

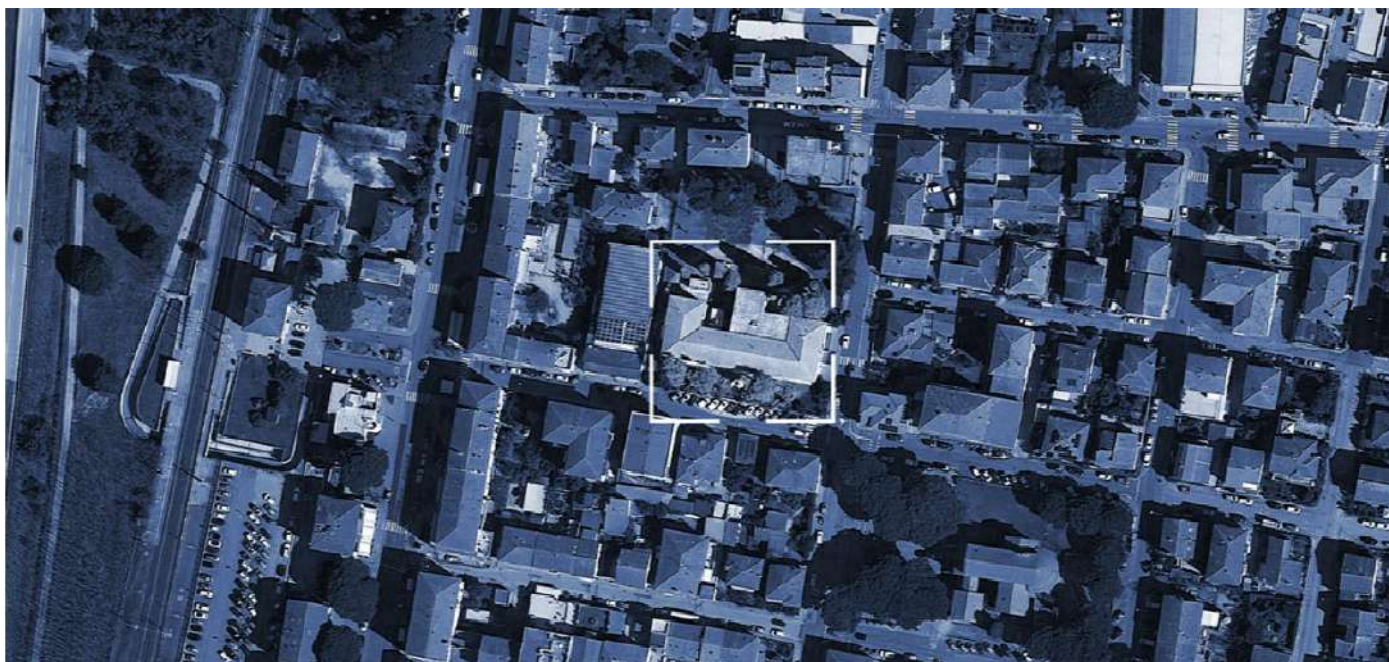


Comune di
Castagneto Carducci

Comune di Castagneto Carducci (LI)

Località Donoratico

Appalto integrato per la Riqualificazione e rifunzionalizzazione
della Scuola Giosuè Borsi da destinarsi a Centro Civico
CIG B1290E03F5 - CUP D13I23000030006



PROGETTO ESECUTIVO

ai sensi dell'art.41 del D.lgs 36/2023

Operatore economico aggiudicatario



EDINFRA Srl

Via Prov. Pisana 566, 57121 – Livorno

Gruppo di progettazione



EPSUS-MUSA Srl

Coord. progettazione e prog. architettonica
Via Masaccio 18, 50136 – Firenze

Arch. **Luigi Pingitore** (prog. architettonica e coordinamento prestazioni specialistiche) con:
Arch. **Valerio D'Andrea** (elaborazione BIM);
Arch. **Giovanni Gubitosa** (supporto alla prog. architettonica)



FABRICA PROGETTI Srl

Progettazione strutturale
Via Giorgio Pasquali 14, 50132 – Firenze

Ing. **Emiliano Colonna** (prog. e calcoli strutturali) con:
Ing. **Carlo Petio** (collab. prog. e calcoli strutturali);
Arch. **Andrea Celli** (elaborazione BIM)



Studio Ing. NICOLA GRANIGLIA

Progettazione ambientale e impiantistica

Via del Palazzo Bruciato 11, 50134 – Firenze

Ing. **Nicola Graniglia** (prog. impianti climatizzazione I/E) con:
Per. Ind. **Marco Rocchi** (prog. impianti elettrici e speciali);
Per. Ind. **Marco Anzidei** (collab. prog. impianti elettrici e speciali);
Ing. **Andrea Sorbi** (prog. impianti idricosanitari)

Studio Ing. PIETRO CATENI

Progettazione antincendio
Piazza Savonarola 11, 50132 – Firenze

Ing. **Pietro Cateni** (prog. antincendio)

Elaborato

FASCICOLO DEI CALCOLI TELAIO MET.

File **CCD-000-E01-PE-STR-REL-SP-006-000**

STR 006

Scala

Data

13/01/2025

N° Rev.	Data Emissione	Redazione	Descrizione
00	13/01/2025	CP - EC	EMISSIONE

13 gennaio 2025

VERIFICHE AGLI STATI LIMITE ULTIMI	8
VERIFICHE AGLI STATI LIMITE DI ESERCIZIO	8
NORMATIVA DI RIFERIMENTO	9
CARATTERISTICHE MATERIALI UTILIZZATI	13
LEGENDA TABELLA DATI MATERIALI	13
MODELLAZIONE DELLE SEZIONI	18
LEGENDA TABELLA DATI SEZIONI	18
MODELLAZIONE STRUTTURA: NODI	21
LEGENDA TABELLA DATI NODI	21
TABELLA DATI NODI	21
MODELLAZIONE STRUTTURA: ELEMENTI TRAVE	23
TABELLA DATI TRAVI	23
MODELLAZIONE DELLA STRUTTURA: ELEMENTI SOLAIO-PANNELLO	28
LEGENDA TABELLA DATI SOLAI-PANNELLI	28
MODELLAZIONE DELLE AZIONI	32
LEGENDA TABELLA DATI AZIONI	32
SCHEMATIZZAZIONE DEI CASI DI CARICO	35
LEGENDA TABELLA CASI DI CARICO	35
DEFINIZIONE DELLE COMBINAZIONI	45
LEGENDA TABELLA COMBINAZIONI DI CARICO	45
AZIONE SISMICA	51
VALUTAZIONE DELL' AZIONE SISMICA	51
Parametri della struttura	51
RISULTATI ANALISI SISMICHE	57
LEGENDA TABELLA ANALISI SISMICHE	57
RISULTATI NODALI	76
LEGENDA RISULTATI NODALI	76
RISULTATI ELEMENTI TIPO TRAVE	105
LEGENDA RISULTATI ELEMENTI TIPO TRAVE	105
VERIFICHE PER ELEMENTI IN ACCIAIO	287
LEGENDA TABELLA VERIFICHE PER ELEMENTI IN ACCIAIO	287
STATI LIMITE D' ESERCIZIO ACCIAIO	295
LEGENDA TABELLA STATI LIMITE D' ESERCIZIO ACCIAIO	295

RELAZIONE DI CALCOLO STRUTTURALE

PREMESSA

La presente relazione di calcolo strutturale, in conformità al §10.1 del DM 17/01/18, è comprensiva di una descrizione generale dell'opera e dei criteri generali di analisi e verifica. Segue inoltre le indicazioni fornite al §10.2 del DM stesso per quanto concerne analisi e verifiche svolte con l'ausilio di codici di calcolo.

Nella presente parte sono riportati i principali elementi di inquadramento del progetto esecutivo riguardante le strutture, in relazione agli strumenti urbanistici, al progetto architettonico, al progetto delle componenti tecnologiche in generale ed alle prestazioni attese dalla struttura.

DESCRIZIONE GENERALE DELL'OPERA

Descrizione generale dell'opera	
Fabbricato ad uso	Scala
Ubicazione	Comune di CASTAGNETO CARDUCCI (LI) (Regione TOSCANA)
	Località CASTAGNETO CARDUCCI (LI)
	Longitudine 10.611, Latitudine 43.160
Numero di piani	Fuori terra 2
	Interrati 0
	le dimensioni dell'opera in pianta sono racchiuse in un rettangolo di 11.72×6.81 m
Numero vani scale	1
Numero vani ascensore	1
Tipo di fondazione	Superficiale

Principali caratteristiche della struttura	
Struttura regolare in pianta	si
Struttura regolare in altezza	si
Classe di duttilità	ND
Travi: ricalate o in spessore	SI
Pilastrì	SI
Pilastrì in falso	NO
Tipo di fondazione	superficiale
Condizioni per cui è necessario considerare la componente verticale del sisma	NO

Parametri della struttura			
Classe d'uso	Vita Vn [anni]	Coeff. Uso	Periodo Vr [anni]
III	50.0	1.5	75.0

Fattore di struttura/comportamento

1.5 ND

QUADRO NORMATIVO DI RIFERIMENTO ADOTTATO

Le norme ed i documenti assunti quale riferimento per la progettazione strutturale vengono indicati di seguito.

Nel capitolo "normativa di riferimento" è comunque presente l'elenco completo delle normative disponibili.

Progetto-verifica degli elementi

Progetto acciaio	D.M. 17-01-2018

Azione sismica

Norma applicata per l' azione sismica	D.M. 17-01-2018

AZIONI DI PROGETTO SULLA COSTRUZIONE

Nei capitoli "modellazione delle azioni" e "schematizzazione dei casi di carico" sono indicate le azioni sulla costruzioni.

Nel prosieguo si indicano tipo di analisi strutturale condotta (statico,dinamico, lineare o non lineare) e il metodo adottato per la risoluzione del problema strutturale nonché le metodologie seguite per la verifica o per il progetto-verifica delle sezioni. Si riportano le combinazioni di carico adottate e, nel caso di calcoli non lineari, i percorsi di carico seguiti; le configurazioni studiate per la struttura in esame *sono risultate effettivamente esaustive per la progettazione-verifica.*

La verifica della sicurezza degli elementi strutturali avviene con i metodi della scienza delle costruzioni. L'analisi strutturale è condotta con il metodo degli spostamenti per la valutazione dello stato tensodeformativo indotto da carichi statici. L'analisi strutturale è condotta con il metodo dell'analisi modale e dello spettro di risposta in termini di accelerazione per la valutazione dello stato tensodeformativo indotto da carichi dinamici (tra cui quelli di tipo sismico).

L'analisi strutturale viene effettuata con il metodo degli elementi finiti. Il metodo sopraindicato si basa sulla schematizzazione della struttura in elementi connessi solo in corrispondenza di un numero prefissato di punti denominati nodi. I nodi sono definiti dalle tre coordinate cartesiane in un sistema di riferimento globale. Le incognite del problema (nell'ambito del metodo degli spostamenti) sono le componenti di spostamento dei nodi riferite al sistema di riferimento globale (traslazioni secondo X, Y, Z, rotazioni attorno X, Y, Z). La soluzione del problema si ottiene con un sistema di equazioni algebriche lineari i cui termini noti sono costituiti dai carichi agenti sulla struttura opportunamente concentrati ai nodi:

$\mathbf{K} * \mathbf{u} = \mathbf{F}$ dove $\mathbf{K}$ = matrice di rigidezza

$\mathbf{u}$ = vettore spostamenti nodali

$\mathbf{F}$ = vettore forze nodali

Dagli spostamenti ottenuti con la risoluzione del sistema vengono quindi dedotte le sollecitazioni e/o le tensioni di ogni elemento, riferite generalmente ad una terna locale all'elemento stesso.

Il sistema di riferimento utilizzato è costituito da una terna cartesiana destrorsa XYZ. Si assume l'asse Z verticale ed orientato verso l'alto.

Gli elementi utilizzati per la modellazione dello schema statico della struttura sono i seguenti:

Elemento tipo TRUSS	(biella-D2)
Elemento tipo BEAM	(trave-D2)
Elemento tipo MEMBRANE	(membrana-D3)
Elemento tipo PLATE	(piastra-guscio-D3)
Elemento tipo BOUNDARY	(molla)
Elemento tipo STIFFNESS	(matrice di rigidezza)

Elemento tipo **BRICK**

(elemento solido)

Elemento tipo **SOLAIO**

(macro elemento composto da più membrane)

MODELLO NUMERICO

In questa parte viene descritto il modello numerico utilizzato (o i modelli numerici utilizzati) per l'analisi della struttura. La presentazione delle informazioni deve essere, coerentemente con le prescrizioni del paragrafo 10.2 e relativi sottoparagrafi delle NTC-18, tale da garantirne la leggibilità, la corretta interpretazione e la riproducibilità

Tipo di analisi strutturale	
Sismica statica lineare	NO
Sismica dinamica lineare	SI
Sismica statica non lineare (prop. masse)	NO
Sismica statica non lineare (prop. modo)	NO
Sismica statica non lineare (triangolare)	NO
Non linearità geometriche (fattore P delta)	NO
Analisi lineare	SI

Di seguito si indicano l'origine e le caratteristiche dei codici di calcolo utilizzati riportando titolo, produttore e distributore, versione, estremi della licenza d'uso:

Informazioni sul codice di calcolo	
Titolo:	PRO_SAP PROfessional Structural Analysis Program
Versione:	PROFESSIONAL (build 2024-06-200)
Produttore-Distributore:	2S.I. Software e Servizi per l'Ingegneria s.r.l., Ferrara
Dati utente finale:	Fabrica Progetto
Codice Licenza:	Licenza dsi6240

Un attento esame preliminare della documentazione a corredo del software **ha consentito di valutarne l'affidabilità e soprattutto l'idoneità al caso specifico**. La documentazione, fornita dal produttore e distributore del software, contiene una esauriente descrizione delle basi teoriche e degli algoritmi impiegati, l'individuazione dei campi d'impiego, nonché casi prova interamente risolti e commentati, corredati dei file di input necessari a riprodurre l'elaborazione:

Affidabilità dei codici utilizzati
2S.I. ha verificato l'affidabilità e la robustezza del codice di calcolo attraverso un numero significativo di casi prova in cui i risultati dell'analisi numerica sono stati confrontati con soluzioni teoriche. E' possibile reperire la documentazione contenente alcuni dei più significativi casi trattati al seguente link: https://www.2si.it/it/prodotti/affidabilita/

Modellazione della geometria e proprietà meccaniche:	
nodi	101
elementi D2 (per aste, travi, pilastri...)	183
elementi D3 (per pareti, platee, gusci...)	0
elementi solaio	32
elementi solidi	0
Dimensione del modello strutturale [cm]:	
X min =	0.00
Xmax =	660.00
Ymin =	0.00
Ymax =	1085.00
Zmin =	0.00
Zmax =	860.00
Strutture verticali:	
Elementi di tipo asta	NO
Pilastri	SI
Pareti	NO
Setti (a comportamento membranale)	NO
Strutture non verticali:	
Elementi di tipo asta	SI
Travi	SI
Gusci	NO
Membrane	NO
Orizzontamenti:	
Solai con la proprietà piano rigido	SI
Solai senza la proprietà piano rigido	SI
Tipo di vincoli:	
Nodi vincolati rigidamente	SI
Nodi vincolati elasticamente	NO
Nodi con isolatori sismici	NO
Fondazioni puntuali (plinti/plinti su palo)	NO
Fondazioni di tipo trave	NO
Fondazioni di tipo platea	NO
Fondazioni con elementi solidi	NO

MODELLAZIONE DELLE AZIONI

Si veda il capitolo **“Schematizzazione dei casi di carico”** per le informazioni necessarie alla comprensione ed alla ricostruzione delle azioni applicate al modello numerico, coerentemente con quanto indicato nella parte *“2.6. Azioni di progetto sulla costruzione”*.

COMBINAZIONI E/O PERCORSI DI CARICO

Si veda il capitolo **“Definizione delle combinazioni”** in cui sono indicate le combinazioni di carico adottate e, nel caso di calcoli non lineari, i percorsi di carico seguiti.

Combinazioni dei casi di carico	
APPROCCIO PROGETTUALE	Approccio 2
SLU	SI
SLV (SLU con sisma)	SI
SLC	NO
SLD	SI
SLO	NO
SLU GEO A2 (per approccio 1)	NO
SLU EQU	NO
Combinazione caratteristica (rara)	SI
Combinazione frequente	SI
Combinazione quasi permanente (SLE)	SI
SLA (accidentale quale incendio)	NO

Principali risultati
I risultati devono costituire una sintesi completa ed efficace, presentata in modo da riassumere il comportamento della struttura, per ogni tipo di analisi svolta. Nella presente relazione di calcolo sono riportati i seguenti risultati che il progettista ritiene di interesse per la descrizione e la comprensione del/i modello/i e del comportamento della struttura: per l'analisi modale: • periodi dei modi di vibrare della struttura • masse eccitate dai singoli modi • massa eccitata totale deformate e sollecitazioni: • spostamenti e rotazioni dei singoli nodi della struttura • reazioni vincolari (nel caso siano presenti nodi vincolati rigidamente) • pressioni sul terreno (nel caso siano presenti elementi di fondazione) • sollecitazioni sugli elementi d2 nelle combinazioni di calcolo più significative • tensioni sugli elementi d3 nelle combinazioni di calcolo più significative • sollecitazioni sui macroelementi da elementi d3 nelle combinazioni di calcolo più significative

La presente relazione, oltre ad illustrare in modo esaustivo i dati in ingresso ed i risultati delle analisi in forma tabellare, riporta una serie di immagini:

per i dati in ingresso:

- modello solido della struttura
- numerazione di nodi e ed elementi
- configurazioni di carico statiche
- configurazioni di carico sismiche con baricentri delle masse e eccentricità

per le combinazioni più significative (statisticamente più gravose per la struttura):

- configurazioni deformate
- diagrammi e involucri delle azioni interne
- mappe delle tensioni
- reazioni vincolari
- mappe delle pressioni sul terreno

per il progetto-verifica degli elementi:

- diagrammi di armatura
- percentuali di sfruttamento
- mappe delle verifiche più significative per i vari stati limite

Informazioni generali sull'elaborazione e giudizio motivato di accettabilità dei risultati.

Il programma prevede una serie di controlli automatici (check) che consentono l'individuazione di errori di modellazione. Al termine dell'analisi un controllo automatico identifica la presenza di spostamenti o rotazioni abnormi. Si può pertanto asserire che l'elaborazione sia corretta e completa. I risultati delle elaborazioni sono stati sottoposti a controlli che ne comprovano l'attendibilità. Tale valutazione ha compreso il confronto con i risultati di semplici calcoli, eseguiti con metodi tradizionali e adottati, anche in fase di primo proporzionamento della struttura. Inoltre, sulla base di considerazioni riguardanti gli stati tensionali e deformativi determinati, si è valutata la validità delle scelte operate in sede di schematizzazione e di modellazione della struttura e delle azioni. Si allega al termine della presente relazione elenco sintetico dei controlli svolti (verifiche di equilibrio tra reazioni vincolari e carichi applicati, comparazioni tra i risultati delle analisi e quelli di valutazioni semplificate, etc.) .

VERIFICHE AGLI STATI LIMITE ULTIMI

Nel capitolo relativo alla progettazione degli elementi strutturali agli SLU vengono indicate, con riferimento alla normativa adottata, le modalità ed i criteri seguiti per valutare la sicurezza della struttura nei confronti delle possibili situazioni di crisi ed i risultati delle valutazioni svolte. In via generale, oltre alle verifiche di resistenza e di spostamento, devono essere prese in considerazione verifiche nei confronti dei fenomeni di instabilità, locale e globale, di fatica, di duttilità, di degrado.

VERIFICHE AGLI STATI LIMITE DI ESERCIZIO

Nel capitolo relativo alla progettazione degli elementi strutturali agli SLE vengono indicate, con riferimento alla normativa adottata, le modalità seguite per valutare l'affidabilità della struttura nei confronti delle possibili situazioni di perdita di funzionalità (per eccessive deformazioni, fessurazioni, vibrazioni, etc.) ed i risultati delle valutazioni svolte.

NORMATIVA DI RIFERIMENTO

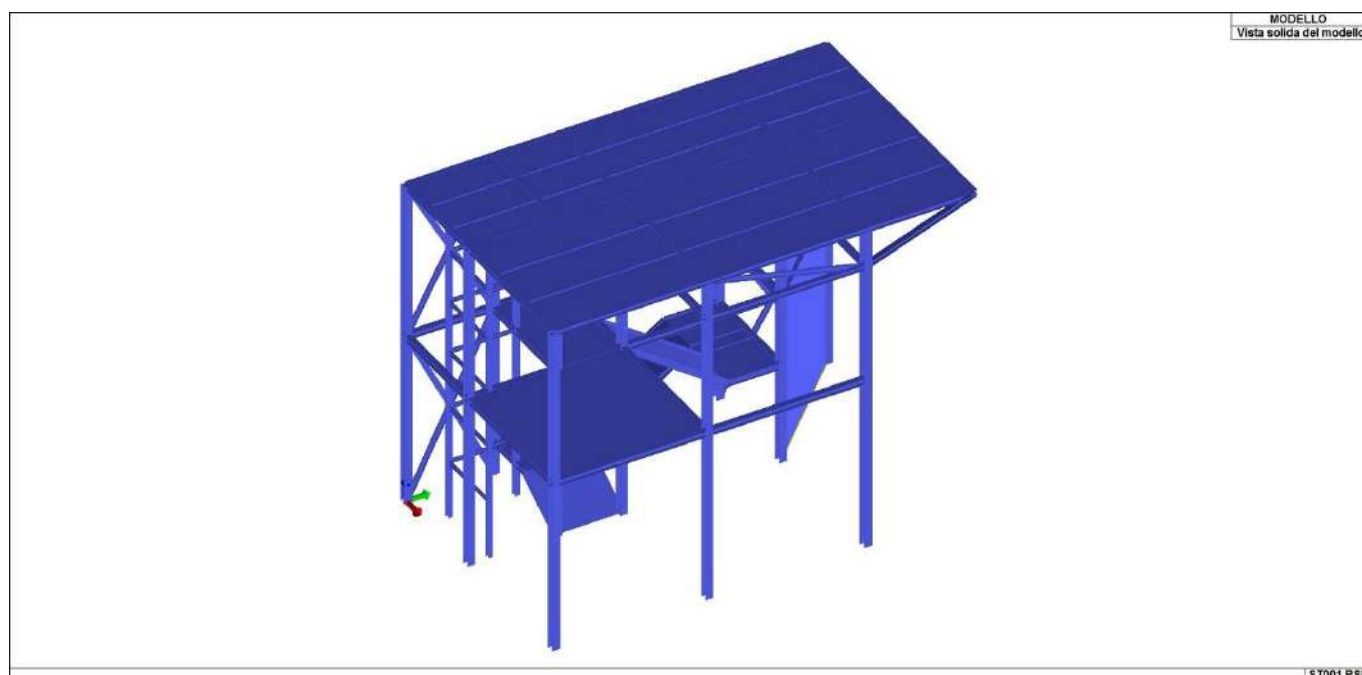
1. D.Min. Infrastrutture Min. Interni e Prot. Civile 17 Gennaio 2018 e allegate "Norme tecniche per le costruzioni".
2. Circolare 21/01/19, n. 7 C.S.LL.PP. "Istruzioni per l'applicazione dell'aggiornamento delle Norme Tecniche delle Costruzioni di cui al decreto ministeriale 17 gennaio 2018"
3. D.Min. Infrastrutture e trasporti 14 Settembre 2005 e allegate "Norme tecniche per le costruzioni".
4. D.M. LL.PP. 9 Gennaio 1996 "Norme tecniche per il calcolo, l'esecuzione ed il collaudo delle strutture in cemento armato, normale e precompresso e per le strutture metalliche".
5. D.M. LL.PP. 16 Gennaio 1996 "Norme tecniche relative ai <<Criteri generali per la verifica di sicurezza delle costruzioni e dei carichi e sovraccarichi>>".
6. D.M. LL.PP. 16 Gennaio 1996 "Norme tecniche per le costruzioni in zone sismiche".
7. Circolare 4/07/96, n.156AA.GG./STC. istruzioni per l'applicazione delle "Norme tecniche relative ai <<Criteri generali per la verifica di sicurezza delle costruzioni e dei carichi e sovraccarichi>>" di cui al D.M. 16/01/96.
8. Circolare 10/04/97, n.65AA.GG. istruzioni per l'applicazione delle "Norme tecniche per le costruzioni in zone sismiche" di cui al D.M. 16/01/96.
9. D.M. LL.PP. 20 Novembre 1987 "Norme tecniche per la progettazione, esecuzione e collaudo degli edifici in muratura e per il loro consolidamento".
10. Circolare 4 Gennaio 1989 n. 30787 "Istruzioni in merito alle norme tecniche per la progettazione, esecuzione e collaudo degli edifici in muratura e per il loro consolidamento".
11. D.M. LL.PP. 11 Marzo 1988 "Norme tecniche riguardanti le indagini sui terreni e sulle rocce, la stabilità dei pendii naturali e delle scarpate, i criteri generali e le prescrizioni per la progettazione, l'esecuzione e il collaudo delle opere di sostegno delle terre e delle opere di fondazione".
12. D.M. LL.PP. 3 Dicembre 1987 "Norme tecniche per la progettazione, esecuzione e collaudo delle costruzioni prefabbricate".
13. UNI 9502 - Procedimento analitico per valutare la resistenza al fuoco degli elementi costruttivi di conglomerato cementizio armato, normale e precompresso - edizione maggio 2001
14. Ordinanza del Presidente del Consiglio dei Ministri n. 3274 del 20 marzo 2003 "Primi elementi in materia di criteri generali per la classificazione sismica del territorio nazionale e di normative tecniche per le costruzioni in zona sismica" e successive modificazioni e integrazioni.
15. UNI EN 1990:2006 13/04/2006 Eurocodice 0 - Criteri generali di progettazione strutturale.
16. UNI EN 1991-1-1:2004 01/08/2004 Eurocodice 1 - Azioni sulle strutture - Parte 1-1: Azioni in generale - Pesi per unità di volume, pesi propri e sovraccarichi per gli edifici.
17. UNI EN 1991-2:2005 01/03/2005 Eurocodice 1 - Azioni sulle strutture - Parte 2: Carichi da traffico sui ponti.
18. UNI EN 1991-1-3:2004 01/10/2004 Eurocodice 1 - Azioni sulle strutture - Parte 1-3: Azioni in generale - Carichi da neve.
19. UNI EN 1991-1-4:2005 01/07/2005 Eurocodice 1 - Azioni sulle strutture - Parte 1-4: Azioni in generale - Azioni del vento.
20. UNI EN 1991-1-5:2004 01/10/2004 Eurocodice 1 - Azioni sulle strutture - Parte 1-5: Azioni in generale - Azioni termiche.
21. UNI EN 1992-1-1:2005 24/11/2005 Eurocodice 2 - Progettazione delle strutture di calcestruzzo - Parte 1-1: Regole generali e regole per gli edifici.
22. UNI EN 1992-1-2:2005 01/04/2005 Eurocodice 2 - Progettazione delle strutture di calcestruzzo - Parte 1-2: Regole generali - Progettazione strutturale contro l'incendio.
23. UNI EN 1993-1-1:2005 01/08/2005 Eurocodice 3 - Progettazione delle strutture di acciaio - Parte 1-1: Regole generali e regole per gli edifici.
24. UNI EN 1993-1-8:2005 01/08/2005 Eurocodice 3 - Progettazione delle strutture di acciaio - Parte 1-8: Progettazione dei collegamenti.
25. UNI EN 1994-1-1:2005 01/03/2005 Eurocodice 4 - Progettazione delle strutture composte acciaio-calcestruzzo - Parte 1-1: Regole generali e regole per gli edifici.
26. UNI EN 1994-2:2006 12/01/2006 Eurocodice 4 - Progettazione delle strutture composte acciaio-calcestruzzo - Parte 2: Regole generali e regole per i ponti.
27. UNI EN 1995-1-1:2005 01/02/2005 Eurocodice 5 - Progettazione delle strutture di legno - Parte 1-1: Regole generali - Regole comuni e regole per gli edifici.
28. UNI EN 1995-2:2005 01/01/2005 Eurocodice 5 - Progettazione delle strutture di legno - Parte 2: Ponti.
29. UNI EN 1996-1-1:2006 26/01/2006 Eurocodice 6 - Progettazione delle strutture di muratura - Parte 1-1: Regole generali per strutture di muratura armata e non armata.
30. UNI EN 1996-3:2006 09/03/2006 Eurocodice 6 - Progettazione delle strutture di muratura - Parte 3: Metodi

di calcolo semplificato per strutture di muratura non armata.

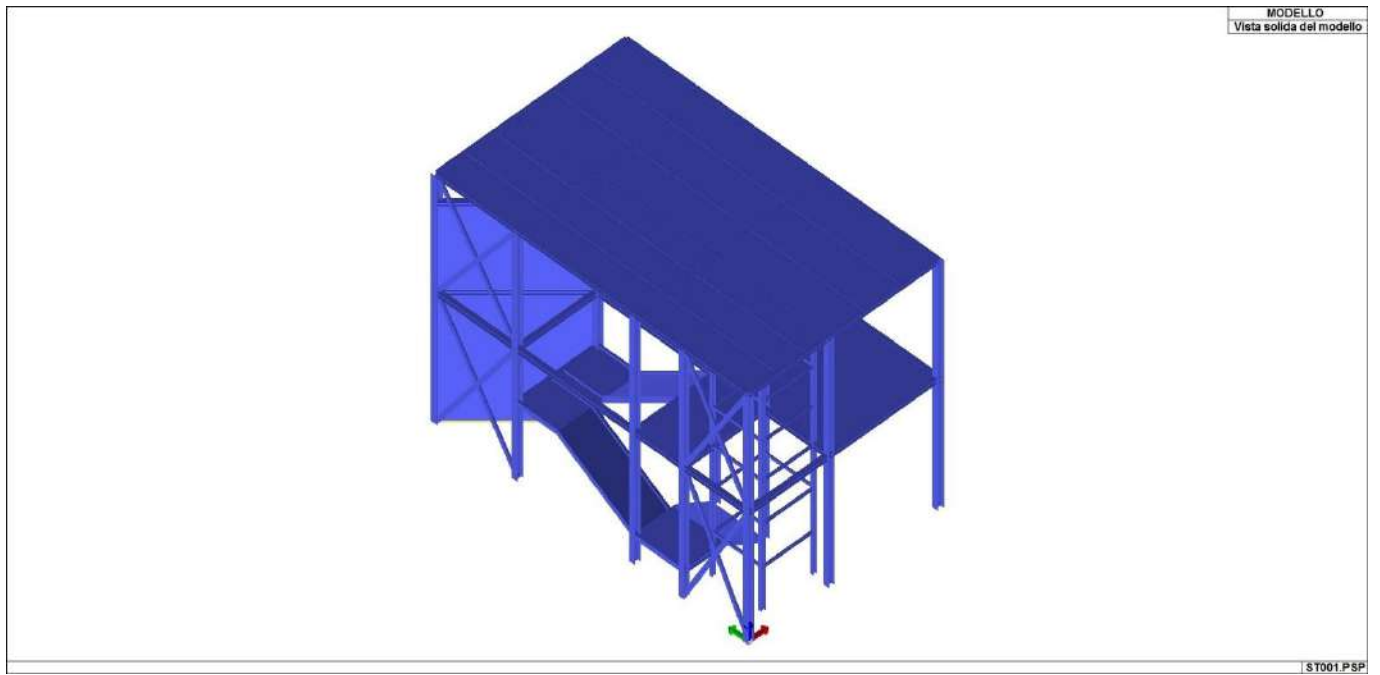
31. UNI EN 1997-1:2005 01/02/2005 Eurocodice 7 - Progettazione geotecnica - Parte 1: Regole generali.
32. UNI EN 1998-1:2005 01/03/2005 Eurocodice 8 - Progettazione delle strutture per la resistenza sismica - Parte 1: Regole generali, azioni sismiche e regole per gli edifici.
33. UNI EN 1998-3:2005 01/08/2005 Eurocodice 8 - Progettazione delle strutture per la resistenza sismica - Parte 3: Valutazione e adeguamento degli edifici.
34. UNI EN 1998-5:2005 01/01/2005 Eurocodice 8 - Progettazione delle strutture per la resistenza sismica - Parte 5: Fondazioni, strutture di contenimento ed aspetti geotecnici.
35. CNR DT-200/2013 - Istruzioni per la Progettazione, l'Esecuzione ed il Controllo di Interventi di Consolidamento Statico mediante l'utilizzo di Compositi Fibrorinforzati
36. CNR DT-215/2018 - Istruzioni per la Progettazione, l'Esecuzione ed il Controllo di Interventi di Consolidamento Statico mediante l'utilizzo di Compositi Fibrorinforzati a Matrice Inorganica

NOTA: il presente capitolo riporta l'elenco delle normative implementate nel software. Le norme utilizzate per la struttura oggetto della presente relazione sono indicate nel precedente capitolo "RELAZIONE DI CALCOLO STRUTTURALE" "ANALISI E VERIFICHE SVOLTE CON L'AUSILIO DI CODICI DI CALCOLO".

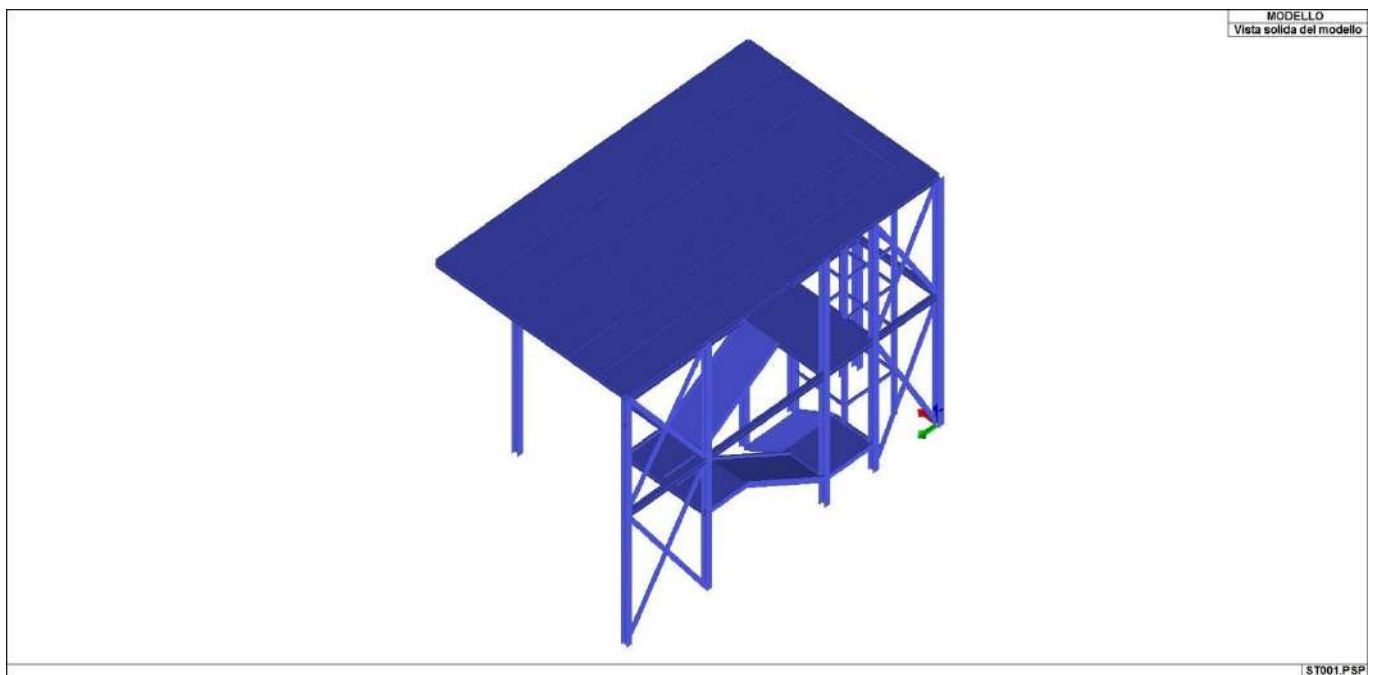
Laddove nei capitoli successivi vengano richiamate normative antecedenti al DM 17.01.18 è dovuto alla progettazione simulata di edificio esistente.



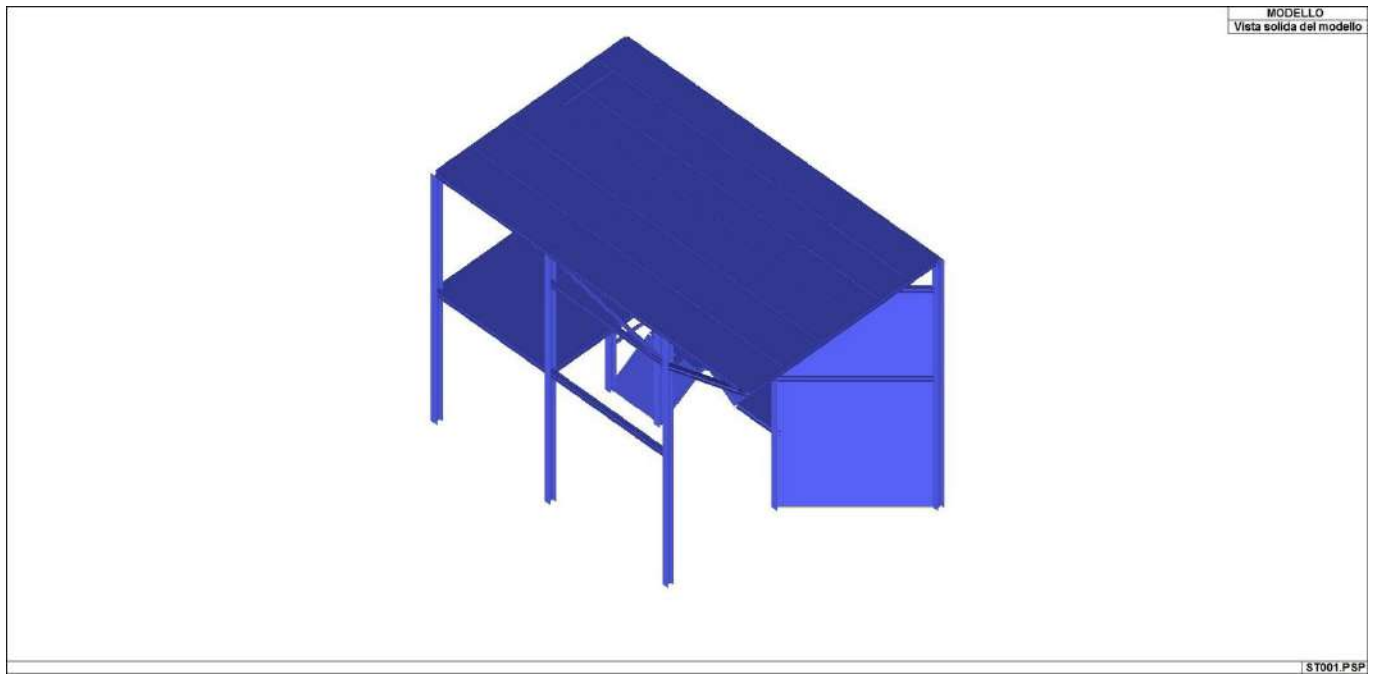
01_INT_VISTA_SOLIDA_001



01_INT_VISTA_SOLIDA_002



01_INT_VISTA_SOLIDA_003



01_INT_VISTA_SOLIDA_004

CARATTERISTICHE MATERIALI UTILIZZATI

LEGENDA TABELLA DATI MATERIALI

Il programma consente l'uso di materiali diversi. Sono previsti i seguenti tipi di materiale:

1	materiale tipo cemento armato
2	materiale tipo acciaio
3	materiale tipo muratura
4	materiale tipo legno
5	materiale tipo generico

I materiali utilizzati nella modellazione sono individuati da una sigla identificativa ed un codice numerico (gli elementi strutturali richiamano quest'ultimo nella propria descrizione). Per ogni materiale vengono riportati in tabella i seguenti dati:

Young	modulo di elasticità normale E
Poisson	coefficiente di contrazione trasversale ν
G	modulo di elasticità tangenziale
Gamma	peso specifico
Alfa	coefficiente di dilatazione termica
Fattore di confidenza FC m	Fattore di confidenza specifico per materiale; (è riportato solo se diverso da quello globale della struttura)
Fattore di confidenza FC a	Fattore di confidenza specifico per l'armatura (è riportato solo se diverso da quello globale della struttura)
Elasto-plastico	Materiale elastico perfettamente plastico per aste non lineari
Massima compressione	Massima tensione di compressione per aste non lineari
Massima trazione	Massima tensione di trazione per aste non lineari
Fattore attrito	Coefficiente di attrito per aste non lineari
Rapporto HRDb	Rapporto di hardening a flessione
Rapporto HRDv	Rapporto di hardening a taglio

I dati soprariportati vengono utilizzati per la modellazione dello schema statico e per la determinazione dei carichi inerziali e termici. In relazione al tipo di materiale vengono riportati inoltre:

1	c.a.	Resistenza Rc Resistenza fctm Coefficiente ksb	resistenza a compressione cubica resistenza media a trazione semplice Coefficiente di riduzione della resistenza a compressione da utilizzare nello stress block
2	acciaio	Tensione ft Tensione fy Resistenza fd Resistenza fd (>40) Tensione ammissibile Tensione ammissibile(>40)	Valore della tensione di rottura Valore della tensione di snervamento Resistenza di calcolo per SL CNR-UNI 10011 Resistenza di calcolo per SL CNR-UNI 10011 per spessori > 40mm Tensione ammissibile CNR-UNI 10011 Tensione ammissibile CNR-UNI 10011 per spessori > 40mm
3	muratura		

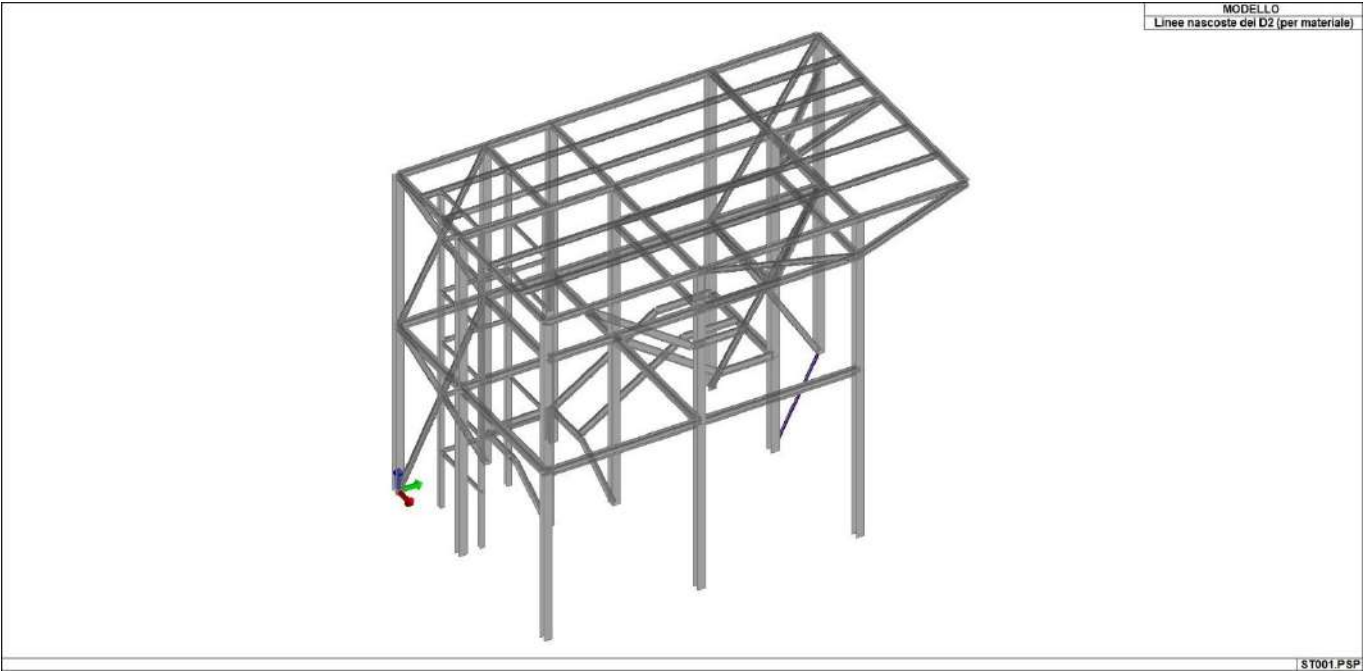
	Muratura consolidata	Muratura per la quale si prevedono interventi di rinforzo"
	Incremento resistenza	Incremento conseguito in termini di resistenza
	Incremento rigidezza	Incremento conseguito in termini di rigidezza
	Resistenza f	Valore della resistenza a compressione
	Resistenza fv0	Valore della resistenza a taglio in assenza di tensioni normali
	Resistenza fh	Valore della resistenza a compressione orizzontale
	Resistenza fb	Valore della resistenza a compressione dei blocchi
	Resistenza fbh	Valore della resistenza a compressione dei blocchi in direzione orizzontale
	Resistenza fv0h	Valore della resistenza a taglio in assenza di tensioni normali per le travi
	Resistenza ft	Valore della resistenza a trazione per fessurazione diagonale
	Resistenza fvim	Valore della massima resistenza a taglio
	Resistenza fbt	Valore della resistenza a trazione dei blocchi
	Coefficiente mu	Coefficiente d'attrito utilizzato per la resistenza a taglio
	Coefficiente fi	Coefficiente d'ingranamento utilizzato per la resistenza a taglio
	Coefficiente ksb	Coefficiente di riduzione della resistenza a compressione da utilizzare nello stress block
4	legno	
	E0,05	Modulo di elasticità corrispondente ad un frattile del 5%
	Resistenza fc0	Valore della resistenza a compressione parallela
	Resistenza ft0	Valore della resistenza a trazione parallela
	Resistenza fm	Valore della resistenza a flessione
	Resistenza fv	Valore della resistenza a taglio
	Resist. ft0k	Resistenza caratteristica (tensione amm. per REGLES) per trazione
	Resist. fmk	Resistenza caratteristica (tensione amm. per REGLES) per flessione
	Resist. fvk	Resistenza caratteristica (tensione amm. per REGLES) per taglio
	Modulo E0,05	Modulo elastico parallelo caratteristico
	Lamellare	lamellare o massiccio

Nel tabulato si riportano sia i valori caratteristici che medi utilizzando gli uni e/o gli altri in relazione alle richieste di normativa ed alla tipologia di verifica. (Cap.7 NTC18 per materiali nuovi, Cap.8 NTC18 e relativa circolare 21/01/2019 per materiali esistenti, Linee Guida Reluis per incamiciatura CAM, CNR-DT 200 per interventi con FRP, CNR-DT 215 per interventi con FRCM)

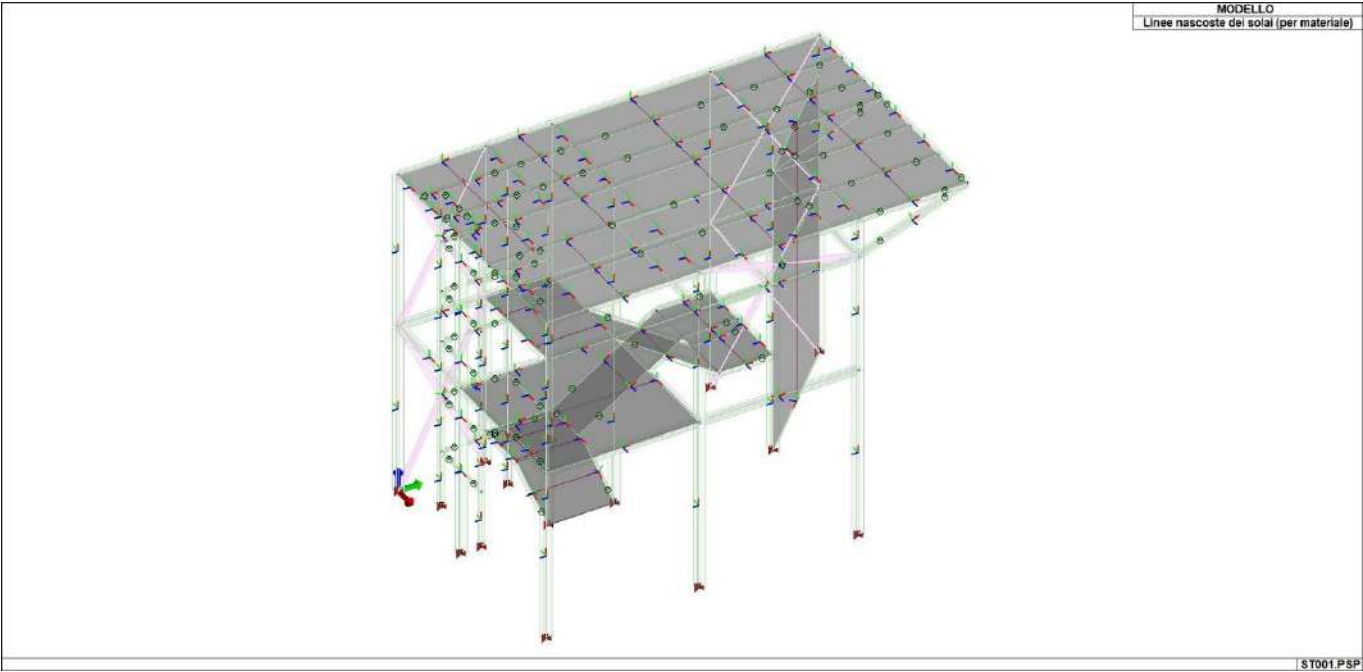
Vengono inoltre riportate le tabelle contenenti il riassunto delle informazioni assegnate nei criteri di progetto in uso.

Id	Tipo / Note	V. caratt.	V. medio	Young	Poisson	G	Gamma	Alfa	Altri
		daN/cm2	daN/cm2	daN/cm2		daN/cm2	daN/cm3		
12	Acciaio Fe430 - S275-acciaio Fe430-S275			2.100e+06	0.30	8.077e+05	7.85e-03	1.20e-05	
	Tensione ft	4300.0							
	Resistenza fd	2750.0							
	Resistenza fd (>40)	2500.0							
	Tensione ammissibile	1900.0							
	Tensione ammissibile (>40)	1700.0							
	Rapporto HRDb								1.00e-05
	Rapporto HRDv								1.00e-05
157	Materiale inf. rigido no peso E = 1.000e+07-materiale E = 1.000e+07			1.000e+07	0.0	5.000e+06	0.0	1.20e-05	
	Rapporto HRDb								1.00e-05
	Rapporto HRDv								1.00e-05
158	S275 - controventi-acciaio Fe430-S275			1.050e+06	0.30	8.077e+05	7.85e-03	1.20e-05	
	Tensione ft	4300.0							
	Resistenza fd	2750.0							
	Resistenza fd (>40)	2500.0							
	Tensione ammissibile	1900.0							
	Tensione ammissibile (>40)	1700.0							
	Rapporto HRDb								1.00e-05

Id	Tipo / Note	V. caratt.	V. medio	Young	Poisson	G	Gamma	Alfa	Altri
	Rapporto HRDv								1.00e-05



11_MOD_MATERIALI_D2



11_MOD_MATERIALI_SOLAI

Aste acc.	1/7/..	2/8/..	3/9/..	4/10/..	5/11/..	6/12/..
Generalità						

Aste acc.	1/7/..	2/8/..	3/9/..	4/10/..	5/11/..	6/12/..
Beta assegnato	0.80					
Verifica come controvento	SI					
Usa condizioni I e II	SI					
Coefficiente gamma M0	1.05					
Coefficiente gamma M1	1.05					
Coefficiente gamma M2	1.25					

Pilastrini acc.	1/7/..	2/8/..	3/9/..	4/10/..	5/11/..	6/12/..
Lunghezze libere						
Metodo di calcolo 2-2	Assegnato					
2-2 Beta assegnato	2.00					
2-2 Beta * L assegnato [cm]	0.0					
Metodo di calcolo 3-3	Assegnato					
3-3 Beta assegnato	2.00					
3-3 Beta * L assegnato [cm]	0.0					
1-1 Beta assegnato	1.00					
1-1 Beta * L assegnato [cm]	0.0					
Generalità						
Coefficiente gamma M0	1.05					
Coefficiente gamma M1	1.05					
Coefficiente gamma M2	1.25					
Effetti del 2 ordine	SI					
Momenti equivalenti	SI					
Usa condizioni I e II	SI					

Travi acc.	1/7/..	2/8/..	3/9/..	4/10/..	5/11/..	6/12/..
Lunghezze libere						
3-3 Beta * L automatico	SI					
3-3 Beta assegnato	1.00					
3-3 Beta assegnato [cm]	0.0					
2-2 Beta * L automatico	SI					
2-2 Beta assegnato	1.00					
2-2 Beta * L assegnato [cm]	0.0					
1-1 Beta * L automatico	SI					
1-1 Beta assegnato	1.00					
1-1 Beta * L assegnato [cm]	0.0					
Generalità						
Coefficiente gamma M0	1.05					
Coefficiente gamma M1	1.05					
Coefficiente gamma M2	1.25					
Luce di taglio per GR [cm]	1.00					
Usa condizioni I e II	SI					
Momenti equivalenti	SI					

Solai e pannelli	1/7/..	2/8/..	3/9/..	4/10/..	5/11/..	6/12/..
Generalità						
Usa tensioni ammissibili	NO					
Af inf: da traliccio	SI					
Consenti armatura a taglio	NO					
Incrementa armatura longitudinale per taglio	SI					
Af inf: da $q \cdot L \cdot L /$	20.00					
Incremento fascia piena [cm]	5.00					
Armatura						
Minima tesa	0.15					
Massima tesa	3.00					
Minima compressa	0.0					
Af/h [cm]	7.000e-02					
Stati limite ultimi						
Tensione fy [daN/cm ²]	4500.00					
Tipo acciaio	tipo C					
Coefficiente gamma s	1.15					
Coefficiente gamma c	1.50					
Fattore di ridistribuzione	0.0					
Tensioni ammissibili						

Solai e pannelli	1/7/..	2/8/..	3/9/..	4/10/..	5/11/..	6/12/..
Tensione amm. cls [daN/cm2]	85.00					
Tensione amm. acciaio [daN/cm2]	2600.00					
Rapporto omogeneizzazione N	15.00					
Massimo rapporto area compressa/tesa	1.00					
Verifica freccia						
Infinita	250.00					
Istantanea	500.00					
Fattore viscosità	3.00					
Usa J non fessurato	NO					
Elementi non strutturali						
Tamponatura antiespulsione	NO					
Tamponatura con armatura	NO					
Fattore di struttura/comportamento	2.00					
Coefficiente gamma m	0.0					
Periodo Ta	0.0					
Altezza pannello	0.0					

MODELLAZIONE DELLE SEZIONI

LEGENDA TABELLA DATI SEZIONI

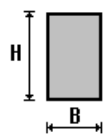
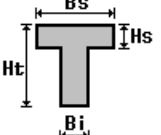
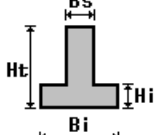
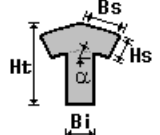
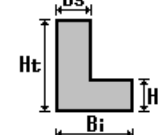
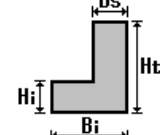
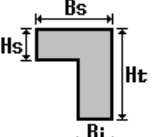
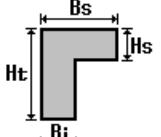
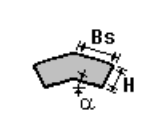
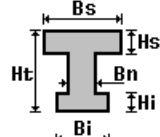
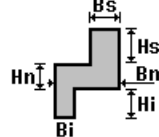
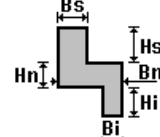
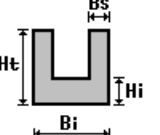
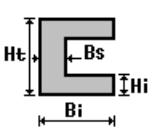
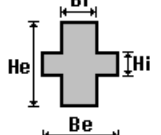
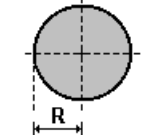
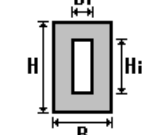
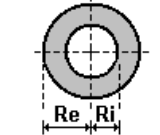
Il programma consente l'uso di sezioni diverse. Sono previsti i seguenti tipi di sezione:

1. sezione di tipo generico
2. profilati semplici
3. profilati accoppiati e speciali

Le sezioni utilizzate nella modellazione sono individuate da una sigla identificativa ed un codice numerico (gli elementi strutturali richiamano quest'ultimo nella propria descrizione). Per ogni sezione vengono riportati in tabella i seguenti dati:

Area	area della sezione
A V2	area della sezione/fattore di taglio (per il taglio in direzione 2)
A V3	area della sezione/fattore di taglio (per il taglio in direzione 3)
Jt	fattore torsionale di rigidezza
J2-2	momento d'inerzia della sezione riferito all'asse 2
J3-3	momento d'inerzia della sezione riferito all'asse 3
W2-2	modulo di resistenza della sezione riferito all'asse 2
W3-3	modulo di resistenza della sezione riferito all'asse 3
Wp2-2	modulo di resistenza plastico della sezione riferito all'asse 2
Wp3-3	modulo di resistenza plastico della sezione riferito all'asse 3

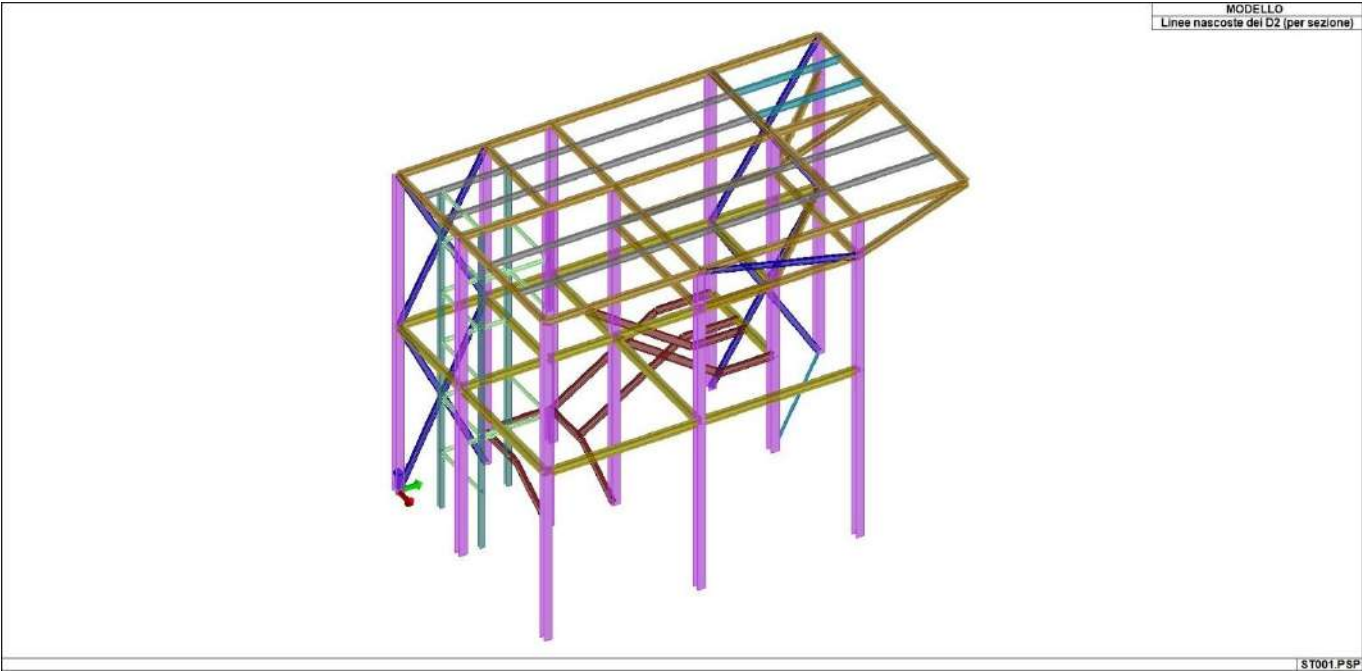
I dati sopra riportati vengono utilizzati per la determinazione dei carichi inerziali e per la definizione delle rigidezze degli elementi strutturali; qualora il valore di Area V2 (e/o Area V3) sia nullo la deformabilità per taglio V2 (e/o V3) è trascurata. La valutazione delle caratteristiche inerziali delle sezioni è condotta nel riferimento 2-3 dell'elemento.

					
rettangolare	a T	a T rovescia	a T di colmo	a L	a L specchiata
					
a L specchiata rovescia	a L rovescia	a L di colmo	a doppio T	a quattro specchiata	a quattro
					
a U	a C	a croce	circolare	rettangolare cava	circolare cava

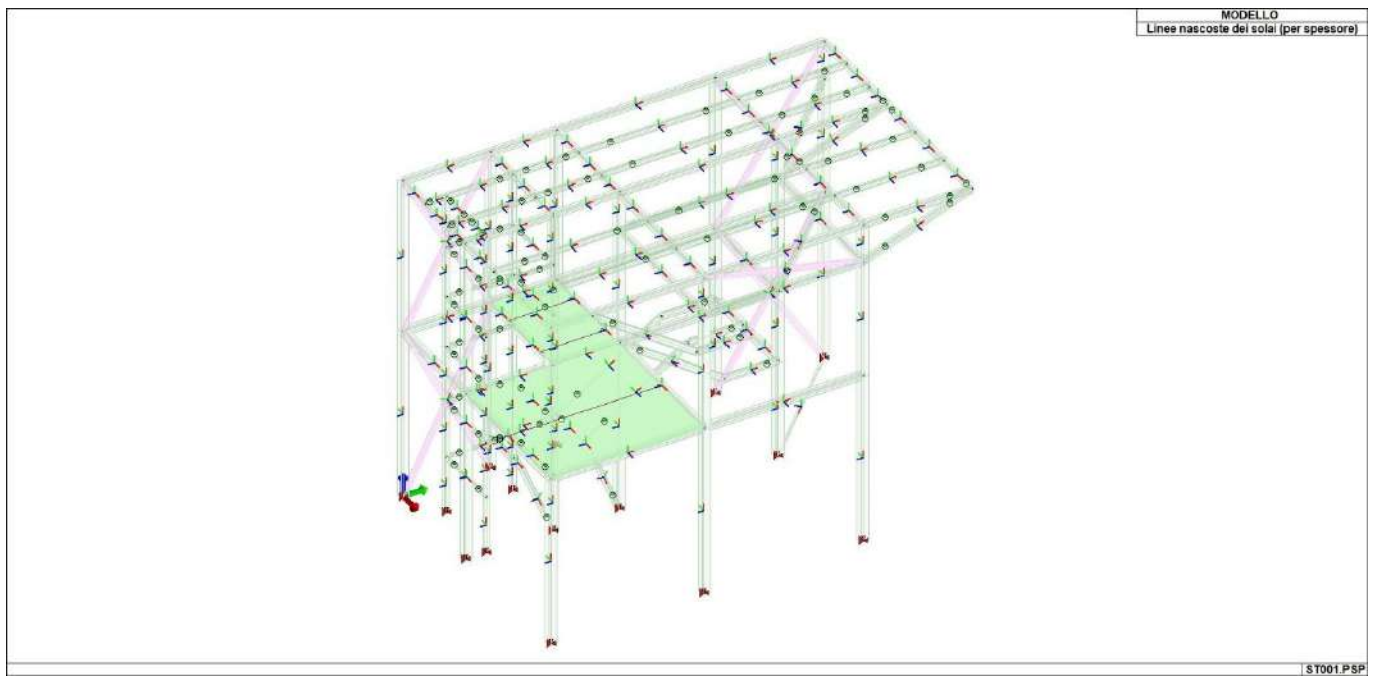
Per quanto concerne i profilati semplici ed accoppiati l'asse 2 del riferimento coincide con l'asse x riportato nei più diffusi profilati.

Per quanto concerne le sezioni di tipo generico (tipo 1.):
i valori dimensionali con prefisso B sono riferiti all'asse 2
i valori dimensionali con prefisso H sono riferiti all'asse 3

Id	Tipo	Area	A V2	A V3	Jt	J 2-2	J 3-3	W 2-2	W 3-3	Wp 2-2	Wp 3-3
		cm2	cm2	cm2	cm4	cm4	cm4	cm3	cm3	cm3	cm3
1	IPE 140	16.40	0.0	0.0	2.40	45.00	541.00	12.30	77.30	19.20	88.30
2	Rettangolare: b=5 h=5	25.00	20.83	20.83	87.85	52.08	52.08	20.83	20.83	31.25	31.25
3	HEB 120	34.00	0.0	0.0	13.80	318.00	864.00	52.90	144.10	81.00	165.20
4	UNP 100	13.50	0.0	0.0	2.81	29.10	205.00	8.40	41.10	16.20	49.00
15	HEB 200	78.10	0.0	0.0	59.30	2003.00	5696.00	200.30	569.60	305.80	642.50
16	UNP 180	28.00	0.0	0.0	9.55	114.00	1354.00	22.40	150.00	42.90	179.00
17	HEA 140	31.40	0.0	0.0	8.10	389.00	1033.00	55.60	155.40	84.80	173.50
18	HEA 160	38.80	0.0	0.0	12.20	616.00	1673.00	76.90	220.10	117.60	245.10
20	IPE 160	20.10	0.0	0.0	3.60	68.00	869.00	16.70	108.70	26.10	123.90
21	UNP 140	20.40	0.0	0.0	5.68	62.50	605.00	14.70	86.40	28.30	103.00



13_MOD_SEZIONI



13_MOD_SPESSORI_D5

MODELLAZIONE STRUTTURA: NODI

LEGENDA TABELLA DATI NODI

Il programma utilizza per la modellazione nodi strutturali.

Ogni nodo è individuato dalle coordinate cartesiane nel sistema di riferimento globale (X Y Z).

Ad ogni nodo è eventualmente associato un codice di vincolamento rigido, un codice di fondazione speciale, ed un set di sei molle (tre per le traslazioni, tre per le rotazioni). Le tabelle sottoriportate riflettono le succitate possibilità. In particolare per ogni nodo viene indicato in tabella:

Nodo	numero del nodo.
X	valore della coordinata X
Y	valore della coordinata Y
Z	valore della coordinata Z

Per i nodi ai quali sia associato un codice di vincolamento rigido, un codice di fondazione speciale o un set di molle viene indicato in tabella:

Nodo	numero del nodo.
X	valore della coordinata X
Y	valore della coordinata Y
Z	valore della coordinata Z
Note	eventuale codice di vincolo (es. v=110010 sei valori relativi ai sei gradi di libertà previsti per il nodo TxTyTzRxRyRz, il valore 1 indica che lo spostamento o rotazione relativo è impedito, il valore 0 indica che lo spostamento o rotazione relativo è libero).
Note	(FS = 1, 2,...) eventuale codice del tipo di fondazione speciale (1, 2,... fanno riferimento alle tipologie: plinto, palo, plinto su pali,...) che è collegato al nodo. (ISO = "id SIGLA") indice e sigla identificativa dell' eventuale isolatore sismico assegnato al nodo
Rig. TX	valore della rigidezza dei vincoli elastici eventualmente applicati al nodo, nello specifico TX (idem per TY, TZ, RX, RY, RZ).

Per strutture sismicamente isolate viene inoltre inserita la tabella delle caratteristiche per gli isolatori utilizzati; le caratteristiche sono indicate in conformità al cap. 7.10 del D.M. 17/01/18

TABELLA DATI NODI

Nodo	X	Y	Z	Nodo	X	Y	Z	Nodo	X	Y	Z
	cm	cm	cm		cm	cm	cm		cm	cm	cm
3	660.0	805.0	860.0	7	100.0	225.0	860.0	9	660.0	805.0	760.0
11	160.0	665.0	259.0	13	280.0	395.0	760.0	15	120.0	805.0	259.0
16	0.0	0.0	450.0	17	280.0	0.0	450.0	18	660.0	0.0	450.0
19	0.0	225.0	450.0	20	280.0	225.0	450.0	21	0.0	395.0	450.0
22	0.0	1085.0	450.0	23	280.0	395.0	450.0	24	660.0	395.0	450.0
25	0.0	805.0	450.0	26	120.0	665.0	259.0	27	280.0	805.0	450.0
28	660.0	395.0	760.0	29	0.0	395.0	86.0	30	140.0	395.0	86.0
31	0.0	225.0	86.0	32	140.0	225.0	86.0	33	0.0	0.0	860.0
34	280.0	0.0	860.0	35	660.0	0.0	860.0	36	0.0	225.0	860.0
37	280.0	225.0	860.0	38	0.0	395.0	860.0	39	0.0	1085.0	860.0
40	280.0	395.0	860.0	41	660.0	395.0	860.0	42	0.0	805.0	860.0
43	660.0	1085.0	860.0	44	280.0	805.0	860.0	46	280.0	1085.0	860.0
47	280.0	805.0	760.0	49	0.0	805.0	259.0	50	160.0	395.0	450.0
51	280.0	805.0	259.0	52	0.0	665.0	259.0	53	160.0	805.0	259.0
54	280.0	665.0	259.0	55	120.0	395.0	86.0	57	660.0	805.0	450.0

58	0.0	1085.0	760.0	59	406.7	0.0	860.0	60	533.3	0.0	860.0
61	406.7	395.0	860.0	62	533.3	395.0	860.0	63	406.7	805.0	860.0
64	533.3	805.0	860.0	65	406.7	1085.0	860.0	66	533.3	1085.0	860.0
67	100.0	0.0	860.0	68	280.0	53.0	723.3	69	100.0	395.0	860.0
70	100.0	805.0	860.0	71	100.0	1085.0	860.0	72	100.0	225.0	86.0
73	100.0	225.0	450.0	75	100.0	53.0	860.0	76	100.0	53.0	450.0
78	280.0	53.0	860.0	79	280.0	53.0	450.0	81	100.0	53.0	150.0
82	100.0	53.0	300.0	83	280.0	53.0	150.0	84	280.0	53.0	300.0
85	100.0	225.0	150.0	86	100.0	225.0	300.0	87	280.0	225.0	150.0
88	280.0	225.0	300.0	89	280.0	225.0	586.7	90	280.0	225.0	723.3
91	100.0	225.0	586.7	92	100.0	225.0	723.3	93	100.0	53.0	586.7
94	100.0	53.0	723.3	95	280.0	53.0	586.7	96	200.0	53.0	860.0
97	200.0	225.0	860.0	98	200.0	0.0	860.0	99	200.0	395.0	860.0
100	200.0	805.0	860.0	101	200.0	1085.0	860.0				

Nodo	X	Y	Z	Note	Rig. TX	Rig. TY	Rig. TZ	Rig. RX	Rig. RY	Rig. RZ
	cm	cm	cm		daN/cm	daN/cm	daN/cm	daN cm/rad	daN cm/rad	daN cm/rad
1	0.0	0.0	0.0	v=111111						
2	280.0	0.0	0.0	v=111111						
4	0.0	225.0	0.0	v=111111						
5	280.0	225.0	0.0	v=111111						
6	0.0	395.0	0.0	v=111111						
8	280.0	395.0	0.0	v=111111						
10	0.0	805.0	0.0	v=111111						
12	280.0	805.0	0.0	v=111111						
14	0.0	1085.0	0.0	v=111111						
45	660.0	0.0	0.0	v=111111						
48	660.0	395.0	0.0	v=111111						
56	660.0	805.0	0.0	v=111111						
74	100.0	225.0	0.0	v=111111						
77	100.0	53.0	0.0	v=111111						
80	280.0	53.0	0.0	v=111111						



14_MOD_NUMERAZIONE_NODI

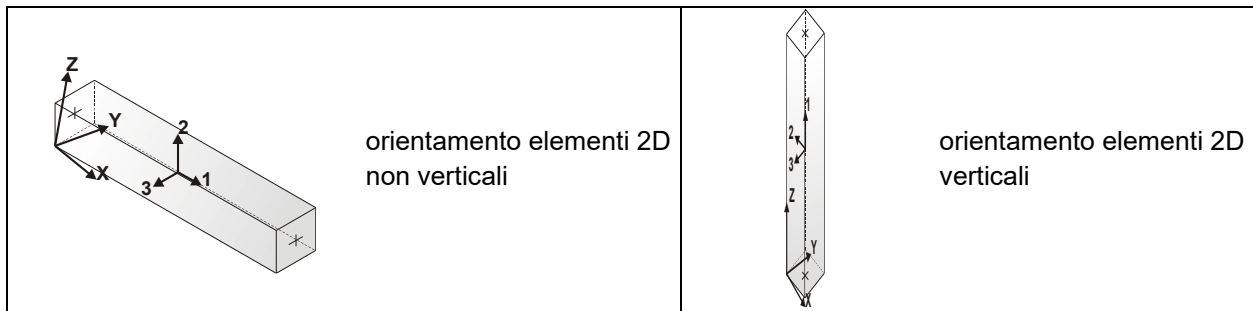
MODELLAZIONE STRUTTURA: ELEMENTI TRAVE

TABELLA DATI TRAVI

Il programma utilizza per la modellazione elementi a due nodi denominati in generale travi.

Ogni elemento trave è individuato dal nodo iniziale e dal nodo finale.

Ogni elemento è caratterizzato da un insieme di proprietà riportate in tabella che ne completano la modellazione.



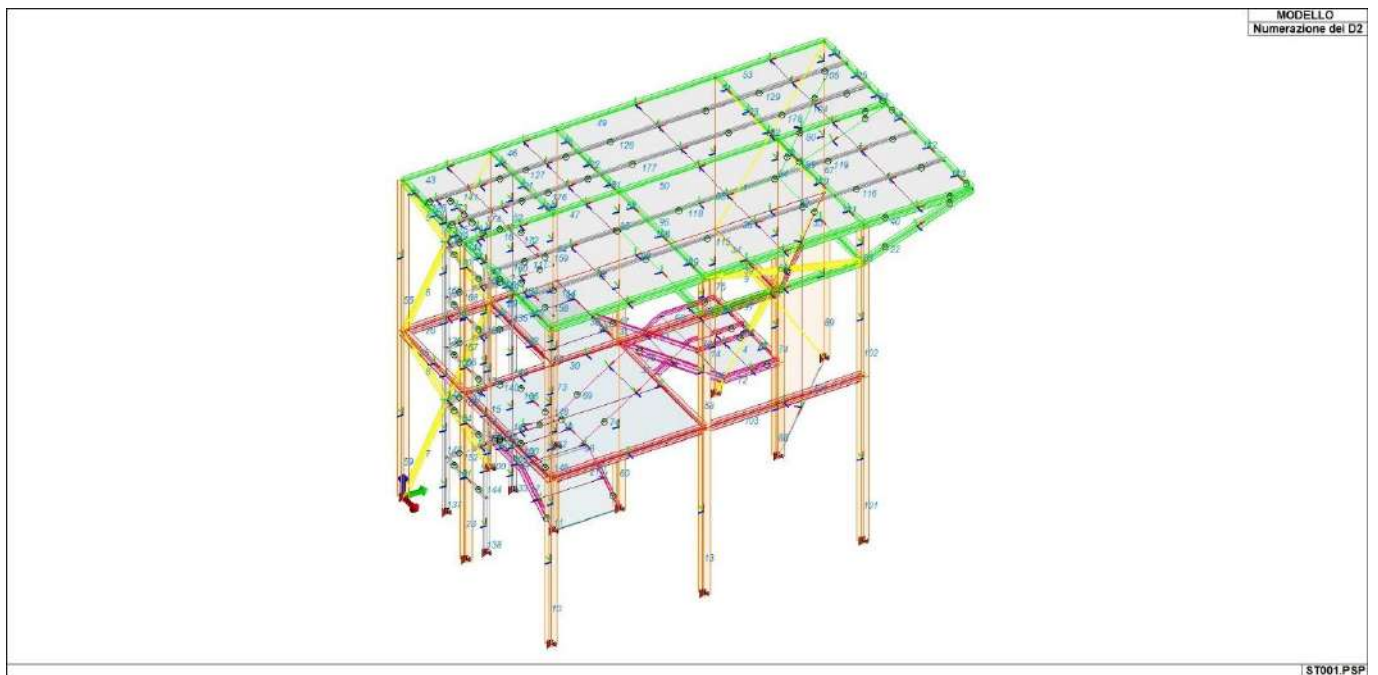
In particolare per ogni elemento viene indicato in tabella:

Elem.	numero dell'elemento
Note	codice di comportamento: trave, trave di fondazione, pilastro, asta, asta tesa, asta compressa,
Nodo I (J)	numero del nodo iniziale (finale)
Mat.	codice del materiale assegnato all'elemento
Sez.	codice della sezione assegnata all'elemento
Rotaz.	valore della rotazione dell'elemento, attorno al proprio asse, nel caso in cui l'orientamento di default non sia adottabile; l'orientamento di default prevede per gli elementi non verticali l'asse 2 contenuto nel piano verticale e l'asse 3 orizzontale, per gli elementi verticali l'asse 2 diretto secondo X negativo e l'asse 3 diretto secondo Y negativo
Svincolo I (J)	codici di svincolo per le azioni interne; i primi sei codici si riferiscono al nodo iniziale, i restanti sei al nodo finale (il valore 1 indica che la relativa azione interna non è attiva)
Wink V	costante di sottofondo (coefficiente di Winkler) per la modellazione della trave su suolo elastico
Wink O	costante di sottofondo (coefficiente di Winkler) per la modellazione del suolo elastico orizzontale

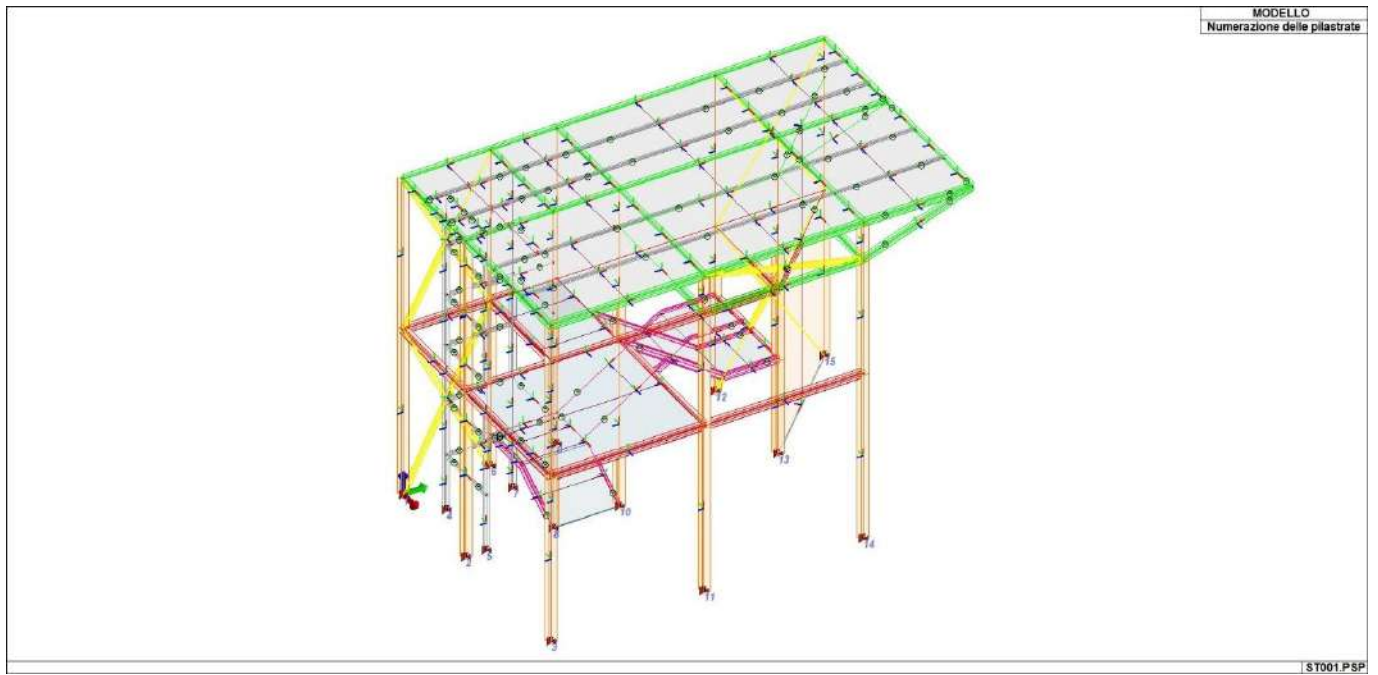
Elem.	Note	Nodo I	Nodo J	Mat.	Sez.	Crit.	Rotaz. gradi	Svincolo I	Svincolo J	Wink V daN/cm3	Wink O daN/cm3
1	Asta	25	39	158	21	1					
2	Asta	42	22	158	21	1					
3	Asta	25	14	158	21	1					
4	Asta	10	22	158	21	1					
5	Asta	33	19	158	21	1					
6	Asta	16	36	158	21	1					
7	Asta	1	19	158	21	1					
8	Asta	16	4	158	21	1					
9	Asta	41	9	158	21	1					
10	Pilas.	45	18	12	15	1					
11	Pilas.	5	87	12	15	1					
12	Pilas.	6	29	12	15	1					
13	Pilas.	48	24	12	15	1					
14	Trave	11	53	12	16	1			000001		
15	Pilas.	31	19	12	15	1					
16	Trave	78	37	12	17	1					
17	Trave	32	5	12	16	1				000001	
18	Trave	31	72	12	16	1		000001			
19	Trave	29	55	12	16	1		000001			
20	Trave	30	8	12	16	1				000001	
21	Trave	18	24	12	18	1					
22	Trave	9	43	12	17	1		000001	000001		
23	Pilas.	2	17	12	15	1					
24	Trave	17	18	12	18	1					
25	Trave	16	17	12	18	1					
26	Trave	16	19	12	18	1					
27	Trave	17	79	12	18	1					
28	Trave	19	73	12	18	1					
29	Trave	19	21	12	18	1					
30	Trave	20	23	12	18	1					
31	Trave	50	11	12	16	1		000001			
32	Trave	21	25	12	18	1					
33	Trave	23	27	12	18	1					
34	Trave	25	27	12	18	1					
35	Trave	22	27	12	17	1		000001	000001		
36	Trave	25	22	12	18	1					
37	Trave	23	24	12	18	1					
38	Trave	35	41	12	17	1					
39	Trave	41	3	12	17	1					
40	Trave	3	43	12	17	1		000001	000001		
41	Trave	34	59	12	17	1					
42	Trave	33	67	12	17	1					
43	Trave	33	36	12	17	1					
44	Trave	34	78	12	17	1					
45	Trave	36	7	12	17	1					
46	Trave	36	38	12	17	1					
47	Trave	37	40	12	17	1					
48	Trave	38	69	12	17	1					
49	Trave	38	42	12	17	1					
50	Trave	40	44	12	17	1					
51	Trave	42	70	12	17	1					
52	Pilas.	92	7	12	3	1					
53	Trave	42	39	12	17	1					
54	Trave	40	61	12	17	1					
55	Pilas.	16	33	12	15	1					
56	Pilas.	17	34	12	15	1					
57	Pilas.	18	35	12	15	1					
58	Pilas.	24	28	12	15	1					
59	Pilas.	1	16	12	15	1					
60	Pilas.	8	23	12	15	1					
61	Pilas.	23	13	12	15	1					
62	Pilas.	20	89	12	15	1					
63	Pilas.	19	36	12	15	1					
64	Pilas.	21	38	12	15	1					
65	Pilas.	25	42	12	15	1					
66	Pilas.	27	47	12	15	1					
67	Pilas.	22	58	12	15	1					
68	Trave	52	49	12	16	1			000001		
69	Trave	29	52	12	16	1		000001			
70	Trave	26	15	12	16	1			000001		
71	Trave	55	26	12	16	1		000001			
72	Trave	54	51	12	16	1			000001		
73	Pilas.	29	21	12	15	1					

74	Pilas.	51	27	12	15	1		
75	Pilas.	49	25	12	15	1		
76	Trave	23	54	12	16	1	000001	
77	Trave	31	29	12	16	1		
78	Trave	44	63	12	17	1		
79	Trave	39	71	12	17	1		
80	Trave	44	46	12	17	1	000001	000001
81	Trave	46	65	12	17	1	000001	
82	Trave	47	9	12	17	1		
83	Pilas.	9	3	12	15	1		
84	Pilas.	47	44	12	15	1		
85	Trave	49	15	12	18	1		
86	Trave	15	53	12	18	1		
87	Trave	53	51	12	18	1		
88	Pilas.	12	51	12	15	1		
89	Pilas.	14	22	12	15	1		
90	Pilas.	10	49	12	15	1		
91	Trave	50	23	12	18	1		
92	Trave	21	50	12	18	1		
93	Trave	55	30	12	16	1		
94	Pilas.	28	41	12	15	1		
95	Pilas.	13	40	12	15	1		
96	Trave	13	47	12	17	1		
97	Trave	28	9	12	17	1		
98	Trave	13	28	12	17	1		
99	Trave	47	46	12	17	1	000001	000001
100	Pilas.	4	31	12	15	1		
101	Pilas.	56	57	12	15	1		
102	Pilas.	57	9	12	15	1		
103	Trave	24	57	12	18	1		
104	Trave	58	47	12	17	1	000001	000001
105	Pilas.	58	39	12	15	1		
106	Trave	59	60	12	17	1		
107	Trave	60	35	12	17	1		
108	Trave	61	62	12	17	1		
109	Trave	62	41	12	17	1		
110	Trave	63	64	12	17	1		
111	Trave	64	3	12	17	1		
112	Trave	65	66	12	17	1		
113	Trave	66	43	12	17	1		000001
114	Trave	60	62	158	1	1	000001	000001
115	Trave	62	64	158	1	1	000001	000001
116	Trave	64	66	158	1	1	000001	000001
117	Trave	59	61	158	1	1	000001	000001
118	Trave	61	63	158	1	1	000001	000001
119	Trave	63	65	158	1	1	000001	000001
120	Trave	67	98	12	17	1		
121	Trave	7	97	12	17	1		
122	Trave	69	99	12	17	1		
123	Trave	70	100	12	17	1		
124	Trave	96	78	12	4	1	000001	000001
125	Trave	71	101	12	17	1		
126	Trave	67	75	158	1	1	000001	
127	Trave	7	69	158	1	1	000001	000001
128	Trave	69	70	158	1	1	000001	000001
129	Trave	70	71	158	20	1	000001	000001
130	Pilas.	94	75	12	3	1		
131	Trave	14	12	157	2	1		
132	Trave	73	20	12	18	1		
133	Pilas.	74	72	12	3	1		
134	Trave	91	89	12	4	1	000001	000001
135	Pilas.	73	91	12	3	1		
136	Pilas.	76	93	12	3	1		
137	Pilas.	77	81	12	3	1		
138	Pilas.	80	83	12	3	1		
139	Pilas.	79	95	12	3	1		
140	Trave	79	20	12	18	1		
141	Trave	75	7	158	1	1		000001
142	Pilas.	81	82	12	3	1		
143	Pilas.	82	76	12	3	1		
144	Pilas.	83	84	12	3	1		
145	Pilas.	84	79	12	3	1		
146	Pilas.	87	88	12	15	1		
147	Pilas.	85	86	12	3	1		
148	Pilas.	88	20	12	15	1		
149	Pilas.	86	73	12	3	1		
150	Trave	85	87	12	4	1	000001	000001

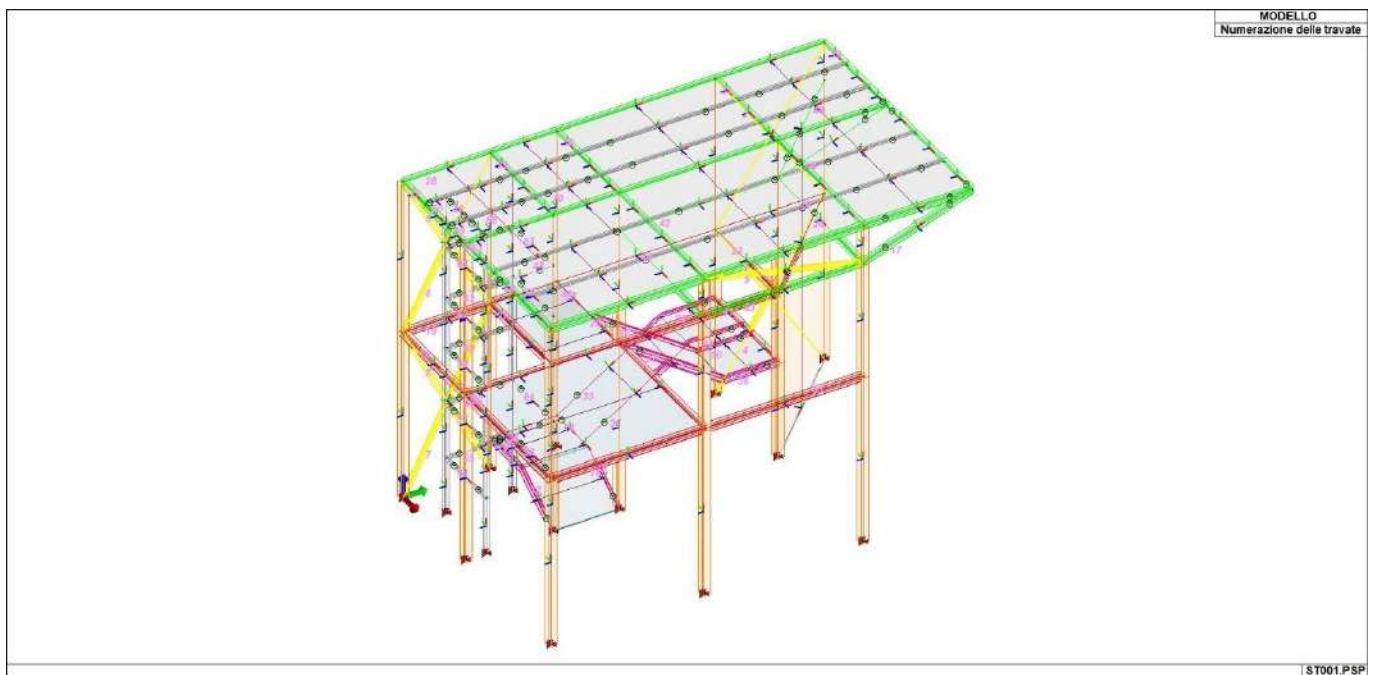
151	Trave	81	83	12	4	1	000001	000001
152	Trave	81	85	12	4	1	000001	000001
153	Trave	84	88	12	4	1	000001	000001
154	Trave	82	84	12	4	1	000001	000001
155	Trave	82	86	12	4	1	000001	000001
156	Trave	76	79	12	4	1	000001	000001
157	Trave	76	73	12	4	1	000001	000001
158	Pilas.	89	90	12	15	1		
159	Pilas.	90	37	12	15	1		
160	Pilas.	91	92	12	3	1		
161	Trave	72	32	12	16	1		
162	Pilas.	93	94	12	3	1		
163	Pilas.	72	85	12	3	1		
164	Pilas.	95	68	12	3	1		
165	Pilas.	68	78	12	3	1		
166	Trave	86	88	12	4	1	000001	000001
167	Trave	93	95	12	4	1	000001	000001
168	Trave	93	91	12	4	1	000001	000001
169	Trave	68	90	12	4	1	000001	000001
170	Trave	94	68	12	4	1	000001	000001
171	Trave	94	92	12	4	1	000001	000001
172	Trave	92	90	12	4	1	000001	000001
173	Trave	75	96	12	4	1	000001	000001
174	Trave	96	97	12	1	1		000001
175	Trave	98	96	158	1	1	000001	
176	Trave	97	99	158	1	1	000001	000001
177	Trave	99	100	158	1	1	000001	000001
178	Trave	100	101	158	20	1	000001	000001
179	Trave	98	34	12	17	1		
180	Trave	97	37	12	17	1		
181	Trave	99	40	12	17	1		
182	Trave	100	44	12	17	1		
183	Trave	101	46	12	17	1		000001



15_MOD_NUMERAZIONE_D2



15_MOD_NUMERAZIONE_D2_PILASTRATE



15_MOD_NUMERAZIONE_D2_TRAVATE

MODELLAZIONE DELLA STRUTTURA: ELEMENTI SOLAIO-PANNELLO

LEGENDA TABELLA DATI SOLAI-PANNELLI

Il programma utilizza per la modellazione elementi a tre o più nodi denominati in generale solaio o pannello.

Ogni elemento solaio-pannello è individuato da una poligonale di nodi 1,2, ..., N.

L'elemento solaio è utilizzato in primo luogo per la modellazione dei carichi agenti sugli elementi strutturali. In secondo luogo può essere utilizzato per la corretta ripartizione delle forze orizzontali agenti nel proprio piano. L'elemento balcone è derivato dall'elemento solaio.

I carichi agenti sugli elementi solaio, raccolti in un archivio, sono direttamente assegnati agli elementi utilizzando le informazioni raccolte nell' archivio (es. i coefficienti combinatori). La tabella seguente riporta i dati utilizzati per la definizione dei carichi e delle masse.

L'elemento pannello è utilizzato solo per l'applicazione dei carichi, quali pesi delle tamponature o spinte dovute al vento o terre. In questo caso i carichi sono applicati in analogia agli altri elementi strutturali (si veda il cap. SCHEMATIZZAZIONE DEI CASI DI CARICO).

Id.Arch.	Identificativo dell' archivio
Tipo	Tipo di carico Variab. Carico variabile generico Var. rid. Carico variabile generico con riduzione in funzione dell' area (c.5.5. ...) Neve Carico di neve
G1k	carico permanente (comprensivo del peso proprio)
G2k	carico permanente non strutturale e non compiutamente definito
Qk	carico variabile
Fatt. A	fattore di riduzione del carico variabile (0.5 o 0.75) per tipo "Var.rid."
S sis.	fattore di riduzione del carico variabile per la definizione delle masse sismiche per D.M. 96 (vedi NOTA sul capitolo "normativa di riferimento")
Psi 0	Coefficiente combinatorio dei valori caratteristici delle azioni variabili: per valore raro
Psi 1	Coefficiente combinatorio dei valori caratteristici delle azioni variabili: per valore frequente
Psi 2	Coefficiente combinatorio dei valori caratteristici delle azioni variabili: per valore quasi permanente
Psi S 2	Coefficiente di combinazione che fornisce il valore quasi-permanente dell'azione variabile: per la definizione delle masse sismiche
Fatt. Fi	Coefficiente di correlazione dei carichi per edifici

Ogni elemento è caratterizzato da un insieme di proprietà riportate in tabella che ne completano la modellazione. In particolare per ogni elemento viene indicato in tabella:

Elem	numero dell'elemento
Tipo	codice di comportamento S elemento utilizzato solo per scarico C elemento utilizzato per scarico e per modellazione piano rigido P elemento utilizzato come pannello M scarico monodirezionale B scarico bidirezionale
Id.Arch.	Identificativo dell' archivio
Mat	codice del materiale assegnato all'elemento
Spessore	spessore dell'elemento (costante)

Orditura	angolo (rispetto all'asse X) della direzione dei travetti principali
Gk	carico permanente solaio (comprensivo del peso proprio)
Qk	carico variabile solaio
Nodi	numero dei nodi che definiscono l'elemento (5 per riga)

La progettazione viene eseguita con il metodo degli stati limite. I simboli utilizzati in tabella assumono il seguente significato:

Elem.	numero identificativo dell'elemento
Stato	Codici di verifica relativi alle tensioni normali e alle tensioni tangenziali
Note	Viene riportato il codice relativo alla sezione(s) e relativo al materiale(m);
Pos.	Ascissa del punto di verifica
F ist, F infi	Frecce istantanee e a tempo infinito
Momento	Momento flettente
Taglio	Sollecitazione di taglio
Af inf.	Area di armatura longitudinale posta all'intradosso della trave
Af sup.	Area di armatura longitudinale posta all'estradosso della trave
AfV	Area dell'armatura atta ad assorbire le azioni di taglio
Beff	Base della sezione di cls per l'assorbimento del taglio
x/d	rapporto tra posizione dell'asse neutro e altezza utile alla rottura della sezione (per sola flessione)
verif.	rapporto Sd/Su con sollecitazioni ultime proporzionali: valore minore o uguale a 1 per verifica positiva
Verif.V	rapporto Sd/Su con sollecitazioni taglianti proporzionali valore minore o uguale a 1 per verifica positiva
rRfck	rapporto tra la massima compressione nel calcestruzzo e la tensione fck in combinazioni rare [normalizzato a 1]
rFfck	rapporto tra la massima compressione nel calcestruzzo e la tensione fck in combinazioni freq. [normalizzato a 1]
rPfck	rapporto tra la massima compressione nel calcestruzzo e la tensione fck in combinazioni quasi perm. [normalizzato a 1]
rRfyk	rapporto tra la massima tensione nell'acciaio e la tensione fyk in combinazioni frequenti [normalizzato a 1]
rFyk	rapporto tra la massima tensione nell'acciaio e la tensione fyk in combinazioni rare [normalizzato a 1]
rPfyk	rapporto tra la massima tensione nell'acciaio e la tensione fyk in combinazioni quasi permanenti [normalizzato a 1]
wR	apertura caratteristica delle fessure in combinazioni rare [mm]
wF	apertura caratteristica delle fessure in combinazioni frequenti [mm]
wP	apertura caratteristica delle fessure in combinazioni quasi permanenti [mm]

Nel caso in cui si sia proceduto alla verifica delle tamponature secondo il D.M. 17.01.2018 - §7.2.3 viene riportata una tabella riassuntiva delle verifiche degli elementi pannello. La verifica confronta i momenti sollecitanti indotti dal sisma con i momenti resistenti, secondo tre ipotesi, due basate sulla resistenza a pressoflessione della tamponatura ed una basata sul cinematismo a seguito della formazione di tre cerniere plastiche sulla tamponatura (rif. Ufficio di Vigilanza sulle Costruzioni, Provincia di Terni).

Qualora la tamponatura sia di tipo antiespulsione (nelle due possibili varianti ordinaria o armata) viene condotta una verifica con meccanismo ad arco con degrado di resistenza. La verifica confronta le pressioni sollecitanti indotte dal sisma con le pressioni resistenti che la tamponatura sviluppa attraverso il meccanismo ad arco. La verifica considera anche il degrado di resistenza dovuto al danneggiamento nel piano della tamponatura.

Per quest'ultima tamponatura sono disponibili, in funzione del materiale impiegato (materiale [52] o materiale [53]):

- **Tamponatura Antiespulsione ordinaria Poroton® Cis Edil** sp.30 cm; con metodo di verifica per

meccanismo ad arco con degrado di resistenza, sviluppato attraverso i risultati di un progetto di ricerca sperimentale condotto dall'Università degli Studi di Padova.
Utilizzabile per il materiale [52].

- **Tamponatura Antiespulsione armata Poroton® Cis Edil** sp.30 cm; con metodo di verifica per meccanismo ad arco con degrado di resistenza, sviluppato attraverso i risultati di un progetto di ricerca sperimentale condotto dall'Università degli Studi di Padova.
Utilizzabile per il materiale [53].

La verifica è stata calibrata sulla base di prove sperimentali sul sistema di Tamponatura Antiespulsione anche in presenza di aperture.

(rif. Rapporti di Prova redatti dal Dipartimento ICEA - Università degli Studi di Padova di test sperimentali condotti sul sistema Tamponatura Antiespulsione di Cis Edil)

In particolare i simboli utilizzati in tabella assumono il seguente significato:

Elem.	Numero identificativo dell'elemento
Stato	Codice di verifica
Ver. c.c.	Verifica nell'ipotesi di trave appoggiata con carico concentrato in mezzeria
Ver. c.d.	Verifica nell'ipotesi di trave appoggiata con carico distribuito
Ver. c.cin.	Verifica nell'ipotesi di cinematismo con formazione di cerniere plastiche in appoggio e mezzeria
Ver. CIS	Rapporto pa/pr (valore minore o uguale a 1 per verifica positiva)
Z	Quota del baricentro dell'elemento
T1	Periodo proprio dell'edificio nella direzione di interesse (ortogonale al pannello)
Ta	Periodo proprio della parete
Sa	Accelerazione massima, adimensionalizzata allo SLV
pa	Pressione sulla parete causata dall'azione sismica
pr	Pressione resistente del meccanismo ad arco
Drift	Spostamento relativo interpiano allo SLV valutato secondo il D.M. 14.01.2018 - § 7.3.3.3
Beta a	Coef. riduttivo per tener conto del danneggiamento del piano dipendente dallo spostamento, ottenuto sperimentalmente

ID Arch.	Tipo	G1 daN/ m2	G2 daN/ m2	Q daN/ m2	Fatt. A	s sis.	Psi 0	Psi 1	Psi 2	Psi S 2	Fatt. Fi
1	Neve Variab.	70.00	20.00	80.00		1.00	0.50 0.70	0.20 0.50	0.0 0.30	0.0	1.00
2	Variab.	198.07	80.00	400.00		1.00	0.70	0.50	0.30	0.30	1.00
3	Variab.	40.00	20.00	400.00		1.00	0.70	0.50	0.30	0.30	1.00

Elem.	Tipo	ID Arch.	Mat.	Spessore	Orditura	G1 daN/ m2	G2 daN/ m2	Q	Nodo 1/6..	Nodo 2/7..	Nodo 3/8..	Nodo..	Nodo..
1	CM	2	m=158	4.0	90.0	198.07	80.00	400.00	18	24	23	20	17
2	CM	2	m=158	4.0	90.0	198.07	80.00	400.00	20	23	50	21	19
3	SM	3	m=158	1.0	0.0	40.00	20.00	400.00	11	54	51	53	
4	SM	10	m=158	1.0	0.0				26	11	53	15	
5	SM	3	m=158	1.0	0.0	40.00	20.00	400.00	54	11	50	23	
6	SM	3	m=158	1.0	90.0	40.00	20.00	400.00	32	30	55	29	31
7	SM	3	m=158	1.0	0.0	40.00	20.00	400.00	29	55	26	52	
8	SM	3	m=158	1.0	0.0	40.00	20.00	400.00	26	15	49	52	
9	SM	3	m=158	1.0	90.0	40.00	20.00	400.00	5	8	30	32	
10	SM	1	m=12	1.0	0.0	70.00	20.00	80.00	35	41	62	60	
11	SM	1	m=12	1.0	0.0	70.00	20.00	80.00	62	64	63	61	
12	SM	1	m=12	1.0	0.0	70.00	20.00	80.00	64	66	65	63	
13	SM	1	m=12	1.0	0.0	70.00	20.00	80.00	3	43	66	64	
14	SM	1	m=12	1.0	0.0	70.00	20.00	80.00	41	3	64	62	
15	SM	1	m=12	1.0	0.0	70.00	20.00	80.00	59	61	40	37	34
16	SM	1	m=12	1.0	0.0	70.00	20.00	80.00	61	63	44	40	
17	SM	1	m=12	1.0	0.0	70.00	20.00	80.00	63	65	46	44	
18	SM	1	m=12	1.0	0.0	70.00	20.00	80.00	60	62	61	59	
19	SM	1	m=12	1.0	0.0	70.00	20.00	80.00	42	70	71	39	

20	SM	1	m=12	1.0	0.0	70.00	20.00	80.00	70	100	101	71
21	SM	1	m=12	1.0	0.0	70.00	20.00	80.00	100	44	46	101
22	SM	1	m=12	1.0	0.0	70.00	20.00	80.00	38	69	70	42
23	SM	1	m=12	1.0	0.0	70.00	20.00	80.00	69	99	100	70
24	SM	1	m=12	1.0	0.0	70.00	20.00	80.00	99	40	44	100
25	SM	1	m=12	1.0	0.0	70.00	20.00	80.00	36	7	69	38
26	SM	1	m=12	1.0	0.0	70.00	20.00	80.00	7	97	99	69
27	SM	1	m=12	1.0	0.0	70.00	20.00	80.00	97	37	40	99
28	SM	1	m=12	1.0	0.0	70.00	20.00	80.00	33	67	7	36
29	SM	1	m=12	1.0	0.0	70.00	20.00	80.00	67	98	97	7
30	SM	1	m=12	1.0	0.0	70.00	20.00	80.00	98	34	37	97
31	PM		m=12	1.0	90.0				12	14	22	27
32	PM		m=12	1.0	90.0				27	22	58	47



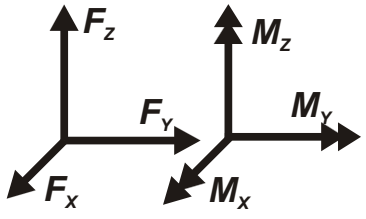
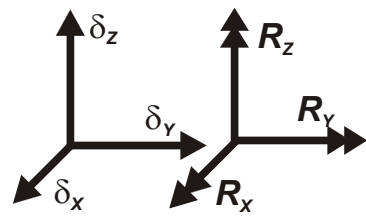
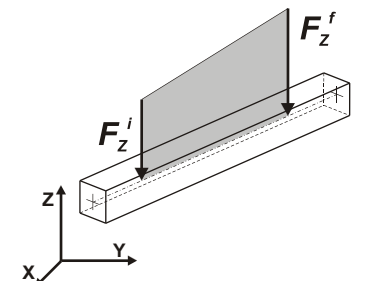
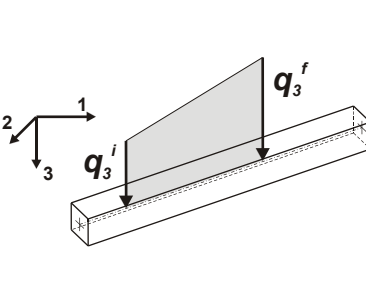
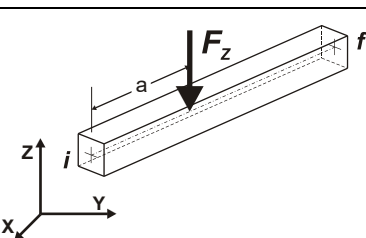
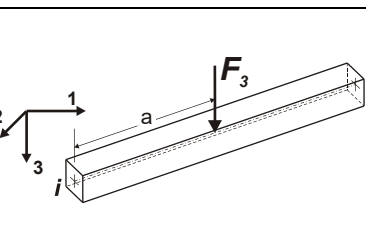
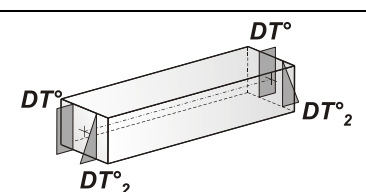
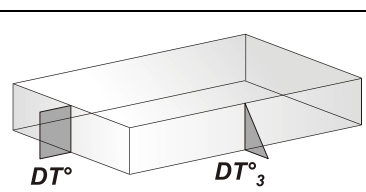
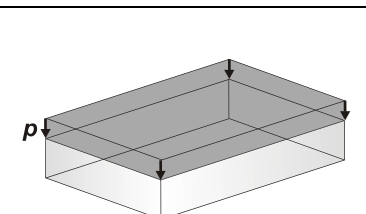
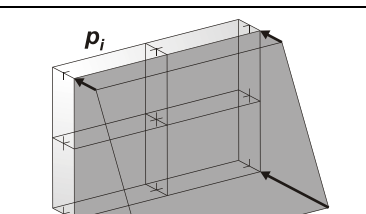
17_MOD_NUMERAZIONE_SOLAI

MODELLAZIONE DELLE AZIONI

LEGENDA TABELLA DATI AZIONI

Il programma consente l'uso di diverse tipologie di carico (azioni). Le azioni utilizzate nella modellazione sono individuate da una sigla identificativa ed un codice numerico (gli elementi strutturali richiamano quest'ultimo nella propria descrizione). Per ogni azione applicata alla struttura viene di riportato il codice, il tipo e la sigla identificativa. Le tabelle successive dettagliano i valori caratteristici di ogni azione in relazione al tipo. Le tabelle riportano infatti i seguenti dati in relazione al tipo:

1	carico concentrato nodale 6 dati (forza F_x , F_y , F_z , momento M_x , M_y , M_z)
2	spostamento nodale impresso 6 dati (spostamento T_x , T_y , T_z , rotazione R_x , R_y , R_z)
3	carico distribuito globale su elemento tipo trave 7 dati (f_x , f_y , f_z , m_x , m_y , m_z , ascissa di inizio carico) 7 dati (f_x , f_y , f_z , m_x , m_y , m_z , ascissa di fine carico)
4	carico distribuito locale su elemento tipo trave 7 dati (f_1 , f_2 , f_3 , m_1 , m_2 , m_3 , ascissa di inizio carico) 7 dati (f_1 , f_2 , f_3 , m_1 , m_2 , m_3 , ascissa di fine carico)
5	carico concentrato globale su elemento tipo trave 7 dati (F_x , F_y , F_z , M_x , M_y , M_z , ascissa di carico)
6	carico concentrato locale su elemento tipo trave 7 dati (F_1 , F_2 , F_3 , M_1 , M_2 , M_3 , ascissa di carico)
7	variazione termica applicata ad elemento tipo trave 7 dati (variazioni termiche: uniforme, media e differenza in altezza e larghezza al nodo iniziale e finale)
8	carico di pressione uniforme su elemento tipo piastra 1 dato (pressione)
9	carico di pressione variabile su elemento tipo piastra 4 dati (pressione, quota, pressione, quota)
10	variazione termica applicata ad elemento tipo piastra 2 dati (variazioni termiche: media e differenza nello spessore)
11	carico variabile generale su elementi tipo trave e piastra 1 dato descrizione della tipologia 4 dati per segmento (posizione, valore, posizione, valore) la tipologia precisa l'ascissa di definizione, la direzione del carico, la modalità di carico e la larghezza d'influenza per gli elementi tipo trave
12	gruppo di carichi con impronta su piastra 9 dati (numero di ripetizioni in direzione X e Y, valore di ciascun carico, posizione centrale del primo, dimensioni dell'impronta, interasse tra i carichi)

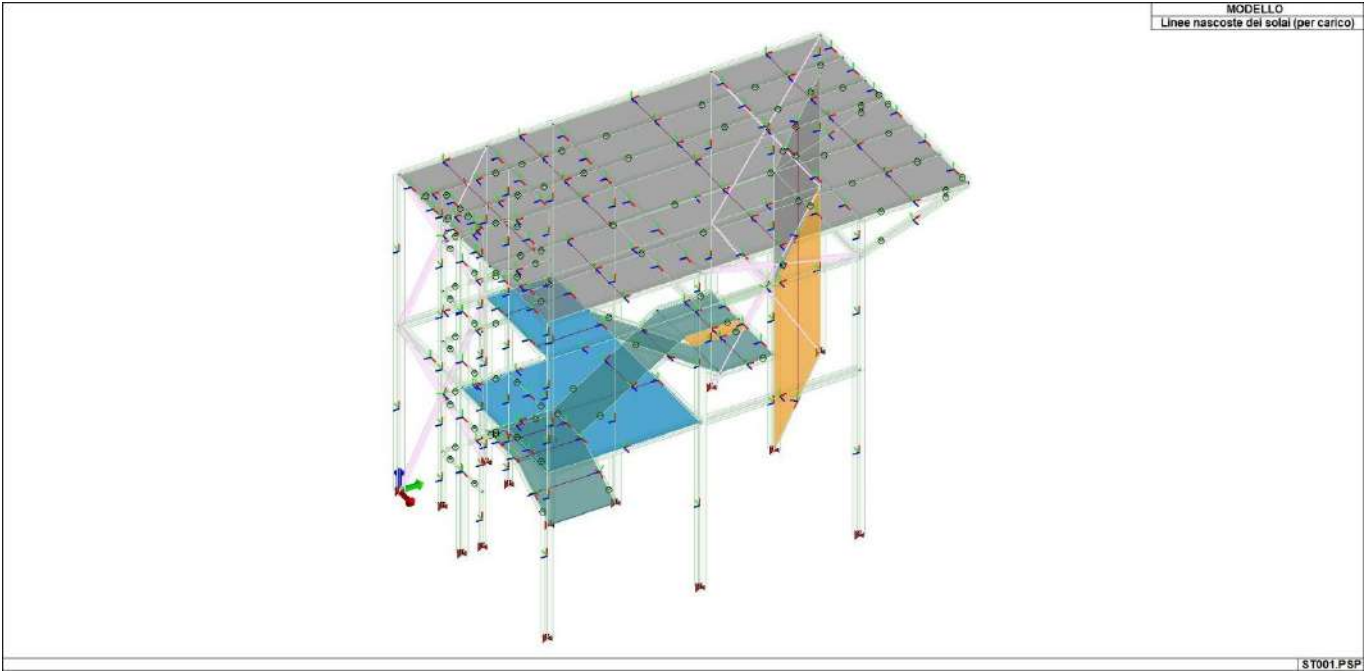
 Carico concentrato nodale	 Spostamento impresso
 Carico distribuito globale	 Carico distribuito locale
 Carico concentrato globale	 Carico concentrato locale
 Carico termico 2D	 Carico termico 3D
 Carico pressione uniforme	 Carico pressione variabile

Tipo carico distribuito globale su trave

Id	Tipo	Pos.	fx	fy	fz	mx	my	mz
		m	daN/ m	daN/ m	daN/ m	daN	daN	daN
1	DG:Fzi=-0.30 Fzf=-0.30	0.0	0.0	0.0	-30.00	0.0	0.0	0.0
		0.0	0.0	0.0	-30.00	0.0	0.0	0.0
9	Orsogrill-DG:Fzi=-0.82 Fzf=-0.82	0.0	0.0	0.0	-82.00	0.0	0.0	0.0
		0.0	0.0	0.0	-82.00	0.0	0.0	0.0
10	Carteratura cartongesso-DG:Fzi=-1.20 Fzf=-1.20	0.0	0.0	0.0	-120.00	0.0	0.0	0.0
		0.0	0.0	0.0	-120.00	0.0	0.0	0.0

Tipo carico di pressione uniforme su piastra

Id	Tipo	pressione
		daN/ m2
7	QVK PAN ++ vento*0.4 (da personalizzare)-P3:p=	1.030e-02 103.00



21_CAR_CARICHI_SOLAI

SCHEMATIZZAZIONE DEI CASI DI CARICO

LEGENDA TABELLA CASI DI CARICO

Il programma consente l'applicazione di diverse tipologie di casi di carico.

Sono previsti i seguenti 11 tipi di casi di carico:

	Sigla	Tipo	Descrizione
1	Ggk	A	caso di carico comprensivo del peso proprio struttura
2	Gk	NA	caso di carico con azioni permanenti
3	Qk	NA	caso di carico con azioni variabili
4	Gsk	A	caso di carico comprensivo dei carichi permanenti sui solai e sulle coperture
5	Qsk	A	caso di carico comprensivo dei carichi variabili sui solai
6	Qnk	A	caso di carico comprensivo dei carichi di neve sulle coperture
7	Qtk	SA	caso di carico comprensivo di una variazione termica agente sulla struttura
8	Qvk	NA	caso di carico comprensivo di azioni da vento sulla struttura
9	Esk	SA	caso di carico sismico con analisi statica equivalente
10	Edk	SA	caso di carico sismico con analisi dinamica
11	Etk	NA	caso di carico comprensivo di azioni derivanti dall' incremento di spinta delle terre in condizione sismica
12	Pk	NA	caso di carico comprensivo di azioni derivanti da coazioni, cedimenti e precompressioni

Sono di tipo automatico A (ossia non prevedono introduzione dati da parte dell'utente) i seguenti casi di carico: 1-Ggk; 4-Gsk; 5-Qsk; 6-Qnk.

Sono di tipo semi-automatico SA (ossia prevedono una minima introduzione dati da parte dell'utente) i seguenti casi di carico:

7-Qtk, in quanto richiede solo il valore della variazione termica;

9-Esk e 10-Edk, in quanto richiedono il valore dell'angolo di ingresso del sisma e l'individuazione dei casi di carico partecipanti alla definizione delle masse.

Sono di tipo non automatico NA ossia prevedono la diretta applicazione di carichi generici agli elementi strutturali (si veda il precedente punto Modellazione delle Azioni) i restanti casi di carico.

Nella tabella successiva vengono riportati i casi di carico agenti sulla struttura, con l'indicazione dei dati relativi al caso di carico stesso:

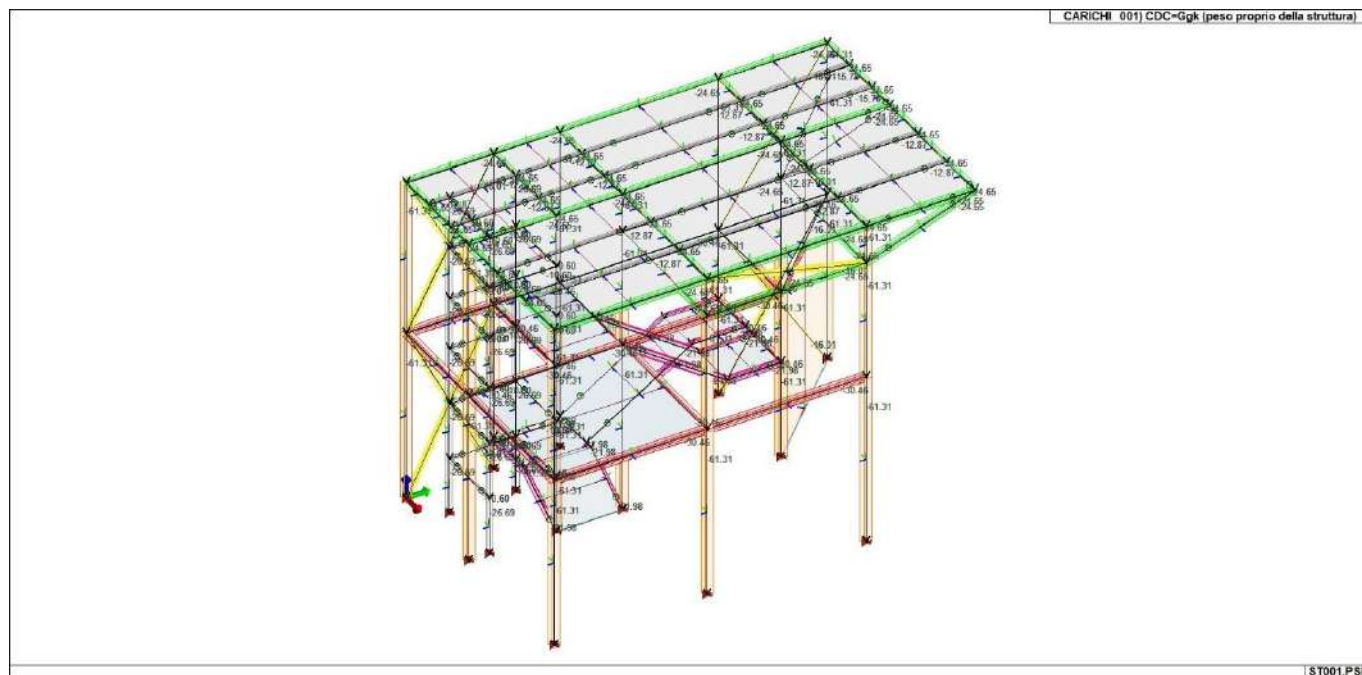
Numero Tipo e Sigla identificativa, Valore di riferimento del caso di carico (se previsto).

In successione, per i casi di carico non automatici, viene riportato l'elenco di nodi ed elementi direttamente caricati con la sigla identificativa del carico.

Per i casi di carico di tipo sismico (9-Esk e 10-Edk), viene riportata la tabella di definizione delle masse: per ogni caso di carico partecipante alla definizione delle masse viene indicata la relativa aliquota (partecipazione) considerata. Si precisa che per i caso di carico 5-Qsk e 6-Qnk la partecipazione è prevista localmente per ogni elemento solaio o copertura presente nel modello (si confronti il valore Sksol nel capitolo relativo agli elementi solaio) e pertanto la loro partecipazione è di norma pari a uno.

CDC	Tipo	Sigla Id	Note	Per non automatici:
1	Ggk	CDC=Ggk (peso proprio della struttura)		
2	Gsk	CDC=G1sk (permanente solai-coperture)		
3	Gsk	CDC=G2sk (permanente solai-coperture n.c.d.)		
4	Gsk	CDC=G2pk (permanente pannelli n.c.d.)		

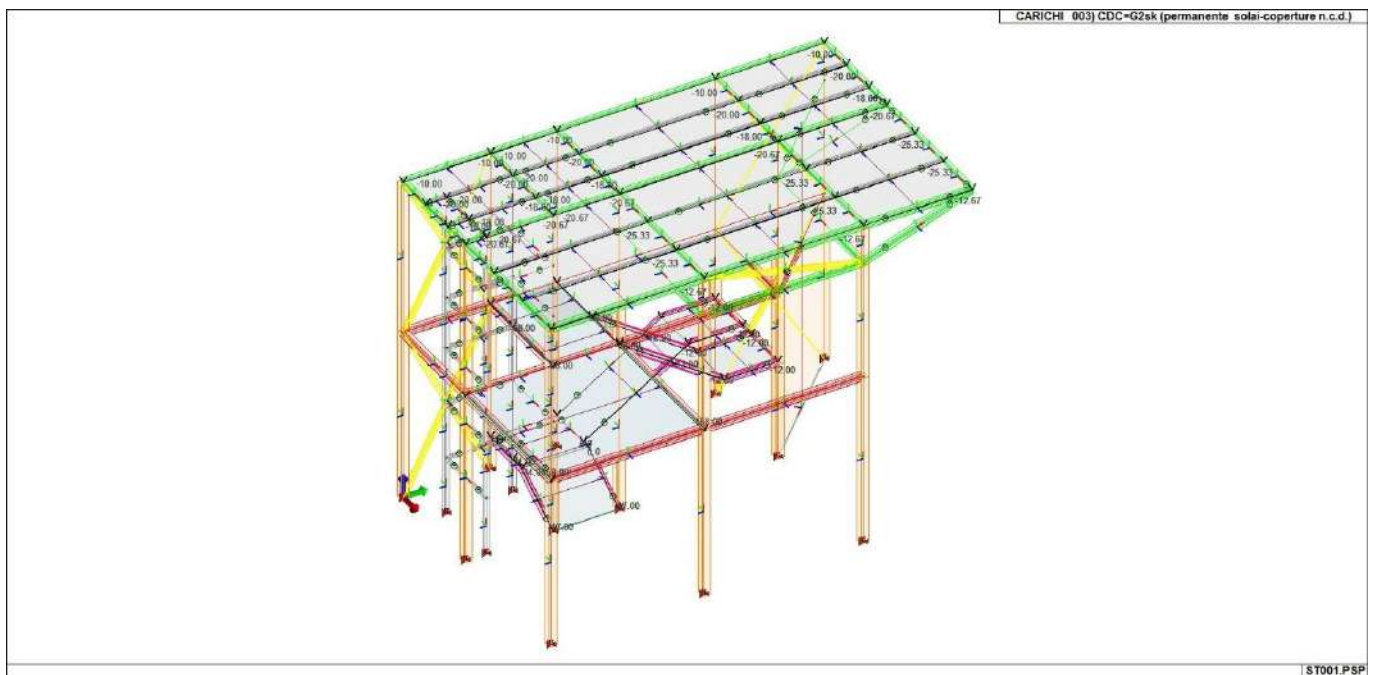
CDC	Tipo	Sigla Id	Note	Per non automatici:
5	Qsk	CDC=Qsk (variabile solai)		
6	Qnk	CDC=Qnk (carico da neve)		
7	Edk	CDC=Ed (dinamico SLU) alfa=0.0 (ecc. +)	partecipazione:1.00 per 1 CDC=Ggk (peso proprio della struttura)	
			partecipazione:1.00 per 2 CDC=G1sk (permanente solai-coperture)	
			partecipazione:1.00 per 3 CDC=G2sk (permanente solai-coperture n.c.d.)	
			partecipazione:1.00 per 4 CDC=G2pk (permanente pannelli n.c.d.)	
			partecipazione:1.00 per 5 CDC=Qsk (variabile solai)	
			partecipazione:1.00 per 6 CDC=Qnk (carico da neve)	
8	Edk	CDC=Ed (dinamico SLU) alfa=0.0 (ecc. -)	come precedente CDC sismico	
9	Edk	CDC=Ed (dinamico SLU) alfa=90.00 (ecc. +)	come precedente CDC sismico	
10	Edk	CDC=Ed (dinamico SLU) alfa=90.00 (ecc. -)	come precedente CDC sismico	
11	Edk	CDC=Ed (dinamico SLD) alfa=0.0 (ecc. +)	come precedente CDC sismico	
12	Edk	CDC=Ed (dinamico SLD) alfa=0.0 (ecc. -)	come precedente CDC sismico	
13	Edk	CDC=Ed (dinamico SLD) alfa=90.00 (ecc. +)	come precedente CDC sismico	
14	Edk	CDC=Ed (dinamico SLD) alfa=90.00 (ecc. -)	come precedente CDC sismico	
15	Gk	CDC=G1k (permanente generico)	Azioni applicate:	Ad elementi:
			[1] DG:Fzi=-0.30 Fzf=-0.30	D2: 18, 20, 31, 68 # 69, 71 # 72, 76 # 77, 161
			[9] Orsogrill-DG:Fzi=-0.82 Fzf=-0.82	D2: 26 # 27, 29, 32 # 33, 140
			[10] Carteratura cartongesso-DG:Fzi=-1.20 Fzf=-1.20	D2: 21, 24 # 25, 34 # 36, 85 # 87
16	Qvk	CDC=Qvk (carico da vento)	Azioni applicate:	Ad elementi:
			[7] QVK PAN ++ vento*0.4 (da personalizzare)-P3:p= 1.030e-02	Pannelli: 31 # 32



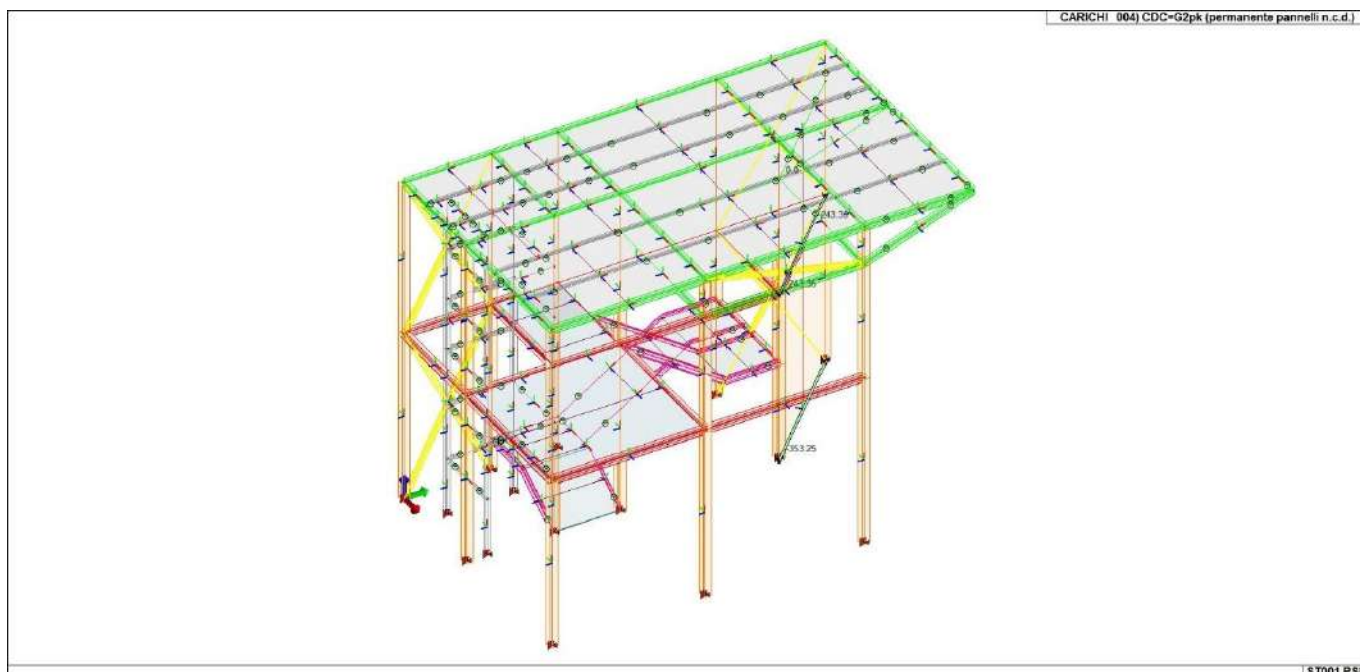
22_CDC_001_CDCCGgk peso proprio della struttura



22_CDC_002_CDCCG1sk permanente solai-coperture



22_CDC_003_CDCCG2sk permanente solai-coperture ncd



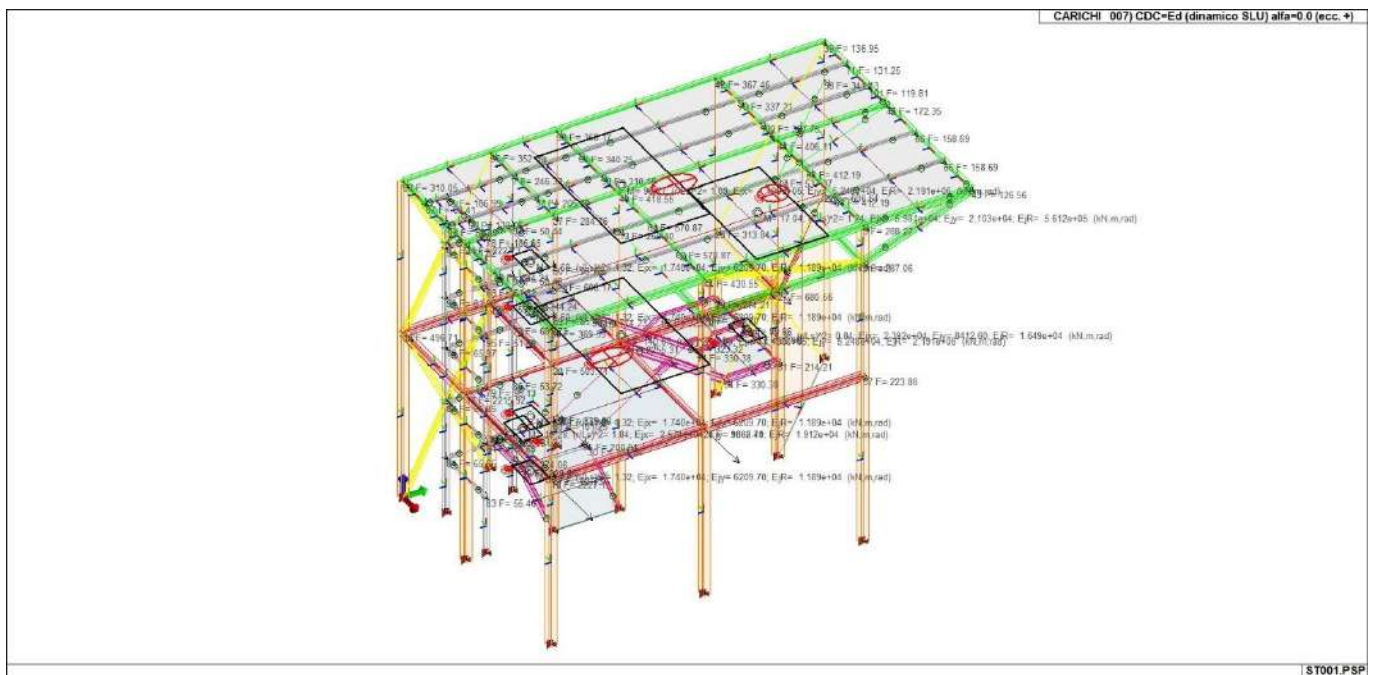
22_CDC_004_CDCCG2pk permanente pannelli ncd



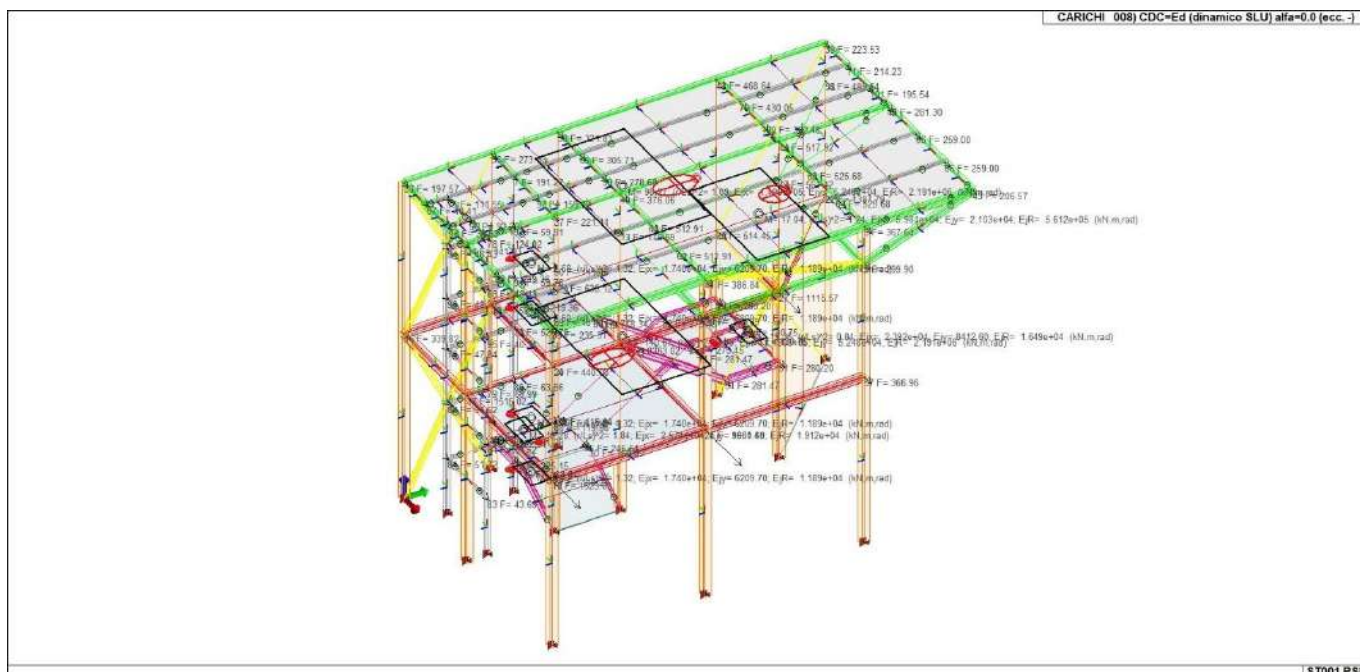
22_CDC_005_CDCCQsk variabile solai



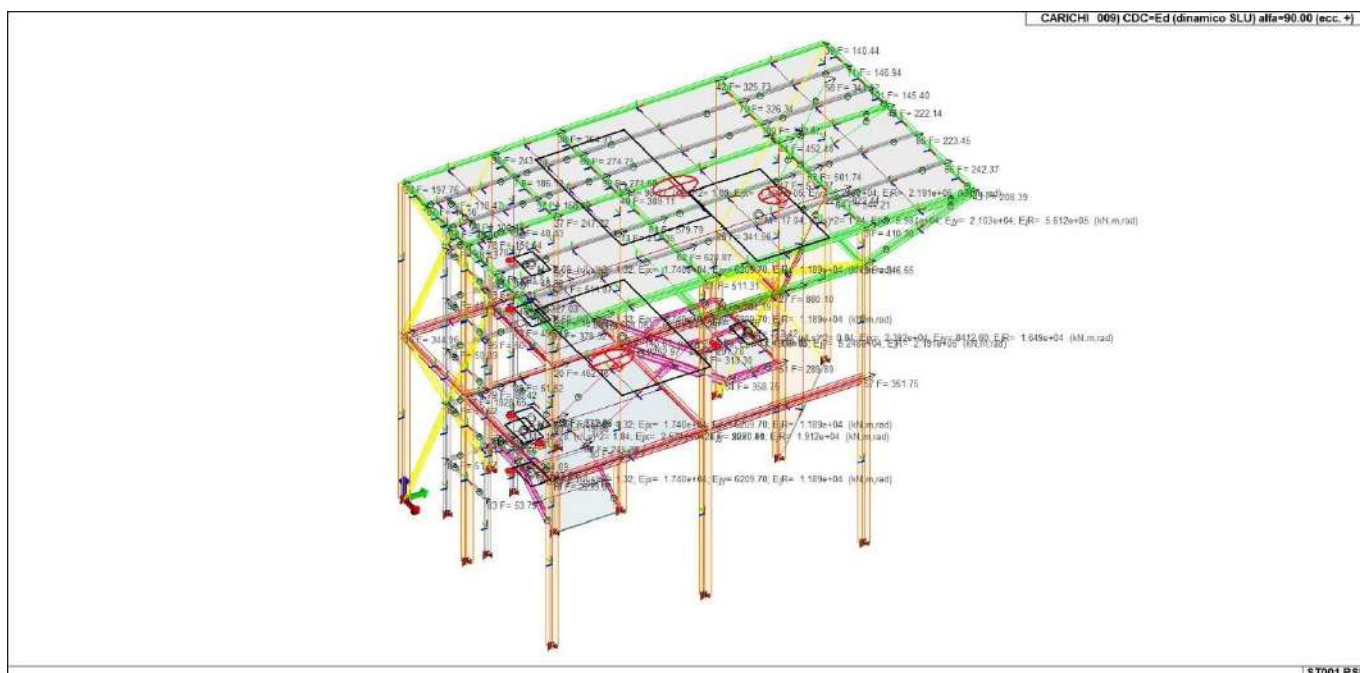
22_CDC_006_CDCQnk carico da neve



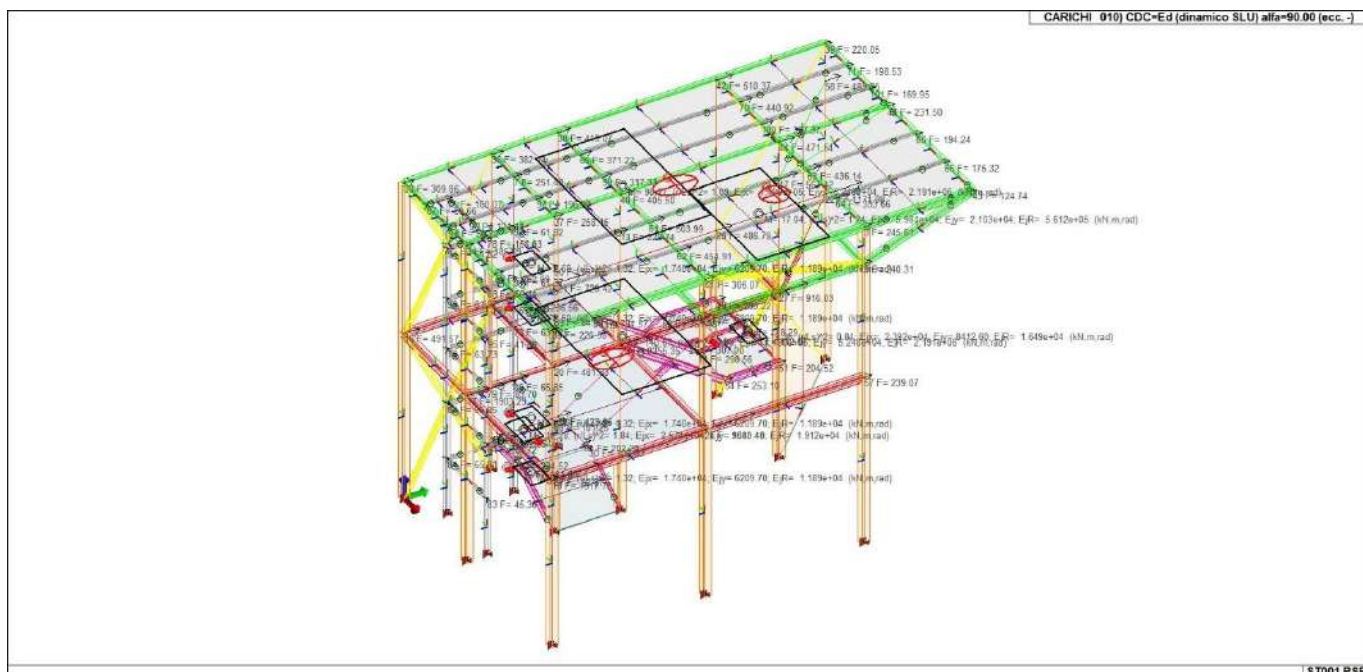
22_CDC_007_CDCEd dinamico SLU alfa00 ecc +



22_CDC_008_CDCEd dinamico SLU alfa00 ecc -

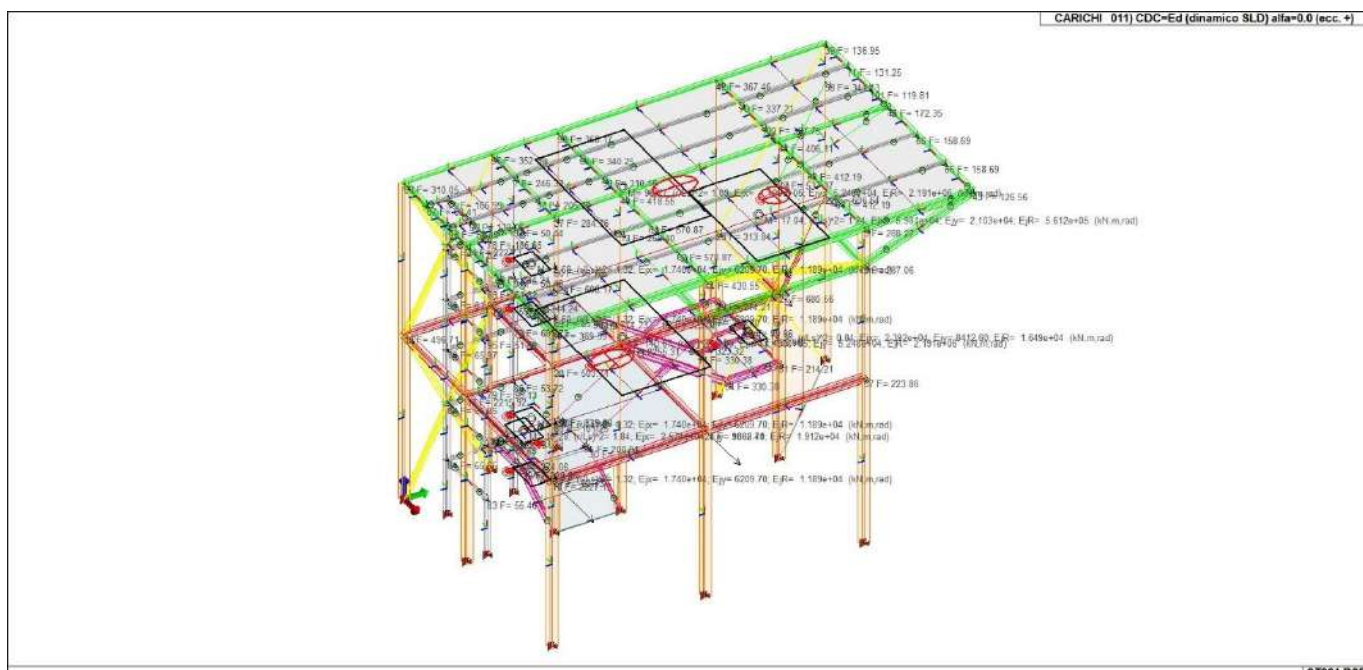


22_CDC_009_CDCEd dinamico SLU alfa9000 ecc +



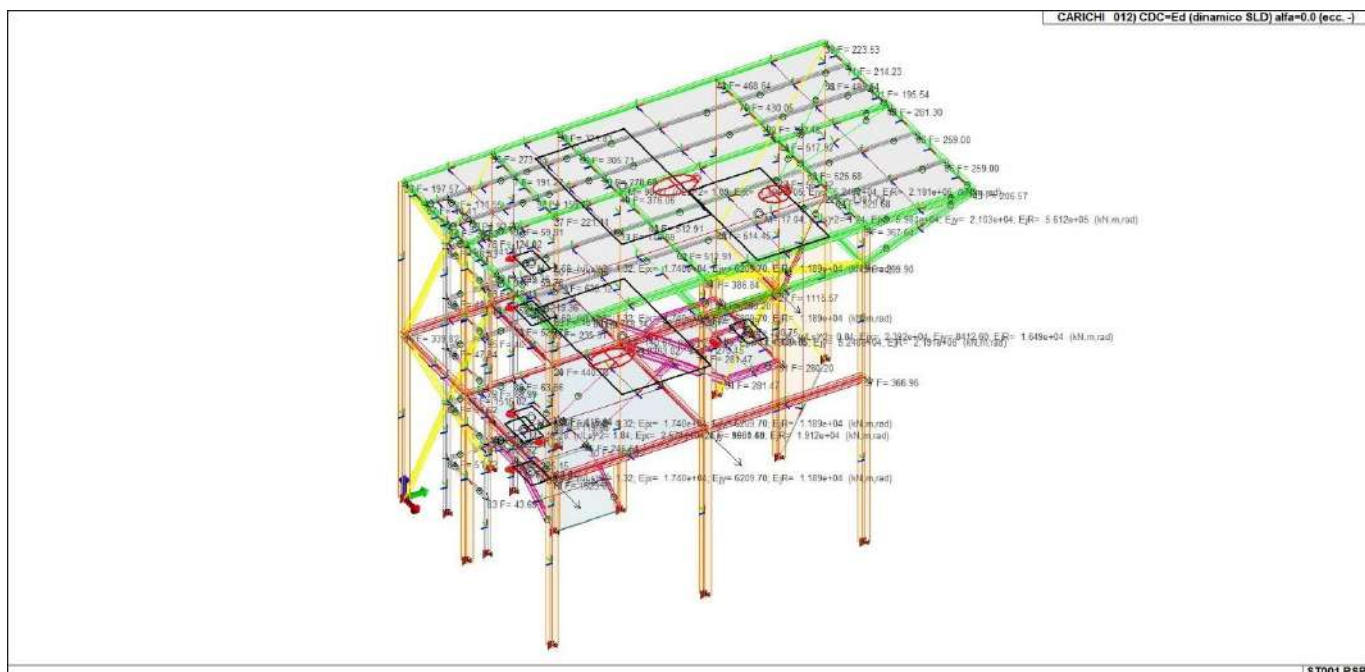
ST001.PSP

22_CDC_010_CDCEd dinamico SLU alfa9000 ecc -

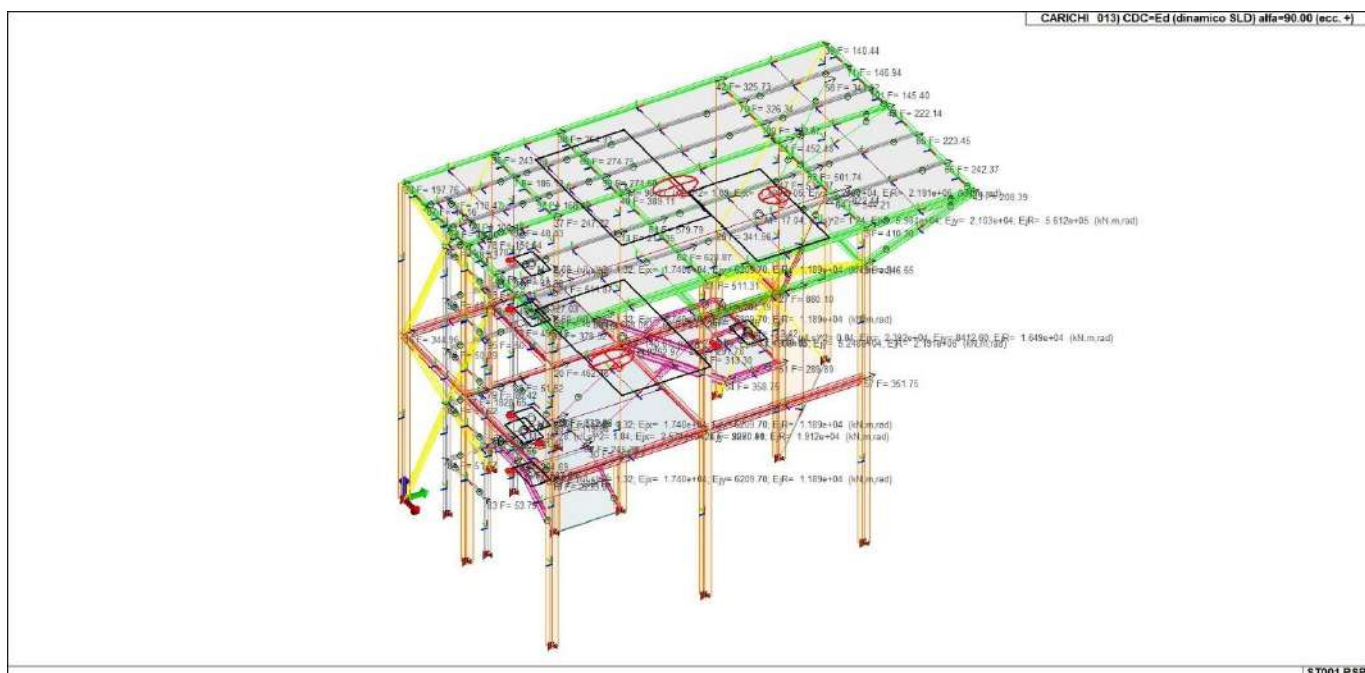


ST001.PSP

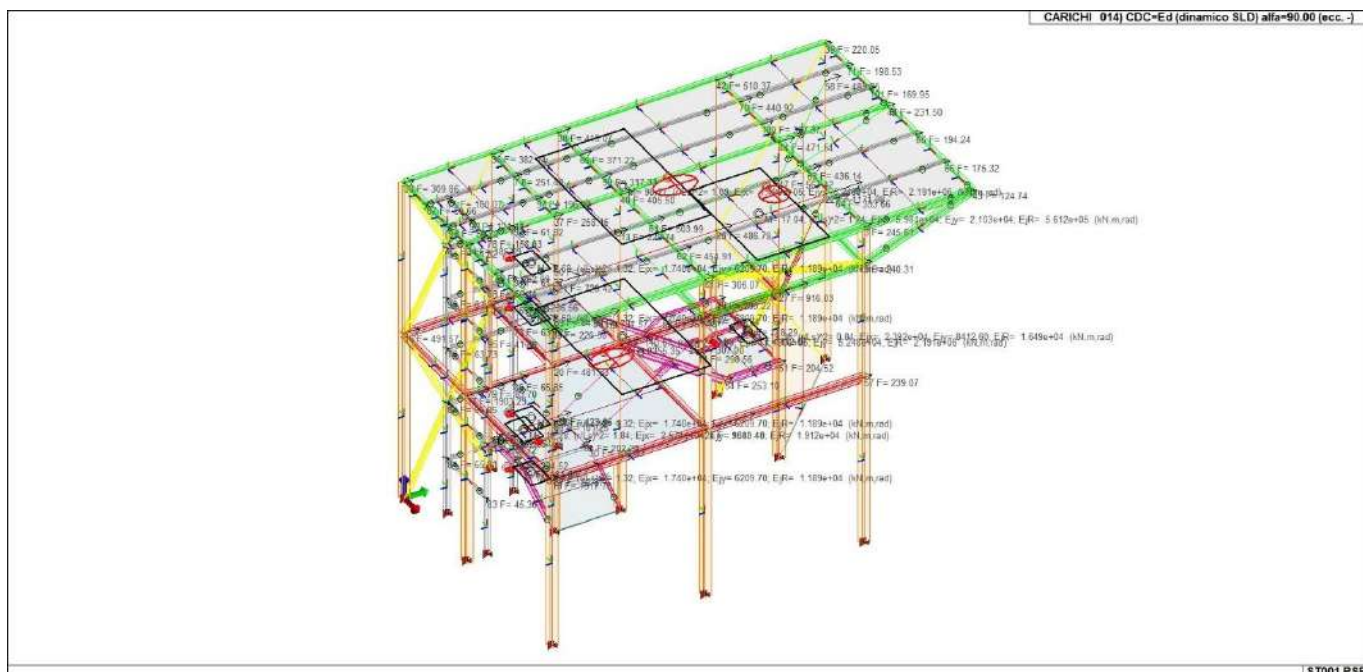
22_CDC_011_CDCEd dinamico SLD alfa00 ecc +



22_CDC_012_CDCEd dinamico SLD alfa00 ecc -



22_CDC_013_CDCEd dinamico SLD alfa9000 ecc +



ST001.PSP

22_CDC_014_CDCEd dinamico SLD alfa9000 ecc -



ST001.PSP

22_CDC_015_CD CG1k permanente generico



22_CDC_016_CDCQvk carico da vento

DEFINIZIONE DELLE COMBINAZIONI

LEGENDA TABELLA COMBINAZIONI DI CARICO

Il programma combina i diversi tipi di casi di carico (CDC) secondo le regole previste dalla normativa vigente. Le combinazioni previste sono destinate al controllo di sicurezza della struttura ed alla verifica degli spostamenti e delle sollecitazioni.

La prima tabella delle combinazioni riportata di seguito comprende le seguenti informazioni: Numero, Tipo, Sigla identificativa. Una seconda tabella riporta il peso nella combinazione assunto per ogni caso di carico.

Ai fini delle verifiche degli stati limite si definiscono le seguenti combinazioni delle azioni:

Combinazione fondamentale SLU

$$\gamma G_1 \cdot G_1 + \gamma G_2 \cdot G_2 + \gamma P \cdot P + \gamma Q_1 \cdot Q_{k1} + \gamma Q_2 \cdot \psi_{02} \cdot Q_{k2} + \gamma Q_3 \cdot \psi_{03} \cdot Q_{k3} + \dots$$

Combinazione caratteristica (rara) SLE

$$G_1 + G_2 + P + Q_{k1} + \psi_{02} \cdot Q_{k2} + \psi_{03} \cdot Q_{k3} + \dots$$

Combinazione frequente SLE

$$G_1 + G_2 + P + \psi_{11} \cdot Q_{k1} + \psi_{22} \cdot Q_{k2} + \psi_{23} \cdot Q_{k3} + \dots$$

Combinazione quasi permanente SLE

$$G_1 + G_2 + P + \psi_{21} \cdot Q_{k1} + \psi_{22} \cdot Q_{k2} + \psi_{23} \cdot Q_{k3} + \dots$$

Combinazione sismica, impiegata per gli stati limite ultimi e di esercizio connessi all'azione sismica E

$$E + G_1 + G_2 + P + \psi_{21} \cdot Q_{k1} + \psi_{22} \cdot Q_{k2} + \dots$$

Combinazione eccezionale, impiegata per gli stati limite connessi alle azioni eccezionali

$$G_1 + G_2 + A_d + P + \psi_{21} \cdot Q_{k1} + \psi_{22} \cdot Q_{k2} + \dots$$

Dove:

NTC 2018 Tabella 2.5.I

Destinazione d'uso/azione	ψ_0	ψ_1	ψ_2
Categoria A residenziali	0,70	0,50	0,30
Categoria B uffici	0,70	0,50	0,30
Categoria C ambienti suscettibili di affollamento	0,70	0,70	0,60
Categoria D ambienti ad uso commerciale	0,70	0,70	0,60
Categoria E biblioteche, archivi, magazzini, ...	1,00	0,90	0,80
Categoria F Rimesse e parcheggi (autoveicoli $\leq 30kN$)	0,70	0,70	0,60
Categoria G Rimesse e parcheggi (autoveicoli $> 30kN$)	0,70	0,50	0,30
Categoria H Coperture	0,00	0,00	0,00
Vento	0,60	0,20	0,00
Neve a quota $\leq 1000 m$	0,50	0,20	0,00
Neve a quota $> 1000 m$	0,70	0,50	0,20
Variazioni Termiche	0,60	0,50	0,00

Nelle verifiche possono essere adottati in alternativa due diversi approcci progettuali:

- per l'approccio 1 si considerano due diverse combinazioni di gruppi di coefficienti di sicurezza parziali per le azioni, per i materiali e per la resistenza globale (combinazione 1 con coefficienti A1 e combinazione 2 con coefficienti A2),
- per l'approccio 2 si definisce un'unica combinazione per le azioni, per la resistenza dei materiali e per la resistenza globale (con coefficienti A1).

NTC 2018 Tabella 2.6.I

	Coefficiente	EQU	A1	A2

		γ			
<i>Carichi permanenti</i>	<i>Favorevoli</i>	γ_{G1}	<i>0,9</i>	<i>1,0</i>	<i>1,0</i>
	<i>Sfavorevoli</i>		<i>1,1</i>	<i>1,3</i>	<i>1,0</i>
<i>Carichi permanenti non strutturali</i> <i>(Non compiutamente definiti)</i>	<i>Favorevoli</i>	γ_{G2}	<i>0,8</i>	<i>0,8</i>	<i>0,8</i>
	<i>Sfavorevoli</i>		<i>1,5</i>	<i>1,5</i>	<i>1,3</i>
<i>Carichi variabili</i>	<i>Favorevoli</i>	γ_{Qi}	<i>0,0</i>	<i>0,0</i>	<i>0,0</i>
	<i>Sfavorevoli</i>		<i>1,5</i>	<i>1,5</i>	<i>1,3</i>

Cmb	Tipo	Sigla Id	effetto P-delta
1	SLU	Comb. SLU A1 1	
2	SLU	Comb. SLU A1 2	
3	SLU	Comb. SLU A1 3	
4	SLU	Comb. SLU A1 4	
5	SLU	Comb. SLU A1 5	
6	SLU	Comb. SLU A1 6	
7	SLU	Comb. SLU A1 7	
8	SLU	Comb. SLU A1 8	
9	SLU	Comb. SLU A1 9	
10	SLU	Comb. SLU A1 10	
11	SLU	Comb. SLU A1 11	
12	SLU	Comb. SLU A1 12	
13	SLU	Comb. SLU A1 13	
14	SLU	Comb. SLU A1 14	
15	SLU	Comb. SLU A1 15	
16	SLU	Comb. SLU A1 16	
17	SLU	Comb. SLU A1 17	
18	SLU	Comb. SLU A1 18	
19	SLU	Comb. SLU A1 19	
20	SLU	Comb. SLU A1 20	
21	SLU	Comb. SLU A1 21	
22	SLU	Comb. SLU A1 22	
23	SLU	Comb. SLU A1 (SLV sism.) 23	
24	SLU	Comb. SLU A1 (SLV sism.) 24	
25	SLU	Comb. SLU A1 (SLV sism.) 25	
26	SLU	Comb. SLU A1 (SLV sism.) 26	
27	SLU	Comb. SLU A1 (SLV sism.) 27	
28	SLU	Comb. SLU A1 (SLV sism.) 28	
29	SLU	Comb. SLU A1 (SLV sism.) 29	
30	SLU	Comb. SLU A1 (SLV sism.) 30	
31	SLU	Comb. SLU A1 (SLV sism.) 31	
32	SLU	Comb. SLU A1 (SLV sism.) 32	
33	SLU	Comb. SLU A1 (SLV sism.) 33	
34	SLU	Comb. SLU A1 (SLV sism.) 34	
35	SLU	Comb. SLU A1 (SLV sism.) 35	
36	SLU	Comb. SLU A1 (SLV sism.) 36	
37	SLU	Comb. SLU A1 (SLV sism.) 37	
38	SLU	Comb. SLU A1 (SLV sism.) 38	
39	SLU	Comb. SLU A1 (SLV sism.) 39	
40	SLU	Comb. SLU A1 (SLV sism.) 40	
41	SLU	Comb. SLU A1 (SLV sism.) 41	
42	SLU	Comb. SLU A1 (SLV sism.) 42	
43	SLU	Comb. SLU A1 (SLV sism.) 43	
44	SLU	Comb. SLU A1 (SLV sism.) 44	
45	SLU	Comb. SLU A1 (SLV sism.) 45	
46	SLU	Comb. SLU A1 (SLV sism.) 46	
47	SLU	Comb. SLU A1 (SLV sism.) 47	
48	SLU	Comb. SLU A1 (SLV sism.) 48	
49	SLU	Comb. SLU A1 (SLV sism.) 49	
50	SLU	Comb. SLU A1 (SLV sism.) 50	
51	SLU	Comb. SLU A1 (SLV sism.) 51	
52	SLU	Comb. SLU A1 (SLV sism.) 52	
53	SLU	Comb. SLU A1 (SLV sism.) 53	
54	SLU	Comb. SLU A1 (SLV sism.) 54	
55	SLE(sis)	Comb. SLE (SLD Danno sism.) 55	
56	SLE(sis)	Comb. SLE (SLD Danno sism.) 56	

Cmb	Tipo	Sigla Id	effetto P-delta
57	SLE(sis)	Comb. SLE (SLD Danno sism.) 57	
58	SLE(sis)	Comb. SLE (SLD Danno sism.) 58	
59	SLE(sis)	Comb. SLE (SLD Danno sism.) 59	
60	SLE(sis)	Comb. SLE (SLD Danno sism.) 60	
61	SLE(sis)	Comb. SLE (SLD Danno sism.) 61	
62	SLE(sis)	Comb. SLE (SLD Danno sism.) 62	
63	SLE(sis)	Comb. SLE (SLD Danno sism.) 63	
64	SLE(sis)	Comb. SLE (SLD Danno sism.) 64	
65	SLE(sis)	Comb. SLE (SLD Danno sism.) 65	
66	SLE(sis)	Comb. SLE (SLD Danno sism.) 66	
67	SLE(sis)	Comb. SLE (SLD Danno sism.) 67	
68	SLE(sis)	Comb. SLE (SLD Danno sism.) 68	
69	SLE(sis)	Comb. SLE (SLD Danno sism.) 69	
70	SLE(sis)	Comb. SLE (SLD Danno sism.) 70	
71	SLE(sis)	Comb. SLE (SLD Danno sism.) 71	
72	SLE(sis)	Comb. SLE (SLD Danno sism.) 72	
73	SLE(sis)	Comb. SLE (SLD Danno sism.) 73	
74	SLE(sis)	Comb. SLE (SLD Danno sism.) 74	
75	SLE(sis)	Comb. SLE (SLD Danno sism.) 75	
76	SLE(sis)	Comb. SLE (SLD Danno sism.) 76	
77	SLE(sis)	Comb. SLE (SLD Danno sism.) 77	
78	SLE(sis)	Comb. SLE (SLD Danno sism.) 78	
79	SLE(sis)	Comb. SLE (SLD Danno sism.) 79	
80	SLE(sis)	Comb. SLE (SLD Danno sism.) 80	
81	SLE(sis)	Comb. SLE (SLD Danno sism.) 81	
82	SLE(sis)	Comb. SLE (SLD Danno sism.) 82	
83	SLE(sis)	Comb. SLE (SLD Danno sism.) 83	
84	SLE(sis)	Comb. SLE (SLD Danno sism.) 84	
85	SLE(sis)	Comb. SLE (SLD Danno sism.) 85	
86	SLE(sis)	Comb. SLE (SLD Danno sism.) 86	
87	SLE(r)	Comb. SLE(rara) 87	
88	SLE(r)	Comb. SLE(rara) 88	
89	SLE(r)	Comb. SLE(rara) 89	
90	SLE(r)	Comb. SLE(rara) 90	
91	SLE(r)	Comb. SLE(rara) 91	
92	SLE(r)	Comb. SLE(rara) 92	
93	SLE(r)	Comb. SLE(rara) 93	
94	SLE(r)	Comb. SLE(rara) 94	
95	SLE(r)	Comb. SLE(rara) 95	
96	SLE(r)	Comb. SLE(rara) 96	
97	SLE(r)	Comb. SLE(rara) 97	
98	SLE(f)	Comb. SLE(freq.) 98	
99	SLE(f)	Comb. SLE(freq.) 99	
100	SLE(f)	Comb. SLE(freq.) 100	
101	SLE(f)	Comb. SLE(freq.) 101	
102	SLE(f)	Comb. SLE(freq.) 102	
103	SLE(f)	Comb. SLE(freq.) 103	
104	SLE(f)	Comb. SLE(freq.) 104	
105	SLE(p)	Comb. SLE(perm.) 105	
106	SLE(p)	Comb. SLE(perm.) 106	

Cmb	CDC 1/15...	CDC 2/16...	CDC 3/17...	CDC 4/18...	CDC 5/19...	CDC 6/20...	CDC 7/21...	CDC 8/22...	CDC 9/23...	CDC 10/24...	CDC 11/25...	CDC 12/26...	CDC 13/27...	CDC 14/28...
1	1.30	1.30	1.50	1.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1.30	0.90												
2	1.30	1.30	1.50	1.50	0.0	0.75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1.30	0.90												
3	1.30	1.30	1.50	1.50	1.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1.30	0.90												
4	1.30	1.30	1.50	1.50	1.50	0.75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1.30	0.90												
5	1.00	1.00	0.80	0.80	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1.00	0.90												
6	1.00	1.00	0.80	0.80	0.0	0.75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1.00	0.90												
7	1.00	1.00	0.80	0.80	1.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1.00	0.90												
8	1.00	1.00	0.80	0.80	1.50	0.75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1.00	0.90												
9	1.30	1.30	1.50	1.50	0.0	1.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1.30	0.90												

Cmb	CDC 1/15...	CDC 2/16...	CDC 3/17...	CDC 4/18...	CDC 5/19...	CDC 6/20...	CDC 7/21...	CDC 8/22...	CDC 9/23...	CDC 10/24...	CDC 11/25...	CDC 12/26...	CDC 13/27...	CDC 14/28...
10	1.30	1.30	1.50	1.50	1.05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1.30	0.90												
11	1.30	1.30	1.50	1.50	1.05	1.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1.30	0.90												
12	1.00	1.00	0.80	0.80	0.0	1.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1.00	0.90												
13	1.00	1.00	0.80	0.80	1.05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1.00	0.90												
14	1.00	1.00	0.80	0.80	1.05	1.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1.00	0.90												
15	1.30	1.30	1.50	1.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1.30	1.50												
16	1.30	1.30	1.50	1.50	0.0	0.75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1.30	1.50												
17	1.30	1.30	1.50	1.50	1.05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1.30	1.50												
18	1.30	1.30	1.50	1.50	1.05	0.75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1.30	1.50												
19	1.00	1.00	0.80	0.80	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1.00	1.50												
20	1.00	1.00	0.80	0.80	0.0	0.75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1.00	1.50												
21	1.00	1.00	0.80	0.80	1.05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1.00	1.50												
22	1.00	1.00	0.80	0.80	1.05	0.75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1.00	1.50												
23	1.00	1.00	1.00	1.00	0.30	0.0	-1.00	0.0	-0.30	0.0	0.0	0.0	0.0	0.0
	1.00	0.0												
24	1.00	1.00	1.00	1.00	0.30	0.0	-1.00	0.0	0.30	0.0	0.0	0.0	0.0	0.0
	1.00	0.0												
25	1.00	1.00	1.00	1.00	0.30	0.0	1.00	0.0	-0.30	0.0	0.0	0.0	0.0	0.0
	1.00	0.0												
26	1.00	1.00	1.00	1.00	0.30	0.0	1.00	0.0	0.30	0.0	0.0	0.0	0.0	0.0
	1.00	0.0												
27	1.00	1.00	1.00	1.00	0.30	0.0	-1.00	0.0	0.0	-0.30	0.0	0.0	0.0	0.0
	1.00	0.0												
28	1.00	1.00	1.00	1.00	0.30	0.0	-1.00	0.0	0.0	0.30	0.0	0.0	0.0	0.0
	1.00	0.0												
29	1.00	1.00	1.00	1.00	0.30	0.0	1.00	0.0	0.0	-0.30	0.0	0.0	0.0	0.0
	1.00	0.0												
30	1.00	1.00	1.00	1.00	0.30	0.0	1.00	0.0	0.0	0.30	0.0	0.0	0.0	0.0
	1.00	0.0												
31	1.00	1.00	1.00	1.00	0.30	0.0	0.0	-1.00	-0.30	0.0	0.0	0.0	0.0	0.0
	1.00	0.0												
32	1.00	1.00	1.00	1.00	0.30	0.0	0.0	-1.00	0.30	0.0	0.0	0.0	0.0	0.0
	1.00	0.0												
33	1.00	1.00	1.00	1.00	0.30	0.0	0.0	1.00	-0.30	0.0	0.0	0.0	0.0	0.0
	1.00	0.0												
34	1.00	1.00	1.00	1.00	0.30	0.0	0.0	1.00	0.30	0.0	0.0	0.0	0.0	0.0
	1.00	0.0												
35	1.00	1.00	1.00	1.00	0.30	0.0	0.0	-1.00	0.0	-0.30	0.0	0.0	0.0	0.0
	1.00	0.0												
36	1.00	1.00	1.00	1.00	0.30	0.0	0.0	-1.00	0.0	0.30	0.0	0.0	0.0	0.0
	1.00	0.0												
37	1.00	1.00	1.00	1.00	0.30	0.0	0.0	1.00	0.0	-0.30	0.0	0.0	0.0	0.0
	1.00	0.0												
38	1.00	1.00	1.00	1.00	0.30	0.0	0.0	1.00	0.0	0.30	0.0	0.0	0.0	0.0
	1.00	0.0												
39	1.00	1.00	1.00	1.00	0.30	0.0	-0.30	0.0	-1.00	0.0	0.0	0.0	0.0	0.0
	1.00	0.0												
40	1.00	1.00	1.00	1.00	0.30	0.0	-0.30	0.0	1.00	0.0	0.0	0.0	0.0	0.0
	1.00	0.0												
41	1.00	1.00	1.00	1.00	0.30	0.0	0.30	0.0	-1.00	0.0	0.0	0.0	0.0	0.0
	1.00	0.0												
42	1.00	1.00	1.00	1.00	0.30	0.0	0.30	0.0	1.00	0.0	0.0	0.0	0.0	0.0
	1.00	0.0												
43	1.00	1.00	1.00	1.00	0.30	0.0	0.0	-0.30	-1.00	0.0	0.0	0.0	0.0	0.0
	1.00	0.0												
44	1.00	1.00	1.00	1.00	0.30	0.0	0.0	-0.30	1.00	0.0	0.0	0.0	0.0	0.0
	1.00	0.0												
45	1.00	1.00	1.00	1.00	0.30	0.0	0.0	0.30	-1.00	0.0	0.0	0.0	0.0	0.0
	1.00	0.0												
46	1.00	1.00	1.00	1.00	0.30	0.0	0.0	0.30	1.00	0.0	0.0	0.0	0.0	0.0

Cmb	CDC 1/15...	CDC 2/16...	CDC 3/17...	CDC 4/18...	CDC 5/19...	CDC 6/20...	CDC 7/21...	CDC 8/22...	CDC 9/23...	CDC 10/24...	CDC 11/25...	CDC 12/26...	CDC 13/27...	CDC 14/28...
	1.00	0.0												
47	1.00	1.00	1.00	1.00	0.30	0.0	-0.30	0.0	0.0	-1.00	0.0	0.0	0.0	0.0
	1.00	0.0												
48	1.00	1.00	1.00	1.00	0.30	0.0	-0.30	0.0	0.0	1.00	0.0	0.0	0.0	0.0
	1.00	0.0												
49	1.00	1.00	1.00	1.00	0.30	0.0	0.30	0.0	0.0	-1.00	0.0	0.0	0.0	0.0
	1.00	0.0												
50	1.00	1.00	1.00	1.00	0.30	0.0	0.30	0.0	0.0	1.00	0.0	0.0	0.0	0.0
	1.00	0.0												
51	1.00	1.00	1.00	1.00	0.30	0.0	0.0	-0.30	0.0	-1.00	0.0	0.0	0.0	0.0
	1.00	0.0												
52	1.00	1.00	1.00	1.00	0.30	0.0	0.0	-0.30	0.0	1.00	0.0	0.0	0.0	0.0
	1.00	0.0												
53	1.00	1.00	1.00	1.00	0.30	0.0	0.0	0.30	0.0	-1.00	0.0	0.0	0.0	0.0
	1.00	0.0												
54	1.00	1.00	1.00	1.00	0.30	0.0	0.0	0.30	0.0	1.00	0.0	0.0	0.0	0.0
	1.00	0.0												
55	1.00	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	-1.00	0.0	-0.30	0.0
	1.00	0.0												
56	1.00	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	-1.00	0.0	0.30	0.0
	1.00	0.0												
57	1.00	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	1.00	0.0	-0.30	0.0
	1.00	0.0												
58	1.00	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.30	0.0
	1.00	0.0												
59	1.00	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	-1.00	0.0	0.0	-0.30
	1.00	0.0												
60	1.00	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	-1.00	0.0	0.0	0.30
	1.00	0.0												
61	1.00	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	-0.30
	1.00	0.0												
62	1.00	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.30
	1.00	0.0												
63	1.00	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	-1.00	-0.30	0.0
	1.00	0.0												
64	1.00	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	-1.00	0.30	0.0
	1.00	0.0												
65	1.00	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	1.00	-0.30	0.0
	1.00	0.0												
66	1.00	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.30	0.0
	1.00	0.0												
67	1.00	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	-1.00	0.0	-0.30
	1.00	0.0												
68	1.00	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	-1.00	0.0	0.30
	1.00	0.0												
69	1.00	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	-0.30
	1.00	0.0												
70	1.00	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.30
	1.00	0.0												
71	1.00	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	-0.30	0.0	-1.00	0.0
	1.00	0.0												
72	1.00	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	-0.30	0.0	1.00	0.0
	1.00	0.0												
73	1.00	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.30	0.0	-1.00	0.0
	1.00	0.0												
74	1.00	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.30	0.0	1.00	0.0
	1.00	0.0												
75	1.00	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	-0.30	-1.00	0.0
	1.00	0.0												
76	1.00	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	-0.30	1.00	0.0
	1.00	0.0												
77	1.00	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.30	-1.00	0.0
	1.00	0.0												
78	1.00	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.30	1.00	0.0
	1.00	0.0												
79	1.00	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	-0.30	0.0	0.0	-1.00
	1.00	0.0												
80	1.00	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	-0.30	0.0	0.0	1.00
	1.00	0.0												
81	1.00	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.30	0.0	0.0	-1.00
	1.00	0.0												
82	1.00	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.30	0.0	0.0	1.00
	1.00	0.0												

Cmb	CDC 1/15...	CDC 2/16...	CDC 3/17...	CDC 4/18...	CDC 5/19...	CDC 6/20...	CDC 7/21...	CDC 8/22...	CDC 9/23...	CDC 10/24...	CDC 11/25...	CDC 12/26...	CDC 13/27...	CDC 14/28...
83	1.00	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	-0.30	0.0	-1.00
	1.00	0.0												
84	1.00	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	-0.30	0.0	1.00
	1.00	0.0												
85	1.00	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.30	0.0	-1.00
	1.00	0.0												
86	1.00	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.30	0.0	1.00
	1.00	0.0												
87	1.00	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1.00	0.60												
88	1.00	1.00	1.00	1.00	0.0	0.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1.00	0.60												
89	1.00	1.00	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1.00	0.60												
90	1.00	1.00	1.00	1.00	1.00	0.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1.00	0.60												
91	1.00	1.00	1.00	1.00	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1.00	0.60												
92	1.00	1.00	1.00	1.00	0.70	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1.00	0.60												
93	1.00	1.00	1.00	1.00	0.70	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1.00	0.60												
94	1.00	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1.00	1.00												
95	1.00	1.00	1.00	1.00	0.0	0.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1.00	1.00												
96	1.00	1.00	1.00	1.00	0.70	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1.00	1.00												
97	1.00	1.00	1.00	1.00	0.70	0.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1.00	1.00												
98	1.00	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1.00	0.0												
99	1.00	1.00	1.00	1.00	0.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1.00	0.0												
100	1.00	1.00	1.00	1.00	0.0	0.20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1.00	0.0												
101	1.00	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1.00	0.0												
102	1.00	1.00	1.00	1.00	0.30	0.20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1.00	0.0												
103	1.00	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1.00	0.20												
104	1.00	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1.00	0.20												
105	1.00	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1.00	0.0												
106	1.00	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1.00	0.0												

AZIONE SISMICA

VALUTAZIONE DELL' AZIONE SISMICA

L'azione sismica sulle costruzioni è valutata a partire dalla "pericolosità sismica di base", in condizioni ideali di sito di riferimento rigido con superficie topografica orizzontale.

Allo stato attuale, la pericolosità sismica su reticolo di riferimento nell'intervallo di riferimento è fornita dai dati pubblicati sul sito <http://esse1.mi.ingv.it/>. Per punti non coincidenti con il reticolo di riferimento e periodi di ritorno non contemplati direttamente si opera come indicato nell' allegato alle NTC (rispettivamente media pesata e interpolazione).

L' azione sismica viene definita in relazione ad un periodo di riferimento V_r che si ricava, per ciascun tipo di costruzione, moltiplicandone la vita nominale per il coefficiente d'uso (vedi tabella Parametri della struttura). Fissato il periodo di riferimento V_r e la probabilità di superamento P_{ver} associata a ciascuno degli stati limite considerati, si ottiene il periodo di ritorno T_r e i relativi parametri di pericolosità sismica (vedi tabella successiva):

a_g : accelerazione orizzontale massima del terreno;

F_o : valore massimo del fattore di amplificazione dello spettro in accelerazione orizzontale;

T^*c : periodo di inizio del tratto a velocità costante dello spettro in accelerazione orizzontale;

Parametri della struttura					
Classe d'uso	Vita V_n [anni]	Coeff. Uso	Periodo V_r [anni]	Tipo di suolo	Categoria topografica
III	50.0	1.5	75.0	C	T1

Individuati su reticolo di riferimento i parametri di pericolosità sismica si valutano i parametri spettrali riportati in tabella:

S è il coefficiente che tiene conto della categoria di sottosuolo e delle condizioni topografiche mediante la relazione seguente $S = S_s \cdot S_t$ (3.2.3)

F_o è il fattore che quantifica l'amplificazione spettrale massima, su sito di riferimento rigido orizzontale

F_v è il fattore che quantifica l'amplificazione spettrale massima verticale, in termini di accelerazione orizzontale massima del terreno a_g su sito di riferimento rigido orizzontale

T_b è il periodo corrispondente all'inizio del tratto dello spettro ad accelerazione costante.

T_c è il periodo corrispondente all'inizio del tratto dello spettro a velocità costante.

T_d è il periodo corrispondente all'inizio del tratto dello spettro a spostamento costante.

Lo spettro di risposta elastico in accelerazione della componente orizzontale del moto sismico, S_e , è definito dalle seguenti espressioni:

$$\begin{aligned} 0 \leq T < T_b & \quad S_e(T) = a_g \cdot S \cdot \eta \cdot F_o \cdot \left[\frac{T}{T_b} + \frac{1}{\eta \cdot F_o} \left(1 - \frac{T}{T_b} \right) \right] \\ T_b \leq T < T_c & \quad S_e(T) = a_g \cdot S \cdot \eta \cdot F_o \\ T_c \leq T < T_d & \quad S_e(T) = a_g \cdot S \cdot \eta \cdot F_o \cdot \left(\frac{T_c}{T} \right) \\ T_d \leq T & \quad S_e(T) = a_g \cdot S \cdot \eta \cdot F_o \cdot \left(\frac{T_c \cdot T_d}{T^2} \right) \end{aligned}$$

Dove per sottosuolo di categoria **A** i coefficienti S_s e C_c valgono 1; mentre per le categorie di sottosuolo B, C, D, E i coefficienti S_s e C_c vengono calcolati mediante le espressioni riportate nella seguente Tabella

Categoria sottosuolo	S_s	C_c
A	1,00	1,00
B	$1,00 \leq 1,40 - 0,40 \cdot F_o \cdot \frac{a_g}{g} \leq 1,20$	$1,10 \cdot (T_c^*)^{-0,20}$
C	$1,00 \leq 1,70 - 0,60 \cdot F_o \cdot \frac{a_g}{g} \leq 1,50$	$1,05 \cdot (T_c^*)^{-0,33}$
D	$0,90 \leq 2,40 - 1,50 \cdot F_o \cdot \frac{a_g}{g} \leq 1,80$	$1,25 \cdot (T_c^*)^{-0,50}$
E	$1,00 \leq 2,00 - 1,10 \cdot F_o \cdot \frac{a_g}{g} \leq 1,60$	$1,15 \cdot (T_c^*)^{-0,40}$

Per tenere conto delle condizioni topografiche e in assenza di specifiche analisi di risposta sismica locale, si utilizzano i valori del coefficiente topografico S_T riportati nella seguente Tabella

Categoria topografica	Ubicazione dell'opera o dell'intervento	S_T
T1	-	1,0
T2	In corrispondenza della sommità del pendio	1,2
T3	In corrispondenza della cresta di un rilievo con pendenza media minore o uguale a 30°	1,2
T4	In corrispondenza della cresta di un rilievo con pendenza media maggiore di 30°	1,4

Lo spettro di risposta elastico in accelerazione della componente verticale del moto sismico, S_{ve} , è definito dalle espressioni:

$$\begin{aligned}
 0 \leq T < T_B & \quad S_{ve}(T) = a_g \cdot S \cdot \eta \cdot F_v \cdot \left[\frac{T}{T_B} + \frac{1}{\eta \cdot F_o} \left(1 - \frac{T}{T_B} \right) \right] \\
 T_B \leq T < T_C & \quad S_{ve}(T) = a_g \cdot S \cdot \eta \cdot F_v \\
 T_C \leq T < T_D & \quad S_{ve}(T) = a_g \cdot S \cdot \eta \cdot F_v \cdot \left(\frac{T_C}{T} \right) \\
 T_D \leq T & \quad S_{ve}(T) = a_g \cdot S \cdot \eta \cdot F_v \cdot \left(\frac{T_C \cdot T_D}{T^2} \right)
 \end{aligned}$$

I valori di S_s , T_B , T_C e T_D , sono riportati nella seguente Tabella

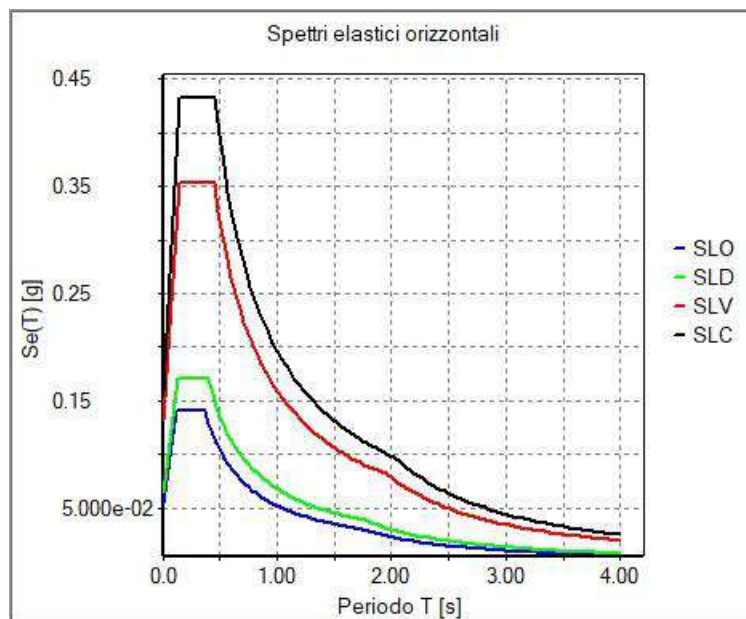
Categoria di sottosuolo	S_s	T_B	T_C	T_D
A, B, C, D, E	1,0	0,05 s	0,15 s	1,0 s

Id nodo	Longitudine	Latitudine	Distanza
			Km
Loc.	10.611	43.160	
22713	10.611	43.149	1.336
22714	10.680	43.151	5.634
22492	10.678	43.201	6.969
22491	10.609	43.199	4.240

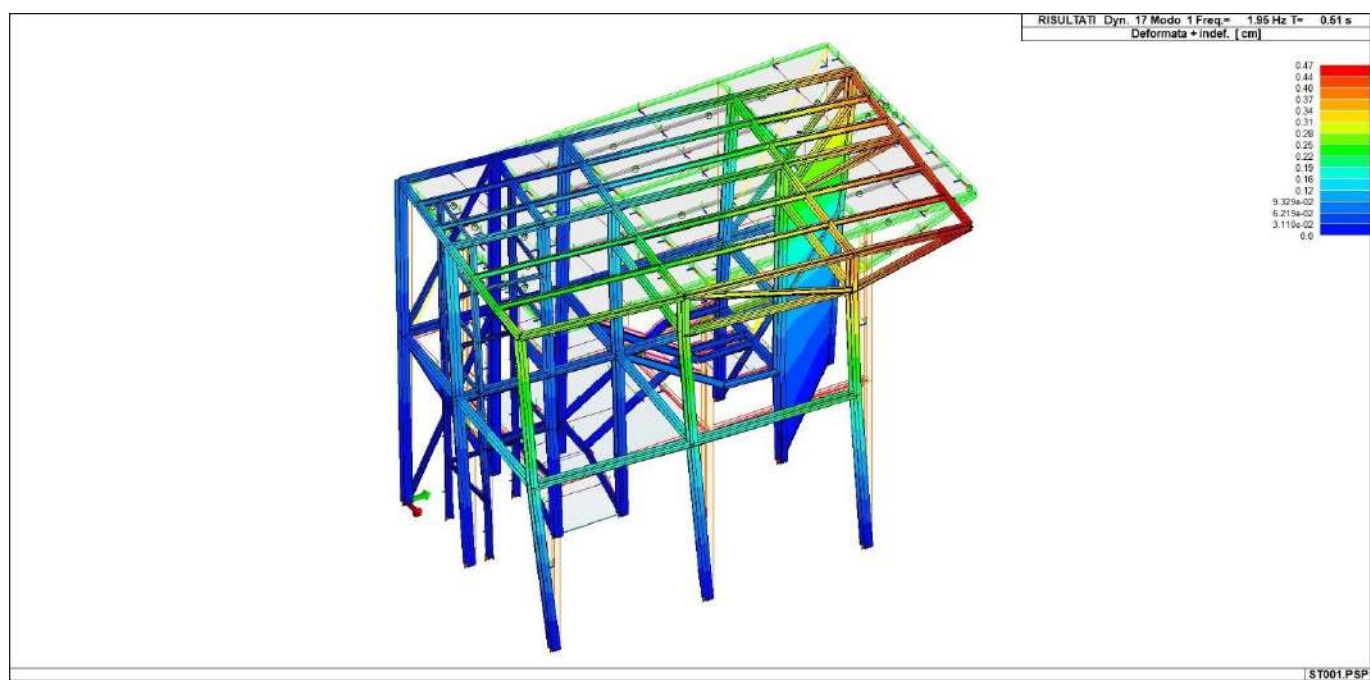
SL	Pver	Tr	ag	Fo	T*c
		Anni	g		sec
SLO	81.0	45.2	0.036	2.600	0.211
SLD	63.0	75.4	0.043	2.616	0.237
SLV	10.0	711.8	0.088	2.689	0.283
SLC	5.0	1462.2	0.106	2.719	0.288

SL	ag	S	Fo	Fv	Tb	Tc	Td
	g				sec	sec	sec
SLO	0.036	1.500	2.600	0.668	0.123	0.370	1.745
SLD	0.043	1.500	2.616	0.736	0.133	0.400	1.774
SLV	0.088	1.500	2.689	1.075	0.150	0.451	1.951
SLC	0.106	1.500	2.719	1.196	0.152	0.456	2.024

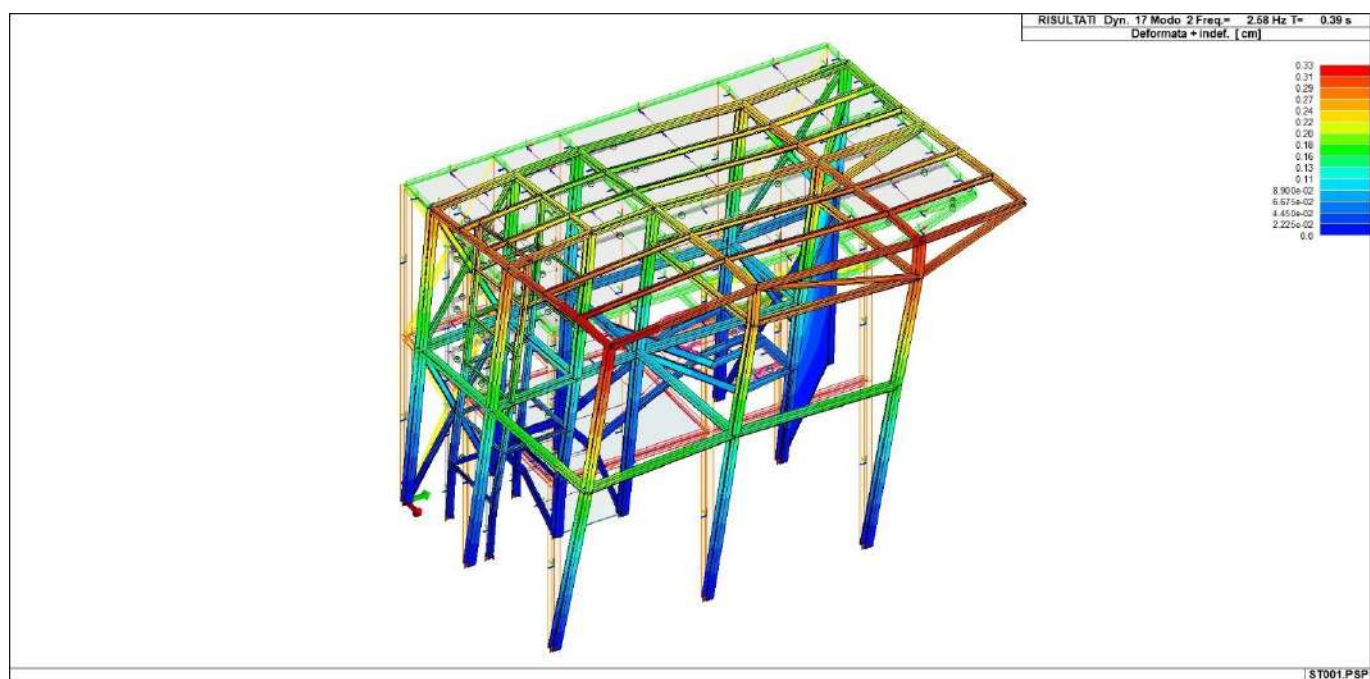
Modo	Frequenza	Periodo	X M efficace x g	%	Y M efficace x g	%	Z M efficace x g	%	RZ M efficace x g	%
	1/sec	sec	daN		daN		daN		daN m2	
1	1.95	0.51	4210.3	13	7714.2	25	0.3	0	69.0	86
2	2.58	0.39	1.726e+04	57	4991.4	16	1.6	0	1.6	2
3	3.30	0.30	3129.0	10	3780.0	12	3.3	0	0.2	0
4	4.55	0.22	69.7	0	30.8	0	0.5	0	0.1	0
5	4.69	0.21	71.5	0	1.4	0	0.4	0	8.40e-02	0
6	4.80	0.21	661.6	2	54.0	0	3.6	0	0.9	1



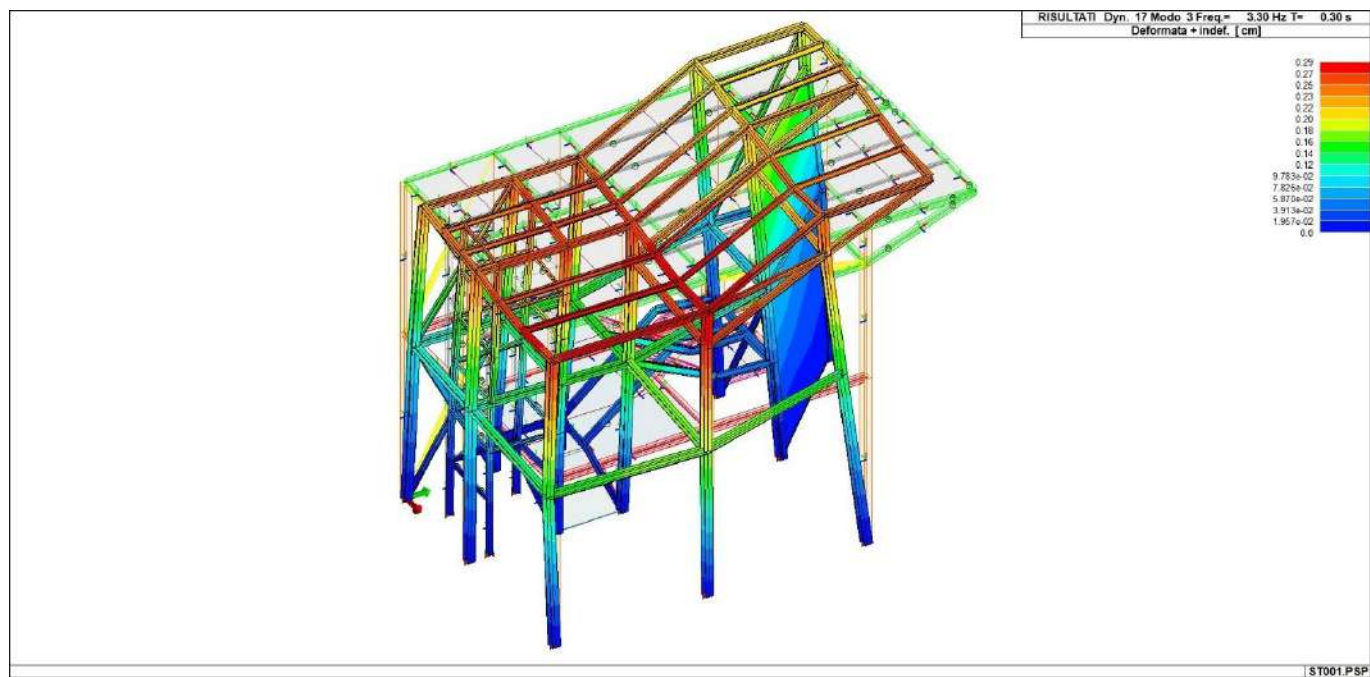
24_DIA_SPETTRI_ELASTICI_O



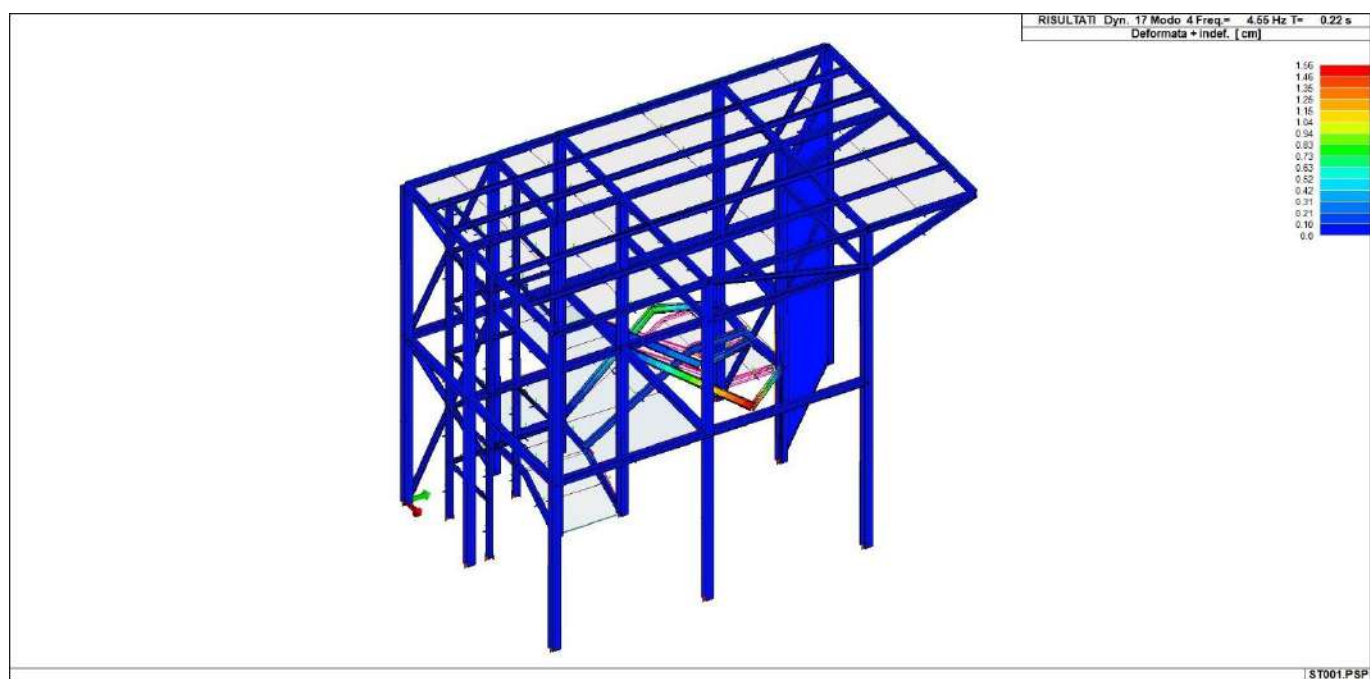
24_INPSIS_001_FORME MODALI



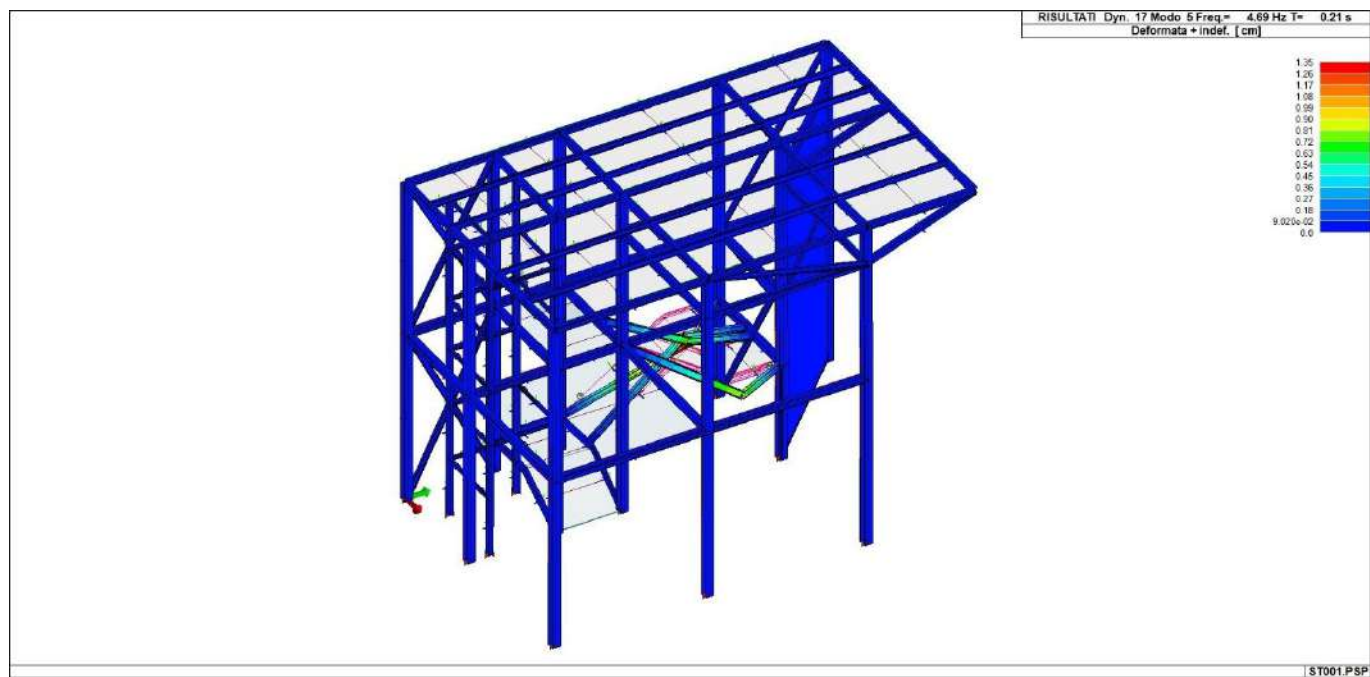
24_INPSIS_002_FORME MODALI



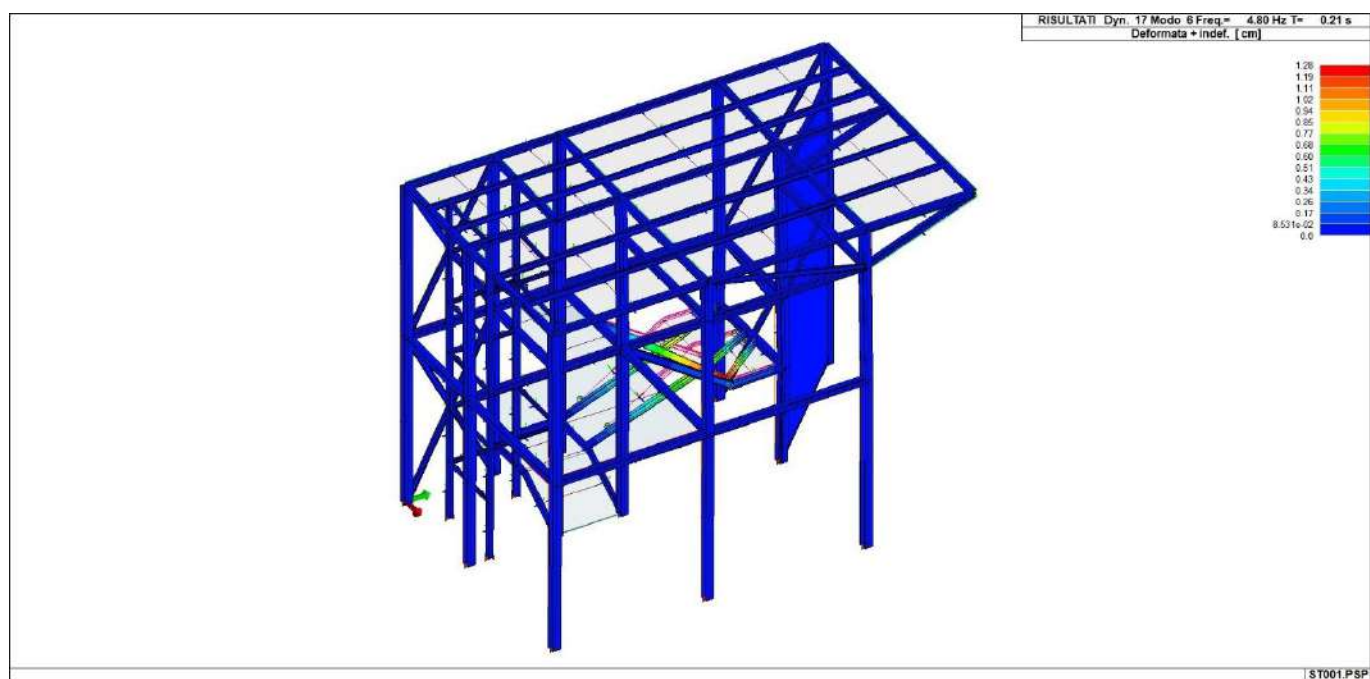
24_INPSIS_003_FORME MODALI



24_INPSIS_004_FORME MODALI



24_INPSIS_005_FORME MODALI



24_INPSIS_006_FORME MODALI

RISULTATI ANALISI SISMICHE

LEGENDA TABELLA ANALISI SISMICHE

Il programma consente l'analisi di diverse configurazioni sismiche.

Sono previsti, infatti, i seguenti casi di carico:

9. Esk caso di carico sismico con analisi statica equivalente

10. Edk caso di carico sismico con analisi dinamica

Ciascun caso di carico è caratterizzato da un angolo di ingresso e da una configurazione di masse determinante la forza sismica complessiva (si rimanda al capitolo relativo ai casi di carico per chiarimenti inerenti questo aspetto).

Nella colonna Note, in funzione della norma in uso sono riportati i parametri fondamentali che caratterizzano l'azione sismica: in particolare possono essere presenti i seguenti valori:

Angolo di ingresso	di	Angolo di ingresso dell'azione sismica orizzontale
Fattore di importanza	di	Fattore di importanza dell'edificio, in base alla categoria di appartenenza
Zona sismica		Zona sismica
Accelerazione	ag	Accelerazione orizzontale massima sul suolo
Categoria suolo		Categoria di profilo stratigrafico del suolo di fondazione
Fattore q		Fattore di struttura/di comportamento. Dipendente dalla tipologia strutturale
Amplificazione ND		Coefficiente di amplificazione q/q_{ND} delle azioni sismiche (solo per elementi progettati in campo non dissipativo)
Fattore di sito S		Fattore dipendente dalla stratigrafia e dal profilo topografico
Classe di duttilità CD		Classe di duttilità della struttura – "A" duttilità alta, "B" duttilità bassa
Fattore di riduzione SLD	riduz.	Fattore di riduzione dello spettro elastico per lo stato limite di danno
Periodo proprio T1	proprio	Periodo proprio di vibrazione della struttura
Coefficiente Lambda		Coefficiente dipendente dal periodo proprio T1 e dal numero di piani della struttura
Ordinata spettro Sd(T1)	spettro	Valore delle ordinate dello spettro di progetto per lo stato limite ultimo, componente orizzontale (verticale Svd)
Ordinata spettro Se(T1)	spettro	Valore delle ordinate dello spettro elastico ridotta del fattore SLD per lo stato limite di danno, componente orizzontale (verticale Sve)
Ordinata spettro S (Tb-Tc)	spettro	Valore dell'ordinata dello spettro in uso nel tratto costante
N° di modi considerati	modi	Numero di modi di vibrare della struttura considerati nell'analisi dinamica

Nel caso di elementi progettati in campo non dissipativo vengono adottate le sollecitazioni calcolate con un fattore q_{ND} ricavato come da 7.3.2 in funzione del fattore di comportamento q utilizzato per la struttura: $1 < q_{ND} = 2/3 * q < 1.5$

Il coefficiente di amplificazione delle azioni sismiche rispetto alle azioni calcolate con il fattore di comportamento globale viene indicato nelle relative tabelle.

Per ciascun caso di carico sismico viene riportato l'insieme di dati sotto riportati (le masse sono espresse in unità di

forza):

- a) analisi sismica statica equivalente:
 - quota, posizione del centro di applicazione e azione orizzontale risultante, posizione del baricentro delle rigidezze, rapporto r/L_s (per strutture a nucleo), indici di regolarità e/r secondo EC8 4.2.3.2
 - azione sismica complessiva
- b) analisi sismica dinamica con spettro di risposta:
 - quota, posizione del centro di massa e massa risultante, posizione del baricentro delle rigidezze, rapporto r/L_s (per strutture a nucleo), indici di regolarità e/r secondo EC8 4.2.3.2
 - frequenza, periodo, accelerazione spettrale, massa eccitata nelle tre direzioni globali per tutti i modi
 - massa complessiva ed aliquota di massa complessiva eccitata.

Per ciascuna combinazione sismica definita SLD o SLO viene riportato il livello di deformazione ϵ_{dT} (dr) degli elementi strutturali verticali. Per semplicità di consultazione il livello è espresso anche in unità $1000 \cdot \epsilon_{dT}/h$ da confrontare direttamente con i valori forniti nella norma (es. 5 per tamponature fragili, 7.5 per tamponature duttili, 10.0 per edifici con tamponamenti collegati elasticamente, 2 per edifici in muratura ordinaria, 3 per edifici in muratura armata, 2.5 per edifici in muratura confinata).

Note:

- I valori riportati sono già amplificati per un eventuale fattore q_{SLD}
- Per SLO i valori devono essere inferiori ai $2/3$ dei limiti sopra citati

Per gli edifici sismicamente isolati si riportano di seguito le verifiche condotte sui dispositivi di isolamento. Le verifiche sono effettuate secondo la circolare n.7/2019 del C.S.LL.PP nelle combinazioni in SLC come previsto dal DM 17-01-2018. Per ogni combinazione è riportato il codice di verifica ed i valori utilizzati per la verifica: spostamento dE , area ridotta e dimensione A_2 , azione verticale, deformazioni di taglio dell'elastomero e tensioni nell'acciaio.

In particolare la tabella, per ogni combinazione di calcolo, riporta:

Nodo	Nodo di appoggio dell' isolatore
Cmb	Combinazione oggetto della verifica
Verif.	Codice di verifica ok – verifica positiva, NV – verifica negativa, ND – verifica non completata
dE	Spostamento relativo tra le due facce combinato con la regola del 30%
Ang fi	Angolo utilizzato per il calcolo dell' area ridotta A_r (per dispositivi circolari)
V	Azione verticale agente
A_r	Area ridotta efficace
Dim A_2	Dimensione utile per il calcolo della deformazione per rotazione
Sig s	Tensione nell' inserto in acciaio
Gam c(a,s,t)	Deformazioni di taglio dell' elastomero
Vcr	Carico critico per instabilità

Affinché la verifica sia positiva deve essere:

- 1) $V > 0$
- 2) $\text{Sig s} < f_{yk}$
- 3) $\text{Gam t} < 5$
- 4) $\text{Gam s} < \text{Gam}^*$ (caratteristica dell' elastomero)
- 5) $\text{Gam s} < 2$
- 6) $V < 0.5 V_{cr}$

CDC	Tipo	Sigla Id	Note
7	Edk	CDC=Ed (dinamico SLU) alfa=0.0 (ecc. +)	
			categoria suolo: C
			fattore di sito $S = 1.500$
			ordinata spettro (tratto T_b-T_c) = 0.354 g
			angolo di ingresso:0.0

CDC	Tipo	Sigla Id	Note
			eccentricità aggiuntiva: positiva
			periodo proprio T1: 0.391 s
			fattore q: 1.000
			amplificazione ND (non dissipativi): 1.000
			fattore per spost. μ d: 1.000
			classe di duttilità CD: B
			numero di modi considerati: 20
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
m	daN	m	m	m	m	m	m			
8.60	9826.50	3.09	5.21	0.0	-0.54	2.55	4.16	1.094	0.084	0.272
7.60	1704.36	3.27	7.66	0.0	-0.35	3.76	6.97	1.235	0.095	0.225
7.23	267.82	2.06	1.54	0.0	-0.09	2.41	1.89	1.323	0.256	0.423
5.87	249.60	2.00	1.55	0.0	-0.09	2.41	1.89	1.323	0.295	0.409
4.50	1.407e+04	3.16	3.51	0.0	-0.54	2.55	4.16	1.094	0.095	0.170
3.00	286.67	2.06	1.55	0.0	-0.09	2.41	1.89	1.323	0.253	0.418
2.59	1935.75	1.41	7.17	0.0	-0.07	1.40	8.05	0.844	0.004	1.055
1.50	256.97	2.06	1.53	0.0	-0.09	2.41	1.89	1.323	0.256	0.443
0.86	1527.52	0.66	3.08	0.0	-0.09	0.07	3.04	1.838	0.407	0.049
Risulta	3.012e+04									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	daN		daN		daN			
1	2.033	0.492	0.324	1575.55	5.2	9951.86	33.0	0.50	1.67e-03	0.0	0.0
2	2.555	0.391	0.354	2.203e+04	73.1	1852.63	6.2	0.71	2.35e-03	0.0	0.0
3	3.309	0.302	0.354	1050.93	3.5	4628.56	15.4	4.06	1.35e-02	0.0	0.0
4	4.378	0.228	0.354	63.74	0.2	29.00	9.63e-02	0.41	1.38e-03	0.0	0.0
5	4.515	0.221	0.354	55.97	0.2	2.32	7.72e-03	0.31	1.03e-03	0.0	0.0
6	4.631	0.216	0.354	659.43	2.2	76.84	0.3	3.34	1.11e-02	0.0	0.0
7	4.838	0.207	0.354	35.37	0.1	7.50	2.49e-02	0.25	8.15e-04	0.0	0.0
8	5.650	0.177	0.354	1.53	5.07e-03	423.53	1.4	19.58	6.50e-02	0.0	0.0
9	6.317	0.158	0.354	8.90	2.95e-02	489.00	1.6	7.90	2.62e-02	0.0	0.0
10	6.744	0.148	0.351	5.29	1.76e-02	5070.66	16.8	3.35	1.11e-02	0.0	0.0
11	8.146	0.123	0.313	2167.00	7.2	52.56	0.2	2.05	6.80e-03	0.0	0.0
12	8.689	0.115	0.302	86.46	0.3	2783.56	9.2	119.23	0.4	0.0	0.0
13	9.608	0.104	0.286	33.02	0.1	1478.62	4.9	712.67	2.4	0.0	0.0
14	10.052	0.099	0.279	0.36	1.20e-03	268.14	0.9	3.75e-03	1.24e-05	0.0	0.0
15	11.629	0.086	0.259	295.21	1.0	424.09	1.4	140.81	0.5	0.0	0.0
16	12.279	0.081	0.252	10.76	3.57e-02	7.32	2.43e-02	15.29	5.08e-02	0.0	0.0
17	12.572	0.080	0.249	275.05	0.9	55.12	0.2	2.45	8.12e-03	0.0	0.0
18	13.164	0.076	0.244	25.32	8.40e-02	1.18	3.91e-03	1.09	3.63e-03	0.0	0.0
19	13.650	0.073	0.240	8.03	2.67e-02	769.93	2.6	1.77	5.87e-03	0.0	0.0
20	14.438	0.069	0.234	15.00	4.98e-02	185.17	0.6	4.07	1.35e-02	0.0	0.0
Risulta				2.840e+04		2.856e+04		1039.84			
In percentuale				94.28		94.81		3.45			

CDC	Tipo	Sigla Id	Note
8	Edk	CDC=Ed (dinamico SLU) alfa=0.0 (ecc. -)	
			categoria suolo: C
			fattore di sito S = 1.500
			ordinata spettro (tratto Tb-Tc) = 0.354 g
			angolo di ingresso: 0.0
			eccentricità aggiuntiva: negativa
			periodo proprio T1: 0.384 s
			fattore q: 1.000
			amplificazione ND (non dissipativi): 1.000
			fattore per spost. μ d: 1.000
			classe di duttilità CD: B
			numero di modi considerati: 20
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
m	daN	m	m	m	m	m	m			
8.60	9826.50	3.09	5.21	0.0	0.54	2.55	4.16	1.094	0.084	0.272
7.60	1704.36	3.27	7.66	0.0	0.35	3.76	6.97	1.235	0.095	0.225
7.23	267.82	2.06	1.54	0.0	0.09	2.41	1.89	1.323	0.256	0.423
5.87	249.60	2.00	1.55	0.0	0.09	2.41	1.89	1.323	0.295	0.409
4.50	1.407e+04	3.16	3.51	0.0	0.54	2.55	4.16	1.094	0.095	0.170
3.00	286.67	2.06	1.55	0.0	0.09	2.41	1.89	1.323	0.253	0.418
2.59	1935.75	1.41	7.17	0.0	0.07	1.40	8.05	0.844	0.004	1.055
1.50	256.97	2.06	1.53	0.0	0.09	2.41	1.89	1.323	0.256	0.443
0.86	1527.52	0.66	3.08	0.0	0.09	0.07	3.04	1.838	0.407	0.049
Risulta	3.012e+04									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	daN		daN		daN			
1	1.869	0.535	0.298	6773.59	22.5	5937.08	19.7	0.11	3.80e-04	0.0	0.0
2	2.601	0.384	0.354	1.239e+04	41.1	8170.14	27.1	2.45	8.12e-03	0.0	0.0
3	3.365	0.297	0.354	5406.34	17.9	2437.26	8.1	2.40	7.97e-03	0.0	0.0
4	4.733	0.211	0.354	77.03	0.3	35.18	0.1	0.49	1.63e-03	0.0	0.0
5	4.888	0.205	0.354	95.03	0.3	0.95	3.17e-03	0.63	2.10e-03	0.0	0.0
6	4.988	0.200	0.354	660.88	2.2	39.92	0.1	4.20	1.39e-02	0.0	0.0
7	5.240	0.191	0.354	28.04	9.31e-02	4.08	1.35e-02	0.31	1.04e-03	0.0	0.0
8	5.717	0.175	0.354	28.67	9.52e-02	144.54	0.5	19.95	6.62e-02	0.0	0.0
9	6.426	0.156	0.354	10.44	3.47e-02	1894.58	6.3	0.05	1.77e-04	0.0	0.0
10	7.258	0.138	0.336	267.19	0.9	4749.77	15.8	0.55	1.82e-03	0.0	0.0
11	7.783	0.128	0.322	7.25	2.41e-02	972.76	3.2	119.10	0.4	0.0	0.0
12	8.847	0.113	0.299	2185.59	7.3	1497.39	5.0	85.91	0.3	0.0	0.0
13	9.302	0.108	0.291	61.52	0.2	422.98	1.4	0.03	1.04e-04	0.0	0.0
14	9.882	0.101	0.281	175.92	0.6	250.00	0.8	472.76	1.6	0.0	0.0
15	10.052	0.099	0.279	122.06	0.4	214.63	0.7	195.79	0.7	0.0	0.0
16	11.894	0.084	0.256	47.26	0.2	795.64	2.6	110.81	0.4	0.0	0.0
17	12.292	0.081	0.252	0.46	1.53e-03	0.48	1.60e-03	8.63	2.87e-02	0.0	0.0
18	13.630	0.073	0.240	2.84	9.42e-03	818.91	2.7	2.66	8.83e-03	0.0	0.0
19	14.282	0.070	0.235	13.08	4.34e-02	151.03	0.5	8.60	2.86e-02	0.0	0.0
20	14.794	0.068	0.232	2.70	8.97e-03	10.08	3.35e-02	0.31	1.02e-03	0.0	0.0
Risulta				2.835e+04		2.855e+04		1035.75			
In percentuale				94.13		94.77		3.44			

CDC	Tipo	Sigla Id	Note
9	Edk	CDC=Ed (dinamico SLU) alfa=90.00 (ecc. +)	
			categoria suolo: C
			fattore di sito S = 1.500
			ordinata spettro (tratto Tb-Tc) = 0.354 g
			angolo di ingresso:90.00
			eccentricità aggiuntiva: positiva
			periodo proprio T1: 0.529 s
			fattore q: 1.000
			amplificazione ND (non dissipativi): 1.000
			fattore per spost. mu d: 1.000
			classe di duttilità CD: B
			numero di modi considerati: 20
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
m	daN	m	m	m	m	m	m			
8.60	9826.50	3.09	5.21	0.33	0.0	2.55	4.16	1.094	0.084	0.272
7.60	1704.36	3.27	7.66	0.33	0.0	3.76	6.97	1.235	0.095	0.225
7.23	267.82	2.06	1.54	0.09	0.0	2.41	1.89	1.323	0.256	0.423
5.87	249.60	2.00	1.55	0.09	0.0	2.41	1.89	1.323	0.295	0.409
4.50	1.407e+04	3.16	3.51	0.33	0.0	2.55	4.16	1.094	0.095	0.170
3.00	286.67	2.06	1.55	0.09	0.0	2.41	1.89	1.323	0.253	0.418

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
2.59	1935.75	1.41	7.17	0.14	0.0	1.40	8.05	0.844	0.004	1.055
1.50	256.97	2.06	1.53	0.09	0.0	2.41	1.89	1.323	0.256	0.443
0.86	1527.52	0.66	3.08	0.07	0.0	0.07	3.04	1.838	0.407	0.049
Risulta	3.012e+04									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	daN		daN		daN			
1	1.891	0.529	0.302	3150.33	10.5	9740.25	32.3	0.33	1.09e-03	0.0	0.0
2	2.539	0.394	0.354	1.780e+04	59.1	4547.64	15.1	1.50	4.97e-03	0.0	0.0
3	3.270	0.306	0.354	3649.46	12.1	3045.46	10.1	2.74	9.09e-03	0.0	0.0
4	4.544	0.220	0.354	69.64	0.2	29.64	9.84e-02	0.46	1.54e-03	0.0	0.0
5	4.690	0.213	0.354	75.06	0.2	0.37	1.24e-03	0.46	1.53e-03	0.0	0.0
6	4.797	0.208	0.354	656.48	2.2	31.79	0.1	3.79	1.26e-02	0.0	0.0
7	5.027	0.199	0.354	29.88	9.92e-02	2.66	8.84e-03	0.29	9.47e-04	0.0	0.0
8	5.527	0.181	0.354	12.66	4.20e-02	0.08	2.54e-04	16.46	5.47e-02	0.0	0.0
9	6.179	0.162	0.354	11.18	3.71e-02	1591.01	5.3	6.43	2.14e-02	0.0	0.0
10	6.927	0.144	0.345	90.45	0.3	3395.22	11.3	1.86	6.18e-03	0.0	0.0
11	8.250	0.121	0.311	152.70	0.5	2059.11	6.8	114.54	0.4	0.0	0.0
12	8.586	0.116	0.304	1994.41	6.6	43.69	0.1	53.34	0.2	0.0	0.0
13	9.459	0.106	0.288	43.68	0.1	1541.74	5.1	431.34	1.4	0.0	0.0
14	10.026	0.100	0.279	10.15	3.37e-02	879.30	2.9	54.15	0.2	0.0	0.0
15	10.418	0.096	0.274	544.89	1.8	56.07	0.2	246.40	0.8	0.0	0.0
16	11.785	0.085	0.257	55.58	0.2	487.60	1.6	61.76	0.2	0.0	0.0
17	12.227	0.082	0.253	0.41	1.36e-03	14.77	4.90e-02	9.70	3.22e-02	0.0	0.0
18	13.561	0.074	0.241	2.42	8.02e-03	856.13	2.8	1.92	6.37e-03	0.0	0.0
19	13.861	0.072	0.238	15.85	5.26e-02	37.99	0.1	3.05	1.01e-02	0.0	0.0
20	14.330	0.070	0.235	7.64	2.54e-02	310.75	1.0	4.91	1.63e-02	0.0	0.0
Risulta				2.838e+04		2.867e+04		1015.42			
In percentuale				94.20		95.18		3.37			

CDC	Tipo	Sigla Id	Note
10	Edk	CDC=Ed (dinamico SLU) alfa=90.00 (ecc. -)	
			categoria suolo: C
			fattore di sito S = 1.500
			ordinata spettro (tratto Tb-Tc) = 0.354 g
			angolo di ingresso:90.00
			eccentricità aggiuntiva: negativa
			periodo proprio T1: 0.142 s
			fattore q: 1.000
			amplificazione ND (non dissipativi): 1.000
			fattore per spost. mu d: 1.000
			classe di duttilità CD: B
			numero di modi considerati: 20
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
m	daN	m	m	m	m	m	m			
8.60	9826.50	3.09	5.21	-0.33	0.0	2.55	4.16	1.094	0.084	0.272
7.60	1704.36	3.27	7.66	-0.33	0.0	3.76	6.97	1.235	0.095	0.225
7.23	267.82	2.06	1.54	-0.09	0.0	2.41	1.89	1.323	0.256	0.423
5.87	249.60	2.00	1.55	-0.09	0.0	2.41	1.89	1.323	0.295	0.409
4.50	1.407e+04	3.16	3.51	-0.33	0.0	2.55	4.16	1.094	0.095	0.170
3.00	286.67	2.06	1.55	-0.09	0.0	2.41	1.89	1.323	0.253	0.418
2.59	1935.75	1.41	7.17	-0.14	0.0	1.40	8.05	0.844	0.004	1.055
1.50	256.97	2.06	1.53	-0.09	0.0	2.41	1.89	1.323	0.256	0.443
0.86	1527.52	0.66	3.08	-0.07	0.0	0.07	3.04	1.838	0.407	0.049
Risulta	3.012e+04									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	daN		daN		daN			
1	2.014	0.497	0.321	5584.69	18.5	5705.13	18.9	0.16	5.47e-04	0.0	0.0
2	2.634	0.380	0.354	1.653e+04	54.9	5206.31	17.3	1.61	5.34e-03	0.0	0.0
3	3.341	0.299	0.354	2487.44	8.3	4823.90	16.0	4.08	1.35e-02	0.0	0.0
4	4.547	0.220	0.354	69.93	0.2	31.08	0.1	0.45	1.50e-03	0.0	0.0
5	4.691	0.213	0.354	69.22	0.2	3.18	1.05e-02	0.41	1.35e-03	0.0	0.0
6	4.801	0.208	0.354	663.14	2.2	79.46	0.3	3.60	1.19e-02	0.0	0.0
7	5.028	0.199	0.354	32.50	0.1	8.45	2.81e-02	0.26	8.57e-04	0.0	0.0
8	5.809	0.172	0.354	6.51	2.16e-02	979.53	3.3	22.08	7.33e-02	0.0	0.0
9	6.693	0.149	0.353	46.89	0.2	206.39	0.7	0.88	2.91e-03	0.0	0.0
10	7.049	0.142	0.342	52.20	0.2	6470.84	21.5	4.05	1.34e-02	0.0	0.0
11	8.077	0.124	0.315	109.22	0.4	1724.56	5.7	101.82	0.3	0.0	0.0
12	8.580	0.117	0.304	2033.81	6.8	5.04	1.67e-02	38.45	0.1	0.0	0.0
13	9.527	0.105	0.287	87.69	0.3	1759.77	5.8	438.83	1.5	0.0	0.0
14	10.148	0.099	0.278	13.72	4.55e-02	4.73	1.57e-02	5.43	1.80e-02	0.0	0.0
15	10.459	0.096	0.273	502.81	1.7	11.74	3.90e-02	315.61	1.0	0.0	0.0
16	12.188	0.082	0.253	53.53	0.2	563.03	1.9	113.92	0.4	0.0	0.0
17	12.387	0.081	0.251	15.62	5.19e-02	134.82	0.4	0.14	4.54e-04	0.0	0.0
18	13.607	0.073	0.240	0.18	6.04e-04	558.37	1.9	0.94	3.12e-03	0.0	0.0
19	13.858	0.072	0.238	11.42	3.79e-02	32.92	0.1	2.25	7.48e-03	0.0	0.0
20	14.599	0.068	0.233	0.69	2.29e-03	109.29	0.4	7.08	2.35e-02	0.0	0.0
Risulta				2.837e+04		2.842e+04		1062.03			
In percentuale				94.20		94.34		3.53			

CDC	Tipo	Sigla Id	Note
11	Edk	CDC=Ed (dinamico SLD) alfa=0.0 (ecc. +)	
			categoria suolo: C
			fattore di sito S = 1.500
			ordinata spettro (tratto Tb-Tc) = 0.170 g
			angolo di ingresso:0.0
			eccentricità aggiuntiva: positiva
			periodo proprio T1: 0.391 s
			numero di modi considerati: 20
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
m	daN	m	m	m	m	m	m			
8.60	9826.50	3.09	5.21	0.0	-0.54	2.55	4.16	1.094	0.084	0.272
7.60	1704.36	3.27	7.66	0.0	-0.35	3.76	6.97	1.235	0.095	0.225
7.23	267.82	2.06	1.54	0.0	-0.09	2.41	1.89	1.323	0.256	0.423
5.87	249.60	2.00	1.55	0.0	-0.09	2.41	1.89	1.323	0.295	0.409
4.50	1.407e+04	3.16	3.51	0.0	-0.54	2.55	4.16	1.094	0.095	0.170
3.00	286.67	2.06	1.55	0.0	-0.09	2.41	1.89	1.323	0.253	0.418
2.59	1935.75	1.41	7.17	0.0	-0.07	1.40	8.05	0.844	0.004	1.055
1.50	256.97	2.06	1.53	0.0	-0.09	2.41	1.89	1.323	0.256	0.443
0.86	1527.52	0.66	3.08	0.0	-0.09	0.07	3.04	1.838	0.407	0.049
Risulta	3.012e+04									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	daN		daN		daN			
1	2.033	0.492	0.138	1575.55	5.2	9951.86	33.0	0.50	1.67e-03	0.0	0.0
2	2.555	0.391	0.170	2.203e+04	73.1	1852.63	6.2	0.71	2.35e-03	0.0	0.0
3	3.309	0.302	0.170	1050.93	3.5	4628.56	15.4	4.06	1.35e-02	0.0	0.0
4	4.378	0.228	0.170	63.74	0.2	29.00	9.63e-02	0.41	1.38e-03	0.0	0.0
5	4.515	0.221	0.170	55.97	0.2	2.32	7.72e-03	0.31	1.03e-03	0.0	0.0
6	4.631	0.216	0.170	659.43	2.2	76.84	0.3	3.34	1.11e-02	0.0	0.0
7	4.838	0.207	0.170	35.37	0.1	7.50	2.49e-02	0.25	8.15e-04	0.0	0.0
8	5.650	0.177	0.170	1.53	5.07e-03	423.53	1.4	19.58	6.50e-02	0.0	0.0
9	6.317	0.158	0.170	8.90	2.95e-02	489.00	1.6	7.90	2.62e-02	0.0	0.0
10	6.744	0.148	0.170	5.29	1.76e-02	5070.66	16.8	3.35	1.11e-02	0.0	0.0
11	8.146	0.123	0.162	2167.00	7.2	52.56	0.2	2.05	6.80e-03	0.0	0.0

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
12	8.689	0.115	0.156	86.46	0.3	2783.56	9.2	119.23	0.4	0.0	0.0
13	9.608	0.104	0.147	33.02	0.1	1478.62	4.9	712.67	2.4	0.0	0.0
14	10.052	0.099	0.144	0.36	1.20e-03	268.14	0.9	3.75e-03	1.24e-05	0.0	0.0
15	11.629	0.086	0.133	295.21	1.0	424.09	1.4	140.81	0.5	0.0	0.0
16	12.279	0.081	0.130	10.76	3.57e-02	7.32	2.43e-02	15.29	5.08e-02	0.0	0.0
17	12.572	0.080	0.128	275.05	0.9	55.12	0.2	2.45	8.12e-03	0.0	0.0
18	13.164	0.076	0.125	25.32	8.40e-02	1.18	3.91e-03	1.09	3.63e-03	0.0	0.0
19	13.650	0.073	0.123	8.03	2.67e-02	769.93	2.6	1.77	5.87e-03	0.0	0.0
20	14.438	0.069	0.120	15.00	4.98e-02	185.17	0.6	4.07	1.35e-02	0.0	0.0
Risulta				2.840e+04		2.856e+04		1039.84			
In percentuale				94.28		94.81		3.45			

CDC	Tipo	Sigla Id	Note
12	Edk	CDC=Ed (dinamico SLD) alfa=0.0 (ecc. -)	
			categoria suolo: C
			fattore di sito S = 1.500
			ordinata spettro (tratto Tb-Tc) = 0.170 g
			angolo di ingresso:0.0
			eccentricità aggiuntiva: negativa
			periodo proprio T1: 0.384 s
			numero di modi considerati: 20
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
m	daN	m	m	m	m	m	m			
8.60	9826.50	3.09	5.21	0.0	0.54	2.55	4.16	1.094	0.084	0.272
7.60	1704.36	3.27	7.66	0.0	0.35	3.76	6.97	1.235	0.095	0.225
7.23	267.82	2.06	1.54	0.0	0.09	2.41	1.89	1.323	0.256	0.423
5.87	249.60	2.00	1.55	0.0	0.09	2.41	1.89	1.323	0.295	0.409
4.50	1.407e+04	3.16	3.51	0.0	0.54	2.55	4.16	1.094	0.095	0.170
3.00	286.67	2.06	1.55	0.0	0.09	2.41	1.89	1.323	0.253	0.418
2.59	1935.75	1.41	7.17	0.0	0.07	1.40	8.05	0.844	0.004	1.055
1.50	256.97	2.06	1.53	0.0	0.09	2.41	1.89	1.323	0.256	0.443
0.86	1527.52	0.66	3.08	0.0	0.09	0.07	3.04	1.838	0.407	0.049
Risulta	3.012e+04									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	daN		daN		daN			
1	1.869	0.535	0.127	6773.59	22.5	5937.08	19.7	0.11	3.80e-04	0.0	0.0
2	2.601	0.384	0.170	1.239e+04	41.1	8170.14	27.1	2.45	8.12e-03	0.0	0.0
3	3.365	0.297	0.170	5406.34	17.9	2437.26	8.1	2.40	7.97e-03	0.0	0.0
4	4.733	0.211	0.170	77.03	0.3	35.18	0.1	0.49	1.63e-03	0.0	0.0
5	4.888	0.205	0.170	95.03	0.3	0.95	3.17e-03	0.63	2.10e-03	0.0	0.0
6	4.988	0.200	0.170	660.88	2.2	39.92	0.1	4.20	1.39e-02	0.0	0.0
7	5.240	0.191	0.170	28.04	9.31e-02	4.08	1.35e-02	0.31	1.04e-03	0.0	0.0
8	5.717	0.175	0.170	28.67	9.52e-02	144.54	0.5	19.95	6.62e-02	0.0	0.0
9	6.426	0.156	0.170	10.44	3.47e-02	1894.58	6.3	0.05	1.77e-04	0.0	0.0
10	7.258	0.138	0.170	267.19	0.9	4749.77	15.8	0.55	1.82e-03	0.0	0.0
11	7.783	0.128	0.167	7.25	2.41e-02	972.76	3.2	119.10	0.4	0.0	0.0
12	8.847	0.113	0.155	2185.59	7.3	1497.39	5.0	85.91	0.3	0.0	0.0
13	9.302	0.108	0.150	61.52	0.2	422.98	1.4	0.03	1.04e-04	0.0	0.0
14	9.882	0.101	0.145	175.92	0.6	250.00	0.8	472.76	1.6	0.0	0.0
15	10.052	0.099	0.144	122.06	0.4	214.63	0.7	195.79	0.7	0.0	0.0
16	11.894	0.084	0.132	47.26	0.2	795.64	2.6	110.81	0.4	0.0	0.0
17	12.292	0.081	0.129	0.46	1.53e-03	0.48	1.60e-03	8.63	2.87e-02	0.0	0.0
18	13.630	0.073	0.123	2.84	9.42e-03	818.91	2.7	2.66	8.83e-03	0.0	0.0
19	14.282	0.070	0.120	13.08	4.34e-02	151.03	0.5	8.60	2.86e-02	0.0	0.0
20	14.794	0.068	0.119	2.70	8.97e-03	10.08	3.35e-02	0.31	1.02e-03	0.0	0.0
Risulta				2.835e+04		2.855e+04		1035.75			
In percentuale				94.13		94.77		3.44			

CDC	Tipo	Sigla Id	Note
13	Edk	CDC=Ed (dinamico SLD) alfa=90.00 (ecc. +)	
			categoria suolo: C
			fattore di sito S = 1.500
			ordinata spettro (tratto Tb-Tc) = 0.170 g
			angolo di ingresso:90.00
			eccentricità aggiuntiva: positiva
			periodo proprio T1: 0.529 s
			numero di modi considerati: 20
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
m	daN	m	m	m	m	m	m			
8.60	9826.50	3.09	5.21	0.33	0.0	2.55	4.16	1.094	0.084	0.272
7.60	1704.36	3.27	7.66	0.33	0.0	3.76	6.97	1.235	0.095	0.225
7.23	267.82	2.06	1.54	0.09	0.0	2.41	1.89	1.323	0.256	0.423
5.87	249.60	2.00	1.55	0.09	0.0	2.41	1.89	1.323	0.295	0.409
4.50	1.407e+04	3.16	3.51	0.33	0.0	2.55	4.16	1.094	0.095	0.170
3.00	286.67	2.06	1.55	0.09	0.0	2.41	1.89	1.323	0.253	0.418
2.59	1935.75	1.41	7.17	0.14	0.0	1.40	8.05	0.844	0.004	1.055
1.50	256.97	2.06	1.53	0.09	0.0	2.41	1.89	1.323	0.256	0.443
0.86	1527.52	0.66	3.08	0.07	0.0	0.07	3.04	1.838	0.407	0.049
Risulta	3.012e+04									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	daN		daN		daN			
1	1.891	0.529	0.129	3150.33	10.5	9740.25	32.3	0.33	1.09e-03	0.0	0.0
2	2.539	0.394	0.170	1.780e+04	59.1	4547.64	15.1	1.50	4.97e-03	0.0	0.0
3	3.270	0.306	0.170	3649.46	12.1	3045.46	10.1	2.74	9.09e-03	0.0	0.0
4	4.544	0.220	0.170	69.64	0.2	29.64	9.84e-02	0.46	1.54e-03	0.0	0.0
5	4.690	0.213	0.170	75.06	0.2	0.37	1.24e-03	0.46	1.53e-03	0.0	0.0
6	4.797	0.208	0.170	656.48	2.2	31.79	0.1	3.79	1.26e-02	0.0	0.0
7	5.027	0.199	0.170	29.88	9.92e-02	2.66	8.84e-03	0.29	9.47e-04	0.0	0.0
8	5.527	0.181	0.170	12.66	4.20e-02	0.08	2.54e-04	16.46	5.47e-02	0.0	0.0
9	6.179	0.162	0.170	11.18	3.71e-02	1591.01	5.3	6.43	2.14e-02	0.0	0.0
10	6.927	0.144	0.170	90.45	0.3	3395.22	11.3	1.86	6.18e-03	0.0	0.0
11	8.250	0.121	0.161	152.70	0.5	2059.11	6.8	114.54	0.4	0.0	0.0
12	8.586	0.116	0.157	1994.41	6.6	43.69	0.1	53.34	0.2	0.0	0.0
13	9.459	0.106	0.149	43.68	0.1	1541.74	5.1	431.34	1.4	0.0	0.0
14	10.026	0.100	0.144	10.15	3.37e-02	879.30	2.9	54.15	0.2	0.0	0.0
15	10.418	0.096	0.141	544.89	1.8	56.07	0.2	246.40	0.8	0.0	0.0
16	11.785	0.085	0.132	55.58	0.2	487.60	1.6	61.76	0.2	0.0	0.0
17	12.227	0.082	0.130	0.41	1.36e-03	14.77	4.90e-02	9.70	3.22e-02	0.0	0.0
18	13.561	0.074	0.123	2.42	8.02e-03	856.13	2.8	1.92	6.37e-03	0.0	0.0
19	13.861	0.072	0.122	15.85	5.26e-02	37.99	0.1	3.05	1.01e-02	0.0	0.0
20	14.330	0.070	0.120	7.64	2.54e-02	310.75	1.0	4.91	1.63e-02	0.0	0.0
Risulta				2.838e+04		2.867e+04		1015.42			
In percentuale				94.20		95.18		3.37			

CDC	Tipo	Sigla Id	Note
14	Edk	CDC=Ed (dinamico SLD) alfa=90.00 (ecc. -)	
			categoria suolo: C
			fattore di sito S = 1.500
			ordinata spettro (tratto Tb-Tc) = 0.170 g
			angolo di ingresso:90.00
			eccentricità aggiuntiva: negativa
			periodo proprio T1: 0.142 s
			numero di modi considerati: 20
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
m	daN	m	m	m	m	m	m			
8.60	9826.50	3.09	5.21	-0.33	0.0	2.55	4.16	1.094	0.084	0.272
7.60	1704.36	3.27	7.66	-0.33	0.0	3.76	6.97	1.235	0.095	0.225
7.23	267.82	2.06	1.54	-0.09	0.0	2.41	1.89	1.323	0.256	0.423
5.87	249.60	2.00	1.55	-0.09	0.0	2.41	1.89	1.323	0.295	0.409
4.50	1.407e+04	3.16	3.51	-0.33	0.0	2.55	4.16	1.094	0.095	0.170
3.00	286.67	2.06	1.55	-0.09	0.0	2.41	1.89	1.323	0.253	0.418
2.59	1935.75	1.41	7.17	-0.14	0.0	1.40	8.05	0.844	0.004	1.055
1.50	256.97	2.06	1.53	-0.09	0.0	2.41	1.89	1.323	0.256	0.443
0.86	1527.52	0.66	3.08	-0.07	0.0	0.07	3.04	1.838	0.407	0.049
Risulta	3.012e+04									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	daN		daN		daN			
1	2.014	0.497	0.137	5584.69	18.5	5705.13	18.9	0.16	5.47e-04	0.0	0.0
2	2.634	0.380	0.170	1.653e+04	54.9	5206.31	17.3	1.61	5.34e-03	0.0	0.0
3	3.341	0.299	0.170	2487.44	8.3	4823.90	16.0	4.08	1.35e-02	0.0	0.0
4	4.547	0.220	0.170	69.93	0.2	31.08	0.1	0.45	1.50e-03	0.0	0.0
5	4.691	0.213	0.170	69.22	0.2	3.18	1.05e-02	0.41	1.35e-03	0.0	0.0
6	4.801	0.208	0.170	663.14	2.2	79.46	0.3	3.60	1.19e-02	0.0	0.0
7	5.028	0.199	0.170	32.50	0.1	8.45	2.81e-02	0.26	8.57e-04	0.0	0.0
8	5.809	0.172	0.170	6.51	2.16e-02	979.53	3.3	22.08	7.33e-02	0.0	0.0
9	6.693	0.149	0.170	46.89	0.2	206.39	0.7	0.88	2.91e-03	0.0	0.0
10	7.049	0.142	0.170	52.20	0.2	6470.84	21.5	4.05	1.34e-02	0.0	0.0
11	8.077	0.124	0.163	109.22	0.4	1724.56	5.7	101.82	0.3	0.0	0.0
12	8.580	0.117	0.157	2033.81	6.8	5.04	1.67e-02	38.45	0.1	0.0	0.0
13	9.527	0.105	0.148	87.69	0.3	1759.77	5.8	438.83	1.5	0.0	0.0
14	10.148	0.099	0.143	13.72	4.55e-02	4.73	1.57e-02	5.43	1.80e-02	0.0	0.0
15	10.459	0.096	0.141	502.81	1.7	11.74	3.90e-02	315.61	1.0	0.0	0.0
16	12.188	0.082	0.130	53.53	0.2	563.03	1.9	113.92	0.4	0.0	0.0
17	12.387	0.081	0.129	15.62	5.19e-02	134.82	0.4	0.14	4.54e-04	0.0	0.0
18	13.607	0.073	0.123	0.18	6.04e-04	558.37	1.9	0.94	3.12e-03	0.0	0.0
19	13.858	0.072	0.122	11.42	3.79e-02	32.92	0.1	2.25	7.48e-03	0.0	0.0
20	14.599	0.068	0.119	0.69	2.29e-03	109.29	0.4	7.08	2.35e-02	0.0	0.0
Risulta				2.837e+04		2.842e+04		1062.03			
In percentuale				94.20		94.34		3.53			

Cmb	Pilas.	1000 etaT/h	etaT	inter. h	Pilas.	1000 etaT/h	etaT	inter. h	Pilas.	1000 etaT/h	etaT	inter. h
			cm	cm			cm	cm			cm	cm
55	10	1.17	0.53	450.0	11	0.43	0.06	150.0	12	0.075	86.0	
	13	0.61	0.27	450.0	15	1.10	0.40	364.0	23	1.16	0.52	450.0
	52	0.79	0.11	136.7	55	1.17	0.48	410.0	56	1.17	0.48	410.0
	57	1.17	0.48	410.0	58	0.82	0.26	310.0	59	1.16	0.52	450.0
	60	0.58	0.26	450.0	61	0.81	0.25	310.0	62	0.95	0.13	136.7
	63	0.94	0.39	410.0	64	0.76	0.31	410.0	65	0.89	0.37	410.0
	66	1.00	0.31	310.0	67	0.87	0.27	310.0	73	0.71	0.26	364.0
	74	0.79	0.15	191.0	75	0.73	0.14	191.0	83	0.53	0.05	100.0
	84	0.73	0.07	100.0	88	0.55	0.14	259.0	89	0.35	0.16	450.0
	90	0.48	0.12	259.0	94	0.58	0.06	100.0	95	0.72	0.07	100.0
	100	0.14	0.01	86.0	101	0.68	0.30	450.0	102	0.88	0.27	310.0
	105	1.16	0.12	100.0	130	0.94	0.13	136.7	133	0.119	6.1e-03	86.0
	135	0.93	0.13	136.7	136	1.33	0.18	136.7	137	0.54	0.08	150.0
	138	0.54	0.08	150.0	139	1.33	0.18	136.7	142	1.26	0.19	150.0
	143	1.47	0.22	150.0	144	1.26	0.19	150.0	145	1.47	0.22	150.0
	146	1.21	0.18	150.0	147	1.25	0.19	150.0	148	1.12	0.17	150.0
	149	1.10	0.17	150.0	158	1.08	0.15	136.7	159	0.80	0.11	136.7
	160	1.11	0.15	136.7	162	1.10	0.15	136.7	163	0.77	0.05	64.0
	164	1.11	0.15	136.7	165	0.94	0.13	136.7				
56	10	1.18	0.53	450.0	11	0.43	0.06	150.0	12	0.14	0.01	86.0
	13	1.19	0.54	450.0	15	0.85	0.31	364.0	23	0.89	0.40	450.0
	52	0.61	0.08	136.7	55	0.86	0.35	410.0	56	0.88	0.36	410.0
	57	1.01	0.41	410.0	58	1.27	0.39	310.0	59	0.81	0.36	450.0

57	60	0.90	0.40	450.0	61	1.11	0.34	310.0	62	0.75	0.10	136.7
	63	0.73	0.30	410.0	64	0.99	0.41	410.0	65	1.49	0.61	410.0
	66	1.69	0.52	310.0	67	1.75	0.54	310.0	73	0.98	0.36	364.0
	74	1.23	0.24	191.0	75	1.23	0.24	191.0	83	0.91	0.09	100.0
	84	1.02	0.10	100.0	88	1.01	0.26	259.0	89	0.94	0.42	450.0
	90	0.75	0.19	259.0	94	0.76	0.08	100.0	95	0.83	0.08	100.0
	100	0.129.95e-03		86.0	101	1.39	0.63	450.0	102	1.62	0.50	310.0
	105	1.91	0.19	100.0	130	0.71	0.10	136.7	133	0.108.28e-03		86.0
	135	0.73	0.10	136.7	136	0.99	0.14	136.7	137	0.39	0.06	150.0
	138	0.47	0.07	150.0	139	0.99	0.14	136.7	142	0.92	0.14	150.0
	143	1.08	0.16	150.0	144	1.04	0.16	150.0	145	1.12	0.17	150.0
	146	1.07	0.16	150.0	147	0.98	0.15	150.0	148	0.92	0.14	150.0
	149	0.87	0.13	150.0	158	0.87	0.12	136.7	159	0.64	0.09	136.7
	160	0.86	0.12	136.7	162	0.83	0.11	136.7	163	0.61	0.04	64.0
	164	0.86	0.12	136.7	165	0.72	0.10	136.7				
58	10	1.34	0.60	450.0	11	0.49	0.07	150.0	12	0.39	0.03	86.0
	13	1.40	0.63	450.0	15	0.90	0.33	364.0	23	0.95	0.43	450.0
	52	0.65	0.09	136.7	55	0.85	0.35	410.0	56	0.99	0.41	410.0
	57	1.15	0.47	410.0	58	1.45	0.45	310.0	59	0.81	0.36	450.0
	60	1.03	0.46	450.0	61	1.20	0.37	310.0	62	0.91	0.12	136.7
	63	0.77	0.32	410.0	64	1.05	0.43	410.0	65	1.42	0.58	410.0
	66	1.60	0.50	310.0	67	1.66	0.51	310.0	73	1.02	0.37	364.0
	74	1.41	0.27	191.0	75	1.29	0.25	191.0	83	1.09	0.11	100.0
	84	1.32	0.13	100.0	88	0.83	0.22	259.0	89	1.02	0.46	450.0
	90	0.80	0.21	259.0	94	0.90	0.09	100.0	95	1.13	0.11	100.0
	100	0.15	0.01	86.0	101	1.49	0.67	450.0	102	1.70	0.53	310.0
	105	1.31	0.13	100.0	130	0.74	0.10	136.7	133	0.15	0.01	86.0
	135	0.82	0.11	136.7	136	1.03	0.14	136.7	137	0.41	0.06	150.0
	138	0.51	0.08	150.0	139	1.06	0.15	136.7	142	0.95	0.14	150.0
	143	1.12	0.17	150.0	144	1.15	0.17	150.0	145	1.17	0.18	150.0
	146	1.19	0.18	150.0	147	1.05	0.16	150.0	148	1.04	0.16	150.0
59	149	0.96	0.14	150.0	158	1.09	0.15	136.7	159	0.77	0.10	136.7
	160	0.92	0.13	136.7	162	0.87	0.12	136.7	163	0.63	0.04	64.0
	164	1.11	0.15	136.7	165	0.83	0.11	136.7				
	10	1.21	0.55	450.0	11	0.46	0.07	150.0	12	0.32	0.03	86.0
	13	0.76	0.34	450.0	15	1.15	0.42	364.0	23	1.17	0.53	450.0
	52	0.82	0.11	136.7	55	1.17	0.48	410.0	56	1.20	0.49	410.0
	57	1.21	0.50	410.0	58	0.94	0.29	310.0	59	1.15	0.52	450.0
	60	0.69	0.31	450.0	61	0.89	0.28	310.0	62	1.03	0.14	136.7
	63	0.99	0.40	410.0	64	0.82	0.34	410.0	65	0.82	0.34	410.0
	66	0.90	0.28	310.0	67	0.78	0.24	310.0	73	0.75	0.27	364.0
	74	0.86	0.16	191.0	75	0.79	0.15	191.0	83	0.68	0.07	100.0
	84	0.97	0.10	100.0	88	0.46	0.12	259.0	89	0.42	0.19	450.0
	90	0.52	0.13	259.0	94	0.69	0.07	100.0	95	0.92	0.09	100.0
	100	0.19	0.02	86.0	101	0.72	0.32	450.0	102	0.90	0.28	310.0
	105	0.56	0.06	100.0	130	0.98	0.13	136.7	133	0.15	0.01	86.0
	135	0.99	0.14	136.7	136	1.34	0.18	136.7	137	0.55	0.08	150.0
60	138	0.56	0.08	150.0	139	1.35	0.18	136.7	142	1.28	0.19	150.0
	143	1.49	0.22	150.0	144	1.30	0.19	150.0	145	1.50	0.22	150.0
	146	1.28	0.19	150.0	147	1.31	0.20	150.0	148	1.20	0.18	150.0
	149	1.18	0.18	150.0	158	1.16	0.16	136.7	159	0.87	0.12	136.7
	160	1.16	0.16	136.7	162	1.13	0.15	136.7	163	0.77	0.05	64.0
	164	1.19	0.16	136.7	165	0.99	0.14	136.7				
	10	1.17	0.53	450.0	11	0.44	0.07	150.0	12	0.075.76e-03		86.0
	13	0.63	0.28	450.0	15	1.12	0.41	364.0	23	1.15	0.52	450.0
	52	0.80	0.11	136.7	55	1.18	0.48	410.0	56	1.18	0.48	410.0
	57	1.18	0.48	410.0	58	0.83	0.26	310.0	59	1.15	0.52	450.0
	60	0.59	0.26	450.0	61	0.81	0.25	310.0	62	0.96	0.13	136.7
	63	0.96	0.39	410.0	64	0.76	0.31	410.0	65	0.93	0.38	410.0
	66	1.04	0.32	310.0	67	0.95	0.29	310.0	73	0.71	0.26	364.0
	74	0.81	0.15	191.0	75	0.76	0.15	191.0	83	0.55	0.06	100.0
	84	0.75	0.07	100.0	88	0.58	0.15	259.0	89	0.41	0.19	450.0
	90	0.50	0.13	259.0	94	0.58	0.06	100.0	95	0.71	0.07	100.0
60	100	0.15	0.01	86.0	101	0.72	0.32	450.0	102	0.92	0.29	310.0
	105	1.21	0.12	100.0	130	0.95	0.13	136.7	133	0.119.69e-03		86.0
	135	0.94	0.13	136.7	136	1.33	0.18	136.7	137	0.54	0.08	150.0
	138	0.54	0.08	150.0	139	1.33	0.18	136.7	142	1.26	0.19	150.0
	143	1.47	0.22	150.0	144	1.26	0.19	150.0	145	1.47	0.22	150.0
	146	1.23	0.18	150.0	147	1.27	0.19	150.0	148	1.13	0.17	150.0
	149	1.12	0.17	150.0	158	1.10	0.15	136.7	159	0.81	0.11	136.7
	160	1.13	0.15	136.7	162	1.11	0.15	136.7	163	0.78	0.05	64.0
	164	1.12	0.15	136.7	165	0.95	0.13	136.7				
	10	1.14	0.51	450.0	11	0.41	0.06	150.0	12	0.14	0.01	86.0
	13	1.14	0.51	450.0	15	0.83	0.30	364.0	23	0.88	0.40	450.0
	52	0.60	0.08	136.7	55	0.85	0.35	410.0	56	0.87	0.36	410.0
	57	0.98	0.40	410.0	58	1.24	0.38	310.0	59	0.81	0.37	450.0
	60	0.89	0.40	450.0	61	1.11	0.34	310.0	62	0.73	0.10	136.7

61	63	0.72	0.29	410.0	64	0.99	0.41	410.0	65	1.45	0.59	410.0
	66	1.65	0.51	310.0	67	1.68	0.52	310.0	73	0.98	0.36	364.0
	74	1.20	0.23	191.0	75	1.20	0.23	191.0	83	0.88	0.09	100.0
	84	0.99	0.10	100.0	88	0.98	0.25	259.0	89	0.88	0.40	450.0
	90	0.73	0.19	259.0	94	0.76	0.08	100.0	95	0.83	0.08	100.0
	100	0.119.86e-03		86.0	101	1.33	0.60	450.0	102	1.55	0.48	310.0
	105	1.86	0.19	100.0	130	0.70	0.10	136.7	133	0.097.98e-03		86.0
	135	0.72	0.10	136.7	136	0.98	0.13	136.7	137	0.39	0.06	150.0
	138	0.46	0.07	150.0	139	0.98	0.13	136.7	142	0.92	0.14	150.0
	143	1.08	0.16	150.0	144	1.03	0.15	150.0	145	1.11	0.17	150.0
	146	1.03	0.16	150.0	147	0.97	0.15	150.0	148	0.89	0.13	150.0
	149	0.85	0.13	150.0	158	0.85	0.12	136.7	159	0.63	0.09	136.7
	160	0.85	0.12	136.7	162	0.82	0.11	136.7	163	0.60	0.04	64.0
	164	0.85	0.12	136.7	165	0.71	0.10	136.7				
	10	1.29	0.58	450.0	11	0.48	0.07	150.0	12	0.39	0.03	86.0
	13	1.35	0.61	450.0	15	0.88	0.32	364.0	23	0.94	0.42	450.0
62	52	0.64	0.09	136.7	55	0.85	0.35	410.0	56	0.98	0.40	410.0
	57	1.11	0.46	410.0	58	1.41	0.44	310.0	59	0.81	0.37	450.0
	60	1.02	0.46	450.0	61	1.20	0.37	310.0	62	0.89	0.12	136.7
	63	0.76	0.31	410.0	64	1.05	0.43	410.0	65	1.38	0.57	410.0
	66	1.56	0.48	310.0	67	1.58	0.49	310.0	73	1.03	0.37	364.0
	74	1.38	0.26	191.0	75	1.26	0.24	191.0	83	1.06	0.11	100.0
	84	1.30	0.13	100.0	88	0.81	0.21	259.0	89	0.96	0.43	450.0
	90	0.79	0.20	259.0	94	0.90	0.09	100.0	95	1.13	0.11	100.0
	100	0.15	0.01	86.0	101	1.43	0.64	450.0	102	1.63	0.50	310.0
	105	1.26	0.13	100.0	130	0.73	0.10	136.7	133	0.15	0.01	86.0
	135	0.81	0.11	136.7	136	1.02	0.14	136.7	137	0.41	0.06	150.0
	138	0.50	0.08	150.0	139	1.05	0.14	136.7	142	0.95	0.14	150.0
	143	1.12	0.17	150.0	144	1.13	0.17	150.0	145	1.16	0.17	150.0
	146	1.15	0.17	150.0	147	1.04	0.16	150.0	148	1.01	0.15	150.0
	149	0.95	0.14	150.0	158	1.06	0.15	136.7	159	0.75	0.10	136.7
	160	0.91	0.12	136.7	162	0.86	0.12	136.7	163	0.62	0.04	64.0
	164	1.09	0.15	136.7	165	0.82	0.11	136.7				
63	10	1.23	0.55	450.0	11	0.48	0.07	150.0	12	0.33	0.03	86.0
	13	0.80	0.36	450.0	15	1.16	0.42	364.0	23	1.17	0.53	450.0
	52	0.83	0.11	136.7	55	1.17	0.48	410.0	56	1.20	0.49	410.0
	57	1.23	0.50	410.0	58	0.96	0.30	310.0	59	1.15	0.52	450.0
	60	0.70	0.31	450.0	61	0.89	0.27	310.0	62	1.05	0.14	136.7
	63	1.00	0.41	410.0	64	0.81	0.33	410.0	65	0.86	0.35	410.0
	66	0.94	0.29	310.0	67	0.85	0.26	310.0	73	0.75	0.27	364.0
	74	0.90	0.17	191.0	75	0.81	0.15	191.0	83	0.71	0.07	100.0
	84	0.98	0.10	100.0	88	0.48	0.12	259.0	89	0.48	0.22	450.0
	90	0.53	0.14	259.0	94	0.69	0.07	100.0	95	0.92	0.09	100.0
	100	0.20	0.02	86.0	101	0.78	0.35	450.0	102	0.96	0.30	310.0
	105	0.61	0.06	100.0	130	0.99	0.13	136.7	133	0.15	0.01	86.0
	135	1.01	0.14	136.7	136	1.35	0.18	136.7	137	0.54	0.08	150.0
	138	0.56	0.08	150.0	139	1.36	0.19	136.7	142	1.28	0.19	150.0
	143	1.49	0.22	150.0	144	1.30	0.20	150.0	145	1.50	0.23	150.0
	146	1.30	0.20	150.0	147	1.33	0.20	150.0	148	1.22	0.18	150.0
	149	1.20	0.18	150.0	158	1.18	0.16	136.7	159	0.88	0.12	136.7
64	160	1.17	0.16	136.7	162	1.14	0.16	136.7	163	0.78	0.05	64.0
	164	1.20	0.16	136.7	165	1.00	0.14	136.7				
	10	1.11	0.50	450.0	11	0.35	0.05	150.0	12	0.032.54e-03		86.0
	13	0.69	0.31	450.0	15	0.78	0.28	364.0	23	0.97	0.44	450.0
	52	0.54	0.07	136.7	55	0.86	0.35	410.0	56	0.86	0.35	410.0
	57	0.92	0.38	410.0	58	0.68	0.21	310.0	59	0.94	0.42	450.0
	60	0.43	0.20	450.0	61	0.54	0.17	310.0	62	0.66	0.09	136.7
	63	0.66	0.27	410.0	64	0.46	0.19	410.0	65	0.88	0.36	410.0
	66	1.02	0.32	310.0	67	1.09	0.34	310.0	73	0.45	0.16	364.0
	74	0.74	0.14	191.0	75	0.72	0.14	191.0	83	0.50	0.05	100.0
	84	0.70	0.07	100.0	88	0.70	0.18	259.0	89	0.58	0.26	450.0
	90	0.47	0.12	259.0	94	0.34	0.03	100.0	95	0.52	0.05	100.0
	100	0.108.37e-03		86.0	101	0.88	0.40	450.0	102	0.98	0.30	310.0
	105	1.33	0.13	100.0	130	0.64	0.09	136.7	133	0.076.21e-03		86.0
	135	0.65	0.09	136.7	136	0.98	0.13	136.7	137	0.43	0.06	150.0
	138	0.47	0.07	150.0	139	0.98	0.13	136.7	142	1.00	0.15	150.0
	143	1.14	0.17	150.0	144	1.05	0.16	150.0	145	1.15	0.17	150.0
64	146	0.92	0.14	150.0	147	0.89	0.13	150.0	148	0.81	0.12	150.0
	149	0.78	0.12	150.0	158	0.76	0.10	136.7	159	0.56	0.08	136.7
	160	0.77	0.11	136.7	162	0.78	0.11	136.7	163	0.55	0.04	64.0
	164	0.79	0.11	136.7	165	0.64	0.09	136.7				
	10	1.42	0.64	450.0	11	0.46	0.07	150.0	12	0.086.67e-03		86.0
	13	1.42	0.64	450.0	15	0.52	0.19	364.0	23	0.81	0.36	450.0
	52	0.36	0.05	136.7	55	0.54	0.22	410.0	56	0.64	0.26	410.0
	57	0.99	0.41	410.0	58	1.29	0.40	310.0	59	0.59	0.27	450.0
	60	0.81	0.37	450.0	61	0.90	0.28	310.0	62	0.54	0.07	136.7
	63	0.44	0.18	410.0	64	0.68	0.28	410.0	65	1.48	0.61	410.0

65	66	1.74	0.54	310.0	67	1.96	0.61	310.0	73	0.72	0.26	364.0
	74	1.23	0.23	191.0	75	1.22	0.23	191.0	83	0.89	0.09	100.0
	84	1.00	0.10	100.0	88	1.17	0.30	259.0	89	1.16	0.52	450.0
	90	0.73	0.19	259.0	94	0.53	0.05	100.0	95	0.60	0.06	100.0
	100	0.075.99e-03		86.0	101	1.69	0.76	450.0	102	1.80	0.56	310.0
	105	2.08	0.21	100.0	130	0.40	0.05	136.7	133	0.097.49e-03		86.0
	135	0.48	0.07	136.7	136	0.67	0.09	136.7	137	0.30	0.04	150.0
	138	0.49	0.07	150.0	139	0.69	0.09	136.7	142	0.69	0.10	150.0
	143	0.78	0.12	150.0	144	1.01	0.15	150.0	145	0.87	0.13	150.0
	146	0.96	0.14	150.0	147	0.65	0.10	150.0	148	0.71	0.11	150.0
	149	0.58	0.09	150.0	158	0.67	0.09	136.7	159	0.46	0.06	136.7
	160	0.53	0.07	136.7	162	0.51	0.07	136.7	163	0.42	0.03	64.0
	164	0.68	0.09	136.7	165	0.49	0.07	136.7				
	10	1.60	0.72	450.0	11	0.53	0.08	150.0	12	0.33	0.03	86.0
	13	1.64	0.74	450.0	15	0.57	0.21	364.0	23	0.90	0.40	450.0
	52	0.41	0.06	136.7	55	0.54	0.22	410.0	56	0.85	0.35	410.0
66	57	1.19	0.49	410.0	58	1.50	0.47	310.0	59	0.59	0.26	450.0
	60	0.96	0.43	450.0	61	1.00	0.31	310.0	62	0.77	0.11	136.7
	63	0.48	0.20	410.0	64	0.74	0.30	410.0	65	1.41	0.58	410.0
	66	1.66	0.51	310.0	67	1.87	0.58	310.0	73	0.76	0.28	364.0
	74	1.48	0.28	191.0	75	1.29	0.25	191.0	83	1.10	0.11	100.0
	84	1.32	0.13	100.0	88	0.94	0.24	259.0	89	1.24	0.56	450.0
	90	0.80	0.21	259.0	94	0.72	0.07	100.0	95	1.00	0.10	100.0
	100	0.12	0.01	86.0	101	1.82	0.82	450.0	102	1.91	0.59	310.0
	105	1.48	0.15	100.0	130	0.45	0.06	136.7	133	0.15	0.01	86.0
	135	0.60	0.08	136.7	136	0.73	0.10	136.7	137	0.33	0.05	150.0
	138	0.54	0.08	150.0	139	0.82	0.11	136.7	142	0.74	0.11	150.0
	143	0.84	0.13	150.0	144	1.15	0.17	150.0	145	0.97	0.15	150.0
	146	1.12	0.17	150.0	147	0.73	0.11	150.0	148	0.86	0.13	150.0
	149	0.70	0.11	150.0	158	1.01	0.14	136.7	159	0.66	0.09	136.7
	160	0.61	0.08	136.7	162	0.58	0.08	136.7	163	0.45	0.03	64.0
	164	1.07	0.15	136.7	165	0.67	0.09	136.7				
67	10	1.23	0.55	450.0	11	0.41	0.06	150.0	12	0.27	0.02	86.0
	13	0.91	0.41	450.0	15	0.82	0.30	364.0	23	1.01	0.45	450.0
	52	0.58	0.08	136.7	55	0.85	0.35	410.0	56	0.95	0.39	410.0
	57	1.04	0.42	410.0	58	0.88	0.27	310.0	59	0.94	0.42	450.0
	60	0.58	0.26	450.0	61	0.64	0.20	310.0	62	0.81	0.11	136.7
	63	0.70	0.29	410.0	64	0.51	0.21	410.0	65	0.81	0.33	410.0
	66	0.94	0.29	310.0	67	0.99	0.31	310.0	73	0.48	0.18	364.0
	74	0.95	0.18	191.0	75	0.77	0.15	191.0	83	0.69	0.07	100.0
	84	0.98	0.10	100.0	88	0.50	0.13	259.0	89	0.65	0.29	450.0
	90	0.52	0.13	259.0	94	0.50	0.05	100.0	95	0.81	0.08	100.0
	100	0.16	0.01	86.0	101	1.00	0.45	450.0	102	1.08	0.33	310.0
	105	0.74	0.07	100.0	130	0.68	0.09	136.7	133	0.12	0.01	86.0
	135	0.73	0.10	136.7	136	1.01	0.14	136.7	137	0.44	0.07	150.0
	138	0.50	0.08	150.0	139	1.04	0.14	136.7	142	1.03	0.15	150.0
	143	1.17	0.18	150.0	144	1.13	0.17	150.0	145	1.20	0.18	150.0
	146	1.03	0.15	150.0	147	0.96	0.14	150.0	148	0.92	0.14	150.0
68	149	0.87	0.13	150.0	158	0.96	0.13	136.7	159	0.68	0.09	136.7
	160	0.83	0.11	136.7	162	0.81	0.11	136.7	163	0.56	0.04	64.0
	164	1.00	0.14	136.7	165	0.74	0.10	136.7				
	10	1.14	0.51	450.0	11	0.37	0.06	150.0	12	0.032.37e-03		86.0
	13	0.75	0.34	450.0	15	0.79	0.29	364.0	23	0.97	0.44	450.0
	52	0.55	0.08	136.7	55	0.86	0.35	410.0	56	0.87	0.35	410.0
	57	0.95	0.39	410.0	58	0.73	0.23	310.0	59	0.93	0.42	450.0
	60	0.45	0.20	450.0	61	0.55	0.17	310.0	62	0.68	0.09	136.7
	63	0.67	0.27	410.0	64	0.45	0.18	410.0	65	0.92	0.38	410.0
	66	1.07	0.33	310.0	67	1.17	0.36	310.0	73	0.45	0.17	364.0
	74	0.76	0.15	191.0	75	0.75	0.14	191.0	83	0.53	0.05	100.0
	84	0.72	0.07	100.0	88	0.73	0.19	259.0	89	0.64	0.29	450.0
	90	0.48	0.12	259.0	94	0.33	0.03	100.0	95	0.52	0.05	100.0
	100	0.108.50e-03		86.0	101	0.95	0.43	450.0	102	1.05	0.33	310.0
	105	1.39	0.14	100.0	130	0.65	0.09	136.7	133	0.076.36e-03		86.0
	135	0.66	0.09	136.7	136	0.99	0.13	136.7	137	0.43	0.06	150.0
	138	0.47	0.07	150.0	139	0.99	0.13	136.7	142	1.00	0.15	150.0
68	143	1.14	0.17	150.0	144	1.06	0.16	150.0	145	1.16	0.17	150.0
	146	0.95	0.14	150.0	147	0.90	0.14	150.0	148	0.83	0.12	150.0
	149	0.79	0.12	150.0	158	0.78	0.11	136.7	159	0.57	0.08	136.7
	160	0.79	0.11	136.7	162	0.79	0.11	136.7	163	0.56	0.04	64.0
	164	0.80	0.11	136.7	165	0.65	0.09	136.7				
	10	1.36	0.61	450.0	11	0.44	0.07	150.0	12	0.086.75e-03		86.0
	13	1.36	0.61	450.0	15	0.51	0.19	364.0	23	0.80	0.36	450.0
	52	0.35	0.05	136.7	55	0.54	0.22	410.0	56	0.63	0.26	410.0
	57	0.94	0.38	410.0	58	1.24	0.38	310.0	59	0.60	0.27	450.0
	60	0.79	0.36	450.0	61	0.90	0.28	310.0	62	0.52	0.07	136.7
	63	0.43	0.17	410.0	64	0.69	0.28	410.0	65	1.44	0.59	410.0
	66	1.69	0.52	310.0	67	1.89	0.59	310.0	73	0.72	0.26	364.0

69	74	1.20	0.23	191.0	75	1.19	0.23	191.0	83	0.87	0.09	100.0
	84	0.97	0.10	100.0	88	1.13	0.29	259.0	89	1.10	0.50	450.0
	90	0.72	0.19	259.0	94	0.53	0.05	100.0	95	0.60	0.06	100.0
	100	0.075.93e-03		86.0	101	1.62	0.73	450.0	102	1.72	0.53	310.0
	105	2.03	0.20	100.0	130	0.39	0.05	136.7	133	0.087.12e-03		86.0
	135	0.47	0.06	136.7	136	0.66	0.09	136.7	137	0.30	0.05	150.0
	138	0.47	0.07	150.0	139	0.68	0.09	136.7	142	0.69	0.10	150.0
	143	0.77	0.12	150.0	144	0.98	0.15	150.0	145	0.86	0.13	150.0
	146	0.92	0.14	150.0	147	0.63	0.10	150.0	148	0.68	0.10	150.0
	149	0.57	0.09	150.0	158	0.65	0.09	136.7	159	0.45	0.06	136.7
	160	0.52	0.07	136.7	162	0.50	0.07	136.7	163	0.41	0.03	64.0
	164	0.66	0.09	136.7	165	0.48	0.07	136.7				
	10	1.54	0.69	450.0	11	0.51	0.08	150.0	12	0.33	0.03	86.0
	13	1.58	0.71	450.0	15	0.55	0.20	364.0	23	0.88	0.40	450.0
	52	0.40	0.05	136.7	55	0.53	0.22	410.0	56	0.83	0.34	410.0
	57	1.14	0.47	410.0	58	1.44	0.45	310.0	59	0.60	0.27	450.0
	60	0.94	0.42	450.0	61	0.99	0.31	310.0	62	0.76	0.10	136.7
	63	0.47	0.19	410.0	64	0.75	0.31	410.0	65	1.37	0.56	410.0
	66	1.61	0.50	310.0	67	1.80	0.56	310.0	73	0.76	0.28	364.0
	74	1.45	0.28	191.0	75	1.27	0.24	191.0	83	1.07	0.11	100.0
	84	1.31	0.13	100.0	88	0.91	0.23	259.0	89	1.18	0.53	450.0
	90	0.79	0.20	259.0	94	0.71	0.07	100.0	95	1.00	0.10	100.0
70	100	0.129.97e-03		86.0	101	1.75	0.79	450.0	102	1.83	0.57	310.0
	105	1.43	0.14	100.0	130	0.44	0.06	136.7	133	0.14	0.01	86.0
	135	0.59	0.08	136.7	136	0.73	0.10	136.7	137	0.33	0.05	150.0
	138	0.53	0.08	150.0	139	0.81	0.11	136.7	142	0.74	0.11	150.0
	143	0.83	0.12	150.0	144	1.12	0.17	150.0	145	0.95	0.14	150.0
	146	1.08	0.16	150.0	147	0.72	0.11	150.0	148	0.83	0.12	150.0
	149	0.68	0.10	150.0	158	0.99	0.14	136.7	159	0.64	0.09	136.7
	160	0.60	0.08	136.7	162	0.57	0.08	136.7	163	0.44	0.03	64.0
	164	1.05	0.14	136.7	165	0.66	0.09	136.7				
	10	1.27	0.57	450.0	11	0.43	0.06	150.0	12	0.27	0.02	86.0
	13	0.97	0.44	450.0	15	0.83	0.30	364.0	23	1.01	0.46	450.0
	52	0.59	0.08	136.7	55	0.86	0.35	410.0	56	0.96	0.39	410.0
	57	1.07	0.44	410.0	58	0.93	0.29	310.0	59	0.93	0.42	450.0
	60	0.59	0.27	450.0	61	0.64	0.20	310.0	62	0.83	0.11	136.7
	63	0.71	0.29	410.0	64	0.51	0.21	410.0	65	0.85	0.35	410.0
	66	0.99	0.31	310.0	67	1.07	0.33	310.0	73	0.48	0.18	364.0
	74	0.98	0.19	191.0	75	0.79	0.15	191.0	83	0.72	0.07	100.0
	84	0.99	0.10	100.0	88	0.52	0.14	259.0	89	0.71	0.32	450.0
	90	0.53	0.14	259.0	94	0.51	0.05	100.0	95	0.80	0.08	100.0
	100	0.16	0.01	86.0	101	1.07	0.48	450.0	102	1.15	0.36	310.0
	105	0.79	0.08	100.0	130	0.69	0.09	136.7	133	0.12	0.01	86.0
71	135	0.75	0.10	136.7	136	1.02	0.14	136.7	137	0.44	0.07	150.0
	138	0.51	0.08	150.0	139	1.05	0.14	136.7	142	1.02	0.15	150.0
	143	1.17	0.18	150.0	144	1.15	0.17	150.0	145	1.20	0.18	150.0
	146	1.06	0.16	150.0	147	0.97	0.15	150.0	148	0.94	0.14	150.0
	149	0.89	0.13	150.0	158	0.98	0.13	136.7	159	0.69	0.09	136.7
	160	0.84	0.12	136.7	162	0.82	0.11	136.7	163	0.57	0.04	64.0
	164	1.02	0.14	136.7	165	0.75	0.10	136.7				
	10	1.38	0.62	450.0	11	0.44	0.07	150.0	12	0.19	0.02	86.0
	13	1.09	0.49	450.0	15	0.70	0.26	364.0	23	1.00	0.45	450.0
	52	0.50	0.07	136.7	55	0.83	0.34	410.0	56	0.96	0.39	410.0
	57	1.13	0.46	410.0	58	0.94	0.29	310.0	59	0.88	0.40	450.0
	60	0.53	0.24	450.0	61	0.46	0.14	310.0	62	0.74	0.10	136.7
	63	0.60	0.25	410.0	64	0.15	0.06	410.0	65	0.61	0.25	410.0
	66	0.79	0.24	310.0	67	1.06	0.33	310.0	73	0.26	0.09	364.0
	74	0.87	0.17	191.0	75	0.56	0.11	191.0	83	0.61	0.06	100.0
	84	0.85	0.09	100.0	88	0.46	0.12	259.0	89	0.83	0.38	450.0
	90	0.43	0.11	259.0	94	0.34	0.03	100.0	95	0.67	0.07	100.0
	100	0.097.46e-03		86.0	101	1.16	0.52	450.0	102	1.12	0.35	310.0
	105	0.65	0.07	100.0	130	0.64	0.09	136.7	133	0.15	0.01	86.0
	135	0.64	0.09	136.7	136	0.95	0.13	136.7	137	0.42	0.06	150.0
	138	0.51	0.08	150.0	139	0.99	0.14	136.7	142	0.94	0.14	150.0
	143	1.08	0.16	150.0	144	1.14	0.17	150.0	145	1.14	0.17	150.0
72	146	1.01	0.15	150.0	147	0.82	0.12	150.0	148	0.83	0.12	150.0
	149	0.74	0.11	150.0	158	0.93	0.13	136.7	159	0.63	0.09	136.7
	160	0.73	0.10	136.7	162	0.77	0.11	136.7	163	0.53	0.03	64.0
	164	1.02	0.14	136.7	165	0.74	0.10	136.7				
	10	1.27	0.57	450.0	11	0.39	0.06	150.0	12	0.119.05e-03		86.0
	13	1.37	0.62	450.0	15	0.14	0.05	364.0	23	0.60	0.27	450.0
	52	0.10	0.01	136.7	55	0.22	0.09	410.0	56	0.37	0.15	410.0
	57	0.83	0.34	410.0	58	1.23	0.38	310.0	59	0.29	0.13	450.0
	60	0.78	0.35	450.0	61	0.83	0.26	310.0	62	0.30	0.04	136.7
	63	0.12	0.05	410.0	64	0.62	0.26	410.0	65	1.37	0.56	410.0
	66	1.61	0.50	310.0	67	1.90	0.59	310.0	73	0.70	0.25	364.0
	74	1.12	0.21	191.0	75	1.13	0.22	191.0	83	0.83	0.08	100.0

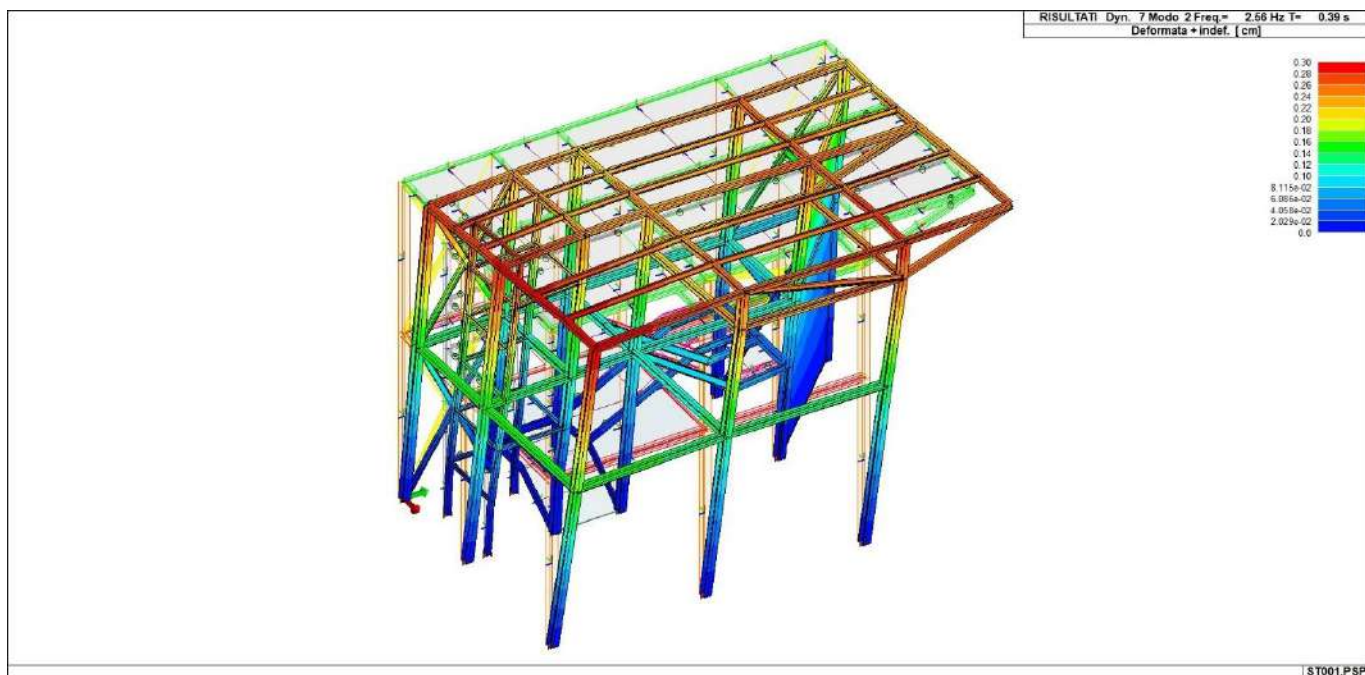
73	84	0.96	0.10	100.0	88	1.10	0.29	259.0	89	1.16	0.52	450.0
	90	0.67	0.17	259.0	94	0.48	0.05	100.0	95	0.58	0.06	100.0
	100	0.087.15e-03		86.0	101	1.59	0.72	450.0	102	1.69	0.52	310.0
	105	1.95	0.20	100.0	130	0.16	0.02	136.7	133	0.12	0.01	86.0
	135	0.24	0.03	136.7	136	0.31	0.04	136.7	137	0.19	0.03	150.0
	138	0.40	0.06	150.0	139	0.34	0.05	136.7	142	0.36	0.05	150.0
	143	0.38	0.06	150.0	144	0.79	0.12	150.0	145	0.55	0.08	150.0
	146	0.76	0.11	150.0	147	0.28	0.04	150.0	148	0.49	0.07	150.0
	149	0.29	0.04	150.0	158	0.41	0.06	136.7	159	0.27	0.04	136.7
	160	0.17	0.02	136.7	162	0.21	0.03	136.7	163	0.20	0.01	64.0
	164	0.45	0.06	136.7	165	0.30	0.04	136.7				
	10	1.47	0.66	450.0	11	0.46	0.07	150.0	12	0.32	0.03	86.0
	13	1.59	0.71	450.0	15	0.13	0.05	364.0	23	0.71	0.32	450.0
	52	0.12	0.02	136.7	55	0.23	0.09	410.0	56	0.66	0.27	410.0
	57	1.05	0.43	410.0	58	1.44	0.45	310.0	59	0.30	0.13	450.0
74	60	0.93	0.42	450.0	61	0.93	0.29	310.0	62	0.57	0.08	136.7
	63	0.09	0.04	410.0	64	0.68	0.28	410.0	65	1.30	0.53	410.0
	66	1.53	0.48	310.0	67	1.81	0.56	310.0	73	0.75	0.27	364.0
	74	1.39	0.27	191.0	75	1.15	0.22	191.0	83	1.04	0.10	100.0
	84	1.24	0.12	100.0	88	0.87	0.22	259.0	89	1.24	0.56	450.0
	90	0.74	0.19	259.0	94	0.67	0.07	100.0	95	0.94	0.09	100.0
	100	0.032.63e-03		86.0	101	1.73	0.78	450.0	102	1.80	0.56	310.0
	105	1.36	0.14	100.0	130	0.16	0.02	136.7	133	0.16	0.01	86.0
	135	0.35	0.05	136.7	136	0.41	0.06	136.7	137	0.23	0.03	150.0
	138	0.46	0.07	150.0	139	0.53	0.07	136.7	142	0.41	0.06	150.0
	143	0.45	0.07	150.0	144	0.95	0.14	150.0	145	0.66	0.10	150.0
	146	0.90	0.13	150.0	147	0.33	0.05	150.0	148	0.60	0.09	150.0
	149	0.36	0.05	150.0	158	0.82	0.11	136.7	159	0.49	0.07	136.7
	160	0.26	0.04	136.7	162	0.29	0.04	136.7	163	0.26	0.02	64.0
	164	0.90	0.12	136.7	165	0.50	0.07	136.7				
	10	1.23	0.56	450.0	11	0.39	0.06	150.0	12	0.12	0.01	86.0
75	13	0.88	0.40	450.0	15	0.74	0.27	364.0	23	0.95	0.43	450.0
	52	0.53	0.07	136.7	55	0.83	0.34	410.0	56	0.84	0.34	410.0
	57	0.99	0.41	410.0	58	0.72	0.22	310.0	59	0.87	0.39	450.0
	60	0.39	0.17	450.0	61	0.37	0.11	310.0	62	0.67	0.09	136.7
	63	0.64	0.26	410.0	64	0.09	0.04	410.0	65	0.68	0.28	410.0
	66	0.85	0.26	310.0	67	1.15	0.36	310.0	73	0.15	0.05	364.0
	74	0.53	0.10	191.0	75	0.54	0.10	191.0	83	0.37	0.04	100.0
	84	0.65	0.07	100.0	88	0.74	0.19	259.0	89	0.75	0.34	450.0
	90	0.34	0.09	259.0	94	0.054.81e-03		100.0	95	0.43	0.04	100.0
	100	0.15	0.01	86.0	101	1.00	0.45	450.0	102	0.97	0.30	310.0
	105	1.23	0.12	100.0	130	0.66	0.09	136.7	133	0.13	0.01	86.0
	135	0.65	0.09	136.7	136	0.93	0.13	136.7	137	0.41	0.06	150.0
	138	0.48	0.07	150.0	139	0.94	0.13	136.7	142	0.94	0.14	150.0
	143	1.07	0.16	150.0	144	1.06	0.16	150.0	145	1.11	0.17	150.0
	146	0.96	0.14	150.0	147	0.86	0.13	150.0	148	0.83	0.12	150.0
	149	0.77	0.12	150.0	158	0.74	0.10	136.7	159	0.57	0.08	136.7
76	160	0.74	0.10	136.7	162	0.77	0.10	136.7	163	0.51	0.03	64.0
	164	0.80	0.11	136.7	165	0.68	0.09	136.7				
	10	1.24	0.56	450.0	11	0.38	0.06	150.0	12	0.21	0.02	86.0
	13	0.99	0.44	450.0	15	0.61	0.22	364.0	23	0.91	0.41	450.0
	52	0.43	0.06	136.7	55	0.74	0.30	410.0	56	0.85	0.35	410.0
	57	1.00	0.41	410.0	58	0.85	0.26	310.0	59	0.81	0.37	450.0
	60	0.51	0.23	450.0	61	0.45	0.14	310.0	62	0.65	0.09	136.7
	63	0.51	0.21	410.0	64	0.24	0.10	410.0	65	0.62	0.25	410.0
	66	0.76	0.24	310.0	67	1.00	0.31	310.0	73	0.33	0.12	364.0
	74	0.84	0.16	191.0	75	0.55	0.11	191.0	83	0.60	0.06	100.0
	84	0.85	0.08	100.0	88	0.42	0.11	259.0	89	0.77	0.35	450.0
	90	0.43	0.11	259.0	94	0.35	0.04	100.0	95	0.67	0.07	100.0
	100	0.076.23e-03		86.0	101	1.04	0.47	450.0	102	1.03	0.32	310.0
	105	0.61	0.06	100.0	130	0.55	0.07	136.7	133	0.14	0.01	86.0
	135	0.55	0.08	136.7	136	0.85	0.12	136.7	137	0.39	0.06	150.0
	138	0.46	0.07	150.0	139	0.88	0.12	136.7	142	0.86	0.13	150.0
76	143	0.97	0.15	150.0	144	1.02	0.15	150.0	145	1.02	0.15	150.0
	146	0.87	0.13	150.0	147	0.71	0.11	150.0	148	0.72	0.11	150.0
	149	0.63	0.09	150.0	158	0.82	0.11	136.7	159	0.55	0.07	136.7
	160	0.63	0.09	136.7	162	0.67	0.09	136.7	163	0.46	0.03	64.0
	164	0.91	0.12	136.7	165	0.64	0.09	136.7				
	10	1.41	0.64	450.0	11	0.44	0.07	150.0	12	0.097.94e-03		86.0
	13	1.46	0.66	450.0	15	0.24	0.09	364.0	23	0.68	0.31	450.0
	52	0.18	0.02	136.7	55	0.31	0.13	410.0	56	0.47	0.19	410.0
	57	0.94	0.38	410.0	58	1.27	0.39	310.0	59	0.35	0.16	450.0
	60	0.78	0.35	450.0	61	0.80	0.25	310.0	62	0.38	0.05	136.7
	63	0.21	0.09	410.0	64	0.53	0.22	410.0	65	1.37	0.56	410.0
	66	1.63	0.51	310.0	67	1.96	0.61	310.0	73	0.62	0.23	364.0
	74	1.12	0.21	191.0	75	1.13	0.21	191.0	83	0.82	0.08	100.0
	84	0.95	0.09	100.0	88	1.15	0.30	259.0	89	1.23	0.55	450.0

77	90	0.67	0.17	259.0	94	0.41	0.04	100.0	95	0.52	0.05	100.0
	100	0.097	5.2e-03	86.0	101	1.69	0.76	450.0	102	1.75	0.54	310.0
	105	2.00	0.20	100.0	130	0.25	0.03	136.7	133	0.13	0.01	86.0
	135	0.31	0.04	136.7	136	0.41	0.06	136.7	137	0.22	0.03	150.0
	138	0.45	0.07	150.0	139	0.44	0.06	136.7	142	0.44	0.07	150.0
	143	0.48	0.07	150.0	144	0.90	0.13	150.0	145	0.65	0.10	150.0
	146	0.86	0.13	150.0	147	0.38	0.06	150.0	148	0.57	0.09	150.0
	149	0.37	0.06	150.0	158	0.50	0.07	136.7	159	0.35	0.05	136.7
	160	0.27	0.04	136.7	162	0.31	0.04	136.7	163	0.25	0.02	64.0
	164	0.55	0.08	136.7	165	0.38	0.05	136.7				
	10	1.61	0.72	450.0	11	0.51	0.08	150.0	12	0.30	0.03	86.0
	13	1.68	0.75	450.0	15	0.21	0.08	364.0	23	0.79	0.35	450.0
	52	0.18	0.02	136.7	55	0.32	0.13	410.0	56	0.74	0.30	410.0
	57	1.16	0.47	410.0	58	1.49	0.46	310.0	59	0.36	0.16	450.0
	60	0.92	0.41	450.0	61	0.89	0.28	310.0	62	0.62	0.09	136.7
78	63	0.17	0.07	410.0	64	0.59	0.24	410.0	65	1.30	0.53	410.0
	66	1.56	0.48	310.0	67	1.87	0.58	310.0	73	0.67	0.24	364.0
	74	1.41	0.27	191.0	75	1.15	0.22	191.0	83	1.04	0.10	100.0
	84	1.25	0.12	100.0	88	0.91	0.23	259.0	89	1.30	0.59	450.0
	90	0.74	0.19	259.0	94	0.63	0.06	100.0	95	0.90	0.09	100.0
	100	0.043	0.9e-03	86.0	101	1.84	0.83	450.0	102	1.88	0.58	310.0
	105	1.41	0.14	100.0	130	0.24	0.03	136.7	133	0.17	0.01	86.0
	135	0.40	0.05	136.7	136	0.49	0.07	136.7	137	0.26	0.04	150.0
	138	0.51	0.08	150.0	139	0.61	0.08	136.7	142	0.48	0.07	150.0
	143	0.54	0.08	150.0	144	1.05	0.16	150.0	145	0.75	0.11	150.0
	146	0.99	0.15	150.0	147	0.41	0.06	150.0	148	0.67	0.10	150.0
	149	0.42	0.06	150.0	158	0.89	0.12	136.7	159	0.54	0.07	136.7
	160	0.33	0.04	136.7	162	0.37	0.05	136.7	163	0.30	0.02	64.0
	164	0.99	0.14	136.7	165	0.57	0.08	136.7				
	10	1.10	0.49	450.0	11	0.34	0.05	150.0	12	0.119	5.9e-03	86.0
	13	0.77	0.35	450.0	15	0.65	0.23	364.0	23	0.87	0.39	450.0
79	52	0.46	0.06	136.7	55	0.73	0.30	410.0	56	0.74	0.30	410.0
	57	0.86	0.35	410.0	58	0.64	0.20	310.0	59	0.81	0.36	450.0
	60	0.37	0.16	450.0	61	0.35	0.11	310.0	62	0.57	0.08	136.7
	63	0.55	0.23	410.0	64	0.18	0.07	410.0	65	0.68	0.28	410.0
	66	0.83	0.26	310.0	67	1.08	0.34	310.0	73	0.24	0.09	364.0
	74	0.54	0.10	191.0	75	0.54	0.10	191.0	83	0.37	0.04	100.0
	84	0.66	0.07	100.0	88	0.68	0.18	259.0	89	0.69	0.31	450.0
	90	0.35	0.09	259.0	94	0.12	0.01	100.0	95	0.45	0.05	100.0
	100	0.14	0.01	86.0	101	0.89	0.40	450.0	102	0.89	0.28	310.0
	105	1.18	0.12	100.0	130	0.57	0.08	136.7	133	0.12	0.01	86.0
	135	0.56	0.08	136.7	136	0.83	0.11	136.7	137	0.38	0.06	150.0
	138	0.43	0.06	150.0	139	0.83	0.11	136.7	142	0.85	0.13	150.0
	143	0.96	0.14	150.0	144	0.95	0.14	150.0	145	0.99	0.15	150.0
	146	0.82	0.12	150.0	147	0.74	0.11	150.0	148	0.72	0.11	150.0
	149	0.67	0.10	150.0	158	0.63	0.09	136.7	159	0.48	0.07	136.7
	160	0.64	0.09	136.7	162	0.67	0.09	136.7	163	0.44	0.03	64.0
80	164	0.69	0.09	136.7	165	0.58	0.08	136.7				
	10	1.20	0.54	450.0	11	0.40	0.06	150.0	12	0.19	0.02	86.0
	13	0.87	0.39	450.0	15	0.75	0.27	364.0	23	0.94	0.42	450.0
	52	0.53	0.07	136.7	55	0.85	0.35	410.0	56	0.95	0.39	410.0
	57	1.02	0.42	410.0	58	0.71	0.22	310.0	59	0.86	0.39	450.0
	60	0.45	0.20	450.0	61	0.41	0.13	310.0	62	0.75	0.10	136.7
	63	0.64	0.26	410.0	64	0.18	0.07	410.0	65	0.50	0.20	410.0
	66	0.64	0.20	310.0	67	0.82	0.25	310.0	73	0.27	0.10	364.0
	74	0.76	0.15	191.0	75	0.46	0.09	191.0	83	0.52	0.05	100.0
	84	0.83	0.08	100.0	88	0.35	0.09	259.0	89	0.64	0.29	450.0
	90	0.40	0.10	259.0	94	0.31	0.03	100.0	95	0.68	0.07	100.0
	100	0.097	7.9e-03	86.0	101	0.92	0.41	450.0	102	0.85	0.26	310.0
	105	0.50	0.05	100.0	130	0.67	0.09	136.7	133	0.14	0.01	86.0
	135	0.68	0.09	136.7	136	0.97	0.13	136.7	137	0.42	0.06	150.0
	138	0.47	0.07	150.0	139	1.00	0.14	136.7	142	0.93	0.14	150.0
	143	1.08	0.16	150.0	144	1.06	0.16	150.0	145	1.11	0.17	150.0
	146	0.97	0.15	150.0	147	0.87	0.13	150.0	148	0.83	0.13	150.0
	149	0.78	0.12	150.0	158	0.94	0.13	136.7	159	0.64	0.09	136.7
80	160	0.77	0.11	136.7	162	0.80	0.11	136.7	163	0.56	0.04	64.0
	164	1.01	0.14	136.7	165	0.75	0.10	136.7				
	10	1.05	0.47	450.0	11	0.33	0.05	150.0	12	0.119	4.8e-03	86.0
	13	1.17	0.53	450.0	15	0.19	0.07	364.0	23	0.51	0.23	450.0
	52	0.14	0.02	136.7	55	0.23	0.10	410.0	56	0.35	0.14	410.0
	57	0.65	0.27	410.0	58	1.05	0.32	310.0	59	0.26	0.12	450.0
	60	0.73	0.33	450.0	61	0.82	0.25	310.0	62	0.29	0.04	136.7
	63	0.17	0.07	410.0	64	0.64	0.26	410.0	65	1.25	0.51	410.0
	66	1.47	0.46	310.0	67	1.65	0.51	310.0	73	0.70	0.25	364.0
	74	1.02	0.20	191.0	75	1.02	0.20	191.0	83	0.75	0.07	100.0
	84	0.87	0.09	100.0	88	0.99	0.26	259.0	89	0.96	0.43	450.0
	90	0.61	0.16	259.0	94	0.49	0.05	100.0	95	0.59	0.06	100.0

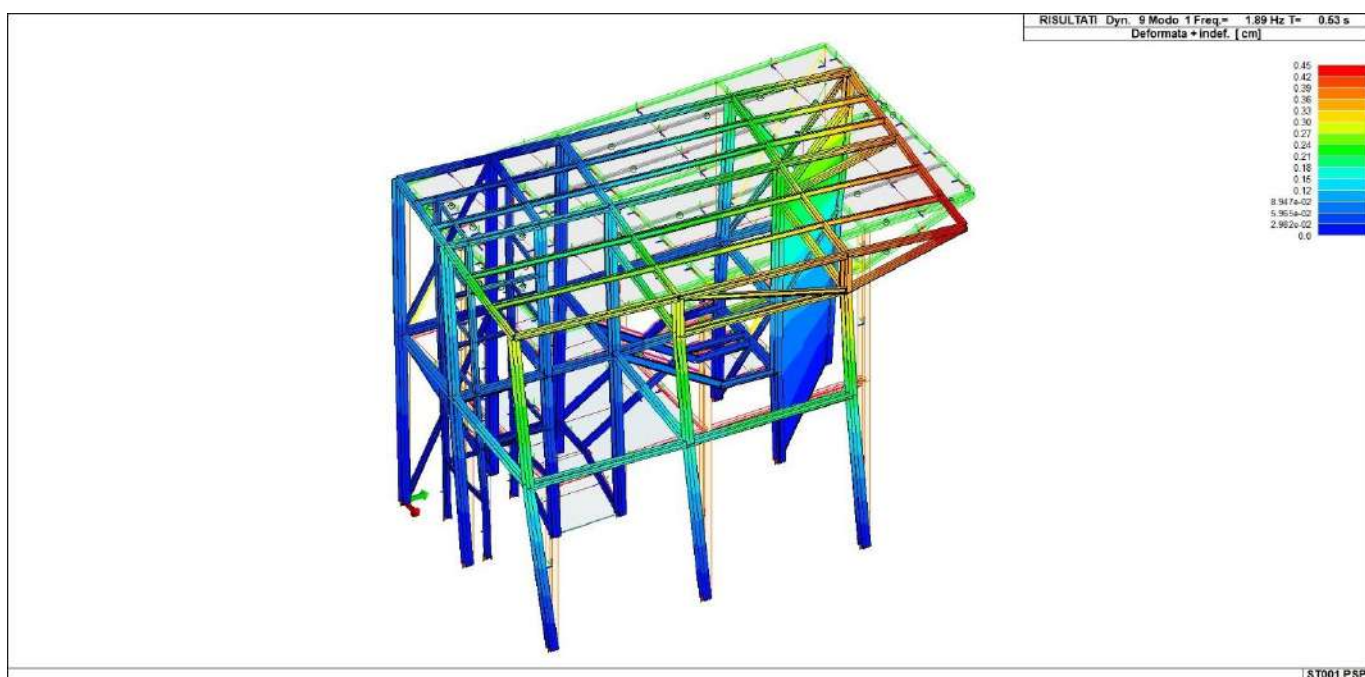
81	100	0.097.91e-03	86.0	101	1.37	0.62	450.0	102	1.45	0.45	310.0
	105	1.78	0.18	100.0	130	0.19	0.03	136.7	133	0.119.10e-03	86.0
	135	0.26	0.04	136.7	136	0.32	0.04	136.7	137	0.18	0.03
	138	0.34	0.05	150.0	139	0.33	0.04	136.7	142	0.34	0.05
	143	0.37	0.06	150.0	144	0.68	0.10	150.0	145	0.48	0.07
	146	0.65	0.10	150.0	147	0.31	0.05	150.0	148	0.43	0.07
	149	0.30	0.04	150.0	158	0.38	0.05	136.7	159	0.26	0.04
	160	0.21	0.03	136.7	162	0.23	0.03	136.7	163	0.22	0.01
	164	0.41	0.06	136.7	165	0.29	0.04	136.7			
	10	1.25	0.56	450.0	11	0.40	0.06	150.0	12	0.32	0.03
82	13	1.39	0.62	450.0	15	0.19	0.07	364.0	23	0.62	0.28
	52	0.13	0.02	136.7	55	0.24	0.10	410.0	56	0.62	0.25
	57	0.87	0.35	410.0	58	1.25	0.39	310.0	59	0.28	0.13
	60	0.87	0.39	450.0	61	0.91	0.28	310.0	62	0.53	0.07
	63	0.14	0.06	410.0	64	0.71	0.29	410.0	65	1.18	0.49
	66	1.39	0.43	310.0	67	1.56	0.48	310.0	73	0.75	0.27
	74	1.27	0.24	191.0	75	1.05	0.20	191.0	83	0.95	0.09
	84	1.20	0.12	100.0	88	0.76	0.20	259.0	89	1.04	0.47
	90	0.70	0.18	259.0	94	0.66	0.07	100.0	95	0.95	0.10
	100	0.022.12e-03	86.0	101	1.50	0.67	450.0	102	1.55	0.48	310.0
83	105	1.19	0.12	100.0	130	0.18	0.02	136.7	133	0.15	0.01
	135	0.36	0.05	136.7	136	0.42	0.06	136.7	137	0.22	0.03
	138	0.40	0.06	150.0	139	0.51	0.07	136.7	142	0.39	0.06
	143	0.43	0.07	150.0	144	0.83	0.12	150.0	145	0.59	0.09
	146	0.78	0.12	150.0	147	0.34	0.05	150.0	148	0.54	0.08
	149	0.35	0.05	150.0	158	0.77	0.11	136.7	159	0.46	0.06
	160	0.27	0.04	136.7	162	0.30	0.04	136.7	163	0.27	0.02
	164	0.85	0.12	136.7	165	0.48	0.07	136.7			
	10	1.07	0.48	450.0	11	0.37	0.06	150.0	12	0.13	0.01
	13	0.66	0.30	450.0	15	0.79	0.29	364.0	23	0.89	0.40
84	52	0.57	0.08	136.7	55	0.84	0.35	410.0	56	0.85	0.35
	57	0.91	0.37	410.0	58	0.49	0.15	310.0	59	0.85	0.38
	60	0.30	0.14	450.0	61	0.32	0.10	310.0	62	0.70	0.10
	63	0.68	0.28	410.0	64	0.11	0.05	410.0	65	0.56	0.23
	66	0.70	0.22	310.0	67	0.90	0.28	310.0	73	0.16	0.06
	74	0.45	0.09	191.0	75	0.43	0.08	191.0	83	0.30	0.03
	84	0.59	0.06	100.0	88	0.62	0.16	259.0	89	0.55	0.25
	90	0.29	0.07	259.0	94	0.076.91e-03	100.0	95	0.42	0.04	100.0
	100	0.16	0.01	86.0	101	0.76	0.34	450.0	102	0.71	0.22
	105	1.06	0.11	100.0	130	0.69	0.09	136.7	133	0.13	0.01
85	135	0.69	0.09	136.7	136	0.96	0.13	136.7	137	0.41	0.06
	138	0.44	0.07	150.0	139	0.95	0.13	136.7	142	0.93	0.14
	143	1.07	0.16	150.0	144	1.00	0.15	150.0	145	1.09	0.16
	146	0.95	0.14	150.0	147	0.91	0.14	150.0	148	0.85	0.13
	149	0.82	0.12	150.0	158	0.78	0.11	136.7	159	0.59	0.08
	160	0.79	0.11	136.7	162	0.80	0.11	136.7	163	0.54	0.03
	164	0.81	0.11	136.7	165	0.70	0.10	136.7			
	10	1.06	0.48	450.0	11	0.34	0.05	150.0	12	0.20	0.02
	13	0.77	0.35	450.0	15	0.66	0.24	364.0	23	0.85	0.38
	52	0.46	0.06	136.7	55	0.75	0.31	410.0	56	0.85	0.35
86	57	0.90	0.37	410.0	58	0.64	0.20	310.0	59	0.79	0.36
	60	0.44	0.20	450.0	61	0.41	0.13	310.0	62	0.65	0.09
	63	0.55	0.23	410.0	64	0.27	0.11	410.0	65	0.50	0.20
	66	0.61	0.19	310.0	67	0.76	0.24	310.0	73	0.34	0.12
	74	0.73	0.14	191.0	75	0.45	0.09	191.0	83	0.51	0.05
	84	0.83	0.08	100.0	88	0.32	0.08	259.0	89	0.58	0.26
	90	0.39	0.10	259.0	94	0.33	0.03	100.0	95	0.69	0.07
	100	0.086.67e-03	86.0	101	0.81	0.36	450.0	102	0.77	0.24	310.0
	105	0.46	0.05	100.0	130	0.57	0.08	136.7	133	0.13	0.01
	135	0.59	0.08	136.7	136	0.87	0.12	136.7	137	0.38	0.06
87	138	0.42	0.06	150.0	139	0.89	0.12	136.7	142	0.84	0.13
	143	0.97	0.15	150.0	144	0.95	0.14	150.0	145	1.00	0.15
	146	0.84	0.13	150.0	147	0.76	0.11	150.0	148	0.72	0.11
	149	0.67	0.10	150.0	158	0.82	0.11	136.7	159	0.56	0.08
	160	0.67	0.09	136.7	162	0.70	0.10	136.7	163	0.49	0.03
	164	0.89	0.12	136.7	165	0.65	0.09	136.7			
	10	1.19	0.54	450.0	11	0.38	0.06	150.0	12	0.108.42e-03	86.0
	13	1.25	0.56	450.0	15	0.29	0.11	364.0	23	0.60	0.27
	52	0.21	0.03	136.7	55	0.33	0.13	410.0	56	0.45	0.18
	57	0.77	0.31	410.0	58	1.07	0.33	310.0	59	0.33	0.15
88	60	0.71	0.32	450.0	61	0.77	0.24	310.0	62	0.37	0.05
	63	0.25	0.10	410.0	64	0.55	0.23	410.0	65	1.25	0.51
	66	1.49	0.46	310.0	67	1.72	0.53	310.0	73	0.62	0.23
	74	1.02	0.20	191.0	75	1.02	0.20	191.0	83	0.74	0.07
	84	0.87	0.09	100.0	88	1.04	0.27	259.0	89	1.03	0.46
	90	0.61	0.16	259.0	94	0.42	0.04	100.0	95	0.52	0.05
	100	0.108.31e-03	86.0	101	1.46	0.66	450.0	102	1.51	0.47	310.0

85	105	1.83	0.18	100.0	130	0.28	0.04	136.7	133	0.12	0.01	86.0
	135	0.34	0.05	136.7	136	0.42	0.06	136.7	137	0.21	0.03	150.0
	138	0.39	0.06	150.0	139	0.43	0.06	136.7	142	0.42	0.06	150.0
	143	0.47	0.07	150.0	144	0.78	0.12	150.0	145	0.59	0.09	150.0
	146	0.76	0.11	150.0	147	0.41	0.06	150.0	148	0.53	0.08	150.0
	149	0.39	0.06	150.0	158	0.48	0.07	136.7	159	0.34	0.05	136.7
	160	0.31	0.04	136.7	162	0.33	0.04	136.7	163	0.27	0.02	64.0
	164	0.52	0.07	136.7	165	0.38	0.05	136.7				
	10	1.39	0.62	450.0	11	0.45	0.07	150.0	12	0.30	0.03	86.0
	13	1.47	0.66	450.0	15	0.26	0.10	364.0	23	0.70	0.31	450.0
	52	0.19	0.03	136.7	55	0.34	0.14	410.0	56	0.71	0.29	410.0
	57	0.98	0.40	410.0	58	1.28	0.40	310.0	59	0.34	0.15	450.0
	60	0.86	0.39	450.0	61	0.87	0.27	310.0	62	0.59	0.08	136.7
	63	0.22	0.09	410.0	64	0.61	0.25	410.0	65	1.18	0.48	410.0
	66	1.41	0.44	310.0	67	1.63	0.50	310.0	73	0.67	0.24	364.0
	74	1.29	0.25	191.0	75	1.05	0.20	191.0	83	0.95	0.10	100.0
86	84	1.20	0.12	100.0	88	0.80	0.21	259.0	89	1.11	0.50	450.0
	90	0.70	0.18	259.0	94	0.61	0.06	100.0	95	0.92	0.09	100.0
	100	0.032.86e-03		86.0	101	1.60	0.72	450.0	102	1.62	0.50	310.0
	105	1.24	0.12	100.0	130	0.27	0.04	136.7	133	0.15	0.01	86.0
	135	0.42	0.06	136.7	136	0.51	0.07	136.7	137	0.25	0.04	150.0
	138	0.44	0.07	150.0	139	0.60	0.08	136.7	142	0.47	0.07	150.0
	143	0.53	0.08	150.0	144	0.93	0.14	150.0	145	0.69	0.10	150.0
	146	0.89	0.13	150.0	147	0.43	0.06	150.0	148	0.62	0.09	150.0
	149	0.43	0.06	150.0	158	0.85	0.12	136.7	159	0.52	0.07	136.7
	160	0.35	0.05	136.7	162	0.38	0.05	136.7	163	0.32	0.02	64.0
	164	0.94	0.13	136.7	165	0.55	0.08	136.7				
	10	0.94	0.42	450.0	11	0.32	0.05	150.0	12	0.12	0.01	86.0
	13	0.56	0.25	450.0	15	0.69	0.25	364.0	23	0.81	0.37	450.0
	52	0.49	0.07	136.7	55	0.75	0.31	410.0	56	0.75	0.31	410.0
	57	0.79	0.33	410.0	58	0.42	0.13	310.0	59	0.79	0.35	450.0
	60	0.30	0.13	450.0	61	0.32	0.10	310.0	62	0.61	0.08	136.7
	63	0.59	0.24	410.0	64	0.20	0.08	410.0	65	0.57	0.23	410.0
	66	0.68	0.21	310.0	67	0.84	0.26	310.0	73	0.24	0.09	364.0
	74	0.46	0.09	191.0	75	0.43	0.08	191.0	83	0.31	0.03	100.0
	84	0.60	0.06	100.0	88	0.57	0.15	259.0	89	0.49	0.22	450.0
	90	0.29	0.08	259.0	94	0.14	0.01	100.0	95	0.45	0.04	100.0
	100	0.15	0.01	86.0	101	0.66	0.30	450.0	102	0.65	0.20	310.0
	105	1.02	0.10	100.0	130	0.60	0.08	136.7	133	0.12	0.01	86.0
	135	0.60	0.08	136.7	136	0.85	0.12	136.7	137	0.37	0.06	150.0
	138	0.40	0.06	150.0	139	0.85	0.12	136.7	142	0.84	0.13	150.0
	143	0.97	0.14	150.0	144	0.89	0.13	150.0	145	0.98	0.15	150.0
	146	0.82	0.12	150.0	147	0.79	0.12	150.0	148	0.74	0.11	150.0
	149	0.71	0.11	150.0	158	0.67	0.09	136.7	159	0.51	0.07	136.7
	160	0.69	0.09	136.7	162	0.70	0.10	136.7	163	0.47	0.03	64.0
	164	0.70	0.10	136.7	165	0.61	0.08	136.7				

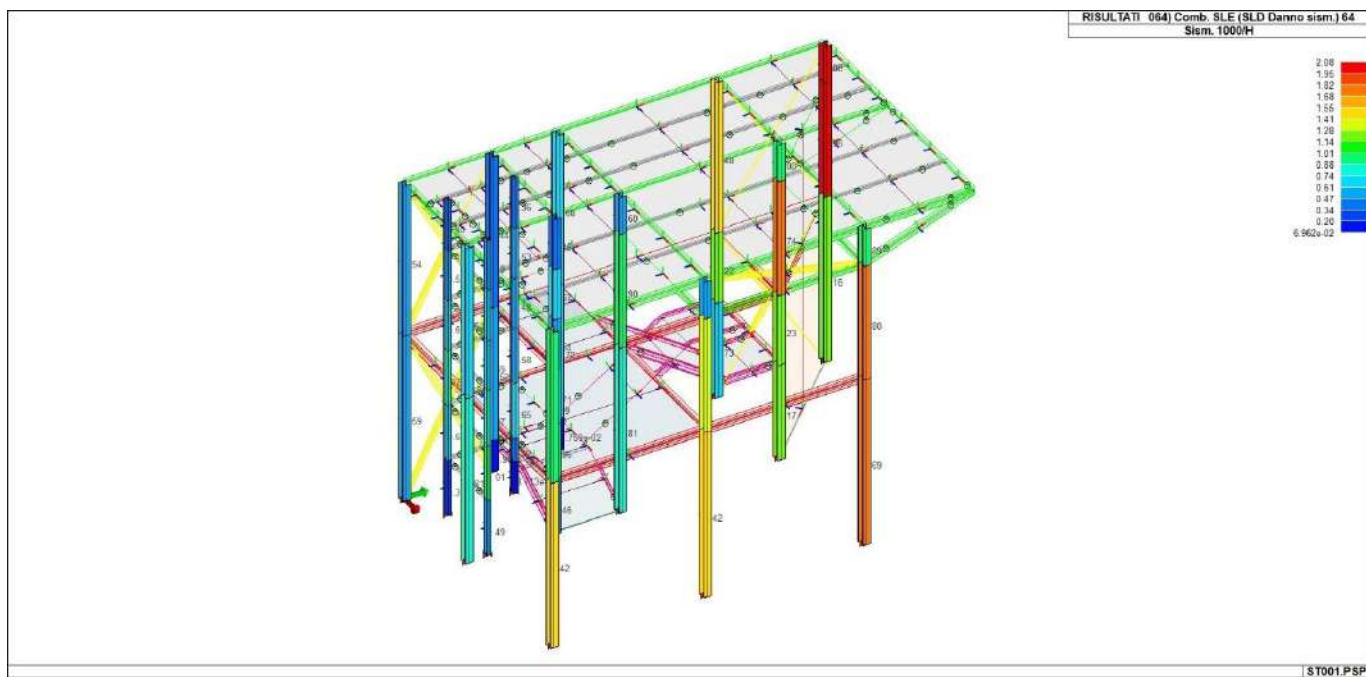
Cmb 1000 etaT/h
2.08



31_RIS_MODALOX_002_CDCEd dinamico SLU alfa00 ecc +



31_RIS_MODALOY_001_CDCEd dinamico SLU alfa9000 ecc +



31_RIS_SLE_064_Comb SLE SLD Danno sism 64

RISULTATI NODALI

LEGENDA RISULTATI NODALI

Il controllo dei risultati delle analisi condotte, per quanto concerne i nodi strutturali, è possibile in relazione alle tabelle sottoriportate.

Una prima tabella riporta infatti per ogni nodo e per ogni combinazione (o caso di carico) gli spostamenti nodali.

Una seconda tabella riporta per ogni nodo a cui sia associato un vincolo rigido e/o elastico o una fondazione speciale e per ogni combinazione (o caso di carico) i valori delle azioni esercitate dalla struttura sui vincoli (reazioni vincolari cambiate di segno).

Una terza tabella, infine riassume per ogni nodo le sei combinazioni in cui si attingono i valori minimi e massimi della reazione Fz, della reazione Mx e della reazione My.

Nodo	Cmb	Traslazione X	Traslazione Y	Traslazione Z	Rotazione X	Rotazione Y	Rotazione Z
		cm	cm	cm			
1	1	0.0	0.0	0.0	0.0	0.0	0.0
1	23	0.0	0.0	0.0	0.0	0.0	0.0
1	55	0.0	0.0	0.0	0.0	0.0	0.0
1	87	0.0	0.0	0.0	0.0	0.0	0.0
1	98	0.0	0.0	0.0	0.0	0.0	0.0
1	105	0.0	0.0	0.0	0.0	0.0	0.0
2	1	0.0	0.0	0.0	0.0	0.0	0.0
2	23	0.0	0.0	0.0	0.0	0.0	0.0
2	55	0.0	0.0	0.0	0.0	0.0	0.0
2	87	0.0	0.0	0.0	0.0	0.0	0.0
2	98	0.0	0.0	0.0	0.0	0.0	0.0
2	105	0.0	0.0	0.0	0.0	0.0	0.0
3	4	0.55	0.13	-0.02	-1.93e-04	-6.28e-05	-6.44e-04
3	11	0.57	0.12	-0.02	-2.43e-04	-1.32e-04	-7.16e-04
3	16	0.95	-0.06	-0.02	-1.98e-04	1.66e-04	-1.11e-03
3	31	1.34	-1.01	-0.01	-8.17e-06	9.58e-04	-1.56e-03
3	32	2.28	-2.17	-0.01	1.18e-04	1.77e-03	-3.16e-03
3	45	-2.10	2.55	-0.01	-3.86e-04	-1.97e-03	3.29e-03
3	56	1.03	-0.61	-0.01	-4.76e-05	7.11e-04	-8.76e-04
3	67	0.63	-0.47	-0.01	-6.65e-05	3.63e-04	-7.81e-04
3	77	-0.93	1.17	-0.01	-2.41e-04	-9.65e-04	1.38e-03
3	90	0.37	0.10	-0.01	-1.43e-04	-5.85e-05	-4.38e-04
3	93	0.38	0.09	-0.01	-1.77e-04	-1.05e-04	-4.86e-04
3	95	0.64	-0.03	-0.01	-1.47e-04	9.41e-05	-7.51e-04
3	99	2.30e-03	0.11	-9.11e-03	-1.22e-04	-1.70e-04	-5.41e-05
3	102	9.88e-03	0.10	-9.96e-03	-1.36e-04	-1.86e-04	-7.80e-05
3	103	0.14	0.05	-9.17e-03	-1.23e-04	-9.35e-05	-2.11e-04
3	105	0.01	0.07	-9.10e-03	-1.25e-04	-1.54e-04	-8.30e-05
3	106	6.98e-03	0.10	-9.11e-03	-1.23e-04	-1.64e-04	-6.57e-05
4	1	0.0	0.0	0.0	0.0	0.0	0.0
4	23	0.0	0.0	0.0	0.0	0.0	0.0
4	55	0.0	0.0	0.0	0.0	0.0	0.0
4	87	0.0	0.0	0.0	0.0	0.0	0.0
4	98	0.0	0.0	0.0	0.0	0.0	0.0
4	105	0.0	0.0	0.0	0.0	0.0	0.0
5	1	0.0	0.0	0.0	0.0	0.0	0.0
5	23	0.0	0.0	0.0	0.0	0.0	0.0
5	55	0.0	0.0	0.0	0.0	0.0	0.0
5	87	0.0	0.0	0.0	0.0	0.0	0.0
5	98	0.0	0.0	0.0	0.0	0.0	0.0
5	105	0.0	0.0	0.0	0.0	0.0	0.0
6	1	0.0	0.0	0.0	0.0	0.0	0.0
6	23	0.0	0.0	0.0	0.0	0.0	0.0
6	55	0.0	0.0	0.0	0.0	0.0	0.0
6	87	0.0	0.0	0.0	0.0	0.0	0.0
6	98	0.0	0.0	0.0	0.0	0.0	0.0

6	105	0.0	0.0	0.0	0.0	0.0	0.0
7	11	7.44e-03	0.14	-0.02	-1.35e-04	8.27e-05	5.86e-04
7	18	0.04	0.15	-0.02	-1.02e-04	5.75e-05	3.75e-04
7	20	0.07	0.10	-9.77e-03	-1.01e-04	3.45e-05	1.46e-04
7	27	1.70	-0.05	-0.02	-1.95e-05	7.24e-05	-5.13e-04
7	30	-1.74	0.14	7.74e-03	-6.84e-05	8.20e-06	1.15e-03
7	45	0.31	0.49	-0.01	-2.02e-04	0.0	4.32e-03
7	59	0.81	-2.34e-03	-0.02	-3.34e-05	5.57e-05	-6.97e-05
7	62	-0.85	0.09	-3.55e-04	-5.44e-05	2.49e-05	7.09e-04
7	77	0.14	0.24	-9.32e-03	-1.18e-04	2.04e-05	2.07e-03
7	93	3.69e-03	0.09	-0.01	-9.53e-05	5.92e-05	4.23e-04
7	95	0.04	0.08	-8.95e-03	-8.55e-05	3.65e-05	1.97e-04
7	97	0.02	0.10	-0.01	-7.31e-05	4.25e-05	2.83e-04
7	99	-0.02	0.05	-8.53e-03	-4.04e-05	4.20e-05	3.44e-04
7	104	-8.89e-03	0.05	-8.09e-03	-4.59e-05	3.77e-05	2.87e-04
7	106	-0.02	0.04	-7.88e-03	-4.39e-05	4.03e-05	3.20e-04
8	1	0.0	0.0	0.0	0.0	0.0	0.0
8	23	0.0	0.0	0.0	0.0	0.0	0.0
8	55	0.0	0.0	0.0	0.0	0.0	0.0
8	87	0.0	0.0	0.0	0.0	0.0	0.0
8	98	0.0	0.0	0.0	0.0	0.0	0.0
8	105	0.0	0.0	0.0	0.0	0.0	0.0
9	11	0.55	0.08	-0.02	-3.24e-04	3.94e-04	-4.16e-04
9	16	0.91	-0.09	-0.01	-1.96e-04	6.99e-04	-7.04e-04
9	19	0.89	-0.12	-8.88e-03	-5.00e-05	6.92e-04	-6.82e-04
9	31	1.22	-1.00	-0.01	2.98e-04	1.32e-03	-1.46e-03
9	32	2.07	-2.14	-0.01	8.19e-04	2.28e-03	-3.03e-03
9	45	-1.89	2.48	-0.01	-1.26e-03	-2.15e-03	3.28e-03
9	56	0.94	-0.61	-0.01	1.37e-04	1.02e-03	-8.23e-04
9	63	0.56	-0.42	-0.01	4.58e-05	5.87e-04	-6.42e-04
9	77	-0.83	1.13	-9.56e-03	-6.51e-04	-9.58e-04	1.41e-03
9	90	0.35	0.07	-0.01	-1.79e-04	2.48e-04	-2.61e-04
9	93	0.37	0.06	-0.01	-2.35e-04	2.63e-04	-2.79e-04
9	95	0.61	-0.05	-0.01	-1.50e-04	4.65e-04	-4.71e-04
9	99	9.10e-03	0.09	-8.62e-03	-1.71e-04	-1.81e-05	-4.40e-06
9	102	0.02	0.08	-9.41e-03	-1.93e-04	-9.75e-06	-1.44e-05
9	103	0.13	0.03	-8.67e-03	-1.56e-04	9.05e-05	-1.10e-04
9	105	0.02	0.05	-8.61e-03	-1.72e-04	-1.99e-06	-2.14e-05
9	106	0.01	0.08	-8.62e-03	-1.71e-04	-1.17e-05	-1.12e-05
10	1	0.0	0.0	0.0	0.0	0.0	0.0
10	23	0.0	0.0	0.0	0.0	0.0	0.0
10	55	0.0	0.0	0.0	0.0	0.0	0.0
10	87	0.0	0.0	0.0	0.0	0.0	0.0
10	98	0.0	0.0	0.0	0.0	0.0	0.0
10	105	0.0	0.0	0.0	0.0	0.0	0.0
11	3	0.03	-0.18	-0.49	2.23e-03	9.06e-04	-8.10e-04
11	4	0.03	-0.18	-0.49	2.22e-03	9.05e-04	-8.04e-04
11	20	0.22	-9.84e-03	-0.09	4.42e-04	-5.86e-04	-2.88e-04
11	30	-0.78	9.47e-03	-0.18	4.95e-04	8.32e-03	-4.43e-03
11	44	-0.20	-0.39	-0.06	5.12e-04	2.27e-03	-5.06e-04
11	45	0.12	0.27	-0.27	9.09e-04	-1.39e-03	7.21e-05
11	62	-0.39	-0.03	-0.17	6.09e-04	4.23e-03	-2.25e-03
11	76	-0.11	-0.21	-0.12	6.19e-04	1.27e-03	-3.57e-04
11	77	0.04	0.08	-0.21	8.03e-04	-3.85e-04	-7.69e-05
11	89	0.02	-0.13	-0.34	1.53e-03	6.29e-04	-5.52e-04
11	90	0.02	-0.13	-0.34	1.52e-03	6.29e-04	-5.48e-04
11	95	0.14	-0.02	-0.09	4.27e-04	-3.11e-04	-2.29e-04
11	99	-0.05	-0.08	-0.21	9.35e-04	5.86e-04	-2.91e-04
11	106	-0.04	-0.06	-0.16	7.11e-04	4.41e-04	-2.17e-04
12	1	0.0	0.0	0.0	0.0	0.0	0.0
12	23	0.0	0.0	0.0	0.0	0.0	0.0
12	55	0.0	0.0	0.0	0.0	0.0	0.0
12	87	0.0	0.0	0.0	0.0	0.0	0.0
12	98	0.0	0.0	0.0	0.0	0.0	0.0
12	105	0.0	0.0	0.0	0.0	0.0	0.0
13	4	0.02	0.12	-0.04	-6.98e-04	1.10e-05	-3.89e-04
13	20	0.15	0.03	-0.02	-5.73e-04	1.45e-04	-6.68e-04
13	27	1.09	-0.19	-0.02	-1.06e-03	1.89e-03	-4.08e-04
13	29	-1.55	0.68	-0.02	-1.05e-04	-1.54e-03	1.55e-03
13	45	-0.96	1.12	-0.02	-8.45e-04	3.78e-04	2.95e-03
13	59	0.51	-0.07	-0.02	-7.06e-04	8.71e-04	-1.77e-04
13	61	-0.76	0.33	-0.02	-2.53e-04	-7.77e-04	6.86e-04
13	77	-0.46	0.51	-0.02	-5.90e-04	1.44e-04	1.28e-03
13	90	0.01	0.08	-0.03	-5.10e-04	0.0	-2.58e-04
13	95	0.09	0.02	-0.02	-5.20e-04	7.15e-05	-4.43e-04
13	99	-0.04	0.05	-0.02	-3.89e-04	-7.16e-05	9.37e-06
13	106	-0.03	0.04	-0.02	-3.90e-04	-7.02e-05	8.64e-06

14	1	0.0	0.0	0.0	0.0	0.0	0.0
14	23	0.0	0.0	0.0	0.0	0.0	0.0
14	55	0.0	0.0	0.0	0.0	0.0	0.0
14	87	0.0	0.0	0.0	0.0	0.0	0.0
14	98	0.0	0.0	0.0	0.0	0.0	0.0
14	105	0.0	0.0	0.0	0.0	0.0	0.0
15	3	0.15	-0.12	-0.08	-2.62e-04	-4.75e-05	-1.91e-03
15	4	0.15	-0.12	-0.08	-2.65e-04	-4.05e-05	-1.91e-03
15	19	0.26	2.15e-03	-0.03	-1.77e-04	-4.97e-04	-3.60e-04
15	24	0.41	-0.21	-0.05	5.05e-04	-8.28e-04	-2.46e-04
15	33	-0.43	0.20	-6.01e-03	-8.92e-04	1.11e-03	1.07e-03
15	44	0.38	-0.31	-0.05	7.84e-04	-8.04e-04	-2.41e-03
15	56	0.19	-0.12	-0.04	1.91e-04	-3.21e-04	-4.33e-04
15	57	-0.20	0.04	-0.02	-3.37e-04	5.66e-04	-7.98e-04
15	76	0.17	-0.16	-0.04	3.08e-04	-2.87e-04	-1.40e-03
15	89	0.10	-0.08	-0.05	-1.80e-04	-2.20e-05	-1.31e-03
15	90	0.10	-0.08	-0.05	-1.82e-04	-1.73e-05	-1.31e-03
15	94	0.17	-6.12e-03	-0.03	-1.36e-04	-3.01e-04	-3.54e-04
15	99	-3.99e-03	-0.06	-0.03	-8.93e-05	1.47e-04	-8.09e-04
15	103	0.03	-0.02	-0.02	-6.70e-05	7.53e-06	-3.31e-04
15	106	-3.47e-03	-0.04	-0.03	-7.35e-05	1.22e-04	-6.15e-04
16	15	-4.86e-03	0.07	1.90e-03	-1.49e-04	9.26e-06	-1.89e-04
16	18	-2.12e-03	0.09	2.85e-03	-1.69e-04	-2.14e-05	-1.09e-04
16	22	-1.39e-03	0.09	3.30e-03	-1.54e-04	-2.20e-05	-1.17e-04
16	26	-1.09	-0.04	-9.69e-03	-6.84e-05	-2.42e-03	3.85e-04
16	30	-1.08	-0.04	-9.99e-03	-5.98e-05	-2.41e-03	5.03e-04
16	51	0.75	0.11	6.55e-03	-1.98e-04	1.62e-03	9.59e-04
16	58	-0.52	-0.01	-5.41e-03	-5.95e-05	-1.16e-03	2.12e-04
16	62	-0.52	-0.01	-5.52e-03	-5.52e-05	-1.15e-03	2.59e-04
16	83	0.35	0.06	2.46e-03	-1.24e-04	7.71e-04	4.49e-04
16	94	-3.17e-03	0.05	1.02e-03	-1.05e-04	9.27e-06	-1.23e-04
16	97	-1.34e-03	0.06	1.66e-03	-1.18e-04	-1.12e-05	-6.95e-05
16	98	-7.29e-04	7.45e-03	-1.70e-03	-4.54e-05	1.46e-05	2.44e-05
16	103	-1.22e-03	0.02	-1.15e-03	-5.74e-05	1.35e-05	-5.03e-06
16	104	-6.89e-04	0.02	-8.86e-04	-6.36e-05	3.12e-06	1.81e-05
16	105	-7.29e-04	7.45e-03	-1.70e-03	-4.54e-05	1.46e-05	2.44e-05
16	106	-2.01e-04	0.01	-1.43e-03	-5.17e-05	4.18e-06	4.75e-05
17	3	-6.86e-04	0.08	-0.01	-2.37e-05	8.91e-04	1.71e-05
17	4	2.01e-04	0.08	-0.01	-4.27e-05	8.78e-04	1.50e-05
17	15	-4.86e-03	0.02	-7.59e-03	-3.41e-05	3.42e-04	-1.84e-04
17	26	-1.09	0.14	-6.40e-03	-1.42e-04	-1.62e-03	4.20e-04
17	44	-0.36	-0.64	-0.01	6.77e-04	-2.40e-04	-2.24e-03
17	45	0.36	0.69	-2.01e-03	-7.19e-04	9.74e-04	2.33e-03
17	58	-0.52	0.08	-6.63e-03	-8.02e-05	-5.82e-04	2.29e-04
17	76	-0.16	-0.26	-8.92e-03	2.85e-04	9.45e-05	-9.51e-04
17	77	0.16	0.32	-4.71e-03	-3.27e-04	6.39e-04	1.04e-03
17	89	-3.85e-04	0.06	-9.26e-03	-1.87e-05	6.19e-04	1.43e-05
17	90	2.06e-04	0.06	-9.51e-03	-3.14e-05	6.11e-04	1.29e-05
17	94	-3.17e-03	0.02	-5.71e-03	-2.57e-05	2.54e-04	-1.20e-04
17	99	1.80e-04	0.04	-7.52e-03	-1.97e-05	4.39e-04	6.11e-05
17	103	-1.21e-03	0.01	-5.75e-03	-2.32e-05	2.57e-04	-5.84e-06
17	105	-7.22e-04	0.01	-5.76e-03	-2.26e-05	2.57e-04	2.26e-05
17	106	-1.81e-04	0.03	-6.82e-03	-2.09e-05	3.67e-04	4.57e-05
18	3	-7.40e-04	0.09	-0.01	-3.39e-04	-1.11e-03	6.78e-05
18	4	1.71e-04	0.09	-0.02	-3.42e-04	-1.08e-03	6.73e-05
18	15	-4.86e-03	-0.05	-8.97e-03	-1.51e-04	-4.62e-04	-1.23e-04
18	24	0.75	-0.93	-9.94e-03	1.23e-03	1.34e-03	-1.42e-03
18	26	-1.09	0.30	-6.36e-03	-6.47e-04	-3.03e-03	4.28e-04
18	45	0.36	1.56	-6.52e-03	-2.60e-03	3.29e-04	2.37e-03
18	56	0.36	-0.39	-8.85e-03	4.08e-04	4.10e-04	-6.08e-04
18	58	-0.52	0.17	-7.13e-03	-4.51e-04	-1.69e-03	2.37e-04
18	77	0.16	0.71	-7.23e-03	-1.28e-03	-1.10e-04	1.07e-03
18	89	-4.19e-04	0.06	-0.01	-2.57e-04	-7.74e-04	4.88e-05
18	90	1.89e-04	0.06	-0.01	-2.59e-04	-7.55e-04	4.84e-05
18	94	-3.17e-03	-0.03	-6.73e-03	-1.32e-04	-3.42e-04	-7.86e-05
18	99	1.80e-04	0.06	-8.66e-03	-2.79e-04	-5.52e-04	7.11e-05
18	103	-1.19e-03	0.01	-6.66e-03	-2.16e-04	-3.36e-04	7.40e-06
18	105	-7.01e-04	0.02	-6.64e-03	-2.38e-04	-3.35e-04	2.89e-05
18	106	-1.72e-04	0.05	-7.85e-03	-2.63e-04	-4.65e-04	5.42e-05
19	18	0.02	0.09	-9.02e-03	-5.80e-05	7.58e-05	-4.35e-05
19	20	0.04	0.07	-6.46e-03	-3.47e-05	7.94e-05	-1.43e-04
19	29	-0.68	3.79e-03	-0.01	1.50e-05	-1.40e-03	1.44e-03
19	30	-0.90	-0.04	-8.89e-03	4.71e-05	-1.85e-03	5.55e-04
19	51	0.51	0.11	-8.21e-03	-6.41e-05	1.08e-03	1.04e-03
19	61	-0.33	9.07e-03	-7.95e-03	8.15e-06	-6.73e-04	6.80e-04
19	62	-0.44	-0.01	-6.12e-03	2.40e-05	-8.92e-04	2.87e-04
19	83	0.24	0.06	-5.85e-03	-3.03e-05	5.22e-04	4.91e-04

19	95	0.02	0.05	-5.40e-03	-2.06e-05	5.34e-05	-8.54e-05
19	97	0.01	0.06	-6.39e-03	-3.69e-05	5.07e-05	-2.54e-05
19	99	-0.01	0.02	-3.86e-03	-2.53e-06	0.0	7.14e-05
19	104	-4.88e-03	0.02	-3.99e-03	-3.19e-06	1.01e-05	3.17e-05
19	106	-0.01	0.01	-3.57e-03	2.14e-06	0.0	5.43e-05
20	3	-5.33e-03	0.08	-5.44e-03	-1.36e-04	-7.79e-05	3.29e-05
20	4	-4.10e-03	0.08	-5.80e-03	-1.57e-04	-7.61e-05	3.12e-05
20	20	0.04	0.02	-3.32e-03	-6.62e-05	5.37e-05	-1.89e-04
20	28	0.66	-0.37	-7.71e-03	2.28e-04	1.35e-03	-1.26e-03
20	30	-0.90	0.17	1.97e-04	-1.68e-04	-1.91e-03	5.22e-04
20	45	0.16	0.69	-6.22e-04	-5.14e-04	3.05e-04	2.32e-03
20	60	0.31	-0.15	-5.35e-03	7.25e-05	6.23e-04	-5.41e-04
20	62	-0.44	0.10	-1.55e-03	-1.11e-04	-9.44e-04	2.70e-04
20	77	0.07	0.32	-1.95e-03	-2.60e-04	1.21e-04	1.04e-03
20	89	-4.16e-03	0.06	-3.97e-03	-9.50e-05	-5.53e-05	2.52e-05
20	90	-3.34e-03	0.06	-4.21e-03	-1.09e-04	-5.41e-05	2.41e-05
20	95	0.02	0.02	-3.20e-03	-6.05e-05	2.32e-05	-1.17e-04
20	99	-0.01	0.04	-3.37e-03	-6.92e-05	-6.16e-05	6.82e-05
20	106	-0.01	0.03	-3.16e-03	-5.93e-05	-5.07e-05	5.14e-05
21	4	-7.99e-03	0.08	-0.01	-2.18e-04	4.99e-04	-1.65e-04
21	18	0.04	0.09	-9.73e-03	-2.09e-04	4.93e-04	-3.51e-04
21	20	0.07	0.07	-5.23e-03	-1.25e-04	2.58e-04	-4.01e-04
21	25	-0.83	-1.41e-03	-9.86e-03	-8.52e-05	-1.82e-03	1.17e-03
21	29	-0.83	3.80e-03	-9.88e-03	-8.84e-05	-1.82e-03	1.08e-03
21	51	-0.26	0.11	-6.78e-03	-1.70e-04	-3.84e-04	8.04e-04
21	61	-0.41	9.09e-03	-7.71e-03	-9.78e-05	-8.03e-04	4.94e-04
21	83	-0.13	0.06	-6.22e-03	-1.37e-04	-1.11e-04	3.65e-04
21	90	-6.47e-03	0.05	-7.94e-03	-1.57e-04	3.40e-04	-1.09e-04
21	95	0.04	0.05	-5.19e-03	-1.14e-04	1.96e-04	-2.63e-04
21	97	0.02	0.06	-7.07e-03	-1.51e-04	3.36e-04	-2.32e-04
21	99	-0.02	0.02	-6.25e-03	-1.17e-04	1.66e-04	3.51e-05
21	104	-8.41e-03	0.02	-5.68e-03	-1.11e-04	1.54e-04	-2.90e-05
21	106	-0.02	0.01	-5.71e-03	-1.06e-04	1.27e-04	2.62e-05
22	18	0.56	0.10	-0.01	-3.19e-04	1.59e-03	3.33e-03
22	20	0.59	0.07	-9.67e-03	-2.46e-04	1.68e-03	3.22e-03
22	45	-1.34	0.05	-9.01e-03	-1.41e-04	-4.57e-03	2.60e-03
22	51	-0.57	0.10	-0.01	-3.41e-04	-1.92e-03	1.11e-03
22	77	-0.59	0.03	-7.29e-03	-6.36e-05	-1.99e-03	1.17e-03
22	83	-0.25	0.06	-9.20e-03	-1.59e-04	-8.49e-04	5.27e-04
22	95	0.39	0.05	-8.42e-03	-1.52e-04	1.12e-03	2.16e-03
22	97	0.37	0.06	-9.06e-03	-2.06e-04	1.06e-03	2.22e-03
22	103	0.07	0.02	-5.89e-03	0.0	2.07e-04	4.55e-04
22	104	0.06	0.02	-6.17e-03	-2.35e-05	1.81e-04	4.84e-04
22	106	-0.02	0.01	-5.62e-03	1.41e-05	-4.54e-05	5.79e-05
23	3	-9.19e-03	0.08	-0.03	-1.14e-04	3.89e-04	-4.17e-05
23	4	-7.69e-03	0.08	-0.03	-9.82e-05	3.98e-04	-4.21e-05
23	20	0.07	0.02	-0.01	-4.89e-05	3.09e-04	-2.05e-04
23	25	-0.83	0.46	-0.01	-4.74e-04	-1.53e-03	1.24e-03
23	27	0.56	-0.12	-0.02	4.55e-05	1.39e-03	-3.63e-04
23	45	-0.56	0.69	-0.01	-7.42e-04	-8.74e-04	1.97e-03
23	59	0.26	-0.04	-0.01	-1.67e-05	7.41e-04	-1.54e-04
23	61	-0.41	0.21	-0.01	-2.37e-04	-6.62e-04	5.26e-04
23	77	-0.27	0.32	-0.01	-3.62e-04	-3.31e-04	8.67e-04
23	89	-7.26e-03	0.06	-0.02	-8.46e-05	2.70e-04	-2.59e-05
23	90	-6.26e-03	0.06	-0.02	-7.40e-05	2.76e-04	-2.62e-05
23	95	0.04	0.02	-0.01	-5.31e-05	2.51e-04	-1.32e-04
23	99	-0.02	0.04	-0.02	-7.30e-05	1.57e-04	3.75e-05
23	106	-0.02	0.03	-0.01	-6.87e-05	1.42e-04	2.80e-05
24	3	-8.84e-03	0.09	-0.02	1.26e-04	-8.49e-04	-1.74e-04
24	4	-7.35e-03	0.09	-0.02	1.15e-04	-8.44e-04	-1.80e-04
24	20	0.07	-0.06	-8.62e-03	2.26e-04	-1.53e-05	-4.22e-04
24	24	0.80	-0.93	-0.01	1.24e-03	1.78e-03	-1.15e-03
24	25	-0.83	1.02	-5.46e-03	-1.10e-03	-2.58e-03	1.19e-03
24	45	-0.56	1.56	-5.75e-03	-1.76e-03	-1.73e-03	1.94e-03
24	56	0.37	-0.39	-9.92e-03	5.97e-04	6.39e-04	-4.95e-04
24	61	-0.41	0.45	-7.10e-03	-4.12e-04	-1.45e-03	4.92e-04
24	77	-0.27	0.71	-7.28e-03	-7.30e-04	-1.02e-03	8.47e-04
24	89	-7.02e-03	0.06	-0.01	9.59e-05	-5.93e-04	-1.15e-04
24	90	-6.02e-03	0.06	-0.01	8.86e-05	-5.90e-04	-1.19e-04
24	95	0.04	-0.03	-8.33e-03	1.79e-04	-1.13e-04	-2.80e-04
24	99	-0.02	0.06	-9.30e-03	6.19e-05	-4.84e-04	2.87e-05
24	106	-0.02	0.05	-8.50e-03	7.20e-05	-4.02e-04	1.90e-05
25	11	0.31	0.07	-2.87e-03	3.27e-04	6.31e-04	-3.78e-04
25	18	0.52	0.09	4.65e-04	3.07e-04	1.08e-03	-6.51e-04
25	20	0.53	0.07	1.96e-03	3.72e-05	1.13e-03	-6.78e-04
25	33	-0.95	-0.02	-0.01	2.28e-04	-2.62e-03	1.64e-03
25	38	-0.59	-0.06	-0.02	2.67e-04	-1.60e-03	8.80e-04

25	51	-0.35	0.10	6.19e-03	7.44e-05	-9.73e-04	7.73e-04
25	57	-0.43	6.48e-03	-6.99e-03	1.93e-04	-1.18e-03	5.02e-04
25	70	-0.27	-0.02	-9.81e-03	2.17e-04	-7.26e-04	3.94e-04
25	83	-0.16	0.06	5.55e-04	1.24e-04	-4.29e-04	3.43e-04
25	93	0.21	0.05	-2.48e-03	2.31e-04	4.22e-04	-2.51e-04
25	95	0.35	0.05	-2.21e-04	6.02e-05	7.58e-04	-4.50e-04
25	97	0.35	0.06	-2.61e-04	2.18e-04	7.23e-04	-4.33e-04
25	102	-4.96e-03	0.01	-4.67e-03	1.70e-04	-8.57e-06	1.27e-05
25	103	0.07	0.02	-3.57e-03	9.53e-05	1.57e-04	-8.56e-05
25	104	0.07	0.02	-3.59e-03	1.63e-04	1.42e-04	-7.82e-05
25	106	-4.99e-03	0.01	-4.52e-03	1.71e-04	-8.19e-06	1.28e-05
26	3	-0.01	-0.12	-0.66	2.72e-03	-2.59e-03	-7.41e-04
26	4	-0.01	-0.12	-0.66	2.72e-03	-3.58e-03	-7.37e-04
26	19	0.20	2.24e-03	-0.13	4.28e-04	4.42e-04	-4.60e-04
26	30	-0.70	0.01	-0.23	9.87e-04	-0.01	-3.86e-03
26	44	-0.19	-0.31	-0.15	5.78e-04	-3.09e-03	-6.37e-04
26	45	0.09	0.22	-0.29	1.20e-03	2.84e-04	3.06e-04
26	62	-0.36	-0.02	-0.22	9.35e-04	-6.09e-03	-1.94e-03
26	76	-0.11	-0.16	-0.18	7.46e-04	-2.19e-03	-3.70e-04
26	77	0.01	0.08	-0.25	1.03e-03	-6.14e-04	3.82e-05
26	89	-0.01	-0.08	-0.45	1.87e-03	-2.48e-03	-5.04e-04
26	90	-0.01	-0.08	-0.45	1.86e-03	-2.47e-03	-5.01e-04
26	94	0.12	-6.01e-03	-0.13	4.49e-04	3.38e-05	-3.36e-04
26	99	-0.07	-0.06	-0.28	1.17e-03	-1.84e-03	-2.20e-04
26	106	-0.05	-0.04	-0.22	8.88e-04	-1.40e-03	-1.66e-04
27	3	0.31	0.08	-0.02	-6.01e-04	7.46e-04	-1.65e-03
27	11	0.31	0.06	-0.02	-3.20e-04	8.02e-04	-1.66e-03
27	20	0.53	0.02	-0.02	9.53e-05	1.26e-03	-2.82e-03
27	23	0.52	-0.09	-0.02	1.48e-05	1.61e-03	-2.15e-04
27	33	-0.95	0.65	-7.26e-03	-8.42e-04	-2.89e-03	1.55e-03
27	45	-0.88	0.69	-0.01	-9.04e-04	-2.67e-03	1.68e-03
27	55	0.25	-0.03	-0.01	-3.47e-05	7.96e-04	-9.70e-05
27	57	-0.43	0.22	-9.34e-03	-2.92e-04	-1.28e-03	4.68e-04
27	77	-0.39	0.32	-0.01	-4.37e-04	-1.17e-03	7.34e-04
27	89	0.20	0.05	-0.01	-3.92e-04	4.99e-04	-1.10e-03
27	93	0.21	0.04	-0.02	-2.05e-04	5.37e-04	-1.11e-03
27	95	0.36	0.02	-0.01	8.09e-05	8.50e-04	-1.88e-03
27	99	-6.74e-03	0.03	-0.01	-1.68e-04	2.02e-05	1.99e-05
27	102	-5.09e-03	0.02	-0.01	-6.78e-05	2.92e-05	1.43e-05
27	103	0.07	0.01	-0.01	5.54e-05	1.87e-04	-3.70e-04
27	106	-5.15e-03	0.02	-0.01	-7.84e-05	2.23e-05	1.44e-05
28	4	0.02	0.10	-0.02	-2.05e-04	2.78e-04	-7.27e-04
28	19	0.15	-0.12	-9.60e-03	-3.27e-05	2.50e-04	-1.24e-03
28	20	0.15	-0.11	-0.01	-9.12e-05	2.42e-04	-1.23e-03
28	29	-1.55	1.48	-6.31e-03	-9.05e-04	-1.33e-03	1.54e-03
28	40	1.03	-2.11	-0.01	9.92e-04	-2.24e-04	-2.62e-03
28	45	-0.96	2.47	-6.24e-03	-1.44e-03	4.70e-04	2.94e-03
28	56	0.70	-0.61	-0.01	1.92e-04	7.14e-04	-7.29e-04
28	61	-0.76	0.71	-8.44e-03	-5.05e-04	-6.15e-04	6.83e-04
28	77	-0.46	1.12	-8.52e-03	-7.28e-04	2.51e-04	1.27e-03
28	90	0.01	0.07	-0.01	-1.57e-04	1.87e-04	-4.84e-04
28	95	0.10	-0.05	-0.01	-1.19e-04	1.71e-04	-8.20e-04
28	99	-0.04	0.09	-0.01	-1.69e-04	6.44e-05	6.79e-06
28	106	-0.03	0.08	-0.01	-1.69e-04	4.91e-05	5.63e-06
29	3	-0.03	-0.01	-2.87e-03	1.07e-04	-4.68e-04	-2.11e-03
29	4	-0.03	-0.01	-3.00e-03	1.06e-04	-4.61e-04	-2.11e-03
29	25	-0.06	-6.67e-03	-2.30e-03	7.65e-05	-1.26e-03	-3.18e-05
29	29	-0.06	-6.34e-03	-2.31e-03	7.08e-05	-1.25e-03	-8.33e-05
29	54	2.92e-03	-0.01	-1.20e-03	1.74e-04	1.48e-04	-1.21e-03
29	57	-0.03	-5.98e-03	-1.85e-03	6.59e-05	-6.89e-04	-3.96e-04
29	61	-0.03	-5.81e-03	-1.85e-03	6.30e-05	-6.89e-04	-4.16e-04
29	86	-4.58e-03	-9.05e-03	-1.32e-03	1.14e-04	-2.59e-05	-9.26e-04
29	89	-0.02	-9.09e-03	-2.05e-03	7.56e-05	-3.22e-04	-1.45e-03
29	90	-0.02	-9.08e-03	-2.14e-03	7.52e-05	-3.18e-04	-1.45e-03
29	99	-0.01	-6.95e-03	-1.62e-03	7.02e-05	-2.30e-04	-8.98e-04
29	106	-0.01	-5.37e-03	-1.43e-03	5.64e-05	-1.76e-04	-6.84e-04
30	3	-0.04	-0.56	-0.07	0.01	4.18e-06	-3.30e-03
30	4	-0.04	-0.56	-0.07	0.01	3.43e-06	-3.30e-03
30	25	-0.06	-0.02	-0.10	4.92e-04	2.23e-05	-4.60e-05
30	44	0.02	-0.48	0.02	0.01	-4.14e-05	-2.88e-03
30	57	-0.03	-0.11	-0.06	2.84e-03	7.07e-06	-6.14e-04
30	76	1.06e-03	-0.32	-4.54e-03	8.13e-03	-2.18e-05	-1.88e-03
30	89	-0.03	-0.39	-0.05	9.84e-03	1.58e-06	-2.26e-03
30	90	-0.02	-0.39	-0.05	9.85e-03	1.08e-06	-2.27e-03
30	99	-0.02	-0.24	-0.03	6.18e-03	-4.06e-06	-1.40e-03
30	106	-0.01	-0.19	-0.03	4.71e-03	-5.95e-06	-1.07e-03
31	3	-3.74e-03	-0.01	-1.89e-03	5.24e-05	-5.78e-05	6.41e-04

31	18	-2.09e-03	-6.16e-03	-1.98e-03	0.0	-1.87e-05	4.85e-04
31	29	-0.02	-5.47e-03	-2.67e-03	4.20e-05	-7.15e-04	2.38e-04
31	30	-0.03	-8.98e-03	-1.96e-03	9.73e-05	-9.38e-04	2.91e-04
31	54	-0.02	-0.01	2.28e-05	1.41e-04	-5.62e-04	2.84e-04
31	61	-0.01	-4.98e-03	-1.72e-03	3.43e-05	-3.60e-04	2.25e-04
31	62	-0.02	-6.70e-03	-1.38e-03	6.15e-05	-4.67e-04	2.51e-04
31	86	-9.72e-03	-8.08e-03	-4.18e-04	8.32e-05	-2.86e-04	2.49e-04
31	89	-2.59e-03	-7.59e-03	-1.35e-03	3.63e-05	-4.02e-05	4.41e-04
31	97	-1.48e-03	-4.40e-03	-1.41e-03	1.88e-06	-1.42e-05	3.36e-04
31	99	-2.03e-03	-5.92e-03	-9.23e-04	3.83e-05	-3.79e-05	2.80e-04
31	106	-1.57e-03	-4.56e-03	-8.41e-04	2.78e-05	-2.94e-05	2.13e-04
32	3	-4.38e-03	6.83e-03	-9.78e-03	-7.15e-05	2.04e-04	-3.40e-05
32	4	-4.39e-03	6.68e-03	-9.87e-03	-6.79e-05	2.02e-04	-3.47e-05
32	30	-0.02	1.84e-03	-7.14e-03	2.34e-05	2.92e-04	-4.34e-05
32	45	2.13e-03	0.05	-2.57e-03	-1.53e-03	1.32e-05	5.41e-04
32	62	-0.01	1.41e-03	-5.15e-03	1.33e-05	1.70e-04	-2.88e-05
32	77	1.57e-04	0.02	-2.95e-03	-7.75e-04	3.63e-05	2.69e-04
32	89	-3.02e-03	4.64e-03	-6.71e-03	-4.84e-05	1.38e-04	-2.31e-05
32	90	-3.03e-03	4.54e-03	-6.78e-03	-4.61e-05	1.37e-04	-2.36e-05
32	99	-2.18e-03	2.27e-03	-4.30e-03	-2.39e-05	8.22e-05	-1.09e-05
32	106	-1.68e-03	1.66e-03	-3.30e-03	-1.68e-05	5.77e-05	-8.41e-06
33	17	-8.93e-03	0.13	2.74e-03	-1.19e-04	3.82e-05	-4.95e-05
33	18	-5.94e-03	0.13	2.74e-03	-1.42e-04	3.93e-05	4.12e-06
33	21	-8.30e-03	0.12	3.35e-03	-1.02e-04	3.27e-05	-1.02e-04
33	23	2.09	0.10	8.56e-03	-3.51e-05	1.80e-03	-4.96e-04
33	30	-2.08	-0.07	-0.01	-4.82e-05	-1.76e-03	1.03e-03
33	51	1.39	0.17	7.65e-03	-1.49e-04	1.16e-03	1.84e-03
33	55	1.00	0.06	3.10e-03	-4.03e-05	8.76e-04	-1.51e-04
33	62	-1.00	-0.02	-7.25e-03	-4.62e-05	-8.39e-04	5.78e-04
33	83	0.66	0.09	2.71e-03	-9.56e-05	5.66e-04	9.10e-04
33	96	-5.59e-03	0.09	1.51e-03	-8.38e-05	2.69e-05	-1.57e-05
33	97	-3.59e-03	0.09	1.51e-03	-9.92e-05	2.77e-05	2.01e-05
33	100	1.46e-03	0.01	-2.23e-03	-4.91e-05	1.42e-05	1.63e-04
33	104	-6.34e-04	0.03	-1.35e-03	-5.21e-05	2.00e-05	1.33e-04
33	105	6.58e-04	0.01	-2.23e-03	-4.30e-05	1.39e-05	1.49e-04
33	106	5.78e-04	0.02	-1.99e-03	-4.48e-05	2.05e-05	1.80e-04
34	4	-2.74e-03	0.21	-0.01	-9.08e-05	-9.34e-05	8.57e-05
34	11	3.28e-04	0.21	-0.01	-1.26e-04	4.63e-05	7.87e-05
34	17	-9.23e-03	0.16	-0.01	-6.67e-05	-1.12e-04	-1.56e-04
34	23	2.09	-0.11	-8.24e-03	5.46e-05	1.58e-03	-4.43e-04
34	44	-0.64	-1.05	-0.01	5.51e-04	-4.70e-04	-3.73e-03
34	45	0.64	1.23	-1.96e-03	-6.52e-04	4.49e-04	4.01e-03
34	55	1.00	-8.60e-03	-7.97e-03	0.0	7.54e-04	-1.44e-04
34	76	-0.29	-0.41	-0.01	2.14e-04	-2.22e-04	-1.55e-03
34	77	0.29	0.59	-5.21e-03	-3.15e-04	2.01e-04	1.83e-03
34	90	-1.48e-03	0.15	-0.01	-6.68e-05	-5.78e-05	7.02e-05
34	93	5.64e-04	0.15	-0.01	-9.02e-05	3.54e-05	6.55e-05
34	96	-5.81e-03	0.12	-9.00e-03	-5.08e-05	-7.05e-05	-9.08e-05
34	99	3.58e-04	0.10	-8.40e-03	-4.87e-05	-3.80e-05	1.59e-04
34	100	1.28e-03	0.08	-6.97e-03	-6.18e-05	5.15e-05	1.20e-04
34	105	4.96e-04	0.08	-6.76e-03	-5.36e-05	3.07e-05	1.11e-04
34	106	4.13e-04	0.09	-7.75e-03	-5.06e-05	-1.05e-05	1.40e-04
35	4	-5.16e-03	0.12	-0.02	-2.49e-04	1.24e-04	-2.65e-04
35	17	-0.01	-1.37e-03	-0.02	-5.93e-05	1.39e-04	-4.84e-04
35	26	-2.09	0.49	-7.26e-03	-3.98e-04	-1.88e-03	3.51e-04
35	28	1.48	-1.34	-0.01	6.87e-04	1.39e-03	-1.65e-03
35	45	0.64	2.54	-7.59e-03	-1.68e-03	5.71e-04	3.00e-03
35	58	-1.00	0.29	-8.29e-03	-2.88e-04	-8.93e-04	1.63e-04
35	60	0.72	-0.56	-0.01	2.17e-04	6.84e-04	-7.35e-04
35	77	0.29	1.16	-8.48e-03	-8.44e-04	2.76e-04	1.30e-03
35	90	-3.20e-03	0.09	-0.01	-1.85e-04	7.80e-05	-1.80e-04
35	96	-7.22e-03	6.95e-03	-0.01	-5.86e-05	8.82e-05	-3.26e-04
35	99	-8.85e-04	0.11	-0.01	-1.80e-04	5.88e-05	7.67e-06
35	104	-1.94e-03	0.07	-9.28e-03	-1.56e-04	2.02e-05	-7.78e-05
35	106	-7.11e-04	0.09	-9.26e-03	-1.80e-04	2.17e-05	-8.03e-06
36	18	0.04	0.13	-0.01	-6.64e-06	3.51e-05	-1.67e-04
36	20	0.07	0.10	-7.98e-03	0.0	3.96e-05	-3.08e-04
36	29	-1.32	2.48e-03	-0.02	2.24e-05	-1.04e-03	2.23e-03
36	30	-1.74	-0.07	-0.01	4.35e-05	-1.38e-03	8.16e-04
36	51	0.99	0.17	-0.01	-3.53e-05	8.01e-04	1.75e-03
36	61	-0.64	0.01	-9.84e-03	1.55e-05	-5.05e-04	1.07e-03
36	62	-0.85	-0.02	-7.63e-03	2.58e-05	-6.69e-04	4.46e-04
36	83	0.46	0.09	-7.19e-03	-1.25e-05	3.84e-04	8.43e-04
36	95	0.04	0.07	-6.71e-03	3.64e-06	2.53e-05	-1.69e-04
36	97	0.02	0.09	-7.75e-03	-3.09e-06	2.32e-05	-9.93e-05
36	99	-0.02	0.02	-4.75e-03	7.28e-06	-4.30e-06	1.53e-04
36	104	-8.87e-03	0.03	-4.94e-03	6.05e-06	1.89e-06	7.42e-05

36	106	-0.02	0.02	-4.45e-03	9.20e-06	-3.71e-06	1.33e-04
37	11	7.20e-03	0.21	-7.44e-03	-1.51e-05	-6.44e-05	-2.05e-05
37	20	0.07	0.11	-4.43e-03	1.08e-05	-3.99e-06	-3.60e-04
37	28	1.28	-0.60	-9.79e-03	1.83e-04	9.76e-04	-1.97e-03
37	30	-1.74	0.34	1.63e-04	-5.32e-05	-1.39e-03	7.98e-04
37	45	0.31	1.23	-8.72e-04	-3.48e-04	2.18e-04	3.75e-03
37	60	0.61	-0.22	-6.82e-03	7.77e-05	4.49e-04	-8.18e-04
37	62	-0.85	0.21	-2.03e-03	-2.74e-05	-6.92e-04	4.26e-04
37	77	0.14	0.59	-2.53e-03	-1.55e-04	8.26e-05	1.69e-03
37	93	3.51e-03	0.15	-5.40e-03	-9.53e-06	-4.74e-05	-3.92e-06
37	95	0.04	0.10	-4.24e-03	8.24e-06	-1.75e-05	-2.11e-04
37	99	-0.02	0.10	-4.29e-03	-1.40e-05	-4.37e-05	1.31e-04
37	106	-0.02	0.09	-4.06e-03	-7.02e-06	-4.28e-05	1.12e-04
38	11	0.05	0.10	-0.01	-1.69e-04	2.55e-04	-2.28e-04
38	18	0.12	0.13	-0.01	-1.26e-04	2.74e-04	-5.69e-04
38	19	0.17	0.10	-5.99e-03	-6.77e-05	2.83e-04	-6.99e-04
38	29	-1.72	1.67e-03	-0.01	-5.73e-05	-1.22e-03	1.91e-03
38	51	-0.46	0.17	-8.64e-03	-8.82e-05	1.05e-03	1.60e-03
38	61	-0.84	0.01	-9.88e-03	-6.53e-05	-5.65e-04	8.88e-04
38	83	-0.23	0.09	-7.93e-03	-8.02e-05	5.25e-04	7.52e-04
38	93	0.03	0.07	-9.91e-03	-1.21e-04	1.79e-04	-1.42e-04
38	94	0.10	0.07	-6.25e-03	-7.24e-05	2.15e-04	-4.37e-04
38	97	0.08	0.09	-8.98e-03	-9.23e-05	1.91e-04	-3.69e-04
38	99	-0.04	0.02	-7.83e-03	-7.07e-05	2.50e-05	1.18e-04
38	104	-6.33e-03	0.03	-7.25e-03	-7.21e-05	7.28e-05	0.0
38	106	-0.03	0.02	-7.29e-03	-7.29e-05	4.46e-05	1.04e-04
39	16	1.20	0.11	-0.01	5.83e-04	1.64e-03	-3.00e-04
39	18	1.15	0.13	-0.02	6.28e-04	1.59e-03	-1.74e-04
39	44	3.11	-0.05	-2.95e-03	-2.19e-04	4.10e-03	-4.00e-03
39	51	-1.25	0.17	-0.02	6.12e-04	-1.15e-03	1.93e-03
39	76	1.36	-0.01	-5.05e-03	-8.67e-05	2.03e-03	-1.67e-03
39	83	-0.52	0.09	-0.01	3.19e-04	-2.83e-04	9.14e-04
39	95	0.81	0.08	-0.01	3.93e-04	1.14e-03	-1.90e-04
39	97	0.77	0.09	-0.01	4.23e-04	1.11e-03	-1.06e-04
39	103	0.19	0.02	-7.34e-03	1.04e-04	5.28e-04	2.61e-05
39	104	0.18	0.03	-7.64e-03	1.16e-04	5.14e-04	6.20e-05
39	105	0.04	0.01	-6.75e-03	3.38e-05	4.08e-04	8.36e-05
39	106	0.03	0.02	-7.05e-03	4.66e-05	3.94e-04	1.20e-04
40	4	0.03	0.21	-0.04	-8.72e-04	2.40e-04	-1.97e-04
40	11	0.04	0.21	-0.04	-1.11e-03	2.33e-04	-2.12e-04
40	19	0.17	0.08	-0.01	-4.92e-04	2.01e-04	-6.21e-04
40	27	1.22	-0.16	-0.02	-8.51e-04	1.37e-03	-5.03e-04
40	29	-1.72	0.79	-0.02	-3.04e-04	-9.22e-04	2.02e-03
40	45	-1.06	1.23	-0.02	-6.65e-04	3.60e-04	3.68e-03
40	59	0.57	-0.03	-0.02	-6.64e-04	6.87e-04	-1.80e-04
40	61	-0.84	0.41	-0.02	-4.00e-04	-4.15e-04	9.39e-04
40	77	-0.51	0.59	-0.02	-5.75e-04	2.02e-04	1.63e-03
40	90	0.02	0.15	-0.03	-6.37e-04	1.64e-04	-1.24e-04
40	93	0.03	0.15	-0.03	-7.93e-04	1.59e-04	-1.34e-04
40	94	0.10	0.08	-0.01	-5.03e-04	1.50e-04	-3.92e-04
40	99	-0.04	0.10	-0.02	-4.86e-04	6.68e-05	9.98e-05
40	106	-0.03	0.09	-0.02	-4.88e-04	5.73e-05	8.49e-05
41	4	0.03	0.12	-0.02	-1.70e-04	-2.09e-04	-5.83e-04
41	11	0.04	0.11	-0.02	-2.18e-04	-3.39e-04	-6.28e-04
41	19	0.17	-0.11	-0.01	-1.02e-04	2.16e-06	-9.69e-04
41	29	-1.72	1.52	-6.64e-03	-1.50e-04	-1.33e-03	1.52e-03
41	40	1.13	-2.15	-0.02	-2.40e-05	-4.13e-04	-2.68e-03
41	45	-1.06	2.54	-6.44e-03	-1.81e-04	1.73e-04	2.91e-03
41	56	0.77	-0.61	-0.01	-7.45e-05	3.72e-04	-7.72e-04
41	61	-0.84	0.74	-8.84e-03	-1.23e-04	-7.34e-04	6.44e-04
41	77	-0.51	1.16	-8.87e-03	-1.37e-04	-1.19e-05	1.23e-03
41	90	0.01	0.09	-0.02	-1.25e-04	-1.60e-04	-3.93e-04
41	93	0.02	0.08	-0.02	-1.57e-04	-2.47e-04	-4.24e-04
41	94	0.10	-0.05	-0.01	-1.03e-04	-6.72e-05	-6.64e-04
41	99	-0.04	0.11	-0.01	-9.76e-05	-1.75e-04	-2.73e-05
41	106	-0.03	0.09	-0.01	-9.91e-05	-1.82e-04	-3.57e-05
42	9	0.60	0.08	-5.71e-03	5.69e-06	9.00e-04	-4.39e-04
42	16	0.96	0.11	-1.50e-03	-7.49e-05	1.04e-03	-7.76e-04
42	18	0.93	0.13	-1.50e-03	-1.40e-04	1.02e-03	-6.91e-04
42	32	2.28	0.08	1.96e-03	-9.25e-05	2.87e-03	-3.39e-03
42	38	-1.38	-0.11	-0.02	1.94e-04	-1.42e-03	1.89e-03
42	51	-0.83	0.17	6.74e-03	-1.79e-04	-7.97e-04	1.71e-03
42	56	1.03	0.03	-3.16e-03	-1.13e-05	1.40e-03	-8.75e-04
42	70	-0.61	-0.04	-0.01	9.76e-05	-5.26e-04	8.54e-04
42	83	-0.36	0.09	-2.79e-05	-8.19e-05	-2.34e-04	7.74e-04
42	91	0.40	0.05	-4.56e-03	7.20e-06	6.22e-04	-2.88e-04
42	95	0.64	0.07	-1.76e-03	-4.65e-05	7.16e-04	-5.13e-04

42	97	0.62	0.09	-1.75e-03	-8.97e-05	7.00e-04	-4.56e-04
42	100	0.02	0.01	-6.42e-03	3.52e-05	2.41e-04	3.69e-05
42	103	0.14	0.02	-5.09e-03	1.00e-05	2.96e-04	-7.50e-05
42	104	0.13	0.03	-5.09e-03	-8.46e-06	2.89e-04	-5.09e-05
42	105	0.02	0.01	-6.11e-03	2.84e-05	2.10e-04	3.53e-05
42	106	9.41e-03	0.02	-6.11e-03	9.92e-06	2.03e-04	5.95e-05
43	4	0.67	0.14	-0.15	4.38e-04	5.15e-04	-3.26e-04
43	9	0.79	0.04	-0.19	3.90e-04	9.41e-04	-5.07e-04
43	16	1.20	-0.05	-0.15	5.83e-04	1.12e-03	-7.11e-04
43	44	3.11	-2.35	0.07	-2.19e-04	5.67e-03	-3.53e-03
43	45	-3.06	2.56	-0.26	3.12e-04	-5.40e-03	3.49e-03
43	76	1.36	-0.97	-0.02	-8.67e-05	2.54e-03	-1.54e-03
43	77	-1.31	1.18	-0.17	1.80e-04	-2.27e-03	1.49e-03
43	90	0.45	0.10	-0.11	2.96e-04	3.66e-04	-2.22e-04
43	91	0.53	0.04	-0.14	2.64e-04	6.50e-04	-3.43e-04
43	95	0.81	-0.03	-0.11	3.93e-04	7.71e-04	-4.78e-04
43	99	0.02	0.12	-0.09	5.52e-05	9.37e-05	-1.23e-06
43	100	0.05	0.08	-0.10	3.80e-05	2.28e-04	-5.91e-05
43	103	0.19	0.05	-0.09	1.04e-04	2.96e-04	-1.30e-04
43	105	0.04	0.08	-0.09	3.38e-05	1.97e-04	-4.88e-05
43	106	0.03	0.10	-0.09	4.66e-05	1.35e-04	-2.03e-05
44	11	0.57	0.22	-0.03	-1.15e-03	2.46e-04	-2.82e-04
44	16	0.96	0.14	-0.03	-9.52e-04	4.12e-04	-6.53e-04
44	31	1.34	-0.44	-0.02	-1.17e-03	9.28e-04	-1.59e-03
44	32	2.28	-0.98	-0.02	-9.11e-04	1.60e-03	-3.42e-03
44	45	-2.10	1.23	-0.02	-7.89e-04	-1.48e-03	3.88e-03
44	55	0.62	-4.94e-03	-0.02	-7.93e-04	4.35e-04	-1.47e-04
44	56	1.03	-0.24	-0.02	-6.66e-04	7.30e-04	-9.33e-04
44	77	-0.92	0.60	-0.02	-6.50e-04	-6.52e-04	1.71e-03
44	93	0.38	0.16	-0.03	-8.23e-04	1.66e-04	-1.83e-04
44	95	0.64	0.10	-0.02	-6.94e-04	2.77e-04	-4.31e-04
44	99	4.45e-03	0.11	-0.02	-5.12e-04	1.60e-06	7.61e-05
44	102	0.01	0.10	-0.02	-5.76e-04	1.05e-05	6.15e-05
44	103	0.14	0.08	-0.02	-5.26e-04	6.55e-05	-5.80e-05
44	105	0.02	0.08	-0.02	-5.21e-04	1.49e-05	3.61e-05
44	106	9.13e-03	0.10	-0.02	-5.16e-04	6.93e-06	6.01e-05
45	1	0.0	0.0	0.0	0.0	0.0	0.0
45	23	0.0	0.0	0.0	0.0	0.0	0.0
45	55	0.0	0.0	0.0	0.0	0.0	0.0
45	87	0.0	0.0	0.0	0.0	0.0	0.0
45	98	0.0	0.0	0.0	0.0	0.0	0.0
45	105	0.0	0.0	0.0	0.0	0.0	0.0
46	9	0.79	0.18	-0.52	3.90e-04	5.69e-04	-1.35e-04
46	11	0.73	0.24	-0.51	4.35e-04	4.01e-04	-2.82e-05
46	16	1.20	0.15	-0.42	5.83e-04	-2.84e-04	-3.51e-04
46	35	1.75	-0.48	-0.46	6.27e-04	3.17e-03	-1.89e-03
46	44	3.11	-1.04	-0.13	-2.19e-04	5.14e-03	-3.97e-03
46	45	-3.06	1.24	-0.32	3.12e-04	-4.04e-03	4.20e-03
46	67	0.78	-0.16	-0.34	3.20e-04	1.70e-03	-7.81e-04
46	76	1.36	-0.40	-0.18	-8.67e-05	2.59e-03	-1.66e-03
46	77	-1.31	0.60	-0.27	1.80e-04	-1.50e-03	1.89e-03
46	91	0.53	0.13	-0.37	2.64e-04	4.46e-04	-7.97e-05
46	93	0.49	0.17	-0.36	2.94e-04	3.34e-04	-8.75e-06
46	95	0.81	0.11	-0.31	3.93e-04	-1.23e-04	-2.24e-04
46	99	0.02	0.11	-0.22	5.52e-05	5.16e-04	1.34e-04
46	100	0.05	0.09	-0.25	3.80e-05	6.77e-04	8.92e-05
46	103	0.19	0.09	-0.23	1.04e-04	4.12e-04	1.88e-05
46	105	0.04	0.09	-0.23	3.38e-05	5.96e-04	8.32e-05
46	106	0.03	0.10	-0.23	4.66e-05	5.48e-04	1.14e-04
47	3	0.51	0.11	-0.02	-5.20e-04	3.35e-04	-1.41e-03
47	11	0.55	0.08	-0.03	-9.75e-04	3.60e-04	-1.46e-03
47	16	0.91	0.03	-0.03	-8.31e-04	6.55e-04	-2.48e-03
47	31	1.22	-0.47	-0.02	-1.25e-03	1.54e-03	-1.46e-03
47	32	2.07	-0.99	-0.02	-8.82e-04	2.65e-03	-3.07e-03
47	45	-1.89	1.12	-0.02	-8.47e-04	-2.49e-03	3.37e-03
47	55	0.56	-0.05	-0.02	-7.31e-04	7.02e-04	-1.54e-04
47	56	0.94	-0.28	-0.02	-5.66e-04	1.19e-03	-8.44e-04
47	77	-0.83	0.51	-0.02	-6.15e-04	-1.10e-03	1.45e-03
47	89	0.35	0.08	-0.02	-3.97e-04	2.25e-04	-9.39e-04
47	93	0.37	0.06	-0.02	-7.00e-04	2.41e-04	-9.72e-04
47	95	0.61	0.02	-0.02	-6.04e-04	4.38e-04	-1.66e-03
47	99	7.03e-03	0.05	-0.02	-4.18e-04	-1.15e-05	1.59e-05
47	102	0.01	0.03	-0.02	-4.87e-04	-2.60e-06	1.48e-06
47	103	0.13	0.02	-0.02	-4.50e-04	9.40e-05	-3.39e-04
47	105	0.02	0.02	-0.02	-4.48e-04	8.55e-06	-1.15e-05
47	106	0.01	0.03	-0.02	-4.30e-04	-3.46e-06	4.90e-06
48	1	0.0	0.0	0.0	0.0	0.0	0.0

48	23	0.0	0.0	0.0	0.0	0.0	0.0
48	55	0.0	0.0	0.0	0.0	0.0	0.0
48	87	0.0	0.0	0.0	0.0	0.0	0.0
48	98	0.0	0.0	0.0	0.0	0.0	0.0
48	105	0.0	0.0	0.0	0.0	0.0	0.0
49	3	0.15	0.18	-1.94e-03	-9.22e-05	9.13e-04	-2.77e-03
49	11	0.15	0.15	-2.36e-03	-1.03e-04	8.98e-04	-2.14e-03
49	19	0.26	0.06	1.50e-03	-2.14e-04	1.36e-03	-5.00e-04
49	33	-0.43	0.09	-7.42e-03	1.37e-04	-2.23e-03	1.06e-03
49	38	-0.26	0.07	-0.01	2.65e-04	-1.35e-03	1.63e-04
49	53	-0.36	0.11	1.28e-04	-1.77e-04	-1.86e-03	8.92e-04
49	57	-0.20	0.07	-4.75e-03	3.61e-05	-9.82e-04	-1.14e-03
49	70	-0.12	0.06	-6.44e-03	1.33e-04	-5.85e-04	-4.19e-04
49	85	-0.16	0.08	-1.57e-03	-8.31e-05	-8.02e-04	-9.19e-05
49	89	0.10	0.13	-1.67e-03	-6.11e-05	6.12e-04	-1.90e-03
49	93	0.10	0.10	-1.95e-03	-6.85e-05	6.02e-04	-1.48e-03
49	94	0.17	0.05	-1.19e-05	-1.42e-04	9.21e-04	-5.06e-04
49	99	-4.03e-03	0.07	-3.21e-03	1.35e-05	5.61e-05	-1.19e-03
49	103	0.03	0.04	-2.38e-03	-2.69e-05	2.11e-04	-4.94e-04
49	106	-3.51e-03	0.06	-3.11e-03	8.86e-06	4.68e-05	-9.13e-04
50	3	-9.38e-03	0.08	-0.11	-1.60e-04	-4.36e-04	8.68e-05
50	4	-7.88e-03	0.08	-0.11	-1.49e-04	-4.26e-04	8.45e-05
50	20	0.07	0.04	-0.02	-8.15e-05	-1.62e-04	-1.43e-04
50	25	-0.83	0.28	-0.05	-3.28e-04	1.59e-04	1.59e-03
50	26	-0.60	0.10	-0.05	-1.41e-04	4.80e-04	4.57e-04
50	45	-0.56	0.42	-0.04	-4.80e-04	3.75e-04	2.43e-03
50	58	-0.30	0.06	-0.05	-1.12e-04	1.61e-04	2.55e-04
50	61	-0.41	0.13	-0.05	-1.87e-04	2.62e-04	6.97e-04
50	77	-0.27	0.20	-0.04	-2.57e-04	1.01e-04	1.10e-03
50	89	-7.39e-03	0.05	-0.07	-1.16e-04	-2.99e-04	6.17e-05
50	90	-6.39e-03	0.05	-0.08	-1.09e-04	-2.93e-04	6.02e-05
50	95	0.04	0.03	-0.03	-7.91e-05	-1.39e-04	-8.48e-05
50	99	-0.02	0.03	-0.05	-9.18e-05	-1.72e-04	8.10e-05
50	106	-0.02	0.02	-0.04	-8.48e-05	-1.37e-04	6.11e-05
51	3	0.15	-0.15	-0.01	-4.88e-04	6.06e-04	8.40e-04
51	11	0.15	-0.11	-0.01	-4.04e-04	6.34e-04	6.53e-04
51	19	0.26	-0.02	-8.53e-03	-1.29e-04	1.27e-03	-2.09e-05
51	23	0.23	-0.13	-0.01	1.41e-04	1.15e-03	1.14e-03
51	33	-0.43	0.38	-4.16e-03	-1.89e-03	-2.28e-03	-1.32e-04
51	44	0.38	-0.50	-5.40e-03	1.65e-03	1.96e-03	-2.28e-04
51	55	0.11	-0.09	-9.10e-03	-2.38e-05	5.24e-04	7.15e-04
51	57	-0.20	0.09	-5.60e-03	-7.20e-04	-1.07e-03	1.76e-04
51	76	0.17	-0.25	-6.26e-03	6.20e-04	8.29e-04	8.92e-05
51	89	0.10	-0.10	-8.60e-03	-3.39e-04	3.98e-04	5.84e-04
51	93	0.10	-0.07	-0.01	-2.83e-04	4.17e-04	4.59e-04
51	94	0.17	-0.02	-8.09e-03	-1.27e-04	8.28e-04	5.56e-05
51	99	-3.97e-03	-0.06	-7.20e-03	-2.26e-04	-8.74e-05	4.35e-04
51	102	-3.64e-03	-0.04	-7.40e-03	-1.85e-04	-7.25e-05	3.44e-04
51	103	0.03	-0.02	-6.94e-03	-1.20e-04	1.27e-04	1.71e-04
51	106	-3.45e-03	-0.05	-6.98e-03	-1.83e-04	-7.15e-05	3.41e-04
52	3	-0.15	0.19	-0.33	1.73e-03	-4.70e-03	-1.73e-03
52	4	-0.15	0.19	-0.33	1.73e-03	-4.71e-03	-1.72e-03
52	19	0.19	0.06	-0.09	4.33e-04	5.37e-04	-5.25e-04
52	30	-0.81	0.06	-0.12	5.88e-04	-0.01	-4.67e-03
52	53	0.07	0.11	-0.17	8.12e-04	3.62e-04	1.20e-04
52	62	-0.44	0.06	-0.11	5.68e-04	-7.08e-03	-2.51e-03
52	85	-0.02	0.08	-0.14	6.81e-04	-7.90e-04	-2.18e-04
52	89	-0.11	0.13	-0.23	1.19e-03	-3.25e-03	-1.18e-03
52	90	-0.11	0.13	-0.23	1.19e-03	-3.25e-03	-1.18e-03
52	99	-0.13	0.08	-0.14	7.19e-04	-2.43e-03	-6.81e-04
52	106	-0.10	0.06	-0.11	5.53e-04	-1.86e-03	-5.20e-04
53	3	0.15	-0.18	-0.06	-3.18e-04	-5.90e-04	-9.72e-04
53	4	0.15	-0.18	-0.06	-3.22e-04	-5.83e-04	-9.66e-04
53	19	0.26	-9.79e-03	-8.61e-03	-1.65e-04	-6.36e-04	-2.24e-04
53	33	-0.43	0.25	-0.05	-1.14e-03	9.17e-04	1.12e-03
53	44	0.38	-0.39	-7.31e-03	9.97e-04	-9.92e-04	-1.79e-03
53	45	-0.39	0.27	-0.05	-1.20e-03	8.32e-04	1.21e-03
53	57	-0.20	0.04	-0.04	-4.33e-04	3.74e-04	-4.67e-04
53	76	0.17	-0.21	-0.02	3.85e-04	-4.86e-04	-9.51e-04
53	77	-0.18	0.09	-0.04	-5.86e-04	3.26e-04	3.66e-04
53	89	0.10	-0.12	-0.04	-2.20e-04	-3.99e-04	-6.65e-04
53	90	0.10	-0.12	-0.04	-2.23e-04	-3.95e-04	-6.60e-04
53	94	0.17	-0.02	-0.01	-1.34e-04	-4.39e-04	-2.01e-04
53	99	-3.99e-03	-0.08	-0.03	-1.24e-04	-1.03e-04	-3.89e-04
53	103	0.03	-0.03	-0.02	-8.03e-05	-1.57e-04	-1.57e-04
53	106	-3.47e-03	-0.06	-0.03	-1.01e-04	-7.99e-05	-2.92e-04
54	3	0.23	-0.15	-0.37	1.92e-03	-2.28e-03	3.45e-04

54	18	0.29	-0.11	-0.29	1.46e-03	-1.96e-03	5.48e-05
54	24	0.72	-0.35	0.05	-6.24e-05	-5.99e-03	3.97e-03
54	44	0.51	-0.51	0.16	-4.80e-04	9.39e-04	2.47e-03
54	45	-0.45	0.41	-0.40	1.72e-03	-2.40e-03	-2.06e-03
54	56	0.36	-0.18	-0.04	3.17e-04	-3.27e-03	2.02e-03
54	76	0.25	-0.25	3.82e-04	1.41e-04	5.00e-05	1.30e-03
54	77	-0.19	0.16	-0.24	1.10e-03	-1.51e-03	-8.88e-04
54	89	0.15	-0.10	-0.26	1.32e-03	-1.57e-03	2.44e-04
54	97	0.20	-0.08	-0.20	1.01e-03	-1.35e-03	5.10e-05
54	99	0.04	-0.06	-0.16	8.21e-04	-9.37e-04	2.64e-04
54	104	0.06	-0.05	-0.12	6.20e-04	-7.73e-04	1.49e-04
54	106	0.03	-0.05	-0.12	6.21e-04	-7.32e-04	2.05e-04
55	3	-0.04	-0.49	-0.07	0.01	1.31e-04	-3.60e-03
55	4	-0.04	-0.49	-0.07	0.01	1.29e-04	-3.61e-03
55	25	-0.06	-0.02	-0.09	4.23e-04	2.44e-04	-6.90e-05
55	44	0.02	-0.42	0.02	0.01	-1.16e-04	-3.12e-03
55	57	-0.03	-0.10	-0.06	2.44e-03	1.36e-04	-6.81e-04
55	76	1.41e-03	-0.28	-5.12e-03	6.98e-03	-3.10e-05	-2.04e-03
55	89	-0.02	-0.34	-0.05	8.44e-03	8.92e-05	-2.47e-03
55	90	-0.02	-0.34	-0.05	8.45e-03	8.78e-05	-2.48e-03
55	99	-0.02	-0.22	-0.03	5.31e-03	5.53e-05	-1.53e-03
55	106	-0.01	-0.16	-0.03	4.05e-03	3.96e-05	-1.17e-03
56	1	0.0	0.0	0.0	0.0	0.0	0.0
56	23	0.0	0.0	0.0	0.0	0.0	0.0
56	55	0.0	0.0	0.0	0.0	0.0	0.0
56	87	0.0	0.0	0.0	0.0	0.0	0.0
56	98	0.0	0.0	0.0	0.0	0.0	0.0
56	105	0.0	0.0	0.0	0.0	0.0	0.0
57	3	0.29	0.09	-7.36e-03	-1.60e-05	9.38e-04	-9.77e-04
57	11	0.31	0.06	-0.01	6.12e-06	1.00e-03	-9.75e-04
57	16	0.50	-0.05	-9.15e-03	1.91e-04	1.64e-03	-1.34e-03
57	31	0.64	-0.64	-8.94e-03	1.24e-03	2.14e-03	-2.63e-03
57	32	1.08	-1.36	-7.53e-03	2.61e-03	3.63e-03	-1.70e-03
57	45	-0.98	1.56	-6.94e-03	-2.93e-03	-3.31e-03	-1.05e-03
57	56	0.49	-0.39	-6.36e-03	7.78e-04	1.65e-03	5.44e-04
57	63	0.29	-0.27	-7.10e-03	5.47e-04	9.81e-04	-1.30e-03
57	77	-0.43	0.71	-6.12e-03	-1.31e-03	-1.45e-03	-5.57e-04
57	89	0.19	0.06	-5.55e-03	-1.30e-05	6.29e-04	-6.60e-04
57	93	0.21	0.04	-7.88e-03	1.75e-06	6.72e-04	-6.59e-04
57	95	0.33	-0.03	-6.74e-03	1.25e-04	1.10e-03	-9.05e-04
57	99	7.32e-03	0.06	-5.44e-03	-6.34e-05	2.04e-05	-1.29e-04
57	102	0.01	0.04	-5.90e-03	-4.89e-05	3.36e-05	-1.15e-04
57	103	0.08	0.01	-5.45e-03	8.27e-06	2.46e-04	-2.45e-04
57	105	0.01	0.02	-5.42e-03	-2.22e-05	3.71e-05	-8.26e-05
57	106	9.26e-03	0.04	-5.43e-03	-4.69e-05	2.71e-05	-1.10e-04
58	16	1.05	0.17	-0.01	3.11e-04	1.48e-03	4.01e-03
58	18	0.99	0.19	-0.01	3.44e-04	1.42e-03	4.16e-03
58	45	-2.70	0.10	-0.01	1.56e-04	-3.98e-03	4.11e-03
58	51	-1.12	0.22	-0.02	3.29e-04	-1.54e-03	1.84e-03
58	77	-1.16	0.06	-8.70e-03	7.44e-05	-1.63e-03	1.83e-03
58	83	-0.48	0.12	-0.01	1.55e-04	-5.47e-04	8.58e-04
58	95	0.70	0.11	-9.94e-03	2.05e-04	1.01e-03	2.68e-03
58	97	0.66	0.13	-0.01	2.27e-04	9.75e-04	2.78e-03
58	103	0.15	0.03	-7.07e-03	2.78e-05	3.72e-04	5.62e-04
58	104	0.13	0.04	-7.36e-03	3.72e-05	3.55e-04	6.04e-04
58	105	0.01	0.01	-6.49e-03	-1.68e-05	2.31e-04	3.21e-05
58	106	-2.75e-03	0.02	-6.78e-03	-7.45e-06	2.14e-04	7.38e-05
59	4	-3.55e-03	0.20	-0.09	-1.43e-04	6.19e-04	-1.53e-04
59	9	3.27e-05	0.13	-0.13	-2.13e-04	9.29e-04	-2.66e-04
59	17	-9.89e-03	0.13	-0.06	-6.43e-05	4.27e-04	-3.48e-04
59	23	2.09	-0.19	-0.09	5.51e-05	-2.79e-04	-6.49e-04
59	27	2.08	-0.27	-0.09	8.90e-05	-2.81e-04	-9.11e-04
59	45	0.64	1.75	-0.06	-9.75e-04	1.67e-04	4.16e-03
59	55	1.00	-0.04	-0.07	-2.05e-05	4.50e-05	-3.06e-04
59	59	1.00	-0.07	-0.07	-8.79e-06	4.32e-05	-4.11e-04
59	77	0.29	0.83	-0.06	-4.80e-04	2.63e-04	1.85e-03
59	90	-2.05e-03	0.14	-0.07	-1.06e-04	4.53e-04	-1.01e-04
59	91	3.34e-04	0.10	-0.10	-1.53e-04	6.59e-04	-1.76e-04
59	96	-6.28e-03	0.09	-0.05	-5.34e-05	3.25e-04	-2.31e-04
59	99	-5.73e-05	0.11	-0.05	-9.24e-05	3.34e-04	4.16e-05
59	100	9.46e-04	0.09	-0.06	-1.12e-04	4.22e-04	4.59e-06
59	104	-1.19e-03	0.09	-0.05	-8.63e-05	3.46e-04	-2.96e-05
59	105	1.80e-04	0.08	-0.05	-9.59e-05	3.63e-04	6.71e-06
59	106	3.75e-05	0.10	-0.05	-9.38e-05	3.45e-04	2.76e-05
60	4	-4.36e-03	0.17	-0.09	-1.96e-04	-6.06e-04	-3.57e-04
60	9	-5.52e-04	0.09	-0.14	-2.91e-04	-8.89e-04	-4.96e-04
60	17	-0.01	0.08	-0.06	-6.18e-05	-4.17e-04	-5.44e-04

60	26	-2.09	0.47	-0.11	-3.22e-04	1.79e-04	3.16e-04
60	30	-2.08	0.57	-0.11	-3.76e-04	1.81e-04	5.49e-04
60	45	0.64	2.20	-0.03	-1.32e-03	-4.84e-04	3.02e-03
60	58	-1.00	0.28	-0.08	-2.28e-04	-8.99e-05	1.25e-04
60	62	-1.00	0.32	-0.08	-2.47e-04	-8.85e-05	2.23e-04
60	77	0.29	1.02	-0.04	-6.60e-04	-4.06e-04	1.29e-03
60	90	-2.63e-03	0.12	-0.07	-1.45e-04	-4.43e-04	-2.46e-04
60	91	-8.92e-05	0.07	-0.10	-2.09e-04	-6.32e-04	-3.39e-04
60	96	-6.75e-03	0.06	-0.05	-5.60e-05	-3.17e-04	-3.70e-04
60	99	-4.72e-04	0.11	-0.05	-1.36e-04	-3.29e-04	-4.51e-05
60	100	6.10e-04	0.08	-0.06	-1.62e-04	-4.09e-04	-8.86e-05
60	104	-1.57e-03	0.09	-0.05	-1.21e-04	-3.38e-04	-1.25e-04
60	105	-1.36e-04	0.08	-0.05	-1.38e-04	-3.53e-04	-7.67e-05
60	106	-3.37e-04	0.10	-0.05	-1.37e-04	-3.39e-04	-5.78e-05
61	4	0.03	0.20	-0.21	-6.38e-04	1.29e-03	-1.08e-04
61	11	0.04	0.20	-0.26	-8.10e-04	1.71e-03	-1.44e-04
61	19	0.17	0.03	-0.11	-3.62e-04	6.27e-04	-3.72e-04
61	27	1.22	-0.27	-0.14	-6.14e-04	2.00e-04	-9.45e-04
61	29	-1.72	1.10	-0.08	-2.30e-04	1.08e-03	2.50e-03
61	45	-1.06	1.75	-0.12	-4.85e-04	5.90e-04	4.22e-03
61	59	0.57	-0.07	-0.12	-4.82e-04	4.62e-04	-4.23e-04
61	61	-0.84	0.55	-0.10	-2.97e-04	8.87e-04	1.17e-03
61	77	-0.51	0.83	-0.11	-4.21e-04	6.50e-04	1.89e-03
61	90	0.02	0.14	-0.15	-4.66e-04	9.34e-04	-6.92e-05
61	93	0.03	0.14	-0.19	-5.81e-04	1.22e-03	-9.32e-05
61	94	0.10	0.05	-0.11	-3.70e-04	6.73e-04	-2.43e-04
61	99	-0.04	0.11	-0.11	-3.56e-04	6.99e-04	5.30e-05
61	102	-0.03	0.11	-0.12	-4.03e-04	8.14e-04	3.76e-05
61	106	-0.03	0.10	-0.11	-3.59e-04	7.05e-04	3.86e-05
62	4	0.03	0.18	-0.20	-4.04e-04	-1.41e-03	-3.02e-04
62	11	0.04	0.17	-0.26	-5.14e-04	-1.78e-03	-3.79e-04
62	19	0.17	-0.03	-0.10	-2.32e-04	-7.25e-04	-5.04e-04
62	29	-1.72	1.35	-0.14	-1.57e-04	-3.90e-04	1.62e-03
62	30	-1.28	0.58	-0.16	-7.92e-05	-2.83e-04	5.77e-04
62	45	-1.06	2.20	-0.10	-3.09e-04	-8.06e-04	3.07e-03
62	61	-0.84	0.67	-0.13	-1.94e-04	-5.56e-04	7.04e-04
62	62	-0.63	0.32	-0.13	-1.57e-04	-5.05e-04	2.37e-04
62	77	-0.51	1.02	-0.10	-2.68e-04	-7.57e-04	1.32e-03
62	90	0.02	0.13	-0.15	-2.96e-04	-1.01e-03	-2.09e-04
62	93	0.03	0.12	-0.18	-3.69e-04	-1.26e-03	-2.61e-04
62	94	0.10	9.19e-03	-0.10	-2.37e-04	-7.35e-04	-3.64e-04
62	99	-0.04	0.11	-0.11	-2.27e-04	-7.17e-04	-4.16e-05
62	102	-0.03	0.11	-0.12	-2.57e-04	-8.14e-04	-6.80e-05
62	106	-0.03	0.10	-0.11	-2.29e-04	-7.11e-04	-5.57e-05
63	4	0.55	0.20	-0.18	-6.71e-04	1.07e-03	-1.51e-04
63	11	0.57	0.20	-0.23	-8.45e-04	1.41e-03	-1.99e-04
63	16	0.95	0.09	-0.18	-7.01e-04	9.92e-04	-4.17e-04
63	32	2.28	-1.45	-0.13	-6.80e-04	-5.50e-05	-3.76e-03
63	45	-2.10	1.76	-0.06	-5.96e-04	1.23e-03	4.14e-03
63	56	1.03	-0.38	-0.11	-4.93e-04	3.09e-04	-1.19e-03
63	77	-0.93	0.83	-0.08	-4.86e-04	8.82e-04	1.84e-03
63	90	0.37	0.14	-0.13	-4.92e-04	7.76e-04	-1.01e-04
63	93	0.38	0.14	-0.16	-6.08e-04	1.00e-03	-1.33e-04
63	95	0.64	0.07	-0.13	-5.12e-04	7.27e-04	-2.78e-04
63	99	3.73e-03	0.11	-0.09	-3.82e-04	6.08e-04	2.86e-05
63	102	0.01	0.11	-0.11	-4.29e-04	6.98e-04	1.00e-05
63	103	0.14	0.08	-0.09	-3.92e-04	5.83e-04	-6.01e-05
63	105	0.02	0.08	-0.09	-3.89e-04	6.04e-04	-7.96e-06
63	106	8.42e-03	0.10	-0.09	-3.85e-04	6.06e-04	1.40e-05
64	4	0.55	0.18	-0.17	-4.32e-04	-1.22e-03	-2.38e-04
64	11	0.57	0.17	-0.22	-5.44e-04	-1.56e-03	-2.96e-04
64	16	0.95	0.03	-0.16	-4.49e-04	-1.28e-03	-5.10e-04
64	32	2.28	-1.86	-0.03	-4.52e-04	-1.15e-03	-2.74e-03
64	33	-2.26	2.06	-0.15	-5.62e-05	-6.20e-05	2.70e-03
64	45	-2.10	2.20	-0.15	-4.20e-04	-9.32e-05	3.08e-03
64	56	1.03	-0.51	-0.07	-3.19e-04	-8.52e-04	-8.83e-04
64	65	-1.01	0.98	-0.12	-1.58e-04	-3.64e-04	1.20e-03
64	77	-0.93	1.02	-0.12	-3.30e-04	-3.80e-04	1.35e-03
64	90	0.37	0.13	-0.12	-3.18e-04	-8.80e-04	-1.62e-04
64	93	0.38	0.12	-0.15	-3.92e-04	-1.10e-03	-2.01e-04
64	95	0.64	0.03	-0.12	-3.29e-04	-9.21e-04	-3.44e-04
64	99	3.02e-03	0.11	-0.09	-2.52e-04	-6.06e-04	-4.92e-06
64	102	0.01	0.11	-0.11	-2.82e-04	-6.96e-04	-2.59e-05
64	103	0.14	0.06	-0.09	-2.57e-04	-6.26e-04	-9.58e-05
64	105	0.01	0.08	-0.09	-2.57e-04	-6.08e-04	-3.85e-05
64	106	7.70e-03	0.10	-0.09	-2.54e-04	-6.07e-04	-1.84e-05
65	4	0.67	0.20	-0.62	4.38e-04	7.74e-04	-2.64e-04

65	9	0.79	0.14	-0.79	3.90e-04	9.76e-04	-4.07e-04
65	16	1.20	0.09	-0.63	5.83e-04	7.16e-04	-5.38e-04
65	44	3.11	-1.55	-0.24	-2.19e-04	7.10e-04	-4.12e-03
65	45	-3.06	1.76	-0.46	3.12e-04	1.50e-04	4.04e-03
65	51	-1.25	0.80	-0.56	6.12e-04	-2.71e-05	1.54e-03
65	76	1.36	-0.62	-0.29	-8.67e-05	5.66e-04	-1.84e-03
65	77	-1.31	0.83	-0.40	1.80e-04	2.94e-04	1.77e-03
65	83	-0.52	0.41	-0.45	3.19e-04	2.10e-04	6.69e-04
65	90	0.45	0.15	-0.45	2.96e-04	5.63e-04	-1.82e-04
65	91	0.53	0.10	-0.57	2.64e-04	6.98e-04	-2.78e-04
65	95	0.81	0.07	-0.46	3.93e-04	5.24e-04	-3.65e-04
65	99	0.02	0.11	-0.35	5.52e-05	4.34e-04	-2.40e-05
65	100	0.05	0.09	-0.39	3.80e-05	4.86e-04	-6.93e-05
65	103	0.19	0.08	-0.35	1.04e-04	4.14e-04	-1.15e-04
65	105	0.04	0.08	-0.35	3.38e-05	4.25e-04	-5.93e-05
65	106	0.03	0.10	-0.35	4.66e-05	4.30e-04	-3.81e-05
66	4	0.67	0.18	-0.54	4.38e-04	-2.10e-03	-2.35e-04
66	9	0.79	0.09	-0.69	3.90e-04	-2.68e-03	-3.39e-04
66	16	1.20	0.03	-0.54	5.83e-04	-2.16e-03	-5.22e-04
66	43	-1.67	1.32	-0.49	5.83e-04	-1.75e-03	1.90e-03
66	44	3.11	-2.00	-0.19	-2.19e-04	-7.57e-04	-3.02e-03
66	45	-3.06	2.20	-0.41	3.12e-04	-1.51e-03	3.04e-03
66	75	-0.70	0.62	-0.39	3.06e-04	-1.44e-03	8.27e-04
66	76	1.36	-0.82	-0.25	-8.67e-05	-9.44e-04	-1.32e-03
66	77	-1.31	1.02	-0.35	1.80e-04	-1.32e-03	1.34e-03
66	90	0.45	0.13	-0.39	2.96e-04	-1.53e-03	-1.57e-04
66	91	0.53	0.07	-0.49	2.64e-04	-1.92e-03	-2.26e-04
66	95	0.81	0.03	-0.40	3.93e-04	-1.56e-03	-3.49e-04
66	99	0.02	0.11	-0.30	5.52e-05	-1.13e-03	2.01e-05
66	100	0.05	0.09	-0.34	3.80e-05	-1.29e-03	-1.35e-05
66	103	0.19	0.06	-0.30	1.04e-04	-1.15e-03	-7.56e-05
66	105	0.04	0.08	-0.30	3.38e-05	-1.14e-03	-9.68e-06
66	106	0.03	0.10	-0.30	4.66e-05	-1.13e-03	8.21e-06
67	3	-5.46e-03	0.13	-0.01	-8.57e-05	1.73e-04	3.88e-04
67	17	-8.98e-03	0.14	-8.99e-03	-1.00e-04	1.57e-04	2.32e-04
67	18	-5.99e-03	0.15	-8.54e-03	-1.26e-04	1.51e-04	3.41e-04
67	23	2.09	-0.04	-0.03	-2.06e-06	-5.35e-04	-3.26e-04
67	28	1.48	-0.24	-0.03	1.06e-04	-3.55e-04	-2.05e-03
67	45	0.64	0.49	8.89e-03	-2.83e-04	-1.25e-04	4.29e-03
67	55	1.00	8.16e-04	-0.02	-2.50e-05	-2.22e-04	-1.76e-06
67	60	0.72	-0.09	-0.02	2.38e-05	-1.37e-04	-7.56e-04
67	77	0.29	0.24	5.11e-04	-1.53e-04	-2.12e-05	2.05e-03
67	89	-3.28e-03	0.09	-8.65e-03	-6.22e-05	1.21e-04	2.90e-04
67	96	-5.63e-03	0.10	-6.73e-03	-7.20e-05	1.10e-04	1.86e-04
67	97	-3.64e-03	0.10	-6.43e-03	-8.92e-05	1.06e-04	2.58e-04
67	99	4.91e-04	0.05	-7.96e-03	-4.70e-05	7.92e-05	3.32e-04
67	100	1.42e-03	0.04	-5.96e-03	-5.36e-05	4.75e-05	3.01e-04
67	104	-6.69e-04	0.05	-6.81e-03	-5.19e-05	7.09e-05	2.74e-04
67	105	6.25e-04	0.03	-6.08e-03	-4.67e-05	4.91e-05	2.72e-04
67	106	5.45e-04	0.04	-7.21e-03	-4.69e-05	6.72e-05	3.08e-04
68	4	-2.79e-03	0.18	-0.01	-4.33e-04	-2.51e-05	1.47e-04
68	11	9.50e-04	0.18	-0.01	-4.83e-04	-2.29e-05	1.47e-04
68	20	9.83e-03	0.08	-7.87e-03	-2.78e-04	-7.34e-06	-1.53e-04
68	26	-1.73	0.26	1.64e-05	-4.74e-04	-2.16e-03	7.22e-04
68	45	0.47	1.09	-0.02	-1.74e-03	5.52e-04	3.47e-03
68	62	-0.83	0.18	-3.99e-03	-3.50e-04	-1.05e-03	4.89e-04
68	77	0.21	0.52	-0.01	-8.82e-04	2.51e-04	1.59e-03
68	90	-1.97e-03	0.13	-9.35e-03	-3.10e-04	-1.76e-05	1.11e-04
68	93	5.21e-04	0.12	-9.68e-03	-3.44e-04	-1.61e-05	1.11e-04
68	95	5.29e-03	0.08	-7.55e-03	-2.54e-04	-8.79e-06	-6.26e-05
68	99	-5.18e-03	0.09	-7.53e-03	-2.23e-04	-1.41e-05	1.59e-04
68	106	-4.29e-03	0.08	-7.17e-03	-2.12e-04	-1.26e-05	1.40e-04
69	9	0.08	0.10	-0.07	-5.17e-04	4.25e-04	5.11e-04
69	18	0.12	0.15	-0.06	-3.97e-04	3.23e-04	4.57e-04
69	19	0.17	0.09	-0.03	-2.19e-04	1.31e-04	1.03e-04
69	27	1.22	-0.05	-0.07	-3.63e-04	-2.74e-04	-5.59e-04
69	29	-1.72	0.33	-3.38e-03	-1.45e-04	5.62e-04	2.82e-03
69	45	-1.06	0.48	-0.04	-2.86e-04	9.29e-05	4.42e-03
69	55	0.57	1.25e-03	-0.05	-2.89e-04	-2.52e-05	-2.57e-05
69	61	-0.84	0.17	-0.02	-1.85e-04	3.77e-04	1.46e-03
69	77	-0.51	0.24	-0.03	-2.53e-04	1.51e-04	2.12e-03
69	91	0.05	0.07	-0.05	-3.70e-04	3.05e-04	3.74e-04
69	94	0.10	0.07	-0.03	-2.26e-04	1.59e-04	1.71e-04
69	97	0.08	0.10	-0.04	-2.90e-04	2.37e-04	3.38e-04
69	99	-0.04	0.05	-0.03	-2.19e-04	2.08e-04	3.55e-04
69	100	-0.02	0.04	-0.03	-2.54e-04	2.25e-04	3.22e-04
69	104	-6.47e-03	0.05	-0.03	-2.22e-04	1.97e-04	3.05e-04

69	105	-0.02	0.03	-0.03	-2.25e-04	1.99e-04	2.91e-04
69	106	-0.03	0.04	-0.03	-2.21e-04	2.05e-04	3.29e-04
70	11	0.57	0.13	-0.10	-4.47e-04	5.23e-04	6.80e-04
70	16	0.96	0.11	-0.09	-3.88e-04	3.44e-04	3.52e-04
70	18	0.93	0.14	-0.09	-4.23e-04	3.61e-04	4.87e-04
70	32	2.28	-0.38	-0.11	-3.81e-04	-3.08e-04	-3.45e-03
70	45	-2.10	0.48	0.02	-3.14e-04	7.80e-04	4.37e-03
70	56	1.03	-0.09	-0.07	-2.47e-04	-5.02e-06	-8.32e-04
70	77	-0.92	0.24	-0.01	-2.46e-04	4.82e-04	2.11e-03
70	93	0.38	0.09	-0.07	-3.17e-04	3.75e-04	4.88e-04
70	95	0.64	0.08	-0.06	-2.78e-04	2.56e-04	2.70e-04
70	97	0.62	0.10	-0.06	-3.01e-04	2.67e-04	3.60e-04
70	102	0.01	0.05	-0.05	-1.95e-04	2.80e-04	3.76e-04
70	103	0.14	0.04	-0.04	-1.81e-04	2.30e-04	2.82e-04
70	104	0.13	0.05	-0.04	-1.91e-04	2.34e-04	3.20e-04
70	105	0.02	0.03	-0.04	-1.68e-04	2.43e-04	3.05e-04
70	106	9.32e-03	0.04	-0.04	-1.78e-04	2.48e-04	3.44e-04
71	9	0.79	0.10	-0.22	3.90e-04	2.23e-03	4.59e-04
71	16	1.20	0.11	-0.20	5.83e-04	1.85e-03	2.35e-04
71	18	1.15	0.15	-0.20	6.28e-04	1.81e-03	3.62e-04
71	32	3.06	-0.38	-0.31	3.78e-04	1.58e-03	-3.35e-03
71	44	3.11	-0.40	-0.29	-2.19e-04	5.70e-04	-3.59e-03
71	45	-3.06	0.49	0.13	3.12e-04	1.31e-03	4.24e-03
71	64	1.34	-0.15	-0.19	1.98e-04	1.24e-03	-1.31e-03
71	76	1.36	-0.15	-0.18	-8.67e-05	7.57e-04	-1.39e-03
71	77	-1.31	0.24	0.01	1.80e-04	1.12e-03	2.04e-03
71	91	0.53	0.07	-0.16	2.64e-04	1.59e-03	3.39e-04
71	95	0.81	0.08	-0.14	3.93e-04	1.34e-03	1.90e-04
71	97	0.77	0.10	-0.14	4.23e-04	1.32e-03	2.75e-04
71	100	0.05	0.04	-0.09	3.80e-05	1.07e-03	3.21e-04
71	103	0.19	0.04	-0.09	1.04e-04	9.71e-04	2.54e-04
71	104	0.18	0.05	-0.09	1.16e-04	9.60e-04	2.90e-04
71	105	0.04	0.03	-0.08	3.38e-05	9.51e-04	2.90e-04
71	106	0.03	0.04	-0.08	4.66e-05	9.41e-04	3.26e-04
72	3	-4.08e-03	8.21e-03	-4.06e-03	-1.44e-04	3.50e-05	-3.41e-05
72	4	-4.09e-03	8.09e-03	-4.19e-03	-1.42e-04	3.51e-05	-3.51e-05
72	29	-0.02	0.01	-2.05e-03	-3.03e-04	-2.23e-04	1.62e-04
72	30	-0.02	3.28e-03	-1.93e-03	-8.65e-05	-2.98e-04	-2.05e-05
72	45	2.79e-03	0.03	-1.95e-03	-5.01e-04	6.40e-05	4.57e-04
72	61	-0.01	8.13e-03	-1.89e-03	-1.61e-04	-1.04e-04	7.45e-05
72	62	-0.01	2.42e-03	-1.83e-03	-5.51e-05	-1.40e-04	-1.76e-05
72	77	5.10e-04	0.01	-1.83e-03	-2.54e-04	3.40e-05	2.25e-04
72	89	-2.82e-03	5.58e-03	-2.85e-03	-9.76e-05	2.34e-05	-2.32e-05
72	90	-2.82e-03	5.50e-03	-2.94e-03	-9.60e-05	2.35e-05	-2.38e-05
72	99	-2.10e-03	2.71e-03	-2.03e-03	-4.41e-05	9.50e-06	-1.07e-05
72	106	-1.62e-03	2.00e-03	-1.72e-03	-3.22e-05	6.09e-06	-8.32e-06
73	4	-3.92e-03	0.08	-0.01	-2.07e-04	6.39e-05	2.00e-05
73	18	0.02	0.08	-0.01	-2.20e-04	4.54e-05	-1.00e-04
73	20	0.04	0.05	-6.97e-03	-1.48e-04	8.14e-06	-1.90e-04
73	27	0.88	-0.04	-0.02	9.12e-05	7.55e-05	-4.25e-04
73	30	-0.90	0.08	6.12e-03	-2.21e-04	-1.27e-05	5.22e-04
73	45	0.16	0.29	-8.61e-03	-8.23e-04	-1.26e-05	2.29e-03
73	59	0.42	-0.01	-0.01	7.58e-06	5.26e-05	-1.72e-04
73	62	-0.44	0.05	-2.94e-04	-1.37e-04	1.02e-05	2.69e-04
73	77	0.07	0.14	-7.39e-03	-4.07e-04	1.00e-05	1.03e-03
73	90	-3.22e-03	0.05	-9.68e-03	-1.43e-04	4.49e-05	1.65e-05
73	95	0.02	0.04	-6.49e-03	-1.17e-04	1.40e-05	-1.18e-04
73	97	0.01	0.06	-8.95e-03	-1.52e-04	3.26e-05	-6.36e-05
73	99	-0.01	0.02	-6.96e-03	-7.49e-05	3.67e-05	6.40e-05
73	104	-4.91e-03	0.02	-6.42e-03	-7.68e-05	2.92e-05	2.01e-05
73	106	-0.01	0.02	-6.25e-03	-6.47e-05	3.14e-05	4.85e-05
74	1	0.0	0.0	0.0	0.0	0.0	0.0
74	23	0.0	0.0	0.0	0.0	0.0	0.0
74	55	0.0	0.0	0.0	0.0	0.0	0.0
74	87	0.0	0.0	0.0	0.0	0.0	0.0
74	98	0.0	0.0	0.0	0.0	0.0	0.0
74	105	0.0	0.0	0.0	0.0	0.0	0.0
75	3	-8.83e-03	0.13	-6.09e-03	-4.36e-05	-3.45e-05	1.06e-04
75	11	-3.86e-03	0.14	-8.39e-03	-1.87e-04	-4.05e-05	1.37e-04
75	18	-8.36e-04	0.15	-7.13e-03	-1.39e-04	-3.62e-05	-3.86e-05
75	26	-2.00	0.13	-2.75e-03	-2.27e-04	-1.99e-03	7.90e-04
75	28	1.44	-0.24	-6.21e-03	2.01e-04	1.43e-03	-2.11e-03
75	45	0.54	0.49	-5.08e-03	-1.92e-04	5.04e-04	3.93e-03
75	60	0.69	-0.09	-5.31e-03	7.29e-05	6.82e-04	-8.75e-04
75	62	-0.97	0.09	-3.92e-03	-1.32e-04	-9.74e-04	5.33e-04
75	77	0.24	0.24	-4.76e-03	-1.17e-04	2.26e-04	1.80e-03
75	89	-6.18e-03	0.09	-4.58e-03	-3.51e-05	-2.45e-05	8.46e-05

75	93	-2.87e-03	0.09	-6.12e-03	-1.31e-04	-2.86e-05	1.05e-04
75	97	-8.54e-04	0.10	-5.28e-03	-9.86e-05	-2.57e-05	-1.17e-05
75	99	-7.70e-03	0.05	-4.52e-03	-3.94e-05	-2.02e-05	1.70e-04
75	102	-6.26e-03	0.05	-4.79e-03	-6.39e-05	-1.99e-05	1.60e-04
75	104	-5.17e-03	0.05	-4.45e-03	-5.20e-05	-1.88e-05	1.04e-04
75	106	-6.59e-03	0.04	-4.47e-03	-4.71e-05	-1.86e-05	1.50e-04
76	11	1.50e-03	0.07	-5.06e-03	-1.95e-04	8.00e-06	-1.75e-05
76	18	3.52e-03	0.08	-4.40e-03	-2.22e-04	1.11e-05	-1.03e-04
76	20	6.94e-03	0.05	-3.32e-03	-1.49e-04	2.14e-05	-1.93e-04
76	26	-1.03	0.07	-1.95e-03	-2.16e-04	-3.01e-03	3.79e-04
76	28	0.73	-0.16	-3.77e-03	4.38e-04	2.17e-03	-1.22e-03
76	45	0.29	0.29	-3.17e-03	-8.27e-04	8.16e-04	2.25e-03
76	58	-0.50	0.05	-2.42e-03	-1.39e-04	-1.44e-03	2.09e-04
76	60	0.35	-0.06	-3.29e-03	1.69e-04	1.05e-03	-5.22e-04
76	77	0.13	0.14	-3.00e-03	-4.09e-04	3.68e-04	1.01e-03
76	93	9.21e-04	0.05	-3.71e-03	-1.35e-04	5.41e-06	-8.63e-06
76	95	3.83e-03	0.04	-3.19e-03	-1.17e-04	1.30e-05	-1.20e-04
76	97	2.27e-03	0.06	-3.27e-03	-1.53e-04	7.51e-06	-6.53e-05
76	99	-3.00e-03	0.02	-2.88e-03	-7.58e-05	-6.50e-06	6.35e-05
76	102	-2.29e-03	0.02	-3.02e-03	-6.78e-05	-3.76e-06	4.75e-05
76	104	-1.54e-03	0.02	-2.84e-03	-7.75e-05	-2.41e-06	1.90e-05
76	106	-2.55e-03	0.02	-2.85e-03	-6.53e-05	-4.94e-06	4.78e-05
77	1	0.0	0.0	0.0	0.0	0.0	0.0
77	23	0.0	0.0	0.0	0.0	0.0	0.0
77	55	0.0	0.0	0.0	0.0	0.0	0.0
77	87	0.0	0.0	0.0	0.0	0.0	0.0
77	98	0.0	0.0	0.0	0.0	0.0	0.0
77	105	0.0	0.0	0.0	0.0	0.0	0.0
78	3	-8.58e-03	0.19	-0.01	4.02e-05	-3.28e-05	3.99e-05
78	11	-3.52e-03	0.21	-0.01	3.86e-06	-3.74e-05	4.16e-05
78	26	-2.00	0.30	-2.24e-04	8.21e-05	-1.98e-03	7.72e-04
78	45	0.54	1.23	-0.02	-9.76e-05	5.02e-04	3.84e-03
78	62	-0.97	0.21	-4.43e-03	4.04e-05	-9.70e-04	5.05e-04
78	77	0.24	0.59	-0.01	-3.89e-05	2.26e-04	1.74e-03
78	89	-6.01e-03	0.13	-9.18e-03	2.65e-05	-2.33e-05	3.65e-05
78	93	-2.63e-03	0.15	-0.01	2.22e-06	-2.64e-05	3.76e-05
78	99	-7.57e-03	0.10	-8.18e-03	1.33e-05	-1.92e-05	1.32e-04
78	102	-6.12e-03	0.10	-8.21e-03	4.58e-06	-1.87e-05	1.19e-04
78	106	-6.47e-03	0.09	-7.79e-03	7.75e-06	-1.76e-05	1.13e-04
79	3	-1.51e-03	0.08	-9.22e-03	8.31e-05	-2.43e-06	1.53e-05
79	11	1.48e-03	0.06	-0.01	6.20e-05	9.51e-06	-2.23e-05
79	20	6.94e-03	0.02	-5.92e-03	1.29e-05	2.19e-05	-1.91e-04
79	26	-1.03	0.14	8.01e-04	2.11e-05	-3.01e-03	4.16e-04
79	45	0.29	0.69	-0.01	-7.74e-06	8.15e-04	2.32e-03
79	58	-0.50	0.08	-2.69e-03	2.52e-05	-1.44e-03	2.27e-04
79	77	0.13	0.32	-9.58e-03	1.29e-05	3.68e-04	1.04e-03
79	89	-1.09e-03	0.06	-6.76e-03	5.67e-05	-1.49e-06	1.31e-05
79	93	9.12e-04	0.04	-7.39e-03	4.27e-05	6.47e-06	-1.20e-05
79	95	3.82e-03	0.02	-5.74e-03	1.54e-05	1.35e-05	-1.20e-04
79	99	-3.00e-03	0.04	-5.94e-03	3.73e-05	-5.55e-06	6.00e-05
79	106	-2.56e-03	0.03	-5.62e-03	2.93e-05	-4.15e-06	4.50e-05
80	1	0.0	0.0	0.0	0.0	0.0	0.0
80	23	0.0	0.0	0.0	0.0	0.0	0.0
80	55	0.0	0.0	0.0	0.0	0.0	0.0
80	87	0.0	0.0	0.0	0.0	0.0	0.0
80	98	0.0	0.0	0.0	0.0	0.0	0.0
80	105	0.0	0.0	0.0	0.0	0.0	0.0
81	3	-2.34e-04	0.02	-1.44e-03	-1.87e-04	-2.95e-06	-2.43e-06
81	11	1.18e-04	0.01	-1.85e-03	-1.49e-04	1.72e-06	-1.01e-05
81	20	1.08e-03	9.05e-03	-1.23e-03	-1.06e-04	1.34e-05	-3.39e-05
81	26	-0.17	0.01	-7.74e-04	-1.44e-04	-2.08e-03	-3.37e-04
81	28	0.12	-0.03	-1.38e-03	3.53e-04	1.47e-03	1.38e-04
81	45	0.05	0.06	-1.18e-03	-6.64e-04	6.10e-04	4.98e-04
81	58	-0.08	6.90e-03	-9.29e-04	-8.96e-05	-9.98e-04	-1.51e-04
81	60	0.06	-0.01	-1.22e-03	1.44e-04	7.07e-04	6.83e-05
81	77	0.02	0.03	-1.12e-03	-3.25e-04	2.70e-04	2.22e-04
81	89	-1.78e-04	0.01	-1.09e-03	-1.27e-04	-2.21e-06	-1.27e-06
81	93	5.70e-05	9.56e-03	-1.36e-03	-1.01e-04	0.0	-6.39e-06
81	95	5.56e-04	6.67e-03	-1.19e-03	-7.69e-05	6.99e-06	-2.21e-05
81	99	-5.52e-04	5.45e-03	-1.08e-03	-5.41e-05	-6.68e-06	7.17e-06
81	102	-4.62e-04	3.91e-03	-1.13e-03	-3.88e-05	-5.51e-06	4.65e-06
81	106	-4.90e-04	3.99e-03	-1.07e-03	-3.96e-05	-5.89e-06	5.04e-06
82	11	5.66e-04	0.04	-3.53e-03	-1.81e-04	4.47e-06	-1.15e-05
82	17	1.42e-03	0.05	-2.67e-03	-2.29e-04	7.45e-06	-5.74e-05
82	20	3.71e-03	0.03	-2.34e-03	-1.48e-04	2.06e-05	-1.18e-04
82	26	-0.57	0.04	-1.42e-03	-2.02e-04	-3.04e-03	2.00e-04
82	28	0.40	-0.09	-2.63e-03	4.63e-04	2.16e-03	-7.74e-04

82	45	0.17	0.17	-2.24e-03	-8.48e-04	8.64e-04	1.52e-03
82	58	-0.27	0.02	-1.74e-03	-1.23e-04	-1.46e-03	1.11e-04
82	60	0.19	-0.04	-2.32e-03	1.89e-04	1.04e-03	-3.28e-04
82	77	0.07	0.08	-2.13e-03	-4.05e-04	3.85e-04	6.80e-04
82	93	3.15e-04	0.03	-2.60e-03	-1.24e-04	2.74e-06	-5.70e-06
82	95	1.96e-03	0.02	-2.25e-03	-1.08e-04	1.14e-05	-7.37e-05
82	96	8.87e-04	0.03	-2.03e-03	-1.55e-04	4.73e-06	-3.63e-05
82	99	-1.78e-03	0.01	-2.04e-03	-6.06e-05	-8.93e-06	4.01e-05
82	102	-1.44e-03	0.01	-2.14e-03	-4.71e-05	-6.81e-06	2.92e-05
82	106	-1.56e-03	0.01	-2.02e-03	-4.70e-05	-7.61e-06	3.00e-05
83	3	-2.33e-04	0.02	-3.22e-03	-1.94e-04	-2.83e-06	-1.55e-05
83	11	1.19e-04	0.01	-3.53e-03	-1.31e-04	1.82e-06	-2.63e-05
83	20	1.08e-03	1.45e-03	-2.08e-03	-2.32e-05	1.34e-05	-4.76e-05
83	26	-0.17	0.03	1.56e-04	-3.70e-04	-2.08e-03	8.49e-05
83	45	0.05	0.16	-4.98e-03	-1.86e-03	6.10e-04	7.08e-04
83	58	-0.08	0.02	-1.01e-03	-2.11e-04	-9.97e-04	4.16e-05
83	77	0.02	0.07	-3.30e-03	-8.50e-04	2.70e-04	3.15e-04
83	89	-1.77e-04	0.01	-2.36e-03	-1.33e-04	-2.13e-06	-9.95e-06
83	93	5.77e-05	6.94e-03	-2.57e-03	-9.10e-05	0.0	-1.72e-05
83	95	5.56e-04	1.62e-03	-2.02e-03	-2.47e-05	7.02e-06	-3.16e-05
83	99	-5.52e-04	6.23e-03	-2.09e-03	-7.91e-05	-6.61e-06	4.54e-06
83	106	-4.90e-04	4.51e-03	-1.98e-03	-5.82e-05	-5.83e-06	3.12e-06
84	3	-8.20e-04	0.05	-6.30e-03	-3.07e-04	-5.08e-06	1.53e-05
84	11	5.64e-04	0.04	-6.93e-03	-2.51e-04	4.00e-06	-1.32e-05
84	20	3.71e-03	8.12e-03	-4.06e-03	-6.98e-05	2.05e-05	-1.18e-04
84	26	-0.57	0.10	4.17e-04	-4.73e-04	-3.04e-03	2.06e-04
84	45	0.17	0.48	-9.86e-03	-2.18e-03	8.65e-04	1.53e-03
84	58	-0.27	0.06	-1.91e-03	-2.86e-04	-1.46e-03	1.13e-04
84	77	0.07	0.22	-6.50e-03	-1.02e-03	3.85e-04	6.83e-04
84	89	-6.09e-04	0.04	-4.62e-03	-2.12e-04	-3.64e-06	1.21e-05
84	93	3.14e-04	0.03	-5.04e-03	-1.74e-04	2.41e-06	-6.93e-06
84	95	1.96e-03	8.35e-03	-3.94e-03	-6.84e-05	1.12e-05	-7.37e-05
84	99	-1.78e-03	0.02	-4.08e-03	-1.35e-04	-9.22e-06	3.88e-05
84	106	-1.56e-03	0.02	-3.86e-03	-1.05e-04	-7.86e-06	2.89e-05
85	3	-9.30e-04	0.02	-5.69e-03	-1.68e-04	4.71e-05	2.05e-06
85	4	-7.71e-04	0.02	-5.93e-03	-1.65e-04	5.09e-05	1.25e-06
85	20	5.75e-03	9.06e-03	-2.48e-03	-1.02e-04	1.20e-04	-2.98e-05
85	27	0.13	-3.45e-03	-4.73e-03	9.10e-05	2.32e-03	3.26e-04
85	30	-0.13	0.01	-4.15e-04	-1.57e-04	-2.33e-03	-3.12e-04
85	45	0.02	0.06	-3.00e-03	-6.45e-04	4.35e-04	5.00e-04
85	59	0.06	8.04e-04	-3.62e-03	2.37e-05	1.11e-03	1.53e-04
85	62	-0.06	7.20e-03	-1.53e-03	-8.99e-05	-1.12e-03	-1.40e-04
85	77	0.01	0.03	-2.78e-03	-3.10e-04	2.07e-04	2.23e-04
85	89	-7.11e-04	0.01	-4.02e-03	-1.13e-04	3.13e-05	1.86e-06
85	90	-6.05e-04	0.01	-4.18e-03	-1.11e-04	3.38e-05	1.32e-06
85	95	3.52e-03	6.68e-03	-2.36e-03	-7.34e-05	7.98e-05	-1.87e-05
85	99	-2.07e-03	5.47e-03	-2.95e-03	-4.56e-05	-8.47e-06	9.16e-06
85	106	-1.58e-03	4.00e-03	-2.57e-03	-3.31e-05	-5.56e-06	6.87e-06
86	4	-7.09e-05	0.05	-9.86e-03	-2.16e-04	-4.44e-05	1.32e-05
86	17	0.01	0.05	-8.47e-03	-2.33e-04	4.79e-05	-5.79e-05
86	20	0.02	0.03	-4.79e-03	-1.49e-04	1.37e-04	-1.18e-04
86	27	0.53	-0.02	-0.01	1.30e-04	3.16e-03	-2.19e-04
86	30	-0.54	0.04	2.78e-03	-2.28e-04	-3.27e-03	2.78e-04
86	45	0.10	0.17	-5.86e-03	-8.46e-04	5.61e-04	1.52e-03
86	59	0.25	-5.09e-03	-7.97e-03	3.48e-05	1.50e-03	-8.18e-05
86	62	-0.26	0.03	-9.78e-04	-1.32e-04	-1.60e-03	1.41e-04
86	77	0.04	0.08	-5.15e-03	-4.05e-04	2.43e-04	6.79e-04
86	90	-3.44e-04	0.03	-6.99e-03	-1.47e-04	-3.28e-05	1.08e-05
86	95	0.02	0.02	-4.49e-03	-1.09e-04	7.94e-05	-7.38e-05
86	96	8.90e-03	0.03	-6.06e-03	-1.58e-04	2.88e-05	-3.67e-05
86	99	-7.25e-03	0.01	-5.02e-03	-6.28e-05	-6.62e-05	3.96e-05
86	106	-5.53e-03	0.01	-4.48e-03	-4.87e-05	-5.25e-05	2.96e-05
87	3	-6.62e-04	0.02	-1.94e-03	-2.12e-04	-2.08e-06	3.37e-06
87	4	-4.83e-04	0.02	-2.06e-03	-2.05e-04	0.0	1.26e-06
87	20	6.34e-03	2.40e-03	-1.20e-03	-2.94e-05	9.06e-05	-4.65e-05
87	28	0.10	-0.09	-2.67e-03	1.04e-03	1.43e-03	-3.99e-04
87	30	-0.14	0.04	-3.00e-05	-4.71e-04	-1.94e-03	1.38e-04
87	45	0.02	0.17	-3.03e-04	-1.90e-03	3.46e-04	7.53e-04
87	60	0.05	-0.04	-1.88e-03	4.38e-04	6.80e-04	-1.73e-04
87	62	-0.07	0.02	-6.11e-04	-2.55e-04	-9.47e-04	6.82e-05
87	77	0.01	0.08	-7.46e-04	-8.72e-04	1.57e-04	3.38e-04
87	89	-5.31e-04	0.01	-1.42e-03	-1.45e-04	-2.44e-06	3.09e-06
87	90	-4.11e-04	0.01	-1.50e-03	-1.41e-04	0.0	1.68e-06
87	95	3.92e-03	2.53e-03	-1.16e-03	-3.07e-05	5.66e-05	-2.89e-05
87	99	-2.09e-03	7.50e-03	-1.22e-03	-8.75e-05	-2.59e-05	1.47e-05
87	106	-1.59e-03	5.57e-03	-1.15e-03	-6.53e-05	-1.97e-05	1.13e-05
88	3	-5.83e-04	0.05	-3.76e-03	-2.35e-04	-3.34e-06	1.65e-05

88	4	1.58e-04	0.05	-3.99e-03	-2.34e-04	0.0	1.36e-05
88	20	0.02	8.07e-03	-2.31e-03	-4.36e-05	1.29e-04	-1.18e-04
88	28	0.39	-0.26	-5.24e-03	1.09e-03	2.10e-03	-7.93e-04
88	30	-0.53	0.12	3.28e-05	-5.09e-04	-2.84e-03	2.94e-04
88	45	0.09	0.48	-5.13e-04	-2.02e-03	5.08e-04	1.53e-03
88	60	0.19	-0.11	-3.67e-03	4.57e-04	9.95e-04	-3.38e-04
88	62	-0.26	0.06	-1.13e-03	-2.79e-04	-1.38e-03	1.49e-04
88	77	0.04	0.22	-1.40e-03	-9.28e-04	2.30e-04	6.84e-04
88	89	-6.74e-04	0.04	-2.74e-03	-1.62e-04	-3.73e-06	1.29e-05
88	90	-1.80e-04	0.04	-2.90e-03	-1.61e-04	0.0	1.10e-05
88	95	0.02	8.30e-03	-2.23e-03	-4.33e-05	8.07e-05	-7.36e-05
88	99	-7.05e-03	0.02	-2.35e-03	-1.00e-04	-3.75e-05	3.96e-05
88	106	-5.36e-03	0.02	-2.21e-03	-7.62e-05	-2.86e-05	2.96e-05
89	4	-6.41e-03	0.12	-6.43e-03	-4.01e-04	1.85e-05	1.02e-04
89	20	0.05	0.04	-3.77e-03	-2.88e-04	8.57e-05	-1.49e-04
89	28	0.87	-0.44	-8.49e-03	7.24e-04	1.71e-03	-1.32e-03
89	30	-1.18	0.23	1.06e-04	-5.15e-04	-2.30e-03	5.85e-04
89	45	0.21	0.85	-7.91e-04	-1.67e-03	4.26e-04	2.64e-03
89	60	0.41	-0.18	-5.92e-03	2.20e-04	8.16e-04	-5.34e-04
89	62	-0.58	0.13	-1.79e-03	-3.50e-04	-1.12e-03	3.26e-04
89	77	0.09	0.40	-2.23e-03	-8.50e-04	1.97e-04	1.21e-03
89	90	-5.12e-03	0.09	-4.67e-03	-2.90e-04	1.13e-05	7.78e-05
89	95	0.03	0.04	-3.63e-03	-2.61e-04	5.31e-05	-7.05e-05
89	99	-0.02	0.06	-3.76e-03	-2.11e-04	-1.90e-05	1.21e-04
89	106	-0.01	0.05	-3.54e-03	-2.05e-04	-1.57e-05	1.06e-04
90	4	-2.97e-03	0.18	-6.96e-03	-3.72e-04	2.71e-05	1.23e-04
90	11	7.97e-03	0.18	-6.96e-03	-4.42e-04	2.71e-05	1.20e-04
90	20	0.06	0.08	-4.14e-03	-2.74e-04	7.52e-05	-1.81e-04
90	28	1.10	-0.54	-9.18e-03	6.78e-04	1.60e-03	-1.82e-03
90	30	-1.50	0.30	9.18e-05	-4.70e-04	-2.15e-03	8.38e-04
90	45	0.27	1.09	-8.77e-04	-1.58e-03	4.01e-04	3.41e-03
90	60	0.52	-0.21	-6.41e-03	2.05e-04	7.66e-04	-7.48e-04
90	62	-0.73	0.18	-1.95e-03	-3.22e-04	-1.04e-03	4.62e-04
90	77	0.12	0.52	-2.42e-03	-8.03e-04	1.87e-04	1.56e-03
90	90	-2.97e-03	0.13	-5.06e-03	-2.69e-04	1.70e-05	9.40e-05
90	93	4.33e-03	0.12	-5.06e-03	-3.16e-04	1.71e-05	9.19e-05
90	95	0.04	0.08	-3.98e-03	-2.48e-04	4.62e-05	-8.38e-05
90	99	-0.02	0.09	-4.07e-03	-1.97e-04	-1.35e-05	1.51e-04
90	106	-0.02	0.08	-3.84e-03	-1.93e-04	-1.24e-05	1.33e-04
91	4	-5.95e-03	0.11	-0.01	-1.76e-04	-1.42e-05	6.51e-05
91	18	0.03	0.11	-0.01	-1.81e-04	5.00e-05	-8.18e-05
91	20	0.05	0.07	-8.01e-03	-1.26e-04	9.93e-05	-1.97e-04
91	27	1.15	-0.05	-0.02	-4.84e-04	2.67e-03	-6.13e-04
91	30	-1.18	0.11	6.55e-03	3.37e-04	-2.73e-03	7.79e-04
91	45	0.21	0.39	-9.47e-03	-6.57e-04	4.86e-04	2.85e-03
91	59	0.55	-0.01	-0.01	-2.64e-04	1.27e-03	-2.47e-04
91	62	-0.57	0.07	-4.20e-04	1.18e-04	-1.33e-03	4.12e-04
91	77	0.09	0.19	-8.14e-03	-3.35e-04	2.17e-04	1.29e-03
91	90	-4.79e-03	0.07	-0.01	-1.24e-04	-1.16e-05	4.99e-05
91	95	0.03	0.05	-7.42e-03	-1.07e-04	5.78e-05	-1.12e-04
91	97	0.02	0.08	-9.81e-03	-1.28e-04	3.13e-05	-4.81e-05
91	99	-0.02	0.03	-7.58e-03	-7.93e-05	-4.14e-05	1.01e-04
91	104	-6.90e-03	0.04	-7.08e-03	-7.95e-05	-1.80e-05	4.75e-05
91	106	-0.01	0.03	-6.90e-03	-7.34e-05	-3.38e-05	8.28e-05
92	4	-3.40e-03	0.13	-0.02	-1.21e-04	4.60e-06	1.62e-04
92	18	0.03	0.13	-0.01	-1.30e-04	4.74e-05	-1.84e-06
92	20	0.06	0.09	-8.94e-03	-1.07e-04	6.31e-05	-1.43e-04
92	27	1.47	-0.06	-0.02	-1.64e-05	2.36e-03	-5.94e-04
92	30	-1.51	0.14	7.09e-03	-9.94e-05	-2.41e-03	8.88e-04
92	45	0.27	0.46	-0.01	-3.51e-04	4.31e-04	3.49e-03
92	59	0.70	-8.98e-03	-0.01	-3.95e-05	1.12e-03	-2.00e-04
92	62	-0.73	0.08	-4.40e-04	-7.63e-05	-1.18e-03	4.94e-04
92	77	0.12	0.23	-8.79e-03	-1.88e-04	1.92e-04	1.60e-03
92	90	-3.28e-03	0.09	-0.01	-8.70e-05	0.0	1.22e-04
92	95	0.04	0.07	-8.24e-03	-9.23e-05	3.20e-05	-5.35e-05
92	97	0.02	0.09	-0.01	-9.26e-05	2.87e-05	1.25e-05
92	99	-0.02	0.04	-8.11e-03	-5.80e-05	-3.04e-05	1.66e-04
92	104	-7.59e-03	0.04	-7.64e-03	-6.08e-05	-1.59e-05	1.07e-04
92	106	-0.02	0.04	-7.44e-03	-5.79e-05	-2.94e-05	1.47e-04
93	11	2.35e-03	0.09	-6.31e-03	-1.82e-04	1.04e-06	1.94e-06
93	18	4.62e-03	0.11	-5.44e-03	-1.81e-04	2.15e-06	-1.15e-04
93	20	9.42e-03	0.07	-4.11e-03	-1.28e-04	1.26e-05	-2.12e-04
93	26	-1.41	0.10	-2.32e-03	-2.04e-04	-2.57e-03	-1.79e-03
93	28	1.01	-0.21	-4.69e-03	3.25e-04	1.87e-03	7.65e-04
93	45	0.39	0.39	-3.92e-03	-6.47e-04	6.70e-04	2.81e-03
93	60	0.49	-0.08	-4.07e-03	1.12e-04	8.99e-04	3.98e-04
93	62	-0.68	0.07	-3.12e-03	-1.36e-04	-1.24e-03	-7.17e-04

93	77	0.18	0.19	-3.69e-03	-3.30e-04	3.06e-04	1.26e-03
93	93	1.51e-03	0.06	-4.62e-03	-1.29e-04	0.0	6.79e-06
93	95	5.34e-03	0.05	-3.93e-03	-1.09e-04	7.15e-06	-1.26e-04
93	97	3.02e-03	0.08	-4.05e-03	-1.28e-04	1.45e-06	-7.09e-05
93	99	-3.80e-03	0.03	-3.53e-03	-7.85e-05	-6.69e-06	8.44e-05
93	102	-2.71e-03	0.03	-3.72e-03	-7.82e-05	-4.16e-06	7.13e-05
93	104	-1.85e-03	0.04	-3.48e-03	-7.91e-05	-3.56e-06	3.31e-05
93	106	-3.13e-03	0.03	-3.50e-03	-7.30e-05	-5.06e-06	6.87e-05
94	11	9.49e-04	0.12	-7.42e-03	-1.44e-04	-2.42e-05	1.37e-04
94	18	3.45e-03	0.13	-6.35e-03	-1.27e-04	-2.14e-05	-2.78e-05
94	20	9.83e-03	0.09	-4.80e-03	-9.93e-05	-8.23e-06	-1.64e-04
94	26	-1.73	0.13	-2.59e-03	-1.28e-04	-2.16e-03	7.04e-04
94	28	1.24	-0.24	-5.50e-03	1.73e-04	1.57e-03	-1.85e-03
94	45	0.47	0.46	-4.55e-03	-3.99e-04	5.53e-04	3.45e-03
94	60	0.60	-0.09	-4.74e-03	4.87e-05	7.50e-04	-7.61e-04
94	62	-0.83	0.08	-3.57e-03	-9.03e-05	-1.05e-03	4.78e-04
94	77	0.21	0.23	-4.28e-03	-2.10e-04	2.51e-04	1.58e-03
94	93	5.20e-04	0.08	-5.42e-03	-1.02e-04	-1.70e-05	1.04e-04
94	95	5.29e-03	0.07	-4.57e-03	-8.66e-05	-9.54e-06	-7.10e-05
94	97	2.19e-03	0.09	-4.72e-03	-9.10e-05	-1.52e-05	-5.75e-06
94	99	-5.18e-03	0.04	-4.08e-03	-6.01e-05	-1.47e-05	1.57e-04
94	102	-3.83e-03	0.04	-4.31e-03	-6.55e-05	-1.35e-05	1.49e-04
94	104	-2.88e-03	0.04	-4.02e-03	-6.15e-05	-1.26e-05	9.63e-05
94	106	-4.29e-03	0.04	-4.04e-03	-5.89e-05	-1.31e-05	1.38e-04
95	4	-7.27e-04	0.11	-0.01	-4.45e-04	-6.73e-06	5.22e-05
95	11	2.35e-03	0.10	-0.01	-5.17e-04	0.0	6.75e-05
95	20	9.41e-03	0.04	-6.94e-03	-3.06e-04	1.22e-05	-1.50e-04
95	26	-1.41	0.18	3.64e-04	-5.13e-04	-2.57e-03	3.83e-04
95	45	0.39	0.83	-0.02	-1.76e-03	6.70e-04	2.43e-03
95	62	-0.68	0.13	-3.44e-03	-3.77e-04	-1.24e-03	2.80e-04
95	77	0.18	0.39	-0.01	-8.98e-04	3.06e-04	1.11e-03
95	90	-5.45e-04	0.08	-8.37e-03	-3.20e-04	-4.49e-06	4.37e-05
95	93	1.50e-03	0.07	-8.57e-03	-3.68e-04	0.0	5.39e-05
95	95	5.34e-03	0.04	-6.69e-03	-2.78e-04	6.85e-06	-7.38e-05
95	99	-3.80e-03	0.05	-6.78e-03	-2.31e-04	-7.01e-06	9.92e-05
95	106	-3.13e-03	0.04	-6.44e-03	-2.22e-04	-5.34e-06	8.96e-05
96	3	-8.73e-03	0.17	-0.05	-3.37e-04	-3.15e-05	1.25e-04
96	11	-3.71e-03	0.20	-0.07	-6.90e-04	-4.60e-05	1.74e-04
96	26	-2.00	0.23	-0.07	-1.84e-04	3.05e-04	8.04e-04
96	45	0.54	0.91	-0.02	-3.25e-04	-1.17e-04	3.97e-03
96	62	-0.97	0.16	-0.05	-2.32e-04	1.34e-04	5.50e-04
96	77	0.24	0.44	-0.03	-2.96e-04	-6.85e-05	1.82e-03
96	89	-6.11e-03	0.12	-0.04	-2.56e-04	-2.42e-05	9.96e-05
96	93	-2.77e-03	0.14	-0.05	-4.91e-04	-3.39e-05	1.32e-04
96	99	-7.64e-03	0.09	-0.04	-2.69e-04	-2.71e-05	1.89e-04
96	102	-6.20e-03	0.08	-0.04	-3.20e-04	-2.88e-05	1.81e-04
96	106	-6.54e-03	0.08	-0.03	-2.74e-04	-2.68e-05	1.69e-04
97	11	7.31e-03	0.20	-0.02	-6.86e-05	-1.12e-04	4.29e-04
97	20	0.07	0.12	-0.01	-3.92e-05	-6.95e-05	2.75e-05
97	30	-1.74	0.26	-0.03	-4.45e-05	2.99e-04	1.08e-03
97	45	0.31	0.91	-5.98e-03	-2.66e-04	-1.13e-04	4.20e-03
97	62	-0.85	0.16	-0.02	-3.14e-05	1.20e-04	6.44e-04
97	77	0.14	0.45	-8.25e-03	-1.29e-04	-7.86e-05	1.98e-03
97	93	3.59e-03	0.14	-0.02	-4.77e-05	-7.93e-05	3.12e-04
97	95	0.04	0.10	-0.01	-3.35e-05	-6.10e-05	9.72e-05
97	99	-0.02	0.09	-0.01	-2.57e-05	-5.02e-05	2.83e-04
97	102	-0.02	0.08	-0.01	-2.68e-05	-5.03e-05	2.83e-04
97	106	-0.02	0.08	-0.01	-2.35e-05	-4.65e-05	2.60e-04
98	3	-5.57e-03	0.17	-0.02	-7.14e-05	-1.29e-05	2.97e-04
98	11	4.93e-04	0.19	-0.02	-1.31e-04	-2.56e-05	4.15e-04
98	17	-9.10e-03	0.17	-0.02	-8.17e-05	-7.87e-06	1.29e-04
98	23	2.09	-0.08	0.03	2.95e-05	-3.52e-04	-3.70e-04
98	26	-2.09	0.23	-0.05	-1.27e-04	3.11e-04	8.83e-04
98	45	0.64	0.91	2.58e-03	-4.87e-04	-1.25e-04	4.14e-03
98	55	1.00	-1.15e-03	8.98e-03	-1.06e-05	-1.80e-04	-5.00e-05
98	58	-1.00	0.15	-0.03	-8.73e-05	1.38e-04	5.63e-04
98	77	0.29	0.44	-4.85e-03	-2.42e-04	-6.84e-05	1.95e-03
98	89	-3.36e-03	0.12	-0.02	-5.33e-05	-1.14e-05	2.24e-04
98	93	6.83e-04	0.14	-0.01	-9.30e-05	-1.99e-05	3.02e-04
98	96	-5.71e-03	0.12	-0.01	-6.02e-05	-8.09e-06	1.12e-04
98	99	4.28e-04	0.09	-0.01	-4.79e-05	-2.00e-05	2.80e-04
98	100	1.36e-03	0.07	-8.26e-03	-5.82e-05	-2.33e-05	2.44e-04
98	105	5.63e-04	0.06	-8.51e-03	-5.05e-05	-2.19e-05	2.21e-04
98	106	4.82e-04	0.08	-0.01	-4.90e-05	-2.07e-05	2.57e-04
99	11	0.04	0.20	-0.06	-8.39e-04	-5.13e-04	4.78e-04
99	19	0.17	0.10	-0.02	-3.71e-04	-2.57e-04	-1.14e-05
99	29	-1.72	0.60	-0.06	-2.33e-04	9.71e-05	2.62e-03

99	45	-1.06	0.91	-0.05	-4.96e-04	-2.84e-04	4.22e-03
99	61	-0.84	0.32	-0.04	-3.04e-04	-5.37e-05	1.34e-03
99	77	-0.51	0.45	-0.04	-4.32e-04	-2.38e-04	2.00e-03
99	93	0.03	0.14	-0.05	-6.01e-04	-3.66e-04	3.45e-04
99	94	0.10	0.09	-0.03	-3.80e-04	-2.47e-04	7.47e-05
99	99	-0.04	0.09	-0.03	-3.67e-04	-1.81e-04	2.96e-04
99	102	-0.03	0.08	-0.03	-4.16e-04	-2.30e-04	2.95e-04
99	106	-0.03	0.08	-0.03	-3.70e-04	-1.94e-04	2.71e-04
100	11	0.57	0.20	-0.08	-8.35e-04	-7.91e-04	5.67e-04
100	16	0.96	0.15	-0.06	-7.01e-04	-6.85e-04	2.42e-04
100	32	2.28	-0.72	-0.02	-6.75e-04	-9.22e-04	-3.36e-03
100	33	-2.26	0.87	-0.05	-5.59e-05	3.35e-04	3.97e-03
100	45	-2.10	0.91	-0.05	-5.76e-04	3.01e-04	4.23e-03
100	56	1.03	-0.17	-0.03	-4.80e-04	-5.74e-04	-8.23e-04
100	57	-1.01	0.33	-0.04	-2.51e-04	-1.29e-05	1.44e-03
100	77	-0.92	0.45	-0.04	-4.69e-04	-3.11e-05	2.02e-03
100	93	0.38	0.14	-0.06	-5.98e-04	-5.60e-04	4.10e-04
100	95	0.64	0.11	-0.04	-5.09e-04	-4.89e-04	1.93e-04
100	99	4.53e-03	0.09	-0.04	-3.66e-04	-2.92e-04	3.33e-04
100	102	0.01	0.08	-0.04	-4.07e-04	-3.38e-04	3.38e-04
100	103	0.14	0.07	-0.04	-3.73e-04	-3.13e-04	2.43e-04
100	105	0.02	0.06	-0.04	-3.64e-04	-2.96e-04	2.73e-04
100	106	9.22e-03	0.08	-0.04	-3.65e-04	-2.93e-04	3.09e-04
101	9	0.79	0.16	-0.41	3.90e-04	1.55e-03	5.47e-04
101	11	0.73	0.20	-0.41	4.35e-04	1.52e-03	6.69e-04
101	16	1.20	0.15	-0.35	5.83e-04	1.10e-03	3.13e-04
101	35	1.75	-0.35	-0.41	6.27e-04	7.60e-05	-1.59e-03
101	44	3.11	-0.75	-0.08	-2.19e-04	-7.38e-04	-3.49e-03
101	45	-3.06	0.91	-0.26	3.12e-04	2.27e-03	4.21e-03
101	67	0.78	-0.12	-0.28	3.20e-04	4.73e-04	-5.21e-04
101	76	1.36	-0.29	-0.13	-8.67e-05	1.19e-04	-1.32e-03
101	77	-1.31	0.45	-0.21	1.80e-04	1.42e-03	2.04e-03
101	91	0.53	0.11	-0.29	2.64e-04	1.12e-03	4.02e-04
101	93	0.49	0.14	-0.29	2.94e-04	1.10e-03	4.83e-04
101	95	0.81	0.11	-0.25	3.93e-04	8.19e-04	2.46e-04
101	99	0.02	0.09	-0.17	5.52e-05	7.63e-04	3.84e-04
101	100	0.05	0.07	-0.19	3.80e-05	8.68e-04	3.61e-04
101	103	0.19	0.07	-0.18	1.04e-04	7.39e-04	2.92e-04
101	105	0.04	0.07	-0.17	3.38e-05	7.76e-04	3.26e-04
101	106	0.03	0.08	-0.17	4.66e-05	7.68e-04	3.61e-04
Nodo		Traslazione X	Traslazione Y	Traslazione Z	Rotazione X	Rotazione Y	Rotazione Z
		-3.06	-2.35	-0.79	-2.93e-03	-0.01	-4.67e-03
		3.11	2.56	0.16	0.01	8.32e-03	4.42e-03





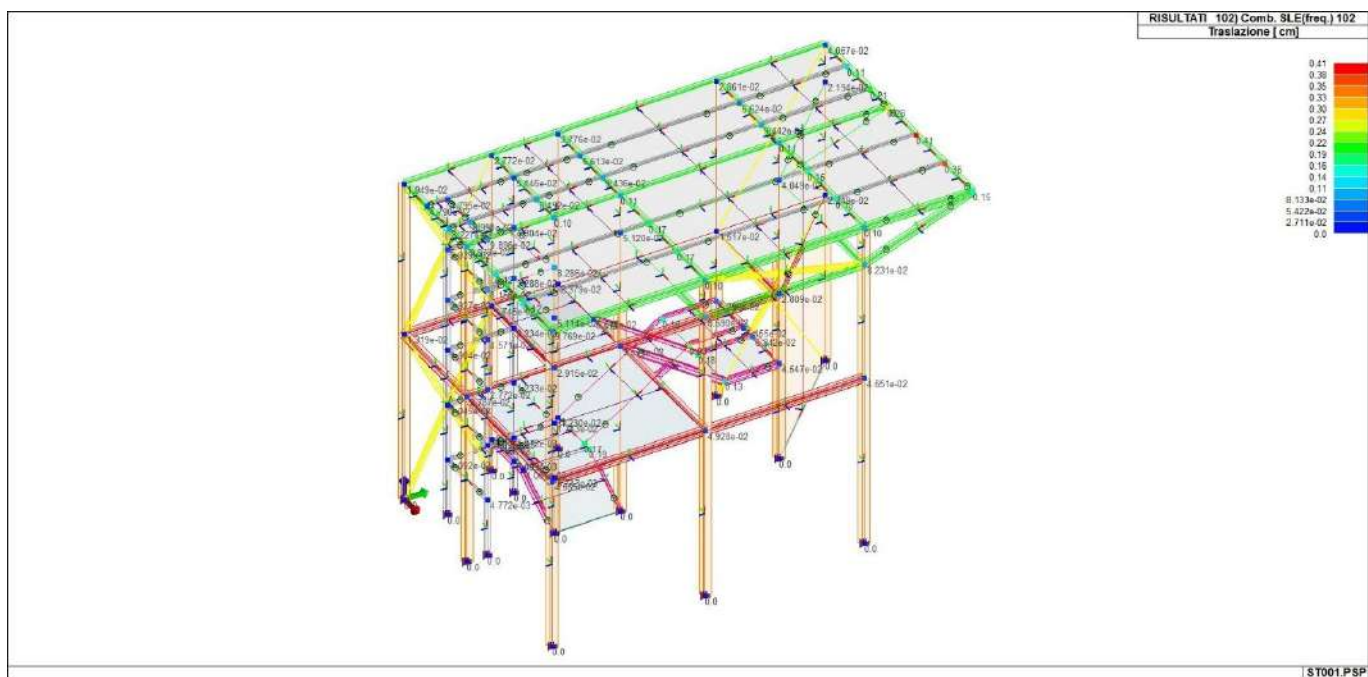
41_RIS_SPOSTAMENTI_045_Comb SLU A1 SLV sism 45



41_RIS_SPOSTAMENTI_077_Comb SLE SLD Danno sism 77



41_RIS_SPOSTAMENTI_095_Comb SLErara 95



41_RIS_SPOSTAMENTI_102_Comb SLEfreq 102



41_RIS_SPOSTAMENTI_106_Comb SLEperm 106

Nodo	Cmb	Azione X daN	Azione Y daN	Azione Z daN	Azione RX daN cm	Azione RY daN cm	Azione RZ daN cm
1	1	-9.77	307.20	458.38	-3615.63	-1866.22	-10.68
1	15	-10.94	501.69	1424.33	-5936.48	-2215.68	-20.07
1	18	4.26	653.20	2057.62	-8032.35	388.51	-11.58
1	22	5.73	646.32	2260.93	-7944.02	694.17	-12.42
1	26	-860.91	-473.83	-4607.07	4304.71	-2.575e+05	40.93
1	51	605.93	805.78	3718.51	-9446.01	1.787e+05	102.10
1	54	-609.53	-697.18	-4902.96	8129.06	-1.793e+05	-91.99
1	58	-411.64	-201.38	-2529.65	1747.97	-1.230e+05	22.57
1	83	285.05	423.61	1514.19	-4982.28	8.426e+04	47.75
1	86	-288.65	-315.01	-2698.64	3665.33	-8.485e+04	-37.64
1	87	-7.50	204.95	193.01	-2399.27	-1383.55	-6.79
1	94	-8.28	334.61	836.97	-3946.51	-1616.52	-13.05
1	97	1.85	435.61	1259.17	-5343.75	119.61	-7.40
1	98	-6.32	10.46	-772.93	-78.42	-1034.09	2.59
1	103	-6.71	75.29	-450.95	-852.04	-1150.58	-0.54
1	104	-2.19	119.13	-270.24	-1432.09	-410.13	1.93
1	105	-6.32	10.46	-772.93	-78.42	-1034.09	2.59
1	106	-1.80	54.30	-592.22	-658.47	-293.64	5.06
2	3	-316.71	42.85	-4886.35	-9863.46	-4.759e+04	1.82
2	4	-310.87	40.38	-5021.64	-9484.26	-4.661e+04	1.60
2	19	-91.13	5.55	-2148.45	-1502.56	-1.416e+04	-20.32
2	26	-1147.20	61.63	-2471.93	-1.520e+04	-3.007e+05	44.74
2	44	-481.04	-268.08	-4375.20	6.661e+04	1.142e+05	-238.39
2	45	220.63	292.85	-869.40	-7.258e+04	7.506e+04	248.12
2	58	-615.42	36.58	-2555.36	-8983.87	-1.537e+05	24.42
2	76	-285.18	-110.71	-3389.17	2.756e+04	-6.142e+04	-101.20
2	77	24.78	135.48	-1855.43	-3.352e+04	2.231e+04	110.93
2	89	-220.08	29.13	-3513.89	-6730.17	-3.306e+04	1.52
2	90	-216.19	27.49	-3604.09	-6477.37	-3.240e+04	1.38
2	94	-94.90	5.61	-2219.41	-1501.08	-1.461e+04	-12.73
2	99	-155.44	17.12	-2879.87	-4035.74	-2.330e+04	6.51
2	103	-92.85	5.35	-2232.63	-1421.20	-1.407e+04	-0.62
2	105	-92.34	5.29	-2235.94	-1401.23	-1.394e+04	2.41
2	106	-130.20	12.39	-2622.30	-2981.94	-1.955e+04	4.87
4	3	-283.69	-86.83	-4901.53	3.220e+04	-2.023e+04	357.25
4	4	-289.93	-84.47	-4999.74	3.218e+04	-2.039e+04	356.50
4	5	-108.11	260.04	-2751.07	2574.32	-2876.12	56.53
4	18	-289.78	229.92	-5292.09	2.094e+04	-1.506e+04	269.89
4	30	2223.08	-96.60	-3646.97	1.108e+04	-3.492e+04	162.19
4	48	263.35	-902.48	2013.01	2.526e+04	-1.114e+04	159.27
4	49	-400.86	639.49	-5896.25	417.42	-2945.69	78.10
4	54	1271.75	-973.59	528.55	2.630e+04	-2.345e+04	157.91
4	62	1035.16	-117.57	-2754.07	1.204e+04	-2.048e+04	139.82

4	80	90.85	-511.17	-9.17	1.892e+04	-9009.73	139.06
4	81	-228.36	248.18	-3874.06	6755.26	-5071.28	98.30
4	86	576.21	-545.78	-724.72	1.942e+04	-1.495e+04	138.43
4	87	-84.87	150.43	-2394.37	4301.88	-3301.80	59.89
4	89	-193.24	-66.01	-3463.74	2.235e+04	-1.390e+04	245.38
4	90	-197.41	-64.44	-3529.21	2.233e+04	-1.401e+04	244.88
4	97	-197.31	145.15	-3724.11	1.484e+04	-1.046e+04	187.14
4	98	-36.24	-66.56	-1620.81	7423.89	-3859.69	63.04
4	99	-90.43	-174.78	-2155.49	1.645e+04	-9161.05	155.78
4	104	-84.96	-59.16	-2199.47	1.180e+04	-6854.54	117.63
4	105	-36.24	-66.56	-1620.81	7423.89	-3859.69	63.04
4	106	-68.75	-131.49	-1941.62	1.284e+04	-7040.51	118.68
5	3	413.43	36.09	-2920.47	-8668.94	-1780.77	-142.63
5	4	424.14	33.90	-3057.64	-8321.05	-1635.67	-139.70
5	5	182.02	4.93	-1374.67	-1334.53	2970.37	-47.29
5	20	284.52	3.10	-1594.29	-1071.30	5785.16	-67.10
5	28	3374.25	-188.11	-5875.00	4.325e+04	9.724e+04	56.82
5	29	-3196.59	208.86	2876.83	-4.848e+04	-1.011e+05	-120.15
5	30	-4263.60	82.35	1790.70	-1.939e+04	-1.334e+05	386.34
5	45	915.51	341.53	-2344.04	-7.899e+04	2.300e+04	-1202.39
5	60	1672.02	-80.06	-3605.12	1.827e+04	4.586e+04	18.78
5	61	-1494.36	100.81	606.94	-2.350e+04	-4.974e+04	-82.12
5	62	-2008.04	43.93	85.21	-1.045e+04	-6.525e+04	175.90
5	77	487.47	155.87	-1906.49	-3.614e+04	1.009e+04	-625.59
5	87	137.74	4.79	-1359.34	-1313.59	1596.39	-36.31
5	89	280.67	24.62	-2099.97	-5928.90	-1304.20	-96.63
5	90	287.81	23.16	-2191.42	-5696.97	-1207.47	-94.68
5	95	206.07	3.58	-1505.75	-1138.09	3472.92	-49.52
5	98	45.95	4.43	-1276.90	-1228.93	-1073.30	-13.57
5	99	117.42	14.34	-1647.22	-3536.59	-2523.60	-43.73
5	105	45.95	4.43	-1276.90	-1228.93	-1073.30	-13.57
5	106	88.83	10.38	-1499.09	-2613.53	-1943.48	-31.67
6	3	-2364.22	-675.25	-5511.04	3.426e+04	-1.667e+05	-1174.74
6	4	-2360.98	-676.77	-5750.49	3.430e+04	-1.657e+05	-1175.91
6	19	-404.86	-5.30	-2124.41	-1612.48	-1.560e+04	-216.13
6	25	-861.52	-117.78	-4420.96	4616.73	-2.106e+05	-17.70
6	28	-716.36	-356.12	-1090.64	2.157e+04	9.334e+04	-715.92
6	29	-860.11	-111.19	-4432.16	4048.48	-2.100e+05	-46.38
6	54	-757.46	-428.33	-2314.55	2.691e+04	-1.280e+04	-675.09
6	57	-824.56	-178.26	-3555.54	8876.18	-1.308e+05	-220.27
6	60	-752.58	-292.69	-1961.25	1.704e+04	1.403e+04	-530.59
6	61	-823.89	-174.62	-3561.55	8573.65	-1.307e+05	-231.71
6	86	-772.88	-328.70	-2551.32	1.971e+04	-3.724e+04	-515.60
6	89	-1625.04	-463.18	-3942.25	2.362e+04	-1.147e+05	-806.23
6	90	-1622.88	-464.19	-4101.89	2.364e+04	-1.140e+05	-807.01
6	94	-420.64	-45.04	-2194.74	1309.23	-2.156e+04	-215.44
6	99	-1028.54	-311.54	-3107.05	1.683e+04	-7.617e+04	-500.35
6	103	-426.34	-102.47	-2233.29	5678.50	-2.958e+04	-204.96
6	105	-427.77	-116.83	-2242.93	6770.82	-3.159e+04	-202.34
6	106	-788.23	-233.66	-2761.40	1.281e+04	-5.834e+04	-381.15
8	1	569.88	-24.77	-6114.42	1020.33	-2506.36	3031.24
8	3	2298.66	-82.79	-1.264e+04	882.08	-2.392e+04	1.348e+04
8	4	2302.69	-81.04	-1.333e+04	621.39	-2.387e+04	1.349e+04
8	5	438.64	-18.20	-4443.40	760.74	1575.19	2179.72
8	25	-611.48	187.88	-5399.58	-4.770e+04	-2.149e+05	633.57
8	27	1629.55	-104.49	-6490.08	1.762e+04	1.256e+05	5261.87
8	30	-179.86	41.60	-5252.44	-1.579e+04	-1.541e+05	3684.00
8	44	1721.31	-372.02	-5748.53	7.546e+04	1.262e+05	1.134e+04
8	57	91.90	67.31	-5644.21	-2.099e+04	-1.096e+05	2760.40
8	59	1161.29	-65.39	-6169.06	8723.71	5.322e+04	4799.88
8	62	288.39	2.50	-5573.45	-6892.54	-8.173e+04	4146.00
8	76	1176.23	-181.38	-5811.99	3.368e+04	4.981e+04	7560.34
8	87	424.63	-18.95	-4584.91	813.78	-2636.71	2293.09
8	89	1577.15	-57.63	-8932.37	721.61	-1.691e+04	9258.61
8	90	1579.83	-56.47	-9397.71	547.82	-1.688e+04	9267.40
8	98	379.09	-19.84	-4567.02	943.23	-9969.95	2383.28
8	99	955.35	-39.18	-6740.75	897.15	-1.711e+04	5866.04
8	105	379.09	-19.84	-4567.02	943.23	-9969.95	2383.28
8	106	724.84	-31.44	-5871.26	915.58	-1.425e+04	4472.94
10	3	258.29	1173.03	-307.75	-6.646e+04	7.561e+04	-512.47
10	9	348.83	490.71	-740.22	-1.756e+04	8.438e+04	-122.97
10	19	680.24	734.50	1873.16	-1.425e+04	1.511e+05	-92.38
10	21	605.13	1203.45	1882.68	-4.842e+04	1.436e+05	-365.01
10	33	-1144.95	-141.34	-5294.32	-3.082e+04	-2.506e+05	196.73
10	35	580.55	986.95	3567.29	-1.783e+04	1.416e+05	-367.59
10	38	-738.62	-545.56	-7593.58	-2.617e+04	-1.578e+05	30.08
10	53	-971.74	814.65	810.41	-3.215e+04	-2.117e+05	165.03

10	57	-567.98	154.60	-3180.22	-2.597e+04	-1.187e+05	-210.68
10	67	219.79	593.75	620.07	-2.003e+04	5.962e+04	-260.08
10	70	-377.86	-152.36	-4646.36	-2.398e+04	-7.577e+04	-77.44
10	85	-475.97	516.29	-637.82	-2.704e+04	-9.853e+04	-17.00
10	89	165.45	792.87	-459.72	-4.572e+04	4.971e+04	-352.11
10	91	225.82	337.99	-748.03	-1.312e+04	5.555e+04	-92.45
10	94	433.37	519.28	562.58	-1.380e+04	9.867e+04	-93.52
10	96	383.29	831.91	568.94	-3.658e+04	9.369e+04	-275.28
10	99	-93.34	310.02	-2011.33	-2.851e+04	-9495.87	-220.69
10	100	-59.81	85.06	-2071.72	-1.223e+04	-6193.69	-90.86
10	103	40.62	173.22	-1500.18	-1.255e+04	1.498e+04	-91.39
10	104	19.16	307.21	-1497.46	-2.231e+04	1.285e+04	-169.29
10	105	-57.57	86.71	-2015.87	-1.224e+04	-5939.58	-90.86
10	106	-79.03	220.70	-2013.15	-2.200e+04	-8073.36	-168.76
12	5	773.95	191.48	-5499.77	-1.510e+04	7.053e+04	-2.724e+04
12	7	869.63	-285.87	-6530.62	4.147e+04	7.740e+04	-2.711e+04
12	11	846.36	-176.37	-1.033e+04	5136.47	5.212e+04	-2.713e+04
12	21	1337.95	52.68	-6764.10	2.433e+04	1.387e+05	-4.534e+04
12	23	710.17	236.16	-8028.80	-8.540e+04	1.123e+05	211.67
12	26	-614.24	-636.20	-2372.36	6.598e+04	-1.717e+05	-85.55
12	33	-1083.28	403.70	-3411.89	-1.155e+05	-2.777e+05	-24.48
12	45	-976.01	442.53	-6200.36	-1.225e+05	-2.558e+05	168.33
12	55	370.01	-1.85	-6543.65	-4.402e+04	3.935e+04	132.29
12	57	-474.76	-265.15	-4322.26	1252.75	-1.432e+05	32.59
12	58	-274.08	-398.19	-3857.51	2.459e+04	-9.881e+04	-6.18
12	77	-409.20	83.55	-5657.15	-5.943e+04	-1.304e+05	109.61
12	87	525.85	90.80	-5537.15	-2.120e+04	3.231e+04	-1.815e+04
12	91	523.15	93.25	-6866.45	-2.166e+04	3.173e+04	-1.815e+04
12	93	567.80	-129.52	-7347.51	4740.90	3.494e+04	-1.808e+04
12	96	901.86	-1.74	-6380.03	5089.29	7.779e+04	-3.021e+04
12	98	28.83	-104.55	-4994.41	-2.103e+04	-3.110e+04	36.94
12	100	28.29	-104.06	-5260.27	-2.112e+04	-3.122e+04	37.54
12	102	47.42	-199.53	-5466.44	-9804.74	-2.984e+04	63.65
12	105	28.83	-104.55	-4994.41	-2.103e+04	-3.110e+04	36.94
12	106	47.96	-200.02	-5200.58	-9712.33	-2.973e+04	63.06
14	5	490.74	816.21	-4302.62	2.276e+04	9.739e+04	2.746e+04
14	9	485.75	905.10	-6172.47	4.508e+04	1.193e+05	2.746e+04
14	15	820.08	1306.99	-6703.76	4.395e+04	1.684e+05	4.577e+04
14	18	805.07	1547.74	-7637.79	4.305e+04	1.628e+05	4.578e+04
14	44	498.58	-191.81	-1392.69	3.576e+04	2.602e+05	-264.21
14	51	-226.52	1128.45	-7360.29	2.654e+04	-6.715e+04	118.54
14	52	408.37	-349.83	-626.38	3.667e+04	2.213e+05	-218.74
14	54	204.49	-642.12	749.58	3.486e+04	1.251e+05	-106.21
14	76	207.67	30.58	-2366.37	3.310e+04	1.279e+05	-112.40
14	83	-105.07	678.06	-5295.90	2.865e+04	-1.226e+04	56.07
14	84	170.96	-50.76	-1978.73	3.360e+04	1.114e+05	-94.77
14	86	83.03	-191.73	-1314.81	3.275e+04	7.017e+04	-43.74
14	87	324.69	606.52	-4069.50	2.984e+04	7.944e+04	1.831e+04
14	91	322.99	624.16	-4361.01	2.984e+04	7.929e+04	1.831e+04
14	94	545.88	892.09	-4715.20	2.909e+04	1.120e+05	3.051e+04
14	97	535.87	1052.59	-5337.88	2.848e+04	1.083e+05	3.052e+04
14	98	-7.09	178.16	-3100.96	3.096e+04	3.054e+04	3.08
14	100	-7.43	181.69	-3159.26	3.096e+04	3.051e+04	3.00
14	103	103.51	320.95	-3423.81	3.059e+04	4.684e+04	6104.81
14	104	99.58	385.95	-3628.20	3.033e+04	4.525e+04	6107.90
14	105	-7.09	178.16	-3100.96	3.096e+04	3.054e+04	3.08
14	106	-11.02	243.16	-3305.36	3.070e+04	2.895e+04	6.16
45	3	392.21	7.91	-5644.12	-4950.17	5.874e+04	7.21
45	4	383.57	7.16	-5854.30	-4805.30	5.756e+04	7.16
45	5	110.93	-30.89	-2514.85	5627.37	1.632e+04	-7.27
45	16	147.50	-45.70	-3660.00	8850.06	2.166e+04	-13.18
45	23	975.19	-98.11	-3543.29	2.324e+04	2.748e+05	-34.04
45	24	703.04	-359.24	-3758.95	9.233e+04	1.935e+05	-151.58
45	25	-374.00	343.72	-2240.81	-9.374e+04	-1.442e+05	163.12
45	45	450.54	540.38	-2512.83	-1.458e+05	1.095e+05	252.44
45	55	551.25	-51.98	-3262.75	1.102e+04	1.440e+05	-13.72
45	56	427.53	-165.18	-3362.01	4.096e+04	1.070e+05	-64.67
45	57	-98.50	149.65	-2637.75	-4.238e+04	-5.770e+04	76.21
45	77	290.76	231.79	-2774.65	-6.409e+04	6.216e+04	113.60
45	87	116.69	-25.94	-2577.82	4210.94	1.725e+04	-3.79
45	89	273.55	2.95	-4054.68	-3070.12	4.098e+04	5.19
45	90	267.80	2.45	-4194.81	-2973.54	4.019e+04	5.15
45	95	110.42	-32.79	-2731.94	6130.03	1.626e+04	-8.40
45	98	117.46	-16.43	-2556.82	1477.18	1.754e+04	3.08
45	99	195.89	-1.98	-3295.25	-2163.35	2.940e+04	7.57
45	103	117.20	-19.60	-2563.82	2388.43	1.744e+04	0.79
45	105	117.46	-16.43	-2556.82	1477.18	1.754e+04	3.08

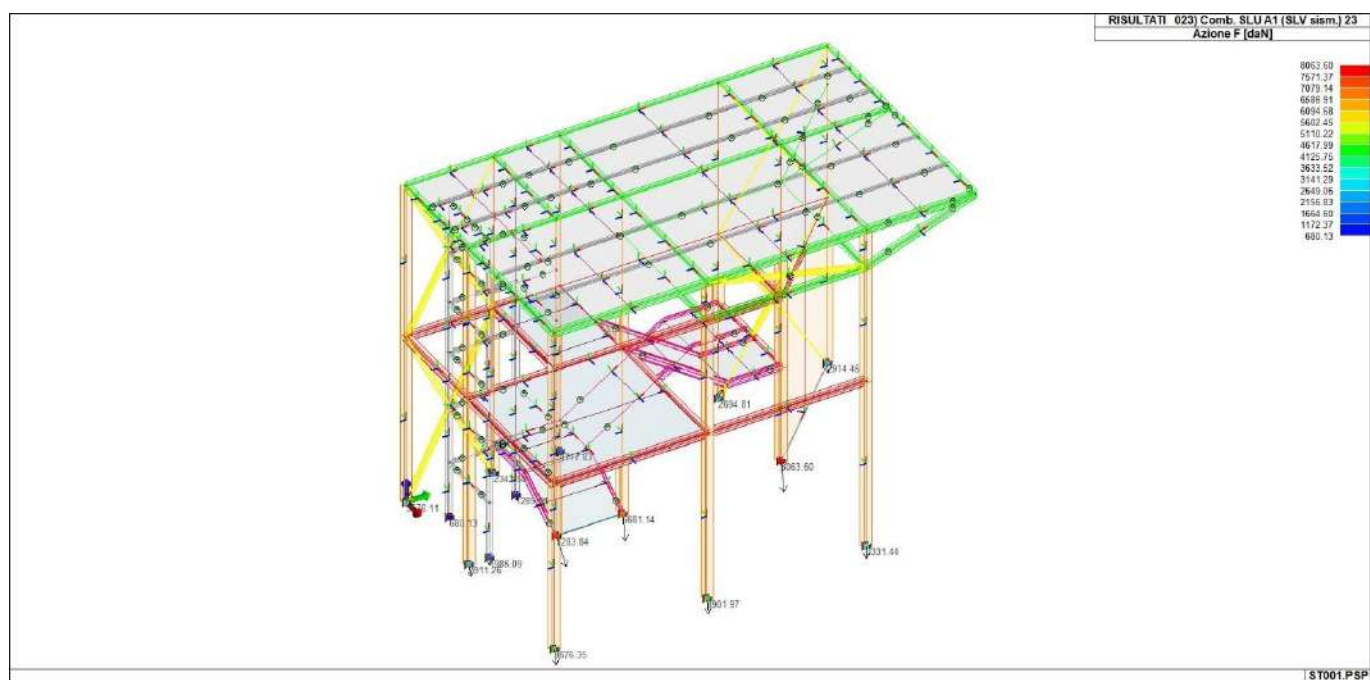
45	106	164.52	-7.76	-2999.88	-707.14	2.466e+04	5.77
48	3	287.02	65.82	-6033.42	-1.364e+04	4.201e+04	-18.56
48	4	287.48	64.03	-6406.86	-1.333e+04	4.225e+04	-19.14
48	5	101.89	8.82	-2828.75	-328.41	1.980e+04	-26.42
48	18	258.28	39.15	-5824.90	-6970.12	4.319e+04	-39.41
48	24	639.41	-358.63	-4345.36	9.224e+04	1.891e+05	-122.35
48	25	-413.82	426.48	-2127.01	-1.062e+05	-1.598e+05	126.39
48	45	-302.70	645.90	-2232.29	-1.616e+05	-1.102e+05	206.45
48	56	362.43	-141.91	-3755.08	3.747e+04	9.752e+04	-52.73
48	57	-136.83	209.76	-2717.28	-5.139e+04	-6.814e+04	56.77
48	77	-75.96	301.43	-2790.87	-7.453e+04	-4.223e+04	90.12
48	87	98.67	14.00	-2874.01	-1779.63	1.738e+04	-17.48
48	89	199.17	46.98	-4339.20	-9673.64	2.905e+04	-12.29
48	90	199.48	45.78	-4588.16	-9472.29	2.921e+04	-12.67
48	97	180.01	29.20	-4200.19	-5229.07	2.983e+04	-26.19
48	98	82.65	24.03	-2796.62	-4592.17	1.119e+04	0.46
48	99	132.90	40.52	-3529.22	-8539.17	1.702e+04	3.06
48	105	82.65	24.03	-2796.62	-4592.17	1.119e+04	0.46
48	106	112.80	33.92	-3236.18	-6960.37	1.469e+04	2.02
56	3	118.46	47.92	-2862.29	-1.093e+04	5.159e+04	-103.99
56	5	121.30	1.07	-2119.19	843.34	5.319e+04	-86.04
56	11	126.77	32.17	-4137.67	-7180.57	5.517e+04	-103.76
56	16	203.97	-2.95	-3513.50	2452.49	8.946e+04	-143.09
56	31	246.13	-196.67	-3395.80	5.595e+04	1.124e+05	-279.89
56	32	414.42	-427.27	-2881.92	1.204e+05	1.898e+05	-180.71
56	34	-236.15	234.77	-838.82	-6.540e+04	-1.087e+05	256.42
56	45	-373.08	502.68	-2667.29	-1.400e+05	-1.719e+05	-111.46
56	63	113.67	-80.02	-2726.98	2.317e+04	5.165e+04	-138.38
56	64	188.02	-180.11	-2488.58	5.112e+04	8.585e+04	-91.30
56	66	-103.69	118.11	-1507.63	-3.262e+04	-4.796e+04	114.92
56	77	-162.69	230.61	-2367.50	-6.387e+04	-7.523e+04	-59.28
56	87	83.02	4.28	-2145.78	-314.72	3.630e+04	-60.50
56	89	79.62	33.22	-2161.13	-7596.10	3.465e+04	-70.29
56	93	85.16	22.72	-3011.39	-5095.27	3.703e+04	-70.14
56	95	136.63	-0.69	-2595.27	1326.77	5.989e+04	-96.36
56	98	6.01	10.36	-2112.70	-2539.63	2339.78	-8.79
56	99	4.31	24.84	-2120.37	-6180.33	1510.83	-13.69
56	102	5.89	18.68	-2288.28	-4660.77	2219.70	-12.29
56	103	31.68	8.33	-2123.73	-1797.99	1.366e+04	-26.03
56	105	6.01	10.36	-2112.70	-2539.63	2339.78	-8.79
56	106	4.99	19.05	-2117.31	-4724.05	1842.41	-11.73
74	3	-191.20	25.40	-3387.32	-2210.49	-7483.24	-4.43
74	4	-191.65	25.24	-3495.40	-2184.55	-7499.36	-4.54
74	5	-17.74	4.92	-1075.27	-598.12	-576.49	-1.85
74	28	197.72	-4.73	-1169.30	2192.15	1.346e+04	-23.17
74	29	-326.24	20.19	-1711.62	-3357.06	-1.873e+04	21.01
74	30	-411.12	-15.31	-1615.51	-390.69	-2.395e+04	-2.66
74	45	1.64	89.49	-1628.15	-7234.19	1415.87	59.23
74	60	62.02	1.31	-1301.80	773.51	5123.73	-11.81
74	61	-190.53	14.14	-1579.13	-1938.42	-1.039e+04	9.66
74	62	-231.41	-4.05	-1531.76	-440.09	-1.291e+04	-2.28
74	77	-32.49	49.67	-1533.53	-3912.49	-681.99	29.12
74	87	-23.47	4.66	-1090.17	-497.93	-876.28	-1.46
74	89	-130.78	17.38	-2376.95	-1505.26	-5130.73	-3.01
74	90	-131.09	17.27	-2449.01	-1487.97	-5141.48	-3.09
74	98	-32.06	3.91	-1054.43	-280.26	-1358.28	-0.61
74	99	-85.72	10.27	-1697.82	-783.92	-3485.50	-1.39
74	105	-32.06	3.91	-1054.43	-280.26	-1358.28	-0.61
74	106	-64.26	7.73	-1440.46	-582.46	-2634.61	-1.08
77	3	-0.08	9.23	-713.42	-1525.93	-41.81	-0.18
77	11	-0.07	6.84	-904.68	-1175.79	15.50	-0.75
77	19	0.49	2.83	-506.04	-696.49	181.29	-2.41
77	20	0.47	2.65	-606.22	-669.70	197.74	-2.52
77	26	-92.15	-3.65	-388.31	-495.42	-3.201e+04	-25.07
77	28	63.55	-11.23	-676.12	2271.27	2.252e+04	10.26
77	29	-64.17	16.05	-386.09	-2985.21	-2.271e+04	-9.51
77	45	29.68	39.37	-582.30	-5378.32	9575.72	37.03
77	58	-44.28	-0.82	-462.38	-391.29	-1.537e+04	-11.21
77	60	30.63	-4.42	-601.11	906.60	1.084e+04	5.07
77	61	-31.26	9.23	-461.10	-1620.55	-1.103e+04	-4.32
77	77	13.05	21.20	-555.24	-2800.80	4233.02	16.52
77	89	-0.07	6.28	-540.63	-1035.18	-32.34	-0.09
77	93	-0.07	4.68	-668.14	-801.75	5.86	-0.47
77	94	0.21	2.26	-517.36	-520.76	88.75	-1.57
77	95	0.20	2.14	-584.15	-502.90	99.71	-1.64
77	99	-0.33	3.31	-535.14	-488.78	-105.51	0.53
77	102	-0.32	2.36	-557.82	-349.83	-90.28	0.35

77	103	-0.19	1.30	-523.51	-231.57	-44.97	-0.20
77	105	-0.29	1.06	-525.04	-159.27	-78.40	0.14
77	106	-0.31	2.41	-531.10	-356.97	-94.67	0.37
80	3	-0.13	2.46	-1557.89	-1050.68	-44.11	-1.15
80	5	0.18	-0.10	-876.96	-123.82	80.52	-1.91
80	11	-0.11	0.40	-1706.47	-615.08	13.66	-1.95
80	20	0.47	-0.68	-1012.23	-52.02	197.51	-3.54
80	26	-92.42	8.16	54.46	-2260.66	-3.203e+04	6.31
80	44	-30.39	-45.79	462.79	1.121e+04	-9768.47	-52.15
80	45	29.72	46.47	-2391.29	-1.178e+04	9576.78	52.61
80	58	-44.42	4.17	-499.43	-1254.43	-1.538e+04	3.09
80	76	-13.73	-19.93	-335.64	4760.42	-4424.60	-22.95
80	77	13.05	20.61	-1592.86	-5330.47	4232.91	23.42
80	87	-1.64e-03	-0.16	-892.45	-116.19	21.25	-1.27
80	89	-0.11	1.65	-1145.36	-715.87	-33.97	-0.74
80	93	-0.10	0.27	-1244.42	-425.47	4.54	-1.28
80	95	0.19	-0.55	-982.63	-68.32	99.24	-2.35
80	98	-0.30	-0.20	-888.38	-105.12	-79.28	0.07
80	99	-0.36	0.70	-1014.83	-404.96	-106.89	0.34
80	105	-0.30	-0.20	-888.38	-105.12	-79.28	0.07
80	106	-0.34	0.34	-964.25	-285.03	-95.84	0.23

Nodo		Azione X	Azione Y	Azione Z	Azione RX	Azione RY	Azione RZ
		-4263.60	-973.59	-1.333e+04	-1.616e+05	-3.007e+05	-4.534e+04
		3374.25	1547.74	3718.51	1.204e+05	2.748e+05	4.578e+04

Nodo	Cmb	Azione X daN	Azione Y daN	Azione Z daN	Azione RX daN cm	Azione RY daN cm	Azione RZ daN cm
1	54	-609.53	-697.18	-4902.96	8129.06	-1.793e+05	-91.99
	51	605.93	805.78	3718.51	-9446.01	1.787e+05	102.10
	51	605.93	805.78	3718.51	-9446.01	1.787e+05	102.10
	54	-609.53	-697.18	-4902.96	8129.06	-1.793e+05	-91.99
	26	-860.91	-473.83	-4607.07	4304.71	-2.575e+05	40.93
2	23	857.32	582.44	3422.62	-5621.66	2.569e+05	-30.82
	4	-310.87	40.38	-5021.64	-9484.26	-4.661e+04	1.60
	45	220.63	292.85	-869.40	-7.258e+04	7.506e+04	248.12
	45	220.63	292.85	-869.40	-7.258e+04	7.506e+04	248.12
	44	-481.04	-268.08	-4375.20	6.661e+04	-1.142e+05	-238.39
4	26	-1147.20	61.63	-2471.93	-1.520e+04	-3.007e+05	44.74
	23	886.80	-36.86	-2772.66	9234.96	2.616e+05	-35.00
	49	-400.86	639.49	-5896.25	417.42	-2945.69	78.10
	48	263.35	-902.48	2013.01	2.526e+04	-1.114e+04	159.27
	51	-1409.26	710.61	-4411.78	-621.28	9373.29	79.46
5	3	-283.69	-86.83	-4901.53	3.220e+04	-2.023e+04	357.25
	30	2223.08	-96.60	-3646.97	1.108e+04	-3.492e+04	162.19
	27	-2360.59	-166.39	-236.27	1.459e+04	2.084e+04	75.17
	28	3374.25	-188.11	-5875.00	4.325e+04	9.724e+04	56.82
	29	-3196.59	208.86	2876.83	-4.848e+04	-1.011e+05	-120.15
6	45	915.51	341.53	-2344.04	-7.899e+04	2.300e+04	-1202.39
	44	-737.85	-320.78	-654.13	7.377e+04	-2.688e+04	1139.06
	30	-4263.60	82.35	1790.70	-1.939e+04	-1.334e+05	386.34
	27	4441.26	-61.60	-4788.88	1.416e+04	1.295e+05	-449.67
	4	-2360.98	-676.77	-5750.49	3.430e+04	-1.657e+05	-1175.91
8	28	-716.36	-356.12	-1090.64	2.157e+04	9.334e+04	-715.92
	19	-404.86	-5.30	-2124.41	-1612.48	-1.560e+04	-216.13
	4	-2360.98	-676.77	-5750.49	3.430e+04	-1.657e+05	-1175.91
	25	-861.52	-117.78	-4420.96	4616.73	-2.106e+05	-17.70
	24	-714.94	-349.53	-1101.84	2.100e+04	9.396e+04	-744.60
10	4	2302.69	-81.04	-1.333e+04	621.39	-2.387e+04	1.349e+04
	5	438.64	-18.20	-4443.40	760.74	1575.19	2179.72
	45	-271.62	309.13	-5993.98	-7.363e+04	-1.547e+05	-2393.59
	44	1721.31	-372.02	-5748.53	7.546e+04	1.262e+05	1.134e+04
	25	-611.48	187.88	-5399.58	-4.770e+04	-2.149e+05	633.57
12	24	2061.16	-250.77	-6342.94	4.953e+04	1.864e+05	8312.31
	38	-738.62	-545.56	-7593.58	-2.617e+04	-1.578e+05	30.08
	35	580.55	986.95	3567.29	-1.783e+04	1.416e+05	-367.59
	3	258.29	1173.03	-307.75	-6.646e+04	7.561e+04	-512.47
	52	813.67	-373.26	-4836.70	-1.185e+04	1.956e+05	-502.54
	33	-1144.95	-141.34	-5294.32	-3.082e+04	-2.506e+05	196.73
	32	986.88	582.73	1268.03	-1.318e+04	2.344e+05	-534.24
	11	846.36	-176.37	-1.033e+04	5136.47	5.212e+04	-2.713e+04
	26	-614.24	-636.20	-2372.36	6.598e+04	-1.717e+05	-85.55
	45	-976.01	442.53	-6200.36	-1.225e+05	-2.558e+05	168.33
	44	1071.94	-842.57	-4200.80	1.031e+05	1.964e+05	-42.22
	33	-1083.28	403.70	-3411.89	-1.155e+05	-2.777e+05	-24.48
	32	1179.21	-803.74	-6989.27	9.611e+04	2.182e+05	150.60

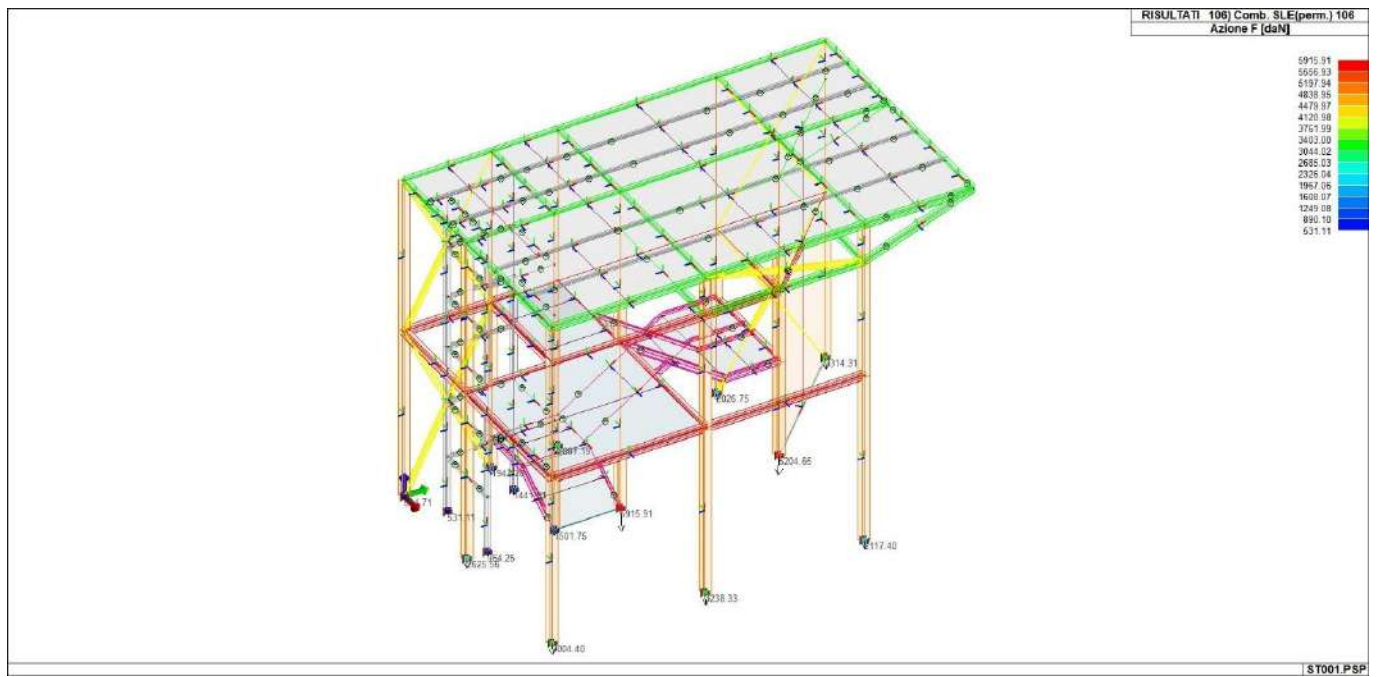
14	18	805.07	1547.74	-7637.79	4.305e+04	1.628e+05	4.578e+04
	54	204.49	-642.12	749.58	3.486e+04	1.251e+05	-106.21
	21	808.78	1472.09	-5986.57	2.072e+04	1.407e+05	4.578e+04
	9	485.75	905.10	-6172.47	4.508e+04	1.193e+05	2.746e+04
	45	-520.61	678.14	-5218.02	2.564e+04	-2.023e+05	276.53
45	44	498.58	-191.81	-1392.69	3.576e+04	2.602e+05	-264.21
	4	383.57	7.16	-5854.30	-4805.30	5.756e+04	7.16
	25	-374.00	343.72	-2240.81	-9.374e+04	-1.442e+05	163.12
	45	450.54	540.38	-2512.83	-1.458e+05	1.095e+05	252.44
	44	-121.50	-555.91	-3486.93	1.443e+05	-6.014e+04	-240.90
48	26	-646.15	82.58	-2456.47	-2.466e+04	-2.254e+05	45.58
	23	975.19	-98.11	-3543.29	2.324e+04	2.748e+05	-34.04
	4	287.48	64.03	-6406.86	-1.333e+04	4.225e+04	-19.14
	25	-413.82	426.48	-2127.01	-1.062e+05	-1.598e+05	126.39
	45	-302.70	645.90	-2232.29	-1.616e+05	-1.102e+05	206.45
56	44	528.30	-578.05	-4240.07	1.477e+05	1.396e+05	-202.41
	25	-413.82	426.48	-2127.01	-1.062e+05	-1.598e+05	126.39
	24	639.41	-358.63	-4345.36	9.224e+04	1.891e+05	-122.35
	11	126.77	32.17	-4137.67	-7180.57	5.517e+04	-103.76
	34	-236.15	234.77	-838.82	-6.540e+04	-1.087e+05	256.42
74	45	-373.08	502.68	-2667.29	-1.400e+05	-1.719e+05	-111.46
	44	383.06	-464.59	-1567.32	1.306e+05	1.756e+05	87.99
	33	-404.44	465.37	-1352.69	-1.299e+05	-1.861e+05	157.25
	32	414.42	-427.27	-2881.92	1.204e+05	1.898e+05	-180.71
	4	-191.65	25.24	-3495.40	-2184.55	-7499.36	-4.54
77	98	-32.06	3.91	-1054.43	-280.26	-1358.28	-0.61
	45	1.64	89.49	-1628.15	-7234.19	1415.87	59.23
	44	-130.16	-74.03	-1252.77	6069.27	-6685.09	-61.38
	30	-411.12	-15.31	-1615.51	-390.69	-2.395e+04	-2.66
	27	282.61	30.76	-1265.41	-774.22	1.869e+04	0.50
80	11	-0.07	6.84	-904.68	-1175.79	15.50	-0.75
	29	-64.17	16.05	-386.09	-2985.21	-2.271e+04	-9.51
	45	29.68	39.37	-582.30	-5378.32	9575.72	37.03
	44	-30.31	-34.55	-479.91	4664.38	-9765.06	-36.28
	26	-92.15	-3.65	-388.31	-495.42	-3.201e+04	-25.07
	23	91.53	8.47	-673.89	-218.53	3.183e+04	25.82
	45	29.72	46.47	-2391.29	-1.178e+04	9576.78	52.61
	44	-30.39	-45.79	462.79	1.121e+04	-9768.47	-52.15
	45	29.72	46.47	-2391.29	-1.178e+04	9576.78	52.61
	44	-30.39	-45.79	462.79	1.121e+04	-9768.47	-52.15
	26	-92.42	8.16	54.46	-2260.66	-3.203e+04	6.31
	23	91.74	-7.47	-1982.96	1690.61	3.184e+04	-5.85



42_RIS_REAZIONI_023_Comb SLU A1 SLV sism 23



42_RIS_REAZIONI_055_Comb SLE SLD Danno sism 55



42_RIS_REAZIONI_106_Comb SLEperm 106

RISULTATI ELEMENTI TIPO TRAVE

LEGENDA RISULTATI ELEMENTI TIPO TRAVE

Il controllo dei risultati delle analisi condotte, per quanto concerne gli elementi tipo trave, è possibile in relazione alle tabelle sotto riportate.

Gli elementi vengono suddivisi in relazione alle proprietà in elementi:

- tipo **pilastro**
- tipo **trave in elevazione**
- tipo **trave in fondazione**

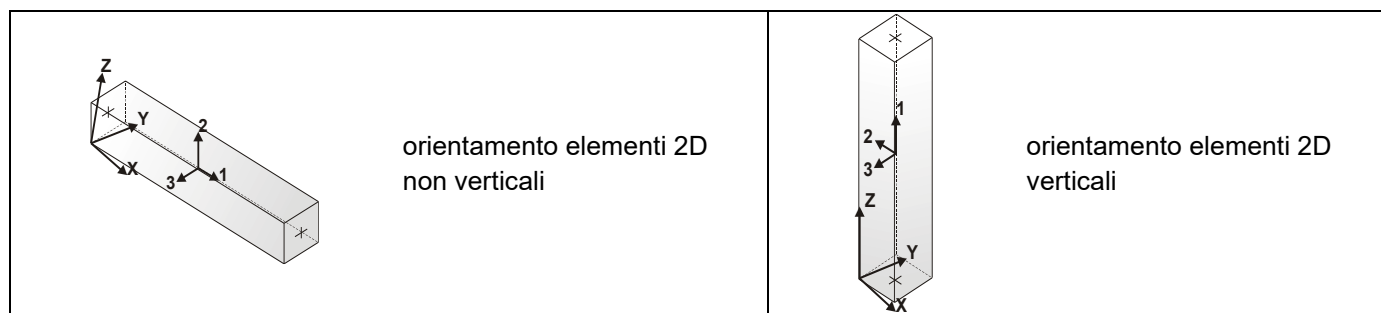
Per ogni elemento e per ogni combinazione (o caso di carico) vengono riportati i risultati più significativi.

Per gli elementi tipo *pilastro* sono riportati in tabella i seguenti valori:

Pilas.	numero dell'elemento pilastro
Cmb	combinazione in cui si verificano i valori riportati
M3 mx/mn	momento flettente in campata M3 max (prima riga) / min (seconda riga)
M2 mx/mn	momento flettente in campata M2 max (prima riga) / min (seconda riga)
D2/D3	freccia massima in direzione 2 (prima riga) / direzione 3 (seconda riga)
Q2/Q3	carico totale in direzione 2 (prima riga) / direzione 3 (seconda riga)
Pos.	ascissa del punto iniziale e finale dell'elemento
N, V2, ecc..	sei componenti di sollecitazione al piede ed in sommità dell'elemento

Per gli elementi tipo *trave in elevazione* sono riportati, oltre al numero dell'elemento, i medesimi risultati visti per i pilastri.

Per gli elementi tipo *trave in fondazione* (trave f.) sono riportati, oltre al numero dell'elemento, i medesimi risultati visti per i pilastri e la massima pressione sul terreno.



Pilas.	Cmb	M3 mx/mn	M2 mx/mn	D 2 / D 3	Q 2 / Q 3	Pos.	N	V 2	V 3	T	M 2	M 3
		daN cm	daN cm	cm	daN	cm	daN	daN	daN	daN cm	daN cm	daN cm
10	3	1.177e+05	-1392.72	-0.07	0.0	0.0	-5644.12	392.21	7.91	7.21	-4950.17	-5.874e+04
		-5.874e+04	-4950.17	-0.09	0.0	225.0	-5464.79	392.21	7.91	7.21	-3171.45	2.950e+04
						450.0	-5285.46	392.21	7.91	7.21	-1392.72	1.177e+05
10	4	1.151e+05	-1584.53	-0.07	0.0	0.0	-5854.30	383.57	7.16	7.16	-4805.30	-5.756e+04
		-5.756e+04	-4805.30	-0.09	0.0	225.0	-5674.98	383.57	7.16	7.16	-3194.91	2.875e+04
						450.0	-5495.65	383.57	7.16	7.16	-1584.53	1.151e+05
10	5	3.360e+04	5627.37	-0.02	0.0	0.0	-2514.85	110.93	-30.89	-7.27	5627.37	-1.632e+04
		-1.632e+04	-8273.48	0.03	0.0	225.0	-2376.91	110.93	-30.89	-7.27	-1323.05	8635.49
						450.0	-2238.96	110.93	-30.89	-7.27	-8273.48	3.360e+04
10	16	4.472e+04	8850.06	-0.03	0.0	0.0	-3660.00	147.50	-45.70	-13.18	8850.06	-2.166e+04
		-2.166e+04	-1.172e+04	0.05	0.0	225.0	-3480.68	147.50	-45.70	-13.18	-1433.03	1.153e+04
						450.0	-3301.35	147.50	-45.70	-13.18	-1.172e+04	4.472e+04
10	23	1.648e+05	2.324e+04	-1.09	0.0	0.0	-3543.29	975.19	-98.11	-34.04	2.324e+04	-2.748e+05
		-2.748e+05	-2.089e+04	0.21	0.0	225.0	-3405.35	975.19	-98.11	-34.04	1176.61	-5.500e+04
						450.0	-3267.40	975.19	-98.11	-34.04	-2.089e+04	1.648e+05
10	24	1.231e+05	9.233e+04	-0.75	0.0	0.0	-3758.95	703.04	-359.24	-151.58	9.233e+04	-1.935e+05
		-1.935e+05	-6.935e+04	0.93	0.0	225.0	-3621.01	703.04	-359.24	-151.58	1.149e+04	-2.433e+04
						450.0	-3483.06	703.04	-359.24	-151.58	-6.935e+04	1.231e+05
10	25	1.442e+05	6.095e+04	0.75	0.0	0.0	-2240.81	-374.00	343.72	163.12	-9.374e+04	1.442e+05
		-2.433e+04	-9.374e+04	-1.02	0.0	225.0	-2102.87	-374.00	343.72	163.12	-1.640e+04	5.994e+04
						450.0	-1964.93	-374.00	343.72	163.12	6.095e+04	-2.433e+04
10	26	2.254e+05	1.249e+04	1.09	0.0	0.0	-2456.47	-646.15	82.58	45.58	-2.466e+04	2.254e+05
		-6.601e+04	-2.466e+04	-0.30	0.0	225.0	-2318.53	-646.15	82.58	45.58	-6084.08	7.971e+04
						450.0	-2180.58	-646.15	82.58	45.58	1.249e+04	-6.601e+04
10	44	6.014e+04	1.443e+05	0.36	0.0	0.0	-3486.93	-121.50	-555.91	-240.90	1.443e+05	6.014e+04
		4834.25	-1.059e+05	1.47	0.0	225.0	-3348.99	-121.50	-555.91	-240.90	1.924e+04	3.249e+04
						450.0	-3211.04	-121.50	-555.91	-240.90	-1.059e+05	4834.25
10	45	9.392e+04	9.747e+04	-0.36	0.0	0.0	-2512.83	450.54	540.38	252.44	-1.458e+05	-1.095e+05
		-1.095e+05	-1.458e+05	-1.56	0.0	225.0	-2374.89	450.54	540.38	252.44	-2.414e+04	-7768.89
						450.0	-2236.94	450.54	540.38	252.44	9.747e+04	9.392e+04
10	55	1.044e+05	1.102e+04	-0.52	0.0	0.0	-3262.75	551.25	-51.98	-13.72	1.102e+04	-1.440e+05
		-1.440e+05	-1.236e+04	0.08	0.0	225.0	-3124.80	551.25	-51.98	-13.72	-668.00	-1.979e+04
						450.0	-2986.86	551.25	-51.98	-13.72	-1.236e+04	1.044e+05
10	56	8.550e+04	4.096e+04	-0.36	0.0	0.0	-3362.01	427.53	-165.18	-64.67	4.096e+04	-1.070e+05
		-1.070e+05	-3.338e+04	0.39	0.0	225.0	-3224.07	427.53	-165.18	-64.67	3793.16	-1.076e+04
						450.0	-3086.12	427.53	-165.18	-64.67	-3.338e+04	8.550e+04
10	57	5.770e+04	2.498e+04	0.36	0.0	0.0	-2637.75	-98.50	149.65	76.21	-4.238e+04	5.770e+04
		1.325e+04	-4.238e+04	-0.48	0.0	225.0	-2499.81	-98.50	149.65	76.21	-8700.63	3.548e+04
						450.0	-2361.86	-98.50	149.65	76.21	2.498e+04	1.325e+04
10	76	2.974e+04	6.267e+04	0.16	0.0	0.0	-3225.11	38.28	-247.32	-102.06	6.267e+04	1.284e+04
		1.284e+04	-4.864e+04	0.62	0.0	225.0	-3087.17	38.28	-247.32	-102.06	7014.65	2.129e+04
						450.0	-2949.22	38.28	-247.32	-102.06	-4.864e+04	2.974e+04
10	77	6.902e+04	4.024e+04	-0.16	0.0	0.0	-2774.65	290.76	231.79	113.60	-6.409e+04	-6.216e+04
		-6.216e+04	-6.409e+04	-0.71	0.0	225.0	-2636.71	290.76	231.79	113.60	-1.192e+04	3428.10
						450.0	-2498.77	290.76	231.79	113.60	4.024e+04	6.902e+04
10	87	3.526e+04	4210.94	-0.02	0.0	0.0	-2577.82	116.69	-25.94	-3.79	4210.94	-1.725e+04
		-1.725e+04	-7464.28	0.02	0.0	225.0	-2439.87	116.69	-25.94	-3.79	-1626.67	9009.37
						450.0	-2301.93	116.69	-25.94	-3.79	-7464.28	3.526e+04
10	89	8.212e+04	-1741.24	-0.05	0.0	0.0	-4054.68	273.55	2.95	5.19	-3070.12	-4.098e+04
		-4.098e+04	-3070.12	-0.06	0.0	225.0	-3916.73	273.55	2.95	5.19	-2405.68	2.057e+04
						450.0	-3778.79	273.55	2.95	5.19	-1741.24	8.212e+04
10	90	8.032e+04	-1869.11	-0.05	0.0	0.0	-4194.81	267.80	2.45	5.15	-2973.54	-4.019e+04
		-4.019e+04	-2973.54	-0.06	0.0	225.0	-4056.86	267.80	2.45	5.15	-2421.32	2.006e+04
						450.0	-3918.92	267.80	2.45	5.15	-1869.11	8.032e+04
10	95	3.343e+04	6130.03	-0.02	0.0	0.0	-2731.94	110.42	-32.79	-8.40	6130.03	-1.626e+04
		-1.626e+04	-8623.51	0.03	0.0	225.0	-2593.99	110.42	-32.79	-8.40	-1246.74	8583.88
						450.0	-2456.05	110.42	-32.79	-8.40	-8623.51	3.343e+04
10	98	3.532e+04	1477.18	-0.02	0.0	0.0	-2556.82	117.46	-16.43	3.08	1477.18	-1.754e+04
		-1.754e+04	-5917.24	-0.02	0.0	225.0	-2418.88	117.46	-16.43	3.08	-2220.03	8892.25
						450.0	-2280.93	117.46	-16.43	3.08	-5917.24	3.532e+04
10	99	5.875e+04	-2163.35	-0.04	0.0	0.0	-3295.25	195.89	-1.98	7.57	-2163.35	-2.940e+04
		-2.940e+04	-3055.72	-0.06	0.0	225.0	-3157.31	195.89	-1.98	7.57	-2609.54	1.467e+04
						450.0	-3019.37	195.89	-1.98	7.57	-3055.72	5.875e+04
10	103	3.530e+04	2388.43	-0.02	0.0	0.0	-2563.82	117.20	-19.60	0.79	2388.43	-1.744e+04
		-1.744e+04	-6432.92	-0.01	0.0	225.0	-2425.88	117.20	-19.60	0.79	-2022.24	8931.29
						450.0	-2287.93	117.20	-19.60	0.79	-6432.92	3.530e+04
10	105	3.532e+04	1477.18	-0.02	0.0	0.0	-2556.82	117.46	-16.43	3.08	1477.18	-1.754e+04
		-1.754e+04	-5917.24	-0.02	0.0	225.0	-2418.88	117.46	-16.43	3.08	-2220.03	8892.25
						450.0	-2280.93	117.46	-16.43	3.08	-5917.24	3.532e+04
10	106	4.938e+04	-707.14	-0.03	0.0	0.0	-2999.88	164.52	-7.76	5.77	-707.14	-2.466e+04
		-2.466e+04	-4200.33	-0.05	0.0	225.0	-2861.94	164.52	-7.76	5.77	-2453.74	1.236e+04
						450.0	-2723.99	164.52	-7.76	5.77	-4200.33	4.938e+04
11	3	1780.77	-3298.73	6.62e-04	0.0	0.0	-2178.99	-21.53	35.20	1.08	-8578.29	1780.77

		-1449.04	-8578.29	-0.02	0.0	75.0	-2119.22	-21.53	35.20	1.08	-5938.51	165.86
						150.0	-2059.44	-21.53	35.20	1.08	-3298.73	-1449.04
11	4	1635.67	-3276.74	4.84e-04	0.0	0.0	-2309.30	-22.43	33.04	0.40	-8232.80	1635.67
		-1729.21	-8232.80	-0.02	0.0	75.0	-2249.52	-22.43	33.04	0.40	-5754.77	-46.77
						150.0	-2189.75	-22.43	33.04	0.40	-3276.74	-1729.21
11	5	-2970.37	-602.53	-3.37e-03	0.0	0.0	-1204.67	-12.32	4.72	-7.71	-1309.83	-2970.37
		-4817.99	-1309.83	-2.87e-03	0.0	75.0	-1158.68	-12.32	4.72	-7.71	-956.18	-3894.18
						150.0	-1112.70	-12.32	4.72	-7.71	-602.53	-4817.99
11	12	-3260.56	-558.55	-3.73e-03	0.0	0.0	-1465.28	-14.12	0.40	-9.05	-618.85	-3260.56
		-5378.32	-618.85	-1.60e-03	0.0	75.0	-1419.30	-14.12	0.40	-9.05	-588.70	-4319.44
						150.0	-1373.32	-14.12	0.40	-9.05	-558.55	-5378.32
11	20	-5785.16	-612.53	-6.34e-03	0.0	0.0	-1360.04	-19.19	2.84	-14.83	-1038.84	-5785.16
		-8662.91	-1038.84	-2.40e-03	0.0	75.0	-1314.06	-19.19	2.84	-14.83	-825.68	-7224.04
						150.0	-1268.08	-19.19	2.84	-14.83	-612.53	-8662.91
11	27	-1.295e+05	1.411e+04	-0.14	0.0	0.0	-2529.02	-299.87	-60.85	-36.80	1.411e+04	-1.295e+05
		-1.743e+05	4970.09	0.03	0.0	75.0	-2483.04	-299.87	-60.85	-36.80	9537.69	-1.519e+05
						150.0	-2437.06	-299.87	-60.85	-36.80	4970.09	-1.743e+05
11	28	-9.724e+04	4.304e+04	-0.10	0.0	0.0	-2961.81	-227.74	-185.26	-127.26	4.304e+04	-9.724e+04
		-1.313e+05	1.526e+04	0.09	0.0	75.0	-2915.83	-227.74	-185.26	-127.26	2.915e+04	-1.143e+05
						150.0	-2869.85	-227.74	-185.26	-127.26	1.526e+04	-1.313e+05
11	29	1.337e+05	-1.739e+04	0.11	0.0	0.0	354.02	217.71	205.57	134.47	-4.822e+04	1.011e+05
		1.011e+05	-4.822e+04	-0.10	0.0	75.0	400.00	217.71	205.57	134.47	-3.281e+04	1.174e+05
						150.0	445.98	217.71	205.57	134.47	-1.739e+04	1.337e+05
11	30	1.767e+05	-7106.85	0.14	0.0	0.0	-78.77	289.85	81.16	44.01	-1.929e+04	1.334e+05
		1.334e+05	-1.929e+04	-0.04	0.0	75.0	-32.78	289.85	81.16	44.01	-1.320e+04	1.550e+05
						150.0	13.20	289.85	81.16	44.01	-7106.85	1.767e+05
11	44	3.460e+04	7.341e+04	0.03	0.0	0.0	-2230.75	51.50	-315.84	-233.25	7.341e+04	2.688e+04
		2.688e+04	2.605e+04	0.15	0.0	75.0	-2184.77	51.50	-315.84	-233.25	4.973e+04	3.074e+04
						150.0	-2138.79	51.50	-315.84	-233.25	2.605e+04	3.460e+04
11	45	-2.300e+04	-2.819e+04	-0.02	0.0	0.0	-377.04	-61.52	336.15	240.46	-7.859e+04	-2.300e+04
		-3.221e+04	-7.859e+04	-0.17	0.0	75.0	-331.06	-61.52	336.15	240.46	-5.339e+04	-2.760e+04
						150.0	-285.08	-61.52	336.15	240.46	-2.819e+04	-3.221e+04
11	59	-6.137e+04	5203.96	-0.06	0.0	0.0	-1893.88	-147.01	-22.96	-14.58	5203.96	-6.137e+04
		-8.333e+04	1756.40	0.01	0.0	75.0	-1847.90	-147.01	-22.96	-14.58	3480.18	-7.235e+04
						150.0	-1801.92	-147.01	-22.96	-14.58	1756.40	-8.333e+04
11	60	-4.586e+04	1.819e+04	-0.05	0.0	0.0	-2100.60	-112.28	-78.85	-55.38	1.819e+04	-4.586e+04
		-6.262e+04	6363.87	0.04	0.0	75.0	-2054.62	-112.28	-78.85	-55.38	1.228e+04	-5.424e+04
						150.0	-2008.63	-112.28	-78.85	-55.38	6363.87	-6.262e+04
11	61	6.501e+04	-8500.64	0.05	0.0	0.0	-507.19	102.26	99.15	62.59	-2.337e+04	4.974e+04
		4.974e+04	-2.337e+04	-0.05	0.0	75.0	-461.21	102.26	99.15	62.59	-1.593e+04	5.737e+04
						150.0	-415.23	102.26	99.15	62.59	-8500.64	6.501e+04
11	62	8.572e+04	-3893.17	0.07	0.0	0.0	-713.91	136.99	43.26	21.79	-1.039e+04	6.525e+04
		6.525e+04	-1.039e+04	-0.02	0.0	75.0	-667.92	136.99	43.26	21.79	-7139.88	7.549e+04
						150.0	-621.94	136.99	43.26	21.79	-3893.17	8.572e+04
11	76	1.730e+04	3.076e+04	0.01	0.0	0.0	-1745.88	22.21	-132.97	-100.77	3.076e+04	1.397e+04
		1.397e+04	1.082e+04	0.06	0.0	75.0	-1699.90	22.21	-132.97	-100.77	2.079e+04	1.564e+04
						150.0	-1653.92	22.21	-132.97	-100.77	1.082e+04	1.730e+04
11	77	-1.009e+04	-1.296e+04	-0.01	0.0	0.0	-861.91	-32.24	153.28	107.98	-3.595e+04	-1.009e+04
		-1.492e+04	-3.595e+04	-0.08	0.0	75.0	-815.93	-32.24	153.28	107.98	-2.445e+04	-1.250e+04
						150.0	-769.95	-32.24	153.28	107.98	-1.296e+04	-1.492e+04
11	87	-1596.39	-601.11	-1.94e-03	0.0	0.0	-1214.33	-9.34	4.62	-4.49	-1293.73	-1596.39
		-2997.86	-1293.73	-2.84e-03	0.0	75.0	-1168.35	-9.34	4.62	-4.49	-947.42	-2297.12
						150.0	-1122.37	-9.34	4.62	-4.49	-601.11	-2997.86
11	89	1304.20	-2265.32	5.31e-04	0.0	0.0	-1596.43	-14.80	24.01	0.99	-5867.33	1304.20
		-915.61	-5867.33	-0.01	0.0	75.0	-1550.45	-14.80	24.01	0.99	-4066.32	194.29
						150.0	-1504.47	-14.80	24.01	0.99	-2265.32	-915.61
11	90	1207.47	-2250.66	4.11e-04	0.0	0.0	-1683.30	-15.40	22.58	0.54	-5637.00	1207.47
		-1102.39	-5637.00	-0.01	0.0	75.0	-1637.32	-15.40	22.58	0.54	-3943.83	52.54
						150.0	-1591.34	-15.40	22.58	0.54	-2250.66	-1102.39
11	91	-1789.86	-571.79	-2.18e-03	0.0	0.0	-1388.08	-10.54	1.74	-5.39	-833.08	-1789.86
		-3371.41	-833.08	-2.00e-03	0.0	75.0	-1342.10	-10.54	1.74	-5.39	-702.43	-2580.63
						150.0	-1296.11	-10.54	1.74	-5.39	-571.79	-3371.41
11	95	-3472.92	-607.78	-3.92e-03	0.0	0.0	-1317.91	-13.92	3.37	-9.24	-1113.07	-3472.92
		-5561.14	-1113.07	-2.53e-03	0.0	75.0	-1271.93	-13.92	3.37	-9.24	-860.42	-4517.03
						150.0	-1225.95	-13.92	3.37	-9.24	-607.78	-5561.14
11	98	1073.30	-569.12	8.51e-04	0.0	0.0	-1189.27	-3.38	4.33	1.96	-1219.23	1073.30
		566.90	-1219.23	-2.68e-03	0.0	75.0	-1143.82	-3.38	4.33	1.96	-894.18	820.10
						150.0	-1097.30	-3.38	4.33	1.96	-569.12	566.90
11	99	2523.60	-1401.22	2.09e-03	0.0	0.0	-1380.31	-6.10	14.03	4.70	-3506.03	2523.60
		1608.02	-3506.03	-7.50e-03	0.0	75.0	-1334.33	-6.10	14.03	4.70	-2453.63	2065.81
						150.0	-1288.35	-6.10	14.03	4.70	-1401.22	1608.02
11	100	1034.61	-563.26	8.03e-04	0.0	0.0	-1224.01	-3.62	3.76	1.78	-1127.10	1034.61
		492.19	-1127.10	-2.51e-03	0.0	75.0	-1178.03	-3.62	3.76	1.78	-845.18	763.40
						150.0	-1132.05	-3.62	3.76	1.78	-563.26	492.19
11	103	183.40	-579.78	-7.98e-05	0.0	0.0	-1197.62	-5.37	4.43	-0.19	-1244.07	183.40
		-621.35	-1244.07	-2.74e-03	0.0	75.0	-1151.64	-5.37	4.43	-0.19	-911.92	-218.97
						150.0	-1105.66	-5.37	4.43	-0.19	-579.78	-621.35

11	105	1073.30	-569.12	8.51e-04	0.0	0.0	-1189.27	-3.38	4.33	1.96	-1219.23	1073.30
		566.90	-1219.23	-2.68e-03	0.0	75.0	-1143.28	-3.38	4.33	1.96	-894.18	820.10
						150.0	-1097.30	-3.38	4.33	1.96	-569.12	566.90
11	106	1943.48	-1068.38	1.59e-03	0.0	0.0	-1303.89	-5.01	10.15	3.61	-2591.31	1943.48
		1191.57	-2591.31	-5.57e-03	0.0	75.0	-1257.91	-5.01	10.15	3.61	-1829.85	1567.53
						150.0	-1211.93	-5.01	10.15	3.61	-1068.38	1191.57
12	3	1.667e+05	3.426e+04	0.03	0.0	0.0	-5511.04	-2364.22	-675.25	-1174.74	3.426e+04	1.667e+05
		-3.660e+04	-2.381e+04	0.01	0.0	43.0	-5476.76	-2364.22	-675.25	-1174.74	5224.49	6.506e+04
						86.0	-5442.49	-2364.22	-675.25	-1174.74	-2.381e+04	-3.660e+04
12	4	1.657e+05	3.430e+04	0.03	0.0	0.0	-5750.49	-2360.98	-676.77	-1175.91	3.430e+04	1.657e+05
		-3.737e+04	-2.390e+04	0.01	0.0	43.0	-5716.22	-2360.98	-676.77	-1175.91	5196.35	6.415e+04
						86.0	-5681.95	-2360.98	-676.77	-1175.91	-2.390e+04	-3.737e+04
12	19	1.560e+04	-1612.48	1.29e-03	0.0	0.0	-2124.41	-404.86	-5.30	-216.13	-1612.48	1.560e+04
		-1.922e+04	-2068.53	-1.55e-03	0.0	43.0	-2098.05	-404.86	-5.30	-216.13	-1840.50	-1809.82
						86.0	-2071.68	-404.86	-5.30	-216.13	-2068.53	-1.922e+04
12	24	-9.396e+04	2.100e+04	-0.04	0.0	0.0	-1101.84	-714.94	-349.53	-744.60	2.100e+04	-9.396e+04
		-1.576e+05	-9207.49	4.07e-03	0.0	43.0	-1075.48	-714.94	-349.53	-744.60	5895.27	-1.258e+05
						86.0	-1049.11	-714.94	-349.53	-744.60	-9207.49	-1.576e+05
12	25	2.106e+05	4616.73	0.06	0.0	0.0	-4420.96	-861.52	-117.78	-17.70	4616.73	2.106e+05
		1.387e+05	-5366.47	6.67e-03	0.0	43.0	-4394.60	-861.52	-117.78	-17.70	-374.87	-1.570e+05
						86.0	-4368.23	-861.52	-117.78	-17.70	-5366.47	1.387e+05
12	28	-9.334e+04	2.157e+04	-0.04	0.0	0.0	-1090.64	-716.36	-356.12	-715.92	2.157e+04	-9.334e+04
		-1.570e+05	-9191.82	4.41e-03	0.0	43.0	-1064.28	-716.36	-356.12	-715.92	6187.24	-1.252e+05
						86.0	-1037.92	-716.36	-356.12	-715.92	-9191.82	-1.570e+05
12	29	2.100e+05	4048.48	0.06	0.0	0.0	-4432.16	-860.11	-111.19	-46.38	4048.48	2.100e+05
		1.381e+05	-5382.15	6.34e-03	0.0	43.0	-4405.79	-860.11	-111.19	-46.38	-666.83	1.740e+05
						86.0	-4379.43	-860.11	-111.19	-46.38	-5382.15	1.381e+05
12	44	-4.541e+04	1.966e+04	-0.02	0.0	0.0	-1761.29	-725.97	-330.47	-1013.53	1.966e+04	-4.541e+04
		-1.109e+05	-1.011e+04	8.97e-03	0.0	43.0	-1734.92	-725.97	-330.47	-1013.53	4773.77	-7.813e+04
						86.0	-1708.56	-725.97	-330.47	-1013.53	-1.011e+04	-1.109e+05
12	54	1.280e+04	2.691e+04	-2.92e-03	0.0	0.0	-2314.55	-757.46	-428.33	-675.09	2.691e+04	1.280e+04
		-5.401e+04	-8835.51	0.01	0.0	43.0	-2288.18	-757.46	-428.33	-675.09	9039.13	-2.060e+04
						86.0	-2261.82	-757.46	-428.33	-675.09	-8835.51	-5.401e+04
12	56	-1.411e+04	1.674e+04	-0.01	0.0	0.0	-1967.26	-751.90	-289.05	-542.02	1.674e+04	-1.411e+04
		-7.989e+04	-8187.16	4.76e-03	0.0	43.0	-1940.89	-751.90	-289.05	-542.02	4275.72	-4.700e+04
						86.0	-1914.53	-751.90	-289.05	-542.02	-8187.16	-7.989e+04
12	57	1.308e+05	8876.18	0.03	0.0	0.0	-3555.54	-824.56	-178.26	-220.27	8876.18	1.308e+05
		6.099e+04	-6386.80	5.98e-03	0.0	43.0	-3529.18	-824.56	-178.26	-220.27	1244.69	9.589e+04
						86.0	-3502.82	-824.56	-178.26	-220.27	-6386.80	6.099e+04
12	60	-1.403e+04	1.704e+04	-0.01	0.0	0.0	-1961.25	-752.58	-292.69	-530.59	1.704e+04	-1.403e+04
		-7.979e+04	-8189.96	4.93e-03	0.0	43.0	-1934.88	-752.58	-292.69	-530.59	4425.58	-4.691e+04
						86.0	-1908.52	-752.58	-292.69	-530.59	-8189.96	-7.979e+04
12	61	1.307e+05	8573.65	0.03	0.0	0.0	-3561.55	-823.89	-174.62	-231.71	8573.65	1.307e+05
		6.089e+04	-6384.01	5.81e-03	0.0	43.0	-3535.19	-823.89	-174.62	-231.71	1094.82	9.580e+04
						86.0	-3508.83	-823.89	-174.62	-231.71	-6384.01	6.089e+04
12	84	1.110e+04	1.713e+04	-3.42e-03	0.0	0.0	-2272.55	-759.71	-292.23	-623.88	1.713e+04	1.110e+04
		-5.545e+04	-8614.83	7.70e-03	0.0	43.0	-2246.19	-759.71	-292.23	-623.88	4256.92	-2.217e+04
						86.0	-2219.83	-759.71	-292.23	-623.88	-8614.83	-5.545e+04
12	86	3.724e+04	1.971e+04	4.58e-03	0.0	0.0	-2551.32	-772.88	-328.70	-515.60	1.971e+04	3.724e+04
		-3.005e+04	-8035.73	9.05e-03	0.0	43.0	-2524.96	-772.88	-328.70	-515.60	5837.94	3595.96
						86.0	-2498.59	-772.88	-328.70	-515.60	-8035.73	-3.005e+04
12	89	1.147e+05	2.362e+04	0.02	0.0	0.0	-3942.25	-1625.04	-463.18	-806.23	2.362e+04	1.147e+05
		-2.502e+04	-1.622e+04	9.09e-03	0.0	43.0	-3915.89	-1625.04	-463.18	-806.23	3699.01	4.486e+04
						86.0	-3889.53	-1625.04	-463.18	-806.23	-1.622e+04	-2.502e+04
12	90	1.140e+05	2.364e+04	0.02	0.0	0.0	-4101.89	-1622.88	-464.19	-807.01	2.364e+04	1.140e+05
		-2.553e+04	-1.628e+04	9.08e-03	0.0	43.0	-4075.53	-1622.88	-464.19	-807.01	3680.25	4.425e+04
						86.0	-4049.16	-1622.88	-464.19	-807.01	-1.628e+04	-2.553e+04
12	94	2.156e+04	1309.23	2.94e-03	0.0	0.0	-2194.74	-420.64	-45.04	-215.44	1309.23	2.156e+04
		-1.462e+04	-2564.56	1.72e-04	0.0	43.0	-2168.38	-420.64	-45.04	-215.44	-627.66	3469.16
						86.0	-2142.02	-420.64	-45.04	-215.44	-2564.56	-1.462e+04
12	99	7.617e+04	1.683e+04	0.01	0.0	0.0	-3107.05	-1028.54	-311.54	-500.35	1.683e+04	7.617e+04
		-1.228e+04	-9960.66	6.95e-03	0.0	43.0	-3080.68	-1028.54	-311.54	-500.35	3435.55	3.194e+04
						86.0	-3054.32	-1028.54	-311.54	-500.35	-9960.66	-1.228e+04
12	103	2.958e+04	5678.50	5.37e-03	0.0	0.0	-2233.29	-426.34	-102.47	-204.96	5678.50	2.958e+04
		-7081.76	-3134.08	2.41e-03	0.0	43.0	-2206.93	-426.34	-102.47	-204.96	1272.21	1.125e+04
						86.0	-2180.57	-426.34	-102.47	-204.96	-3134.08	-7081.76
12	105	3.159e+04	6770.82	5.98e-03	0.0	0.0	-2242.93	-427.77	-116.83	-202.34	6770.82	3.159e+04
		-5197.65	-3276.46	3.01e-03	0.0	43.0	-2216.57	-427.77	-116.83	-202.34	1747.18	1.320e+04
						86.0	-2190.20	-427.77	-116.83	-202.34	-3276.46	-5197.65
12	106	5.834e+04	1.281e+04	0.01	0.0	0.0	-2761.40	-788.23	-233.66	-381.15	1.281e+04	5.834e+04
		-9448.93	-7286.98	5.37e-03	0.0	43.0	-2735.04	-788.23	-233.66	-381.15	2760.20	2.445e+04
						86.0	-2708.67	-788.23	-233.66	-381.15	-7286.98	-9448.93
13	3	8.715e+04	1.598e+04	-0.05	0.0	0.0	-6033.42	287.02	65.82	-18.56	-1.364e+04	-4.201e+04
		-4.201e+04	-1.364e+04	-0.09	0.0	225.0	-5854.09	287.02	65.82	-18.56	1173.15	2.257e+04
						450.0	-5674.76	287.02	65.82	-18.56	1.598e+04	8.715e+04
13	4	8.711e+04	1.548e+04	-0.05	0.0	0.0	-6406.86	287.48	64.03	-19.14	-1.333e+04	-4.225e+04
		-4.225e+04	-1.333e+04	-0.09	0.0	225.0	-6227.53	287.48	64.03	-19.14	1070.84	2.243e+04

						450.0	-6048.20	287.48	64.03	-19.14	1.548e+04	8.711e+04
13	5	2.606e+04	3640.40	-0.04	0.0	0.0	-2828.75	101.89	8.82	-26.42	-328.41	-1.980e+04
		-1.980e+04	-328.41	0.02	0.0	225.0	-2690.81	101.89	8.82	-26.42	1655.99	3130.37
						450.0	-2552.86	101.89	8.82	-26.42	3640.40	2.606e+04
13	18	7.303e+04	1.065e+04	-0.07	0.0	0.0	-5824.90	258.28	39.15	-39.41	-6970.12	-4.319e+04
		-4.319e+04	-6970.12	-0.03	0.0	225.0	-5645.57	258.28	39.15	-39.41	1838.34	1.492e+04
						450.0	-5466.24	258.28	39.15	-39.41	1.065e+04	7.303e+04
13	24	1.015e+05	9.224e+04	-0.80	0.0	0.0	-4345.36	639.41	-358.63	-122.35	9.224e+04	-1.891e+05
		-1.891e+05	-6.917e+04	0.93	0.0	225.0	-4207.41	639.41	-358.63	-122.35	1.153e+04	-4.380e+04
						450.0	-4069.47	639.41	-358.63	-122.35	-6.917e+04	1.015e+05
13	25	1.598e+05	8.578e+04	0.83	0.0	0.0	-2127.01	-413.82	426.48	126.39	-1.062e+05	1.598e+05
		-2.941e+04	-1.062e+05	-1.02	0.0	225.0	-1989.07	-413.82	426.48	126.39	-1.019e+04	6.517e+04
						450.0	-1851.12	-413.82	426.48	126.39	8.578e+04	-2.941e+04
13	44	1.021e+05	1.477e+05	-0.52	0.0	0.0	-4240.07	528.30	-578.05	-202.41	1.477e+05	-1.396e+05
		-1.396e+05	-1.125e+05	1.47	0.0	225.0	-4102.13	528.30	-578.05	-202.41	1.757e+04	-1.875e+04
						450.0	-3964.19	528.30	-578.05	-202.41	-1.125e+05	1.021e+05
13	45	1.102e+05	1.291e+05	0.56	0.0	0.0	-2232.29	-302.70	645.90	206.45	-1.616e+05	1.102e+05
		-2.996e+04	-1.616e+05	-1.56	0.0	225.0	-2094.35	-302.70	645.90	206.45	-1.622e+04	4.013e+04
						450.0	-1956.40	-302.70	645.90	206.45	1.291e+05	-2.996e+04
13	56	6.711e+04	3.747e+04	-0.37	0.0	0.0	-3755.08	362.43	-141.91	-52.73	3.747e+04	-9.752e+04
		-9.752e+04	-2.640e+04	0.39	0.0	225.0	-3617.14	362.43	-141.91	-52.73	5537.06	-1.521e+04
						450.0	-3479.20	362.43	-141.91	-52.73	-2.640e+04	6.711e+04
13	57	6.814e+04	4.301e+04	0.41	0.0	0.0	-2717.28	-136.83	209.76	56.77	-5.139e+04	6.814e+04
		5025.95	-5.139e+04	-0.48	0.0	225.0	-2579.34	-136.83	209.76	56.77	-4191.69	3.658e+04
						450.0	-2441.40	-136.83	209.76	56.77	4.301e+04	5025.95
13	77	4.223e+04	6.114e+04	0.27	0.0	0.0	-2790.87	-75.96	301.43	90.12	-7.453e+04	4.223e+04
		5990.13	-7.453e+04	-0.71	0.0	225.0	-2652.93	-75.96	301.43	90.12	-6694.88	2.411e+04
						450.0	-2514.98	-75.96	301.43	90.12	6.114e+04	5990.13
13	87	2.702e+04	4518.27	-0.03	0.0	0.0	-2874.01	98.67	14.00	-17.48	-1779.63	-1.738e+04
		-1.738e+04	-1779.63	7.69e-03	0.0	225.0	-2736.06	98.67	14.00	-17.48	1369.32	4822.79
						450.0	-2598.12	98.67	14.00	-17.48	4518.27	2.702e+04
13	89	6.058e+04	1.147e+04	-0.03	0.0	0.0	-4339.20	199.17	46.98	-12.29	-9673.64	-2.905e+04
		-2.905e+04	-9673.64	-0.06	0.0	225.0	-4201.26	199.17	46.98	-12.29	896.84	1.577e+04
						450.0	-4063.31	199.17	46.98	-12.29	1.147e+04	6.058e+04
13	90	6.056e+04	1.113e+04	-0.03	0.0	0.0	-4588.16	199.48	45.78	-12.67	-9472.29	-2.921e+04
		-2.921e+04	-9472.29	-0.06	0.0	225.0	-4450.21	199.48	45.78	-12.67	828.64	1.567e+04
						450.0	-4312.27	199.48	45.78	-12.67	1.113e+04	6.056e+04
13	97	5.117e+04	7909.68	-0.05	0.0	0.0	-4200.19	180.01	29.20	-26.19	-5229.07	-2.983e+04
		-2.983e+04	-5229.07	-0.03	0.0	225.0	-4062.24	180.01	29.20	-26.19	1340.31	1.067e+04
						450.0	-3924.30	180.01	29.20	-26.19	7909.68	5.117e+04
13	98	2.600e+04	6221.03	-0.01	0.0	0.0	-2796.62	82.65	24.03	0.46	-4592.17	-1.119e+04
		-1.119e+04	-4592.17	-0.03	0.0	225.0	-2658.68	82.65	24.03	0.46	814.43	7405.09
						450.0	-2520.74	82.65	24.03	0.46	6221.03	2.600e+04
13	99	4.278e+04	9695.56	0.02	0.0	0.0	-3529.22	132.90	40.52	3.06	-8539.17	-1.702e+04
		-1.702e+04	-8539.17	-0.06	0.0	225.0	-3391.28	132.90	40.52	3.06	578.19	1.288e+04
						450.0	-3253.33	132.90	40.52	3.06	9695.56	4.278e+04
13	105	2.600e+04	6221.03	-0.01	0.0	0.0	-2796.62	82.65	24.03	0.46	-4592.17	-1.119e+04
		-1.119e+04	-4592.17	-0.03	0.0	225.0	-2658.68	82.65	24.03	0.46	814.43	7405.09
						450.0	-2520.74	82.65	24.03	0.46	6221.03	2.600e+04
13	106	3.607e+04	8305.74	0.02	0.0	0.0	-3236.18	112.80	33.92	2.02	-6960.37	-1.469e+04
		-1.469e+04	-6960.37	-0.05	0.0	225.0	-3098.24	112.80	33.92	2.02	672.69	1.069e+04
						450.0	-2960.30	112.80	33.92	2.02	8305.74	3.607e+04
15	3	-2325.29	1.545e+04	5.15e-03	0.0	0.0	-2968.86	5.11	91.28	-75.94	-1.777e+04	-4183.92
		-4183.92	-1.777e+04	-0.09	0.0	182.0	-2823.81	5.11	91.28	-75.94	-1158.94	-3254.61
						364.0	-2678.75	5.11	91.28	-75.94	1.545e+04	-2325.29
15	5	4197.97	6967.34	-0.02	0.0	0.0	-1877.34	29.18	37.24	-23.03	-6587.09	-6423.16
		-6423.16	-6587.09	-0.04	0.0	182.0	-1765.76	29.18	37.24	-23.03	190.12	-1112.59
						364.0	-1654.18	29.18	37.24	-23.03	6967.34	4197.97
15	17	3397.44	1.609e+04	-0.02	0.0	0.0	-3225.58	35.42	91.82	-69.47	-1.734e+04	-9494.86
		-9494.86	-1.734e+04	-0.10	0.0	182.0	-3080.52	35.42	91.82	-69.47	-624.93	-3048.71
						364.0	-2935.46	35.42	91.82	-69.47	1.609e+04	3397.44
15	18	3664.25	1.592e+04	-0.02	0.0	0.0	-3319.24	37.20	91.21	-69.49	-1.728e+04	-9875.86
		-9875.86	-1.728e+04	-0.10	0.0	182.0	-3174.18	37.20	91.21	-69.49	-679.21	-3105.80
						364.0	-3029.13	37.20	91.21	-69.49	1.592e+04	3664.25
15	20	8463.91	9712.59	-0.04	0.0	0.0	-2433.28	54.96	51.85	-31.22	-9159.84	-1.154e+04
		-1.154e+04	-9159.84	-0.07	0.0	182.0	-2321.70	54.96	51.85	-31.22	276.37	-1539.40
						364.0	-2210.12	54.96	51.85	-31.22	9712.59	8463.91
15	27	1.604e+05	1.029e+04	-0.85	0.0	0.0	546.19	1055.20	56.61	-89.61	-1.032e+04	-2.238e+05
		-2.238e+05	-1.032e+04	-0.07	0.0	182.0	657.77	1055.20	56.61	-89.61	-18.41	-3.169e+04
						364.0	769.35	1055.20	56.61	-89.61	1.029e+04	1.604e+05
15	28	1.206e+05	4932.73	-0.64	0.0	0.0	1914.97	794.35	28.66	-208.68	-5500.82	-1.687e+05
		-1.687e+05	-5500.82	-0.03	0.0	182.0	2026.55	794.35	28.66	-208.68	-284.05	-2.406e+04
						364.0	2138.13	794.35	28.66	-208.68	4932.73	1.206e+05
15	29	1.709e+05	3405.53	0.66	0.0	0.0	-4601.36	-817.29	20.41	166.88	-4023.73	1.709e+05
		-1.267e+05	-4023.73	-9.35e-03	0.0	182.0	-4489.78	-817.29	20.41	166.88	-309.10	2.213e+04
						364.0	-4378.20	-817.29	20.41	166.88	3405.53	-1.267e+05
15	30	2.261e+05	798.75	0.87	0.0	0.0	-3232.58	-1078.14	-7.54	47.81	798.75	2.261e+05

		-1.665e+05	-1948.23	0.03	0.0	182.0	-3121.00	-1078.14	-7.54	47.81	-574.74	2.976e+04
						364.0	-3009.42	-1078.14	-7.54	47.81	-1948.23	-1.665e+05
15	51	9.256e+04	1.492e+04	-0.49	0.0	0.0	-3041.96	612.74	80.68	112.21	-1.445e+04	-1.305e+05
		-1.305e+05	-1.445e+04	-0.10	0.0	182.0	-2930.38	612.74	80.68	112.21	235.34	-1.899e+04
						364.0	-2818.80	612.74	80.68	112.21	1.492e+04	9.256e+04
15	59	7.576e+04	7149.71	-0.41	0.0	0.0	-437.86	502.51	40.17	-52.97	-7471.80	-1.072e+05
		-1.072e+05	-7471.80	-0.04	0.0	182.0	-326.28	502.51	40.17	-52.97	-161.05	-1.573e+04
						364.0	-214.70	502.51	40.17	-52.97	7149.71	7.576e+04
15	60	5.658e+04	4503.25	-0.30	0.0	0.0	230.51	376.94	26.35	-106.02	-5088.67	-8.070e+04
		-8.070e+04	-5088.67	-0.02	0.0	182.0	342.09	376.94	26.35	-106.02	-292.71	-1.206e+04
						364.0	453.68	376.94	26.35	-106.02	4503.25	5.658e+04
15	61	8.294e+04	3835.01	0.32	0.0	0.0	-2916.91	-399.87	22.72	64.22	-4435.88	8.294e+04
		-6.268e+04	-4435.88	-0.01	0.0	182.0	-2805.32	-399.87	22.72	64.22	-300.43	1.013e+04
						364.0	-2693.74	-399.87	22.72	64.22	3835.01	-6.268e+04
15	62	1.095e+05	1188.55	0.42	0.0	0.0	-2248.53	-525.44	8.91	11.16	-2052.75	1.095e+05
		-8.187e+04	-2052.75	6.95e-03	0.0	182.0	-2136.95	-525.44	8.91	11.16	-432.10	1.380e+04
						364.0	-2025.37	-525.44	8.91	11.16	1188.55	-8.187e+04
15	83	4.297e+04	9463.13	-0.23	0.0	0.0	-2176.25	288.93	52.18	38.05	-9530.47	-6.224e+04
		-6.224e+04	-9530.47	-0.06	0.0	182.0	-2064.67	288.93	52.18	38.05	-33.67	-9633.26
						364.0	-1953.09	288.93	52.18	38.05	9463.13	4.297e+04
15	87	2095.07	5560.62	-0.01	0.0	0.0	-1668.43	16.74	29.97	-19.31	-5348.06	-3999.18
		-3999.18	-5348.06	-0.03	0.0	182.0	-1556.85	16.74	29.97	-19.31	106.28	-952.05
						364.0	-1445.27	16.74	29.97	-19.31	5560.62	2095.07
15	89	-1735.18	1.062e+04	3.77e-03	0.0	0.0	-2125.24	2.73	62.59	-51.86	-1.216e+04	-2727.17
		-2727.17	-1.216e+04	-0.06	0.0	182.0	-2013.66	2.73	62.59	-51.86	-768.14	-2231.18
						364.0	-1902.08	2.73	62.59	-51.86	1.062e+04	-1735.18
15	95	4939.03	7390.78	-0.02	0.0	0.0	-2039.06	33.93	39.71	-24.78	-7063.23	-7412.21
		-7412.21	-7063.23	-0.05	0.0	182.0	-1927.48	33.93	39.71	-24.78	163.78	-1236.59
						364.0	-1815.89	33.93	39.71	-24.78	7390.78	4939.03
15	96	2079.98	1.104e+04	-0.01	0.0	0.0	-2296.39	22.93	62.95	-47.55	-1.187e+04	-6267.80
		-6267.80	-1.187e+04	-0.07	0.0	182.0	-2184.80	22.93	62.95	-47.55	-412.13	-2093.91
						364.0	-2073.22	22.93	62.95	-47.55	1.104e+04	2079.98
15	97	2257.85	1.093e+04	-0.01	0.0	0.0	-2358.83	24.12	62.54	-47.56	-1.183e+04	-6521.80
		-6521.80	-1.183e+04	-0.07	0.0	182.0	-2247.25	24.12	62.54	-47.56	-448.32	-2131.97
						364.0	-2135.66	24.12	62.54	-47.56	1.093e+04	2257.85
15	98	739.35	2650.32	5.24e-03	0.0	0.0	-1206.15	-7.26	14.75	-11.14	-2718.81	739.35
		-1904.05	-2718.81	-0.01	0.0	182.0	-1094.57	-7.26	14.75	-11.14	-34.25	-582.35
						364.0	-982.99	-7.26	14.75	-11.14	2650.32	-1904.05
15	99	1375.36	5181.67	0.01	0.0	0.0	-1434.56	-14.27	31.06	-27.41	-6124.59	1375.36
		-3819.17	-6124.59	-0.02	0.0	182.0	-1322.98	-14.27	31.06	-27.41	-471.46	-1221.91
						364.0	-1211.40	-14.27	31.06	-27.41	5181.67	-3819.17
15	104	-458.56	5139.23	3.87e-03	0.0	0.0	-1497.29	-3.47	29.61	-23.63	-5638.69	-458.56
		-1720.08	-5638.69	-0.03	0.0	182.0	-1385.71	-3.47	29.61	-23.63	-249.73	-1089.32
						364.0	-1274.13	-3.47	29.61	-23.63	5139.23	-1720.08
15	105	739.35	2650.32	5.24e-03	0.0	0.0	-1206.15	-7.26	14.75	-11.14	-2718.81	739.35
		-1904.05	-2718.81	-0.01	0.0	182.0	-1094.57	-7.26	14.75	-11.14	-34.25	-582.35
						364.0	-982.99	-7.26	14.75	-11.14	2650.32	-1904.05
15	106	1120.95	4169.13	9.19e-03	0.0	0.0	-1343.20	-11.47	24.54	-20.90	-4762.28	1120.95
		-3053.12	-4762.28	-0.02	0.0	182.0	-1231.61	-11.47	24.54	-20.90	-296.57	-966.08
						364.0	-1120.03	-11.47	24.54	-20.90	4169.13	-3053.12
23	3	4.759e+04	9419.57	0.06	0.0	0.0	-4886.35	-316.71	42.85	1.82	-9863.46	4.759e+04
		-9.493e+04	-9863.46	-0.08	0.0	225.0	-4707.02	-316.71	42.85	1.82	-221.95	-2.367e+04
						450.0	-4527.69	-316.71	42.85	1.82	9419.57	-9.493e+04
23	4	4.661e+04	8686.38	0.06	0.0	0.0	-5021.64	-310.87	40.38	1.60	-9484.26	4.661e+04
		-9.328e+04	-9484.26	-0.08	0.0	225.0	-4842.31	-310.87	40.38	1.60	-398.94	-2.334e+04
						450.0	-4662.98	-310.87	40.38	1.60	8686.38	-9.328e+04
23	19	1.416e+04	996.57	0.02	0.0	0.0	-2148.45	-91.13	5.55	-20.32	-1502.56	1.416e+04
		-2.685e+04	-1502.56	-0.02	0.0	225.0	-2010.50	-91.13	5.55	-20.32	-253.00	-6.345e+04
						450.0	-1872.56	-91.13	5.55	-20.32	996.57	-2.685e+04
23	23	1.377e+05	9234.96	-1.09	0.0	0.0	-2772.66	886.80	-36.86	-35.00	9234.96	-2.616e+05
		-2.616e+05	-7350.44	0.09	0.0	225.0	-2634.72	886.80	-36.86	-35.00	942.26	-6.193e+04
						450.0	-2496.78	886.80	-36.86	-35.00	-7350.44	1.377e+05
23	26	3.007e+05	1.253e+04	1.09	0.0	0.0	-2471.93	-1147.20	61.63	44.74	-1.520e+04	3.007e+05
		-2.158e+05	-1.520e+04	-0.14	0.0	225.0	-2333.99	-1147.20	61.63	44.74	-1332.44	4.244e+04
						450.0	-2196.05	-1147.20	61.63	44.74	1.253e+04	-2.158e+05
23	44	1.142e+05	6.661e+04	0.36	0.0	0.0	-4375.20	-481.04	-268.08	-238.39	6.661e+04	1.142e+05
		-1.025e+05	-5.403e+04	0.64	0.0	225.0	-4237.26	-481.04	-268.08	-238.39	6288.82	5812.93
						450.0	-4099.31	-481.04	-268.08	-238.39	-5.403e+04	-1.025e+05
23	45	2.446e+04	5.922e+04	-0.36	0.0	0.0	-869.40	220.63	292.85	248.12	-7.258e+04	-7.506e+04
		-7.506e+04	-7.258e+04	-0.69	0.0	225.0	-731.45	220.63	292.85	248.12	-6679.00	-2.530e+04
						450.0	-593.51	220.63	292.85	248.12	5.922e+04	2.446e+04
23	58	1.537e+05	7478.16	0.52	0.0	0.0	-2555.36	-615.42	36.58	24.42	-8983.87	1.537e+05
		-1.234e+05	-8983.87	-0.08	0.0	225.0	-2417.41	-615.42	36.58	24.42	-752.86	1.518e+04
						450.0	-2279.47	-615.42	36.58	24.42	7478.16	-1.234e+05
23	76	6.142e+04	2.756e+04	0.16	0.0	0.0	-3389.17	-285.18	-110.71	-101.20	2.756e+04	6.142e+04
		-6.704e+04	-2.227e+04	0.26	0.0	225.0	-3251.22	-285.18	-110.71	-101.20	2646.20	-2813.79
						450.0	-3113.28	-285.18	-110.71	-101.20	-2.227e+04	-6.704e+04

23	77	-1.104e+04	2.745e+04	-0.16	0.0	0.0	-1855.43	24.78	135.48	110.93	-3.352e+04	-2.231e+04
		-2.231e+04	-3.352e+04	-0.32	0.0	225.0	-1717.49	24.78	135.48	110.93	-3036.37	-1.667e+04
						450.0	-1579.55	24.78	135.48	110.93	2.745e+04	-1.104e+04
23	89	3.306e+04	6379.70	0.04	0.0	0.0	-3513.89	-220.08	29.13	1.52	-6730.17	3.306e+04
		-6.598e+04	-6730.17	-0.06	0.0	225.0	-3375.95	-220.08	29.13	1.52	-175.24	-1.646e+04
						450.0	-3238.00	-220.08	29.13	1.52	6379.70	-6.598e+04
23	90	3.240e+04	5890.90	0.04	0.0	0.0	-3604.09	-216.19	27.49	1.38	-6477.37	3.240e+04
		-6.488e+04	-6477.37	-0.06	0.0	225.0	-3466.14	-216.19	27.49	1.38	-293.23	-1.624e+04
						450.0	-3328.20	-216.19	27.49	1.38	5890.90	-6.488e+04
23	94	1.461e+04	1021.35	0.02	0.0	0.0	-2219.41	-94.90	5.61	-12.73	-1501.08	1.461e+04
		-2.810e+04	-1501.08	-0.02	0.0	225.0	-2081.47	-94.90	5.61	-12.73	-239.87	-6743.50
						450.0	-1943.52	-94.90	5.61	-12.73	1021.35	-2.810e+04
23	99	2.330e+04	3666.80	0.03	0.0	0.0	-2879.87	-155.44	17.12	6.51	-4035.74	2.330e+04
		-4.665e+04	-4035.74	-0.04	0.0	225.0	-2741.93	-155.44	17.12	6.51	-184.47	-1.168e+04
						450.0	-2603.99	-155.44	17.12	6.51	3666.80	-4.665e+04
23	103	1.407e+04	987.63	0.02	0.0	0.0	-2232.63	-92.85	5.35	-0.62	-1421.20	1.407e+04
		-2.771e+04	-1421.20	-0.01	0.0	225.0	-2094.69	-92.85	5.35	-0.62	-216.79	-6821.01
						450.0	-1956.74	-92.85	5.35	-0.62	987.63	-2.771e+04
23	105	1.394e+04	979.19	0.02	0.0	0.0	-2235.94	-92.34	5.29	2.41	-1401.23	1.394e+04
		-2.762e+04	-1401.23	-0.01	0.0	225.0	-2097.99	-92.34	5.29	2.41	-211.02	-6840.39
						450.0	-1960.05	-92.34	5.29	2.41	979.19	-2.762e+04
23	106	1.955e+04	2591.76	0.02	0.0	0.0	-2622.30	-130.20	12.39	4.87	-2981.94	1.955e+04
		-3.904e+04	-2981.94	-0.03	0.0	225.0	-2484.36	-130.20	12.39	4.87	-195.09	-9743.82
						450.0	-2346.41	-130.20	12.39	4.87	2591.76	-3.904e+04
52	3	1207.14	410.32	-1.77e-03	0.0	0.0	-309.04	-24.51	-2.99	24.11	410.32	1207.14
		-2142.16	2.35	-8.59e-03	0.0	68.3	-285.33	-24.51	-2.99	24.11	206.34	-467.51
						136.7	-261.62	-24.51	-2.99	24.11	2.35	-2142.16
52	7	856.34	386.42	-2.71e-03	0.0	0.0	-216.44	-14.53	-2.83	19.32	386.42	856.34
		-1129.57	0.08	-5.83e-03	0.0	68.3	-198.20	-14.53	-2.83	19.32	193.25	-136.62
						136.7	-179.96	-14.53	-2.83	19.32	0.08	-1129.57
52	9	1765.32	18.00	1.25e-03	0.0	0.0	-646.73	-40.20	0.48	32.09	-47.14	1765.32
		-3729.32	-47.14	-0.02	0.0	68.3	-623.02	-40.20	0.48	32.09	-14.57	-982.00
						136.7	-599.31	-40.20	0.48	32.09	18.00	-3729.32
52	11	1952.22	143.36	1.74e-03	0.0	0.0	-592.48	-45.62	-0.95	34.43	143.36	1952.22
		-4283.15	14.12	-0.02	0.0	68.3	-568.77	-45.62	-0.95	34.43	78.74	-1165.46
						136.7	-545.06	-45.62	-0.95	34.43	14.12	-4283.15
52	12	1414.51	15.73	-1.26e-03	0.0	0.0	-554.12	-30.23	0.63	27.30	-71.04	1414.51
		-2716.73	-71.04	-0.02	0.0	68.3	-535.88	-30.23	0.63	27.30	-27.65	-651.11
						136.7	-517.64	-30.23	0.63	27.30	15.73	-2716.73
52	27	6.666e+04	1929.24	-0.23	0.0	0.0	-815.37	535.43	-14.17	10.60	1929.24	-6519.52
		-6519.52	-10.05	-6.91e-03	0.0	68.3	-797.13	535.43	-14.17	10.60	959.60	3.007e+04
						136.7	-778.89	535.43	-14.17	10.60	-10.05	6.666e+04
52	30	8504.88	19.68	0.23	0.0	0.0	321.61	-591.58	12.31	17.56	-1665.67	8504.88
		-7.235e+04	-1665.67	-6.91e-03	0.0	68.3	339.85	-591.58	12.31	17.56	-823.00	-3.192e+04
						136.7	358.09	-591.58	12.31	17.56	19.68	-7.235e+04
52	51	3.731e+04	2141.64	-0.13	0.0	0.0	-579.57	296.65	-15.72	58.28	2141.64	-3240.15
		-3240.15	-14.08	-0.01	0.0	68.3	-561.33	296.65	-15.72	58.28	1063.78	1.704e+04
						136.7	-543.09	296.65	-15.72	58.28	-14.08	3.731e+04
52	54	5225.51	23.71	0.14	0.0	0.0	85.81	-352.80	13.86	-30.12	-1878.06	5225.51
		-4.300e+04	-1878.06	2.97e-03	0.0	68.3	104.05	-352.80	13.86	-30.12	-927.18	-1.889e+04
						136.7	122.28	-352.80	13.86	-30.12	23.71	-4.300e+04
52	59	3.067e+04	986.34	-0.11	0.0	0.0	-521.18	243.62	-7.23	12.66	986.34	-2631.78
		-2631.78	-2.48	-6.64e-03	0.0	68.3	-502.94	243.62	-7.23	12.66	491.93	1.402e+04
						136.7	-484.70	243.62	-7.23	12.66	-2.48	3.067e+04
52	62	4617.14	12.11	0.11	0.0	0.0	27.42	-299.77	5.37	15.50	-722.76	4617.14
		-3.635e+04	-722.76	-6.68e-03	0.0	68.3	45.66	-299.77	5.37	15.50	-355.33	-1.587e+04
						136.7	63.89	-299.77	5.37	15.50	12.11	-3.635e+04
52	83	1.650e+04	1072.97	-0.06	0.0	0.0	-407.30	128.34	-7.86	35.05	1072.97	-1047.37
		-1047.37	-4.65	-8.65e-03	0.0	68.3	-389.06	128.34	-7.86	35.05	534.16	7725.61
						136.7	-370.82	128.34	-7.86	35.05	-4.65	1.650e+04
52	86	3032.72	14.28	0.07	0.0	0.0	-86.46	-184.49	6.00	-6.89	-809.40	3032.72
		-2.219e+04	-809.40	-4.67e-03	0.0	68.3	-68.23	-184.49	6.00	-6.89	-397.56	-9577.17
						136.7	-49.99	-184.49	6.00	-6.89	14.28	-2.219e+04
52	89	906.99	283.63	-9.24e-04	0.0	0.0	-236.38	-19.20	-2.06	17.60	283.63	906.99
		-1717.31	2.20	-6.47e-03	0.0	68.3	-218.14	-19.20	-2.06	17.60	142.91	-405.16
						136.7	-199.90	-19.20	-2.06	17.60	2.20	-1717.31
52	91	1279.11	12.63	1.13e-03	0.0	0.0	-461.50	-29.67	0.25	22.92	-21.34	1279.11
		-2775.42	-21.34	-0.01	0.0	68.3	-443.27	-29.67	0.25	22.92	-4.36	-748.15
						136.7	-425.03	-29.67	0.25	22.92	12.63	-2775.42
52	93	1403.71	105.66	1.46e-03	0.0	0.0	-425.34	-33.28	-0.70	24.49	105.66	1403.71
		-3144.64	10.04	-0.01	0.0	68.3	-407.10	-33.28	-0.70	24.49	57.85	-870.46
						136.7	-388.86	-33.28	-0.70	24.49	10.04	-3144.64
52	99	1028.28	168.07	3.21e-03	0.0	0.0	-236.55	-29.11	-1.20	14.53	168.07	1028.28
		-2949.73	4.08	-6.34e-03	0.0	68.3	-218.31	-29.11	-1.20	14.53	86.07	-960.73
						136.7	-200.07	-29.11	-1.20	14.53	4.08	-2949.73
52	100	1049.30	52.65	3.29e-03	0.0	0.0	-297.07	-29.65	-0.33	14.92	52.65	1049.30
		-3003.12	7.27	-8.48e-03	0.0	68.3	-278.83	-29.65	-0.33	14.92	29.96	-976.91

						136.7	-260.59	-29.65	-0.33	14.92	7.27	-3003.12
52	102	1102.70	107.08	3.44e-03	0.0	0.0	-281.57	-31.20	-0.74	15.59	107.08	1102.70
		-3161.35	6.16	-7.99e-03	0.0	68.3	-263.33	-31.20	-0.74	15.59	56.62	-1029.33
						136.7	-245.10	-31.20	-0.74	15.59	6.16	-3161.35
52	105	939.28	77.36	2.96e-03	0.0	0.0	-262.38	-26.53	-0.52	13.41	77.36	939.28
		-2686.00	5.92	-7.15e-03	0.0	68.3	-244.14	-26.53	-0.52	13.41	41.64	-873.36
						136.7	-225.90	-26.53	-0.52	13.41	5.92	-2686.00
52	106	992.68	131.79	3.11e-03	0.0	0.0	-246.88	-28.07	-0.93	14.08	131.79	992.68
		-2844.24	4.82	-6.66e-03	0.0	68.3	-228.64	-28.07	-0.93	14.08	68.30	-925.78
						136.7	-210.40	-28.07	-0.93	14.08	4.82	-2844.24
55	3	266.27	3522.36	7.59e-03	0.0	0.0	-326.33	-13.99	-14.95	14.49	3522.36	266.27
		-5471.67	-2608.76	-0.03	0.0	205.0	-162.95	-13.99	-14.95	14.49	456.80	-2602.70
						410.0	0.44	-13.99	-14.95	14.49	-2608.76	-5471.67
55	4	104.82	3708.02	6.02e-03	0.0	0.0	-334.06	-12.56	-17.11	20.91	3708.02	104.82
		-5043.41	-3305.65	-0.03	0.0	205.0	-170.67	-12.56	-17.11	20.91	201.18	-2469.29
						410.0	-7.29	-12.56	-17.11	20.91	-3305.65	-5043.41
55	11	794.85	3682.83	2.66e-03	0.0	0.0	-326.62	-11.63	-18.56	25.93	3682.83	794.85
		-3975.23	-3927.90	-0.03	0.0	205.0	-163.23	-11.63	-18.56	25.93	-122.54	-1590.19
						410.0	0.16	-11.63	-18.56	25.93	-3927.90	-3975.23
55	15	3572.63	2939.38	4.16e-03	0.0	0.0	-167.18	-18.24	-12.53	3.55	2939.38	3572.63
		-3906.07	-2195.91	-0.04	0.0	205.0	-3.79	-18.24	-12.53	3.55	371.73	-166.72
						410.0	159.59	-18.24	-12.53	3.55	-2195.91	-3906.07
55	19	3185.60	2312.13	4.04e-03	0.0	0.0	-67.30	-15.71	-9.34	-1.65	2312.13	3185.60
		-3255.13	-1518.85	-0.03	0.0	205.0	58.38	-15.71	-9.34	-1.65	396.64	-34.76
						410.0	184.06	-15.71	-9.34	-1.65	-1518.85	-3255.13
55	27	8.149e+04	1670.18	-1.00	0.0	0.0	592.48	319.36	-7.02	-30.05	1670.18	-3.460e+04
		-3.460e+04	-735.61	-0.04	0.0	205.0	718.16	319.36	-7.02	-30.05	467.28	2.345e+04
						410.0	843.84	319.36	-7.02	-30.05	-735.61	8.149e+04
55	30	3.730e+04	2656.44	1.00	0.0	0.0	-1288.71	-337.21	-13.39	61.05	2656.44	3.730e+04
		-8.610e+04	-3307.52	0.03	0.0	205.0	-1163.02	-337.21	-13.39	61.05	-325.54	-2.440e+04
						410.0	-1037.34	-337.21	-13.39	61.05	-3307.52	-8.610e+04
55	41	4.358e+04	3096.44	-0.20	0.0	0.0	-153.81	60.17	-14.64	191.16	3096.44	4.358e+04
		1.552e+04	-1581.24	-0.03	0.0	205.0	-28.13	60.17	-14.64	191.16	757.60	2.955e+04
						410.0	97.55	60.17	-14.64	191.16	-1581.24	1.552e+04
55	57	2.750e+04	2594.56	0.35	0.0	0.0	-666.84	-122.38	-12.65	74.00	2594.56	2.750e+04
		-3.139e+04	-2405.47	-2.27e-03	0.0	205.0	-541.16	-122.38	-12.65	74.00	94.55	-1944.09
						410.0	-415.48	-122.38	-12.65	74.00	-2405.47	-3.139e+04
55	59	3.805e+04	1927.26	-0.48	0.0	0.0	105.80	150.07	-8.67	-6.09	1927.26	-1.621e+04
		-1.621e+04	-1403.74	-0.02	0.0	205.0	231.49	150.07	-8.67	-6.09	261.76	1.092e+04
						410.0	357.17	150.07	-8.67	-6.09	-1403.74	3.805e+04
55	62	1.892e+04	2399.35	0.48	0.0	0.0	-802.04	-167.92	-11.74	37.09	2399.35	1.892e+04
		-4.267e+04	-2639.40	0.01	0.0	205.0	-676.35	-167.92	-11.74	37.09	-120.02	-1.187e+04
						410.0	-550.67	-167.92	-11.74	37.09	-2639.40	-4.267e+04
55	89	496.68	2611.13	4.83e-03	0.0	0.0	-263.13	-10.65	-11.18	11.33	2611.13	496.68
		-3869.45	-1973.58	-0.02	0.0	205.0	-137.45	-10.65	-11.18	11.33	318.78	-1686.38
						410.0	-11.77	-10.65	-11.18	11.33	-1973.58	-3869.45
55	90	389.05	2734.90	3.78e-03	0.0	0.0	-268.28	-9.69	-12.62	15.61	2734.90	389.05
		-3583.94	-2438.17	-0.02	0.0	205.0	-142.60	-9.69	-12.62	15.61	148.37	-1597.45
						410.0	-16.92	-9.69	-12.62	15.61	-2438.17	-3583.94
55	93	849.07	2718.11	1.55e-03	0.0	0.0	-263.32	-9.08	-13.59	18.96	2718.11	849.07
		-2871.82	-2853.00	-0.02	0.0	205.0	-137.64	-9.08	-13.59	18.96	-67.45	-1011.38
						410.0	-11.95	-9.08	-13.59	18.96	-2853.00	-2871.82
55	94	2700.93	2222.48	2.53e-03	0.0	0.0	-157.03	-13.48	-9.56	4.03	2222.48	2700.93
		-2825.72	-1698.35	-0.02	0.0	205.0	-31.35	-13.48	-9.56	4.03	262.07	-62.40
						410.0	94.34	-13.48	-9.56	4.03	-1698.35	-2825.72
55	99	974.68	2257.02	1.34e-03	0.0	0.0	-354.86	-8.70	-10.52	16.12	2257.02	974.68
		-2590.96	-2054.74	-6.55e-03	0.0	205.0	-229.18	-8.70	-10.52	16.12	101.14	-808.14
						410.0	-103.49	-8.70	-10.52	16.12	-2054.74	-2590.96
55	102	1310.06	2212.82	-1.34e-03	0.0	0.0	-350.18	-8.54	-10.78	17.21	2212.82	1310.06
		-2192.35	-2207.41	-6.23e-03	0.0	205.0	-224.49	-8.54	-10.78	17.21	2.71	-441.15
						410.0	-98.81	-8.54	-10.78	17.21	-2207.41	-2192.35
55	103	2076.80	2062.69	-6.63e-04	0.0	0.0	-301.81	-10.11	-9.71	12.47	2062.69	2076.80
		-2069.10	-1917.12	-8.81e-03	0.0	205.0	-176.12	-10.11	-9.71	12.47	72.78	3.85
						410.0	-50.44	-10.11	-9.71	12.47	-1917.12	-2069.10
55	105	1920.77	2022.75	-1.39e-03	0.0	0.0	-338.00	-9.27	-9.74	14.58	2022.75	1920.77
		-1879.94	-1971.82	-4.82e-03	0.0	205.0	-212.32	-9.27	-9.74	14.58	25.46	20.41
						410.0	-86.64	-9.27	-9.74	14.58	-1971.82	-1879.94
55	106	1353.11	2163.31	-7.79e-04	0.0	0.0	-348.12	-8.93	-10.21	15.50	2163.31	1353.11
		-2306.56	-2021.57	-5.86e-03	0.0	205.0	-222.43	-8.93	-10.21	15.50	70.87	-476.72
						410.0	-96.75	-8.93	-10.21	15.50	-2021.57	-2306.56
56	4	9.827e+04	1.476e+04	-0.06	0.0	0.0	-705.40	-341.12	74.40	8.26	-1.574e+04	9.827e+04
		-4.159e+04	-1.574e+04	-0.13	0.0	205.0	-542.01	-341.12	74.40	8.26	-493.18	2.834e+04
						410.0	-378.62	-341.12	74.40	8.26	1.476e+04	-4.159e+04
56	7	8.353e+04	1.006e+04	-0.05	0.0	0.0	-368.53	-269.96	50.30	0.11	-1.057e+04	8.353e+04
		-2.715e+04	-1.057e+04	-0.08	0.0	205.0	-242.85	-269.96	50.30	0.11	-253.08	2.819e+04
						410.0	-117.17	-269.96	50.30	0.11	1.006e+04	-2.715e+04
56	9	4.744e+04	1.338e+04	-0.02	0.0	0.0	-1016.15	-213.09	68.56	9.31	-1.473e+04	4.744e+04

		-3.993e+04	-1.473e+04	-0.14	0.0	205.0	-852.76	-213.09	68.56	9.31	-676.96	3755.01
						410.0	-689.37	-213.09	68.56	9.31	1.338e+04	-3.993e+04
56	11	8.456e+04	1.595e+04	-0.04	0.0	0.0	-913.91	-319.25	80.90	11.73	-1.722e+04	8.456e+04
		-4.633e+04	-1.722e+04	-0.15	0.0	205.0	-750.53	-319.25	80.90	11.73	-633.53	1.912e+04
						410.0	-587.14	-319.25	80.90	11.73	1.595e+04	-4.633e+04
56	30	1.529e+05	1.389e+04	1.00	0.0	0.0	-464.66	-738.69	67.60	41.19	-1.382e+04	1.529e+05
		-1.506e+05	-1.382e+04	-0.17	0.0	205.0	-338.97	-738.69	67.60	41.19	35.01	1139.90
						410.0	-213.29	-738.69	67.60	41.19	1.389e+04	-1.506e+05
56	45	1.789e+04	4.017e+04	-0.28	0.0	0.0	-100.98	19.23	192.97	199.84	-3.896e+04	8968.33
		8968.33	-3.896e+04	-0.54	0.0	205.0	24.70	19.23	192.97	199.84	606.70	1.343e+04
						410.0	150.39	19.23	192.97	199.84	4.017e+04	1.789e+04
56	52	7.734e+04	2.284e+04	0.29	0.0	0.0	-901.65	-330.28	-114.56	-156.27	2.284e+04	7.734e+04
		-5.869e+04	-2.417e+04	0.36	0.0	205.0	-775.97	-330.28	-114.56	-156.27	-667.69	9326.38
						410.0	-650.29	-330.28	-114.56	-156.27	-2.417e+04	-5.869e+04
56	53	1.888e+04	3.849e+04	-0.29	0.0	0.0	-93.52	28.74	187.39	178.23	-3.838e+04	6477.51
		6477.51	-3.838e+04	-0.49	0.0	205.0	32.16	28.74	187.39	178.23	56.88	1.268e+04
						410.0	157.84	28.74	187.39	178.23	3.849e+04	1.888e+04
56	62	9.558e+04	1.031e+04	0.48	0.0	0.0	-484.64	-434.44	51.00	24.42	-1.060e+04	9.558e+04
		-8.284e+04	-1.060e+04	-0.11	0.0	205.0	-358.96	-434.44	51.00	24.42	-141.75	6371.78
						410.0	-233.28	-434.44	51.00	24.42	1.031e+04	-8.284e+04
56	77	2.620e+04	2.171e+04	-0.13	0.0	0.0	-322.54	-71.11	105.49	93.65	-2.155e+04	2.620e+04
		-2472.67	-2.155e+04	-0.27	0.0	205.0	-196.86	-71.11	105.49	93.65	80.98	1.187e+04
						410.0	-71.18	-71.11	105.49	93.65	2.171e+04	-2472.67
56	84	5.901e+04	6173.07	0.13	0.0	0.0	-681.81	-236.71	-32.21	-64.65	6173.07	5.901e+04
		-3.834e+04	-7052.14	0.13	0.0	205.0	-556.12	-236.71	-32.21	-64.65	-439.54	1.033e+04
						410.0	-430.44	-236.71	-32.21	-64.65	-7052.14	-3.834e+04
56	85	2.481e+04	2.137e+04	-0.14	0.0	0.0	-313.37	-64.83	105.04	86.60	-2.171e+04	2.481e+04
		-1469.44	-2.171e+04	-0.26	0.0	205.0	-187.69	-64.83	105.04	86.60	-171.28	1.167e+04
						410.0	-62.00	-64.83	105.04	86.60	2.137e+04	-1469.44
56	89	6.717e+04	9005.37	-0.04	0.0	0.0	-425.99	-223.92	45.31	3.69	-9570.03	6.717e+04
		-2.464e+04	-9570.03	-0.08	0.0	205.0	-300.31	-223.92	45.31	3.69	-282.33	2.127e+04
						410.0	-174.63	-223.92	45.31	3.69	9005.37	-2.464e+04
56	90	6.864e+04	1.054e+04	-0.04	0.0	0.0	-535.80	-239.67	53.17	6.69	-1.126e+04	6.864e+04
		-2.962e+04	-1.126e+04	-0.09	0.0	205.0	-410.11	-239.67	53.17	6.69	-363.49	1.951e+04
						410.0	-284.43	-239.67	53.17	6.69	1.054e+04	-2.962e+04
56	91	3.475e+04	9616.49	-0.01	0.0	0.0	-742.96	-154.32	49.28	7.40	-1.059e+04	3.475e+04
		-2.852e+04	-1.059e+04	-0.10	0.0	205.0	-617.28	-154.32	49.28	7.40	-486.01	3117.64
						410.0	-491.60	-154.32	49.28	7.40	9616.49	-2.852e+04
56	93	5.950e+04	1.133e+04	-0.03	0.0	0.0	-674.81	-225.09	57.51	9.01	-1.225e+04	5.950e+04
		-3.278e+04	-1.225e+04	-0.11	0.0	205.0	-549.12	-225.09	57.51	9.01	-457.06	1.336e+04
						410.0	-423.44	-225.09	57.51	9.01	1.133e+04	-3.278e+04
56	99	4.898e+04	7649.96	-0.03	0.0	0.0	-478.11	-170.99	38.77	11.44	-8244.23	4.898e+04
		-2.112e+04	-8244.23	-0.07	0.0	205.0	-352.43	-170.99	38.77	11.44	-297.13	1.393e+04
						410.0	-226.75	-170.99	38.77	11.44	7649.96	-2.112e+04
56	100	3.189e+04	7036.55	-0.01	0.0	0.0	-570.72	-126.74	36.03	11.49	-7737.11	3.189e+04
		-2.007e+04	-7737.11	-0.07	0.0	205.0	-445.03	-126.74	36.03	11.49	-350.28	5908.75
						410.0	-319.35	-126.74	36.03	11.49	7036.55	-2.007e+04
56	102	4.250e+04	7772.19	-0.02	0.0	0.0	-541.51	-157.07	39.56	12.18	-8447.93	4.250e+04
		-2.190e+04	-8447.93	-0.07	0.0	205.0	-415.83	-157.07	39.56	12.18	-337.87	1.030e+04
						410.0	-290.14	-157.07	39.56	12.18	7772.19	-2.190e+04
56	105	3.130e+04	6423.90	-0.01	0.0	0.0	-526.80	-120.44	32.89	10.29	-7059.53	3.130e+04
		-1.808e+04	-7059.53	-0.06	0.0	205.0	-401.11	-120.44	32.89	10.29	-317.81	6612.26
						410.0	-275.43	-120.44	32.89	10.29	6423.90	-1.808e+04
56	106	4.191e+04	7159.54	-0.02	0.0	0.0	-497.59	-150.77	36.41	10.98	-7770.35	4.191e+04
		-1.991e+04	-7770.35	-0.06	0.0	205.0	-371.90	-150.77	36.41	10.98	-305.41	1.100e+04
						410.0	-246.22	-150.77	36.41	10.98	7159.54	-1.991e+04
57	4	4.635e+04	1.392e+04	0.07	0.0	0.0	-1130.80	397.68	-63.25	-38.86	1.392e+04	-1.167e+05
		-1.167e+05	-1.201e+04	-0.03	0.0	205.0	-967.42	397.68	-63.25	-38.86	956.25	-3.517e+05
						410.0	-804.03	397.68	-63.25	-38.86	-1.201e+04	4.635e+04
57	5	2.253e+04	9518.27	0.02	0.0	0.0	-680.13	150.27	-42.55	-32.19	9518.27	-3.908e+04
		-3.908e+04	-7928.91	0.02	0.0	205.0	-554.44	150.27	-42.55	-32.19	794.68	-8279.95
						410.0	-428.76	150.27	-42.55	-32.19	-7928.91	2.253e+04
57	11	5.636e+04	1.267e+04	0.05	0.0	0.0	-1338.23	388.02	-64.81	-41.56	1.267e+04	-1.027e+05
		-1.027e+05	-1.390e+04	-0.05	0.0	205.0	-1174.85	388.02	-64.81	-41.56	-613.31	-2.318e+04
						410.0	-1011.46	388.02	-64.81	-41.56	-1.390e+04	5.636e+04
57	17	3.386e+04	1.529e+04	0.06	0.0	0.0	-924.47	315.72	-65.64	-52.47	1.529e+04	-9.559e+04
		-9.559e+04	-1.162e+04	0.03	0.0	205.0	-761.09	315.72	-65.64	-52.47	1836.04	-3.087e+04
						410.0	-597.70	315.72	-65.64	-52.47	-1.162e+04	3.386e+04
57	24	6.861e+04	1.871e+04	-0.72	0.0	0.0	-951.38	406.68	-109.88	-69.28	1.871e+04	-8.854e+04
		-8.854e+04	-2.697e+04	0.55	0.0	205.0	-825.70	406.68	-109.88	-69.28	-4133.19	-9965.20
						410.0	-700.02	406.68	-109.88	-69.28	-2.697e+04	6.861e+04
57	27	8.561e+04	1.942e+04	-1.00	0.0	0.0	-886.86	342.10	-48.85	-19.03	1.942e+04	-7.409e+04
		-7.409e+04	-1.224e+04	0.16	0.0	205.0	-761.18	342.10	-48.85	-19.03	3587.34	5762.37
						410.0	-635.49	342.10	-48.85	-19.03	-1.224e+04	8.561e+04
57	28	6.842e+04	7081.73	-0.72	0.0	0.0	-953.79	408.06	-106.99	-64.73	7081.73	-8.790e+04
		-8.790e+04	-2.534e+04	0.49	0.0	205.0	-828.11	408.06	-106.99	-64.73	-9128.98	-9741.35
						410.0	-702.43	408.06	-106.99	-64.73	-2.534e+04	6.842e+04

57	29	-1.763e+04	1.395e+04	0.72	0.0	0.0	-421.55	-31.80	43.19	50.19	7687.22	-1.763e+04
		-1.968e+04	7687.22	-0.58	0.0	205.0	-295.86	-31.80	43.19	50.19	1.082e+04	-1.865e+04
						410.0	-170.18	-31.80	43.19	50.19	1.395e+04	-1.968e+04
57	44	6876.18	2.241e+04	0.28	0.0	0.0	-831.83	326.07	-162.55	-120.25	2.241e+04	-8.365e+04
		-8.365e+04	-3.976e+04	0.89	0.0	205.0	-706.14	326.07	-162.55	-120.25	-8672.72	-3.839e+04
						410.0	-580.46	326.07	-162.55	-120.25	-3.976e+04	6876.18
57	53	4.249e+04	3.111e+04	-0.29	0.0	0.0	-535.47	45.60	89.13	90.53	3.111e+04	-2.400e+04
		-2.400e+04	2.292e+04	-0.79	0.0	205.0	-409.79	45.60	89.13	90.53	2.701e+04	9244.15
						410.0	-284.11	45.60	89.13	90.53	2.292e+04	4.249e+04
57	56	4.582e+04	1.265e+04	-0.35	0.0	0.0	-814.75	294.44	-67.41	-35.14	1.265e+04	-7.049e+04
		-7.049e+04	-1.529e+04	0.22	0.0	205.0	-689.07	294.44	-67.41	-35.14	-1319.11	-1.234e+04
						410.0	-563.39	294.44	-67.41	-35.14	-1.529e+04	4.582e+04
57	59	5.387e+04	1.314e+04	-0.48	0.0	0.0	-783.73	262.92	-39.27	-12.28	1.314e+04	-6.342e+04
		-6.342e+04	-8701.70	0.05	0.0	205.0	-658.05	262.92	-39.27	-12.28	2216.95	-4772.21
						410.0	-532.37	262.92	-39.27	-12.28	-8701.70	5.387e+04
57	60	4.566e+04	7084.16	-0.35	0.0	0.0	-815.93	295.13	-66.90	-33.20	7084.16	-7.024e+04
		-7.024e+04	-1.470e+04	0.20	0.0	205.0	-690.24	295.13	-66.90	-33.20	-3807.91	-1.229e+04
						410.0	-564.56	295.13	-66.90	-33.20	-1.470e+04	4.566e+04
57	61	3080.39	7684.80	0.35	0.0	0.0	-559.41	81.13	3.10	18.66	7684.80	-3.529e+04
		-3.529e+04	3309.90	-0.29	0.0	205.0	-433.73	81.13	3.10	18.66	5497.35	-1.610e+04
						410.0	-308.05	81.13	3.10	18.66	3309.90	3080.39
57	76	1.627e+04	1.440e+04	0.13	0.0	0.0	-756.92	255.43	-90.66	-58.14	1.440e+04	-6.782e+04
		-6.782e+04	-2.075e+04	0.36	0.0	205.0	-631.24	255.43	-90.66	-58.14	-3171.02	-2.578e+04
						410.0	-505.56	255.43	-90.66	-58.14	-2.075e+04	1.627e+04
57	85	3.300e+04	1.893e+04	-0.13	0.0	0.0	-614.50	118.54	25.14	37.15	1.893e+04	-3.855e+04
		-3.855e+04	7381.76	-0.38	0.0	205.0	-488.82	118.54	25.14	37.15	1.316e+04	-2775.66
						410.0	-363.13	118.54	25.14	37.15	7381.76	3.300e+04
57	87	2.344e+04	8618.85	0.02	0.0	0.0	-691.58	157.08	-38.74	-23.99	8618.85	-4.097e+04
		-4.097e+04	-7264.41	-8.71e-03	0.0	205.0	-565.90	157.08	-38.74	-23.99	677.22	-8763.24
						410.0	-440.22	157.08	-38.74	-23.99	-7264.41	2.344e+04
57	90	3.349e+04	1.019e+04	0.05	0.0	0.0	-835.96	281.88	-46.01	-26.68	1.019e+04	-8.208e+04
		-8.208e+04	-8669.62	-0.03	0.0	205.0	-710.28	281.88	-46.01	-26.68	762.41	-2.430e+04
						410.0	-584.60	281.88	-46.01	-26.68	-8669.62	3.349e+04
57	93	4.016e+04	9362.19	0.04	0.0	0.0	-974.25	275.44	-47.05	-28.48	9362.19	-7.277e+04
		-7.277e+04	-9930.12	-0.04	0.0	205.0	-848.56	275.44	-47.05	-28.48	-283.96	-1.630e+04
						410.0	-722.88	275.44	-47.05	-28.48	-9930.12	4.016e+04
57	96	2.516e+04	1.111e+04	0.04	0.0	0.0	-698.41	227.24	-47.61	-35.75	1.111e+04	-6.801e+04
		-6.801e+04	-8410.85	0.01	0.0	205.0	-572.73	227.24	-47.61	-35.75	1348.94	-2.143e+04
						410.0	-447.04	227.24	-47.61	-35.75	-8410.85	2.516e+04
57	98	2.359e+04	6828.83	0.02	0.0	0.0	-686.26	157.84	-30.46	-7.07	6828.83	-4.113e+04
		-4.113e+04	-5661.64	-0.04	0.0	205.0	-560.58	157.84	-30.46	-7.07	583.59	-8769.18
						410.0	-434.90	157.84	-30.46	-7.07	-5661.64	2.359e+04
57	99	2.489e+04	7754.91	0.04	0.0	0.0	-688.61	208.32	-32.86	-7.41	7754.91	-6.052e+04
		-6.052e+04	-5717.30	-0.05	0.0	205.0	-562.92	208.32	-32.86	-7.41	1018.81	-1.782e+04
						410.0	-437.24	208.32	-32.86	-7.41	-5717.30	2.489e+04
57	102	2.735e+04	7273.84	0.03	0.0	0.0	-743.55	197.67	-32.89	-8.07	7273.84	-5.369e+04
		-5.369e+04	-6212.60	-0.05	0.0	205.0	-617.86	197.67	-32.89	-8.07	530.62	-1.317e+04
						410.0	-492.18	197.67	-32.89	-8.07	-6212.60	2.735e+04
57	104	2.432e+04	7981.15	0.03	0.0	0.0	-689.44	187.87	-34.66	-12.91	7981.15	-5.271e+04
		-5.271e+04	-6229.29	-0.03	0.0	205.0	-563.76	187.87	-34.66	-12.91	875.93	-1.220e+04
						410.0	-438.08	187.87	-34.66	-12.91	-6229.29	2.432e+04
57	105	2.359e+04	6828.83	0.02	0.0	0.0	-686.26	157.84	-30.46	-7.07	6828.83	-4.113e+04
		-4.113e+04	-5661.64	-0.04	0.0	205.0	-560.58	157.84	-30.46	-7.07	583.59	-8769.18
						410.0	-434.90	157.84	-30.46	-7.07	-5661.64	2.359e+04
57	106	2.437e+04	7384.48	0.03	0.0	0.0	-687.67	188.13	-31.90	-7.27	7384.48	-5.276e+04
		-5.276e+04	-5695.04	-0.05	0.0	205.0	-561.99	188.13	-31.90	-7.27	844.72	-1.420e+04
						410.0	-436.30	188.13	-31.90	-7.27	-5695.04	2.437e+04
58	4	4.144e+04	-3676.01	0.04	0.0	0.0	-1856.17	546.61	-4.29	-84.52	-3676.01	-1.280e+05
		-1.280e+05	-5006.92	-0.01	0.0	155.0	-1732.64	546.61	-4.29	-84.52	-4341.47	-4.328e+04
						310.0	-1609.10	546.61	-4.29	-84.52	-5006.92	4.144e+04
58	5	1.875e+04	67.95	-0.05	0.0	0.0	-1103.65	190.04	-23.42	-75.91	67.95	-4.016e+04
		-4.016e+04	-7192.53	0.03	0.0	155.0	-1008.62	190.04	-23.42	-75.91	-3562.29	-1.070e+04
						310.0	-913.59	190.04	-23.42	-75.91	-7192.53	1.875e+04
58	11	3.817e+04	-4977.74	-0.03	0.0	0.0	-2222.47	467.53	-1.95	-80.06	-4977.74	-1.068e+05
		-1.068e+05	-5581.17	-0.02	0.0	155.0	-2098.93	467.53	-1.95	-80.06	-5279.45	-3.430e+04
						310.0	-1975.40	467.53	-1.95	-80.06	-5581.17	3.817e+04
58	19	2.321e+04	5216.65	-0.08	0.0	0.0	-1153.85	217.08	-57.22	-126.51	5216.65	-4.409e+04
		-4.409e+04	-1.252e+04	0.07	0.0	155.0	-1058.82	217.08	-57.22	-126.51	-3652.62	-1.044e+04
						310.0	-963.79	217.08	-57.22	-126.51	-1.252e+04	2.321e+04
58	21	3.448e+04	5239.79	-0.07	0.0	0.0	-1164.82	417.34	-52.96	-133.47	5239.79	-9.490e+04
		-9.490e+04	-1.118e+04	0.05	0.0	155.0	-1069.79	417.34	-52.96	-133.47	-2969.50	-3.021e+04
						310.0	-974.76	417.34	-52.96	-133.47	-1.118e+04	3.448e+04
58	23	1.035e+05	6765.38	-0.53	0.0	0.0	-1294.02	713.93	-74.44	-21.96	6765.38	-1.213e+05
		-1.213e+05	-1.628e+04	0.11	0.0	155.0	-1198.99	713.93	-74.44	-21.96	-4757.39	-8883.06
						310.0	-1103.97	713.93	-74.44	-21.96	-1.628e+04	1.035e+05
58	27	1.037e+05	1.169e+04	-0.53	0.0	0.0	-1318.78	710.58	-110.69	-106.31	1.169e+04	-1.198e+05
		-1.198e+05	-2.254e+04	0.16	0.0	155.0	-1223.75	710.58	-110.69	-106.31	-5423.50	-8056.16

							310.0	-1128.72	710.58	-110.69	-106.31	-2.254e+04	1.037e+05
58	44	-3538.88 -2.477e+04	9.420e+04 -1.154e+05	-0.38 0.85	0.0 0.0	0.0 155.0	0.0	-1771.65	84.61	-675.75	-192.01	9.420e+04	-2.477e+04
							310.0	-1676.62	84.61	-675.75	-192.01	-1.061e+04	-1.415e+04
							310.0	-1581.59	84.61	-675.75	-192.01	-1.154e+05	-3538.88
58	45	3.534e+04 -7.668e+04	1.178e+05 -1.097e+05	0.40 -0.91	0.0 0.0	0.0 155.0	0.0	-341.17	345.22	733.34	187.88	-1.097e+05	-7.668e+04
							310.0	-246.14	345.22	733.34	187.88	4073.13	-2.067e+04
							310.0	-151.12	345.22	733.34	187.88	1.178e+05	3.534e+04
58	55	5.802e+04 -8.501e+04	-608.62 -7396.77	-0.25 0.04	0.0 0.0	0.0 155.0	0.0	-1171.87	456.17	-21.95	-11.56	-608.62	-8.501e+04
							310.0	-1076.84	456.17	-21.95	-11.56	-4002.70	-1.349e+04
							310.0	-981.81	456.17	-21.95	-11.56	-7396.77	5.802e+04
58	59	5.806e+04 -8.434e+04	1178.09 -9789.43	-0.25 0.06	0.0 0.0	0.0 155.0	0.0	-1180.31	454.45	-35.52	-49.83	1178.09	-8.434e+04
							310.0	-1085.28	454.45	-35.52	-49.83	-4305.67	-1.314e+04
							310.0	-990.25	454.45	-35.52	-49.83	-9789.43	5.806e+04
58	76	6583.85 -3.821e+04	3.731e+04 -5.009e+04	-0.18 0.35	0.0 0.0	0.0 155.0	0.0	-1370.26	151.20	-281.71	-87.57	3.731e+04	-3.821e+04
							310.0	-1275.23	151.20	-281.71	-87.57	-6392.80	-1.581e+04
							310.0	-1180.20	151.20	-281.71	-87.57	-5.009e+04	6583.85
58	77	2.522e+04 -6.324e+04	5.248e+04 -5.277e+04	0.20 -0.42	0.0 0.0	0.0 155.0	0.0	-742.57	278.63	339.31	83.44	-5.277e+04	-6.324e+04
							310.0	-647.54	278.63	339.31	83.44	-141.57	-1.901e+04
							310.0	-552.51	278.63	339.31	83.44	5.248e+04	2.522e+04
58	87	1.714e+04 -4.013e+04	-2588.44 -4516.95	-0.03 0.02	0.0 0.0	0.0 155.0	0.0	-1103.48	184.74	-6.22	-50.67	-2588.44	-4.013e+04
							310.0	-1008.45	184.74	-6.22	-50.67	-3552.69	-1.150e+04
							310.0	-913.42	184.74	-6.22	-50.67	-4516.95	1.714e+04
58	90	2.891e+04 -8.888e+04	-3236.89 -3427.61	0.03 -0.01	0.0 0.0	0.0 155.0	0.0	-1361.26	379.96	0.62	-56.32	-3427.61	-8.888e+04
							310.0	-1266.23	379.96	0.62	-56.32	-3332.25	-2.998e+04
							310.0	-1171.21	379.96	0.62	-56.32	-3236.89	2.891e+04
58	93	2.673e+04 -7.472e+04	-3619.72 -4295.42	-0.02 -0.02	0.0 0.0	0.0 155.0	0.0	-1605.46	327.24	2.18	-53.34	-4295.42	-7.472e+04
							310.0	-1510.43	327.24	2.18	-53.34	-3957.57	-2.399e+04
							310.0	-1415.40	327.24	2.18	-53.34	-3619.72	2.673e+04
58	94	2.011e+04 -4.275e+04	844.03 -8069.86	-0.05 0.04	0.0 0.0	0.0 155.0	0.0	-1136.95	202.76	-28.75	-84.40	844.03	-4.275e+04
							310.0	-1041.92	202.76	-28.75	-84.40	-3612.91	-1.132e+04
							310.0	-946.89	202.76	-28.75	-84.40	-8069.86	2.011e+04
58	96	2.762e+04 -7.662e+04	859.46 -7174.46	-0.04 0.0									

		-1.276e+05	-4300.70	0.04	0.0	225.0	-3642.07	-846.62	-20.18	53.49	243.18	6.316e+04
						450.0	-3504.13	-846.62	-20.18	53.49	-4300.70	-1.276e+05
59	51	9.462e+04	5785.43	-0.75	0.0	0.0	2248.19	605.93	33.83	102.10	-9446.01	-1.787e+05
		-1.787e+05	-9446.01	-0.11	0.0	225.0	2386.13	605.93	33.83	102.10	-1830.29	-4.205e+04
						450.0	2524.08	605.93	33.83	102.10	5785.43	9.462e+04
59	54	1.793e+05	8129.06	0.75	0.0	0.0	-3566.17	-609.53	-32.27	-91.99	8129.06	1.793e+05
		-9.565e+04	-6402.79	0.08	0.0	225.0	-3428.23	-609.53	-32.27	-91.99	863.14	4.182e+04
						450.0	-3290.28	-609.53	-32.27	-91.99	-6402.79	-9.565e+04
59	55	6.145e+04	1470.65	-0.52	0.0	0.0	793.18	408.04	10.07	-12.46	-3064.92	-1.224e+05
		-1.224e+05	-3064.92	-0.04	0.0	225.0	931.13	408.04	10.07	-12.46	-797.14	-3.050e+04
						450.0	1069.07	408.04	10.07	-12.46	1470.65	6.145e+04
59	58	1.230e+05	1747.97	0.52	0.0	0.0	-2111.17	-411.64	-8.52	22.57	1747.97	1.230e+05
		-6.249e+04	-2088.00	0.01	0.0	225.0	-1973.22	-411.64	-8.52	22.57	-170.02	3.027e+04
						450.0	-1835.28	-411.64	-8.52	22.57	-2088.00	-6.249e+04
59	59	6.048e+04	1632.74	-0.52	0.0	0.0	849.45	403.52	10.97	-17.44	-3307.36	-1.214e+05
		-1.214e+05	-3307.36	-0.04	0.0	225.0	987.40	403.52	10.97	-17.44	-837.31	-3.045e+04
						450.0	1125.34	403.52	10.97	-17.44	1632.74	6.048e+04
59	62	1.220e+05	1990.41	0.52	0.0	0.0	-2167.44	-407.12	-9.42	27.55	1990.41	1.220e+05
		-6.151e+04	-2250.10	0.01	0.0	225.0	-2029.49	-407.12	-9.42	27.55	-129.84	3.023e+04
						450.0	-1891.55	-407.12	-9.42	27.55	-2250.10	-6.151e+04
59	83	4.436e+04	2692.12	-0.35	0.0	0.0	757.57	285.05	17.05	47.75	-4982.28	-8.426e+04
		-8.426e+04	-4982.28	-0.06	0.0	225.0	895.52	285.05	17.05	47.75	-1145.08	-1.995e+04
						450.0	1033.46	285.05	17.05	47.75	2692.12	4.436e+04
59	86	8.485e+04	3665.33	0.35	0.0	0.0	-2075.56	-288.65	-15.49	-37.64	3665.33	8.485e+04
		-4.539e+04	-3309.48	0.03	0.0	225.0	-1937.61	-288.65	-15.49	-37.64	177.93	1.973e+04
						450.0	-1799.67	-288.65	-15.49	-37.64	-3309.48	-4.539e+04
59	87	1383.55	881.82	2.59e-03	0.0	0.0	-162.02	-7.50	7.29	-6.79	-2399.28	1383.55
		-1989.51	-2399.28	-0.03	0.0	225.0	-24.08	-7.50	7.29	-6.79	-758.73	-302.98
						450.0	113.87	-7.50	7.29	-6.79	881.82	-1989.51
59	89	2322.71	2423.69	-1.24e-03	0.0	0.0	163.51	7.57	15.01	1.41	-4332.78	-1084.62
		-1084.62	-4332.78	-0.05	0.0	225.0	301.45	7.57	15.01	1.41	-954.55	619.05
						450.0	439.40	7.57	15.01	1.41	2423.69	2322.71
59	91	1366.73	1015.43	2.05e-03	0.0	0.0	-154.80	-8.32	7.78	-6.97	-2486.85	1366.73
		-2378.69	-2486.85	-0.03	0.0	225.0	-16.85	-8.32	7.78	-6.97	-735.71	-505.98
						450.0	121.09	-8.32	7.78	-6.97	1015.43	-2378.69
59	97	714.60	3129.97	1.34e-03	0.0	0.0	465.88	1.85	18.83	-7.40	-5343.75	-119.61
		-119.61	-5343.75	-0.06	0.0	225.0	603.83	1.85	18.83	-7.40	-1106.89	297.50
						450.0	741.77	1.85	18.83	-7.40	3129.97	714.60
59	98	1034.09	-78.42	1.54e-03	0.0	0.0	-756.65	-6.32	-1.54	2.59	-78.42	1034.09
		-1809.72	-771.24	-7.45e-03	0.0	225.0	-618.71	-6.32	-1.54	2.59	-424.83	-387.81
						450.0	-480.76	-6.32	-1.54	2.59	-771.24	-1809.72
59	100	1030.73	-95.94	1.43e-03	0.0	0.0	-755.21	-6.49	-1.44	2.56	-95.94	1030.73
		-1887.55	-744.52	-7.51e-03	0.0	225.0	-617.26	-6.49	-1.44	2.56	-420.23	-428.41
						450.0	-479.32	-6.49	-1.44	2.56	-744.52	-1887.55
59	103	1150.58	-220.22	1.88e-03	0.0	0.0	-558.44	-6.71	1.40	-0.54	-852.04	1150.58
		-1869.65	-852.04	-0.02	0.0	225.0	-420.50	-6.71	1.40	-0.54	-536.13	-359.53
						450.0	-282.55	-6.71	1.40	-0.54	-220.22	-1869.65
59	104	410.13	242.34	7.93e-04	0.0	0.0	-460.78	-2.19	3.72	1.93	-1432.09	410.13
		-575.98	-1432.09	-0.02	0.0	225.0	-322.84	-2.19	3.72	1.93	-594.88	-82.93
						450.0	-184.89	-2.19	3.72	1.93	242.34	-575.98
59	105	1034.09	-78.42	1.54e-03	0.0	0.0	-756.65	-6.32	-1.54	2.59	-78.42	1034.09
		-1809.72	-771.24	-7.45e-03	0.0	225.0	-618.71	-6.32	-1.54	2.59	-424.83	-387.81
						450.0	-480.76	-6.32	-1.54	2.59	-771.24	-1809.72
59	106	293.64	-308.68	4.34e-04	0.0	0.0	-658.99	-1.80	0.78	5.06	-658.47	293.64
		-516.05	-658.47	-0.01	0.0	225.0	-521.05	-1.80	0.78	5.06	-483.58	-111.20
						450.0	-383.10	-1.80	0.78	5.06	-308.68	-516.05
60	3	2.392e+04	6035.99	0.03	0.0	0.0	-1.054e+04	-152.22	31.57	-4.44	-8168.67	2.392e+04
		-4.458e+04	-8168.67	-0.08	0.0	225.0	-1.036e+04	-152.22	31.57	-4.44	-1066.34	-1.033e+04
						450.0	-1.018e+04	-152.22	31.57	-4.44	6035.99	-4.458e+04
60	4	2.387e+04	6602.60	0.03	0.0	0.0	-1.124e+04	-153.08	33.42	-4.48	-8438.24	2.387e+04
		-4.501e+04	-8438.24	-0.08	0.0	225.0	-1.106e+04	-153.08	33.42	-4.48	-917.82	-1.057e+04
						450.0	-1.088e+04	-153.08	33.42	-4.48	6602.60	-4.501e+04
60	5	-1575.19	-478.20	-0.04	0.0	0.0	-4079.97	-19.48	0.53	-12.45	-716.53	-1575.19
		-1.034e+04	-716.53	-0.02	0.0	225.0	-3942.03	-19.48	0.53	-12.45	-597.36	-5958.23
						450.0	-3804.08	-19.48	0.53	-12.45	-478.20	-1.034e+04
60	8	1.979e+04	6627.49	0.03	0.0	0.0	-9698.63	-128.85	32.79	-4.91	-8127.00	1.979e+04
		-3.820e+04	-8127.00	-0.08	0.0	225.0	-9560.68	-128.85	32.79	-4.91	-749.75	-9203.88
						450.0	-9422.74	-128.85	32.79	-4.91	6627.49	-3.820e+04
60	24	9.260e+04	4.413e+04	-0.80	0.0	0.0	-5519.63	618.36	-182.48	-126.48	4.413e+04	-1.864e+05
		-1.864e+05	-3.801e+04	0.40	0.0	225.0	-5381.68	618.36	-182.48	-126.48	3060.43	-4.689e+04
						450.0	-5243.74	618.36	-182.48	-126.48	-3.801e+04	9.260e+04
60	25	2.149e+05	3.960e+04	0.83	0.0	0.0	-4854.19	-778.53	195.28	132.43	-4.829e+04	2.149e+05
		-1.362e+05	-4.829e+04	-0.46	0.0	225.0	-4716.24	-778.53	195.28	132.43	-4345.15	3.936e+04
						450.0	-4578.30	-778.53	195.28	132.43	3.960e+04	-1.362e+05
60	27	5.245e+04	1.418e+04	-0.56	0.0	0.0	-5638.23	395.24	-61.20	-38.65	1.418e+04	-1.256e+05
		-1.256e+05	-1.336e+04	0.12	0.0	225.0	-5500.28	395.24	-61.20	-38.65	410.64	-3.659e+04
						450.0	-5362.34	395.24	-61.20	-38.65	-1.336e+04	5.245e+04

60	30	1.541e+05	1.495e+04	0.60	0.0	0.0	-4735.58	-555.41	74.00	44.61	-1.835e+04	1.541e+05
		-9.602e+04	-1.835e+04	-0.17	0.0	225.0	-4597.64	-555.41	74.00	44.61	-1695.36	2.905e+04
						450.0	-4459.69	-555.41	74.00	44.61	1.495e+04	-9.602e+04
60	44	7.042e+04	6.802e+04	-0.52	0.0	0.0	-5083.94	434.14	-277.55	-203.34	6.802e+04	-1.262e+05
		-1.262e+05	-5.690e+04	0.64	0.0	225.0	-4945.99	434.14	-277.55	-203.34	5558.30	-2.788e+04
						450.0	-4808.05	434.14	-277.55	-203.34	-5.690e+04	7.042e+04
60	45	1.547e+05	5.850e+04	0.56	0.0	0.0	-5289.87	-594.31	290.35	209.30	-7.218e+04	1.547e+05
		-1.140e+05	-7.218e+04	-0.69	0.0	225.0	-5151.93	-594.31	290.35	209.30	-6843.02	2.035e+04
						450.0	-5013.99	-594.31	290.35	209.30	5.850e+04	-1.140e+05
60	56	3.240e+04	1.877e+04	-0.37	0.0	0.0	-5347.54	251.29	-79.01	-54.46	1.877e+04	-8.105e+04
		-8.105e+04	-1.679e+04	0.17	0.0	225.0	-5209.59	251.29	-79.01	-54.46	992.62	-2.433e+04
						450.0	-5071.65	251.29	-79.01	-54.46	-1.679e+04	3.240e+04
60	57	1.096e+05	1.838e+04	0.41	0.0	0.0	-5026.27	-411.46	91.81	60.42	-2.294e+04	1.096e+05
		-7.597e+04	-2.294e+04	-0.22	0.0	225.0	-4888.33	-411.46	91.81	60.42	-2277.33	1.679e+04
						450.0	-4750.38	-411.46	91.81	60.42	1.838e+04	-7.597e+04
60	59	1.406e+04	5544.65	-0.26	0.0	0.0	-5404.23	149.28	-25.35	-16.37	5544.65	-5.322e+04
		-5.322e+04	-5862.10	0.04	0.0	225.0	-5266.28	149.28	-25.35	-16.37	-158.73	-1.958e+04
						450.0	-5128.34	149.28	-25.35	-16.37	-5862.10	1.406e+04
60	62	8.173e+04	7457.47	0.30	0.0	0.0	-4969.58	-309.44	38.15	22.33	-9709.46	8.173e+04
		-5.763e+04	-9709.46	-0.10	0.0	225.0	-4831.64	-309.44	38.15	22.33	-1125.99	1.205e+04
						450.0	-4693.70	-309.44	38.15	22.33	7457.47	-5.763e+04
60	76	2.005e+04	2.873e+04	-0.23	0.0	0.0	-5138.34	153.82	-118.56	-86.28	2.873e+04	-4.981e+04
		-4.981e+04	-2.463e+04	0.26	0.0	225.0	-5000.40	153.82	-118.56	-86.28	2047.91	-1.488e+04
						450.0	-4862.45	153.82	-118.56	-86.28	-2.463e+04	2.005e+04
60	77	7.832e+04	2.623e+04	0.27	0.0	0.0	-5235.47	-313.99	131.36	92.23	-3.289e+04	7.832e+04
		-6.362e+04	-3.289e+04	-0.32	0.0	225.0	-5097.52	-313.99	131.36	92.23	-3332.63	7348.36
						450.0	-4959.58	-313.99	131.36	92.23	2.623e+04	-6.362e+04
60	87	2636.71	-446.13	-0.02	0.0	0.0	-4214.03	-34.68	0.64	-7.82	-734.08	2636.71
		-1.297e+04	-734.08	-0.02	0.0	225.0	-4076.09	-34.68	0.64	-7.82	-590.11	-5166.89
						450.0	-3938.15	-34.68	0.64	-7.82	-446.13	-1.297e+04
60	89	1.691e+04	3913.26	0.02	0.0	0.0	-7495.49	-107.03	20.91	-2.76	-5494.68	1.691e+04
		-3.125e+04	-5494.68	-0.06	0.0	225.0	-7357.55	-107.03	20.91	-2.76	-790.71	-7169.94
						450.0	-7219.61	-107.03	20.91	-2.76	3913.26	-3.125e+04
60	90	1.688e+04	4291.00	0.02	0.0	0.0	-7959.81	-107.60	22.15	-2.79	-5674.40	1.688e+04
		-3.154e+04	-5674.40	-0.06	0.0	225.0	-7821.86	-107.60	22.15	-2.79	-691.70	-7330.66
						450.0	-7683.92	-107.60	22.15	-2.79	4291.00	-3.154e+04
60	98	9969.95	-510.13	0.02	0.0	0.0	-4202.47	-58.38	0.32	1.46	-654.23	9969.95
		-1.630e+04	-654.23	-0.01	0.0	225.0	-4064.52	-58.38	0.32	1.46	-582.18	-3165.58
						450.0	-3926.58	-58.38	0.32	1.46	-510.13	-1.630e+04
60	99	1.711e+04	1669.57	0.03	0.0	0.0	-5843.20	-94.55	10.45	3.99	-3034.53	1.711e+04
		-2.544e+04	-3034.53	-0.04	0.0	225.0	-5705.25	-94.55	10.45	3.99	-682.48	-4167.10
						450.0	-5567.31	-94.55	10.45	3.99	1669.57	-2.544e+04
60	105	9969.95	-510.13	0.02	0.0	0.0	-4202.47	-58.38	0.32	1.46	-654.23	9969.95
		-1.630e+04	-654.23	-0.01	0.0	225.0	-4064.52	-58.38	0.32	1.46	-582.18	-3165.58
						450.0	-3926.58	-58.38	0.32	1.46	-510.13	-1.630e+04
60	106	1.425e+04	797.69	0.02	0.0	0.0	-5186.91	-80.08	6.40	2.98	-2082.41	1.425e+04
		-2.179e+04	-2082.41	-0.03	0.0	225.0	-5048.96	-80.08	6.40	2.98	-642.36	-3766.49
						450.0	-4911.02	-80.08	6.40	2.98	797.69	-2.179e+04
61	3	4.381e+04	1.178e+04	-0.03	0.0	0.0	-2061.46	-196.25	-111.82	-54.52	1.178e+04	4.381e+04
		-1.702e+04	-2.289e+04	-0.03	0.0	155.0	-1937.92	-196.25	-111.82	-54.52	-5556.75	1.340e+04
						310.0	-1814.39	-196.25	-111.82	-54.52	-2.289e+04	-1.702e+04
61	7	3.582e+04	7623.16	-0.03	0.0	0.0	-1482.39	-164.29	-74.29	-54.09	7623.16	3.582e+04
		-1.511e+04	-1.541e+04	-0.03	0.0	155.0	-1387.37	-164.29	-74.29	-54.09	-3891.28	1.036e+04
						310.0	-1292.34	-164.29	-74.29	-54.09	-1.541e+04	-1.511e+04
61	9	1.351e+04	2.326e+04	-0.04	0.0	0.0	-3559.74	-11.82	-222.78	-42.40	2.326e+04	1.351e+04
		9848.95	-4.580e+04	0.03	0.0	155.0	-3436.21	-11.82	-222.78	-42.40	-1.127e+04	1.168e+04
						310.0	-3312.67	-11.82	-222.78	-42.40	-4.580e+04	9848.95
61	26	1.565e+05	6343.74	0.56	0.0	0.0	-1639.52	-874.98	-76.42	121.29	6343.74	1.565e+05
		-1.156e+05	-1.659e+04	-0.07	0.0	155.0	-1544.49	-874.98	-76.42	121.29	-5122.39	2.045e+04
						310.0	-1449.46	-874.98	-76.42	121.29	-1.659e+04	-1.156e+05
61	30	1.562e+05	4948.29	0.55	0.0	0.0	-1640.97	-874.99	-65.29	120.22	4948.29	1.562e+05
		-1.159e+05	-1.459e+04	-0.09	0.0	155.0	-1545.95	-874.99	-65.29	120.22	-4821.05	2.014e+04
						310.0	-1450.92	-874.99	-65.29	120.22	-1.459e+04	-1.159e+05
61	44	5.688e+04	6.695e+04	-0.38	0.0	0.0	-1513.94	-282.02	-454.93	105.52	6.695e+04	5.688e+04
		-3.211e+04	-7.455e+04	0.41	0.0	155.0	-1418.92	-282.02	-454.93	105.52	-3799.43	1.239e+04
						310.0	-1323.89	-282.02	-454.93	105.52	-7.455e+04	-3.211e+04
61	45	1.607e+04	3.422e+04	0.40	0.0	0.0	-1703.19	73.06	250.89	-111.49	-4.404e+04	-8141.22
		-8141.22	-4.404e+04	-0.44	0.0	155.0	-1608.16	73.06	250.89	-111.49	-4909.77	3963.89
						310.0	-1513.13	73.06	250.89	-111.49	3.422e+04	1.607e+04
61	58	8.817e+04	9125.93	0.27	0.0	0.0	-1623.53	-475.52	-91.02	54.29	9125.93	8.817e+04
		-5.968e+04	-1.869e+04	-0.04	0.0	155.0	-1528.50	-475.52	-91.02	54.29	-4783.23	1.424e+04
						310.0	-1433.47	-475.52	-91.02	54.29	-1.869e+04	-5.968e+04
61	62	8.794e+04	8667.22	0.27	0.0	0.0	-1623.89	-475.24	-86.91	54.18	8667.22	8.794e+04
		-5.977e+04	-1.790e+04	-0.05	0.0	155.0	-1528.86	-475.24	-86.91	54.18	-4617.69	1.408e+04
						310.0	-1433.83	-475.24	-86.91	54.18	-1.790e+04	-5.977e+04
61	76	4.023e+04	3.558e+04	-0.17	0.0	0.0	-1566.99	-190.35	-255.03	46.24	3.558e+04	4.023e+04
		-1.945e+04	-4.374e+04	0.17	0.0	155.0	-1471.96	-190.35	-255.03	46.24	-4082.12	1.039e+04

61	77	8504.29	3406.42	0.20	0.0	310.0	-1376.93	-190.35	-255.03	46.24	-4.374e+04	-1.945e+04
		3412.43	-1.266e+04	-0.20	0.0	0.0	-1650.14	-18.61	50.98	-52.22	-1.266e+04	8504.29
61	89	3.089e+04	9352.29	-0.02	0.0	155.0	-1555.12	-18.61	50.98	-52.22	-4627.09	5958.36
		-1.168e+04	-1.773e+04	-0.02	0.0	310.0	-1460.09	-18.61	50.98	-52.22	3406.42	3412.43
61	91	1.069e+04	1.701e+04	-0.03	0.0	0.0	-1561.06	-137.34	-87.38	-36.42	9352.29	3.089e+04
		6229.80	-3.301e+04	0.02	0.0	155.0	-1466.03	-137.34	-87.38	-36.42	-4191.12	9602.88
61	99	2.820e+04	1.085e+04	0.01	0.0	310.0	-1371.00	-137.34	-87.38	-36.42	-1.773e+04	-1.168e+04
		-1.058e+04	-1.941e+04	-0.01	0.0	0.0	-2559.91	-14.39	-161.35	-28.34	1.701e+04	1.069e+04
61	100	1.841e+04	1.329e+04	7.42e-03	0.0	155.0	-2464.88	-14.39	-161.35	-28.34	-7998.29	8459.90
		-3155.97	-2.360e+04	0.01	0.0	310.0	-2369.86	-14.39	-161.35	-28.34	-3.301e+04	6229.80
61	105	1.862e+04	1.237e+04	7.36e-03	0.0	0.0	-1595.88	-125.10	-97.63	-4.34	1.085e+04	2.820e+04
		-4178.20	-2.130e+04	0.01	0.0	155.0	-1500.85	-125.10	-97.63	-4.34	-4281.17	8810.65
61	106	2.437e+04	1.146e+04	0.01	0.0	310.0	-1405.82	-125.10	-97.63	-4.34	-1.941e+04	-1.058e+04
		-8019.23	-2.017e+04	-0.01	0.0	0.0	-1814.68	-69.58	-119.01	-0.69	1.329e+04	1.841e+04
62	4	-2017.23	-3322.96	2.86e-03	0.0	155.0	-1719.65	-69.58	-119.01	-0.69	-5152.75	7628.79
		-1.454e+04	-1.171e+04	-0.04	0.0	310.0	-1624.63	-69.58	-119.01	-0.69	-2.360e+04	-3155.97
62	5	-1047.84	-2224.55	-4.83e-03	0.0	0.0	-1627.60	-73.55	-108.61	-0.95	1.237e+04	1.862e+04
		-3984.67	-7192.54	-0.02	0.0	155.0	-1532.57	-73.55	-108.61	-0.95	-4464.75	7221.87
62	7	-2353.53	-1650.34	2.24e-03	0.0	310.0	-1437.54	-73.55	-108.61	-0.95	-2.130e+04	-4178.20
		-1.278e+04	-6137.89	-0.03	0.0	0.0	-1608.57	-104.48	-102.02	-2.99	1.146e+04	2.437e+04
62	9	-402.84	-4817.49	-4.24e-03	0.0	155.0	-1513.54	-104.48	-102.02	-2.99	-4354.60	8175.14
		-5869.88	-1.585e+04	-0.04	0.0	310.0	-1418.51	-104.48	-102.02	-2.99	-2.017e+04	-8019.23
62	11	-1316.83	-4415.54	1.40e-03	0.0	0.0	-809.02	91.65	61.38	24.95	-1.171e+04	-1.454e+04
		-1.202e+04	-1.511e+04	-0.05	0.0	68.3	-754.56	91.65	61.38	24.95	-7517.28	-8279.69
62	27	-4.295e+04	3025.19	-0.28	0.0	136.7	-700.10	91.65	61.38	24.95	-3322.96	-2017.23
		-4.484e+04	288.11	0.01	0.0	0.0	-481.40	21.49	36.35	8.60	-7192.54	-3984.67
62	30	4.261e+04	-4399.67	0.28	0.0	68.3	-439.50	21.49	36.35	8.60	-4708.55	-2516.25
		3.295e+04	-1.680e+04	-0.05	0.0	136.7	-397.61	21.49	36.35	8.60	-2224.55	-1047.84
62	44	8071.47	4.174e+04	0.06	0.0	0.0	-554.74	76.26	32.84	5.27	-6137.89	-1.278e+04
		1359.60	1.179e+04	0.12	0.0	68.3	-512.84	76.26	32.84	5.27	-3894.11	-7564.97
62	45	-8418.28	-1.591e+04	-0.05	0.0	136.7	-470.95	76.26	32.84	5.27	-1650.34	-2353.53
		-1.325e+04	-5.551e+04	-0.16	0.0	0.0	-831.23	40.00	80.69	40.70	-1.585e+04	-5869.88
62	59	-2.087e+04	-978.79	-0.13	0.0	68.3	-776.76	40.00	80.69	40.70	-1.033e+04	-3136.36
		-2.507e+04	-2241.29	-4.31e-03	0.0	136.7	-722.30	40.00	80.69	40.70	-4817.49	-402.84
62	62	2.052e+04	-3132.77	0.14	0.0	0.0	-882.56	78.35	78.23	38.37	-1.511e+04	-1.202e+04
		1.318e+04	-1.153e+04	-0.04	0.0	68.3	-828.10	78.35	78.23	38.37	-9761.37	-6670.47
62	76	3788.89	1.458e+04	0.03	0.0	136.7	-773.64	78.35	78.23	38.37	-4415.54	-1316.83
		-2457.68	4032.52	0.04	0.0	0.0	-979.97	-56.37	-19.92	15.63	3025.19	-4.484e+04
62	77	-4135.70	-8144.08	-0.02	0.0	68.3	-938.08	-56.37	-19.92	15.63	1656.65	-4.390e+04
		-9428.64	-2.835e+04	-0.08	0.0	136.7	-896.18	-56.37	-19.92	15.63	288.11	-4.295e+04
62	87	-668.88	-2240.28	-2.29e-03	0.0	0.0	-10.86	140.81	90.59	22.50	-1.680e+04	3.295e+04
		-4181.66	-7282.24	-0.02	0.0	68.3	31.03	140.81	90.59	22.50	-1.060e+04	3.778e+04
62	89	-1539.35	-1857.47	2.20e-03	0.0	136.7	72.93	140.81	90.59	22.50	-4399.67	4.261e+04
		-1.004e+04	-6579.14	-0.02	0.0	0.0	-364.78	56.92	-219.59	-84.44	4.174e+04	1359.60
62	90	-1333.55	-2471.02	2.09e-03	0.0	68.3	-322.89	56.92	-219.59	-84.44	2.676e+04	4715.54
		-1.012e+04	-8631.94	-0.03	0.0	136.7	-280.99	56.92	-219.59	-84.44	1.179e+04	8071.47
62	91	-257.29	-3467.38	-2.58e-03	0.0	0.0	-626.05	27.51	290.26	122.57	-5.551e+04	-1.325e+04
		-4340.96	-1.139e+04	-0.03	0.0	68.3	-584.16	27.51	290.26	122.57	-3.571e+04	-1.083e+04
62	93	-866.62	-3199.41	1.09e-03	0.0	136.7	-542.26	27.51	290.26	122.57	-1.591e+04	-8418.28
		-8443.77	-1.090e+04	-0.03	0.0	0.0	-729.27	-7.23	9.31	18.69	-2241.29	-2.507e+04
62	98	87.74	-2170.63	2.52e-03	0.0	68.3	-687.37	-7.23	9.31	18.69	-1610.04	-2.297e+04
					0.0	136.7	-645.48	-7.23	9.31	18.69	-978.79	-2.087e+04
62					0.0	0.0	-261.57	91.67	61.36	19.44	-1.153e+04	1.318e+04
					0.0	68.3	-219.67	91.67	61.36	19.44	-7330.73	1.685e+04
62					0.0	136.7	-177.78	91.67	61.36	19.44	-3132.77	2.052e+04
					0.0	0.0	-432.41	49.28	-77.43	-26.79	1.458e+04	-2457.68
62					0.0	68.3	-390.52	49.28	-77.43	-26.79	9304.82	665.61
					0.0	136.7	-348.62	49.28	-77.43	-26.79	4032.52	3788.89
62					0.0	0.0	-558.42	35.15	148.11	64.92	-2.835e+04	-9428.64
					0.0	68.3	-516.53	35.15	148.11	64.92	-1.825e+04	-6782.17
62					0.0	136.7	-474.63	35.15	148.11	64.92	-8144.08	-4135.70
					0.0	0.0	-486.02	25.70	36.89	12.76	-7282.24	-4181.66
62					0.0	68.3	-444.13	25.70	36.89	12.76	-4761.26	-2425.27
					0.0	136.7	-402.23	25.70	36.89	12.76	-2240.28	-668.88
62					0.0	0.0	-534.91	62.22	34.55	10.54	-6579.14	-1.004e+04
					0.0	68.3	-493.02	62.22	34.55	10.54	-4218.31	-5791.08
62					0.0	136.7	-451.12	62.22	34.55	10.54	-1857.47	-1539.35
					0.0	0.0	-598.61	64.31	45.08	18.82	-8631.94	-1.012e+04
62					0.0	68.3	-556.71	64.31	45.08	18.82	-5551.48	-5728.01
					0.0	136.7	-514.82	64.31	45.08	18.82	-2471.02	-1333.55
62					0.0	0.0	-613.41	29.88	57.95	29.32	-1.139e+04	-4340.96
					0.0	68.3	-571.52	29.88	57.95	29.32	-7427.61	-2299.12
62					0.0	136.7	-529.62	29.88	57.95	29.32	-3467.38	-257.29
					0.0	0.0	-647.64	55.44	56.31	27.76	-1.090e+04	-8443.77
62					0.0	68.3	-605.74	55.44	56.31	27.76	-7047.54	-4655.19
					0.0	136.7	-563.85	55.44	56.31	27.76	-3199.41	-866.62
62					0.0	0.0	-480.75	31.26	36.04	19.73	-7095.92	-4184.81
					0.0							

		-4184.81	-7095.92	-0.02	0.0	68.3	-438.85	31.26	36.04	19.73	-4633.27	-2048.54
						136.7	-396.96	31.26	36.04	19.73	-2170.63	87.74
62	99	-347.50	-1979.22	4.63e-03	0.0	0.0	-505.20	49.52	34.87	18.62	-6744.37	-7115.39
		-7115.39	-6744.37	-0.02	0.0	68.3	-463.30	49.52	34.87	18.62	-4361.79	-3731.44
						136.7	-421.41	49.52	34.87	18.62	-1979.22	-347.50
62	100	170.05	-2416.04	2.46e-03	0.0	0.0	-506.23	32.10	40.25	23.04	-7917.04	-4216.67
		-4216.67	-7917.04	-0.02	0.0	68.3	-464.33	32.10	40.25	23.04	-5166.54	-2023.31
						136.7	-422.44	32.10	40.25	23.04	-2416.04	170.05
62	102	-91.09	-2301.20	3.73e-03	0.0	0.0	-520.90	43.05	39.55	22.38	-7706.11	-5975.02
		-5975.02	-7706.11	-0.02	0.0	68.3	-479.00	43.05	39.55	22.38	-5003.66	-3033.05
						136.7	-437.11	43.05	39.55	22.38	-2301.20	-91.09
62	105	87.74	-2170.63	2.52e-03	0.0	0.0	-480.75	31.26	36.04	19.73	-7095.92	-4184.81
		-4184.81	-7095.92	-0.02	0.0	68.3	-438.85	31.26	36.04	19.73	-4633.27	-2048.54
						136.7	-396.96	31.26	36.04	19.73	-2170.63	87.74
62	106	-173.40	-2055.78	3.78e-03	0.0	0.0	-495.42	42.22	35.34	19.07	-6884.99	-5943.16
		-5943.16	-6884.99	-0.02	0.0	68.3	-453.52	42.22	35.34	19.07	-4470.39	-3058.28
						136.7	-411.63	42.22	35.34	19.07	-2055.78	-173.40
63	4	5573.70	3362.62	-2.41e-03	0.0	0.0	-848.22	-23.37	13.85	-1.04	-2316.55	5573.70
		-4008.46	-2316.55	-0.03	0.0	205.0	-684.84	-23.37	13.85	-1.04	523.03	782.62
						410.0	-521.45	-23.37	13.85	-1.04	3362.62	-4008.46
63	5	792.15	2920.97	-0.01	0.0	0.0	-585.67	0.45	13.67	-10.53	-2683.80	606.46
		606.46	-2683.80	-0.02	0.0	205.0	-459.99	0.45	13.67	-10.53	118.58	699.30
						410.0	-334.31	0.45	13.67	-10.53	2920.97	792.15
63	16	1378.84	5071.65	-0.02	0.0	0.0	-892.32	0.80	22.89	-16.18	-4314.03	1049.03
		1049.03	-4314.03	-0.04	0.0	205.0	-728.94	0.80	22.89	-16.18	378.81	1213.94
						410.0	-565.55	0.80	22.89	-16.18	5071.65	1378.84
63	18	3237.19	4621.56	-0.02	0.0	0.0	-919.20	-10.00	19.98	-14.44	-3568.26	3237.19
		-862.08	-3568.26	-0.04	0.0	205.0	-755.81	-10.00	19.98	-14.44	526.65	1187.56
						410.0	-592.42	-10.00	19.98	-14.44	4621.56	-862.08
63	27	8.507e+04	4041.23	-0.82	0.0	0.0	46.18	350.23	18.85	-11.27	-3690.27	-5.924e+04
		-5.924e+04	-3690.27	-0.04	0.0	205.0	171.86	350.23	18.85	-11.27	175.48	1.292e+04
						410.0	297.54	350.23	18.85	-11.27	4041.23	8.507e+04
63	28	6.362e+04	1532.81	-0.62	0.0	0.0	372.24	261.82	7.14	-82.28	-1396.25	-4.436e+04
		-4.436e+04	-1396.25	-0.01	0.0	205.0	497.92	261.82	7.14	-82.28	68.28	9626.55
						410.0	623.61	261.82	7.14	-82.28	1532.81	6.362e+04
63	29	5.129e+04	956.23	0.64	0.0	0.0	-1326.69	-294.54	4.29	100.66	-803.11	5.129e+04
		-7.010e+04	-803.11	1.31e-03	0.0	205.0	-1201.01	-294.54	4.29	100.66	76.56	-9407.96
						410.0	-1075.32	-294.54	4.29	100.66	956.23	-7.010e+04
63	30	6.617e+04	1490.91	0.84	0.0	0.0	-1000.63	-382.95	-7.42	29.64	1490.91	6.617e+04
		-9.156e+04	-1552.19	0.03	0.0	205.0	-874.94	-382.95	-7.42	29.64	-30.64	-1.270e+04
						410.0	-749.26	-382.95	-7.42	29.64	-1552.19	-9.156e+04
63	51	4.793e+04	6396.58	-0.48	0.0	0.0	-863.99	194.72	29.83	95.79	-5837.19	-3.221e+04
		-3.221e+04	-5837.19	-0.06	0.0	205.0	-738.31	194.72	29.83	95.79	279.69	7861.62
						410.0	-612.63	194.72	29.83	95.79	6396.58	4.793e+04
63	59	3.934e+04	2601.10	-0.39	0.0	0.0	-224.71	160.78	12.09	0.60	-2354.81	-2.697e+04
		-2.697e+04	-2354.81	-0.02	0.0	205.0	-99.03	160.78	12.09	0.60	123.14	6184.96
						410.0	26.65	160.78	12.09	0.60	2601.10	3.934e+04
63	60	2.900e+04	1372.82	-0.29	0.0	0.0	-66.34	118.15	6.36	-31.24	-1233.43	-1.978e+04
		-1.978e+04	-1233.43	-8.65e-03	0.0	205.0	59.34	118.15	6.36	-31.24	69.70	4609.83
						410.0	185.03	118.15	6.36	-31.24	1372.82	2.900e+04
63	61	2.671e+04	1116.23	0.31	0.0	0.0	-888.11	-150.87	5.08	49.62	-965.93	2.671e+04
		-3.549e+04	-965.93	-2.76e-03	0.0	205.0	-762.43	-150.87	5.08	49.62	75.15	-4391.24
						410.0	-636.74	-150.87	5.08	49.62	1116.23	-3.549e+04
63	62	3.390e+04	155.45	0.41	0.0	0.0	-729.74	-193.49	-0.65	17.77	155.45	3.390e+04
		-4.583e+04	-112.05	0.01	0.0	205.0	-604.06	-193.49	-0.65	17.77	21.70	-5966.37
						410.0	-478.37	-193.49	-0.65	17.77	-112.05	-4.583e+04
63	83	2.141e+04	3754.88	-0.23	0.0	0.0	-665.65	85.47	17.46	48.50	-3403.60	-1.380e+04
		-1.380e+04	-3403.60	-0.03	0.0	205.0	-539.97	85.47	17.46	48.50	175.64	3806.23
						410.0	-414.29	85.47	17.46	48.50	3754.88	2.141e+04
63	87	1438.91	2439.17	-7.14e-03	0.0	0.0	-552.03	-4.53	11.42	-3.96	-2244.85	1438.91
		-417.98	-2244.85	-0.02	0.0	205.0	-426.35	-4.53	11.42	-3.96	97.16	510.46
						410.0	-300.67	-4.53	11.42	-3.96	2439.17	-417.98
63	90	4005.42	2390.67	-1.50e-03	0.0	0.0	-623.02	-16.94	9.98	0.30	-1701.34	4005.42
		-2941.41	-1701.34	-0.02	0.0	205.0	-497.34	-16.94	9.98	0.30	344.67	532.01
						410.0	-371.65	-16.94	9.98	0.30	2390.67	-2941.41
63	95	988.98	3530.03	-0.02	0.0	0.0	-652.42	-0.83	16.01	-9.79	-3032.99	988.98
		650.12	-3032.99	-0.03	0.0	205.0	-526.74	-0.83	16.01	-9.79	248.52	819.55
						410.0	-401.05	-0.83	16.01	-9.79	3530.03	650.12
63	97	2447.75	3229.97	-0.01	0.0	0.0	-670.33	-8.03	14.06	-8.63	-2535.81	2447.75
		-843.82	-2535.81	-0.03	0.0	205.0	-544.65	-8.03	14.06	-8.63	347.08	801.96
						410.0	-418.97	-8.03	14.06	-8.63	3229.97	-843.82
63	98	2837.64	1373.12	6.71e-03	0.0	0.0	-469.55	-13.27	6.55	8.69	-1312.75	2837.64
		-2603.97	-1312.75	-4.81e-03	0.0	205.0	-343.86	-13.27	6.55	8.69	30.18	116.83
						410.0	-218.18	-13.27	6.55	8.69	1373.12	-2603.97
63	99	3879.62	1158.79	9.87e-03	0.0	0.0	-482.34	-18.42	5.16	9.52	-957.63	3879.62
		-3671.08	-957.63	-6.11e-03	0.0	205.0	-356.66	-18.42	5.16	9.52	100.58	104.27
						410.0	-230.98	-18.42	5.16	9.52	1158.79	-3671.08

63	103	2371.40	1728.47	2.11e-03	0.0	0.0	-497.04	-10.36	8.18	4.47	-1623.45	2371.40
		-1875.31	-1623.45	-8.60e-03	0.0	205.0	-371.36	-10.36	8.18	4.47	52.51	248.04
						410.0	-245.68	-10.36	8.18	4.47	1728.47	-1875.31
63	104	2996.58	1599.87	4.00e-03	0.0	0.0	-504.72	-13.44	7.34	4.97	-1410.38	2996.58
		-2515.57	-1410.38	-9.47e-03	0.0	205.0	-379.04	-13.44	7.34	4.97	94.75	240.51
						410.0	-253.36	-13.44	7.34	4.97	1599.87	-2515.57
63	105	2837.64	1373.12	6.71e-03	0.0	0.0	-469.55	-13.27	6.55	8.69	-1312.75	2837.64
		-2603.97	-1312.75	-4.81e-03	0.0	205.0	-343.86	-13.27	6.55	8.69	30.18	116.83
						410.0	-218.18	-13.27	6.55	8.69	1373.12	-2603.97
63	106	3462.83	1244.52	8.61e-03	0.0	0.0	-477.22	-16.36	5.72	9.19	-1099.68	3462.83
		-3244.23	-1099.68	-5.59e-03	0.0	205.0	-351.54	-16.36	5.72	9.19	72.42	109.30
						410.0	-225.86	-16.36	5.72	9.19	1244.52	-3244.23
64	4	5.062e+04	6922.02	-0.04	0.0	0.0	-1216.01	-196.52	-29.05	-6.97	6922.02	5.062e+04
		-2.995e+04	-4988.77	-0.03	0.0	205.0	-1052.62	-196.52	-29.05	-6.97	966.62	1.034e+04
						410.0	-889.24	-196.52	-29.05	-6.97	-4988.77	-2.995e+04
64	11	4.440e+04	6746.50	-0.04	0.0	0.0	-1453.06	-196.88	-31.85	-4.95	6746.50	4.440e+04
		-3.632e+04	-6310.22	-0.03	0.0	205.0	-1289.67	-196.88	-31.85	-4.95	218.14	4043.20
						410.0	-1126.28	-196.88	-31.85	-4.95	-6310.22	-3.632e+04
64	19	6634.66	1435.78	-0.10	0.0	0.0	-694.31	-33.86	-4.00	-34.81	1435.78	6634.66
		-7249.73	-202.71	-0.03	0.0	205.0	-568.63	-33.86	-4.00	-34.81	616.53	-307.54
						410.0	-442.95	-33.86	-4.00	-34.81	-202.71	-7249.73
64	26	8.683e+04	4408.58	0.68	0.0	0.0	-1134.08	-422.53	-19.56	25.47	4408.58	8.683e+04
		-8.898e+04	-3610.12	0.03	0.0	205.0	-1008.40	-422.53	-19.56	25.47	399.23	-1075.02
						410.0	-882.71	-422.53	-19.56	25.47	-3610.12	-8.898e+04
64	28	3.563e+04	8178.36	-0.86	0.0	0.0	-257.69	138.03	-39.74	-89.44	8178.36	-2.099e+04
		-2.099e+04	-8120.84	-0.01	0.0	205.0	-132.01	138.03	-39.74	-89.44	28.76	7323.06
						410.0	-6.33	138.03	-39.74	-89.44	-8120.84	3.563e+04
64	29	6.618e+04	1894.68	0.89	0.0	0.0	-1255.79	-335.15	-6.06	107.51	1894.68	6.618e+04
		-7.126e+04	-585.93	-2.75e-03	0.0	205.0	-1130.11	-335.15	-6.06	107.51	654.37	-2543.24
						410.0	-1004.42	-335.15	-6.06	107.51	-585.93	-7.126e+04
64	30	8.554e+04	4751.58	0.68	0.0	0.0	-1132.53	-420.35	-21.39	33.01	4751.58	8.554e+04
		-8.910e+04	-4017.94	0.03	0.0	205.0	-1006.85	-420.35	-21.39	33.01	366.82	-1783.16
						410.0	-881.16	-420.35	-21.39	33.01	-4017.94	-8.910e+04
64	54	6.816e+04	1.096e+04	-0.18	0.0	0.0	-640.76	-302.45	-54.64	-76.91	1.096e+04	6.816e+04
		-6.053e+04	-1.144e+04	0.05	0.0	205.0	-515.08	-302.45	-54.64	-76.91	-239.96	3812.62
						410.0	-389.40	-302.45	-54.64	-76.91	-1.144e+04	-6.053e+04
64	58	5.380e+04	4741.29	0.34	0.0	0.0	-938.59	-255.32	-21.34	16.10	4741.29	5.380e+04
		-5.205e+04	-4005.97	9.82e-03	0.0	205.0	-812.90	-255.32	-21.34	16.10	367.66	874.66
						410.0	-687.22	-255.32	-21.34	16.10	-4005.97	-5.205e+04
64	60	7958.51	6558.19	-0.41	0.0	0.0	-516.84	15.74	-31.07	-33.41	6558.19	1431.19
		1431.19	-6181.22	-8.97e-03	0.0	205.0	-391.16	15.74	-31.07	-33.41	188.48	4694.85
						410.0	-265.48	15.74	-31.07	-33.41	-6181.22	7958.51
64	61	4.376e+04	3514.85	0.43	0.0	0.0	-996.64	-212.86	-14.74	51.48	3514.85	4.376e+04
		-4.359e+04	-2525.55	-4.21e-03	0.0	205.0	-870.96	-212.86	-14.74	51.48	494.65	84.97
						410.0	-745.27	-212.86	-14.74	51.48	-2525.55	-4.359e+04
64	62	5.324e+04	4909.49	0.33	0.0	0.0	-937.98	-254.23	-22.23	19.27	4909.49	5.324e+04
		-5.209e+04	-4205.71	0.01	0.0	205.0	-812.30	-254.23	-22.23	19.27	351.89	571.05
						410.0	-686.62	-254.23	-22.23	19.27	-4205.71	-5.209e+04
64	86	4.484e+04	7916.10	-0.08	0.0	0.0	-701.60	-197.35	-38.34	-28.24	7916.10	4.484e+04
		-3.818e+04	-7807.39	0.02	0.0	205.0	-575.92	-197.35	-38.34	-28.24	54.36	3333.18
						410.0	-450.24	-197.35	-38.34	-28.24	-7807.39	-3.818e+04
64	90	3.551e+04	5207.57	-0.02	0.0	0.0	-900.54	-139.80	-22.09	-3.71	5207.57	3.551e+04
		-2.180e+04	-3848.88	-0.02	0.0	205.0	-774.86	-139.80	-22.09	-3.71	679.34	6855.10
						410.0	-649.18	-139.80	-22.09	-3.71	-3848.88	-2.180e+04
64	93	3.137e+04	5090.55	-0.02	0.0	0.0	-1058.57	-140.04	-23.95	-2.36	5090.55	3.137e+04
		-2.605e+04	-4729.85	-0.02	0.0	205.0	-932.89	-140.04	-23.95	-2.36	180.35	2659.72
						410.0	-807.21	-140.04	-23.95	-2.36	-4729.85	-2.605e+04
64	94	1.030e+04	2499.92	-0.06	0.0	0.0	-725.63	-51.57	-10.03	-20.35	2499.92	1.030e+04
		-1.084e+04	-1612.98	-0.02	0.0	205.0	-599.94	-51.57	-10.03	-20.35	443.47	-270.93
						410.0	-474.26	-51.57	-10.03	-20.35	-1612.98	-1.084e+04
64	99	2.674e+04	5343.30	0.01	0.0	0.0	-757.49	-110.29	-23.76	9.63	5343.30	2.674e+04
		-1.848e+04	-4397.25	-6.36e-03	0.0	205.0	-631.81	-110.29	-23.76	9.63	473.03	4128.40
						410.0	-506.13	-110.29	-23.76	9.63	-4397.25	-1.848e+04
64	102	2.342e+04	5173.78	0.01	0.0	0.0	-820.40	-105.70	-24.16	9.93	5173.78	2.342e+04
		-1.991e+04	-4732.09	-5.82e-03	0.0	205.0	-694.72	-105.70	-24.16	9.93	220.85	1754.85
						410.0	-569.04	-105.70	-24.16	9.93	-4732.09	-1.991e+04
64	103	1.517e+04	4161.06	-4.27e-03	0.0	0.0	-749.61	-75.09	-19.30	2.44	4161.06	1.517e+04
		-1.562e+04	-3752.67	-8.63e-03	0.0	205.0	-623.93	-75.09	-19.30	2.44	204.19	-228.44
						410.0	-498.25	-75.09	-19.30	2.44	-3752.67	-1.562e+04
64	105	1.638e+04	4576.34	0.01	0.0	0.0	-755.61	-80.97	-21.62	8.13	4576.34	1.638e+04
		-1.682e+04	-4287.60	-4.58e-03	0.0	205.0	-629.93	-80.97	-21.62	8.13	144.37	-217.82
						410.0	-504.25	-80.97	-21.62	8.13	-4287.60	-1.682e+04
64	106	2.260e+04	5036.52	0.01	0.0	0.0	-756.74	-98.56	-22.90	9.03	5036.52	2.260e+04
		-1.782e+04	-4353.39	-5.56e-03	0.0	205.0	-631.06	-98.56	-22.90	9.03	341.57	2389.91
						410.0	-505.37	-98.56	-22.90	9.03	-4353.39	-1.782e+04
65	4	1.019e+04	8621.34	-0.25	0.0	0.0	-1049.71	-69.58	69.32	4.97	-1.980e+04	1.019e+04
		-1.833e+04	-1.980e+04	-0.03	0.0	205.0	-886.32	-69.58	69.32	4.97	-5589.29	-4069.35

					410.0	-722.93	-69.58	69.32	4.97	8621.34-1.833e+04		
65	9	1.217e+04	6036.45	-0.28	0.0	0.0	-1323.17	-90.23	33.71	-4.09	-7785.05	1.217e+04
		-2.483e+04	-7785.05	-0.03	0.0	205.0	-1159.78	-90.23	33.71	-4.09	-874.30	-6331.01
						410.0	-996.39	-90.23	33.71	-4.09	6036.45-2.483e+04	
65	11	1.185e+04	8645.06	-0.26	0.0	0.0	-1297.24	-92.76	61.49	2.77	-1.657e+04	1.185e+04
		-2.618e+04	-1.657e+04	-0.03	0.0	205.0	-1133.85	-92.76	61.49	2.77	-3960.63	-7163.82
						410.0	-970.47	-92.76	61.49	2.77	8645.06-2.618e+04	
65	16	1.243e+04	3932.64	-0.42	0.0	0.0	-973.86	-46.92	26.49	-11.59	-6929.31	1.243e+04
		-6813.33	-6929.31	-0.04	0.0	205.0	-810.47	-46.92	26.49	-11.59	-1498.34	2806.01
						410.0	-647.09	-46.92	26.49	-11.59	3932.64	-6813.33
65	21	8868.10	4013.87	-0.39	0.0	0.0	-444.58	-5.79	42.22	-6.58	-1.330e+04	8868.10
		6495.02-1.330e+04		-0.04	0.0	205.0	-318.90	-5.79	42.22	-6.58	-4641.82	7681.56
						410.0	-193.22	-5.79	42.22	-6.58	4013.87	6495.02
65	33	1.128e+05	6669.00	1.31	0.0	0.0	-1299.49	-569.58	38.39	220.60	-1.008e+04	1.128e+05
		-1.210e+05	-1.008e+04	0.02	0.0	205.0	-1173.81	-569.58	38.39	220.60	-1706.90	-4114.54
						410.0	-1048.12	-569.58	38.39	220.60	6669.00-1.210e+05	
65	35	4.580e+04	3556.50	-0.82	0.0	0.0	143.21	258.20	26.60	-108.00	-6786.19-6.024e+04	
		-6.024e+04	-6786.19	-0.06	0.0	205.0	268.89	258.20	26.60	-108.00	-1614.84	-7217.70
						410.0	394.57	258.20	26.60	-108.00	3556.50	4.580e+04
65	37	1.099e+05	6664.14	1.28	0.0	0.0	-1280.07	-556.09	38.62	211.40	-1.015e+04	1.099e+05
		-1.183e+05	-1.015e+04	0.02	0.0	205.0	-1154.38	-556.09	38.62	211.40	-1741.99	-4191.99
						410.0	-1028.70	-556.09	38.62	211.40	6664.14-1.183e+05	
65	38	6.978e+04	5766.16	0.79	0.0	0.0	-1669.58	-364.98	34.98	118.90	-9140.76	6.978e+04
		-8.004e+04	-9140.76	0.05	0.0	205.0	-1543.90	-364.98	34.98	118.90	-1687.30	-5133.35
						410.0	-1418.21	-364.98	34.98	118.90	5766.16-8.004e+04	
65	57	5.297e+04	5417.25	0.58	0.0	0.0	-955.50	-284.71	34.49	60.74	-8985.18	5.297e+04
		-6.381e+04	-8985.18	0.01	0.0	205.0	-829.82	-284.71	34.49	60.74	-1783.97	-5420.08
						410.0	-704.14	-284.71	34.49	60.74	5417.25-6.381e+04	
65	65	5.307e+04	5582.49	0.58	0.0	0.0	-1011.57	-283.90	34.39	98.10	-8998.00	5.307e+04
		-6.347e+04	-8998.00	0.01	0.0	205.0	-885.89	-283.90	34.39	98.10	-1707.75	-5195.91
						410.0	-760.20	-283.90	34.39	98.10	5582.49-6.347e+04	
65	67	1.118e+04	4170.56	-0.38	0.0	0.0	-340.84	86.89	28.85	-43.27	-7402.11	-2.455e+04
		-2.455e+04	-7402.11	-0.03	0.0	205.0	-215.15	86.89	28.85	-43.27	-1615.77	-6687.30
						410.0	-89.47	86.89	28.85	-43.27	4170.56	1.118e+04
65	70	3.409e+04	5152.10	0.35	0.0	0.0	-1185.53	-193.66	32.74	54.17	-8524.85	3.409e+04
		-4.542e+04	-8524.85	0.02	0.0	205.0	-1059.85	-193.66	32.74	54.17	-1686.38	-5663.75
						410.0	-934.17	-193.66	32.74	54.17	5152.10-4.542e+04	
65	77	4.994e+04	5593.46	0.53	0.0	0.0	-589.62	-268.45	34.19	105.52	-8945.04	4.994e+04
		-6.021e+04	-8945.04	-0.02	0.0	205.0	-463.94	-268.45	34.19	105.52	-1675.79	-5133.71
						410.0	-338.26	-268.45	34.19	105.52	5593.46-6.021e+04	
65	85	4.579e+04	5586.83	0.48	0.0	0.0	-554.97	-248.56	34.60	93.12	-9047.03	4.579e+04
		-5.622e+04	-9047.03	-0.02	0.0	205.0	-429.28	-248.56	34.60	93.12	-1730.10	-5218.05
						410.0	-303.60	-248.56	34.60	93.12	5586.83-5.622e+04	
65	90	7356.56	6199.40	-0.17	0.0	0.0	-790.63	-52.21	48.89	3.76	-1.384e+04	7356.56
		-1.405e+04	-1.384e+04	-0.02	0.0	205.0	-664.95	-52.21	48.89	3.76	-3822.76	-3346.01
						410.0	-539.27	-52.21	48.89	3.76	6199.40-1.405e+04	
65	91	8671.81	4476.15	-0.19	0.0	0.0	-972.94	-65.98	25.15	-2.28	-5835.01	8671.81
		-1.838e+04	-5835.01	-0.02	0.0	205.0	-847.26	-65.98	25.15	-2.28	-679.43	-4853.78
						410.0	-721.57	-65.98	25.15	-2.28	4476.15-1.838e+04	
65	93	8461.95	6215.21	-0.18	0.0	0.0	-955.65	-67.66	43.67	2.29	-1.169e+04	8461.95
		-1.928e+04	-1.169e+04	-0.02	0.0	205.0	-829.97	-67.66	43.67	2.29	-2736.98	-5408.99
						410.0	-704.29	-67.66	43.67	2.29	6215.21-1.928e+04	
65	95	8844.26	3073.60	-0.28	0.0	0.0	-740.07	-37.11	20.34	-7.28	-5264.52	8844.26
		-6369.13	-5264.52	-0.02	0.0	205.0	-614.39	-37.11	20.34	-7.28	-1095.46	1237.56
						410.0	-488.70	-37.11	20.34	-7.28	3073.60	-6369.13
65	96	7618.95	4051.54	-0.27	0.0	0.0	-565.17	-22.61	36.14	-3.20	-1.077e+04	7618.95
		-1652.38-1.077e+04		-0.03	0.0	205.0	-439.49	-22.61	36.14	-3.20	-3356.97	2983.28
						410.0	-313.80	-22.61	36.14	-3.20	4051.54	-1652.38
65	99	4709.17	5158.21	-0.01	0.0	0.0	-758.25	-53.87	36.08	6.76	-9636.10	4709.17
		-1.738e+04	-9636.10	0.01	0.0	205.0	-632.56	-53.87	36.08	6.76	-2238.95	-6334.15
						410.0	-506.88	-53.87	36.08	6.76	5158.21-1.738e+04	
65	100	5265.25	4220.47	-0.02	0.0	0.0	-833.64	-59.14	23.94	3.69	-5595.83	5265.25
		-1.898e+04	-5595.83	-5.11e-03	0.0	205.0	-707.96	-59.14	23.94	3.69	-687.68	-6857.95
						410.0	-582.27	-59.14	23.94	3.69	4220.47-1.898e+04	
65	102	5175.31	4965.78	-0.02	0.0	0.0	-826.23	-59.86	31.88	5.65	-8104.76	5175.31
		-1.937e+04	-8104.76	8.62e-03	0.0	205.0	-700.55	-59.86	31.88	5.65	-1569.49	-7095.89
						410.0	-574.87	-59.86	31.88	5.65	4965.78-1.937e+04	
65	103	5453.02	3595.31	-0.07	0.0	0.0	-732.96	-46.32	21.81	1.24	-5345.90	5453.02
		-1.354e+04	-5345.90	-8.22e-03	0.0	205.0	-607.28	-46.32	21.81	1.24	-875.30	-4042.37
						410.0	-481.60	-46.32	21.81	1.24	3595.31-1.354e+04	
65	104	5363.08	4340.62	-0.07	0.0	0.0	-725.56	-47.04	29.75	3.20	-7854.83	5363.08
		-1.392e+04	-7854.83	-8.97e-03	0.0	205.0	-599.87	-47.04	29.75	3.20	-1757.10	-4280.31
						410.0	-474.19	-47.04	29.75	3.20	4340.62-1.392e+04	
65	105	4859.07	3916.02	-0.02	0.0	0.0	-770.59	-52.67	22.86	3.49	-5454.55	4859.07
		-1.673e+04	-5454.55	4.75e-03	0.0	205.0	-644.91	-52.67	22.86	3.49	-769.27	-5937.58
						410.0	-519.23	-52.67	22.86	3.49	3916.02-1.673e+04	
65	106	4769.13	4661.33	-0.01	0.0	0.0	-763.18	-53.39	30.79	5.45	-7963.48	4769.13

		-1.712e+04	-7963.48	8.87e-03	0.0	205.0	-637.50	-53.39	30.79	5.45	-1651.07	-6175.53
						410.0	-511.82	-53.39	30.79	5.45	4661.33	-1.712e+04
66	4	5.256e+04	4.189e+04	-0.22	0.0	0.0	-4244.46	231.33	-285.41	35.02	4.189e+04	-1.916e+04
		-1.916e+04	-4.658e+04	-0.03	0.0	155.0	-4120.92	231.33	-285.41	35.02	-2344.64	1.670e+04
						310.0	-3997.39	231.33	-285.41	35.02	-4.658e+04	5.256e+04
66	7	4.178e+04	3.492e+04	-0.20	0.0	0.0	-2375.28	169.79	-202.86	38.10	3.492e+04	-1.085e+04
		-1.085e+04	-2.796e+04	-0.03	0.0	155.0	-2280.25	169.79	-202.86	38.10	3479.40	1.546e+04
						310.0	-2185.22	169.79	-202.86	38.10	-2.796e+04	4.178e+04
66	9	6.202e+04	1.885e+04	-0.25	0.0	0.0	-5255.54	297.75	-225.42	26.72	1.885e+04	-3.028e+04
		-3.028e+04	-5.103e+04	0.05	0.0	155.0	-5132.00	297.75	-225.42	26.72	-1.609e+04	1.587e+04
						310.0	-5008.46	297.75	-225.42	26.72	-5.103e+04	6.202e+04
66	11	5.992e+04	3.755e+04	-0.24	0.0	0.0	-5253.73	276.55	-299.55	31.18	3.755e+04	-2.581e+04
		-2.581e+04	-5.531e+04	-0.02	0.0	155.0	-5130.19	276.55	-299.55	31.18	-8879.89	1.706e+04
						310.0	-5006.66	276.55	-299.55	31.18	-5.531e+04	5.992e+04
66	16	7.803e+04	1.547e+04	-0.37	0.0	0.0	-4260.90	349.85	-181.97	51.51	1.547e+04	-3.042e+04
		-3.042e+04	-4.095e+04	0.04	0.0	155.0	-4137.36	349.85	-181.97	51.51	-1.274e+04	2.381e+04
						310.0	-4013.82	349.85	-181.97	51.51	-4.095e+04	7.803e+04
66	31	1.257e+05	3.570e+04	-0.66	0.0	0.0	-2778.18	764.48	-264.10	-113.43	3.570e+04	-1.114e+05
		-1.114e+05	-4.666e+04	0.19	0.0	155.0	-2683.15	764.48	-264.10	-113.43	-5482.48	7181.52
						310.0	-2588.12	764.48	-264.10	-113.43	-4.666e+04	1.257e+05
66	32	2.071e+05	5.904e+04	-1.12	0.0	0.0	-2617.68	1267.75	-422.46	-240.00	5.904e+04	-1.861e+05
		-1.861e+05	-7.264e+04	0.39	0.0	155.0	-2522.66	1267.75	-422.46	-240.00	-6799.46	1.053e+04
						310.0	-2427.63	1267.75	-422.46	-240.00	-7.264e+04	2.071e+05
66	34	9.356e+04	477.68	0.63	0.0	0.0	-2068.49	-636.69	27.69	110.49	-8593.20	9.356e+04
		-1.039e+05	-8593.20	-0.21	0.0	155.0	-1973.47	-636.69	27.69	110.49	-4057.76	-5191.35
						310.0	-1878.44	-636.69	27.69	110.49	477.68	-1.039e+05
66	44	1.932e+05	6.260e+04	-1.05	0.0	0.0	-2238.22	1188.35	-449.66	-265.00	6.260e+04	-1.753e+05
		-1.753e+05	-7.735e+04	0.42	0.0	155.0	-2143.19	1188.35	-449.66	-265.00	-7376.35	8929.89
						310.0	-2048.17	1188.35	-449.66	-265.00	-7.735e+04	1.932e+05
66	64	9.872e+04	3.349e+04	-0.51	0.0	0.0	-2514.43	602.39	-250.37	-104.60	3.349e+04	-8.813e+04
		-8.813e+04	-4.450e+04	0.17	0.0	155.0	-2419.40	602.39	-250.37	-104.60	-5501.05	5295.13
						310.0	-2324.38	602.39	-250.37	-104.60	-4.450e+04	9.872e+04
66	75	2.723e+04	1180.48	0.21	0.0	0.0	-2595.65	-178.60	-33.38	66.26	1180.48	2.723e+04
		-2.817e+04	-9047.89	-0.11	0.0	155.0	-2500.62	-178.60	-33.38	66.26	-3933.70	-466.40
						310.0	-2405.59	-178.60	-33.38	66.26	-9047.89	-2.817e+04
66	76	9.186e+04	3.486e+04	-0.47	0.0	0.0	-2329.62	562.76	-261.77	-114.78	3.486e+04	-8.269e+04
		-8.269e+04	-4.660e+04	0.18	0.0	155.0	-2234.60	562.76	-261.77	-114.78	-5870.76	4582.22
						310.0	-2139.57	562.76	-261.77	-114.78	-4.660e+04	9.186e+04
66	78	4.996e+04	2.592e+04	-0.24	0.0	0.0	-2251.03	306.39	-203.03	-69.20	2.592e+04	-4.505e+04
		-4.505e+04	-3.714e+04	0.10	0.0	155.0	-2156.00	306.39	-203.03	-69.20	-5606.54	2456.57
						310.0	-2060.97	306.39	-203.03	-69.20	-3.714e+04	4.996e+04
66	89	3.197e+04	2.630e+04	-0.14	0.0	0.0	-2435.98	137.98	-170.09	24.37	2.630e+04	-1.080e+04
		-1.080e+04	-2.643e+04	-0.02	0.0	155.0	-2340.95	137.98	-170.09	24.37	-66.25	1.059e+04
						310.0	-2245.93	137.98	-170.09	24.37	-2.643e+04	3.197e+04
66	90	3.628e+04	2.874e+04	-0.15	0.0	0.0	-3108.31	162.07	-200.70	23.09	2.874e+04	-1.396e+04
		-1.396e+04	-3.347e+04	-0.02	0.0	155.0	-3013.28	162.07	-200.70	23.09	-2364.14	1.116e+04
						310.0	-2918.25	162.07	-200.70	23.09	-3.347e+04	3.628e+04
66	91	4.260e+04	1.338e+04	-0.17	0.0	0.0	-3782.36	206.35	-160.70	17.56	1.338e+04	-2.137e+04
		-2.137e+04	-3.643e+04	0.03	0.0	155.0	-3687.33	206.35	-160.70	17.56	-1.153e+04	1.061e+04
						310.0	-3592.31	206.35	-160.70	17.56	-3.643e+04	4.260e+04
66	93	4.120e+04	2.585e+04	-0.16	0.0	0.0	-3781.16	192.21	-210.13	20.53	2.585e+04	-1.839e+04
		-1.839e+04	-3.929e+04	-0.02	0.0	155.0	-3686.13	192.21	-210.13	20.53	-6720.97	1.140e+04
						310.0	-3591.10	192.21	-210.13	20.53	-3.929e+04	4.120e+04
66	95	5.327e+04	1.113e+04	-0.25	0.0	0.0	-3119.27	241.08	-131.74	34.09	1.113e+04	-2.147e+04
		-2.147e+04	-2.971e+04	0.03	0.0	155.0	-3024.24	241.08	-131.74	34.09	-9294.18	1.590e+04
						310.0	-2929.21	241.08	-131.74	34.09	-2.971e+04	5.327e+04
66	99	1.050e+04	1.711e+04	-0.01	0.0	0.0	-2422.99	59.85	-132.32	-0.62	1.711e+04	-8056.58
		-8056.58	-2.391e+04	-0.01	0.0	155.0	-2327.96	59.85	-132.32	-0.62	-3397.49	1220.70
						310.0	-2232.94	59.85	-132.32	-0.62	-2.391e+04	1.050e+04
66	100	1.322e+04	9187.97	-0.02	0.0	0.0	-2692.78	79.58	-109.27	-3.26	9187.97	-1.145e+04
		-1.145e+04	-2.468e+04	0.02	0.0	155.0	-2597.76	79.58	-109.27	-3.26	-7748.22	887.68
						310.0	-2502.73	79.58	-109.27	-3.26	-2.468e+04	1.322e+04
66	102	1.262e+04	1.453e+04	-0.02	0.0	0.0	-2692.27	73.53	-130.45	-1.98	1.453e+04	-1.017e+04
		-1.017e+04	-2.591e+04	0.01	0.0	155.0	-2597.24	73.53	-130.45	-1.98	-5689.28	1226.11
						310.0	-2502.21	73.53	-130.45	-1.98	-2.591e+04	1.262e+04
66	103	1.899e+04	8303.43	-0.06	0.0	0.0	-2428.47	99.36	-97.84	4.88	8303.43	-1.181e+04
		-1.181e+04	-2.203e+04	0.02	0.0	155.0	-2333.44	99.36	-97.84	4.88	-6862.51	3590.11
						310.0	-2238.41	99.36	-97.84	4.88	-2.203e+04	1.899e+04
66	105	1.150e+04	8209.48	-0.02	0.0	0.0	-2423.85	69.95	-97.02	-2.75	8209.48	-1.019e+04
		-1.019e+04	-2.187e+04	0.02	0.0	155.0	-2328.83	69.95	-97.02	-2.75	-6829.07	656.65
						310.0	-2233.80	69.95	-97.02	-2.75	-2.187e+04	1.150e+04
66	106	1.090e+04	1.355e+04	-0.02	0.0	0.0	-2423.34	63.89	-118.20	-1.47	1.355e+04	-8908.20
		-8908.20	-2.309e+04	0.01	0.0	155.0	-2328.31	63.89	-118.20	-1.47	-4770.12	995.08
						310.0	-2233.28	63.89	-118.20	-1.47	-2.309e+04	1.090e+04
67	5	1.814e+04	2.041e+04	-0.27	0.0	0.0	-772.60	-81.93	104.11	72.84	-1.187e+04	1.814e+04
		-7256.97	-1.187e+04	-0.06	0.0	155.0	-677.57	-81.93	104.11	72.84	4270.25	5441.97
						310.0	-582.54	-81.93	104.11	72.84	2.041e+04	-7256.97

67	11	1.617e+04	2.309e+04	-0.28	0.0	0.0	-1357.55	-154.56	112.44	78.98	-1.177e+04	1.617e+04
		-3.174e+04	-1.177e+04	-0.07	0.0	155.0	-1234.01	-154.56	112.44	78.98	5660.49	-7783.37
						310.0	-1110.47	-154.56	112.44	78.98	2.309e+04	-3.174e+04
67	16	3.006e+04	3.394e+04	-0.46	0.0	0.0	-1219.35	-144.93	170.92	120.70	-1.905e+04	3.006e+04
		-1.486e+04	-1.905e+04	-0.10	0.0	155.0	-1095.81	-144.93	170.92	120.70	7447.05	7599.07
						310.0	-972.28	-144.93	170.92	120.70	3.394e+04	-1.486e+04
67	18	2.943e+04	3.552e+04	-0.44	0.0	0.0	-1249.99	-149.23	171.19	127.61	-1.754e+04	2.943e+04
		-1.683e+04	-1.754e+04	-0.10	0.0	155.0	-1126.45	-149.23	171.19	127.61	8989.79	6303.31
						310.0	-1002.91	-149.23	171.19	127.61	3.552e+04	-1.683e+04
67	19	3.094e+04	3.317e+04	-0.44	0.0	0.0	-828.14	-100.86	164.84	121.05	-1.793e+04	3.094e+04
		-331.01	-1.793e+04	-0.09	0.0	155.0	-733.12	-100.86	164.84	121.05	7616.72	1.530e+04
						310.0	-638.09	-100.86	164.84	121.05	3.317e+04	-331.01
67	35	5648.15	3.947e+04	-0.80	0.0	0.0	-552.54	48.39	196.51	-110.59	-2.146e+04	-5.141e+04
		-5.141e+04	-2.146e+04	-0.12	0.0	155.0	-457.52	48.39	196.51	-110.59	9006.11	-2.288e+04
						310.0	-362.49	48.39	196.51	-110.59	3.947e+04	5648.15
67	38	4.887e+04	1.679e+04	0.77	0.0	0.0	-862.07	-161.18	-170.14	115.51	1.679e+04	4.887e+04
		-4.315e+04	-3.597e+04	0.10	0.0	155.0	-767.04	-161.18	-170.14	115.51	-9590.40	2860.20
						310.0	-672.01	-161.18	-170.14	115.51	-3.597e+04	-4.315e+04
67	45	-1.825e+04	1.861e+04	1.36	0.0	0.0	-1190.80	-256.79	94.91	242.97	-1.083e+04	-1.825e+04
		-7.583e+04	-1.083e+04	-0.05	0.0	155.0	-1095.77	-256.79	94.91	242.97	3889.27	4.704e+04
						310.0	-1000.74	-256.79	94.91	242.97	1.861e+04	-7.583e+04
67	52	3.133e+04	7556.74	-1.21	0.0	0.0	-136.27	139.40	-82.09	-218.25	7556.74	1.990e+04
		1.990e+04	-1.790e+04	0.06	0.0	155.0	-41.24	139.40	-82.09	-218.25	-5171.99	2.562e+04
						310.0	53.79	139.40	-82.09	-218.25	-1.790e+04	3.133e+04
67	53	-2.244e+04	2.140e+04	1.18	0.0	0.0	-1278.35	-252.18	108.46	223.17	-1.223e+04	-2.244e+04
		-6.884e+04	-1.223e+04	-0.07	0.0	155.0	-1183.32	-252.18	108.46	223.17	4587.70	-4.564e+04
						310.0	-1088.29	-252.18	108.46	223.17	2.140e+04	-6.884e+04
67	70	2.296e+04	6688.81	0.33	0.0	0.0	-777.24	-102.55	-73.45	51.55	6688.81	2.296e+04
		-2.951e+04	-1.608e+04	0.05	0.0	155.0	-682.21	-102.55	-73.45	51.55	-4698.07	-3276.21
						310.0	-587.18	-102.55	-73.45	51.55	-1.608e+04	-2.951e+04
67	77	-9601.91	1.019e+04	0.58	0.0	0.0	-934.92	-145.06	54.05	107.46	-6569.62	-9601.91
		-4.396e+04	-6569.62	-0.03	0.0	155.0	-839.89	-145.06	54.05	107.46	1810.67	-2.678e+04
						310.0	-744.86	-145.06	54.05	107.46	1.019e+04	-4.396e+04
67	83	-2.324e+04	1.970e+04	0.23	0.0	0.0	-898.19	-103.78	100.28	57.64	-1.139e+04	-2.324e+04
		-3.164e+04	-1.139e+04	-0.06	0.0	155.0	-803.16	-103.78	100.28	57.64	4157.86	-2.744e+04
						310.0	-708.13	-103.78	100.28	57.64	1.970e+04	-3.164e+04
67	84	9071.38	2557.16	-0.53	0.0	0.0	-432.56	30.80	-34.01	-96.00	2557.16	9071.38
		3775.21	-7991.88	0.02	0.0	155.0	-337.53	30.80	-34.01	-96.00	-2717.36	6423.29
						310.0	-242.50	30.80	-34.01	-96.00	-7991.88	3775.21
67	85	-1.161e+04	1.149e+04	0.50	0.0	0.0	-982.05	-143.59	60.38	100.92	-7228.80	-1.161e+04
		-4.128e+04	-7228.80	-0.04	0.0	155.0	-887.03	-143.59	60.38	100.92	2133.07	-2.644e+04
						310.0	-792.00	-143.59	60.38	100.92	1.149e+04	-4.128e+04
67	86	2.070e+04	6716.83	-0.26	0.0	0.0	-516.43	-9.00	-73.91	-52.72	6716.83	2.070e+04
		-5866.77	-1.620e+04	0.05	0.0	155.0	-421.40	-9.00	-73.91	-52.72	-4742.15	7416.53
						310.0	-326.37	-9.00	-73.91	-52.72	-1.620e+04	-5866.77
67	87	1.170e+04	1.406e+04	-0.19	0.0	0.0	-754.10	-74.09	73.84	48.70	-8830.89	1.170e+04
		-1.126e+04	-8830.89	-0.04	0.0	155.0	-659.07	-74.09	73.84	48.70	2613.54	219.61
						310.0	-564.04	-74.09	73.84	48.70	1.406e+04	-1.126e+04
67	93	1.066e+04	1.554e+04	-0.19	0.0	0.0	-991.99	-109.31	76.64	52.74	-8215.04	1.066e+04
		-2.322e+04	-8215.04	-0.05	0.0	155.0	-896.96	-109.31	76.64	52.74	3664.92	-6279.50
						310.0	-801.94	-109.31	76.64	52.74	1.554e+04	-2.322e+04
67	94	2.023e+04	2.256e+04	-0.30	0.0	0.0	-791.13	-86.71	114.32	80.84	-1.288e+04	2.023e+04
		-6647.51	-1.288e+04	-0.06	0.0	155.0	-696.10	-86.71	114.32	80.84	4844.51	6793.10
						310.0	-601.07	-86.71	114.32	80.84	2.256e+04	-6647.51
67	95	1.992e+04	2.278e+04	-0.31	0.0	0.0	-899.86	-102.89	115.63	80.56	-1.307e+04	1.992e+04
		-1.197e+04	-1.307e+04	-0.06	0.0	155.0	-804.83	-102.89	115.63	80.56	4855.96	3975.46
						310.0	-709.81	-102.89	115.63	80.56	2.278e+04	-1.197e+04
67	97	1.950e+04	2.384e+04	-0.29	0.0	0.0	-920.29	-105.76	115.82	85.16	-1.207e+04	1.950e+04
		-1.328e+04	-1.207e+04	-0.07	0.0	155.0	-825.26	-105.76	115.82	85.16	5884.46	3111.62
						310.0	-730.23	-105.76	115.82	85.16	2.384e+04	-1.328e+04
67	98	-1090.46	1298.74	-0.02	0.0	0.0	-698.55	-55.16	13.11	0.49	-2764.60	-1090.46
		-1.819e+04	-2764.60	-4.57e-03	0.0	155.0	-603.53	-55.16	13.11	0.49	-732.93	-9640.62
						310.0	-508.50	-55.16	13.11	0.49	1298.74	-1.819e+04
67	102	-1394.32	1837.61	-0.02	0.0	0.0	-750.80	-62.86	13.71	2.35	-2412.74	-1394.32
		-2.088e+04	-2412.74	-7.22e-03	0.0	155.0	-655.77	-62.86	13.71	2.35	-287.56	-1.114e+04
						310.0	-560.74	-62.86	13.71	2.35	1837.61	-2.088e+04
67	103	3174.38	5551.82	-0.08	0.0	0.0	-717.07	-61.47	33.35	16.56	-4786.70	3174.38
		-1.588e+04	-4786.70	-0.02	0.0	155.0	-622.04	-61.47	33.35	16.56	382.56	-6353.88
						310.0	-527.01	-61.47	33.35	16.56	5551.82	-1.588e+04
67	104	2994.77	6004.61	-0.07	0.0	0.0	-725.82	-62.70	33.43	18.53	-4357.92	2994.77
		-1.644e+04	-4357.92	-0.02	0.0	155.0	-630.79	-62.70	33.43	18.53	823.35	-6724.09
						310.0	-535.77	-62.70	33.43	18.53	6004.61	-1.644e+04
67	105	-1090.46	1298.74	-0.02	0.0	0.0	-698.55	-55.16	13.11	0.49	-2764.60	-1090.46
		-1.819e+04	-2764.60	-4.57e-03	0.0	155.0	-603.53	-55.16	13.11	0.49	-732.93	-9640.62
						310.0	-508.50	-55.16	13.11	0.49	1298.74	-1.819e+04
67	106	-1270.06	1751.53	-0.01	0.0	0.0	-707.31	-56.39	13.19	2.46	-2335.82	-1270.06
		-1.875e+04	-2335.82	-6.76e-03	0.0	155.0	-612.28	-56.39	13.19	2.46	-292.14	-1.001e+04

						310.0	-517.25	-56.39	13.19	2.46	1751.53	-1.875e+04
73	4	-2.320e+04	9345.44	0.03	0.0	0.0	-3767.62	45.89	71.91	256.06	-1.683e+04	-3.991e+04
		-3.991e+04	-1.683e+04	-0.09	0.0	182.0	-3622.57	45.89	71.91	256.06	-3741.91	-3.156e+04
						364.0	-3477.51	45.89	71.91	256.06	9345.44	-2.320e+04
73	19	1852.44	5944.06	-0.07	0.0	0.0	-1674.43	57.09	38.38	-1.73	-8027.46	-1.893e+04
		-1.893e+04	-8027.46	-0.07	0.0	182.0	-1562.85	57.09	38.38	-1.73	-1041.70	-8537.49
						364.0	-1451.26	57.09	38.38	-1.73	5944.06	1852.44
73	20	4054.65	6108.64	-0.07	0.0	0.0	-1915.17	65.28	39.07	-1.49	-8112.22	-1.971e+04
		-1.971e+04	-8112.22	-0.07	0.0	182.0	-1803.59	65.28	39.07	-1.49	-1001.79	-7826.02
						364.0	-1692.00	65.28	39.07	-1.49	6108.64	4054.65
73	22	-1.184e+04	1.060e+04	-0.06	0.0	0.0	-2757.67	66.92	71.92	152.51	-1.557e+04	-3.620e+04
		-3.620e+04	-1.557e+04	-0.10	0.0	182.0	-2646.09	66.92	71.92	152.51	-2485.49	-2.402e+04
						364.0	-2534.51	66.92	71.92	152.51	1.060e+04	-1.184e+04
73	24	8.438e+04	1204.42	-0.76	0.0	0.0	-566.08	661.72	16.91	127.66	-4953.72	-1.576e+05
		-1.576e+05	-4953.72	-0.03	0.0	182.0	-454.50	661.72	16.91	127.66	-1874.65	-3.660e+04
						364.0	-342.92	661.72	16.91	127.66	1204.42	8.438e+04
73	25	1.367e+05	-1241.45	0.78	0.0	0.0	-3514.42	-656.12	3.53	59.34	-2525.61	1.367e+05
		-1.032e+05	-2525.61	-5.26e-03	0.0	182.0	-3402.84	-656.12	3.53	59.34	-1883.53	1.673e+04
						364.0	-3291.26	-656.12	3.53	59.34	-1241.45	-1.032e+05
73	28	8.288e+04	565.56	-0.76	0.0	0.0	-557.12	655.85	13.58	184.18	-4380.20	-1.569e+05
		-1.569e+05	-4380.20	-0.03	0.0	182.0	-445.54	655.85	13.58	184.18	-1907.32	-3.700e+04
						364.0	-333.96	655.85	13.58	184.18	565.56	8.288e+04
73	29	1.360e+05	-602.59	0.77	0.0	0.0	-3523.38	-650.25	6.87	2.82	-3099.14	1.360e+05
		-1.017e+05	-3099.14	-0.01	0.0	182.0	-3411.80	-650.25	6.87	2.82	-1850.86	1.713e+04
						364.0	-3300.22	-650.25	6.87	2.82	-602.59	-1.017e+05
73	51	3.476e+04	1.073e+04	0.23	0.0	0.0	-2417.53	-216.81	65.83	31.52	-1.324e+04	3.476e+04
		-4.484e+04	-1.324e+04	-0.10	0.0	182.0	-2305.95	-216.81	65.83	31.52	-1255.37	-5037.09
						364.0	-2194.37	-216.81	65.83	31.52	1.073e+04	-4.484e+04
73	56	3.504e+04	548.43	-0.36	0.0	0.0	-1334.09	315.41	13.33	110.18	-4304.36	-8.035e+04
		-8.035e+04	-4304.36	-0.03	0.0	182.0	-1222.51	315.41	13.33	110.18	-1877.96	-2.266e+04
						364.0	-1110.93	315.41	13.33	110.18	548.43	3.504e+04
73	57	5.946e+04	-585.46	0.37	0.0	0.0	-2746.41	-309.80	7.12	76.83	-3174.98	5.946e+04
		-5.388e+04	-3174.98	-0.01	0.0	182.0	-2634.83	-309.80	7.12	76.83	-1880.22	2787.80
						364.0	-2523.25	-309.80	7.12	76.83	-585.46	-5.388e+04
73	60	3.456e+04	230.45	-0.36	0.0	0.0	-1329.50	313.91	11.67	136.09	-4020.07	-8.024e+04
		-8.024e+04	-4020.07	-0.02	0.0	182.0	-1217.92	313.91	11.67	136.09	-1894.81	-2.284e+04
						364.0	-1106.33	313.91	11.67	136.09	230.45	3.456e+04
73	61	5.935e+04	-267.48	0.37	0.0	0.0	-2751.01	-308.31	8.77	50.91	-3459.27	5.935e+04
		-5.341e+04	-3459.27	-0.01	0.0	182.0	-2639.42	-308.31	8.77	50.91	-1863.37	2970.94
						364.0	-2527.84	-308.31	8.77	50.91	-267.48	-5.341e+04
73	83	1.046e+04	5268.88	0.11	0.0	0.0	-2217.73	-98.84	37.59	64.47	-8413.37	1.046e+04
		-2.588e+04	-8413.37	-0.06	0.0	182.0	-2106.15	-98.84	37.59	64.47	-1572.24	-7712.08
						364.0	-1994.57	-98.84	37.59	64.47	5268.88	-2.588e+04
73	90	-1.596e+04	6012.63	0.02	0.0	0.0	-2727.11	31.13	47.77	176.39	-1.137e+04	-2.729e+04
		-2.729e+04	-1.137e+04	-0.06	0.0	182.0	-2615.53	31.13	47.77	176.39	-2680.88	-2.162e+04
						364.0	-2503.95	31.13	47.77	176.39	6012.63	-1.596e+04
73	94	-555.07	3572.45	-0.05	0.0	0.0	-1740.70	38.62	26.15	16.27	-5947.01	-1.461e+04
		-1.461e+04	-5947.01	-0.05	0.0	182.0	-1629.12	38.62	26.15	16.27	-1187.28	-7583.36
						364.0	-1517.54	38.62	26.15	16.27	3572.45	-555.07
73	95	913.07	3682.17	-0.05	0.0	0.0	-1901.20	44.08	26.61	16.43	-6003.52	-1.513e+04
		-1.513e+04	-6003.52	-0.05	0.0	182.0	-1789.62	44.08	26.61	16.43	-1160.67	-7109.04
						364.0	-1678.03	44.08	26.61	16.43	3682.17	913.07
73	97	-9684.32	6678.53	-0.04	0.0	0.0	-2462.87	45.17	48.51	119.10	-1.098e+04	-2.613e+04
		-2.613e+04	-1.098e+04	-0.07	0.0	182.0	-2351.28	45.17	48.51	119.10	-2149.81	-1.791e+04
						364.0	-2239.70	45.17	48.51	119.10	6678.53	-9684.32
73	99	-1.245e+04	837.59	0.02	0.0	0.0	-2200.73	3.11	16.48	122.83	-5160.99	-1.358e+04
		-1.358e+04	-5160.99	-0.02	0.0	182.0	-2089.15	3.11	16.48	122.83	-2161.70	-1.302e+04
						364.0	-1977.56	3.11	16.48	122.83	837.59	-1.245e+04
73	103	-4016.82	-327.64	-5.69e-03	0.0	0.0	-1787.77	9.59	5.90	42.85	-2475.55	-7507.17
		-7507.17	-2475.55	-0.02	0.0	182.0	-1676.19	9.59	5.90	42.85	-1401.60	-5761.99
						364.0	-1564.61	9.59	5.90	42.85	-327.64	-4016.82
73	104	-8558.55	956.51	0.01	0.0	0.0	-2028.48	10.06	15.29	86.85	-4607.53	-1.222e+04
		-1.222e+04	-4607.53	-0.03	0.0	182.0	-1916.90	10.06	15.29	86.85	-1825.51	-1.039e+04
						364.0	-1805.32	10.06	15.29	86.85	956.51	-8558.55
73	105	-4882.25	-1302.67	9.57e-03	0.0	0.0	-1799.54	2.33	0.84	49.50	-1607.69	-5731.05
		-5731.05	-1607.69	-0.01	0.0	182.0	-1687.96	2.33	0.84	49.50	-1455.18	-5306.65
						364.0	-1576.37	2.33	0.84	49.50	-1302.67	-4882.25
73	106	-9423.99	-18.52	0.02	0.0	0.0	-2040.25	2.80	10.22	93.50	-3739.67	-1.044e+04
		-1.044e+04	-3739.67	-0.02	0.0	182.0	-1928.67	2.80	10.22	93.50	-1879.09	-9933.67
						364.0	-1817.09	2.80	10.22	93.50	-18.52	-9423.99
74	3	4.675e+04	8.260e+04	-0.16	0.0	0.0	-5486.29	581.46	891.13	-623.52	-8.761e+04	-6.431e+04
		-6.431e+04	-8.761e+04	-0.23	0.0	95.5	-5410.18	581.46	891.13	-623.52	-2504.80	-8780.97
						191.0	-5334.06	581.46	891.13	-623.52	8.260e+04	4.675e+04
74	4	4.268e+04	8.452e+04	-0.16	0.0	0.0	-6489.58	558.05	900.52	-626.65	-8.748e+04	-6.391e+04
		-6.391e+04	-8.748e+04	-0.23	0.0	95.5	-6413.46	558.05	900.52	-626.65	-1478.71	-1.062e+04
						191.0	-6337.35	558.05	900.52	-626.65	8.452e+04	4.268e+04
74	5	4.421e+04	2.295e+04	-0.17	0.0	0.0	-3970.77	468.98	198.85	-439.87	-1.503e+04	-4.537e+04

		-4.537e+04 -1.503e+04	-0.03	0.0	95.5	-3912.22	468.98	198.85	-439.87	3962.94	-579.74
					191.0	-3853.67	468.98	198.85	-439.87	2.295e+04	4.421e+04
74	11	3.762e+04 7.091e+04	-0.16	0.0	0.0	-7473.25	504.00	723.25	-579.74	-6.723e+04	-5.864e+04
		-5.864e+04 -6.723e+04	-0.17	0.0	95.5	-7397.13	504.00	723.25	-579.74	1843.65	-1.051e+04
					191.0	-7321.02	504.00	723.25	-579.74	7.091e+04	3.762e+04
74	17	7.548e+04 6.725e+04	-0.27	0.0	0.0	-5724.11	835.31	705.37	-835.15	-6.748e+04	-8.406e+04
		-8.406e+04 -6.748e+04	-0.17	0.0	95.5	-5647.99	835.31	705.37	-835.15	-114.51	-4291.48
					191.0	-5571.88	835.31	705.37	-835.15	6.725e+04	7.548e+04
74	21	7.622e+04 5.937e+04	-0.27	0.0	0.0	-4273.98	824.96	635.30	-818.27	-6.197e+04	-8.134e+04
		-8.134e+04 -6.197e+04	-0.16	0.0	95.5	-4215.43	824.96	635.30	-818.27	-1300.98	-2560.01
					191.0	-4156.88	824.96	635.30	-818.27	5.937e+04	7.622e+04
74	32	3.875e+04 4.348e+04	-0.52	0.0	0.0	-5445.89	869.82	633.44	-319.18	-7.949e+04	-1.330e+05
		-1.330e+05 -7.949e+04	0.12	0.0	95.5	-5387.34	869.82	633.44	-319.18	-1.800e+04	-4.714e+04
					191.0	-5328.79	869.82	633.44	-319.18	4.348e+04	3.875e+04
74	33	1.095e+05 2.353e+04	0.53	0.0	0.0	-2075.36	-746.49	19.84	155.40	2.172e+04	1.095e+05
		-3.872e+04 2.172e+04	-0.26	0.0	95.5	-2016.81	-746.49	19.84	155.40	2.262e+04	3.539e+04
					191.0	-1958.26	-746.49	19.84	155.40	2.353e+04	-3.872e+04
74	44	3.212e+04 4.385e+04	-0.48	0.0	0.0	-5246.35	789.43	650.89	-323.88	-8.252e+04	-1.228e+05
		-1.228e+05 -8.252e+04	0.14	0.0	95.5	-5187.80	789.43	650.89	-323.88	-1.934e+04	-4.532e+04
					191.0	-5129.25	789.43	650.89	-323.88	4.385e+04	3.212e+04
74	52	3.087e+04 4.476e+04	-0.44	0.0	0.0	-5180.34	733.10	606.39	-303.46	-7.470e+04	-1.137e+05
		-1.137e+05 -7.470e+04	0.10	0.0	95.5	-5121.79	733.10	606.39	-303.46	-1.497e+04	-4.140e+04
					191.0	-5063.24	733.10	606.39	-303.46	4.476e+04	3.087e+04
74	56	1.653e+04 3.264e+04	-0.23	0.0	0.0	-4542.38	425.15	292.69	-159.42	-2.293e+04	-6.597e+04
		-6.597e+04 -2.293e+04	-0.02	0.0	95.5	-4483.83	425.15	292.69	-159.42	4854.03	-2.472e+04
					191.0	-4425.28	425.15	292.69	-159.42	3.264e+04	1.653e+04
74	57	4.244e+04 3.437e+04	0.24	0.0	0.0	-2978.87	-301.82	360.58	-4.36	-3.484e+04	4.244e+04
		-1.650e+04 -3.484e+04	-0.13	0.0	95.5	-2920.32	-301.82	360.58	-4.36	-237.22	1.297e+04
					191.0	-2861.77	-301.82	360.58	-4.36	3.437e+04	-1.650e+04
74	64	1.829e+04 3.797e+04	-0.23	0.0	0.0	-4530.46	425.36	464.73	-188.26	-5.182e+04	-6.611e+04
		-6.611e+04 -5.182e+04	0.02	0.0	95.5	-4471.91	425.36	464.73	-188.26	-6925.86	-2.391e+04
					191.0	-4413.36	425.36	464.73	-188.26	3.797e+04	1.829e+04
74	65	4.258e+04 2.904e+04	0.24	0.0	0.0	-2990.79	-302.03	188.55	24.48	-5954.34	-1.826e+04
		-1.826e+04 -5954.34	-0.16	0.0	95.5	-2932.24	-302.03	188.55	24.48	1.154e+04	1.216e+04
					191.0	-2873.69	-302.03	188.55	24.48	2.904e+04	-1.826e+04
74	76	1.501e+04 3.817e+04	-0.21	0.0	0.0	-4436.27	386.61	469.70	-190.26	-5.265e+04	-6.112e+04
		-6.112e+04 -5.265e+04	0.02	0.0	95.5	-4377.72	386.61	469.70	-190.26	-7240.32	-2.305e+04
					191.0	-4319.17	386.61	469.70	-190.26	3.817e+04	1.501e+04
74	84	1.439e+04 3.868e+04	-0.20	0.0	0.0	-4406.34	360.44	452.80	-181.46	-4.973e+04	-5.699e+04
		-5.699e+04 -4.973e+04	0.01	0.0	95.5	-4347.79	360.44	452.80	-181.46	-5528.85	-2.130e+04
					191.0	-4289.24	360.44	452.80	-181.46	3.868e+04	1.439e+04
74	87	2.907e+04 2.333e+04	-0.11	0.0	0.0	-4004.98	325.73	203.10	-310.20	-1.546e+04	-3.314e+04
		-3.314e+04 -1.546e+04	-0.03	0.0	95.5	-3946.43	325.73	203.10	-310.20	3933.27	-2032.58
					191.0	-3887.88	325.73	203.10	-310.20	2.333e+04	2.907e+04
74	89	3.126e+04 5.784e+04	-0.10	0.0	0.0	-4048.58	393.81	617.91	-421.38	-6.018e+04	-4.395e+04
		-4.395e+04 -6.018e+04	-0.16	0.0	95.5	-3990.03	393.81	617.91	-421.38	-1169.53	-6345.76
					191.0	-3931.48	393.81	617.91	-421.38	5.784e+04	3.126e+04
74	90	2.855e+04 5.912e+04	-0.11	0.0	0.0	-4717.44	378.20	624.17	-423.46	-6.009e+04	-4.369e+04
		-4.369e+04 -6.009e+04	-0.15	0.0	95.5	-4658.89	378.20	624.17	-423.46	-485.47	-7569.41
					191.0	-4600.34	378.20	624.17	-423.46	5.912e+04	2.855e+04
74	93	2.518e+04 5.005e+04	-0.11	0.0	0.0	-5373.22	342.17	505.99	-392.19	-4.659e+04	-4.018e+04
		-4.018e+04 -4.659e+04	-0.12	0.0	95.5	-5314.67	342.17	505.99	-392.19	1729.44	-7499.11
					191.0	-5256.12	342.17	505.99	-392.19	5.005e+04	2.518e+04
74	96	5.042e+04 4.761e+04	-0.18	0.0	0.0	-4207.12	563.04	494.07	-562.47	-4.676e+04	-5.712e+04
		-5.712e+04 -4.676e+04	-0.12	0.0	95.5	-4148.57	563.04	494.07	-562.47	423.99	-3352.77
					191.0	-4090.02	563.04	494.07	-562.47	4.761e+04	5.042e+04
74	98	-642.72 2.315e+04	1.80e-03	0.0	0.0	-3747.55	41.24	202.20	-48.53	-1.547e+04	-8519.58
		-8519.58 -1.547e+04	-0.03	0.0	95.5	-3689.00	41.24	202.20	-48.53	3839.25	-4581.15
					191.0	-3630.45	41.24	202.20	-48.53	2.315e+04	-642.72
74	99	451.68 4.040e+04	3.95e-03	0.0	0.0	-3769.35	75.28	409.60	-104.13	-3.783e+04	-1.393e+04
		-1.393e+04 -3.783e+04	-0.09	0.0	95.5	-3710.80	75.28	409.60	-104.13	1287.85	-6737.73
					191.0	-3652.25	75.28	409.60	-104.13	4.040e+04	451.68
74	102	-1071.76 3.402e+04	3.15e-03	0.0	0.0	-4028.17	55.42	329.14	-82.72	-2.885e+04	-1.166e+04
		-1.166e+04 -2.885e+04	-0.07	0.0	95.5	-3969.62	55.42	329.14	-82.72	2582.03	-6364.56
					191.0	-3911.07	55.42	329.14	-82.72	3.402e+04	-1071.76
74	104	9919.63 3.356e+04	-0.04	0.0	0.0	-3846.44	156.49	326.94	-169.11	-2.888e+04	-1.997e+04
		-1.997e+04 -2.888e+04	-0.07	0.0	95.5	-3787.89	156.49	326.94	-169.11	2339.75	-5025.58
					191.0	-3729.34	156.49	326.94	-169.11	3.356e+04	9919.63
74	105	-642.72 2.315e+04	1.80e-03	0.0	0.0	-3747.55	41.24	202.20	-48.53	-1.547e+04	-8519.58
		-8519.58 -1.547e+04	-0.03	0.0	95.5	-3689.00	41.24	202.20	-48.53	3839.25	-4581.15
					191.0	-3630.45	41.24	202.20	-48.53	2.315e+04	-642.72
74	106	13.92 3.350e+04	3.09e-03	0.0	0.0	-3760.63	61.67	326.64	-81.89	-2.889e+04	-1.176e+04
		-1.176e+04 -2.889e+04	-0.07	0.0	95.5	-3702.08	61.67	326.64	-81.89	2308.41	-5875.10
					191.0	-3643.53	61.67	326.64	-81.89	3.350e+04	13.92
75	3	4.089e+04 6.348e+04	-0.16	0.0	0.0	42.74	230.38	-542.65	603.14	6.348e+04	-3110.23
		-3110.23 -4.017e+04	0.11	0.0	95.5	118.85	230.38	-542.65	603.14	1.165e+04	1.889e+04
					191.0	194.97	230.38	-542.65	603.14	-4.017e+04	4.089e+04

75	4	4.240e+04	6.343e+04	-0.16	0.0	0.0	-155.52	243.34	-543.07	602.98	6.343e+04	-4078.97
		-4078.97	-4.030e+04	0.11	0.0	95.5	-79.40	243.34	-543.07	602.98	1.156e+04	1.916e+04
						191.0	-3.29	243.34	-543.07	602.98	-4.030e+04	4.240e+04
75	9	4.892e+04	1.341e+04	-0.17	0.0	0.0	-891.04	403.16	-90.01	65.41	1.341e+04	-2.809e+04
		-2.809e+04	-3781.47	8.91e-03	0.0	95.5	-814.93	403.16	-90.01	65.41	4814.48	1.042e+04
						191.0	-738.81	403.16	-90.01	65.41	-3781.47	4.892e+04
75	20	8.456e+04	7251.88	-0.27	0.0	0.0	612.57	732.26	-17.99	-44.74	7251.88	-5.531e+04
		-5.531e+04	3816.19	-0.02	0.0	95.5	671.12	732.26	-17.99	-44.74	5534.03	1.463e+04
						191.0	729.67	732.26	-17.99	-44.74	3816.19	8.456e+04
75	21	7.954e+04	4.228e+04	-0.27	0.0	0.0	1186.92	616.50	-335.00	331.61	4.228e+04	-3.821e+04
		-3.821e+04	-2.171e+04	0.05	0.0	95.5	1245.46	616.50	-335.00	331.61	1.028e+04	2.067e+04
						191.0	1304.01	616.50	-335.00	331.61	-2.171e+04	7.954e+04
75	32	8.755e+04	1.326e+04	-0.52	0.0	0.0	824.62	1093.97	-122.64	90.97	1.326e+04	-1.225e+05
		-1.225e+05	-6948.28	-0.03	0.0	95.5	883.17	1093.97	-122.64	90.97	3156.68	-1.749e+04
						191.0	941.72	1093.97	-122.64	90.97	-6948.28	8.755e+04
75	33	1.498e+05	3.133e+04	0.52	0.0	0.0	-3357.65	-1307.12	-269.58	373.14	3.133e+04	1.498e+05
		-1.010e+05	-2.337e+04	0.12	0.0	95.5	-3299.10	-1307.12	-269.58	373.14	3978.34	2.438e+04
						191.0	-3240.56	-1307.12	-269.58	373.14	-2.337e+04	-1.010e+05
75	35	5.200e+04	1.634e+04	-0.32	0.0	0.0	2313.73	630.72	-83.21	-8.49	1.634e+04	-6.935e+04
		-6.935e+04	-1687.02	-0.05	0.0	95.5	2372.28	630.72	-83.21	-8.49	7325.13	-8670.75
						191.0	2430.83	630.72	-83.21	-8.49	-1687.02	5.200e+04
75	37	1.463e+05	3.143e+04	0.51	0.0	0.0	-3230.68	-1278.10	-265.61	368.75	3.143e+04	1.463e+05
		-9.900e+04	-2.271e+04	0.12	0.0	95.5	-3172.13	-1278.10	-265.61	368.75	4357.53	2.363e+04
						191.0	-3113.58	-1278.10	-265.61	368.75	-2.271e+04	-9.900e+04
75	38	9.659e+04	2.825e+04	0.32	0.0	0.0	-4846.76	-843.88	-309.00	472.60	2.825e+04	9.659e+04
		-6.547e+04	-2.863e+04	0.14	0.0	95.5	-4788.21	-843.88	-309.00	472.60	-190.11	1.556e+04
						191.0	-4729.66	-843.88	-309.00	472.60	-2.863e+04	-6.547e+04
75	65	7.428e+04	2.664e+04	0.24	0.0	0.0	-2242.93	-642.88	-231.11	299.58	2.664e+04	7.428e+04
		-4.914e+04	-1.907e+04	0.08	0.0	95.5	-2184.38	-642.88	-231.11	299.58	3784.30	1.257e+04
						191.0	-2125.83	-642.88	-231.11	299.58	-1.907e+04	-4.914e+04
75	67	1.991e+04	1.946e+04	-0.14	0.0	0.0	425.86	225.42	-141.99	116.03	1.946e+04	-2.364e+04
		-2.364e+04	-8685.83	-6.72e-03	0.0	95.5	484.41	225.42	-141.99	116.03	5384.88	-1867.39
						191.0	542.96	225.42	-141.99	116.03	-8685.83	1.991e+04
75	69	7.271e+04	2.668e+04	0.23	0.0	0.0	-2179.40	-629.75	-229.23	297.58	2.668e+04	7.271e+04
		-4.822e+04	-1.875e+04	0.08	0.0	95.5	-2120.85	-629.75	-229.23	297.58	3965.32	1.224e+04
						191.0	-2062.30	-629.75	-229.23	297.58	-1.875e+04	-4.822e+04
75	70	5.089e+04	2.514e+04	0.15	0.0	0.0	-2958.90	-438.58	-250.23	348.08	2.514e+04	5.089e+04
		-3.338e+04	-2.164e+04	0.09	0.0	95.5	-2900.35	-438.58	-250.23	348.08	1750.14	8754.30
						191.0	-2841.80	-438.58	-250.23	348.08	-2.164e+04	-3.338e+04
75	89	2.646e+04	4.374e+04	-0.10	0.0	0.0	-146.68	143.42	-373.81	416.51	4.374e+04	-931.71
		-931.71	-2.765e+04	0.07	0.0	95.5	-88.14	143.42	-373.81	416.51	8043.63	1.276e+04
						191.0	-29.59	143.42	-373.81	416.51	-2.765e+04	2.646e+04
75	90	2.746e+04	4.371e+04	-0.10	0.0	0.0	-278.86	152.05	-374.09	416.40	4.371e+04	-1577.54
		-1577.54	-2.774e+04	0.07	0.0	95.5	-220.31	152.05	-374.09	416.40	7983.86	1.294e+04
						191.0	-161.76	152.05	-374.09	416.40	-2.774e+04	2.746e+04
75	91	3.181e+04	1.037e+04	-0.11	0.0	0.0	-769.20	258.60	-72.05	58.02	1.037e+04	-1.758e+04
		-1.758e+04	-3395.35	8.86e-03	0.0	95.5	-710.65	258.60	-72.05	58.02	3485.04	7114.49
						191.0	-652.10	258.60	-72.05	58.02	-3395.35	3.181e+04
75	95	5.450e+04	9150.71	-0.18	0.0	0.0	-57.63	462.32	-49.15	13.89	9150.71	-3.381e+04
		-3.381e+04	-236.04	-5.35e-03	0.0	95.5	0.92	462.32	-49.15	13.89	4457.34	1.035e+04
						191.0	59.47	462.32	-49.15	13.89	-236.04	5.450e+04
75	96	5.115e+04	3.250e+04	-0.18	0.0	0.0	325.27	385.14	-260.49	264.79	3.250e+04	-2.241e+04
		-2.241e+04	-1.725e+04	0.05	0.0	95.5	383.82	385.14	-260.49	264.79	7624.44	1.437e+04
						191.0	442.37	385.14	-260.49	264.79	-1.725e+04	5.115e+04
75	99	1.669e+04	2.896e+04	2.49e-03	0.0	0.0	-1194.88	-126.16	-256.57	303.71	2.896e+04	1.669e+04
		-7403.26	-2.005e+04	0.06	0.0	95.5	-1136.33	-126.16	-256.57	303.71	4455.32	4645.04
						191.0	-1077.78	-126.16	-256.57	303.71	-2.005e+04	-7403.26
75	100	8755.85	1.229e+04	-9.04e-04	0.0	0.0	-1426.84	-73.75	-105.53	124.53	1.229e+04	8755.85
		-5330.54	-7865.79	0.02	0.0	95.5	-1368.29	-73.75	-105.53	124.53	2211.89	1712.66
						191.0	-1309.74	-73.75	-105.53	124.53	-7865.79	-5330.54
75	104	5186.94	2.167e+04	-0.04	0.0	0.0	-976.81	-0.40	-184.80	209.94	2.167e+04	5186.94
		5110.31	-1.362e+04	0.04	0.0	95.5	-918.26	-0.40	-184.80	209.94	4023.77	5148.62
						191.0	-859.72	-0.40	-184.80	209.94	-1.362e+04	5110.31
75	105	9014.18	1.230e+04	-8.23e-04	0.0	0.0	-1373.97	-77.21	-105.41	124.57	1.230e+04	9014.18
		-5732.04	-7831.14	0.02	0.0	95.5	-1315.42	-77.21	-105.41	124.57	2235.79	1641.07
						191.0	-1256.87	-77.21	-105.41	124.57	-7831.14	-5732.04
75	106	1.362e+04	2.230e+04	1.49e-03	0.0	0.0	-1266.52	-106.58	-196.11	232.05	2.230e+04	1.362e+04
		-6734.77	-1.516e+04	0.04	0.0	95.5	-1207.97	-106.58	-196.11	232.05	3567.51	3443.45
						191.0	-1149.42	-106.58	-196.11	232.05	-1.516e+04	-6734.77
83	1	5.873e+04	2.004e+04	-0.03	0.0	0.0	-1158.67	344.46	399.41	-123.69	-1.990e+04	2.428e+04
		2.428e+04	-1.990e+04	-0.02	0.0	50.0	-1118.82	344.46	399.41	-123.69	72.48	4.151e+04
						100.0	-1078.97	344.46	399.41	-123.69	2.004e+04	5.873e+04
83	7	4.343e+04	1.471e+04	-0.02	0.0	0.0	-848.64	180.84	301.28	-95.68	-1.542e+04	2.535e+04
		2.535e+04	-1.542e+04	-0.02	0.0	50.0	-817.99	180.84	301.28	-95.68	-356.11	3.439e+04
						100.0	-787.33	180.84	301.28	-95.68	1.471e+04	4.343e+04
83	9	9.986e+04	3.343e+04	-0.02	0.0	0.0	-1947.76	735.62	605.71	-156.14	-2.714e+04	2.629e+04
		2.629e+04	-2.714e+04	-0.04	0.0	50.0	-1907.91	735.62	605.71	-156.14	3142.92	6.308e+04

						100.0	-1868.05	735.62	605.71	-156.14	3.343e+04	9.986e+04
83	11	9.890e+04	3.351e+04	-0.02	0.0	0.0	-1943.24	719.25	602.26	-144.08	-2.671e+04	2.697e+04
		2.697e+04	-2.671e+04	-0.04	0.0	50.0	-1903.39	719.25	602.26	-144.08	3398.38	6.294e+04
						100.0	-1863.54	719.25	602.26	-144.08	3.351e+04	9.890e+04
83	32	9.937e+04	9856.17	-0.21	0.0	0.0	-1148.69	786.64	794.91	-79.00	-6.942e+04	1.449e+04
		1.449e+04	-6.942e+04	0.03	0.0	50.0	-1118.03	786.64	794.91	-79.00	-2.978e+04	5.693e+04
						100.0	-1087.38	786.64	794.91	-79.00	9856.17	9.937e+04
83	33	-1.566e+04	4.706e+04	0.22	0.0	0.0	-520.89	-36.26	-266.98	26.81	4.706e+04	-1.566e+04
		-2.550e+04	2.058e+04	-0.07	0.0	50.0	-490.24	-36.26	-266.98	26.81	3.382e+04	-2.058e+04
						100.0	-459.58	-36.26	-266.98	26.81	2.058e+04	-2.550e+04
83	44	9.549e+04	9356.61	-0.19	0.0	0.0	-1122.55	777.51	852.71	35.15	-7.558e+04	-1.079e+04
		-1.079e+04	-7.558e+04	0.03	0.0	50.0	-1091.89	777.51	852.71	35.15	-3.311e+04	4.235e+04
						100.0	-1061.24	777.51	852.71	35.15	9356.61	9.549e+04
83	45	9622.62	5.321e+04	0.21	0.0	0.0	-547.03	-27.13	-324.78	-87.34	5.321e+04	9622.62
		-2.161e+04	2.108e+04	-0.07	0.0	50.0	-516.37	-27.13	-324.78	-87.34	3.714e+04	-5995.30
						100.0	-485.72	-27.13	-324.78	-87.34	2.108e+04	-2.161e+04
83	56	6.518e+04	1.350e+04	-0.09	0.0	0.0	-979.62	560.56	428.67	-46.82	-2.928e+04	5737.52
		5737.52	-2.928e+04	-4.27e-03	0.0	50.0	-948.96	560.56	428.67	-46.82	-7886.79	3.546e+04
						100.0	-918.31	560.56	428.67	-46.82	1.350e+04	6.518e+04
83	57	8694.35	1.693e+04	0.10	0.0	0.0	-689.96	189.82	99.27	-5.37	6916.30	-6900.78
		-6900.78	6916.30	-0.04	0.0	50.0	-659.30	189.82	99.27	-5.37	1.192e+04	896.78
						100.0	-628.65	189.82	99.27	-5.37	1.693e+04	8694.35
83	66	2.067e+04	1.641e+04	0.06	0.0	0.0	-750.43	272.21	150.12	23.11	1389.00	-1.195e+04
		-1.195e+04	1389.00	-0.03	0.0	50.0	-719.77	272.21	150.12	23.11	8900.55	4356.46
						100.0	-689.12	272.21	150.12	23.11	1.641e+04	2.067e+04
83	76	6.285e+04	1.259e+04	-0.08	0.0	0.0	-963.14	554.62	523.42	4.66	-3.956e+04	-5293.05
		-5293.05	-3.956e+04	6.04e-03	0.0	50.0	-932.49	554.62	523.42	4.66	-1.348e+04	2.878e+04
						100.0	-901.83	554.62	523.42	4.66	1.259e+04	6.285e+04
83	77	1.103e+04	1.784e+04	0.09	0.0	0.0	-706.43	195.76	4.52	-56.85	1.719e+04	4129.78
		4129.78	1.719e+04	-0.04	0.0	50.0	-675.78	195.76	4.52	-56.85	1.752e+04	7577.52
						100.0	-645.12	195.76	4.52	-56.85	1.784e+04	1.103e+04
83	87	4.319e+04	1.509e+04	-0.02	0.0	0.0	-866.34	271.53	297.03	-85.76	-1.461e+04	1.604e+04
		1.604e+04	-1.461e+04	-0.02	0.0	50.0	-835.68	271.53	297.03	-85.76	237.55	2.962e+04
						100.0	-805.03	271.53	297.03	-85.76	1.509e+04	4.319e+04
83	89	4.228e+04	1.517e+04	-0.01	0.0	0.0	-862.04	255.94	293.74	-74.27	-1.421e+04	1.669e+04
		1.669e+04	-1.421e+04	-0.02	0.0	50.0	-831.38	255.94	293.74	-74.27	480.85	2.948e+04
						100.0	-800.73	255.94	293.74	-74.27	1.517e+04	4.228e+04
83	91	7.061e+04	2.401e+04	-0.01	0.0	0.0	-1392.40	532.31	434.57	-107.39	-1.944e+04	1.738e+04
		1.738e+04	-1.944e+04	-0.03	0.0	50.0	-1361.74	532.31	434.57	-107.39	2284.52	4.400e+04
						100.0	-1331.09	532.31	434.57	-107.39	2.401e+04	7.061e+04
83	93	6.997e+04	2.407e+04	-0.01	0.0	0.0	-1389.38	521.39	432.26	-99.35	-1.916e+04	1.783e+04
		1.783e+04	-1.916e+04	-0.03	0.0	50.0	-1358.73	521.39	432.26	-99.35	2454.82	4.390e+04
						100.0	-1328.08	521.39	432.26	-99.35	2.407e+04	6.997e+04
83	98	3.721e+04	1.519e+04	5.17e-03	0.0	0.0	-836.08	379.87	264.95	-29.54	-1.130e+04	-775.86
		-775.86	-1.130e+04	-0.02	0.0	50.0	-805.42	379.87	264.95	-29.54	1944.63	1.822e+04
						100.0	-774.77	379.87	264.95	-29.54	1.519e+04	3.721e+04
83	99	3.675e+04	1.523e+04	6.80e-03	0.0	0.0	-833.93	372.07	263.31	-23.80	-1.110e+04	-452.15
		-452.15	-1.110e+04	-0.02	0.0	50.0	-803.27	372.07	263.31	-23.80	2066.28	1.815e+04
						100.0	-772.62	372.07	263.31	-23.80	1.523e+04	3.675e+04
83	100	4.269e+04	1.698e+04	5.82e-03	0.0	0.0	-941.29	432.02	292.46	-33.86	-1.227e+04	-507.91
		-507.91	-1.227e+04	-0.02	0.0	50.0	-910.64	432.02	292.46	-33.86	2354.03	2.109e+04
						100.0	-879.98	432.02	292.46	-33.86	1.698e+04	4.269e+04
83	102	4.242e+04	1.700e+04	6.80e-03	0.0	0.0	-940.00	427.35	291.47	-30.42	-1.215e+04	-313.68
		-313.68	-1.215e+04	-0.02	0.0	50.0	-909.34	427.35	291.47	-30.42	2427.01	2.105e+04
						100.0	-878.69	427.35	291.47	-30.42	1.700e+04	4.242e+04
83	103	3.921e+04	1.516e+04	-3.70e-03	0.0	0.0	-846.17	343.76	275.65	-48.28	-1.241e+04	4829.52
		4829.52	-1.241e+04	-0.02	0.0	50.0	-815.51	343.76	275.65	-48.28	1375.61	2.202e+04
						100.0	-784.86	343.76	275.65	-48.28	1.516e+04	3.921e+04
83	105	3.721e+04	1.519e+04	5.17e-03	0.0	0.0	-836.08	379.87	264.95	-29.54	-1.130e+04	-775.86
		-775.86	-1.130e+04	-0.02	0.0	50.0	-805.42	379.87	264.95	-29.54	1944.63	1.822e+04
						100.0	-774.77	379.87	264.95	-29.54	1.519e+04	3.721e+04
83	106	3.694e+04	1.522e+04	6.15e-03	0.0	0.0	-834.79	375.19	263.97	-26.09	-1.118e+04	-581.63
		-581.63	-1.118e+04	-0.02	0.0	50.0	-804.13	375.19	263.97	-26.09	2017.62	1.818e+04
						100.0	-773.48	375.19	263.97	-26.09	1.522e+04	3.694e+04
84	7	2.921e+04	3.202e+04	-0.02	0.0	0.0	-1460.44	-269.42	757.43	542.83	-4.372e+04	2.921e+04
		2268.10	-4.372e+04	-0.06	0.0	50.0	-1429.78	-269.42	757.43	542.83	-5850.70	1.574e+04
						100.0	-1399.13	-269.42	757.43	542.83	3.202e+04	2268.10
84	9	4.827e+04	7.544e+04	-0.03	0.0	0.0	-3490.93	-659.47	1617.32	550.35	-8.629e+04	4.827e+04
		-1.767e+04	-8.629e+04	-0.14	0.0	50.0	-3451.08	-659.47	1617.32	550.35	-5422.66	1.530e+04
						100.0	-3411.23	-659.47	1617.32	550.35	7.544e+04	-1.767e+04
84	11	4.724e+04	7.549e+04	-0.03	0.0	0.0	-3486.28	-672.49	1653.22	562.98	-8.983e+04	4.724e+04
		-2.000e+04	-8.983e+04	-0.14	0.0	50.0	-3446.43	-672.49	1653.22	562.98	-7173.50	1.362e+04
						100.0	-3406.58	-672.49	1653.22	562.98	7.549e+04	-2.000e+04
84	16	5.342e+04	5.990e+04	-0.05	0.0	0.0	-2781.26	-487.72	1300.06	876.77	-7.011e+04	5.342e+04
		4648.24	-7.011e+04	-0.11	0.0	50.0	-2741.41	-487.72	1300.06	876.77	-5103.28	2.903e+04
						100.0	-2701.56	-487.72	1300.06	876.77	5.990e+04	4648.24
84	32	1.300e+05	4.337e+04	-0.21	0.0	0.0	-1880.45	89.18	1194.60	-284.44	-7.727e+04	1.234e+05

		1.234e+05 -7.727e+04	-5.95e-03	0.0	50.0	-1849.79	89.18	1194.60	-284.44 -1.695e+04	1.267e+05
					100.0	-1819.14	89.18	1194.60	-284.44 4.337e+04	1.300e+05
84	33	-9.620e+04 2.194e+04	0.22	0.0	0.0	-1049.88	-683.89	255.58	337.29 -2432.36	-9.620e+04
		-1.622e+05 -2432.36	-0.12	0.0	50.0	-1019.22	-683.89	255.58	337.29 9752.75	-1.292e+05
					100.0	-988.57	-683.89	255.58	337.29 2.194e+04	-1.622e+05
84	35	8.033e+04 5.081e+04	-0.13	0.0	0.0	-1724.15	-79.34	1187.25	-147.93 -6.001e+04	8.033e+04
		7.227e+04 -6.001e+04	-0.03	0.0	50.0	-1693.50	-79.34	1187.25	-147.93 -4601.60	7.630e+04
					100.0	-1662.84	-79.34	1187.25	-147.93 5.081e+04	7.227e+04
84	44	1.210e+05 2.503e+04	-0.20	0.0	0.0	-1835.61	90.24	1188.17	-276.64 -7.923e+04	1.158e+05
		1.158e+05 -7.923e+04	-0.01	0.0	50.0	-1804.96	90.24	1188.17	-276.64 -2.710e+04	1.184e+05
					100.0	-1774.30	90.24	1188.17	-276.64 2.503e+04	1.210e+05
84	56	6.096e+04 3.668e+04	-0.10	0.0	0.0	-1656.52	-101.42	904.32	-68.10 -5.198e+04	6.096e+04
		5.000e+04 -5.198e+04	-0.04	0.0	50.0	-1625.87	-101.42	904.32	-68.10 -7645.81	5.548e+04
					100.0	-1595.21	-101.42	904.32	-68.10 3.668e+04	5.000e+04
84	57	-3.371e+04 2.863e+04	0.10	0.0	0.0	-1273.80	-493.30	545.86	120.95 -2.773e+04	-3.371e+04
		-8.222e+04 -2.773e+04	-0.09	0.0	50.0	-1243.15	-493.30	545.86	120.95 447.77	-5.796e+04
					100.0	-1212.49	-493.30	545.86	120.95 2.863e+04	-8.222e+04
84	64	6.280e+04 3.781e+04	-0.09	0.0	0.0	-1654.14	-124.53	940.93	-119.78 -5.637e+04	6.280e+04
		4.903e+04 -5.637e+04	-0.03	0.0	50.0	-1623.49	-124.53	940.93	-119.78 -9277.29	5.592e+04
					100.0	-1592.83	-124.53	940.93	-119.78 3.781e+04	6.093e+04
84	67	4.368e+04 4.144e+04	-0.06	0.0	0.0	-1583.63	-200.49	937.48	-56.42 -4.855e+04	4.368e+04
		2.362e+04 -4.855e+04	-0.04	0.0	50.0	-1552.97	-200.49	937.48	-56.42 -3553.96	3.365e+04
					100.0	-1522.32	-200.49	937.48	-56.42 4.144e+04	2.362e+04
84	76	5.905e+04 2.891e+04	-0.09	0.0	0.0	-1632.69	-123.04	942.13	-112.88 -5.753e+04	5.905e+04
		4.458e+04 -5.753e+04	-0.04	0.0	50.0	-1602.04	-123.04	942.13	-112.88 -1.431e+04	5.181e+04
					100.0	-1571.38	-123.04	942.13	-112.88 2.891e+04	4.458e+04
84	89	2.439e+04 3.293e+04	-0.02	0.0	0.0	-1495.21	-284.32	757.98	369.95 -4.287e+04	2.439e+04
		-4047.13 -4.287e+04	-0.06	0.0	50.0	-1464.56	-284.32	757.98	369.95 -4967.49	1.017e+04
					100.0	-1433.90	-284.32	757.98	369.95 3.293e+04	-4047.13
84	91	3.377e+04 5.394e+04	-0.02	0.0	0.0	-2490.06	-471.97	1158.77	369.48 -6.193e+04	3.377e+04
		-1.343e+04 -6.193e+04	-0.10	0.0	50.0	-2459.41	-471.97	1158.77	369.48 -3994.18	1.017e+04
					100.0	-2428.75	-471.97	1158.77	369.48 5.394e+04	-1.343e+04
84	93	3.308e+04 5.397e+04	-0.02	0.0	0.0	-2486.96	-480.65	1182.70	377.91 -6.430e+04	3.308e+04
		-1.498e+04 -6.430e+04	-0.10	0.0	50.0	-2456.31	-480.65	1182.70	377.91 -5161.41	9048.10
					100.0	-2425.65	-480.65	1182.70	377.91 5.397e+04	-1.498e+04
84	95	3.720e+04 4.358e+04	-0.03	0.0	0.0	-2016.95	-357.47	947.27	587.10 -5.114e+04	3.720e+04
		1450.72 -5.114e+04	-0.08	0.0	50.0	-1986.30	-357.47	947.27	587.10 -3781.26	1.932e+04
					100.0	-1955.64	-357.47	947.27	587.10 4.358e+04	1450.72
84	99	1.343e+04 3.266e+04	2.58e-03	0.0	0.0	-1464.28	-299.84	731.92	28.83 -4.053e+04	1.343e+04
		-1.655e+04 -4.053e+04	-0.06	0.0	50.0	-1433.62	-299.84	731.92	28.83 -3932.52	-1562.80
					100.0	-1402.97	-299.84	731.92	28.83 3.266e+04	-1.655e+04
84	100	1.560e+04 3.685e+04	1.05e-03	0.0	0.0	-1664.57	-333.65	801.83	25.13 -4.333e+04	1.560e+04
		-1.776e+04 -4.333e+04	-0.07	0.0	50.0	-1633.92	-333.65	801.83	25.13 -3237.61	-1082.55
					100.0	-1603.26	-333.65	801.83	25.13 3.685e+04	-1.776e+04
84	102	1.531e+04 3.687e+04	1.99e-03	0.0	0.0	-1663.25	-337.37	812.08	28.74 -4.434e+04	1.531e+04
		-1.843e+04 -4.434e+04	-0.07	0.0	50.0	-1632.59	-337.37	812.08	28.74 -3737.86	-1562.84
					100.0	-1601.94	-337.37	812.08	28.74 3.687e+04	-1.843e+04
84	103	1.774e+04 3.273e+04	-5.98e-03	0.0	0.0	-1477.54	-286.40	717.82	134.52 -3.906e+04	1.774e+04
		-1.090e+04 -3.906e+04	-0.06	0.0	50.0	-1446.88	-286.40	717.82	134.52 -3165.86	3415.10
					100.0	-1416.23	-286.40	717.82	134.52 3.273e+04	-1.090e+04
84	105	1.392e+04 3.264e+04	9.63e-04	0.0	0.0	-1466.49	-293.64	714.83	22.82 -3.884e+04	1.392e+04
		-1.544e+04 -3.884e+04	-0.06	0.0	50.0	-1435.83	-293.64	714.83	22.82 -3098.78	-762.32
					100.0	-1405.18	-293.64	714.83	22.82 3.264e+04	-1.544e+04
84	106	1.363e+04 3.266e+04	1.91e-03	0.0	0.0	-1465.16	-297.36	725.09	26.43 -3.985e+04	1.363e+04
		-1.611e+04 -3.985e+04	-0.06	0.0	50.0	-1434.51	-297.36	725.09	26.43 -3599.02	-1242.61
					100.0	-1403.85	-297.36	725.09	26.43 3.266e+04	-1.611e+04
88	3	4.806e+04 7.176e+04	-0.15	0.0	0.0	-7597.33	587.11	-615.26	155.41 7.176e+04	-1.040e+05
		-1.040e+05 -8.759e+04	0.15	0.0	129.5	-7494.12	587.11	-615.26	155.41 -7917.60	-2.797e+05
					259.0	-7390.91	587.11	-615.26	155.41 -8.759e+04	4.806e+04
88	5	2.818e+04 1.101e+04	-0.15	0.0	0.0	-4940.25	481.95	-100.52	12.13 1.101e+04	-9.664e+04
		-9.664e+04 -1.503e+04	0.02	0.0	129.5	-4860.86	481.95	-100.52	12.13 -2009.14	-3.423e+04
					259.0	-4781.46	481.95	-100.52	12.13 -1.503e+04	2.818e+04
88	11	4.250e+04 5.409e+04	-0.15	0.0	0.0	-9282.03	554.35	-468.38	120.71 5.409e+04	-1.011e+05
		-1.011e+05 -6.722e+04	0.11	0.0	129.5	-9178.82	554.35	-468.38	120.71 -6560.76	-2.929e+04
					259.0	-9075.60	554.35	-468.38	120.71 -6.722e+04	4.250e+04
88	17	5.759e+04 5.462e+04	-0.26	0.0	0.0	-7830.81	860.76	-471.38	100.24 5.462e+04	-1.653e+05
		-1.653e+05 -6.747e+04	0.12	0.0	129.5	-7727.60	860.76	-471.38	100.24 -6426.70	-5.388e+04
					259.0	-7624.39	860.76	-471.38	100.24 -6.747e+04	5.759e+04
88	23	4.008e+04 8567.07	-0.23	0.0	0.0	-7329.40	710.17	236.16	211.67 -5.276e+04	-1.449e+05
		-1.449e+05 -5.276e+04	0.13	0.0	129.5	-7250.00	710.17	236.16	211.67 -2.210e+04	-5.242e+04
					259.0	-7170.61	710.17	236.16	211.67 8567.07	4.008e+04
88	26	1.391e+05 9.862e+04	0.24	0.0	0.0	-1672.96	-614.24	-636.20	-85.55 9.862e+04	1.391e+05
		-2.105e+04 -6.632e+04	-0.06	0.0	129.5	-1593.57	-614.24	-636.20	-85.55 1.615e+04	5.902e+04
					259.0	-1514.17	-614.24	-636.20	-85.55 -6.632e+04	-2.105e+04
88	32	5.612e+04 1.287e+05	-0.42	0.0	0.0	-6289.88	1179.21	-803.74	150.60 1.287e+05	-2.508e+05
		-2.508e+05 -7.953e+04	0.47	0.0	129.5	-6210.48	1179.21	-803.74	150.60 2.461e+04	-9.736e+04
					259.0	-6131.09	1179.21	-803.74	150.60 -7.953e+04	5.612e+04

88	33	2.450e+05	2.178e+04	0.43	0.0	0.0	-2712.49	-1083.28	403.70	-24.48	-8.289e+04	2.450e+05
		-3.710e+04	-8.289e+04	-0.38	0.0	129.5	-2633.09	-1083.28	403.70	-24.48	-3.056e+04	1.040e+05
						259.0	-2553.70	-1083.28	403.70	-24.48	2.178e+04	-3.710e+04
88	44	4.941e+04	1.358e+05	-0.38	0.0	0.0	-3501.40	1071.94	-842.57	-42.22	1.358e+05	-2.290e+05
		-2.290e+05	-8.257e+04	0.50	0.0	129.5	-3422.01	1071.94	-842.57	-42.22	2.659e+04	-8.981e+04
						259.0	-3342.61	1071.94	-842.57	-42.22	-8.257e+04	4.941e+04
88	45	2.232e+05	2.482e+04	0.39	0.0	0.0	-5500.96	-976.01	442.53	168.33	-8.990e+04	2.232e+05
		-3.038e+04	-8.990e+04	-0.41	0.0	129.5	-5421.57	-976.01	442.53	168.33	-3.254e+04	9.641e+04
						259.0	-5342.17	-976.01	442.53	168.33	2.482e+04	-3.038e+04
88	55	2.435e+04	-1.138e+04	-0.11	0.0	0.0	-5844.25	370.01	-1.85	132.29	-1.138e+04	-7.199e+04
		-7.199e+04	-1.178e+04	0.09	0.0	129.5	-5764.85	370.01	-1.85	132.29	-1.158e+04	-2.382e+04
						259.0	-5685.46	370.01	-1.85	132.29	-1.178e+04	2.435e+04
88	56	3.206e+04	1.196e+04	-0.19	0.0	0.0	-5379.50	570.69	-134.89	93.52	1.196e+04	-1.164e+05
		-1.164e+05	-2.292e+04	0.18	0.0	129.5	-5300.11	570.69	-134.89	93.52	-5478.45	-4.216e+04
						259.0	-5220.72	570.69	-134.89	93.52	-2.292e+04	3.206e+04
88	57	1.106e+05	3.389e+04	0.20	0.0	0.0	-3622.86	-474.76	-265.15	32.59	3.389e+04	2.435e+05
		-1.303e+04	-3.484e+04	-0.09	0.0	129.5	-3543.46	-474.76	-265.15	32.59	-474.16	4.876e+04
						259.0	-3464.07	-474.76	-265.15	32.59	-3.484e+04	-1.303e+04
88	58	6.617e+04	5.723e+04	0.12	0.0	0.0	-3158.11	-274.08	-398.19	-6.18	5.723e+04	6.617e+04
		-5324.64	-4.598e+04	-0.02	0.0	129.5	-3078.72	-274.08	-398.19	-6.18	5623.88	3.042e+04
						259.0	-2999.33	-274.08	-398.19	-6.18	-4.598e+04	-5324.64
88	76	2.761e+04	7.264e+04	-0.17	0.0	0.0	-4044.61	505.13	-483.59	16.50	7.264e+04	-1.036e+05
		-1.036e+05	-5.266e+04	0.25	0.0	129.5	-3965.22	505.13	-483.59	16.50	9987.28	-3.801e+04
						259.0	-3885.82	505.13	-483.59	16.50	-5.266e+04	2.761e+04
88	87	2.083e+04	1.144e+04	-0.10	0.0	0.0	-4837.75	331.18	-103.87	20.95	1.144e+04	-6.495e+04
		-6.495e+04	-1.546e+04	0.02	0.0	129.5	-4758.35	331.18	-103.87	20.95	-2009.99	-2.206e+04
						259.0	-4678.96	331.18	-103.87	20.95	-1.546e+04	2.083e+04
88	89	3.277e+04	4.916e+04	-0.10	0.0	0.0	-5524.98	394.97	-422.11	107.99	4.916e+04	-6.953e+04
		-6.953e+04	-6.017e+04	0.11	0.0	129.5	-5445.59	394.97	-422.11	107.99	-5507.17	-1.838e+04
						259.0	-5366.19	394.97	-422.11	107.99	-6.017e+04	3.277e+04
88	93	2.906e+04	3.738e+04	-0.10	0.0	0.0	-6648.11	373.13	-324.19	84.86	3.738e+04	-6.758e+04
		-6.758e+04	-4.658e+04	0.08	0.0	129.5	-6568.72	373.13	-324.19	84.86	-4602.62	-1.926e+04
						259.0	-6489.32	373.13	-324.19	84.86	-4.658e+04	2.906e+04
88	96	3.912e+04	3.773e+04	-0.17	0.0	0.0	-5680.63	577.41	-326.19	71.21	3.773e+04	-1.104e+05
		-1.104e+05	-4.675e+04	0.08	0.0	129.5	-5601.24	577.41	-326.19	71.21	-4513.24	-3.565e+04
						259.0	-5521.85	577.41	-326.19	71.21	-4.675e+04	3.912e+04
88	98	5930.69	1.161e+04	2.67e-03	0.0	0.0	-4295.01	28.83	-104.55	36.94	1.161e+04	-1535.88
		-1535.88	-1.547e+04	0.02	0.0	129.5	-4215.62	28.83	-104.55	36.94	-1927.15	2197.40
						259.0	-4136.22	28.83	-104.55	36.94	-1.547e+04	5930.69
88	99	1.190e+04	3.047e+04	3.97e-03	0.0	0.0	-4638.63	60.72	-263.67	80.46	3.047e+04	-3826.17
		-3826.17	-3.782e+04	0.06	0.0	129.5	-4559.23	60.72	-263.67	80.46	-3675.74	4037.35
						259.0	-4479.84	60.72	-263.67	80.46	-3.782e+04	1.190e+04
88	102	9487.68	2.283e+04	3.64e-03	0.0	0.0	-4767.04	47.42	-199.53	63.65	2.283e+04	-2795.25
		-2795.25	-2.884e+04	0.05	0.0	129.5	-4687.65	47.42	-199.53	63.65	-3005.23	3346.21
						259.0	-4608.25	47.42	-199.53	63.65	-2.884e+04	9487.68
88	104	1.448e+04	2.287e+04	-0.03	0.0	0.0	-4682.09	148.75	-199.79	57.72	2.287e+04	-2.405e+04
		-2.405e+04	-2.888e+04	0.05	0.0	129.5	-4602.70	148.75	-199.79	57.72	-3003.92	-4784.17
						259.0	-4523.30	148.75	-199.79	57.72	-2.888e+04	1.448e+04
88	105	5930.69	1.161e+04	2.67e-03	0.0	0.0	-4295.01	28.83	-104.55	36.94	1.161e+04	-1535.88
		-1535.88	-1.547e+04	0.02	0.0	129.5	-4215.62	28.83	-104.55	36.94	-1927.15	2197.40
						259.0	-4136.22	28.83	-104.55	36.94	-1.547e+04	5930.69
88	106	9512.79	2.293e+04	3.45e-03	0.0	0.0	-4501.18	47.96	-200.02	63.06	2.293e+04	-2910.05
		-2910.05	-2.888e+04	0.05	0.0	129.5	-4421.79	47.96	-200.02	63.06	-2976.31	3301.37
						259.0	-4342.39	47.96	-200.02	63.06	-2.888e+04	9512.79
89	1	1.775e+04	1592.84	-0.35	0.0	0.0	-3707.71	196.30	12.16	208.05	-3881.02	-7.058e+04
		-7.058e+04	-3881.02	-0.05	0.0	225.0	-3528.38	196.30	12.16	208.05	-1144.09	-2.642e+04
						450.0	-3349.05	196.30	12.16	208.05	1592.84	1.775e+04
89	5	1.816e+04	917.45	-0.35	0.0	0.0	-2873.45	198.74	9.49	207.04	-3354.64	-7.128e+04
		-7.128e+04	-3354.64	-0.05	0.0	225.0	-2735.51	198.74	9.49	207.04	-1218.60	-2.656e+04
						450.0	-2597.56	198.74	9.49	207.04	917.45	1.816e+04
89	17	2.992e+04	4.51	-0.56	0.0	0.0	-4652.02	319.67	13.16	354.83	-5916.01	-1.139e+05
		-1.139e+05	-5916.01	-0.09	0.0	225.0	-4472.70	319.67	13.16	354.83	-2955.75	-4.200e+04
						450.0	-4293.37	319.67	13.16	354.83	4.51	2.992e+04
89	18	2.945e+04	-46.09	-0.56	0.0	0.0	-4849.19	318.39	13.04	354.53	-5912.56	-1.138e+05
		-1.138e+05	-5912.56	-0.10	0.0	225.0	-4669.86	318.39	13.04	354.53	-2979.33	-4.218e+04
						450.0	-4490.54	318.39	13.04	354.53	-46.09	2.945e+04
89	19	3.096e+04	-66.23	-0.59	0.0	0.0	-3466.93	335.85	9.81	343.04	-4479.63	-1.202e+05
		-1.202e+05	-4479.63	-0.07	0.0	225.0	-3328.99	335.85	9.81	343.04	-2272.93	-4.461e+04
						450.0	-3191.04	335.85	9.81	343.04	-66.23	3.096e+04
89	44	1.571e+04	3121.57	-1.31	0.0	0.0	-954.64	498.58	-11.33	-264.21	3121.57	-2.276e+05
		-2.276e+05	-3635.12	0.03	0.0	225.0	-816.69	498.58	-11.33	-264.21	-256.78	-1.059e+05
						450.0	-678.75	498.58	-11.33	-264.21	-3635.12	1.571e+04
89	45	2.349e+05	8038.60	1.34	0.0	0.0	-3420.38	-520.61	29.73	276.53	-6998.70	2.349e+05
		-1.825e+04	-6998.70	-0.06	0.0	225.0	-3282.43	-520.61	29.73	276.53	519.95	1.083e+05
						450.0	-3144.49	-520.61	29.73	276.53	8038.60	-1.825e+04
89	51	9.979e+04	5155.61	0.57	0.0	0.0	-4847.21	-226.52	22.73	118.54	-6099.35	9.979e+04
		-4.654e+04	-6099.35	-0.10	0.0	225.0	-4709.27	-226.52	22.73	118.54	-471.87	2.663e+04

						450.0	-4571.33	-226.52	22.73	118.54	5155.61	-4.654e+04
89	53	1.961e+05	7779.85	1.13	0.0	0.0	-3935.40	-430.40	30.36	231.07	-7904.57	1.961e+05
		-2.244e+04	-7904.57	-0.07	0.0	225.0	-3797.46	-430.40	30.36	231.07	-62.36	8.681e+04
						450.0	-3659.52	-430.40	30.36	231.07	7779.85	-2.244e+04
89	54	4.399e+04	2222.21	-0.53	0.0	0.0	472.20	204.49	-4.33	-106.21	2222.21	-9.242e+04
		-9.242e+04	-752.12	0.08	0.0	225.0	610.15	204.49	-4.33	-106.21	735.04	-2.421e+04
						450.0	748.09	204.49	-4.33	-106.21	-752.12	4.399e+04
89	76	7059.86	464.17	-0.55	0.0	0.0	-1581.39	207.67	-0.24	-112.40	464.17	-9.527e+04
		-9.527e+04	-502.06	7.06e-03	0.0	225.0	-1443.45	207.67	-0.24	-112.40	-18.95	-4.411e+04
						450.0	-1305.50	207.67	-0.24	-112.40	-502.06	7059.86
89	77	1.026e+05	4905.55	0.59	0.0	0.0	-2793.62	-229.71	18.64	124.73	-4341.30	1.026e+05
		-9605.25	-4341.30	-0.03	0.0	225.0	-2655.68	-229.71	18.64	124.73	282.12	4.652e+04
						450.0	-2517.73	-229.71	18.64	124.73	4905.55	-9605.25
89	83	4.490e+04	3627.63	0.25	0.0	0.0	-3492.33	-105.07	15.82	56.07	-3991.43	4.490e+04
		-2.324e+04	-3991.43	-0.06	0.0	225.0	-3354.39	-105.07	15.82	56.07	-181.90	1.083e+04
						450.0	-3216.44	-105.07	15.82	56.07	3627.63	-2.324e+04
89	85	8.611e+04	4800.85	0.50	0.0	0.0	-3052.47	-192.99	19.17	107.09	-4840.11	8.611e+04
		-1.161e+04	-4840.11	-0.04	0.0	225.0	-2914.52	-192.99	19.17	107.09	-19.63	3.725e+04
						450.0	-2776.58	-192.99	19.17	107.09	4800.85	-1.161e+04
89	86	2.069e+04	775.86	-0.22	0.0	0.0	-882.68	83.03	2.58	-43.74	114.30	-3.753e+04
		-3.753e+04	114.30	0.03	0.0	225.0	-744.74	83.03	2.58	-43.74	445.08	-8417.83
						450.0	-606.79	83.03	2.58	-43.74	775.86	2.069e+04
89	87	1.171e+04	1390.81	-0.23	0.0	0.0	-2680.75	130.02	9.32	139.08	-2803.55	-4.680e+04
		-4.680e+04	-2803.55	-0.03	0.0	225.0	-2542.80	130.02	9.32	139.08	-706.37	-1.754e+04
						450.0	-2404.86	130.02	9.32	139.08	1390.81	1.171e+04
89	94	2.025e+04	735.02	-0.39	0.0	0.0	-3076.40	221.43	9.53	229.75	-3553.54	-7.939e+04
		-7.939e+04	-3553.54	-0.05	0.0	225.0	-2938.46	221.43	9.53	229.75	-1409.26	-2.957e+04
						450.0	-2800.51	221.43	9.53	229.75	735.02	2.025e+04
89	96	1.983e+04	331.93	-0.37	0.0	0.0	-3310.29	212.27	9.98	236.94	-4160.21	-7.569e+04
		-7.569e+04	-4160.21	-0.06	0.0	225.0	-3172.35	212.27	9.98	236.94	-1914.14	-2.793e+04
						450.0	-3034.40	212.27	9.98	236.94	331.93	1.983e+04
89	97	1.952e+04	298.19	-0.37	0.0	0.0	-3441.74	211.42	9.90	236.73	-4157.92	-7.562e+04
		-7.562e+04	-4157.92	-0.06	0.0	225.0	-3303.79	211.42	9.90	236.73	-1929.86	-2.805e+04
						450.0	-3165.85	211.42	9.90	236.73	298.19	1.952e+04
89	98	2098.37	2374.50	8.76e-03	0.0	0.0	-2087.27	-7.09	9.01	3.08	-1678.57	2098.37
		-1091.57	-1678.57	-9.14e-03	0.0	225.0	-1949.32	-7.09	9.01	3.08	347.97	503.40
						450.0	-1811.38	-7.09	9.01	3.08	2374.50	-1091.57
89	99	4741.71	2086.57	0.02	0.0	0.0	-2254.33	-13.63	9.33	8.22	-2111.90	4741.71
		-1393.44	-2111.90	-0.02	0.0	225.0	-2116.39	-13.63	9.33	8.22	-12.67	1674.13
						450.0	-1978.44	-13.63	9.33	8.22	2086.57	-1393.44
89	103	3176.77	2046.60	-0.07	0.0	0.0	-2285.09	38.62	9.11	48.41	-2053.56	-1.420e+04
		-1.420e+04	-2053.56	-0.02	0.0	225.0	-2147.15	38.62	9.11	48.41	-3.48	-5511.69
						450.0	-2009.21	38.62	9.11	48.41	2046.60	3176.77
89	104	2995.65	1873.85	-0.06	0.0	0.0	-2385.33	34.69	9.31	51.50	-2313.56	-1.261e+04
		-1.261e+04	-2313.56	-0.02	0.0	225.0	-2247.39	34.69	9.31	51.50	-219.86	-4809.25
						450.0	-2109.45	34.69	9.31	51.50	1873.85	2995.65
89	105	2098.37	2374.50	8.76e-03	0.0	0.0	-2087.27	-7.09	9.01	3.08	-1678.57	2098.37
		-1091.57	-1678.57	-9.14e-03	0.0	225.0	-1949.32	-7.09	9.01	3.08	347.97	503.40
						450.0	-1811.38	-7.09	9.01	3.08	2374.50	-1091.57
89	106	3684.37	2201.74	0.02	0.0	0.0	-2187.51	-11.02	9.20	6.16	-1938.57	3684.37
		-1272.69	-1938.57	-0.01	0.0	225.0	-2049.56	-11.02	9.20	6.16	131.59	1205.84
						450.0	-1911.62	-11.02	9.20	6.16	2201.74	-1272.69
90	3	-8717.55	6.346e+04	-0.15	0.0	0.0	-1331.65	258.29	501.61	-512.47	-6.646e+04	-7.561e+04
		-7.561e+04	-6.646e+04	-0.18	0.0	129.5	-1228.44	258.29	501.61	-512.47	-1497.03	-4.217e+04
						259.0	-1125.23	258.29	501.61	-512.47	6.346e+04	-8717.55
90	11	-6015.71	4.838e+04	-0.15	0.0	0.0	-1596.65	273.72	386.51	-395.61	-5.173e+04	-7.691e+04
		-7.691e+04	-5.173e+04	-0.15	0.0	129.5	-1493.44	273.72	386.51	-395.61	-1676.79	-4.146e+04
						259.0	-1390.23	273.72	386.51	-395.61	4.838e+04	-6015.71
90	19	2.507e+04	7304.24	-0.26	0.0	0.0	868.88	680.24	83.22	-92.38	-1.425e+04	-1.511e+05
		-1.511e+05	-1.425e+04	-0.06	0.0	129.5	948.28	680.24	83.22	-92.38	-3472.20	-6.302e+04
						259.0	1027.67	680.24	83.22	-92.38	7304.24	2.507e+04
90	32	2.383e+04	1.325e+04	-0.42	0.0	0.0	677.52	986.88	108.56	-534.24	-1.318e+04	-2.344e+05
		-2.344e+05	-1.318e+04	-0.02	0.0	129.5	756.91	986.88	108.56	-534.24	34.85	-1.053e+05
						259.0	836.31	986.88	108.56	-534.24	1.325e+04	2.383e+04
90	33	2.506e+05	3.132e+04	0.43	0.0	0.0	-4778.65	-1144.95	233.45	196.73	-3.082e+04	2.506e+05
		-4.862e+04	-3.082e+04	-0.09	0.0	129.5	-4699.26	-1144.95	233.45	196.73	253.07	1.010e+05
						259.0	-4619.86	-1144.95	233.45	196.73	3.132e+04	-4.862e+04
90	35	1.099e+04	1.633e+04	-0.26	0.0	0.0	2481.65	580.55	134.39	-367.59	-1.783e+04	-1.416e+05
		-1.416e+05	-1.783e+04	-0.04	0.0	129.5	2561.05	580.55	134.39	-367.59	-752.96	-6.530e+04
						259.0	2640.44	580.55	134.39	-367.59	1.633e+04	1.099e+04
90	37	2.451e+05	3.142e+04	0.42	0.0	0.0	-4704.64	-1121.09	233.84	180.98	-3.107e+04	2.451e+05
		-4.800e+04	-3.107e+04	-0.10	0.0	129.5	-4625.24	-1121.09	233.84	180.98	177.93	9.856e+04
						259.0	-4545.85	-1121.09	233.84	180.98	3.142e+04	-4.800e+04
90	38	1.578e+05	2.825e+04	0.26	0.0	0.0	-6582.79	-738.62	207.62	30.08	-2.617e+04	1.578e+05
		-3.579e+04	-2.617e+04	-0.07	0.0	129.5	-6503.39	-738.62	207.62	30.08	1040.88	6.098e+04
						259.0	-6424.00	-738.62	207.62	30.08	2.825e+04	-3.579e+04
90	53	2.117e+05	2.984e+04	0.36	0.0	0.0	1.74	-971.74	229.61	165.03	-3.215e+04	2.117e+05

		-4.160e+04 -3.215e+04	-0.11	0.0	129.5	81.13	-971.74	229.61	165.03	-1154.67	8.505e+04
					259.0	160.53	-971.74	229.61	165.03	2.984e+04 -4.160e+04	
90	56	4642.85 1.801e+04	-0.19	0.0	0.0	-1016.39	409.92	140.71	-126.83	-1.803e+04 -1.026e+05	
		-1.026e+05 -1.803e+04	-0.04	0.0	129.5	-937.00	409.92	140.71	-126.83	-7.10 -4.897e+04	
					259.0	-857.60	409.92	140.71	-126.83	1.801e+04 4642.85	
90	57	1.187e+05 2.656e+04	0.20	0.0	0.0	-3084.74	-567.98	201.30	-210.68	-2.597e+04 1.187e+05	
		-2.943e+04 -2.597e+04	-0.07	0.0	129.5	-3005.35	-567.98	201.30	-210.68	295.02 4.464e+04	
					259.0	-2925.95	-567.98	201.30	-210.68	2.656e+04 -2.943e+04	
90	67	-1539.70 1.945e+04	-0.11	0.0	0.0	59.50	219.79	153.63	-260.08	-2.003e+04 -5.962e+04	
		-5.962e+04 -2.003e+04	-0.05	0.0	129.5	138.90	219.79	153.63	-260.08	-289.70 -3.058e+04	
					259.0	218.29	219.79	153.63	-260.08	1.945e+04 -1539.70	
90	69	1.144e+05 2.668e+04	0.19	0.0	0.0	-3272.91	-547.01	201.44	-8.98	-2.643e+04 1.144e+05	
		-2.874e+04 -2.643e+04	-0.08	0.0	129.5	-3193.52	-547.01	201.44	-8.98	126.50 4.282e+04	
					259.0	-3114.12	-547.01	201.44	-8.98	2.668e+04 -2.874e+04	
90	70	7.577e+04 2.513e+04	0.12	0.0	0.0	-4160.64	-377.86	188.38	-77.44	-2.398e+04 7.577e+04	
		-2.325e+04 -2.398e+04	-0.06	0.0	129.5	-4081.24	-377.86	188.38	-77.44	577.62 2.626e+04	
					259.0	-4001.85	-377.86	188.38	-77.44	2.513e+04 -2.325e+04	
90	85	9.853e+04 2.595e+04	0.16	0.0	0.0	-1070.89	-475.97	199.93	-17.00	-2.704e+04 9.853e+04	
		-2.562e+04 -2.704e+04	-0.08	0.0	129.5	-991.50	-475.97	199.93	-17.00	-545.48 3.645e+04	
					259.0	-912.10	-475.97	199.93	-17.00	2.595e+04 -2.562e+04	
90	89	-6859.27 4.373e+04	-0.10	0.0	0.0	-1136.49	165.45	345.37	-352.11	-4.572e+04 -4.971e+04	
		-4.971e+04 -4.572e+04	-0.13	0.0	129.5	-1057.09	165.45	345.37	-352.11	-992.90 -2.829e+04	
					259.0	-977.70	165.45	345.37	-352.11	4.373e+04 -6859.27	
90	93	-5058.04 3.368e+04	-0.10	0.0	0.0	-1313.15	175.74	268.63	-274.21	-3.590e+04 -5.057e+04	
		-5.057e+04 -3.590e+04	-0.10	0.0	129.5	-1233.76	175.74	268.63	-274.21	-1112.74 -2.782e+04	
					259.0	-1154.36	175.74	268.63	-274.21	3.368e+04 -5058.04	
90	94	1.357e+04 9184.15	-0.17	0.0	0.0	-86.94	433.37	88.72	-93.52	-1.380e+04 -9.867e+04	
		-9.867e+04 -1.380e+04	-0.05	0.0	129.5	-7.55	433.37	88.72	-93.52	-2305.70 -4.255e+04	
					259.0	71.84	433.37	88.72	-93.52	9184.15 1.357e+04	
90	99	9495.87 2.895e+04	5.44e-03	0.0	0.0	-2110.59	-93.34	221.85	-220.69	-2.851e+04 9495.87	
		-1.468e+04 -2.851e+04	-0.07	0.0	129.5	-2031.19	-93.34	221.85	-220.69	219.63 -2591.59	
					259.0	-1951.80	-93.34	221.85	-220.69	2.895e+04 -1.468e+04	
90	103	-4461.94 1.168e+04	-0.03	0.0	0.0	-1585.82	40.62	93.53	-91.39	-1.255e+04 -1.498e+04	
		-1.498e+04 -1.255e+04	-0.04	0.0	129.5	-1506.42	40.62	93.53	-91.39	-436.77 -9721.83	
					259.0	-1427.03	40.62	93.53	-91.39	1.168e+04 -4461.94	
90	105	5939.58 1.230e+04	3.48e-03	0.0	0.0	-1960.54	-57.57	94.73	-90.86	-1.224e+04 5939.58	
		-8971.17 -1.224e+04	-0.03	0.0	129.5	-1881.14	-57.57	94.73	-90.86	30.46 -1515.79	
					259.0	-1801.75	-57.57	94.73	-90.86	1.230e+04 -8971.17	
90	106	8073.36 2.229e+04	4.66e-03	0.0	0.0	-2050.57	-79.03	171.01	-168.76	-2.200e+04 8073.36	
		-1.240e+04 -2.200e+04	-0.06	0.0	129.5	-1971.17	-79.03	171.01	-168.76	143.96 -2161.27	
					259.0	-1891.78	-79.03	171.01	-168.76	2.229e+04 -1.240e+04	
94	5	4.469e+04 5331.15	-7.43e-03	0.0	0.0	-806.95	338.42	119.40	66.82	-6609.22 1.085e+04	
		1.085e+04 -6609.22	-0.01	0.0	50.0	-776.30	338.42	119.40	66.82	-639.03 2.777e+04	
					100.0	-745.64	338.42	119.40	66.82	5331.15 4.469e+04	
94	9	1.078e+05 1.410e+04	4.69e-03	0.0	0.0	-1865.01	889.92	253.53	28.34	-1.125e+04 1.877e+04	
		1.877e+04 -1.125e+04	-0.03	0.0	50.0	-1825.16	889.92	253.53	28.34	1426.71 6.327e+04	
					100.0	-1785.31	889.92	253.53	28.34	1.410e+04 1.078e+05	
94	11	1.096e+05 1.400e+04	-7.45e-03	0.0	0.0	-1868.68	817.46	242.75	46.54	-1.027e+04 2.783e+04	
		2.783e+04 -1.027e+04	-0.03	0.0	50.0	-1828.83	817.46	242.75	46.54	1864.25 6.871e+04	
					100.0	-1788.98	817.46	242.75	46.54	1.400e+04 1.096e+05	
94	16	8.664e+04 1.012e+04	-0.01	0.0	0.0	-1506.65	684.93	230.78	103.81	-1.296e+04 1.814e+04	
		1.814e+04 -1.296e+04	-0.02	0.0	50.0	-1466.80	684.93	230.78	103.81	-1418.72 5.239e+04	
					100.0	-1426.95	684.93	230.78	103.81	1.012e+04 8.664e+04	
94	27	9.262e+04 2448.48	-0.12	0.0	0.0	-873.70	571.69	192.42	-29.47	-1.690e+04 3.586e+04	
		3.586e+04 -1.690e+04	-2.73e-03	0.0	50.0	-843.05	571.69	192.42	-29.47	-7227.96 6.424e+04	
					100.0	-812.39	571.69	192.42	-29.47	2448.48 9.262e+04	
94	30	-6221.65 1.518e+04	0.13	0.0	0.0	-715.93	51.56	-40.56	-10.13	1.518e+04 -1.179e+04	
		-1.179e+04 1.101e+04	-0.03	0.0	50.0	-685.28	51.56	-40.56	-10.13	1.310e+04 -9006.81	
					100.0	-654.62	51.56	-40.56	-10.13	1.101e+04 -6221.65	
94	44	3.193e+04 -1.538e+04	-0.09	0.0	0.0	-1256.78	244.29	646.50	-146.37	-7.967e+04 7016.01	
		7016.01 -7.967e+04	0.04	0.0	50.0	-1226.13	244.29	646.50	-146.37	-4.752e+04 1.947e+04	
					100.0	-1195.47	244.29	646.50	-146.37	-1.538e+04 3.193e+04	
94	45	5.447e+04 7.795e+04	0.10	0.0	0.0	-332.85	378.96	-494.64	106.77	7.795e+04 1.706e+04	
		1.706e+04 2.884e+04	-0.07	0.0	50.0	-302.20	378.96	-494.64	106.77	5.339e+04 3.576e+04	
					100.0	-271.55	378.96	-494.64	106.77	2.884e+04 5.447e+04	
94	58	1.949e+04 8372.73	0.07	0.0	0.0	-766.70	187.12	35.05	-18.82	4889.98 587.34	
		587.34 4889.98	-0.02	0.0	50.0	-736.05	187.12	35.05	-18.82	6631.36 1.004e+04	
					100.0	-705.39	187.12	35.05	-18.82	8372.73 1.949e+04	
94	59	6.695e+04 4763.89	-0.06	0.0	0.0	-829.26	436.93	129.96	-24.42	-8291.69 2.347e+04	
		2.347e+04 -8291.69	-9.21e-03	0.0	50.0	-798.60	436.93	129.96	-24.42	-1763.90 4.521e+04	
					100.0	-767.95	436.93	129.96	-24.42	4763.89 6.695e+04	
94	76	3.780e+04 -3074.98	-0.04	0.0	0.0	-997.11	279.31	326.21	-81.85	-3.550e+04 9628.33	
		9628.33 -3.550e+04	0.01	0.0	50.0	-966.46	279.31	326.21	-81.85	-1.929e+04 2.371e+04	
					100.0	-935.81	279.31	326.21	-81.85	-3074.98 3.780e+04	
94	77	4.860e+04 3.377e+04	0.05	0.0	0.0	-592.52	343.94	-174.36	42.25	3.377e+04 1.444e+04	
		1.444e+04 1.653e+04	-0.04	0.0	50.0	-561.87	343.94	-174.36	42.25	2.515e+04 3.152e+04	
					100.0	-531.21	343.94	-174.36	42.25	1.653e+04 4.860e+04	

94	87	4.509e+04	5943.49	-4.36e-03	0.0	0.0	-819.68	343.13	108.15	35.72	-4871.48	1.077e+04
		1.077e+04	-4871.48	-0.01	0.0	50.0	-789.03	343.13	108.15	35.72	536.01	2.793e+04
						100.0	-758.37	343.13	108.15	35.72	5943.49	4.509e+04
94	91	7.647e+04	1.017e+04	3.79e-03	0.0	0.0	-1332.05	630.86	177.34	16.06	-7567.42	1.338e+04
		1.338e+04	-7567.42	-0.02	0.0	50.0	-1301.39	630.86	177.34	16.06	1299.79	4.492e+04
						100.0	-1270.74	630.86	177.34	16.06	1.017e+04	7.647e+04
94	93	7.768e+04	1.010e+04	-4.92e-03	0.0	0.0	-1334.50	582.55	170.16	28.19	-6916.40	1.942e+04
		1.942e+04	-6916.40	-0.02	0.0	50.0	-1303.84	582.55	170.16	28.19	1591.48	4.855e+04
						100.0	-1273.19	582.55	170.16	28.19	1.010e+04	7.768e+04
94	95	6.238e+04	7511.60	-6.91e-03	0.0	0.0	-1093.14	494.19	162.18	66.37	-8705.92	1.296e+04
		1.296e+04	-8705.92	-0.02	0.0	50.0	-1062.49	494.19	162.18	66.37	-597.16	3.767e+04
						100.0	-1031.83	494.19	162.18	66.37	7511.60	6.238e+04
94	98	4.268e+04	6758.95	5.95e-03	0.0	0.0	-793.77	332.33	79.01	-25.00	-1141.76	9446.32
		9446.32	-1141.76	-0.02	0.0	50.0	-763.11	332.33	79.01	-25.00	2808.60	2.606e+04
						100.0	-732.46	332.33	79.01	-25.00	6758.95	4.268e+04
94	100	4.895e+04	7603.66	7.19e-03	0.0	0.0	-896.24	389.87	92.85	-28.93	-1680.95	9967.41
		9967.41	-1680.95	-0.02	0.0	50.0	-865.59	389.87	92.85	-28.93	2961.35	2.946e+04
						100.0	-834.93	389.87	92.85	-28.93	7603.66	4.895e+04
94	102	4.947e+04	7574.67	5.69e-03	0.0	0.0	-897.29	369.17	89.77	-23.73	-1401.95	1.256e+04
		1.256e+04	-1401.95	-0.02	0.0	50.0	-866.64	369.17	89.77	-23.73	3086.36	3.102e+04
						100.0	-835.98	369.17	89.77	-23.73	7574.67	4.947e+04
94	103	4.348e+04	6487.13	3.18e-03	0.0	0.0	-802.41	335.93	88.72	-4.76	-2385.00	9889.01
		9889.01	-2385.00	-0.01	0.0	50.0	-771.75	335.93	88.72	-4.76	2051.07	2.669e+04
						100.0	-741.10	335.93	88.72	-4.76	6487.13	4.348e+04
94	105	4.268e+04	6758.95	5.95e-03	0.0	0.0	-793.77	332.33	79.01	-25.00	-1141.76	9446.32
		9446.32	-1141.76	-0.02	0.0	50.0	-763.11	332.33	79.01	-25.00	2808.60	2.606e+04
						100.0	-732.46	332.33	79.01	-25.00	6758.95	4.268e+04
94	106	4.320e+04	6729.97	4.46e-03	0.0	0.0	-794.82	311.62	75.93	-19.80	-862.76	1.204e+04
		1.204e+04	-862.76	-0.01	0.0	50.0	-764.16	311.62	75.93	-19.80	2933.61	2.762e+04
						100.0	-733.51	311.62	75.93	-19.80	6729.97	4.320e+04
95	7	-1.556e+04	1.762e+04	-0.01	0.0	0.0	-1292.02	23.20	421.37	76.20	-2.452e+04	-1.788e+04
		-1.788e+04	-2.452e+04	-0.05	0.0	50.0	-1261.36	23.20	421.37	76.20	-3453.35	-1.672e+04
						100.0	-1230.71	23.20	421.37	76.20	1.762e+04	1.556e+04
95	9	1.131e+04	5.019e+04	-3.91e-03	0.0	0.0	-3349.70	-683.92	1206.18	46.84	-7.043e+04	1.131e+04
		-5.708e+04	-7.043e+04	-0.12	0.0	50.0	-3309.85	-683.92	1206.18	46.84	-1.012e+04	-2.289e+04
						100.0	-3270.00	-683.92	1206.18	46.84	5.019e+04	-5.708e+04
95	12	1.202e+04	4.230e+04	-5.06e-03	0.0	0.0	-2834.14	-592.38	1016.37	37.31	-4.722e+04	-5.933e+04
		-4.722e+04	-5.933e+04	-0.10	0.0	50.0	-2803.49	-592.38	1016.37	37.31	-8516.47	-1.760e+04
						100.0	-2772.84	-592.38	1016.37	37.31	4.230e+04	-4.722e+04
95	27	8.679e+04	5.756e+04	-0.12	0.0	0.0	-1761.36	494.29	1046.50	-68.68	-3.880e+04	2.768e+04
		2.768e+04	-3.880e+04	-0.03	0.0	50.0	-1730.71	494.29	1046.50	-68.68	9381.13	5.756e+04
						100.0	-1700.05	494.29	1046.50	-68.68	5.756e+04	8.679e+04
95	30	-3.685e+04	-1.501e+04	0.13	0.0	0.0	-1010.91	-920.64	-29.03	141.74	-2.039e+04	-3.685e+04
		-1.386e+05	-2.039e+04	-0.08	0.0	50.0	-980.26	-920.64	-29.03	141.74	-1.770e+04	-8.773e+04
						100.0	-949.60	-920.64	-29.03	141.74	-1.501e+04	-1.386e+05
95	35	5.661e+04	6.259e+04	-0.08	0.0	0.0	-1711.17	315.77	1115.90	-321.76	-4.938e+04	1.547e+04
		1.547e+04	-4.938e+04	-0.02	0.0	50.0	-1680.52	315.77	1115.90	-321.76	6605.59	3.604e+04
						100.0	-1649.86	315.77	1115.90	-321.76	6.259e+04	5.661e+04
95	44	2.004e+04	3480.93	-0.09	0.0	0.0	-1275.23	-387.01	237.71	-579.53	-6.838e+04	2.004e+04
		-5.182e+04	-6.838e+04	8.66e-03	0.0	50.0	-1244.57	-387.01	237.71	-579.53	-3.245e+04	-1.589e+04
						100.0	-1213.92	-387.01	237.71	-579.53	3480.93	-5.182e+04
95	59	2.827e+04	3.876e+04	-0.06	0.0	0.0	-1566.78	128.01	768.13	-12.39	-3.392e+04	1.097e+04
		1.097e+04	-3.392e+04	-0.04	0.0	50.0	-1536.13	128.01	768.13	-12.39	2419.43	1.962e+04
						100.0	-1505.47	128.01	768.13	-12.39	3.876e+04	2.827e+04
95	62	-2.015e+04	3803.09	0.06	0.0	0.0	-1205.49	-554.36	249.35	85.45	-2.527e+04	-8.008e+04
		-8.008e+04	-2.527e+04	-0.07	0.0	50.0	-1174.84	-554.36	249.35	85.45	-1.073e+04	-5.012e+04
						100.0	-1144.18	-554.36	249.35	85.45	3803.09	-8.008e+04
95	67	1.339e+04	4.121e+04	-0.04	0.0	0.0	-1542.45	40.38	797.45	-134.87	-3.812e+04	4890.52
		4890.52	-3.812e+04	-0.04	0.0	50.0	-1511.80	40.38	797.45	-134.87	1545.88	9142.07
						100.0	-1481.14	40.38	797.45	-134.87	4.121e+04	1.339e+04
95	76	6988.28	1.281e+04	-0.04	0.0	0.0	-1335.14	-297.56	372.84	-251.54	-4.703e+04	6988.28
		-3.834e+04	-4.703e+04	-0.03	0.0	50.0	-1304.48	-297.56	372.84	-251.54	-1.711e+04	-1.568e+04
						100.0	-1273.83	-297.56	372.84	-251.54	1.281e+04	-3.834e+04
95	89	-1.225e+04	1.956e+04	-8.25e-03	0.0	0.0	-1360.62	-75.14	467.86	60.13	-2.723e+04	-1.225e+04
		-1.976e+04	-2.723e+04	-0.05	0.0	50.0	-1329.96	-75.14	467.86	60.13	-3832.04	-1.601e+04
						100.0	-1299.31	-75.14	467.86	60.13	1.956e+04	-1.976e+04
95	91	7681.46	3.602e+04	-2.28e-03	0.0	0.0	-2388.70	-485.53	864.53	34.21	-5.043e+04	7681.46
		-4.087e+04	-5.043e+04	-0.09	0.0	50.0	-2358.05	-485.53	864.53	34.21	-7207.46	-1.660e+04
						100.0	-2327.39	-485.53	864.53	34.21	3.602e+04	-4.087e+04
95	99	-7377.72	2.064e+04	2.64e-03	0.0	0.0	-1374.75	-183.59	494.53	43.29	-2.881e+04	-7377.72
		-2.574e+04	-2.881e+04	-0.05	0.0	50.0	-1344.09	-183.59	494.53	43.29	-4086.17	-1.656e+04
						100.0	-1313.44	-183.59	494.53	43.29	2.064e+04	-2.574e+04
95	100	794.12	2.489e+04	4.08e-03	0.0	0.0	-1597.45	-310.05	595.17	27.96	-3.463e+04	794.12
		-3.021e+04	-3.463e+04	-0.06	0.0	50.0	-1566.79	-310.05	595.17	27.96	-4868.53	-1.471e+04
						100.0	-1536.14	-310.05	595.17	27.96	2.489e+04	-3.021e+04
95	105	-401.82	2.224e+04	3.50e-03	0.0	0.0	-1403.22	-257.56	530.05	26.39	-3.077e+04	-401.82
		-2.616e+04	-3.077e+04	-0.05	0.0	50.0	-1372.57	-257.56	530.05	26.39	-4264.97	-1.328e+04

						100.0	-1341.91	-257.56	530.05	26.39	2.224e+04	-2.616e+04
95	106	-4587.36	2.128e+04	2.93e-03	0.0	0.0	-1386.14	-213.18	508.74	36.53	-2.959e+04	-4587.36
		-2.591e+04	-2.959e+04	-0.05	0.0	50.0	-1355.48	-213.18	508.74	36.53	-4157.69	-1.525e+04
						100.0	-1324.83	-213.18	508.74	36.53	2.128e+04	-2.591e+04
100	3	2.023e+04	3.220e+04	3.74e-03	0.0	0.0	-3644.41	-283.69	-689.20	357.25	3.220e+04	2.023e+04
		-4165.32	-2.707e+04	0.01	0.0	43.0	-3610.14	-283.69	-689.20	357.25	2563.86	8033.14
						86.0	-3575.87	-283.69	-689.20	357.25	-2.707e+04	-4165.32
100	4	2.039e+04	3.218e+04	3.73e-03	0.0	0.0	-3738.87	-289.93	-688.71	356.50	3.218e+04	2.039e+04
		-4546.58	-2.705e+04	0.01	0.0	43.0	-3704.60	-289.93	-688.71	356.50	2568.10	7920.38
						86.0	-3670.33	-289.93	-688.71	356.50	-2.705e+04	-4546.58
100	5	2876.12	2574.32	1.13e-04	0.0	0.0	-2001.52	-108.11	-94.59	56.53	2574.32	2876.12
		-6421.27	-5560.69	3.02e-04	0.0	43.0	-1975.15	-108.11	-94.59	56.53	-1493.18	-1772.57
						86.0	-1948.79	-108.11	-94.59	56.53	-5560.69	-6421.27
100	18	1.506e+04	2.094e+04	2.09e-03	0.0	0.0	-3807.70	-289.78	-486.09	269.89	2.094e+04	1.506e+04
		-9863.19	-2.086e+04	6.16e-03	0.0	43.0	-3773.43	-289.78	-486.09	269.89	39.34	2597.51
						86.0	-3739.16	-289.78	-486.09	269.89	-2.086e+04	-9863.19
100	20	2473.98	-564.47	-6.80e-04	0.0	0.0	-2516.73	-162.98	-53.52	52.64	-564.47	2473.98
		-1.154e+04	-5167.20	-1.85e-03	0.0	43.0	-2490.37	-162.98	-53.52	52.64	-2865.83	-4534.07
						86.0	-2464.01	-162.98	-53.52	52.64	-5167.20	-1.154e+04
100	27	-2.084e+04	1.459e+04	-0.03	0.0	0.0	504.23	-2360.59	-292.09	75.17	1.459e+04	-2.084e+04
		-2.238e+05	-1.061e+04	-6.36e-04	0.0	43.0	530.60	-2360.59	-292.09	75.17	1988.94	-1.223e+05
						86.0	556.96	-2360.59	-292.09	75.17	-1.061e+04	-2.238e+05
100	28	-1.398e+04	2.114e+04	-0.02	0.0	0.0	1860.35	-1799.31	-381.79	104.70	2.114e+04	-1.398e+04
		-1.687e+05	-1.186e+04	3.64e-03	0.0	43.0	1886.71	-1799.31	-381.79	104.70	4639.94	-9.134e+04
						86.0	1913.08	-1799.31	-381.79	104.70	-1.186e+04	-1.687e+05
100	29	1.710e+05	4537.04	0.02	0.0	0.0	-5121.37	1661.80	-152.02	132.67	4537.04	2.806e+04
		2.806e+04	-8376.98	5.47e-03	0.0	43.0	-5095.01	1661.80	-152.02	132.67	-1919.97	9.951e+04
						86.0	-5068.64	1661.80	-152.02	132.67	-8376.98	1.710e+05
100	30	2.261e+05	1.108e+04	0.03	0.0	0.0	-3765.25	2223.08	-241.72	162.19	1.108e+04	3.492e+04
		3.492e+04	-9621.91	8.98e-03	0.0	43.0	-3738.89	2223.08	-241.72	162.19	731.03	1.305e+05
						86.0	-3712.53	2223.08	-241.72	162.19	-9621.91	2.261e+05
100	44	4.384e+04	1.937e+04	7.07e-03	0.0	0.0	748.00	366.07	-359.61	180.62	1.937e+04	1.238e+04
		1.238e+04	-1.288e+04	7.98e-03	0.0	43.0	774.36	366.07	-359.61	180.62	3245.47	2.811e+04
						86.0	800.73	366.07	-359.61	180.62	-1.288e+04	4.384e+04
100	54	1.328e+05	2.630e+04	0.02	0.0	0.0	17.04	1271.75	-452.42	157.91	2.630e+04	2.345e+04
		2.345e+04	-1.161e+04	0.01	0.0	43.0	43.40	1271.75	-452.42	157.91	7344.27	7.813e+04
						86.0	69.77	1271.75	-452.42	157.91	-1.161e+04	1.328e+05
100	59	-6399.90	1.363e+04	-0.01	0.0	0.0	-606.43	-1172.67	-278.31	97.54	1.363e+04	-6399.90
		-1.072e+05	-1.034e+04	2.42e-03	0.0	43.0	-580.07	-1172.67	-278.31	97.54	1646.05	-5.682e+04
						86.0	-553.71	-1172.67	-278.31	97.54	-1.034e+04	-1.072e+05
100	60	-3096.41	1.685e+04	-8.95e-03	0.0	0.0	54.65	-902.51	-322.24	112.25	1.685e+04	-3096.41
		-8.070e+04	-1.094e+04	4.14e-03	0.0	43.0	81.01	-902.51	-322.24	112.25	2956.78	-4.190e+04
						86.0	107.38	-902.51	-322.24	112.25	-1.094e+04	-8.070e+04
100	61	8.295e+04	8824.91	0.01	0.0	0.0	-3315.67	765.00	-211.57	125.11	8824.91	1.718e+04
		1.718e+04	-9298.52	4.98e-03	0.0	43.0	-3289.31	765.00	-211.57	125.11	-236.80	5.007e+04
						86.0	-3262.95	765.00	-211.57	125.11	-9298.52	8.295e+04
100	62	1.095e+05	1.204e+04	0.02	0.0	0.0	-2654.59	1035.16	-255.50	139.82	1.204e+04	2.048e+04
		2.048e+04	-9893.36	6.70e-03	0.0	43.0	-2628.22	1035.16	-255.50	139.82	1073.92	6.498e+04
						86.0	-2601.86	1035.16	-255.50	139.82	-9893.36	1.095e+05
100	76	2.173e+04	1.600e+04	4.22e-03	0.0	0.0	-475.21	140.99	-311.31	149.31	1.600e+04	9611.50
		9611.50	-1.140e+04	6.23e-03	0.0	43.0	-448.85	140.99	-311.31	149.31	2299.30	1.567e+04
						86.0	-422.49	140.99	-311.31	149.31	-1.140e+04	2.173e+04
100	86	6.449e+04	1.942e+04	9.72e-03	0.0	0.0	-824.00	576.21	-357.42	138.43	1.942e+04	1.495e+04
		1.495e+04	-1.083e+04	8.08e-03	0.0	43.0	-797.64	576.21	-357.42	138.43	4295.75	3.972e+04
						86.0	-771.28	576.21	-357.42	138.43	-1.083e+04	6.449e+04
100	87	3301.80	4301.88	2.78e-04	0.0	0.0	-1816.65	-84.87	-118.30	59.89	4301.88	3301.80
		-3996.67	-5871.52	8.98e-04	0.0	43.0	-1790.29	-84.87	-118.30	59.89	-784.82	-347.43
						86.0	-1763.92	-84.87	-118.30	59.89	-5871.52	-3996.67
100	89	1.390e+04	2.235e+04	2.59e-03	0.0	0.0	-2598.72	-193.24	-478.38	245.38	2.235e+04	1.390e+04
		-2714.37	-1.880e+04	7.59e-03	0.0	43.0	-2572.36	-193.24	-478.38	245.38	1774.90	5595.08
						86.0	-2545.99	-193.24	-478.38	245.38	-1.880e+04	-2714.37
100	90	1.401e+04	2.233e+04	2.58e-03	0.0	0.0	-2661.69	-197.41	-478.05	244.88	2.233e+04	1.401e+04
		-2968.54	-1.878e+04	7.59e-03	0.0	43.0	-2635.33	-197.41	-478.05	244.88	1777.73	5519.91
						86.0	-2608.97	-197.41	-478.05	244.88	-1.878e+04	-2968.54
100	95	3033.70	2209.36	-1.38e-04	0.0	0.0	-2160.13	-121.44	-90.91	57.30	2209.36	3033.70
		-7410.56	-5609.19	-3.49e-04	0.0	43.0	-2133.76	-121.44	-90.91	57.30	-1699.92	-2188.43
						86.0	-2107.40	-121.44	-90.91	57.30	-5609.19	-7410.56
100	97	1.046e+04	1.484e+04	1.48e-03	0.0	0.0	-2707.58	-197.31	-342.97	187.14	1.484e+04	1.046e+04
		-6512.95	-1.466e+04	4.40e-03	0.0	43.0	-2681.21	-197.31	-342.97	187.14	91.89	1971.33
						86.0	-2654.85	-197.31	-342.97	187.14	-1.466e+04	-6512.95
100	98	3859.69	7423.89	8.72e-04	0.0	0.0	-1395.89	-36.24	-158.88	63.04	7423.89	3859.69
		742.91	-6239.75	2.52e-03	0.0	43.0	-1369.53	-36.24	-158.88	63.04	592.07	2301.30
						86.0	-1343.16	-36.24	-158.88	63.04	-6239.75	742.91
100	99	9161.05	1.645e+04	2.03e-03	0.0	0.0	-1786.92	-90.43	-338.92	155.78	1.645e+04	9161.05
		1384.06	-1.270e+04	5.92e-03	0.0	43.0	-1760.56	-90.43	-338.92	155.78	1871.93	5272.55
						86.0	-1734.20	-90.43	-338.92	155.78	-1.270e+04	1384.06
100	103	3673.73	6383.22	6.71e-04	0.0	0.0	-1536.14	-52.45	-145.35	61.99	6383.22	3673.73

		-836.95	-6117.00	1.95e-03	0.0	43.0	-1509.78	-52.45	-145.35	61.99	133.11	1418.39
						86.0	-1483.42	-52.45	-145.35	61.99	-6117.00	-836.95
100	105	3859.69	7423.89	8.72e-04	0.0	0.0	-1395.89	-36.24	-158.88	63.04	7423.89	3859.69
		742.91	-6239.75	2.52e-03	0.0	43.0	-1369.53	-36.24	-158.88	63.04	592.07	2301.30
						86.0	-1343.16	-36.24	-158.88	63.04	-6239.75	742.91
100	106	7040.51	1.284e+04	1.57e-03	0.0	0.0	-1630.51	-68.75	-266.90	118.68	1.284e+04	7040.51
		1127.60	-1.012e+04	4.56e-03	0.0	43.0	-1604.15	-68.75	-266.90	118.68	1359.99	4084.05
						86.0	-1577.78	-68.75	-266.90	118.68	-1.012e+04	1127.60
101	3	1714.57	1.063e+04	-0.29	0.0	0.0	-2862.29	118.46	47.92	-103.99	-1.093e+04	-5.159e+04
		-5.159e+04	-1.093e+04	-0.09	0.0	225.0	-2682.96	118.46	47.92	-103.99	-149.22	-2.494e+04
						450.0	-2503.63	118.46	47.92	-103.99	1.063e+04	1714.57
101	5	1391.76	1324.71	-0.30	0.0	0.0	-2119.19	121.30	1.07	-86.04	843.34	-5.319e+04
		-5.319e+04	843.34	0.02	0.0	225.0	-1981.25	121.30	1.07	-86.04	1084.03	-2.590e+04
						450.0	-1843.30	121.30	1.07	-86.04	1324.71	1391.76
101	11	1878.87	7295.02	-0.31	0.0	0.0	-4137.67	126.77	32.17	-103.76	-7180.57	-5.517e+04
		-5.517e+04	-7180.57	-0.06	0.0	225.0	-3958.35	126.77	32.17	-103.76	57.22	-2.665e+04
						450.0	-3779.02	126.77	32.17	-103.76	7295.02	1878.87
101	16	2328.84	2452.49	-0.50	0.0	0.0	-3513.50	203.97	-2.95	-143.09	2452.49	-8.946e+04
		-8.946e+04	1126.81	0.05	0.0	225.0	-3334.17	203.97	-2.95	-143.09	1789.65	-4.357e+04
						450.0	-3154.84	203.97	-2.95	-143.09	1126.81	2328.84
101	18	2461.07	7157.67	-0.49	0.0	0.0	-3529.61	200.40	27.45	-153.38	-5192.97	-8.772e+04
		-8.772e+04	-5192.97	-0.03	0.0	225.0	-3350.28	200.40	27.45	-153.38	982.35	-4.263e+04
						450.0	-3170.96	200.40	27.45	-153.38	7157.67	2461.07
101	31	5448.74	5.595e+04	-0.64	0.0	0.0	-3395.80	246.13	-196.67	-279.89	5.595e+04	-1.124e+05
		-1.124e+05	-3.249e+04	0.64	0.0	225.0	-3257.85	246.13	-196.67	-279.89	1.173e+04	-5.346e+04
						450.0	-3119.91	246.13	-196.67	-279.89	-3.249e+04	5448.74
101	32	3343.34	1.204e+05	-1.08	0.0	0.0	-2881.92	414.42	-427.27	-180.71	1.204e+05	-1.898e+05
		-1.898e+05	-7.197e+04	1.36	0.0	225.0	-2743.98	414.42	-427.27	-180.71	2.422e+04	-9.321e+04
						450.0	-2606.04	414.42	-427.27	-180.71	-7.197e+04	3343.34
101	33	1.861e+05	7.966e+04	1.06	0.0	0.0	-1352.69	-404.44	465.37	157.25	-1.299e+05	1.861e+05
		-2537.88	-1.299e+05	-1.45	0.0	225.0	-1214.74	-404.44	465.37	157.25	-2.510e+04	9.177e+04
						450.0	-1076.80	-404.44	465.37	157.25	7.966e+04	-2537.88
101	34	1.087e+05	4.018e+04	0.62	0.0	0.0	-838.82	-236.15	234.77	256.42	-6.540e+04	1.087e+05
		-4643.28	-6.540e+04	-0.73	0.0	225.0	-700.87	-236.15	234.77	256.42	-1.261e+04	5.202e+04
						450.0	-562.93	-236.15	234.77	256.42	4.018e+04	-4643.28
101	44	-1908.27	1.306e+05	-1.00	0.0	0.0	-1567.32	383.06	-464.59	87.99	1.306e+05	-1.756e+05
		-1.756e+05	-7.877e+04	1.47	0.0	225.0	-1429.38	383.06	-464.59	87.99	2.590e+04	-8.876e+04
						450.0	-1291.43	383.06	-464.59	87.99	-7.877e+04	-1908.27
101	45	1.719e+05	8.646e+04	0.98	0.0	0.0	-2667.29	-373.08	502.68	-111.46	-1.400e+05	1.719e+05
		2713.73	-1.400e+05	-1.56	0.0	225.0	-2529.35	-373.08	502.68	-111.46	-2.678e+04	8.732e+04
						450.0	-2391.40	-373.08	502.68	-111.46	8.646e+04	2713.73
101	63	2819.98	2.317e+04	-0.29	0.0	0.0	-2726.98	113.67	-80.02	-138.38	2.317e+04	-5.165e+04
		-5.165e+04	-1.280e+04	0.27	0.0	225.0	-2589.03	113.67	-80.02	-138.38	5186.12	-2.441e+04
						450.0	-2451.09	113.67	-80.02	-138.38	-1.280e+04	2819.98
101	64	1827.93	5.112e+04	-0.49	0.0	0.0	-2488.58	188.02	-180.11	-91.30	5.112e+04	-8.585e+04
		-8.585e+04	-2.999e+04	0.58	0.0	225.0	-2350.63	188.02	-180.11	-91.30	1.057e+04	-4.201e+04
						450.0	-2212.69	188.02	-180.11	-91.30	-2.999e+04	1827.93
101	65	8.216e+04	3.768e+04	0.47	0.0	0.0	-1746.04	-178.04	218.21	67.83	-6.057e+04	8.216e+04
		-1022.47	-6.057e+04	-0.67	0.0	225.0	-1608.09	-178.04	218.21	67.83	-1.144e+04	4.057e+04
						450.0	-1470.15	-178.04	218.21	67.83	3.768e+04	-1022.47
101	66	4.796e+04	2.049e+04	0.27	0.0	0.0	-1507.63	-103.69	118.11	114.92	-3.262e+04	4.796e+04
		-2014.52	-3.262e+04	-0.36	0.0	225.0	-1369.69	-103.69	118.11	114.92	-6063.07	2.297e+04
						450.0	-1231.74	-103.69	118.11	114.92	2.049e+04	-2014.52
101	76	-674.32	5.442e+04	-0.45	0.0	0.0	-1867.11	172.66	-192.52	35.81	5.442e+04	-7.892e+04
		-7.892e+04	-3.237e+04	0.62	0.0	225.0	-1729.16	172.66	-192.52	35.81	1.103e+04	-3.980e+04
						450.0	-1591.22	172.66	-192.52	35.81	-3.237e+04	-674.32
101	77	7.523e+04	4.006e+04	0.43	0.0	0.0	-2367.50	-162.69	230.61	-59.28	-6.387e+04	7.523e+04
		1479.78	-6.387e+04	-0.71	0.0	225.0	-2229.56	-162.69	230.61	-59.28	-1.190e+04	3.836e+04
						450.0	-2091.62	-162.69	230.61	-59.28	4.006e+04	1479.78
101	87	1057.63	1609.79	-0.20	0.0	0.0	-2145.78	83.02	4.28	-60.50	-314.72	-3.630e+04
		-3.630e+04	-314.72	7.87e-03	0.0	225.0	-2007.84	83.02	4.28	-60.50	647.54	-1.762e+04
						450.0	-1869.90	83.02	4.28	-60.50	1609.79	1057.63
101	89	1183.56	7353.47	-0.19	0.0	0.0	-2161.13	79.62	33.22	-70.29	-7596.10	-3.465e+04
		-3.465e+04	-7596.10	-0.06	0.0	225.0	-2023.19	79.62	33.22	-70.29	-121.32	-1.673e+04
						450.0	-1885.24	79.62	33.22	-70.29	7353.47	1183.56
101	93	1293.10	5127.89	-0.21	0.0	0.0	-3011.39	85.16	22.72	-70.14	-5095.27	-3.703e+04
		-3.703e+04	-5095.27	-0.04	0.0	225.0	-2873.44	85.16	22.72	-70.14	16.31	-1.787e+04
						450.0	-2735.50	85.16	22.72	-70.14	5127.89	1293.10
101	95	1593.08	1326.77	-0.33	0.0	0.0	-2595.27	136.63	-0.69	-96.36	1326.77	-5.989e+04
		-5.989e+04	1015.75	0.03	0.0	225.0	-2457.33	136.63	-0.69	-96.36	1171.26	-2.915e+04
						450.0	-2319.38	136.63	-0.69	-96.36	1015.75	1593.08
101	97	1681.23	5036.32	-0.33	0.0	0.0	-2606.01	134.24	19.57	-103.22	-3770.20	-5.873e+04
		-5.873e+04	-3770.20	-0.02	0.0	225.0	-2468.07	134.24	19.57	-103.22	633.06	-2.852e+04
						450.0	-2330.12	134.24	19.57	-103.22	5036.32	1681.23
101	98	364.95	2124.00	-0.01	0.0	0.0	-2112.70	6.01	10.36	-8.79	-2539.63	-2339.78
		-2339.78	-2539.63	-0.02	0.0	225.0	-1974.76	6.01	10.36	-8.79	-207.82	-987.42
						450.0	-1836.81	6.01	10.36	-8.79	2124.00	364.95

101	99	427.92	4995.84	-7.32e-03	0.0	0.0	-2120.37	4.31	24.84	-13.69	-6180.33	-1510.83
		-1510.83	-6180.33	-0.06	0.0	225.0	-1982.43	4.31	24.84	-13.69	-592.25	-541.46
						450.0	-1844.49	4.31	24.84	-13.69	4995.84	427.92
101	102	432.19	3746.61	-0.01	0.0	0.0	-2288.28	5.89	18.68	-12.29	-4660.77	-2219.70
		-2219.70	-4660.77	-0.04	0.0	225.0	-2150.33	5.89	18.68	-12.29	-457.08	-893.75
						450.0	-2012.39	5.89	18.68	-12.29	3746.61	432.19
101	103	595.85	1952.60	-0.08	0.0	0.0	-2123.73	31.68	8.33	-26.03	-1797.99	-1.366e+04
		-1.366e+04	-1797.99	-0.01	0.0	225.0	-1985.79	31.68	8.33	-26.03	77.30	-6532.60
						450.0	-1847.84	31.68	8.33	-26.03	1952.60	595.85
101	104	633.62	3675.70	-0.07	0.0	0.0	-2128.33	30.66	17.02	-28.97	-3982.41	-1.316e+04
		-1.316e+04	-3982.41	-0.03	0.0	225.0	-1990.39	30.66	17.02	-28.97	-153.36	-6265.02
						450.0	-1852.44	30.66	17.02	-28.97	3675.70	633.62
101	105	364.95	2124.00	-0.01	0.0	0.0	-2112.70	6.01	10.36	-8.79	-2539.63	-2339.78
		-2339.78	-2539.63	-0.02	0.0	225.0	-1974.76	6.01	10.36	-8.79	-207.82	-987.42
						450.0	-1836.81	6.01	10.36	-8.79	2124.00	364.95
101	106	402.73	3847.10	-9.26e-03	0.0	0.0	-2117.31	4.99	19.05	-11.73	-4724.05	-1842.41
		-1842.41	-4724.05	-0.04	0.0	225.0	-1979.36	4.99	19.05	-11.73	-438.47	-719.84
						450.0	-1841.42	4.99	19.05	-11.73	3847.10	402.73
102	5	4.186e+04	3825.19	-0.24	0.0	0.0	-1816.43	130.63	-43.28	60.42	3825.19	1365.51
		1365.51	-9592.20	0.03	0.0	155.0	-1721.40	130.63	-43.28	60.42	-2883.51	2.161e+04
						310.0	-1626.37	130.63	-43.28	60.42	-9592.20	4.186e+04
102	7	4.153e+04	6164.00	-0.23	0.0	0.0	-1810.82	128.99	-47.37	89.61	6164.00	1540.77
		1540.77	-8520.83	0.01	0.0	155.0	-1715.79	128.99	-47.37	89.61	-1178.42	2.153e+04
						310.0	-1620.76	128.99	-47.37	89.61	-8520.83	4.153e+04
102	9	4.532e+04	1804.25	-0.26	0.0	0.0	-3715.06	140.67	-48.23	65.97	1804.25	1716.40
		1716.40	-1.315e+04	0.01	0.0	155.0	-3591.53	140.67	-48.23	65.97	-5671.80	2.352e+04
						310.0	-3467.99	140.67	-48.23	65.97	-1.315e+04	4.532e+04
102	16	7.029e+04	6156.87	-0.41	0.0	0.0	-3127.70	219.36	-73.60	98.93	6156.87	2286.35
		2286.35	-1.666e+04	0.05	0.0	155.0	-3004.17	219.36	-73.60	98.93	-5250.67	3.629e+04
						310.0	-2880.63	219.36	-73.60	98.93	-1.666e+04	7.029e+04
102	21	6.783e+04	9086.82	-0.39	0.0	0.0	-1864.43	211.80	-73.47	114.96	9086.82	2168.17
		2168.17	-1.369e+04	0.05	0.0	155.0	-1769.40	211.80	-73.47	114.96	-2300.32	3.500e+04
						310.0	-1674.37	211.80	-73.47	114.96	-1.369e+04	6.783e+04
102	27	6.371e+04	5941.77	-0.57	0.0	0.0	-2718.82	214.47	-92.48	-84.43	5941.77	5712.78
		5712.78	-2.216e+04	0.17	0.0	155.0	-2623.79	214.47	-92.48	-84.43	-8107.90	3.471e+04
						310.0	-2528.76	214.47	-92.48	-84.43	-2.216e+04	6.371e+04
102	30	-4927.94	1.777e+04	0.56	0.0	0.0	-841.67	-200.25	85.95	115.04	-8299.84	-4927.94
		-5.852e+04	-8299.84	-0.23	0.0	155.0	-746.64	-200.25	85.95	115.04	4736.72	-3.172e+04
						310.0	-651.61	-200.25	85.95	115.04	1.777e+04	-5.852e+04
102	32	1.084e+05	4.540e+04	-0.99	0.0	0.0	-2368.30	360.52	-445.66	-442.37	4.540e+04	3356.97
		3356.97	-9.313e+04	0.79	0.0	155.0	-2273.27	360.52	-445.66	-442.37	-2.386e+04	5.587e+04
						310.0	-2178.24	360.52	-445.66	-442.37	-9.313e+04	1.084e+05
102	33	-2572.14	8.874e+04	0.98	0.0	0.0	-1192.18	-346.30	439.12	472.98	-4.776e+04	-2572.14
		-1.032e+05	-4.776e+04	-0.85	0.0	155.0	-1097.16	-346.30	439.12	472.98	2.049e+04	-5.288e+04
						310.0	-1002.13	-346.30	439.12	472.98	8.874e+04	-1.032e+05
102	44	9.936e+04	5.307e+04	-0.92	0.0	0.0	-1469.31	331.30	-498.45	-456.30	5.307e+04	-1943.70
		-1943.70	-1.025e+05	0.85	0.0	155.0	-1374.28	331.30	-498.45	-456.30	-2.469e+04	4.871e+04
						310.0	-1279.25	331.30	-498.45	-456.30	-1.025e+05	9.936e+04
102	45	2728.53	9.807e+04	0.91	0.0	0.0	-2091.18	-317.08	491.92	486.90	-5.542e+04	2728.53
		-9.416e+04	-5.542e+04	-0.92	0.0	155.0	-1996.15	-317.08	491.92	486.90	2.132e+04	-4.572e+04
						310.0	-1901.12	-317.08	491.92	486.90	9.807e+04	-9.416e+04
102	56	5.029e+04	1.355e+04	-0.45	0.0	0.0	-2072.89	168.30	-141.51	-121.22	1.355e+04	1967.95
		1967.95	-3.049e+04	0.22	0.0	155.0	-1977.86	168.30	-141.51	-121.22	-8468.45	2.613e+04
						310.0	-1882.83	168.30	-141.51	-121.22	-3.049e+04	5.029e+04
102	57	-1183.12	2.610e+04	0.44	0.0	0.0	-1487.60	-154.08	134.98	151.83	-1.591e+04	-1183.12
		-4.510e+04	-1.591e+04	-0.29	0.0	155.0	-1392.57	-154.08	134.98	151.83	5097.28	-2.314e+04
						310.0	-1297.54	-154.08	134.98	151.83	2.610e+04	-4.510e+04
102	59	3.225e+04	1924.10	-0.28	0.0	0.0	-2233.12	107.69	-43.90	-31.23	1924.10	2938.94
		2938.94	-1.141e+04	0.06	0.0	155.0	-2138.09	107.69	-43.90	-31.23	-4741.05	1.759e+04
						310.0	-2043.06	107.69	-43.90	-31.23	-1.141e+04	3.225e+04
102	62	-2154.11	7021.91	0.27	0.0	0.0	-1327.37	-93.47	37.36	61.84	-4282.17	-2154.11
		-2.705e+04	-4282.17	-0.12	0.0	155.0	-1232.34	-93.47	37.36	61.84	1369.87	-1.460e+04
						310.0	-1137.31	-93.47	37.36	61.84	7021.91	-2.705e+04
102	76	4.573e+04	2.320e+04	-0.41	0.0	0.0	-1629.30	151.65	-222.78	-196.26	2.320e+04	-695.27
		-695.27	-4.637e+04	0.36	0.0	155.0	-1534.28	151.65	-222.78	-196.26	-1.158e+04	2.252e+04
						310.0	-1439.25	151.65	-222.78	-196.26	-4.637e+04	4.573e+04
102	77	1480.10	4.199e+04	0.40	0.0	0.0	-1931.18	-137.43	216.25	226.87	-2.556e+04	1480.10
		-4.053e+04	-2.556e+04	-0.42	0.0	155.0	-1836.15	-137.43	216.25	226.87	8212.43	-1.953e+04
						310.0	-1741.13	-137.43	216.25	226.87	4.199e+04	-4.053e+04
102	87	2.886e+04	1977.67	-0.16	0.0	0.0	-1833.29	89.75	-29.77	43.57	1977.67	1037.34
		1037.34	-7251.62	0.01	0.0	155.0	-1738.26	89.75	-29.77	43.57	-2636.98	1.495e+04
						310.0	-1643.24	89.75	-29.77	43.57	-7251.62	2.886e+04
102	89	2.864e+04	3536.87	-0.15	0.0	0.0	-1829.55	88.66	-32.50	63.03	3536.87	1154.18
		1154.18	-6537.37	3.90e-03	0.0	155.0	-1734.52	88.66	-32.50	63.03	-1500.25	1.490e+04
						310.0	-1639.49	88.66	-32.50	63.03	-6537.37	2.864e+04
102	91	3.051e+04	1006.79	-0.17	0.0	0.0	-2685.67	94.59	-32.38	45.10	1006.79	1184.04
		1184.04	-9031.41	-8.33e-03	0.0	155.0	-2590.65	94.59	-32.38	45.10	-4012.31	1.584e+04

						310.0	-2495.62	94.59	-32.38	45.10	-9031.41	3.051e+04
102	95	4.715e+04	3908.54	-0.27	0.0	0.0	-2294.10	147.05	-49.29	67.08	3908.54	1564.01
		1564.01	-1.137e+04	0.03	0.0	155.0	-2199.07	147.05	-49.29	67.08	-3731.56	2.436e+04
						310.0	-2104.05	147.05	-49.29	67.08	-1.137e+04	4.715e+04
102	96	4.617e+04	5485.42	-0.26	0.0	0.0	-1865.29	143.86	-49.89	79.93	5485.42	1572.44
		1572.44	-9981.79	0.03	0.0	155.0	-1770.26	143.86	-49.89	79.93	-2248.18	2.387e+04
						310.0	-1675.23	143.86	-49.89	79.93	-9981.79	4.617e+04
102	98	2663.27	-1646.80	-7.00e-03	0.0	0.0	-1781.37	7.44	-2.45	9.47	-1646.80	357.36
		357.36	-2406.42	-0.03	0.0	155.0	-1686.34	7.44	-2.45	9.47	-2026.61	1510.32
						310.0	-1591.31	7.44	-2.45	9.47	-2406.42	2663.27
102	99	2552.00	-867.19	-2.60e-03	0.0	0.0	-1779.49	6.89	-3.81	19.20	-867.19	415.78
		415.78	-2049.29	-0.03	0.0	155.0	-1684.47	6.89	-3.81	19.20	-1458.24	1483.89
						310.0	-1589.44	6.89	-3.81	19.20	-2049.29	2552.00
102	100	2992.27	-1840.97	-8.50e-03	0.0	0.0	-1951.84	8.41	-2.97	9.77	-1840.97	386.70
		386.70	-2762.37	-0.03	0.0	155.0	-1856.81	8.41	-2.97	9.77	-2301.67	1689.49
						310.0	-1761.79	8.41	-2.97	9.77	-2762.37	2992.27
102	103	1.140e+04	-438.64	-0.06	0.0	0.0	-1798.67	34.88	-11.56	20.83	-438.64	584.02
		584.02	-4021.49	-0.02	0.0	155.0	-1703.65	34.88	-11.56	20.83	-2230.06	5989.90
						310.0	-1608.62	34.88	-11.56	20.83	-4021.49	1.140e+04
102	104	1.133e+04	29.12	-0.06	0.0	0.0	-1797.55	34.55	-12.38	26.67	29.12	619.07
		619.07	-3807.21	-0.02	0.0	155.0	-1702.52	34.55	-12.38	26.67	-1889.04	5974.04
						310.0	-1607.50	34.55	-12.38	26.67	-3807.21	1.133e+04
102	105	2663.27	-1646.80	-7.00e-03	0.0	0.0	-1781.37	7.44	-2.45	9.47	-1646.80	357.36
		357.36	-2406.42	-0.03	0.0	155.0	-1686.34	7.44	-2.45	9.47	-2026.61	1510.32
						310.0	-1591.31	7.44	-2.45	9.47	-2406.42	2663.27
102	106	2596.51	-1179.03	-4.16e-03	0.0	0.0	-1780.24	7.11	-3.27	15.30	-1179.03	392.42
		392.42	-2192.14	-0.03	0.0	155.0	-1685.21	7.11	-3.27	15.30	-1685.59	1494.46
						310.0	-1590.19	7.11	-3.27	15.30	-2192.14	2596.51
105	5	-7255.60	2.041e+04	-0.09	0.0	0.0	-533.74	-41.32	-271.57	-1241.98	2.041e+04	-7255.60
		-1.139e+04	-6748.20	0.03	0.0	50.0	-503.09	-41.32	-271.57	-1241.98	6830.15	-9321.72
						100.0	-472.43	-41.32	-271.57	-1241.98	-6748.20	-1.139e+04
105	11	-3.174e+04	2.309e+04	-0.13	0.0	0.0	-1047.03	-107.11	-271.71	-1217.68	2.309e+04	-3.174e+04
		-4.245e+04	-4079.41	0.04	0.0	50.0	-1007.18	-107.11	-271.71	-1217.68	9506.07	-3.709e+04
						100.0	-967.33	-107.11	-271.71	-1217.68	-4079.41	-4.245e+04
105	18	-1.683e+04	3.553e+04	-0.15	0.0	0.0	-939.47	-66.37	-471.43	-2074.40	3.553e+04	-1.683e+04
		-2.346e+04	-1.162e+04	0.06	0.0	50.0	-899.62	-66.37	-471.43	-2074.40	1.196e+04	-2.014e+04
						100.0	-859.77	-66.37	-471.43	-2074.40	-1.162e+04	-2.346e+04
105	19	-329.85	3.317e+04	-0.13	0.0	0.0	-589.29	-30.73	-463.44	-2085.99	3.317e+04	-329.85
		-3403.10	-1.318e+04	0.05	0.0	50.0	-558.63	-30.73	-463.44	-2085.99	9995.64	-1866.47
						100.0	-527.98	-30.73	-463.44	-2085.99	-1.318e+04	-3403.10
105	21	-2292.84	3.475e+04	-0.12	0.0	0.0	-619.92	-14.74	-484.89	-2095.72	3.475e+04	-2292.84
		-3766.60	-1.374e+04	0.06	0.0	50.0	-589.27	-14.74	-484.89	-2095.72	1.051e+04	-3029.72
						100.0	-558.61	-14.74	-484.89	-2095.72	-1.374e+04	-3766.60
105	35	2.306e+04	3.947e+04	-0.27	0.0	0.0	-313.18	588.55	-548.80	-98.61	3.947e+04	5642.34
		5642.34	-1.542e+04	0.05	0.0	50.0	-282.52	588.55	-548.80	-98.61	1.202e+04	1.435e+04
						100.0	-251.87	588.55	-548.80	-98.61	-1.542e+04	2.306e+04
105	38	-4.314e+04	2.101e+04	0.21	0.0	0.0	-623.72	-697.58	569.66	142.35	-3.596e+04	-4.314e+04
		-7.147e+04	-3.596e+04	-0.05	0.0	50.0	-593.06	-697.58	569.66	142.35	-7474.95	-5.730e+04
						100.0	-562.41	-697.58	569.66	142.35	2.101e+04	-7.147e+04
105	44	5.918e+04	1.089e+04	-0.42	0.0	0.0	12.05	-298.34	259.78	110.23	-1.510e+04	3.831e+04
		3.831e+04	-1.510e+04	-0.02	0.0	50.0	42.70	-298.34	259.78	110.23	-2103.98	4.875e+04
						100.0	73.36	-298.34	259.78	110.23	1.089e+04	5.918e+04
105	45	-7.581e+04	1.860e+04	0.36	0.0	0.0	-948.94	189.31	-238.92	-66.48	1.860e+04	-7.581e+04
		-1.076e+05	-5296.02	0.02	0.0	50.0	-918.29	189.31	-238.92	-66.48	6653.69	-9.170e+04
						100.0	-887.64	189.31	-238.92	-66.48	-5296.02	-1.076e+05
105	52	4.969e+04	1.198e+04	-0.38	0.0	0.0	98.55	-316.43	298.71	-176.44	-1.790e+04	3.132e+04
		3.132e+04	-1.790e+04	-0.02	0.0	50.0	129.20	-316.43	298.71	-176.44	-2956.21	4.051e+04
						100.0	159.86	-316.43	298.71	-176.44	1.198e+04	4.969e+04
105	53	-6.882e+04	2.140e+04	0.32	0.0	0.0	-1035.44	207.40	-277.85	220.19	2.140e+04	-6.882e+04
		-9.810e+04	-6391.83	0.02	0.0	50.0	-1004.79	207.40	-277.85	220.19	7505.91	-8.346e+04
						100.0	-974.14	207.40	-277.85	220.19	-6391.83	-9.810e+04
105	76	1.193e+04	6841.31	-0.20	0.0	0.0	-242.42	-172.35	135.23	63.93	-6684.85	6455.43
		6455.43	-6684.85	-8.23e-03	0.0	50.0	-211.76	-172.35	135.23	63.93	78.23	9194.35
						100.0	-181.11	-172.35	135.23	63.93	6841.31	1.193e+04
105	77	-4.396e+04	1.019e+04	0.14	0.0	0.0	-694.48	63.32	-114.36	-20.18	1.019e+04	-4.396e+04
		-6.034e+04	-1248.35	0.01	0.0	50.0	-663.83	63.32	-114.36	-20.18	4471.48	-5.215e+04
						100.0	-633.17	63.32	-114.36	-20.18	-1248.35	-6.034e+04
105	83	-3.163e+04	1.970e+04	0.04	0.0	0.0	-657.45	215.89	-254.29	69.03	1.970e+04	-3.163e+04
		-3.961e+04	-5730.44	0.02	0.0	50.0	-626.80	215.89	-254.29	69.03	6986.98	-3.562e+04
						100.0	-596.15	215.89	-254.29	69.03	-5730.44	-3.961e+04
105	84	7819.37	7344.78	-0.18	0.0	0.0	-195.77	-180.24	153.29	-71.47	-7989.45	3771.58
		3771.58	-7989.45	-9.66e-03	0.0	50.0	-165.12	-180.24	153.29	-71.47	-322.34	5795.47
						100.0	-134.46	-180.24	153.29	-71.47	7344.78	7819.37
105	85	-4.127e+04	1.150e+04	0.12	0.0	0.0	-741.13	71.21	-132.43	115.22	1.150e+04	-4.127e+04
		-5.622e+04	-1751.82	0.01	0.0	50.0	-710.47	71.21	-132.43	115.22	4872.04	-4.875e+04
						100.0	-679.82	71.21	-132.43	115.22	-1751.82	-5.622e+04
105	86	-5867.78	1.132e+04	-0.10	0.0	0.0	-279.44	-324.92	275.16	-25.28	-1.620e+04	-5867.78

		-8792.61	-1.620e+04	-0.02	0.0	50.0	-248.79	-324.92	275.16	-25.28	-2437.28	-7330.20
						100.0	-218.13	-324.92	275.16	-25.28	1.132e+04	-8792.61
105	87	-1.126e+04	1.406e+04	-0.07	0.0	0.0	-515.24	-48.50	-175.31	-819.36	1.406e+04	-1.126e+04
		-1.611e+04	-3471.43	0.02	0.0	50.0	-484.58	-48.50	-175.31	-819.36	5294.03	-1.369e+04
						100.0	-453.93	-48.50	-175.31	-819.36	-3471.43	-1.611e+04
105	93	-2.322e+04	1.555e+04	-0.09	0.0	0.0	-753.13	-78.03	-179.15	-808.91	1.555e+04	-2.322e+04
		-3.102e+04	-2367.23	0.03	0.0	50.0	-722.48	-78.03	-179.15	-808.91	6590.10	-2.712e+04
						100.0	-691.82	-78.03	-179.15	-808.91	-2367.23	-3.102e+04
105	94	-6646.14	2.257e+04	-0.10	0.0	0.0	-552.27	-41.44	-303.22	-1382.04	2.257e+04	-6646.14
		-1.079e+04	-7756.78	0.04	0.0	50.0	-521.61	-41.44	-303.22	-1382.04	7404.36	-8717.98
						100.0	-490.96	-41.44	-303.22	-1382.04	-7756.78	-1.079e+04
105	96	-7954.80	2.362e+04	-0.09	0.0	0.0	-572.69	-30.77	-317.52	-1388.52	2.362e+04	-7954.80
		-1.103e+04	-8130.42	0.04	0.0	50.0	-542.04	-30.77	-317.52	-1388.52	7745.76	-9493.48
						100.0	-511.38	-30.77	-317.52	-1388.52	-8130.42	-1.103e+04
105	97	-1.328e+04	2.384e+04	-0.10	0.0	0.0	-681.43	-50.87	-312.29	-1380.05	2.384e+04	-1.328e+04
		-1.837e+04	-7391.50	0.04	0.0	50.0	-650.77	-50.87	-312.29	-1380.05	8223.09	-1.582e+04
						100.0	-620.12	-50.87	-312.29	-1380.05	-7391.50	-1.837e+04
105	98	-1.819e+04	2956.61	-0.03	0.0	0.0	-459.69	-59.09	16.56	24.65	1300.47	-1.819e+04
		-2.410e+04	1300.47	5.23e-04	0.0	50.0	-429.04	-59.09	16.56	24.65	2128.54	-2.114e+04
						100.0	-398.39	-59.09	16.56	24.65	2956.61	-2.410e+04
105	102	-2.088e+04	3092.04	-0.03	0.0	0.0	-511.94	-62.56	12.53	25.26	1839.53	-2.088e+04
		-2.714e+04	1839.53	1.90e-03	0.0	50.0	-481.29	-62.56	12.53	25.26	2465.79	-2.401e+04
						100.0	-450.63	-62.56	12.53	25.26	3092.04	-2.714e+04
105	103	-1.588e+04	5553.47	-0.04	0.0	0.0	-478.21	-55.56	-47.40	-256.68	5553.47	-1.588e+04
		-2.144e+04	813.93	7.51e-03	0.0	50.0	-447.56	-55.56	-47.40	-256.68	3183.70	-1.866e+04
						100.0	-416.90	-55.56	-47.40	-256.68	813.93	-2.144e+04
105	104	-1.644e+04	6006.23	-0.04	0.0	0.0	-486.96	-50.99	-53.52	-259.46	6006.23	-1.644e+04
		-2.154e+04	653.80	8.73e-03	0.0	50.0	-456.31	-50.99	-53.52	-259.46	3330.02	-1.899e+04
						100.0	-425.65	-50.99	-53.52	-259.46	653.80	-2.154e+04
105	105	-1.819e+04	2956.61	-0.03	0.0	0.0	-459.69	-59.09	16.56	24.65	1300.47	-1.819e+04
		-2.410e+04	1300.47	5.23e-04	0.0	50.0	-429.04	-59.09	16.56	24.65	2128.54	-2.114e+04
						100.0	-398.39	-59.09	16.56	24.65	2956.61	-2.410e+04
105	106	-1.875e+04	2796.48	-0.03	0.0	0.0	-468.45	-54.52	10.43	21.87	1753.23	-1.875e+04
		-2.420e+04	1753.23	1.75e-03	0.0	50.0	-437.79	-54.52	10.43	21.87	2274.85	-2.148e+04
						100.0	-407.14	-54.52	10.43	21.87	2796.48	-2.420e+04
130	3	264.92	305.95	4.28e-03	0.0	0.0	-341.21	-2.00	-0.63	0.61	305.95	264.92
		-8.56	219.98	-9.44e-03	0.0	68.3	-317.50	-2.00	-0.63	0.61	262.96	128.18
						136.7	-293.79	-2.00	-0.63	0.61	219.98	-8.56
130	4	352.37	304.81	4.79e-03	0.0	0.0	-441.39	-2.64	-3.36	0.48	304.81	352.37
		-8.77	-153.96	-0.01	0.0	68.3	-417.68	-2.64	-3.36	0.48	75.42	171.80
						136.7	-393.97	-2.64	-3.36	0.48	-153.96	-8.77
130	9	445.76	172.74	3.67e-03	0.0	0.0	-511.26	-3.30	-8.96	-0.83	172.74	445.76
		-4.97	-1051.34	-0.02	0.0	68.3	-487.55	-3.30	-8.96	-0.83	-439.30	220.39
						136.7	-463.85	-3.30	-8.96	-0.83	-1051.34	-4.97
130	11	441.60	264.39	4.81e-03	0.0	0.0	-532.47	-3.29	-6.95	-7.69e-03	264.39	441.60
		-7.77	-684.94	-0.02	0.0	68.3	-508.76	-3.29	-6.95	-7.69e-03	-210.28	216.92
						136.7	-485.05	-3.29	-6.95	-7.69e-03	-684.94	-7.77
130	19	261.10	179.37	1.81e-03	0.0	0.0	-219.73	-1.94	-3.94	-1.78	179.37	261.10
		-3.73	-358.98	-0.01	0.0	68.3	-201.49	-1.94	-3.94	-1.78	-89.81	128.69
						136.7	-183.25	-1.94	-3.94	-1.78	-358.98	-3.73
130	23	5199.86	3593.77	-0.27	0.0	0.0	-387.48	-37.30	8.85	-5.18	-88.11	5199.86
		111.85	-88.11	-0.01	0.0	68.3	-369.24	-37.30	8.85	-5.18	1752.83	2655.85
						136.7	-351.01	-37.30	8.85	-5.18	3593.77	111.85
130	26	-119.45	323.64	0.28	0.0	0.0	-102.09	35.02	-10.62	7.09	323.64	-4896.19
		-4896.19	-3599.35	-6.32e-03	0.0	68.3	-83.86	35.02	-10.62	7.09	-1637.86	-2507.82
						136.7	-65.62	35.02	-10.62	7.09	-3599.35	-119.45
130	28	3738.93	3721.07	-0.20	0.0	0.0	-389.70	-26.81	24.95	-22.23	-969.56	3738.93
		80.56	-969.56	-4.93e-03	0.0	68.3	-371.46	-26.81	24.95	-22.23	1375.75	1909.75
						136.7	-353.22	-26.81	24.95	-22.23	3721.07	80.56
130	29	-88.17	1205.09	0.20	0.0	0.0	-99.88	24.53	-26.72	24.15	1205.09	-3435.26
		-3435.26	-3726.64	-0.01	0.0	68.3	-81.64	24.53	-26.72	24.15	-1260.78	-1761.71
						136.7	-63.40	24.53	-26.72	24.15	-3726.64	-88.17
130	48	-26.78	4063.25	0.05	0.0	0.0	-363.53	6.75	34.68	-29.73	-1702.58	-945.39
		-945.39	-1702.58	4.87e-03	0.0	68.3	-345.29	6.75	34.68	-29.73	1180.34	-486.08
						136.7	-327.06	6.75	34.68	-29.73	4063.25	-26.78
130	49	1249.05	1938.11	-0.05	0.0	0.0	-126.04	-9.02	-36.44	31.65	1938.11	1249.05
		19.18	-4068.83	-0.02	0.0	68.3	-107.81	-9.02	-36.44	31.65	-1065.36	634.11
						136.7	-89.57	-9.02	-36.44	31.65	-4068.83	19.18
130	55	2576.00	1717.16	-0.13	0.0	0.0	-313.46	-18.51	3.76	-2.03	21.03	2576.00
		51.87	21.03	-8.14e-03	0.0	68.3	-295.22	-18.51	3.76	-2.03	869.10	1313.94
						136.7	-276.98	-18.51	3.76	-2.03	1717.16	51.87
130	58	-59.48	214.49	0.13	0.0	0.0	-176.12	16.23	-5.52	3.94	214.49	-2272.33
		-2272.33	-1722.73	-6.60e-03	0.0	68.3	-157.88	16.23	-5.52	3.94	-754.12	-1165.91
						136.7	-139.64	16.23	-5.52	3.94	-1722.73	-59.48
130	60	1889.81	1793.24	-0.10	0.0	0.0	-314.74	-13.58	11.72	-9.64	-404.42	1889.81
		36.99	-404.42	-5.38e-03	0.0	68.3	-296.50	-13.58	11.72	-9.64	694.41	963.40
						136.7	-278.27	-13.58	11.72	-9.64	1793.24	36.99

130	61	-44.59	639.95	0.10	0.0	0.0	-174.83	11.30	-13.48	11.56	639.95	-1586.14
		-1586.14	-1798.82	-9.81e-03	0.0	68.3	-156.60	11.30	-13.48	11.56	-579.43	-815.37
						136.7	-138.36	11.30	-13.48	11.56	-1798.82	-44.59
130	80	-14.69	1971.64	0.03	0.0	0.0	-302.17	2.55	16.73	-13.04	-768.16	-360.78
		-360.78	-768.16	-3.92e-03	0.0	68.3	-283.93	2.55	16.73	-13.04	601.74	-187.74
						136.7	-265.69	2.55	16.73	-13.04	1971.64	-14.69
130	81	664.45	1003.69	-0.02	0.0	0.0	-187.41	-4.82	-18.49	14.96	1003.69	664.45
		7.09	-1977.22	-0.01	0.0	68.3	-169.17	-4.82	-18.49	14.96	-486.77	335.77
						136.7	-150.93	-4.82	-18.49	14.96	-1977.22	7.09
130	89	194.07	214.80	3.04e-03	0.0	0.0	-254.32	-1.46	-0.56	0.50	214.80	194.07
		-6.02	137.67	-7.08e-03	0.0	68.3	-236.08	-1.46	-0.56	0.50	176.24	94.02
						136.7	-217.84	-1.46	-0.56	0.50	137.67	-6.02
130	90	252.37	214.04	3.38e-03	0.0	0.0	-321.10	-1.89	-2.38	0.42	214.04	252.37
		-6.15	-111.62	-0.01	0.0	68.3	-302.86	-1.89	-2.38	0.42	51.21	123.11
						136.7	-284.62	-1.89	-2.38	0.42	-111.62	-6.15
130	91	314.62	126.00	2.63e-03	0.0	0.0	-367.69	-2.33	-6.12	-0.45	126.00	314.62
		-3.62	-709.88	-0.02	0.0	68.3	-349.45	-2.33	-6.12	-0.45	-291.94	155.50
						136.7	-331.21	-2.33	-6.12	-0.45	-709.88	-3.62
130	93	311.85	187.09	3.39e-03	0.0	0.0	-381.82	-2.32	-4.78	0.09	187.09	311.85
		-5.49	-465.61	-0.01	0.0	68.3	-363.59	-2.32	-4.78	0.09	-139.26	153.18
						136.7	-345.35	-2.32	-4.78	0.09	-465.61	-5.49
130	94	228.03	151.48	1.94e-03	0.0	0.0	-231.05	-1.69	-3.16	-0.95	151.48	228.03
		-3.58	-280.49	-9.48e-03	0.0	68.3	-212.81	-1.69	-3.16	-0.95	-64.51	112.22
						136.7	-194.57	-1.69	-3.16	-0.95	-280.49	-3.58
130	99	151.04	135.22	2.52e-03	0.0	0.0	-248.83	-1.14	-0.50	1.11	135.22	151.04
		-4.34	67.00	-6.64e-03	0.0	68.3	-230.59	-1.14	-0.50	1.11	101.11	73.35
						136.7	-212.35	-1.14	-0.50	1.11	67.00	-4.34
130	100	176.34	91.28	2.11e-03	0.0	0.0	-265.44	-1.31	-2.18	0.69	91.28	176.34
		-3.06	-207.19	-8.80e-03	0.0	68.3	-247.20	-1.31	-2.18	0.69	-57.96	86.64
						136.7	-228.97	-1.31	-2.18	0.69	-207.19	-3.06
130	102	175.15	117.46	2.43e-03	0.0	0.0	-271.50	-1.31	-1.61	0.92	117.46	175.15
		-3.86	-102.50	-8.33e-03	0.0	68.3	-253.26	-1.31	-1.61	0.92	7.48	85.65
						136.7	-235.02	-1.31	-1.61	0.92	-102.50	-3.86
130	103	168.02	103.56	1.97e-03	0.0	0.0	-237.19	-1.25	-1.80	0.39	103.56	168.02
		-3.12	-142.08	-7.84e-03	0.0	68.3	-218.95	-1.25	-1.80	0.39	-19.26	82.45
						136.7	-200.72	-1.25	-1.80	0.39	-142.08	-3.12
130	105	153.02	91.58	1.97e-03	0.0	0.0	-238.73	-1.14	-1.46	0.72	91.58	153.02
		-3.00	-107.47	-7.43e-03	0.0	68.3	-220.49	-1.14	-1.46	0.72	-7.95	75.01
						136.7	-202.25	-1.14	-1.46	0.72	-107.47	-3.00
130	106	151.83	117.76	2.30e-03	0.0	0.0	-244.79	-1.14	-0.88	0.96	117.76	151.83
		-3.80	-2.79	-6.96e-03	0.0	68.3	-226.55	-1.14	-0.88	0.96	57.49	74.02
						136.7	-208.31	-1.14	-0.88	0.96	-2.79	-3.80
133	3	7483.24	-26.06	4.21e-03	0.0	0.0	-3387.32	-191.20	25.40	-4.43	-2210.49	7483.24
		-8959.62	-2210.49	-8.21e-03	0.0	43.0	-3372.40	-191.20	25.40	-4.43	-1118.27	-738.19
						86.0	-3357.48	-191.20	25.40	-4.43	-26.06	-8959.62
133	4	7499.36	-14.04	4.21e-03	0.0	0.0	-3495.40	-191.65	25.24	-4.54	-2184.55	7499.36
		-8982.37	-2184.55	-8.09e-03	0.0	43.0	-3480.48	-191.65	25.24	-4.54	-1099.29	-741.50
						86.0	-3465.56	-191.65	25.24	-4.54	-14.04	-8982.37
133	5	576.49	-175.31	2.23e-04	0.0	0.0	-1075.27	-17.74	4.92	-1.85	-598.12	576.49
		-949.27	-598.12	-2.53e-03	0.0	43.0	-1063.79	-17.74	4.92	-1.85	-386.72	-186.39
						86.0	-1052.31	-17.74	4.92	-1.85	-175.31	-949.27
133	27	5624.07	739.73	-0.02	0.0	0.0	-1265.41	282.61	30.76	0.50	-774.22	-1.869e+04
		-1.869e+04	-774.22	-7.40e-04	0.0	43.0	-1253.94	282.61	30.76	0.50	-17.25	-6530.75
						86.0	-1242.46	282.61	30.76	0.50	739.73	5624.07
133	28	3539.94	2192.15	-0.02	0.0	0.0	-1169.30	197.72	-4.73	-23.17	2192.15	-1.346e+04
		-1.346e+04	1975.37	0.01	0.0	43.0	-1157.83	197.72	-4.73	-23.17	2083.76	-4961.70
						86.0	-1146.35	197.72	-4.73	-23.17	1975.37	3539.94
133	29	1.873e+04	-1811.02	0.02	0.0	0.0	-1711.62	-326.24	20.19	21.01	-3357.06	1.873e+04
		-9322.76	-3357.06	-0.01	0.0	43.0	-1700.14	-326.24	20.19	21.01	-2584.04	4704.90
						86.0	-1688.67	-326.24	20.19	21.01	-1811.02	-9322.76
133	30	2.395e+04	-390.69	0.02	0.0	0.0	-1615.51	-411.12	-15.31	-2.66	-390.69	2.395e+04
		-1.141e+04	-575.38	-3.28e-03	0.0	43.0	-1604.03	-411.12	-15.31	-2.66	-483.04	6273.95
						86.0	-1592.56	-411.12	-15.31	-2.66	-575.38	-1.141e+04
133	44	6685.09	6069.27	6.02e-03	0.0	0.0	-1252.77	-130.16	-74.03	-61.38	6069.27	6685.09
		-4515.08	3444.65	0.02	0.0	43.0	-1241.30	-130.16	-74.03	-61.38	4756.96	1085.00
						86.0	-1229.82	-130.16	-74.03	-61.38	3444.65	-4515.08
133	45	-1267.73	-3280.30	-2.79e-03	0.0	0.0	-1628.15	1.64	89.49	59.23	-7234.19	-1415.87
		-1415.87	-7234.19	-0.03	0.0	43.0	-1616.67	1.64	89.49	59.23	-5257.25	-1341.80
						86.0	-1605.19	1.64	89.49	59.23	-3280.30	-1267.73
133	59	1213.79	387.21	-9.56e-03	0.0	0.0	-1349.16	102.90	19.51	0.12	-724.83	-7638.31
		-7638.31	-724.83	-1.57e-03	0.0	43.0	-1337.68	102.90	19.51	0.12	-168.81	-3212.26
						86.0	-1326.20	102.90	19.51	0.12	387.21	1213.79
133	60	209.47	962.23	-6.82e-03	0.0	0.0	-1301.80	62.02	1.31	-11.81	773.51	-5123.73
		-5123.73	773.51	4.14e-03	0.0	43.0	-1290.32	62.02	1.31	-11.81	867.87	-2457.13
						86.0	-1278.84	62.02	1.31	-11.81	962.23	209.47
133	61	1.039e+04	-797.88	0.01	0.0	0.0	-1579.13	-190.53	14.14	9.66	-1938.42	1.039e+04
		-5992.28	-1938.42	-8.13e-03	0.0	43.0	-1567.65	-190.53	14.14	9.66	-1368.15	2200.33

							86.0	-1556.17	-190.53	14.14	9.66	-797.88	-5992.28
133	62	1.291e+04	-222.86	0.01	0.0	0.0	0.0	-1531.76	-231.41	-4.05	-2.28	-440.09	1.291e+04
		-6996.61	-440.09	-2.42e-03	0.0	0.0	43.0	-1520.29	-231.41	-4.05	-2.28	-331.48	2955.46
							86.0	-1508.81	-231.41	-4.05	-2.28	-222.86	-6996.61
133	76	4587.23	2747.57	3.74e-03	0.0	0.0	0.0	-1347.40	-96.02	-34.22	-31.28	2747.57	4587.23
		-3673.58	1643.33	0.01	0.0	0.0	43.0	-1335.92	-96.02	-34.22	-31.28	2195.45	456.82
							86.0	-1324.44	-96.02	-34.22	-31.28	1643.33	-3673.58
133	77	681.99	-1478.99	-5.10e-04	0.0	0.0	0.0	-1533.53	-32.49	49.67	29.12	-3912.49	681.99
		-2109.23	-3912.49	-0.01	0.0	0.0	43.0	-1522.05	-32.49	49.67	29.12	-2695.74	-713.62
							86.0	-1510.57	-32.49	49.67	29.12	-1478.99	-2109.23
133	87	876.28	-97.20	4.48e-04	0.0	0.0	0.0	-1090.17	-23.47	4.66	-1.46	-497.93	876.28
		-1142.04	-497.93	-2.02e-03	0.0	0.0	43.0	-1078.69	-23.47	4.66	-1.46	-297.57	-132.88
							86.0	-1067.21	-23.47	4.66	-1.46	-97.20	-1142.04
133	89	5130.73	-10.80	2.90e-03	0.0	0.0	0.0	-2376.95	-130.78	17.38	-3.01	-1505.26	5130.73
		-6116.75	-1505.26	-5.58e-03	0.0	0.0	43.0	-2365.48	-130.78	17.38	-3.01	-758.03	-493.01
							86.0	-2354.00	-130.78	17.38	-3.01	-10.80	-6116.75
133	90	5141.48	-2.78	2.90e-03	0.0	0.0	0.0	-2449.01	-131.09	17.27	-3.09	-1487.97	5141.48
		-6131.91	-1487.97	-5.50e-03	0.0	0.0	43.0	-2437.53	-131.09	17.27	-3.09	-745.37	-495.22
							86.0	-2426.06	-131.09	17.27	-3.09	-2.78	-6131.91
133	98	1358.28	56.25	8.95e-04	0.0	0.0	0.0	-1054.43	-32.06	3.91	-0.61	-280.26	1358.28
		-1398.99	-280.26	-9.31e-04	0.0	0.0	43.0	-1042.95	-32.06	3.91	-0.61	-112.00	-20.36
							86.0	-1031.47	-32.06	3.91	-0.61	56.25	-1398.99
133	99	3485.50	99.45	2.10e-03	0.0	0.0	0.0	-1697.82	-85.72	10.27	-1.39	-783.92	3485.50
		-3886.35	-783.92	-2.71e-03	0.0	0.0	43.0	-1686.34	-85.72	10.27	-1.39	-342.23	-200.42
							86.0	-1674.87	-85.72	10.27	-1.39	99.45	-3886.35
133	105	1358.28	56.25	8.95e-04	0.0	0.0	0.0	-1054.43	-32.06	3.91	-0.61	-280.26	1358.28
		-1398.99	-280.26	-9.31e-04	0.0	0.0	43.0	-1042.95	-32.06	3.91	-0.61	-112.00	-20.36
							86.0	-1031.47	-32.06	3.91	-0.61	56.25	-1398.99
133	106	2634.61	82.17	1.62e-03	0.0	0.0	0.0	-1440.46	-64.26	7.73	-1.08	-582.46	2634.61
		-2891.41	-582.46	-2.00e-03	0.0	0.0	43.0	-1428.98	-64.26	7.73	-1.08	-250.14	-128.40
							86.0	-1417.51	-64.26	7.73	-1.08	82.17	-2891.41
135	4	4195.88	217.11	2.03e-03	0.0	0.0	0.0	-582.47	-46.22	0.95	3.68	87.18	4195.88
		-2120.77	87.18	-0.03	0.0	0.0	68.3	-558.76	-46.22	0.95	3.68	152.15	1037.56
							136.7	-535.05	-46.22	0.95	3.68	217.11	-2120.77
135	7	3348.87	249.36	1.31e-03	0.0	0.0	0.0	-326.69	-37.45	0.42	1.51	191.69	3348.87
		-1769.53	191.69	-0.02	0.0	0.0	68.3	-308.45	-37.45	0.42	1.51	220.53	789.67
							136.7	-290.22	-37.45	0.42	1.51	249.36	-1769.53
135	9	67.33	36.50	-4.34e-03	0.0	0.0	0.0	-790.06	-4.63	1.25	3.27	-133.75	67.33
		-565.30	-133.75	-0.02	0.0	0.0	68.3	-766.35	-4.63	1.25	3.27	-48.63	-248.99
							136.7	-742.64	-4.63	1.25	3.27	36.50	-565.30
135	19	205.06	166.86	-9.45e-03	0.0	0.0	0.0	-429.85	20.68	0.26	-1.84	131.50	-2621.74
		-2621.74	131.50	-0.02	0.0	0.0	68.3	-411.61	20.68	0.26	-1.84	149.18	-1208.34
							136.7	-393.37	20.68	0.26	-1.84	166.86	205.06
135	21	291.66	274.21	-5.17e-03	0.0	0.0	0.0	-375.61	-8.79	0.19	-0.67	247.85	291.66
		-909.51	247.85	-0.02	0.0	0.0	68.3	-357.37	-8.79	0.19	-0.67	261.03	-308.92
							136.7	-339.13	-8.79	0.19	-0.67	274.21	-909.51
135	27	1.493e+04	70.13	-0.27	0.0	0.0	0.0	-926.09	716.19	7.82	41.33	-570.99	-8.303e+04
		-8.303e+04	-570.99	0.01	0.0	0.0	68.3	-907.85	716.19	7.82	41.33	-250.43	-3.405e+04
							136.7	-889.61	716.19	7.82	41.33	70.13	1.493e+04
135	30	8.871e+04	361.91	0.28	0.0	0.0	0.0	211.82	-773.94	-6.00	-35.73	361.91	8.871e+04
		-1.715e+04	-30.98	-0.03	0.0	0.0	68.3	230.06	-773.94	-6.00	-35.73	165.46	3.578e+04
							136.7	248.30	-773.94	-6.00	-35.73	-30.98	-1.715e+04
135	52	2.286e+04	630.60	0.07	0.0	0.0	0.0	-226.31	-202.47	-11.32	-22.75	630.60	2.286e+04
		-4807.08	-1842.54	0.08	0.0	0.0	68.3	-208.07	-202.47	-11.32	-22.75	-605.97	9026.79
							136.7	-189.83	-202.47	-11.32	-22.75	-1842.54	-4807.08
135	53	2590.97	1881.69	-0.06	0.0	0.0	0.0	-487.96	144.72	13.13	28.35	-839.68	-1.718e+04
		-1.718e+04	-839.68	-0.10	0.0	0.0	68.3	-469.73	144.72	13.13	28.35	521.00	-7296.97
							136.7	-451.49	144.72	13.13	28.35	1881.69	2590.97
135	59	6619.68	55.89	-0.13	0.0	0.0	0.0	-631.66	329.94	4.31	21.00	-328.24	-3.852e+04
		-3.852e+04	-328.24	7.28e-04	0.0	0.0	68.3	-613.42	329.94	4.31	21.00	-136.17	-1.595e+04
							136.7	-595.18	329.94	4.31	21.00	55.89	6619.68
135	62	4.420e+04	119.16	0.14	0.0	0.0	0.0	-82.61	-387.69	-2.50	-15.40	119.16	4.420e+04
		-8835.79	-16.74	-0.02	0.0	0.0	68.3	-64.38	-387.69	-2.50	-15.40	51.21	1.768e+04
							136.7	-46.14	-387.69	-2.50	-15.40	-16.74	-8835.79
135	84	1.249e+04	261.50	0.03	0.0	0.0	0.0	-293.95	-112.53	-5.16	-9.27	261.50	1.249e+04
		-2890.66	-898.00	0.03	0.0	0.0	68.3	-275.72	-112.53	-5.16	-9.27	-318.25	4797.96
							136.7	-257.48	-112.53	-5.16	-9.27	-898.00	-2890.66
135	85	674.55	937.15	-0.03	0.0	0.0	0.0	-420.32	54.78	6.98	14.87	-470.58	-6810.37
		-6810.37	-470.58	-0.05	0.0	0.0	68.3	-402.08	54.78	6.98	14.87	233.28	-3067.91
							136.7	-383.84	54.78	6.98	14.87	937.15	674.55
135	89	2971.77	161.99	1.74e-03	0.0	0.0	0.0	-346.64	-32.49	0.61	1.89	79.05	2971.77
		-1468.75	79.05	-0.02	0.0	0.0	68.3	-328.40	-32.49	0.61	1.89	120.52	751.51
							136.7	-310.16	-32.49	0.61	1.89	161.99	-1468.75
135	90	2994.07	143.81	1.57e-03	0.0	0.0	0.0	-433.37	-32.83	0.74	2.72	42.57	2994.07
		-1493.26	42.57	-0.02	0.0	0.0	68.3	-415.13	-32.83	0.74	2.72	93.19	750.40
							136.7	-396.89	-32.83	0.74	2.72	143.81	-1493.26
135	91	241.70	23.41	-2.67e-03	0.0	0.0	0.0	-571.76	-5.11	0.94	2.45	-104.72	241.70

		-456.29	-104.72	-0.01	0.0	68.3	-553.52	-5.11	0.94	2.45	-40.66	-107.30
						136.7	-535.28	-5.11	0.94	2.45	23.41	-456.29
135	96	933.63	178.55	-2.59e-03	0.0	0.0	-379.25	-13.38	0.45	0.43	116.49	933.63
		-895.40	116.49	-0.02	0.0	68.3	-361.01	-13.38	0.45	0.43	147.52	19.11
						136.7	-342.77	-13.38	0.45	0.43	178.55	-895.40
135	99	3393.04	40.02	4.36e-03	0.0	0.0	-346.80	-34.49	0.90	3.02	-82.38	3393.04
		-1320.35	-82.38	-0.01	0.0	68.3	-328.56	-34.49	0.90	3.02	-21.18	1036.34
						136.7	-310.33	-34.49	0.90	3.02	40.02	-1320.35
135	100	2014.63	-18.36	2.26e-03	0.0	0.0	-407.33	-20.59	0.98	2.80	-152.37	2014.63
		-799.42	-152.37	-8.60e-03	0.0	68.3	-389.09	-20.59	0.98	2.80	-85.37	607.61
						136.7	-370.85	-20.59	0.98	2.80	-18.36	-799.42
135	104	2235.24	43.19	1.99e-03	0.0	0.0	-365.69	-23.53	0.82	2.24	-69.20	2235.24
		-980.61	-69.20	-0.01	0.0	68.3	-347.45	-23.53	0.82	2.24	-13.00	627.32
						136.7	-329.21	-23.53	0.82	2.24	43.19	-980.61
135	105	2005.71	-11.09	2.32e-03	0.0	0.0	-372.63	-20.45	0.93	2.47	-137.78	2005.71
		-789.61	-137.78	-8.08e-03	0.0	68.3	-354.40	-20.45	0.93	2.47	-74.44	608.05
						136.7	-336.16	-20.45	0.93	2.47	-11.09	-789.61
135	106	2838.11	19.57	3.55e-03	0.0	0.0	-357.14	-28.87	0.91	2.80	-104.54	2838.11
		-1108.06	-104.54	-9.72e-03	0.0	68.3	-338.90	-28.87	0.91	2.80	-42.48	865.03
						136.7	-320.66	-28.87	0.91	2.80	19.57	-1108.06
136	9	225.52	-22.23	-2.00e-03	0.0	0.0	-654.60	2.02	0.63	1.57	-108.83	-49.96
		-49.96	-108.83	-0.02	0.0	68.3	-630.89	2.02	0.63	1.57	-65.53	87.78
						136.7	-607.18	2.02	0.63	1.57	-22.23	225.52
136	11	228.49	107.66	-8.51e-04	0.0	0.0	-675.80	1.99	0.70	1.58	12.65	-43.70
		-43.70	12.65	-0.03	0.0	68.3	-652.09	1.99	0.70	1.58	60.15	92.39
						136.7	-628.38	1.99	0.70	1.58	107.66	228.49
136	19	161.32	154.95	-1.89e-03	0.0	0.0	-329.98	0.85	0.08	-2.49	143.45	45.29
		45.29	143.45	-0.02	0.0	68.3	-311.74	0.85	0.08	-2.49	149.20	103.30
						136.7	-293.50	0.85	0.08	-2.49	154.95	161.32
136	21	164.28	284.84	-7.40e-04	0.0	0.0	-351.19	0.82	0.15	-2.48	264.94	51.55
		51.55	264.94	-0.02	0.0	68.3	-332.95	0.82	0.15	-2.48	274.89	107.92
						136.7	-314.71	0.82	0.15	-2.48	284.84	164.28
136	23	6996.16	-200.22	-0.38	0.0	0.0	-497.79	6.44	7.66	43.83	-568.22	6378.95
		6378.95	-568.22	0.01	0.0	68.3	-479.56	6.44	7.66	43.83	-384.22	6687.56
						136.7	-461.32	6.44	7.66	43.83	-200.22	6996.16
136	26	-6493.49	378.51	0.38	0.0	0.0	-212.29	-4.71	-5.97	-40.42	378.51	-6493.49
		-6874.95	240.61	-0.03	0.0	68.3	-194.06	-4.71	-5.97	-40.42	309.56	-6684.22
						136.7	-175.82	-4.71	-5.97	-40.42	240.61	-6874.95
136	28	4837.88	-69.82	-0.28	0.0	0.0	-500.02	12.67	1.44	23.61	-69.82	3868.73
		3868.73	-1018.39	0.05	0.0	68.3	-481.78	12.67	1.44	23.61	-544.10	4353.30
						136.7	-463.54	12.67	1.44	23.61	-1018.39	4837.88
136	29	-3983.27	1058.78	0.28	0.0	0.0	-210.07	-10.94	0.24	-20.20	-119.89	-3983.27
		-4716.67	-119.89	-0.07	0.0	68.3	-191.83	-10.94	0.24	-20.20	469.44	-4349.97
						136.7	-173.60	-10.94	0.24	-20.20	1058.78	-4716.67
136	52	-1840.01	591.21	0.10	0.0	0.0	-462.07	13.04	-9.80	-19.44	591.21	-2252.54
		-2252.54	-1764.99	0.08	0.0	68.3	-443.83	13.04	-9.80	-19.44	-586.89	-2046.28
						136.7	-425.60	13.04	-9.80	-19.44	-1764.99	-1840.01
136	53	2138.00	1805.38	-0.10	0.0	0.0	-248.02	-11.31	11.49	22.85	-780.92	2138.00
		1961.22	-780.92	-0.10	0.0	68.3	-229.78	-11.31	11.49	22.85	512.23	2049.61
						136.7	-211.54	-11.31	11.49	22.85	1805.38	1961.22
136	55	3395.41	-83.11	-0.18	0.0	0.0	-423.74	3.57	4.16	21.36	-319.50	3039.96
		3039.96	-319.50	9.12e-04	0.0	68.3	-405.51	3.57	4.16	21.36	-201.31	3217.68
						136.7	-387.27	3.57	4.16	21.36	-83.11	3395.41
136	58	-3154.50	129.79	0.18	0.0	0.0	-286.34	-1.85	-2.48	-17.96	129.79	-3154.50
		-3274.19	123.50	-0.02	0.0	68.3	-268.11	-1.85	-2.48	-17.96	126.65	-3214.35
						136.7	-249.87	-1.85	-2.48	-17.96	123.50	-3274.19
136	60	2387.14	-76.13	-0.13	0.0	0.0	-425.03	6.58	1.10	12.30	-76.13	1869.02
		1869.02	-479.38	0.02	0.0	68.3	-406.79	6.58	1.10	12.30	-277.76	2128.08
						136.7	-388.55	6.58	1.10	12.30	-479.38	2387.14
136	61	-1983.56	519.77	0.13	0.0	0.0	-285.06	-4.85	0.58	-8.90	-113.58	-1983.56
		-2265.93	-113.58	-0.04	0.0	68.3	-266.82	-4.85	0.58	-8.90	203.10	-2124.75
						136.7	-248.58	-4.85	0.58	-8.90	519.77	-2265.93
136	84	-832.74	246.14	0.05	0.0	0.0	-406.71	6.79	-4.42	-7.88	246.14	-1093.58
		-1093.58	-852.02	0.03	0.0	68.3	-388.48	6.79	-4.42	-7.88	-302.94	-963.16
						136.7	-370.24	6.79	-4.42	-7.88	-852.02	-832.74
136	85	979.04	892.41	-0.05	0.0	0.0	-303.37	-5.07	6.10	11.29	-435.85	979.04
		953.95	-435.85	-0.05	0.0	68.3	-285.14	-5.07	6.10	11.29	228.28	966.49
						136.7	-266.90	-5.07	6.10	11.29	892.41	953.95
136	91	157.59	-16.20	-1.35e-03	0.0	0.0	-477.94	1.44	0.52	1.25	-87.18	-38.90
		-38.90	-87.18	-0.01	0.0	68.3	-459.70	1.44	0.52	1.25	-51.69	59.34
						136.7	-441.47	1.44	0.52	1.25	-16.20	157.59
136	93	159.57	70.39	-5.85e-04	0.0	0.0	-492.08	1.42	0.56	1.26	-6.19	-34.73
		-34.73	-6.19	-0.02	0.0	68.3	-473.84	1.42	0.56	1.26	32.10	62.42
						136.7	-455.60	1.42	0.56	1.26	70.39	159.57
136	94	128.19	96.78	-1.12e-03	0.0	0.0	-341.30	0.88	0.34	-1.07	49.80	8.23
		8.23	49.80	-0.01	0.0	68.3	-323.07	0.88	0.34	-1.07	73.29	68.21
						136.7	-304.83	0.88	0.34	-1.07	96.78	128.19

136	96	130.16	183.37	-3.61e-04	0.0	0.0	-355.44	0.86	0.38	-1.06	130.79	12.40
		12.40	130.79	-0.02	0.0	68.3	-337.20	0.86	0.38	-1.06	157.08	71.28
						136.7	-318.97	0.86	0.38	-1.06	183.37	130.16
136	99	61.17	44.94	8.01e-04	0.0	0.0	-359.08	0.86	0.85	1.70	-71.71	-56.08
		-56.08	-71.71	-0.01	0.0	68.3	-340.85	0.86	0.85	1.70	-13.39	2.55
						136.7	-322.61	0.86	0.85	1.70	44.94	61.17
136	100	71.11	-30.42	9.88e-05	0.0	0.0	-375.70	0.98	0.82	1.94	-142.61	-63.10
		-63.10	-142.61	-8.59e-03	0.0	68.3	-357.46	0.98	0.82	1.94	-86.51	4.00
						136.7	-339.22	0.98	0.82	1.94	-30.42	71.11
136	102	71.96	6.69	4.27e-04	0.0	0.0	-381.76	0.98	0.84	1.94	-107.90	-61.31
		-61.31	-107.90	-0.01	0.0	68.3	-363.52	0.98	0.84	1.94	-50.60	5.32
						136.7	-345.28	0.98	0.84	1.94	6.69	71.96
136	103	73.44	5.82	-3.86e-05	0.0	0.0	-347.45	0.87	0.73	1.14	-93.69	-45.60
		-45.60	-93.69	-9.29e-03	0.0	68.3	-329.21	0.87	0.73	1.14	-43.93	13.92
						136.7	-310.97	0.87	0.73	1.14	5.82	73.44
136	104	74.29	42.93	3.07e-04	0.0	0.0	-353.51	0.86	0.75	1.15	-58.98	-43.81
		-43.81	-58.98	-0.01	0.0	68.3	-335.27	0.86	0.75	1.15	-8.02	15.24
						136.7	-317.03	0.86	0.75	1.15	42.93	74.29
136	105	59.76	-16.92	2.54e-04	0.0	0.0	-348.98	0.87	0.82	1.70	-129.57	-59.06
		-59.06	-129.57	-8.07e-03	0.0	68.3	-330.75	0.87	0.82	1.70	-73.24	0.35
						136.7	-312.51	0.87	0.82	1.70	-16.92	59.76
136	106	60.61	20.19	5.82e-04	0.0	0.0	-355.04	0.86	0.84	1.70	-94.86	-57.27
		-57.27	-94.86	-9.72e-03	0.0	68.3	-336.81	0.86	0.84	1.70	-37.33	1.67
						136.7	-318.57	0.86	0.84	1.70	20.19	60.61
137	3	41.81	-141.02	2.34e-04	0.0	0.0	-713.42	-0.08	9.23	-0.18	-1525.93	41.81
		29.48	-1525.93	-0.02	0.0	75.0	-687.40	-0.08	9.23	-0.18	-833.48	35.64
						150.0	-661.38	-0.08	9.23	-0.18	-141.02	29.48
137	7	9.42	-140.13	2.09e-05	0.0	0.0	-540.95	0.06	8.85	-0.20	-1468.11	0.35
		0.35	-1468.11	-0.02	0.0	75.0	-520.93	0.06	8.85	-0.20	-804.12	4.88
						150.0	-500.91	0.06	8.85	-0.20	-140.13	9.42
137	11	-15.50	-149.16	-1.18e-04	0.0	0.0	-904.68	-0.07	6.84	-0.75	-1175.79	-15.50
		-26.17	-1175.79	-0.01	0.0	75.0	-878.66	-0.07	6.84	-0.75	-662.48	-20.83
						150.0	-852.64	-0.07	6.84	-0.75	-149.16	-26.17
137	19	-107.99	-271.96	-9.73e-04	0.0	0.0	-506.04	0.49	2.83	-2.41	-696.49	-181.29
		-181.29	-696.49	-9.35e-03	0.0	75.0	-486.02	0.49	2.83	-2.41	-484.23	-144.64
						150.0	-466.01	0.49	2.83	-2.41	-271.96	-107.99
137	20	-126.53	-272.58	-1.08e-03	0.0	0.0	-606.22	0.47	2.65	-2.52	-669.70	-197.74
		-197.74	-669.70	-9.05e-03	0.0	75.0	-586.20	0.47	2.65	-2.52	-471.14	-162.13
						150.0	-566.18	0.47	2.65	-2.52	-272.58	-126.53
137	23	-1.819e+04	187.09	-0.17	0.0	0.0	-673.89	91.53	8.47	25.82	-218.53	-3.183e+04
		-3.183e+04	-218.53	2.47e-03	0.0	75.0	-653.88	91.53	8.47	25.82	-15.72	-2.501e+04
						150.0	-633.86	91.53	8.47	25.82	187.09	-1.819e+04
137	26	3.201e+04	-178.64	0.17	0.0	0.0	-388.31	-92.15	-3.65	-25.07	-495.42	3.201e+04
		1.829e+04	-495.42	-0.01	0.0	75.0	-368.30	-92.15	-3.65	-25.07	-337.03	2.515e+04
						150.0	-348.28	-92.15	-3.65	-25.07	-178.64	1.829e+04
137	28	-1.304e+04	2271.27	-0.12	0.0	0.0	-676.12	63.55	-11.23	10.26	2271.27	-2.252e+04
		-2.252e+04	1393.65	0.03	0.0	75.0	-656.10	63.55	-11.23	10.26	1832.46	-1.778e+04
						150.0	-636.09	63.55	-11.23	10.26	1393.65	-1.304e+04
137	29	2.271e+04	-1385.20	0.12	0.0	0.0	-386.09	-64.17	16.05	-9.51	-2985.21	2.271e+04
		1.313e+04	-2985.21	-0.04	0.0	75.0	-366.07	-64.17	16.05	-9.51	-2185.21	1.792e+04
						150.0	-346.05	-64.17	16.05	-9.51	-1385.20	1.313e+04
137	44	9765.06	4664.38	0.05	0.0	0.0	-479.91	-30.31	-34.55	-36.28	4664.38	9765.06
		5289.12	2647.65	0.05	0.0	75.0	-459.89	-30.31	-34.55	-36.28	3656.02	7527.09
						150.0	-439.88	-30.31	-34.55	-36.28	2647.65	5289.12
137	45	-5193.43	-2639.21	-0.05	0.0	0.0	-582.30	29.68	39.37	37.03	-5378.32	-9575.72
		-9575.72	-5378.32	-0.06	0.0	75.0	-562.28	29.68	39.37	37.03	-4008.77	-7384.58
						150.0	-542.26	29.68	39.37	37.03	-2639.21	-5193.43
137	55	-8686.62	78.45	-0.08	0.0	0.0	-599.82	43.66	5.64	11.96	-322.65	-1.518e+04
		-1.518e+04	-322.65	-1.07e-03	0.0	75.0	-579.81	43.66	5.64	11.96	-122.10	-1.193e+04
						150.0	-559.79	43.66	5.64	11.96	78.45	-8686.62
137	58	1.537e+04	-70.00	0.08	0.0	0.0	-462.38	-44.28	-0.82	-11.21	-391.29	1.537e+04
		8782.31	-391.29	-6.90e-03	0.0	75.0	-442.37	-44.28	-0.82	-11.21	-230.65	1.208e+04
						150.0	-422.35	-44.28	-0.82	-11.21	-70.00	8782.31
137	60	-6272.21	906.60	-0.06	0.0	0.0	-601.11	30.63	-4.42	5.07	906.60	-1.084e+04
		-1.084e+04	661.03	0.01	0.0	75.0	-581.09	30.63	-4.42	5.07	783.82	-8556.46
						150.0	-561.08	30.63	-4.42	5.07	661.03	-6272.21
137	61	1.103e+04	-652.58	0.06	0.0	0.0	-461.10	-31.26	9.23	-4.32	-1620.55	1.103e+04
		6367.90	-1620.55	-0.02	0.0	75.0	-441.08	-31.26	9.23	-4.32	-1136.56	8698.97
						150.0	-421.06	-31.26	9.23	-4.32	-652.58	6367.90
137	76	4422.35	2086.85	0.02	0.0	0.0	-506.97	-13.67	-16.38	-15.77	2086.85	4422.35
		2407.64	1267.00	0.02	0.0	75.0	-486.95	-13.67	-16.38	-15.77	1676.92	3415.00
						150.0	-466.93	-13.67	-16.38	-15.77	1267.00	2407.64
137	77	-2311.95	-1258.55	-0.02	0.0	0.0	-555.24	13.05	21.20	16.52	-2800.80	-4233.02
		-4233.02	-2800.80	-0.03	0.0	75.0	-535.22	13.05	21.20	16.52	-2029.67	-3272.48
						150.0	-515.20	13.05	21.20	16.52	-1258.55	-2311.95
137	89	32.34	-93.81	1.78e-04	0.0	0.0	-540.63	-0.07	6.28	-0.09	-1035.18	32.34
		21.24	-1035.18	-0.01	0.0	75.0	-520.62	-0.07	6.28	-0.09	-564.49	26.79

						150.0	-500.60	-0.07	6.28	-0.09	-93.81	21.24
137	93	-5.86	-99.24	-5.70e-05	0.0	0.0	-668.14	-0.07	4.68	-0.47	-801.75	-5.86
		-15.86	-801.75	-9.56e-03	0.0	75.0	-648.12	-0.07	4.68	-0.47	-450.49	-10.86
						150.0	-628.10	-0.07	4.68	-0.47	-99.24	-15.86
137	94	-57.03	-181.70	-4.85e-04	0.0	0.0	-517.36	0.21	2.26	-1.57	-520.76	-88.75
		-88.75	-520.76	-6.87e-03	0.0	75.0	-497.35	0.21	2.26	-1.57	-351.23	-72.89
						150.0	-477.33	0.21	2.26	-1.57	-181.70	-57.03
137	95	-69.39	-182.10	-5.56e-04	0.0	0.0	-584.15	0.20	2.14	-1.64	-502.90	-99.71
		-99.71	-502.90	-6.67e-03	0.0	75.0	-564.13	0.20	2.14	-1.64	-342.50	-84.55
						150.0	-544.11	0.20	2.14	-1.64	-182.10	-69.39
137	99	105.51	7.30	5.52e-04	0.0	0.0	-535.14	-0.33	3.31	0.53	-488.78	105.51
		56.10	-488.78	-5.45e-03	0.0	75.0	-515.13	-0.33	3.31	0.53	-240.74	80.81
						150.0	-495.11	-0.33	3.31	0.53	7.30	56.10
137	102	90.28	4.06	4.62e-04	0.0	0.0	-557.82	-0.32	2.36	0.35	-349.83	90.28
		42.90	-349.83	-3.91e-03	0.0	75.0	-537.80	-0.32	2.36	0.35	-172.88	66.59
						150.0	-517.78	-0.32	2.36	0.35	4.06	42.90
137	103	44.97	-36.65	2.21e-04	0.0	0.0	-523.51	-0.19	1.30	-0.20	-231.57	44.97
		16.97	-231.57	-2.81e-03	0.0	75.0	-503.49	-0.19	1.30	-0.20	-134.11	30.97
						150.0	-483.47	-0.19	1.30	-0.20	-36.65	16.97
137	105	78.40	-0.38	3.97e-04	0.0	0.0	-525.04	-0.29	1.06	0.14	-159.27	78.40
		35.46	-159.27	-1.79e-03	0.0	75.0	-505.03	-0.29	1.06	0.14	-79.83	56.93
						150.0	-485.01	-0.29	1.06	0.14	-0.38	35.46
137	106	94.67	4.22	4.90e-04	0.0	0.0	-531.10	-0.31	2.41	0.37	-356.97	94.67
		47.85	-356.97	-3.99e-03	0.0	75.0	-511.09	-0.31	2.41	0.37	-176.37	71.26
						150.0	-491.07	-0.31	2.41	0.37	4.22	47.85
138	3	44.11	-681.11	2.33e-04	0.0	0.0	-1557.89	-0.13	2.46	-1.15	-1050.68	44.11
		24.35	-1050.68	-0.02	0.0	75.0	-1531.86	-0.13	2.46	-1.15	-865.90	34.23
						150.0	-1505.84	-0.13	2.46	-1.15	-681.11	24.35
138	5	-53.65	-123.82	-4.44e-04	0.0	0.0	-876.96	0.18	-0.10	-1.91	-123.82	-80.52
		-80.52	-138.41	-2.17e-03	0.0	75.0	-856.94	0.18	-0.10	-1.91	-131.12	-67.08
						150.0	-836.92	0.18	-0.10	-1.91	-138.41	-53.65
138	11	-13.66	-554.81	-1.19e-04	0.0	0.0	-1706.47	-0.11	0.40	-1.95	-615.08	-13.66
		-30.35	-615.08	-0.01	0.0	75.0	-1680.45	-0.11	0.40	-1.95	-584.94	-22.01
						150.0	-1654.43	-0.11	0.40	-1.95	-554.81	-30.35
138	12	-90.74	41.93	-6.56e-04	0.0	0.0	-1139.35	0.15	-1.34	-2.48	41.93	-113.45
		-113.45	-159.69	-4.26e-04	0.0	75.0	-1119.34	0.15	-1.34	-2.48	-58.88	-102.09
						150.0	-1099.32	0.15	-1.34	-2.48	-159.69	-90.74
138	20	-127.26	-52.02	-1.08e-03	0.0	0.0	-1012.23	0.47	-0.68	-3.54	-52.02	-197.51
		-197.51	-154.55	-1.45e-03	0.0	75.0	-992.21	0.47	-0.68	-3.54	-103.28	-162.39
						150.0	-972.19	0.47	-0.68	-3.54	-154.55	-127.26
138	23	-1.817e+04	1690.61	-0.17	0.0	0.0	-1982.96	91.74	-7.47	-5.85	1690.61	-3.184e+04
		-3.184e+04	567.78	0.02	0.0	75.0	-1962.94	91.74	-7.47	-5.85	1129.19	-2.500e+04
						150.0	-1942.92	91.74	-7.47	-5.85	567.78	-1.817e+04
138	26	3.203e+04	-1035.05	0.17	0.0	0.0	54.46	-92.42	8.16	6.31	-2260.66	3.203e+04
		1.826e+04	-2260.66	-0.03	0.0	75.0	74.48	-92.42	8.16	6.31	-1647.85	2.514e+04
						150.0	94.49	-92.42	8.16	6.31	-1035.05	1.826e+04
138	44	9768.47	1.121e+04	0.05	0.0	0.0	462.79	-30.39	-45.79	-52.15	1.121e+04	9768.47
		5280.22	4350.69	0.15	0.0	75.0	482.81	-30.39	-45.79	-52.15	7780.33	7524.34
						150.0	502.82	-30.39	-45.79	-52.15	4350.69	5280.22
138	45	-5189.59	-4817.95	-0.05	0.0	0.0	-2391.29	29.72	46.47	52.61	-1.178e+04	-9576.78
		-9576.78	-1.178e+04	-0.16	0.0	75.0	-2371.27	29.72	46.47	52.61	-8298.99	-7383.19
						150.0	-2351.25	29.72	46.47	52.61	-4817.95	-5189.59
138	55	-8677.36	684.38	-0.08	0.0	0.0	-1429.07	43.74	-3.49	-2.63	684.38	-1.519e+04
		-1.519e+04	159.94	8.59e-03	0.0	75.0	-1409.05	43.74	-3.49	-2.63	422.16	-1.193e+04
						150.0	-1389.03	43.74	-3.49	-2.63	159.94	-8677.36
138	58	1.538e+04	-627.20	0.08	0.0	0.0	-499.43	-44.42	4.17	3.09	-1254.43	1.538e+04
		8767.99	-1254.43	-0.02	0.0	75.0	-479.41	-44.42	4.17	3.09	-940.82	1.207e+04
						150.0	-459.39	-44.42	4.17	3.09	-627.20	8767.99
138	76	4424.60	4760.42	0.02	0.0	0.0	-335.64	-13.73	-19.93	-22.95	4760.42	4424.60
		2402.20	1776.40	0.06	0.0	75.0	-315.62	-13.73	-19.93	-22.95	3268.41	3413.40
						150.0	-295.61	-13.73	-19.93	-22.95	1776.40	2402.20
138	77	-2311.57	-2243.67	-0.02	0.0	0.0	-1592.86	13.05	20.61	23.42	-5330.47	-4232.91
		-4232.91	-5330.47	-0.07	0.0	75.0	-1572.84	13.05	20.61	23.42	-3787.07	-3272.24
						150.0	-1552.82	13.05	20.61	23.42	-2243.67	-2311.57
138	87	-21.25	-116.19	-1.32e-04	0.0	0.0	-892.45	-1.64e-03	-0.16	-1.27	-116.19	-21.25
		-21.49	-140.74	-2.10e-03	0.0	75.0	-872.43	-1.64e-03	-0.16	-1.27	-128.46	-21.37
						150.0	-852.41	-1.64e-03	-0.16	-1.27	-140.74	-21.49
138	89	33.97	-468.72	1.77e-04	0.0	0.0	-1145.36	-0.11	1.65	-0.74	-715.87	33.97
		17.63	-715.87	-0.01	0.0	75.0	-1125.34	-0.11	1.65	-0.74	-592.30	25.80
						150.0	-1105.32	-0.11	1.65	-0.74	-468.72	17.63
138	91	-43.20	-5.69	-2.74e-04	0.0	0.0	-1067.38	-0.02	-0.99	-1.65	-5.69	-43.20
		-46.22	-154.93	-9.34e-04	0.0	75.0	-1047.36	-0.02	-0.99	-1.65	-80.31	-44.71
						150.0	-1027.34	-0.02	-0.99	-1.65	-154.93	-46.22
138	93	-4.54	-384.51	-5.77e-05	0.0	0.0	-1244.42	-0.10	0.27	-1.28	-425.47	-4.54
		-18.84	-425.47	-6.94e-03	0.0	75.0	-1224.40	-0.10	0.27	-1.28	-404.99	-11.69
						150.0	-1204.38	-0.10	0.27	-1.28	-384.51	-18.84
138	95	-70.57	-68.32	-5.56e-04	0.0	0.0	-982.63	0.19	-0.55	-2.35	-68.32	-99.24

		-99.24	-151.50	-1.62e-03	0.0	75.0	-962.61	0.19	-0.55	-2.35	-109.91	-84.91
						150.0	-942.59	0.19	-0.55	-2.35	-151.50	-70.57
138	98	79.28	-105.12	3.97e-04	0.0	0.0	-888.38	-0.30	-0.20	0.07	-105.12	79.28
		33.58	-135.24	-1.94e-03	0.0	75.0	-868.36	-0.30	-0.20	0.07	-120.18	56.43
						150.0	-848.34	-0.30	-0.20	0.07	-135.24	33.58
138	99	106.89	-299.23	5.52e-04	0.0	0.0	-1014.83	-0.36	0.70	0.34	-404.96	106.89
		53.14	-404.96	-6.23e-03	0.0	75.0	-994.81	-0.36	0.70	0.34	-352.10	80.01
						150.0	-974.80	-0.36	0.70	0.34	-299.23	53.14
138	100	74.89	-83.02	3.69e-04	0.0	0.0	-923.36	-0.31	-0.37	-2.35e-03	-83.02	74.89
		28.63	-138.08	-1.71e-03	0.0	75.0	-903.34	-0.31	-0.37	-2.35e-03	-110.55	51.76
						150.0	-883.33	-0.31	-0.37	-2.35e-03	-138.08	28.63
138	103	45.77	-108.81	2.21e-04	0.0	0.0	-889.73	-0.20	-0.19	-0.37	-108.81	45.77
		15.22	-137.07	-1.99e-03	0.0	75.0	-869.72	-0.20	-0.19	-0.37	-122.94	30.49
						150.0	-849.70	-0.20	-0.19	-0.37	-137.07	15.22
138	105	79.28	-105.12	3.97e-04	0.0	0.0	-888.38	-0.30	-0.20	0.07	-105.12	79.28
		33.58	-135.24	-1.94e-03	0.0	75.0	-868.36	-0.30	-0.20	0.07	-120.18	56.43
						150.0	-848.34	-0.30	-0.20	0.07	-135.24	33.58
138	106	95.84	-233.63	4.90e-04	0.0	0.0	-964.25	-0.34	0.34	0.23	-285.03	95.84
		45.31	-285.03	-4.51e-03	0.0	75.0	-944.23	-0.34	0.34	0.23	-259.33	70.58
						150.0	-924.21	-0.34	0.34	0.23	-233.63	45.31
139	5	121.96	-518.64	-1.06e-03	0.0	0.0	-420.45	0.71	8.45	1.80	-1673.06	24.70
		24.70	-1673.06	-0.02	0.0	68.3	-402.22	0.71	8.45	1.80	-1095.85	73.33
						136.7	-383.98	0.71	8.45	1.80	-518.64	121.96
139	9	231.21	-1089.61	-2.01e-03	0.0	0.0	-824.40	1.89	19.04	9.65	-3691.62	-27.34
		-27.34	-3691.62	-0.04	0.0	68.3	-800.70	1.89	19.04	9.65	-2390.61	101.93
						136.7	-776.99	1.89	19.04	9.65	-1089.61	231.21
139	11	227.32	-1339.22	-8.61e-04	0.0	0.0	-884.84	1.56	21.80	7.32	-4318.25	14.07
		14.07	-4318.25	-0.04	0.0	68.3	-861.13	1.56	21.80	7.32	-2828.74	120.69
						136.7	-837.42	1.56	21.80	7.32	-1339.22	227.32
139	23	6923.31	395.03	-0.38	0.0	0.0	-652.69	5.79	-3.47	-12.12	395.03	6425.88
		6425.88	-72.08	8.69e-03	0.0	68.3	-634.45	5.79	-3.47	-12.12	161.48	6674.60
						136.7	-616.21	5.79	-3.47	-12.12	-72.08	6923.31
139	26	-6479.49	-1107.71	0.38	0.0	0.0	-239.06	-4.54	22.10	19.39	-4120.76	-6479.49
		-6806.64	-4120.76	-0.04	0.0	68.3	-220.82	-4.54	22.10	19.39	-2614.24	-6643.07
						136.7	-202.58	-4.54	22.10	19.39	-1107.71	-6806.64
139	44	-2222.82	9479.07	0.10	0.0	0.0	-317.75	14.79	-49.65	16.16	9479.07	-3162.16
		-3162.16	2732.30	0.11	0.0	68.3	-299.51	14.79	-49.65	16.16	6105.68	-2692.49
						136.7	-281.27	14.79	-49.65	16.16	2732.30	-2222.82
139	45	3108.55	-3912.09	-0.10	0.0	0.0	-574.00	-13.55	68.28	-8.89	-1.320e+04	3108.55
		2339.49	-1.320e+04	-0.14	0.0	68.3	-555.76	-13.55	68.28	-8.89	-8558.44	2724.02
						136.7	-537.52	-13.55	68.28	-8.89	-3912.09	2339.49
139	51	5287.41	-2276.65	-0.24	0.0	0.0	-708.85	-6.91	37.08	-23.67	-7278.22	5287.41
		4885.14	-7278.22	-0.07	0.0	68.3	-690.61	-6.91	37.08	-23.67	-4777.44	5086.27
						136.7	-672.38	-6.91	37.08	-23.67	-2276.65	4885.14
139	54	-4768.47	3552.49	0.24	0.0	0.0	-182.89	8.15	-18.45	30.94	3552.49	-5341.01
		-5341.01	1096.86	0.04	0.0	68.3	-164.66	8.15	-18.45	30.94	2324.68	-5054.74
						136.7	-146.42	8.15	-18.45	30.94	1096.86	-4768.47
139	55	3359.94	-338.33	-0.18	0.0	0.0	-542.76	3.14	3.02	-4.02	-753.62	3077.96
		3077.96	-753.62	-3.91e-03	0.0	68.3	-524.52	3.14	3.02	-4.02	-545.97	3218.95
						136.7	-506.29	3.14	3.02	-4.02	-338.33	3359.94
139	58	-3131.57	-841.46	0.18	0.0	0.0	-348.98	-1.89	15.60	11.29	-2972.11	-3131.57
		-3243.27	-2972.11	-0.03	0.0	68.3	-330.75	-1.89	15.60	11.29	-1906.79	-3187.42
						136.7	-312.51	-1.89	15.60	11.29	-841.46	-3243.27
139	76	-963.35	3144.17	0.05	0.0	0.0	-389.43	7.37	-16.82	9.96	3144.17	-1435.69
		-1435.69	866.17	0.04	0.0	68.3	-371.19	7.37	-16.82	9.96	2005.17	-1199.52
						136.7	-352.95	7.37	-16.82	9.96	866.17	-963.35
139	77	1382.08	-2045.96	-0.04	0.0	0.0	-502.32	-6.13	35.45	-2.68	-6869.90	1382.08
		1080.02	-6869.90	-0.07	0.0	68.3	-484.08	-6.13	35.45	-2.68	-4457.93	1231.05
						136.7	-465.84	-6.13	35.45	-2.68	-2045.96	1080.02
139	83	2505.83	-1352.47	-0.11	0.0	0.0	-568.68	-3.08	21.83	-9.97	-4299.54	2505.83
		2358.37	-4299.54	-0.04	0.0	68.3	-550.45	-3.08	21.83	-9.97	-2826.00	2432.10
						136.7	-532.21	-3.08	21.83	-9.97	-1352.47	2358.37
139	86	-2241.70	573.81	0.12	0.0	0.0	-323.06	4.32	-3.20	17.24	573.81	-2559.44
		-2559.44	172.68	8.69e-03	0.0	68.3	-304.82	4.32	-3.20	17.24	373.25	-2400.57
						136.7	-286.59	4.32	-3.20	17.24	172.68	-2241.70
139	87	101.78	-531.54	-5.76e-04	0.0	0.0	-430.52	0.73	8.68	2.71	-1718.24	2.06
		2.06	-1718.24	-0.02	0.0	68.3	-412.28	0.73	8.68	2.71	-1124.89	51.92
						136.7	-394.05	0.73	8.68	2.71	-531.54	101.78
139	91	161.42	-782.63	-1.36e-03	0.0	0.0	-599.40	1.34	13.62	6.93	-2644.00	-21.85
		-21.85	-2644.00	-0.03	0.0	68.3	-581.16	1.34	13.62	6.93	-1713.31	69.78
						136.7	-562.92	1.34	13.62	6.93	-782.63	161.42
139	93	158.82	-949.04	-5.92e-04	0.0	0.0	-639.69	1.12	15.46	5.38	-3061.75	5.76
		5.76	-3061.75	-0.03	0.0	68.3	-621.45	1.12	15.46	5.38	-2005.40	82.29
						136.7	-603.22	1.12	15.46	5.38	-949.04	158.82
139	98	59.45	-518.58	2.48e-04	0.0	0.0	-428.61	0.72	8.53	4.30	-1683.82	-38.64
		-38.64	-1683.82	-0.02	0.0	68.3	-410.37	0.72	8.53	4.30	-1101.20	10.41
						136.7	-392.13	0.72	8.53	4.30	-518.58	59.45

139	100	71.38	-568.80	9.20e-05	0.0	0.0	-462.38	0.84	9.51	5.14	-1868.98	-43.42
		-43.42	-1868.98	-0.02	0.0	68.3	-444.14	0.84	9.51	5.14	-1218.89	13.98
						136.7	-425.90	0.84	9.51	5.14	-568.80	71.38
139	102	70.26	-640.11	4.19e-04	0.0	0.0	-479.65	0.75	10.30	4.48	-2048.01	-31.59
		-31.59	-2048.01	-0.02	0.0	68.3	-461.41	0.75	10.30	4.48	-1344.06	19.34
						136.7	-443.17	0.75	10.30	4.48	-640.11	70.26
139	103	73.56	-522.90	-5.12e-05	0.0	0.0	-429.24	0.72	8.58	3.77	-1695.30	-25.07
		-25.07	-1695.30	-0.02	0.0	68.3	-411.01	0.72	8.58	3.77	-1109.10	24.24
						136.7	-392.77	0.72	8.58	3.77	-522.90	73.56
139	105	59.45	-518.58	2.48e-04	0.0	0.0	-428.61	0.72	8.53	4.30	-1683.82	-38.64
		-38.64	-1683.82	-0.02	0.0	68.3	-410.37	0.72	8.53	4.30	-1101.20	10.41
						136.7	-392.13	0.72	8.53	4.30	-518.58	59.45
139	106	58.34	-589.90	5.75e-04	0.0	0.0	-445.87	0.62	9.31	3.64	-1862.86	-26.80
		-26.80	-1862.86	-0.02	0.0	68.3	-427.64	0.62	9.31	3.64	-1226.38	15.77
						136.7	-409.40	0.62	9.31	3.64	-589.90	58.34
142	3	30.14	-67.76	5.83e-04	0.0	0.0	-637.13	-0.15	0.49	1.46	-140.93	30.14
		8.12	-140.93	-0.03	0.0	75.0	-611.11	-0.15	0.49	1.46	-104.34	19.13
						150.0	-585.08	-0.15	0.49	1.46	-67.76	8.12
142	7	11.71	-39.21	1.26e-04	0.0	0.0	-482.26	0.01	0.67	1.15	-140.07	10.05
		10.05	-140.07	-0.03	0.0	75.0	-462.24	0.01	0.67	1.15	-89.64	10.88
						150.0	-442.22	0.01	0.67	1.15	-39.21	11.71
142	11	-25.38	-137.57	-4.48e-04	0.0	0.0	-828.39	-0.10	0.08	-0.10	-149.38	-25.38
		-40.97	-149.38	-0.02	0.0	75.0	-802.37	-0.10	0.08	-0.10	-143.48	-33.18
						150.0	-776.34	-0.10	0.08	-0.10	-137.57	-40.97
142	16	-53.61	-129.70	-2.17e-03	0.0	0.0	-702.40	0.34	0.97	-5.93	-274.48	-105.03
		-105.03	-274.48	-0.02	0.0	75.0	-676.38	0.34	0.97	-5.93	-202.09	-79.32
						150.0	-650.35	0.34	0.97	-5.93	-129.70	-53.61
142	19	-30.82	-71.22	-2.30e-03	0.0	0.0	-447.35	0.51	1.34	-6.14	-272.94	-106.61
		-106.61	-272.94	-0.02	0.0	75.0	-427.34	0.51	1.34	-6.14	-172.08	-68.71
						150.0	-407.32	0.51	1.34	-6.14	-71.22	-30.82
142	20	-50.02	-101.15	-2.63e-03	0.0	0.0	-547.53	0.50	1.15	-6.25	-273.62	-125.12
		-125.12	-273.62	-0.02	0.0	75.0	-527.51	0.50	1.15	-6.25	-187.39	-87.57
						150.0	-507.49	0.50	1.15	-6.25	-101.15	-50.02
142	23	-5349.07	348.15	-0.40	0.0	0.0	-615.20	89.01	8.59	-4.54	184.24	-1.819e+04
		-1.819e+04	184.24	0.02	0.0	75.0	-595.18	89.01	8.59	-4.54	266.20	-1.177e+04
						150.0	-575.17	89.01	8.59	-4.54	348.15	-5349.07
142	26	1.829e+04	-175.32	0.40	0.0	0.0	-329.63	-89.73	-9.59	8.25	-175.32	1.829e+04
		5336.47	-488.60	-0.03	0.0	75.0	-309.62	-89.73	-9.59	8.25	-331.96	1.181e+04
						150.0	-289.60	-89.73	-9.59	8.25	-488.60	5336.47
142	28	-3936.23	1385.36	-0.28	0.0	0.0	-617.43	61.81	2.74	-36.39	1385.36	-1.303e+04
		-1.303e+04	-381.29	0.06	0.0	75.0	-597.41	61.81	2.74	-36.39	502.04	-8484.00
						150.0	-577.39	61.81	2.74	-36.39	-381.29	-3936.23
142	29	1.313e+04	240.83	0.28	0.0	0.0	-327.41	-62.53	-3.74	40.09	-1376.45	1.313e+04
		3923.64	-1376.45	-0.07	0.0	75.0	-307.39	-62.53	-3.74	40.09	-567.81	8525.56
						150.0	-287.37	-62.53	-3.74	40.09	240.83	3923.64
142	44	5293.32	2634.84	0.12	0.0	0.0	-421.23	-29.52	-14.00	-72.89	2634.84	5293.32
		1392.34	-1061.38	0.10	0.0	75.0	-401.21	-29.52	-14.00	-72.89	786.73	3342.83
						150.0	-381.20	-29.52	-14.00	-72.89	-1061.38	1392.34
142	45	-1404.93	920.93	-0.11	0.0	0.0	-523.60	28.80	13.00	76.60	-2625.92	-5197.62
		-5197.62	-2625.92	-0.11	0.0	75.0	-503.59	28.80	13.00	76.60	-352.50	-3301.27
						150.0	-483.57	28.80	13.00	76.60	920.93	-1404.93
142	55	-2591.82	142.14	-0.19	0.0	0.0	-541.13	42.40	3.70	-1.02	77.18	-8685.51
		-8685.51	77.18	5.25e-03	0.0	75.0	-521.12	42.40	3.70	-1.02	109.66	-5638.66
						150.0	-501.10	42.40	3.70	-1.02	142.14	-2591.82
142	58	8781.21	-68.26	0.19	0.0	0.0	-403.70	-43.13	-4.70	4.73	-68.26	8781.21
		2579.22	-282.59	-0.02	0.0	75.0	-383.68	-43.13	-4.70	4.73	-175.43	5680.22
						150.0	-363.66	-43.13	-4.70	4.73	-282.59	2579.22
142	60	-1909.27	657.43	-0.14	0.0	0.0	-542.42	29.75	1.02	-14.90	657.43	-6270.38
		-6270.38	-230.88	0.03	0.0	75.0	-522.40	29.75	1.02	-14.90	213.27	-4089.82
						150.0	-502.39	29.75	1.02	-14.90	-230.88	-1909.27
142	61	6366.08	90.42	0.14	0.0	0.0	-402.41	-30.47	-2.02	18.61	-648.51	6366.08
		1896.68	-648.51	-0.04	0.0	75.0	-382.40	-30.47	-2.02	18.61	-279.04	4131.38
						150.0	-362.38	-30.47	-2.02	18.61	90.42	1896.68
142	76	2409.26	1261.66	0.05	0.0	0.0	-448.29	-13.35	-6.64	-30.58	1261.66	2409.26
		665.91	-577.92	0.04	0.0	75.0	-428.27	-13.35	-6.64	-30.58	341.87	1537.58
						150.0	-408.25	-13.35	-6.64	-30.58	-577.92	665.91
142	77	-678.50	437.46	-0.05	0.0	0.0	-496.55	12.63	5.64	34.29	-1252.74	-2313.56
		-2313.56	-1252.74	-0.05	0.0	75.0	-476.53	12.63	5.64	34.29	-407.64	-1496.03
						150.0	-456.51	12.63	5.64	34.29	437.46	-678.50
142	89	21.68	-53.59	4.29e-04	0.0	0.0	-481.95	-0.12	0.27	1.09	-93.73	21.68
		3.48	-93.73	-0.02	0.0	75.0	-461.93	-0.12	0.27	1.09	-73.66	12.58
						150.0	-441.91	-0.12	0.27	1.09	-53.59	3.48
142	93	-15.33	-99.36	-2.58e-04	0.0	0.0	-609.45	-0.09	-5.13e-03	0.05	-99.36	-15.33
		-29.25	-100.13	-0.02	0.0	75.0	-589.44	-0.09	-5.13e-03	0.05	-99.75	-22.29
						150.0	-569.42	-0.09	-5.13e-03	0.05	-100.13	-29.25
142	94	-24.88	-74.93	-1.19e-03	0.0	0.0	-458.68	0.21	0.72	-3.76	-182.31	-56.09
		-56.09	-182.31	-0.01	0.0	75.0	-438.66	0.21	0.72	-3.76	-128.62	-40.48

						150.0	-418.64	0.21	0.72	-3.76	-74.93	-24.88
142	95	-37.67	-94.89	-1.41e-03	0.0	0.0	-525.46	0.21	0.59	-3.84	-182.76	-68.43
		-68.43	-182.76	-0.01	0.0	75.0	-505.44	0.21	0.59	-3.84	-138.82	-53.05
						150.0	-485.42	0.21	0.59	-3.84	-94.89	-37.67
142	99	56.08	7.61	1.23e-03	0.0	0.0	-476.46	-0.38	-0.49	2.45	7.61	56.08
		-1.54	-65.81	-8.40e-03	0.0	75.0	-456.44	-0.38	-0.49	2.45	-29.10	27.27
						150.0	-436.42	-0.38	-0.49	2.45	-65.81	-1.54
142	100	30.58	-0.45	7.36e-04	0.0	0.0	-493.07	-0.33	-0.56	0.93	-0.45	30.58
		-18.55	-84.84	-3.05e-03	0.0	75.0	-473.05	-0.33	-0.56	0.93	-42.65	6.01
						150.0	-453.04	-0.33	-0.56	0.93	-84.84	-18.55
142	102	42.92	4.28	9.80e-04	0.0	0.0	-499.13	-0.36	-0.55	1.82	4.28	42.92
		-11.41	-78.21	-6.22e-03	0.0	75.0	-479.11	-0.36	-0.55	1.82	-36.97	15.75
						150.0	-459.10	-0.36	-0.55	1.82	-78.21	-11.41
142	103	17.19	-36.68	4.23e-04	0.0	0.0	-464.82	-0.22	-0.27	0.02	-36.68	17.19
		-15.72	-76.48	-5.36e-03	0.0	75.0	-444.80	-0.22	-0.27	0.02	-56.58	0.74
						150.0	-424.79	-0.22	-0.27	0.02	-76.48	-15.72
142	105	35.51	-0.27	8.25e-04	0.0	0.0	-466.36	-0.33	-0.51	0.96	-0.27	35.51
		-13.43	-76.86	-3.12e-03	0.0	75.0	-446.34	-0.33	-0.51	0.96	-38.57	11.04
						150.0	-426.32	-0.33	-0.51	0.96	-76.86	-13.43
142	106	47.85	4.46	1.07e-03	0.0	0.0	-472.42	-0.36	-0.50	1.85	4.46	47.85
		-6.30	-70.23	-6.29e-03	0.0	75.0	-452.40	-0.36	-0.50	1.85	-32.88	20.78
						150.0	-432.38	-0.36	-0.50	1.85	-70.23	-6.30
143	9	-50.09	-106.82	-2.09e-03	0.0	0.0	-730.89	0.10	0.36	-2.64	-160.97	-65.26
		-65.26	-160.97	-0.02	0.0	75.0	-704.87	0.10	0.36	-2.64	-133.90	-57.68
						150.0	-678.84	0.10	0.36	-2.64	-106.82	-50.09
143	11	-41.16	15.89	-9.31e-04	0.0	0.0	-752.10	-0.02	1.02	-0.45	-136.69	-41.16
		-44.31	-136.69	-0.03	0.0	75.0	-726.07	-0.02	1.02	-0.45	-60.40	-42.73
						150.0	-700.05	-0.02	1.02	-0.45	15.89	-44.31
143	19	45.43	145.39	-2.67e-03	0.0	0.0	-388.67	0.50	1.45	-5.70	-72.26	-29.30
		-29.30	-72.26	-0.02	0.0	75.0	-368.65	0.50	1.45	-5.70	36.56	8.07
						150.0	-348.63	0.50	1.45	-5.70	145.39	45.43
143	21	51.22	268.10	-1.52e-03	0.0	0.0	-409.88	0.38	2.11	-3.51	-47.98	-5.20
		-5.20	-47.98	-0.03	0.0	75.0	-389.86	0.38	2.11	-3.51	110.06	23.01
						150.0	-369.84	0.38	2.11	-3.51	268.10	51.22
143	28	3893.81	-69.64	-0.33	0.0	0.0	-558.72	49.66	1.92	17.08	-378.77	-3933.74
		-3933.74	-378.77	0.06	0.0	75.0	-538.71	49.66	1.92	17.08	-224.20	-19.97
						150.0	-518.69	49.66	1.92	17.08	-69.64	3893.81
143	29	3919.97	239.79	0.33	0.0	0.0	-268.74	-50.34	-2.24	-14.44	239.79	3919.97
		-4009.31	-117.69	-0.08	0.0	75.0	-248.72	-50.34	-2.24	-14.44	61.05	-44.67
						150.0	-228.70	-50.34	-2.24	-14.44	-117.69	-4009.31
143	31	6487.23	373.02	-0.36	0.0	0.0	-517.14	60.69	-6.21	-22.52	373.02	-3615.78
		-3615.78	-733.90	0.05	0.0	75.0	-497.12	60.69	-6.21	-22.52	-180.44	1435.73
						150.0	-477.11	60.69	-6.21	-22.52	-733.90	6487.23
143	34	3602.00	546.57	0.36	0.0	0.0	-310.32	-61.37	5.89	25.17	-512.00	3602.00
		-6602.74	-512.00	-0.07	0.0	75.0	-290.30	-61.37	5.89	25.17	17.29	-1500.37
						150.0	-270.29	-61.37	5.89	25.17	546.57	-6602.74
143	51	5234.91	1370.71	-0.30	0.0	0.0	-355.14	49.15	-13.77	24.25	1370.71	-3318.18
		-3318.18	-1007.43	-0.06	0.0	75.0	-335.12	49.15	-13.77	24.25	181.64	958.37
						150.0	-315.11	49.15	-13.77	24.25	-1007.43	5234.91
143	54	3304.40	820.10	0.30	0.0	0.0	-472.32	-49.83	13.44	-21.60	-1509.69	3304.40
		-5350.41	-1509.69	0.04	0.0	75.0	-452.30	-49.83	13.44	-21.60	-344.79	-1023.01
						150.0	-432.28	-49.83	13.44	-21.60	820.10	-5350.41
143	55	3055.37	144.04	-0.22	0.0	0.0	-482.44	34.06	-2.70	19.00	144.04	-2591.21
		-2591.21	-319.29	3.94e-03	0.0	75.0	-462.42	34.06	-2.70	19.00	-87.62	232.08
						150.0	-442.41	34.06	-2.70	19.00	-319.29	3055.37
143	58	2577.43	131.96	0.22	0.0	0.0	-345.02	-34.74	2.37	-16.36	-283.02	2577.43
		-3170.87	-283.02	-0.02	0.0	75.0	-325.00	-34.74	2.37	-16.36	-75.53	-296.72
						150.0	-304.99	-34.74	2.37	-16.36	131.96	-3170.87
143	60	1880.73	-75.29	-0.16	0.0	0.0	-483.73	23.84	0.97	8.84	-229.28	-1908.43
		-1908.43	-229.28	0.03	0.0	75.0	-463.71	23.84	0.97	8.84	-152.28	-13.85
						150.0	-443.69	23.84	0.97	8.84	-75.29	1880.73
143	61	1894.66	90.30	0.16	0.0	0.0	-343.74	-24.52	-1.29	-6.20	90.30	1894.66
		-1996.23	-112.03	-0.04	0.0	75.0	-323.72	-24.52	-1.29	-6.20	-10.87	-50.79
						150.0	-303.70	-24.52	-1.29	-6.20	-112.03	-1996.23
143	83	2464.43	666.32	-0.14	0.0	0.0	-385.32	23.18	-7.07	11.56	666.32	-1609.93
		-1609.93	-541.11	-0.03	0.0	75.0	-365.31	23.18	-7.07	11.56	62.60	427.25
						150.0	-345.29	23.18	-7.07	11.56	-541.11	2464.43
143	86	1596.15	353.79	0.14	0.0	0.0	-442.14	-23.85	6.75	-8.91	-805.30	1596.15
		-2579.93	-805.30	0.01	0.0	75.0	-422.12	-23.85	6.75	-8.91	-225.75	-491.89
						150.0	-402.10	-23.85	6.75	-8.91	353.79	-2579.93
143	91	-39.02	-85.75	-1.38e-03	0.0	0.0	-536.63	0.04	0.20	-1.68	-115.69	-45.48
		-45.48	-115.69	-0.01	0.0	75.0	-516.61	0.04	0.20	-1.68	-100.72	-42.25
						150.0	-496.59	0.04	0.20	-1.68	-85.75	-39.02
143	93	-29.41	-3.95	-6.05e-04	0.0	0.0	-550.77	-0.04	0.64	-0.22	-99.50	-29.41
		-35.16	-99.50	-0.02	0.0	75.0	-530.75	-0.04	0.64	-0.22	-51.72	-32.29
						150.0	-510.73	-0.04	0.64	-0.22	-3.95	-35.16
143	94	8.19	51.40	-1.49e-03	0.0	0.0	-399.99	0.21	0.85	-3.55	-75.47	-23.99

		-23.99	-75.47	-0.02	0.0	75.0	-379.97	0.21	0.85	-3.55	-12.04	-7.90
						150.0	-359.95	0.21	0.85	-3.55	51.40	8.19
143	96	12.05	133.20	-7.17e-04	0.0	0.0	-414.13	0.13	1.28	-2.09	-59.28	-7.92
		-7.92	-59.28	-0.02	0.0	75.0	-394.11	0.13	1.28	-2.09	36.96	2.07
						150.0	-374.09	0.13	1.28	-2.09	133.20	12.05
143	99	-2.30	-64.87	1.21e-03	0.0	0.0	-417.77	-0.36	-0.04	1.74	-64.87	-2.30
		-56.65	-70.29	-0.01	0.0	75.0	-397.75	-0.36	-0.04	1.74	-67.58	-29.47
						150.0	-377.74	-0.36	-0.04	1.74	-70.29	-56.65
143	100	-18.89	-84.39	5.14e-04	0.0	0.0	-434.38	-0.30	-0.38	0.73	-84.39	-18.89
		-63.44	-141.74	-5.75e-03	0.0	75.0	-414.37	-0.30	-0.38	0.73	-113.07	-41.16
						150.0	-394.35	-0.30	-0.38	0.73	-141.74	-63.44
143	102	-12.00	-77.46	8.44e-04	0.0	0.0	-440.44	-0.33	-0.19	1.36	-77.46	-12.00
		-61.79	-106.68	-8.54e-03	0.0	75.0	-420.43	-0.33	-0.19	1.36	-92.07	-36.89
						150.0	-400.41	-0.33	-0.19	1.36	-106.68	-61.79
143	103	-15.82	-76.24	2.33e-04	0.0	0.0	-406.14	-0.20	-0.11	-0.15	-76.24	-15.82
		-45.88	-92.70	-7.80e-03	0.0	75.0	-386.12	-0.20	-0.11	-0.15	-84.47	-30.85
						150.0	-366.10	-0.20	-0.11	-0.15	-92.70	-45.88
143	104	-8.93	-57.64	5.63e-04	0.0	0.0	-412.19	-0.24	0.08	0.47	-69.30	-8.93
		-44.23	-69.30	-0.01	0.0	75.0	-392.18	-0.24	0.08	0.47	-63.47	-26.58
						150.0	-372.16	-0.24	0.08	0.47	-57.64	-44.23
143	105	-13.77	-76.43	6.63e-04	0.0	0.0	-407.67	-0.30	-0.35	0.70	-76.43	-13.77
		-59.40	-128.72	-5.57e-03	0.0	75.0	-387.65	-0.30	-0.35	0.70	-102.57	-36.59
						150.0	-367.64	-0.30	-0.35	0.70	-128.72	-59.40
143	106	-6.89	-69.49	9.93e-04	0.0	0.0	-413.73	-0.34	-0.16	1.32	-69.49	-6.89
		-57.75	-93.66	-8.36e-03	0.0	75.0	-393.71	-0.34	-0.16	1.32	-81.58	-32.32
						150.0	-373.70	-0.34	-0.16	1.32	-93.66	-57.75
144	4	11.03	-430.72	2.54e-04	0.0	0.0	-1624.64	0.03	1.74	2.34	-691.78	5.80
		5.80	-691.78	-0.04	0.0	75.0	-1598.62	0.03	1.74	2.34	-561.25	8.41
						150.0	-1572.59	0.03	1.74	2.34	-430.72	11.03
144	5	-17.34	-137.87	-1.09e-03	0.0	0.0	-827.39	0.24	-0.11	-2.77	-137.87	-53.65
		-53.65	-155.05	-6.84e-03	0.0	75.0	-807.37	0.24	-0.11	-2.77	-146.46	-35.49
						150.0	-787.35	0.24	-0.11	-2.77	-155.05	-17.34
144	7	30.63	-249.63	1.30e-04	0.0	0.0	-1206.75	0.17	2.54	1.95	-630.44	5.04
		5.04	-630.44	-0.04	0.0	75.0	-1186.74	0.17	2.54	1.95	-440.03	17.84
						150.0	-1166.72	0.17	2.54	1.95	-249.63	30.63
144	11	-22.38	-508.34	-4.45e-04	0.0	0.0	-1642.03	0.05	0.31	0.97	-554.59	-30.35
		-30.35	-554.59	-0.03	0.0	75.0	-1616.01	0.05	0.31	0.97	-531.47	-26.37
						150.0	-1589.98	0.05	0.31	0.97	-508.34	-22.38
144	20	-43.51	-153.51	-2.63e-03	0.0	0.0	-962.66	0.56	-0.72	-5.20	-153.51	-127.26
		-127.26	-261.07	-6.67e-03	0.0	75.0	-942.64	0.56	-0.72	-5.20	-207.29	-85.39
						150.0	-922.62	0.56	-0.72	-5.20	-261.07	-43.51
144	23	-5418.44	569.98	-0.40	0.0	0.0	-1933.36	88.32	-7.11	-4.57	569.98	-1.817e+04
		-1.817e+04	-496.71	0.04	0.0	75.0	-1913.34	88.32	-7.11	-4.57	36.64	-1.180e+04
						150.0	-1893.32	88.32	-7.11	-4.57	-496.71	-5418.44
144	26	1.826e+04	123.98	0.40	0.0	0.0	104.01	-88.87	7.75	8.40	-1037.72	1.826e+04
		5425.64	-1037.72	-0.07	0.0	75.0	124.03	-88.87	7.75	8.40	-456.87	1.184e+04
						150.0	144.04	-88.87	7.75	8.40	123.98	5425.64
144	44	5280.22	4366.11	0.12	0.0	0.0	512.33	-29.09	-44.81	-59.68	4366.11	5280.22
		1416.02	-2366.64	0.30	0.0	75.0	532.35	-29.09	-44.81	-59.68	999.73	3348.12
						150.0	552.37	-29.09	-44.81	-59.68	-2366.64	1416.02
144	45	-1408.81	1993.92	-0.11	0.0	0.0	-2341.68	28.53	45.44	63.51	-4833.84	-5189.59
		-5189.59	-4833.84	-0.32	0.0	75.0	-2321.67	28.53	45.44	63.51	-1419.96	-3299.20
						150.0	-2301.65	28.53	45.44	63.51	1993.92	-1408.81
144	55	-2619.44	160.89	-0.19	0.0	0.0	-1379.48	42.12	-3.32	-1.13	160.89	-8677.36
		-8677.36	-337.18	0.01	0.0	75.0	-1359.47	42.12	-3.32	-1.13	-88.14	-5648.40
						150.0	-1339.45	42.12	-3.32	-1.13	-337.18	-2619.44
144	58	8767.99	-35.55	0.19	0.0	0.0	-449.87	-42.68	3.96	4.96	-628.63	8767.99
		2626.65	-628.63	-0.04	0.0	75.0	-429.85	-42.68	3.96	4.96	-332.09	5697.32
						150.0	-409.83	-42.68	3.96	4.96	-35.55	2626.65
144	76	2402.20	1783.00	0.05	0.0	0.0	-286.08	-13.11	-19.46	-24.96	1783.00	2402.20
		681.08	-1142.96	0.12	0.0	75.0	-266.06	-13.11	-19.46	-24.96	320.02	1541.64
						150.0	-246.05	-13.11	-19.46	-24.96	-1142.96	681.08
144	77	-673.88	770.23	-0.05	0.0	0.0	-1543.27	12.56	20.10	28.79	-2250.73	-2311.57
		-2311.57	-2250.73	-0.15	0.0	75.0	-1523.25	12.56	20.10	28.79	-740.25	-1492.73
						150.0	-1503.23	12.56	20.10	28.79	770.23	-673.88
144	87	-13.15	-140.42	-3.81e-04	0.0	0.0	-842.88	0.06	-0.18	-1.51	-140.42	-21.49
		-21.49	-167.47	-6.85e-03	0.0	75.0	-822.86	0.06	-0.18	-1.51	-153.94	-17.32
						150.0	-802.84	0.06	-0.18	-1.51	-167.47	-13.15
144	89	18.83	-230.52	4.32e-04	0.0	0.0	-1095.79	7.97e-03	1.59	1.64	-468.80	17.63
		17.63	-468.80	-0.03	0.0	75.0	-1075.77	7.97e-03	1.59	1.64	-349.66	18.23
						150.0	-1055.75	7.97e-03	1.59	1.64	-230.52	18.83
144	90	6.15	-301.19	2.10e-04	0.0	0.0	-1183.25	5.89e-03	1.16	1.67	-475.85	5.27
		5.27	-475.85	-0.03	0.0	75.0	-1163.23	5.89e-03	1.16	1.67	-388.52	5.71
						150.0	-1143.22	5.89e-03	1.16	1.67	-301.19	6.15
144	93	-16.12	-352.93	-2.56e-04	0.0	0.0	-1194.84	0.02	0.21	0.76	-384.39	-18.84
		-18.84	-384.39	-0.02	0.0	75.0	-1174.82	0.02	0.21	0.76	-368.66	-17.48
						150.0	-1154.81	0.02	0.21	0.76	-352.93	-16.12

144	95	-30.60	-150.84	-1.41e-03	0.0	0.0	-933.05	0.27	-0.58	-3.12	-150.84	-70.57
		-70.57	-238.15	-6.73e-03	0.0	75.0	-913.04	0.27	-0.58	-3.12	-194.50	-50.59
						150.0	-893.02	0.27	-0.58	-3.12	-238.15	-30.60
144	98	33.58	-135.35	8.26e-04	0.0	0.0	-838.80	-0.26	-0.21	0.97	-135.35	33.58
		-5.99	-167.45	-6.51e-03	0.0	75.0	-818.79	-0.26	-0.21	0.97	-151.40	13.79
						150.0	-798.77	-0.26	-0.21	0.97	-167.45	-5.99
144	99	53.14	-198.97	1.23e-03	0.0	0.0	-965.26	-0.29	0.67	2.54	-299.54	53.14
		10.00	-299.54	-0.02	0.0	75.0	-945.24	-0.29	0.67	2.54	-249.26	31.57
						150.0	-925.22	-0.29	0.67	2.54	-198.97	10.00
144	100	28.63	-138.17	7.37e-04	0.0	0.0	-873.79	-0.26	-0.38	0.98	-138.17	28.63
		-11.06	-195.71	-6.38e-03	0.0	75.0	-853.77	-0.26	-0.38	0.98	-166.94	8.78
						150.0	-833.75	-0.26	-0.38	0.98	-195.71	-11.06
144	105	33.58	-135.35	8.26e-04	0.0	0.0	-838.80	-0.26	-0.21	0.97	-135.35	33.58
		-5.99	-167.45	-6.51e-03	0.0	75.0	-818.79	-0.26	-0.21	0.97	-151.40	13.79
						150.0	-798.77	-0.26	-0.21	0.97	-167.45	-5.99
144	106	45.31	-186.36	1.07e-03	0.0	0.0	-914.68	-0.28	0.32	1.91	-233.87	45.31
		3.60	-233.87	-0.01	0.0	75.0	-894.66	-0.28	0.32	1.91	-210.12	24.46
						150.0	-874.64	-0.28	0.32	1.91	-186.36	3.60
145	4	11.07	3940.32	1.68e-04	0.0	0.0	-1548.35	-0.80	29.15	0.09	-432.00	11.07
		-108.66	-432.00	-0.03	0.0	75.0	-1522.33	-0.80	29.15	0.09	1754.16	-48.79
						150.0	-1496.30	-0.80	29.15	0.09	3940.32	-108.66
145	5	-16.53	843.59	-1.38e-03	0.0	0.0	-768.70	-0.01	6.65	-3.10	-154.59	-16.53
		-18.72	-154.59	-6.43e-03	0.0	75.0	-748.68	-0.01	6.65	-3.10	344.50	-17.62
						150.0	-728.66	-0.01	6.65	-3.10	843.59	-18.72
145	7	30.69	3452.42	2.72e-04	0.0	0.0	-1148.07	-0.60	24.69	-0.22	-250.68	30.69
		-58.95	-250.68	-0.03	0.0	75.0	-1128.05	-0.60	24.69	-0.22	1600.87	-14.13
						150.0	-1108.03	-0.60	24.69	-0.22	3452.42	-58.95
145	11	-22.10	3294.28	-9.21e-04	0.0	0.0	-1565.74	-0.59	25.36	-0.67	-509.22	-22.10
		-111.22	-509.22	-0.03	0.0	75.0	-1539.71	-0.59	25.36	-0.67	1392.53	-66.66
						150.0	-1513.69	-0.59	25.36	-0.67	3294.28	-111.22
145	31	6647.39	-1129.07	-0.36	0.0	0.0	-155.90	62.37	-32.66	-25.61	-1129.07	-3675.88
		-3675.88	-6027.15	0.08	0.0	75.0	-135.89	62.37	-32.66	-25.61	-3578.11	1485.76
						150.0	-115.87	62.37	-32.66	-25.61	-6027.15	6647.39
145	34	3682.53	8800.80	0.36	0.0	0.0	-1556.07	-63.65	53.65	28.00	754.86	3682.53
		-6833.52	754.86	-0.10	0.0	75.0	-1536.06	-63.65	53.65	28.00	4777.83	-1575.49
						150.0	-1516.04	-63.65	53.65	28.00	8800.80	-6833.52
145	44	1418.67	-2351.11	0.13	0.0	0.0	570.95	-25.16	-82.12	-57.43	-2351.11	1418.67
		-3276.52	-1.465e+04	0.19	0.0	75.0	590.97	-25.16	-82.12	-57.43	-8499.99	-928.93
						150.0	610.99	-25.16	-82.12	-57.43	-1.465e+04	-3276.52
145	45	3090.40	1.742e+04	-0.13	0.0	0.0	-2282.93	23.88	103.10	59.82	1976.91	-1412.01
		-1412.01	1976.91	-0.21	0.0	75.0	-2262.91	23.88	103.10	59.82	9699.72	839.19
						150.0	-2242.89	23.88	103.10	59.82	1.742e+04	3090.40
145	55	3118.48	-34.96	-0.22	0.0	0.0	-1320.77	34.79	2.01	21.10	-336.61	-2620.96
		-2620.96	-336.61	7.29e-03	0.0	75.0	-1300.75	34.79	2.01	21.10	-185.78	248.76
						150.0	-1280.74	34.79	2.01	21.10	-34.96	3118.48
145	58	2627.62	2808.61	0.22	0.0	0.0	-391.21	-36.08	18.97	-18.71	-37.59	2627.62
		-3304.61	-37.59	-0.03	0.0	75.0	-371.19	-36.08	18.97	-18.71	1385.51	-338.49
						150.0	-351.17	-36.08	18.97	-18.71	2808.61	-3304.61
145	76	681.91	-1136.62	0.06	0.0	0.0	-227.43	-11.59	-30.16	-24.59	-1136.62	681.91
		-1522.10	-5649.96	0.08	0.0	75.0	-207.41	-11.59	-30.16	-24.59	-3393.29	-420.10
						150.0	-187.39	-11.59	-30.16	-24.59	-5649.96	-1522.10
145	77	1335.97	8423.61	-0.06	0.0	0.0	-1484.55	10.30	51.15	26.98	762.42	-675.25
		-675.25	762.42	-0.10	0.0	75.0	-1464.53	10.30	51.15	26.98	4593.02	330.36
						150.0	-1444.52	10.30	51.15	26.98	8423.61	1335.97
145	87	-12.66	881.34	-6.23e-04	0.0	0.0	-784.19	-0.21	6.99	-1.85	-167.32	-12.66
		-44.01	-167.32	-6.54e-03	0.0	75.0	-764.17	-0.21	6.99	-1.85	357.01	-28.33
						150.0	-744.15	-0.21	6.99	-1.85	881.34	-44.01
145	89	18.83	2620.56	4.77e-04	0.0	0.0	-1037.10	-0.60	19.01	0.07	-231.38	18.83
		-70.83	-231.38	-0.02	0.0	75.0	-1017.08	-0.60	19.01	0.07	1194.59	-26.00
						150.0	-997.06	-0.60	19.01	0.07	2620.56	-70.83
145	90	6.16	2711.63	1.30e-04	0.0	0.0	-1124.56	-0.58	20.09	0.13	-302.08	6.16
		-80.58	-302.08	-0.02	0.0	75.0	-1104.55	-0.58	20.09	0.13	1204.77	-37.21
						150.0	-1084.53	-0.58	20.09	0.13	2711.63	-80.58
145	93	-15.95	2280.93	-5.98e-04	0.0	0.0	-1136.16	-0.44	17.56	-0.38	-353.57	-15.95
		-82.30	-353.57	-0.02	0.0	75.0	-1116.14	-0.44	17.56	-0.38	963.68	-49.12
						150.0	-1096.12	-0.44	17.56	-0.38	2280.93	-82.30
145	98	-6.12	865.06	6.70e-04	0.0	0.0	-780.12	-0.53	6.89	0.62	-167.88	-6.12
		-85.02	-167.88	-6.28e-03	0.0	75.0	-760.10	-0.53	6.89	0.62	348.59	-45.57
						150.0	-740.08	-0.53	6.89	0.62	865.06	-85.02
145	99	9.62	1734.67	1.22e-03	0.0	0.0	-906.57	-0.72	12.90	1.58	-199.91	9.62
		-98.43	-199.91	-0.01	0.0	75.0	-886.55	-0.72	12.90	1.58	767.38	-44.40
						150.0	-866.54	-0.72	12.90	1.58	1734.67	-98.43
145	102	-1.74	1423.25	8.51e-04	0.0	0.0	-890.98	-0.63	10.92	1.22	-215.38	-1.74
		-96.97	-215.38	-0.01	0.0	75.0	-870.96	-0.63	10.92	1.22	603.94	-49.35
						150.0	-850.94	-0.63	10.92	1.22	1423.25	-96.97
145	105	-6.12	865.06	6.70e-04	0.0	0.0	-780.12	-0.53	6.89	0.62	-167.88	-6.12
		-85.02	-167.88	-6.28e-03	0.0	75.0	-760.10	-0.53	6.89	0.62	348.59	-45.57

145	106	3.33 -93.06	1386.83 -187.10	1.00e-03 -0.01	0.0 0.0	150.0 0.0 75.0	-740.08 -855.99 -835.97	-0.53 -0.64 -0.64	6.89 10.49 10.49	0.62 1.19 1.19	865.06 -187.10 599.86	-85.02 3.33 -44.87
146	3	1650.50 -1449.04	1975.85 -3299.28	-1.22e-04 -0.04	0.0 0.0	150.0 0.0 75.0	-815.95 -2047.04 -1987.26	-0.64 20.66 20.66	10.49 35.17 35.17	1.19 4.18 4.18	1386.83 -3299.28 -661.72	-93.06 -1449.04 100.73
146	4	1693.38 -1729.21	1672.94 -3277.25	-6.41e-04 -0.04	0.0 0.0	150.0 0.0 75.0	-1927.49 -2177.35 -2117.57	20.66 22.82 22.82	35.17 33.00 33.00	4.18 3.93 3.93	1975.85 -3277.25 -802.15	1650.50 -1729.21 -17.91
146	5	1542.44 -4817.99	108.48 -602.09	-9.86e-03 -6.09e-03	0.0 0.0	150.0 0.0 75.0	-2057.80 -1103.17 -1057.18	22.82 42.40 42.40	33.00 4.74 4.74	3.93 -12.44 -12.44	1672.94 -602.09 -246.80	1693.38 -4817.99 -1637.78
146	18	2572.51 -6230.97	1128.12 -2559.63	-0.01 -0.03	0.0 0.0	150.0 0.0 75.0	-1011.20 -2030.47 -1970.70	42.40 58.69 58.69	4.74 24.59 24.59	-12.44 -10.88 -10.88	108.48 -2559.63 -715.75	1542.44 -6230.97 -1829.23
146	20	2467.52 -8662.91	-181.52 -611.61	-0.02 -5.67e-03	0.0 0.0	150.0 0.0 75.0	-1910.92 -1258.54 -1212.56	58.69 74.20 74.20	24.59 2.87 2.87	-10.88 -22.76 -22.76	1128.12 -611.61 -396.56	2572.51 -8662.91 -3097.70
146	27	3.389e+04 -1.743e+05	4973.03 -4048.47	-0.38 0.06	0.0 0.0	150.0 0.0 75.0	-1166.58 -2427.49 -2381.51	74.20 1386.26 1386.26	2.87 -60.23 -60.23	-22.76 -36.22 -36.22	-181.52 4973.03 462.28	2467.52 -1.743e+05 -7.020e+04
146	28	2.572e+04 -1.313e+05	1.527e+04 -1.224e+04	-0.29 0.17	0.0 0.0	150.0 0.0 75.0	-2335.53 -2860.27 -2814.29	1386.26 1045.12 1045.12	-60.23 -183.23 -183.23	-36.22 -128.32 -128.32	-4048.47 1.527e+04 1515.72	3.389e+04 -1.313e+05 -5.278e+04
146	29	1.337e+05 -2.525e+04	1.314e+04 -1.740e+04	0.30 -0.19	0.0 0.0	150.0 0.0 75.0	-2768.30 455.48 501.46	1045.12 -1057.88 -1057.88	-183.23 203.52 203.52	-128.32 140.01 140.01	2.572e+04 1.337e+05 -2131.59	1.314e+04 -1.740e+04 5.420e+04
146	30	1.767e+05 -3.342e+04	4954.30 -7110.61	0.39 -0.08	0.0 0.0	150.0 0.0 75.0	547.44 22.70 68.69	-1057.88 -1399.01 -1399.01	203.52 80.52 80.52	140.01 47.91 47.91	1.314e+04 -7110.61 -1078.16	4954.30 -3.342e+04 7.163e+04
146	44	3.460e+04 -5988.19	2.606e+04 -2.094e+04	0.08 0.29	0.0 0.0	150.0 0.0 75.0	114.67 -2129.22 -2083.24	-1399.01 -270.38 -270.38	80.52 -313.21 -313.21	47.91 -243.44 -243.44	4954.30 2.606e+04 2562.67	-3.342e+04 3.460e+04 1.430e+04
146	45	6458.46 -3.221e+04	2.184e+04 -2.820e+04	-0.07 -0.32	0.0 0.0	150.0 0.0 75.0	-2037.26 -275.57 -229.59	-270.38 257.63 257.63	-313.21 333.50 333.50	-243.44 255.13 255.13	-5988.19 2.184e+04 -3178.54	6458.46 -2.820e+04 -1.288e+04
146	59	1.648e+04 -8.333e+04	1757.56 -1636.18	-0.18 0.02	0.0 0.0	150.0 0.0 75.0	-183.61 -1792.37 -1746.39	257.63 664.53 664.53	333.50 -22.67 -22.67	255.13 -13.10 -13.10	2.184e+04 1757.56 60.69	6458.46 -8.333e+04 -3.343e+04
146	60	1.255e+04 -6.262e+04	6367.62 -5321.32	-0.14 0.07	0.0 0.0	150.0 0.0 75.0	-1700.41 -1999.07 -1953.09	664.53 500.32 500.32	-22.67 -77.86 -77.86	-13.10 -53.92 -53.92	-1636.18 6367.62 523.15	1.648e+04 -6.262e+04 -2.504e+04
146	61	6.501e+04 -1.208e+04	6227.14 -8505.20	0.14 -0.09	0.0 0.0	150.0 0.0 75.0	-1907.11 -405.71 -359.73	500.32 -513.07 -513.07	-77.86 98.15 98.15	-53.92 65.61 65.61	-5321.32 -8505.20 -1139.03	1.255e+04 6.501e+04 2.646e+04
146	62	8.572e+04 -1.601e+04	2542.00 -3895.14	0.19 -0.04	0.0 0.0	150.0 0.0 75.0	-313.75 -612.42 -566.44	-513.07 -677.29 -677.29	98.15 42.96 42.96	65.61 24.78 24.78	6227.14 -3895.14 -676.57	1.208e+04 8.572e+04 3.485e+04
146	76	1.730e+04 -2769.85	1.083e+04 -8941.11	0.04 0.12	0.0 0.0	150.0 0.0 75.0	-520.46 -1644.36 -1598.38	-677.29 -133.72 -133.72	42.96 -131.74 -131.74	24.78 -102.81 -102.81	2542.00 1.083e+04 944.88	-1.601e+04 1.730e+04 7264.49
146	77	3240.11 -1.492e+04	9846.93 -1.297e+04	-0.03 -0.15	0.0 0.0	150.0 0.0 75.0	-1552.40 -760.42 -714.44	-133.72 120.96 120.96	-131.74 152.02 152.02	-102.81 114.50 114.50	-8941.11 -1.297e+04 -1560.75	-2769.85 -1.492e+04 -5837.78
146	87	1115.29 -2997.86	94.00 -600.89	-5.85e-03 -6.06e-03	0.0 0.0	150.0 0.0 75.0	-668.46 -1112.83 -1066.85	120.96 27.42 27.42	152.02 4.63 4.63	114.50 -7.39 -7.39	9846.93 -600.89 -253.45	3240.11 -2997.86 -941.28
146	89	1122.11 -915.61	1333.40 -2265.72	1.43e-04 -0.02	0.0 0.0	150.0 0.0 75.0	-1020.87 -1494.93 -1448.95	27.42 13.58 13.58	4.63 23.99 23.99	-7.39 3.14 3.14	94.00 -2265.72 -466.16	1115.29 -915.61 103.25
146	90	1150.70 -1102.39	1131.46 -2251.03	-2.35e-04 -0.02	0.0 0.0	150.0 0.0 75.0	-1402.97 -1581.80 -1535.82	13.58 15.02 15.02	23.99 22.55 22.55	3.14 2.97 2.97	1133.40 -2251.03 -559.78	1122.11 -1102.39 24.15
146	95	1732.01 -5561.14	-99.33 -607.24	-0.01 -5.77e-03	0.0 0.0	150.0 0.0 75.0	-1489.84 -1216.41 -1170.43	15.02 48.62 48.62	22.55 3.39 3.39	2.97 -14.27 -14.27	1131.46 -607.24 -353.29	1150.70 -5561.14 -1914.56
146	97	1736.78 -4103.57	768.25 -1772.62	-7.24e-03 -0.02	0.0 0.0	150.0 0.0 75.0	-1124.45 -1483.88 -1437.90	48.62 38.94 38.94	3.39 16.94 16.94	-14.27 -6.90 -6.90	-99.33 -1772.62 -502.18	1732.01 -4103.57 -1183.39
146	98	566.90 233.09	81.09 -569.34	1.97e-03 -5.73e-03	0.0 0.0	150.0 0.0 75.0	-1391.92 -1087.76 -1041.78	38.94 -2.23 -2.23	16.94 4.34 4.34	-6.90 2.69 2.69	768.25 -569.34 -244.12	1736.78 566.90 399.99
146	99	1608.02 236.50	700.79 -1401.75	4.97e-03 -0.01	0.0 0.0	150.0 0.0 75.0	-995.80 -1278.81 -1232.83	-2.23 -9.14 -9.14	4.34 14.02 14.02	2.69 7.95 7.95	81.09 -1401.75 -350.48	233.09 1608.02 922.26
146	103	527.15	85.39	-6.36e-04	0.0	150.0 0.0	-1186.85 -1096.12	-9.14 7.66	14.02 4.44	7.95 -0.67	700.79 -579.86	236.50 -621.35

		-621.35	-579.86	-5.84e-03	0.0	75.0	-1050.14	7.66	4.44	-0.67	-247.23	-47.10
						150.0	-1004.16	7.66	4.44	-0.67	85.39	527.15
146	105	566.90	81.09	1.97e-03	0.0	0.0	-1087.76	-2.23	4.34	2.69	-569.34	566.90
		233.09	-569.34	-5.73e-03	0.0	75.0	-1041.78	-2.23	4.34	2.69	-244.12	399.99
						150.0	-995.80	-2.23	4.34	2.69	81.09	233.09
146	106	1191.57	452.91	3.77e-03	0.0	0.0	-1202.39	-6.38	10.14	5.84	-1068.79	1191.57
		235.13	-1068.79	-0.01	0.0	75.0	-1156.41	-6.38	10.14	5.84	-307.94	713.35
						150.0	-1110.43	-6.38	10.14	5.84	452.91	235.13
147	4	1257.54	-23.88	-2.14e-03	0.0	0.0	-1899.59	1.39	2.75	0.89	-436.16	1049.08
		1049.08	-436.16	-0.03	0.0	75.0	-1873.57	1.39	2.75	0.89	-230.02	1153.31
						150.0	-1847.55	1.39	2.75	0.89	-23.88	1257.54
147	5	29.98	-60.38	-0.01	0.0	0.0	-915.96	-0.10	1.02	-3.50	-213.90	29.98
		14.88	-213.90	-0.01	0.0	75.0	-895.95	-0.10	1.02	-3.50	-137.14	22.43
						150.0	-875.93	-0.10	1.02	-3.50	-60.38	14.88
147	7	1022.63	27.79	-2.06e-03	0.0	0.0	-1493.24	0.25	2.95	0.81	-414.80	985.34
		985.34	-414.80	-0.03	0.0	75.0	-1473.22	0.25	2.95	0.81	-193.50	1003.99
						150.0	-1453.20	0.25	2.95	0.81	27.79	1022.63
147	18	667.28	-50.04	-0.01	0.0	0.0	-1813.46	-0.38	2.90	-3.28	-484.63	667.28
		610.41	-484.63	-0.03	0.0	75.0	-1787.44	-0.38	2.90	-3.28	-267.34	638.85
						150.0	-1761.42	-0.38	2.90	-3.28	-50.04	610.41
147	19	-65.21	-60.08	-0.02	0.0	0.0	-1003.01	-1.76	1.75	-6.38	-322.64	-65.21
		-329.92	-322.64	-0.02	0.0	75.0	-983.00	-1.76	1.75	-6.38	-191.36	-197.56
						150.0	-962.98	-1.76	1.75	-6.38	-60.08	-329.92
147	27	-5002.19	533.83	-0.40	0.0	0.0	-3360.45	-71.21	8.30	-8.63	261.74	-5002.19
		-1.563e+04	261.74	0.02	0.0	75.0	-3340.43	-71.21	8.30	-8.63	397.78	-1.032e+04
						150.0	-3320.41	-71.21	8.30	-8.63	533.83	-1.563e+04
147	30	1.716e+04	-447.60	0.41	0.0	0.0	1510.74	76.45	-7.67	12.00	-447.60	5743.83
		5743.83	-624.79	-0.03	0.0	75.0	1530.76	76.45	-7.67	12.00	-536.19	1.145e+04
						150.0	1550.77	76.45	-7.67	12.00	-624.79	1.716e+04
147	44	3916.38	1801.37	0.08	0.0	0.0	-461.55	16.83	-11.64	-72.93	1801.37	1399.95
		1399.95	-1281.90	0.10	0.0	75.0	-441.53	16.83	-11.64	-72.93	259.73	2658.17
						150.0	-421.51	16.83	-11.64	-72.93	-1281.90	3916.38
147	45	-658.31	1190.95	-0.07	0.0	0.0	-1388.16	-11.59	12.27	76.30	-1987.23	-658.31
		-2388.48	-1987.23	-0.11	0.0	75.0	-1368.15	-11.59	12.27	76.30	-398.14	-1523.40
						150.0	-1348.13	-11.59	12.27	76.30	1190.95	-2388.48
147	59	-2217.55	249.14	-0.19	0.0	0.0	-2097.88	-32.96	4.09	-2.73	68.40	-2217.55
		-7132.79	68.40	5.90e-03	0.0	75.0	-2077.86	-32.96	4.09	-2.73	158.77	-4675.17
						150.0	-2057.85	-32.96	4.09	-2.73	249.14	-7132.79
147	62	8660.69	-254.26	0.20	0.0	0.0	248.17	38.20	-3.46	6.10	-254.26	2959.19
		2959.19	-340.10	-0.02	0.0	75.0	268.19	38.20	-3.46	6.10	-297.18	5809.94
						150.0	288.21	38.20	-3.46	6.10	-340.10	8660.69
147	76	2281.61	773.64	0.04	0.0	0.0	-701.37	9.46	-5.15	-30.71	773.64	866.82
		866.82	-679.51	0.04	0.0	75.0	-681.35	9.46	-5.15	-30.71	47.07	1574.21
						150.0	-661.34	9.46	-5.15	-30.71	-679.51	2281.61
147	77	-125.18	588.55	-0.03	0.0	0.0	-1148.34	-4.22	5.79	34.08	-959.51	-125.18
		-753.71	-959.51	-0.05	0.0	75.0	-1128.32	-4.22	5.79	34.08	-185.48	-439.44
						150.0	-1108.30	-4.22	5.79	34.08	588.55	-753.71
147	87	217.60	-62.82	-6.08e-03	0.0	0.0	-896.45	0.89	0.66	-2.06	-161.50	84.56
		84.56	-161.50	-9.82e-03	0.0	75.0	-876.43	0.89	0.66	-2.06	-112.16	151.08
						150.0	-856.42	0.89	0.66	-2.06	-62.82	217.60
147	89	889.43	-4.04	-1.18e-03	0.0	0.0	-1281.30	1.12	1.94	0.82	-295.43	721.46
		721.46	-295.43	-0.02	0.0	75.0	-1261.28	1.12	1.94	0.82	-149.73	805.45
						150.0	-1241.27	1.12	1.94	0.82	-4.04	889.43
147	90	893.13	-22.81	-1.38e-03	0.0	0.0	-1358.31	1.16	1.82	0.70	-296.49	718.70
		718.70	-296.49	-0.02	0.0	75.0	-1338.29	1.16	1.82	0.70	-159.65	805.91
						150.0	-1318.27	1.16	1.82	0.70	-22.81	893.13
147	94	21.10	-62.62	-0.01	0.0	0.0	-954.49	-0.22	1.14	-3.97	-233.99	21.10
		-12.27	-233.99	-0.01	0.0	75.0	-934.47	-0.22	1.14	-3.97	-148.31	4.42
						150.0	-914.45	-0.22	1.14	-3.97	-62.62	-12.27
147	97	464.16	-40.25	-7.56e-03	0.0	0.0	-1300.89	-0.02	1.92	-2.08	-328.81	464.16
		461.71	-328.81	-0.02	0.0	75.0	-1280.87	-0.02	1.92	-2.08	-184.53	462.94
						150.0	-1260.85	-0.02	1.92	-2.08	-40.25	461.71
147	98	562.40	-52.75	2.09e-03	0.0	0.0	-809.40	2.55	-0.07	0.82	-52.75	179.75
		179.75	-63.11	-3.11e-03	0.0	75.0	-789.38	2.55	-0.07	0.82	-57.93	371.07
						150.0	-769.37	2.55	-0.07	0.82	-63.11	562.40
147	99	898.31	-33.72	5.19e-03	0.0	0.0	-1001.82	2.67	0.57	2.26	-119.72	498.20
		498.20	-119.72	-8.37e-03	0.0	75.0	-981.81	2.67	0.57	2.26	-76.72	698.26
						150.0	-961.79	2.67	0.57	2.26	-33.72	898.31
147	103	447.46	-63.01	-8.52e-04	0.0	0.0	-838.42	2.00	0.17	-0.14	-89.00	148.02
		148.02	-89.00	-5.35e-03	0.0	75.0	-818.40	2.00	0.17	-0.14	-76.01	297.74
						150.0	-798.38	2.00	0.17	-0.14	-63.01	447.46
147	104	649.01	-45.38	1.23e-03	0.0	0.0	-953.87	2.07	0.56	0.73	-129.18	339.09
		339.09	-129.18	-8.50e-03	0.0	75.0	-933.85	2.07	0.56	0.73	-87.28	494.05
						150.0	-913.84	2.07	0.56	0.73	-45.38	649.01
147	105	562.40	-52.75	2.09e-03	0.0	0.0	-809.40	2.55	-0.07	0.82	-52.75	179.75
		179.75	-63.11	-3.11e-03	0.0	75.0	-789.38	2.55	-0.07	0.82	-57.93	371.07
						150.0	-769.37	2.55	-0.07	0.82	-63.11	562.40

147	106	763.95	-45.48	3.95e-03	0.0	0.0	-924.85	2.62	0.32	1.69	-92.93	370.82
		370.82	-92.93	-6.27e-03	0.0	75.0	-904.84	2.62	0.32	1.69	-69.20	567.38
						150.0	-884.82	2.62	0.32	1.69	-45.48	763.95
148	4	1.058e+04	2625.31	4.26e-03	0.0	0.0	-2033.55	59.24	6.35	5.64	1672.72	1693.34
		1693.34	1672.72	-0.03	0.0	75.0	-1973.77	59.24	6.35	5.64	2149.02	6136.20
						150.0	-1914.00	59.24	6.35	5.64	2625.31	1.058e+04
148	5	6618.58	109.20	-7.36e-03	0.0	0.0	-992.55	33.85	-1.79	-12.53	109.20	1541.64
		1541.64	-159.35	-6.38e-03	0.0	75.0	-946.57	33.85	-1.79	-12.53	-25.08	4080.11
						150.0	-900.59	33.85	-1.79	-12.53	-159.35	6618.58
148	7	9118.02	3824.81	3.40e-03	0.0	0.0	-1565.70	50.44	12.38	3.93	1967.39	1552.61
		1552.61	1967.39	-0.03	0.0	75.0	-1519.72	50.44	12.38	3.93	2896.10	5335.32
						150.0	-1473.74	50.44	12.38	3.93	3824.81	9118.02
148	9	8419.20	-488.35	-7.00e-03	0.0	0.0	-1590.71	44.63	-12.31	-10.42	-488.35	1725.23
		1725.23	-2334.93	-0.01	0.0	75.0	-1530.94	44.63	-12.31	-10.42	-1411.64	5072.22
						150.0	-1471.16	44.63	-12.31	-10.42	-2334.93	8419.20
148	18	1.248e+04	1479.00	-6.13e-03	0.0	0.0	-1886.67	66.07	2.33	-10.02	1128.76	2571.63
		2571.63	1128.76	-0.02	0.0	75.0	-1826.90	66.07	2.33	-10.02	1303.88	7527.22
						150.0	-1767.12	66.07	2.33	-10.02	1479.00	1.248e+04
148	27	1.243e+05	-4045.65	-0.36	0.0	0.0	-2316.81	602.86	-60.17	168.19	-4045.65	3.389e+04
		3.389e+04	-1.309e+04	0.03	0.0	75.0	-2270.83	602.86	-60.17	168.19	-8568.11	7.909e+04
						150.0	-2224.85	602.86	-60.17	168.19	-1.309e+04	1.243e+05
148	28	9.497e+04	-1.223e+04	-0.27	0.0	0.0	-2749.56	461.76	-161.84	74.68	-1.223e+04	2.572e+04
		2.572e+04	-3.648e+04	0.11	0.0	75.0	-2703.57	461.76	-161.84	74.68	-2.435e+04	6.034e+04
						150.0	-2657.59	461.76	-161.84	74.68	-3.648e+04	9.497e+04
148	29	-2.525e+04	3.747e+04	0.28	0.0	0.0	566.00	-421.14	162.44	-60.78	1.313e+04	-2.525e+04
		-8.841e+04	1.313e+04	-0.13	0.0	75.0	611.98	-421.14	162.44	-60.78	2.530e+04	-5.683e+04
						150.0	657.96	-421.14	162.44	-60.78	3.747e+04	-8.841e+04
148	30	-3.342e+04	1.409e+04	0.37	0.0	0.0	133.25	-562.24	60.76	-154.29	4950.77	-3.342e+04
		-1.177e+05	4950.77	-0.05	0.0	75.0	179.24	-562.24	60.76	-154.29	9517.98	-7.558e+04
						150.0	225.22	-562.24	60.76	-154.29	1.409e+04	-1.177e+05
148	44	-5988.51	-2.092e+04	0.07	0.0	0.0	-2018.54	-89.60	-271.85	-243.07	-2.092e+04	-5988.51
		-1.941e+04	-6.165e+04	0.19	0.0	75.0	-1972.56	-89.60	-271.85	-243.07	-4.129e+04	-1.270e+04
						150.0	-1926.58	-89.60	-271.85	-243.07	-6.165e+04	-1.941e+04
148	45	2.597e+04	6.265e+04	-0.06	0.0	0.0	-165.02	130.22	272.45	256.96	2.183e+04	6459.33
		6459.33	2.183e+04	-0.21	0.0	75.0	-119.04	130.22	272.45	256.96	4.224e+04	1.622e+04
						150.0	-73.06	130.22	272.45	256.96	6.265e+04	2.597e+04
148	59	6.167e+04	-1635.04	-0.17	0.0	0.0	-1681.72	301.31	-27.97	81.00	-1635.04	1.648e+04
		1.648e+04	-5841.31	0.01	0.0	75.0	-1635.74	301.31	-27.97	81.00	-3738.17	3.907e+04
						150.0	-1589.76	301.31	-27.97	81.00	-5841.31	6.167e+04
148	60	4.755e+04	-5317.88	-0.13	0.0	0.0	-1888.41	233.37	-73.36	39.11	-5317.88	1.255e+04
		1.255e+04	-1.631e+04	0.04	0.0	75.0	-1842.43	233.37	-73.36	39.11	-1.081e+04	3.005e+04
						150.0	-1796.45	233.37	-73.36	39.11	-1.631e+04	4.755e+04
148	61	-1.208e+04	1.730e+04	0.14	0.0	0.0	-295.15	-192.75	73.96	-25.21	6223.00	-1.208e+04
		-4.098e+04	6223.00	-0.06	0.0	75.0	-249.17	-192.75	73.96	-25.21	1.176e+04	-2.653e+04
						150.0	-203.18	-192.75	73.96	-25.21	1.730e+04	-4.098e+04
148	62	-1.601e+04	6835.92	0.18	0.0	0.0	-501.84	-260.70	28.56	-67.10	2540.17	-1.601e+04
		-5.510e+04	2540.17	-0.03	0.0	75.0	-455.85	-260.70	28.56	-67.10	4688.04	-3.556e+04
						150.0	-409.87	-260.70	28.56	-67.10	6835.92	-5.510e+04
148	76	-2769.84	-8935.11	0.04	0.0	0.0	-1533.72	-32.72	-118.82	-102.79	-8935.11	-2769.84
		-7668.30	-2.673e+04	0.08	0.0	75.0	-1487.74	-32.72	-118.82	-102.79	-1.783e+04	-5219.07
						150.0	-1441.75	-32.72	-118.82	-102.79	-2.673e+04	-7668.30
148	77	1.423e+04	2.772e+04	-0.03	0.0	0.0	-649.84	73.33	119.42	116.69	9840.23	3240.65
		3240.65	9840.23	-0.10	0.0	75.0	-603.86	73.33	119.42	116.69	1.878e+04	8736.04
						150.0	-557.88	73.33	119.42	116.69	2.772e+04	1.423e+04
148	87	5435.27	94.42	-3.69e-03	0.0	0.0	-1002.22	28.80	-2.30	-7.06	94.42	1114.79
		1114.79	-250.59	-6.48e-03	0.0	75.0	-956.24	28.80	-2.30	-7.06	-78.09	3275.03
						150.0	-910.25	28.80	-2.30	-7.06	-250.59	5435.27
148	89	7101.56	2405.51	3.49e-03	0.0	0.0	-1384.32	39.86	7.15	3.91	1333.21	1122.11
		1122.11	1333.21	-0.02	0.0	75.0	-1338.33	39.86	7.15	3.91	1869.36	4111.83
						150.0	-1292.35	39.86	7.15	3.91	2405.51	7101.56
148	90	7327.95	1754.79	3.16e-03	0.0	0.0	-1471.19	41.18	4.16	4.18	1131.29	1150.69
		1150.69	1131.29	-0.02	0.0	75.0	-1425.21	41.18	4.16	4.18	1443.04	4239.32
						150.0	-1379.23	41.18	4.16	4.18	1754.79	7327.95
148	91	5888.04	-309.43	-4.34e-03	0.0	0.0	-1175.96	31.44	-8.28	-6.53	-309.43	1171.95
		1171.95	-1552.04	-8.05e-03	0.0	75.0	-1129.98	31.44	-8.28	-6.53	-930.73	3529.99
						150.0	-1084.00	31.44	-8.28	-6.53	-1552.04	5888.04
148	97	8597.12	990.58	-3.82e-03	0.0	0.0	-1373.27	45.74	1.48	-6.26	768.65	1736.21
		1736.21	768.65	-0.02	0.0	75.0	-1327.29	45.74	1.48	-6.26	879.62	5166.67
						150.0	-1281.31	45.74	1.48	-6.26	990.58	8597.12
148	98	2781.68	80.93	3.31e-03	0.0	0.0	-977.15	16.99	-2.54	3.66	80.93	233.21
		233.21	-299.53	-6.21e-03	0.0	75.0	-931.17	16.99	-2.54	3.66	-109.30	1507.44
						150.0	-885.19	16.99	-2.54	3.66	-299.53	2781.68
148	99	3614.82	1028.53	6.90e-03	0.0	0.0	-1168.20	22.52	2.19	9.14	700.32	236.87
		236.87	700.32	-0.01	0.0	75.0	-1122.22	22.52	2.19	9.14	864.42	1925.85
						150.0	-1076.24	22.52	2.19	9.14	1028.53	3614.82
148	100	2872.23	0.16	3.18e-03	0.0	0.0	-1011.90	17.52	-3.73	3.76	0.16	244.64
		244.64	-559.82	-6.53e-03	0.0	75.0	-965.92	17.52	-3.73	3.76	-279.83	1558.44

						150.0	-919.94	17.52	-3.73	3.76	-559.82	2872.23
148	104	4166.09	513.62	3.13e-03	0.0	0.0	-1100.14	24.25	0.38	3.37	457.06	529.27
		529.27	457.06	-0.01	0.0	75.0	-1054.15	24.25	0.38	3.37	485.34	2347.68
						150.0	-1008.17	24.25	0.38	3.37	513.62	4166.09
148	105	2781.68	80.93	3.31e-03	0.0	0.0	-977.15	16.99	-2.54	3.66	80.93	233.21
		233.21	-299.53	-6.21e-03	0.0	75.0	-931.17	16.99	-2.54	3.66	-109.30	1507.44
						150.0	-885.19	16.99	-2.54	3.66	-299.53	2781.68
148	106	3281.56	497.30	5.47e-03	0.0	0.0	-1091.78	20.31	0.30	6.95	452.56	235.41
		235.41	452.56	-0.01	0.0	75.0	-1045.80	20.31	0.30	6.95	474.93	1758.49
						150.0	-999.82	20.31	0.30	6.95	497.30	3281.56
149	3	1252.57	160.00	5.29e-03	0.0	0.0	-1707.79	-34.43	1.04	0.37	4.52	1252.57
		-3911.28	4.52	-0.03	0.0	75.0	-1681.77	-34.43	1.04	0.37	82.26	-1329.36
						150.0	-1655.75	-34.43	1.04	0.37	160.00	-3911.28
149	4	1258.10	105.15	4.90e-03	0.0	0.0	-1823.30	-34.25	0.86	0.50	-23.66	1258.10
		-3879.29	-23.66	-0.03	0.0	75.0	-1797.28	-34.25	0.86	0.50	40.74	-1310.59
						150.0	-1771.25	-34.25	0.86	0.50	105.15	-3879.29
149	5	1320.63	37.37	-7.35e-03	0.0	0.0	-857.28	8.71	0.66	-2.96	-61.09	14.10
		14.10	-61.09	-0.02	0.0	75.0	-837.26	8.71	0.66	-2.96	-11.86	667.37
						150.0	-817.24	8.71	0.66	-2.96	37.37	1320.63
149	9	616.06	-120.19	-7.02e-03	0.0	0.0	-1361.54	2.41	0.14	-2.42	-140.92	254.66
		254.66	-140.92	-0.02	0.0	75.0	-1335.51	2.41	0.14	-2.42	-130.56	435.36
						150.0	-1309.49	2.41	0.14	-2.42	-120.19	616.06
149	20	3434.19	92.49	-0.01	0.0	0.0	-1059.84	25.07	1.21	-5.33	-89.57	-325.90
		-325.90	-89.57	-0.02	0.0	75.0	-1039.82	25.07	1.21	-5.33	1.46	1554.14
						150.0	-1019.80	25.07	1.21	-5.33	92.49	3434.19
149	21	374.85	266.68	-6.99e-03	0.0	0.0	-1348.42	-0.65	1.77	-3.32	0.97	374.85
		277.85	0.97	-0.03	0.0	75.0	-1328.40	-0.65	1.77	-3.32	133.83	326.35
						150.0	-1308.38	-0.65	1.77	-3.32	266.68	277.85
149	27	8.982e+04	534.38	-0.35	0.0	0.0	-3301.64	702.76	-6.55	41.95	534.38	-1.563e+04
		-1.563e+04	-587.59	0.02	0.0	75.0	-3281.63	702.76	-6.55	41.95	-26.61	3.710e+04
						150.0	-3261.61	702.76	-6.55	41.95	-587.59	8.982e+04
149	30	1.716e+04	392.28	0.36	0.0	0.0	1569.31	-750.20	5.85	-39.13	-624.64	1.716e+04
		-9.541e+04	-624.64	-0.04	0.0	75.0	1589.32	-750.20	5.85	-39.13	-116.18	-3.912e+04
						150.0	1609.34	-750.20	5.85	-39.13	392.28	-9.541e+04
149	51	5.136e+04	1557.11	-0.20	0.0	0.0	-2287.46	401.09	-15.67	27.27	1557.11	-8816.99
		-8816.99	-1085.06	-0.06	0.0	75.0	-2267.44	401.09	-15.67	27.27	236.02	2.127e+04
						150.0	-2247.42	401.09	-15.67	27.27	-1085.06	5.136e+04
149	54	1.035e+04	889.74	0.22	0.0	0.0	555.12	-448.53	14.97	-24.46	-1647.37	1.035e+04
		-5.695e+04	-1647.37	0.04	0.0	75.0	575.14	-448.53	14.97	-24.46	-378.81	-2.330e+04
						150.0	595.16	-448.53	14.97	-24.46	889.74	-5.695e+04
149	59	4.181e+04	249.72	-0.17	0.0	0.0	-2039.14	326.14	-3.43	20.21	249.72	-7133.87
		-7133.87	-331.32	5.01e-03	0.0	75.0	-2019.12	326.14	-3.43	20.21	-40.80	1.734e+04
						150.0	-1999.10	326.14	-3.43	20.21	-331.32	4.181e+04
149	62	8662.95	136.00	0.18	0.0	0.0	306.80	-373.58	2.73	-17.39	-339.98	8662.95
		-4.740e+04	-339.98	-0.02	0.0	75.0	326.82	-373.58	2.73	-17.39	-101.99	-1.937e+04
						150.0	346.83	-373.58	2.73	-17.39	136.00	-4.740e+04
149	83	2.327e+04	773.25	-0.10	0.0	0.0	-1550.31	180.71	-8.12	13.11	773.25	-3847.64
		-3847.64	-581.09	-0.03	0.0	75.0	-1530.29	180.71	-8.12	13.11	96.08	9710.14
						150.0	-1510.27	180.71	-8.12	13.11	-581.09	2.327e+04
149	86	5376.72	385.78	0.11	0.0	0.0	-182.03	-228.15	7.42	-10.30	-863.51	5376.72
		-2.885e+04	-863.51	0.01	0.0	75.0	-162.01	-228.15	7.42	-10.30	-238.87	-1.174e+04
						150.0	-141.99	-228.15	7.42	-10.30	385.78	-2.885e+04
149	87	217.20	-21.79	-3.73e-03	0.0	0.0	-837.77	-0.24	0.28	-1.70	-63.24	217.20
		180.70	-63.24	-0.01	0.0	75.0	-817.75	-0.24	0.28	-1.70	-42.51	198.95
						150.0	-797.73	-0.24	0.28	-1.70	-21.79	180.70
149	89	889.86	91.88	3.86e-03	0.0	0.0	-1222.61	-24.56	0.64	0.34	-3.85	889.86
		-2794.87	-3.85	-0.02	0.0	75.0	-1202.60	-24.56	0.64	0.34	44.01	-952.51
						150.0	-1182.58	-24.56	0.64	0.34	91.88	-2794.87
149	90	893.55	55.31	3.60e-03	0.0	0.0	-1299.62	-24.45	0.52	0.43	-22.64	893.55
		-2773.54	-22.64	-0.02	0.0	75.0	-1279.60	-24.45	0.52	0.43	16.34	-940.00
						150.0	-1259.58	-24.45	0.52	0.43	55.31	-2773.54
149	91	224.58	-94.92	-4.37e-03	0.0	0.0	-991.78	-8.19e-03	0.04	-1.52	-100.81	224.58
		223.35	-100.81	-0.01	0.0	75.0	-971.76	-8.19e-03	0.04	-1.52	-97.86	223.97
						150.0	-951.74	-8.19e-03	0.04	-1.52	-94.92	223.35
149	95	1589.74	14.96	-8.66e-03	0.0	0.0	-972.80	10.66	0.65	-3.27	-82.22	-9.47
		-9.47	-82.22	-0.02	0.0	75.0	-952.79	10.66	0.65	-3.27	-33.63	790.14
						150.0	-932.77	10.66	0.65	-3.27	14.96	1589.74
149	96	457.70	131.09	-3.49e-03	0.0	0.0	-1165.19	-6.48	1.02	-1.93	-21.86	457.70
		-514.49	-21.86	-0.02	0.0	75.0	-1145.18	-6.48	1.02	-1.93	54.61	-28.39
						150.0	-1125.16	-6.48	1.02	-1.93	131.09	-514.49
149	98	562.74	-62.95	3.44e-03	0.0	0.0	-750.71	-16.42	-0.46	0.80	-62.95	562.74
		-1900.87	-131.76	-5.56e-03	0.0	75.0	-730.70	-16.42	-0.46	0.80	-97.35	-669.06
						150.0	-710.68	-16.42	-0.46	0.80	-131.76	-1900.87
149	99	899.07	-33.25	7.02e-03	0.0	0.0	-943.14	-28.58	-0.28	1.81	-33.25	899.07
		-3388.65	-74.93	-0.01	0.0	75.0	-923.12	-28.58	-0.28	1.81	-54.09	-1244.79
						150.0	-903.10	-28.58	-0.28	1.81	-74.93	-3388.65
149	100	564.22	-70.46	3.33e-03	0.0	0.0	-781.52	-16.38	-0.51	0.83	-70.46	564.22

		-1892.34	-146.38	-5.75e-03	0.0	75.0	-761.50	-16.38	-0.51	0.83	-108.42	-664.06
						150.0	-741.48	-16.38	-0.51	0.83	-146.38	-1892.34
149	105	562.74	-62.95	3.44e-03	0.0	0.0	-750.71	-16.42	-0.46	0.80	-62.95	562.74
		-1900.87	-131.76	-5.56e-03	0.0	75.0	-730.70	-16.42	-0.46	0.80	-97.35	-669.06
						150.0	-710.68	-16.42	-0.46	0.80	-131.76	-1900.87
149	106	764.54	-45.13	5.59e-03	0.0	0.0	-866.17	-23.72	-0.35	1.41	-45.13	764.54
		-2793.54	-97.66	-8.35e-03	0.0	75.0	-846.15	-23.72	-0.35	1.41	-71.39	-1014.50
						150.0	-826.13	-23.72	-0.35	1.41	-97.66	-2793.54
158	5	1806.29	2775.98	-6.49e-03	0.0	0.0	-388.07	20.88	36.60	-4.53	-2225.90	-1047.84
		-1047.84	-2225.90	-0.03	0.0	68.3	-346.18	20.88	36.60	-4.53	275.04	379.23
						136.7	-304.28	20.88	36.60	-4.53	2775.98	1806.29
158	9	2242.90	6306.00	-5.60e-03	0.0	0.0	-709.90	19.36	81.42	1.37	-4821.15	-402.84
		-402.84	-4821.15	-0.06	0.0	68.3	-655.44	19.36	81.42	1.37	742.42	920.03
						136.7	-600.98	19.36	81.42	1.37	6306.00	2242.90
158	11	1204.87	6353.26	-3.99e-03	0.0	0.0	-761.24	18.45	78.82	6.51	-4419.23	-1316.83
		-1316.83	-4419.23	-0.07	0.0	68.3	-706.78	18.45	78.82	6.51	967.01	-55.98
						136.7	-652.31	18.45	78.82	6.51	6353.26	1204.87
158	20	3331.23	4089.74	-0.01	0.0	0.0	-488.89	35.32	53.46	-11.11	-3216.57	-1495.76
		-1495.76	-3216.57	-0.04	0.0	68.3	-446.99	35.32	53.46	-11.11	436.58	917.73
						136.7	-405.10	35.32	53.46	-11.11	4089.74	3331.23
158	21	2037.49	2872.66	-0.01	0.0	0.0	-444.68	34.80	34.87	-7.58	-1893.47	-2718.44
		-2718.44	-1893.47	-0.03	0.0	68.3	-402.79	34.80	34.87	-7.58	489.59	-340.48
						136.7	-360.89	34.80	34.87	-7.58	2872.66	2037.49
158	27	6.811e+04	288.51	-0.31	0.0	0.0	-886.50	809.12	-13.56	200.26	288.51	-4.295e+04
		-4.295e+04	-1558.08	0.02	0.0	68.3	-844.61	809.12	-13.56	200.26	-634.78	1.258e+04
						136.7	-802.72	809.12	-13.56	200.26	-1558.08	6.811e+04
158	30	4.261e+04	7154.68	0.32	0.0	0.0	82.32	-812.64	84.62	-181.50	-4403.38	4.261e+04
		-6.894e+04	-4403.38	-0.07	0.0	68.3	124.22	-812.64	84.62	-181.50	1375.65	-1.317e+04
						136.7	166.11	-812.64	84.62	-181.50	7154.68	-6.894e+04
158	45	1.278e+04	2.141e+04	-0.06	0.0	0.0	-532.68	154.48	272.58	279.77	-1.592e+04	-8418.28
		-8418.28	-1.592e+04	-0.23	0.0	68.3	-490.79	154.48	272.58	279.77	2744.47	2178.78
						136.7	-448.89	154.48	272.58	279.77	2.141e+04	1.278e+04
158	59	3.259e+04	737.83	-0.15	0.0	0.0	-635.87	389.22	12.51	97.46	-979.51	-2.087e+04
		-2.087e+04	-979.51	-7.98e-03	0.0	68.3	-593.98	389.22	12.51	97.46	-120.84	5863.04
						136.7	-552.08	389.22	12.51	97.46	737.83	3.259e+04
158	62	2.052e+04	4858.77	0.15	0.0	0.0	-168.31	-392.74	58.55	-78.70	-3135.37	2.052e+04
		-3.342e+04	-3135.37	-0.05	0.0	68.3	-126.42	-392.74	58.55	-78.70	861.70	-6450.39
						136.7	-84.52	-392.74	58.55	-78.70	4858.77	-3.342e+04
158	77	5937.32	1.105e+04	-0.03	0.0	0.0	-465.07	73.41	140.17	128.80	-8150.70	-4135.70
		-4135.70	-8150.70	-0.12	0.0	68.3	-423.18	73.41	140.17	128.80	1447.39	900.81
						136.7	-381.28	73.41	140.17	128.80	1.105e+04	5937.32
158	85	7369.66	1.060e+04	-0.03	0.0	0.0	-477.00	89.31	136.78	114.18	-8178.46	-4831.14
		-4831.14	-8178.46	-0.11	0.0	68.3	-435.10	89.31	136.78	114.18	1212.46	1269.26
						136.7	-393.21	89.31	136.78	114.18	1.060e+04	7369.66
158	87	1151.87	2834.21	-3.77e-03	0.0	0.0	-392.69	13.32	37.14	-0.28	-2241.76	-668.88
		-668.88	-2241.76	-0.03	0.0	68.3	-350.80	13.32	37.14	-0.28	296.23	241.49
						136.7	-308.90	13.32	37.14	-0.28	2834.21	1151.87
158	91	1492.82	4520.01	-3.59e-03	0.0	0.0	-520.09	12.81	58.46	1.86	-3470.00	-257.29
		-257.29	-3470.00	-0.04	0.0	68.3	-478.19	12.81	58.46	1.86	525.00	617.76
						136.7	-436.30	12.81	58.46	1.86	4520.01	1492.82
158	93	800.80	4551.52	-2.52e-03	0.0	0.0	-554.31	12.20	56.73	5.29	-3202.05	-866.62
		-866.62	-3202.05	-0.05	0.0	68.3	-512.42	12.20	56.73	5.29	674.73	-32.91
						136.7	-470.52	12.20	56.73	5.29	4551.52	800.80
158	95	2168.50	3710.06	-7.19e-03	0.0	0.0	-459.90	22.95	48.38	-4.67	-2902.21	-967.50
		-967.50	-2902.21	-0.04	0.0	68.3	-418.01	22.95	48.38	-4.67	403.92	600.50
						136.7	-376.11	22.95	48.38	-4.67	3710.06	2168.50
158	96	1306.00	2898.67	-6.21e-03	0.0	0.0	-430.43	22.60	35.99	-2.31	-2020.14	-1782.62
		-1782.62	-2020.14	-0.03	0.0	68.3	-388.54	22.60	35.99	-2.31	439.26	-238.31
						136.7	-346.64	22.60	35.99	-2.31	2898.67	1306.00
158	98	87.74	2784.80	1.49e-03	0.0	0.0	-387.42	-1.50	36.27	7.91	-2172.27	87.74
		-117.36	-2172.27	-0.03	0.0	68.3	-345.53	-1.50	36.27	7.91	306.26	-14.81
						136.7	-303.63	-1.50	36.27	7.91	2784.80	-117.36
158	99	-347.50	2807.30	2.25e-03	0.0	0.0	-411.87	-1.93	35.04	10.36	-1980.88	-347.50
		-611.66	-1980.88	-0.03	0.0	68.3	-369.98	-1.93	35.04	10.36	413.21	-479.58
						136.7	-328.08	-1.93	35.04	10.36	2807.30	-611.66
158	100	170.05	3121.95	1.53e-03	0.0	0.0	-412.90	-1.60	40.54	8.34	-2417.92	170.05
		-49.17	-2417.92	-0.03	0.0	68.3	-371.01	-1.60	40.54	8.34	352.02	60.44
						136.7	-329.11	-1.60	40.54	8.34	3121.95	-49.17
158	102	-91.09	3135.46	1.99e-03	0.0	0.0	-427.57	-1.86	39.79	9.81	-2303.08	-91.09
		-345.75	-2303.08	-0.03	0.0	68.3	-385.68	-1.86	39.79	9.81	416.19	-218.42
						136.7	-343.78	-1.86	39.79	9.81	3135.46	-345.75
158	103	305.72	2801.27	-2.64e-04	0.0	0.0	-389.18	3.44	36.56	5.18	-2195.43	-164.47
		-164.47	-2195.43	-0.03	0.0	68.3	-347.29	3.44	36.56	5.18	302.92	70.62
						136.7	-305.39	3.44	36.56	5.18	2801.27	305.72
158	105	87.74	2784.80	1.49e-03	0.0	0.0	-387.42	-1.50	36.27	7.91	-2172.27	87.74
		-117.36	-2172.27	-0.03	0.0	68.3	-345.53	-1.50	36.27	7.91	306.26	-14.81
						136.7	-303.63	-1.50	36.27	7.91	2784.80	-117.36

158	106	-173.40 -413.94	2798.30 -2057.44	1.95e-03 -0.03	0.0 0.0	0.0 68.3	-402.09 -360.20	-1.76 -1.76	35.53 35.53	9.38 9.38	-2057.44 370.43	-173.40 -293.67
						136.7	-318.30	-1.76	35.53	9.38	2798.30	-413.94
159	3	1.015e+04 247.87	1.110e+04 3842.29	-1.84e-03 -0.03	0.0 0.0	0.0 68.3	-458.98 -404.52	72.48 72.48	53.14 53.14	-36.84 -36.84	3842.29 7473.47	247.87 5200.35
						136.7	-350.06	72.48	53.14	-36.84	1.110e+04	1.015e+04
159	5	6934.77 1805.63	8937.98 2774.47	-3.12e-03 -0.01	0.0 0.0	0.0 68.3	-285.63 -243.74	37.53 37.53	45.10 45.10	-37.37 -37.37	2774.47 5856.23	1805.63 4370.20
						136.7	-201.84	37.53	45.10	-37.37	8937.98	6934.77
159	9	1.399e+04 2242.27	2.062e+04 6302.66	-1.45e-03 -0.03	0.0 0.0	0.0 68.3	-576.73 -522.27	85.93 85.93	104.75 104.75	-51.57 -51.57	6302.66 1.346e+04	2242.27 8113.97
						136.7	-467.80	85.93	104.75	-51.57	2.062e+04	1.399e+04
159	11	1.482e+04 1204.21	1.993e+04 6349.60	-1.18e-03 -0.04	0.0 0.0	0.0 68.3	-628.07 -573.61	99.65 99.65	99.34 99.34	-49.10 -49.10	6349.60 1.314e+04	1204.21 8013.87
						136.7	-519.14	99.65	99.34	-49.10	1.993e+04	1.482e+04
159	27	7.580e+04 6.811e+04	-1551.66 -1556.84	-0.23 9.16e-03	0.0 0.0	0.0 68.3	-783.89 -742.00	11.90 11.90	0.16 0.16	-29.44 -29.44	-1556.84 -1554.25	6.811e+04 7.196e+04
						136.7	-700.10	11.90	0.16	-29.44	-1551.66	7.580e+04
159	30	-6.432e+04 -6.894e+04	1.879e+04 7150.04	0.24 -0.04	0.0 0.0	0.0 68.3	184.59 226.48	78.14 78.14	85.07 85.07	14.88 14.88	7150.04 1.297e+04	-6.894e+04 -6.663e+04
						136.7	268.38	78.14	85.07	14.88	1.879e+04	-6.432e+04
159	44	-7820.85 -1.360e+04	-1.580e+04 -3.772e+04	0.05 0.11	0.0 0.0	0.0 68.3	-169.12 -127.23	24.10 24.10	-160.89 -160.89	-183.64 -183.64	-1.580e+04 -2.676e+04	-1.360e+04 -1.071e+04
						136.7	-85.33	24.10	-160.89	-183.64	-3.772e+04	-7820.85
159	45	1.930e+04 1.278e+04	5.496e+04 2.139e+04	-0.04 -0.14	0.0 0.0	0.0 68.3	-430.18 -388.29	65.93 65.93	246.13 246.13	169.08 169.08	2.139e+04 3.818e+04	1.278e+04 1.604e+04
						136.7	-346.39	65.93	246.13	169.08	5.496e+04	1.930e+04
159	59	3.951e+04 3.259e+04	3833.79 737.51	-0.11 -4.27e-03	0.0 0.0	0.0 68.3	-533.35 -491.45	27.98 27.98	22.73 22.73	-16.75 -16.75	737.51 2285.65	3.259e+04 3.605e+04
						136.7	-449.56	27.98	22.73	-16.75	3833.79	3.951e+04
159	62	-2.803e+04 -3.342e+04	1.341e+04 4855.70	0.12 -0.03	0.0 0.0	0.0 68.3	-65.95 -24.06	62.06 62.06	62.51 62.51	2.19 2.19	4855.70 9132.16	-3.342e+04 -3.073e+04
						136.7	17.84	62.06	62.51	2.19	1.341e+04	-2.803e+04
159	76	-786.39 -6765.36	-5444.48 -1.184e+04	0.03 0.04	0.0 0.0	0.0 68.3	-236.70 -194.81	34.42 34.42	-47.08 -47.08	-87.04 -87.04	-5444.48 -8642.75	-6765.36 -3775.88
						136.7	-152.91	34.42	-47.08	-87.04	-1.184e+04	-786.39
159	77	1.226e+04 5937.48	2.908e+04 1.104e+04	-0.02 -0.07	0.0 0.0	0.0 68.3	-362.60 -320.71	55.61 55.61	132.32 132.32	72.48 72.48	1.104e+04 2.006e+04	5937.48 9100.58
						136.7	-278.81	55.61	132.32	72.48	2.908e+04	1.226e+04
159	87	6580.05 1151.43	9068.72 2832.64	-1.41e-03 -0.02	0.0 0.0	0.0 68.3	-290.25 -248.36	39.72 39.72	45.63 45.63	-27.78 -27.78	2832.64 5950.68	1151.43 3865.74
						136.7	-206.47	39.72	45.63	-27.78	9068.72	6580.05
159	89	7378.01 162.80	8408.66 2877.35	-1.09e-03 -0.02	0.0 0.0	0.0 68.3	-339.15 -297.25	52.79 52.79	40.47 40.47	-25.42 -25.42	2877.35 5643.01	162.80 3770.40
						136.7	-255.36	52.79	40.47	-25.42	8408.66	7378.01
159	91	9933.23 1492.40	1.475e+04 4517.60	-8.75e-04 -0.02	0.0 0.0	0.0 68.3	-417.65 -375.75	61.76 61.76	74.88 74.88	-35.24 -35.24	4517.60 9634.52	1492.40 5712.81
						136.7	-333.86	61.76	74.88	-35.24	1.475e+04	9933.23
159	93	1.049e+04 800.36	1.429e+04 4548.89	8.15e-04 -0.03	0.0 0.0	0.0 68.3	-451.87 -409.98	70.91 70.91	71.27 71.27	-33.59 -33.59	4548.89 9419.15	800.36 5646.08
						136.7	-368.08	70.91	71.27	-33.59	1.429e+04	1.049e+04
159	98	5499.25 -117.35	8819.22 2783.19	2.82e-03 -0.01	0.0 0.0	0.0 68.3	-284.98 -243.09	41.10 41.10	44.17 44.17	-7.99 -7.99	2783.19 5801.20	-117.35 2690.95
						136.7	-201.19	41.10	44.17	-7.99	8819.22	5499.25
159	99	5898.23 -611.67	8489.19 2805.54	3.06e-03 -0.02	0.0 0.0	0.0 68.3	-309.43 -267.54	47.63 47.63	41.59 41.59	-6.81 -6.81	2805.54 5647.37	-611.67 2643.28
						136.7	-225.64	47.63	41.59	-6.81	8489.19	5898.23
159	100	6169.89 -49.16	9955.76 3120.18	3.13e-03 -0.02	0.0 0.0	0.0 68.3	-310.46 -268.57	45.51 45.51	50.02 50.02	-9.48 -9.48	3120.18 6537.97	-49.16 3060.36
						136.7	-226.67	45.51	50.02	-9.48	9955.76	6169.89
159	102	6409.27 -345.75	9757.75 3133.59	3.27e-03 -0.02	0.0 0.0	0.0 68.3	-325.13 -283.24	49.43 49.43	48.47 48.47	-8.77 -8.77	3133.59 6445.67	-345.75 3031.76
						136.7	-241.34	49.43	48.47	-8.77	9757.75	6409.27
159	105	5499.25 -117.35	8819.22 2783.19	2.82e-03 -0.01	0.0 0.0	0.0 68.3	-284.98 -243.09	41.10 41.10	44.17 44.17	-7.99 -7.99	2783.19 5801.20	-117.35 2690.95
						136.7	-201.19	41.10	44.17	-7.99	8819.22	5499.25
159	106	5738.64 -413.94	8621.20 2796.60	2.97e-03 -0.02	0.0 0.0	0.0 68.3	-299.65 -257.76	45.02 45.02	42.62 42.62	-7.28 -7.28	2796.60 5708.90	-413.94 2662.35
						136.7	-215.86	45.02	42.62	-7.28	8621.20	5738.64
160	3	1207.69 -2083.90	407.79 246.35	-2.81e-03 -0.02	0.0 0.0	0.0 68.3	-380.71 -357.00	24.08 24.08	1.18 1.18	5.40 5.40	246.35 327.07	-2083.90 -438.11
						136.7	-333.29	24.08	1.18	5.40	407.79	1207.69
160	4	1620.14 -2120.66	314.50 219.95	-2.55e-03 -0.02	0.0 0.0	0.0 68.3	-510.81 -487.10	27.37 27.37	0.69 0.69	7.89 7.89	219.95 267.22	-2120.66 -250.26
						136.7	-463.39	27.37	0.69	7.89	314.50	1620.14
160	7	856.96 -1769.53	384.45 250.75	-3.61e-03 -0.01	0.0 0.0	0.0 68.3	-271.56 -253.33	19.22 19.22	0.98 0.98	3.57 3.57	250.75 317.60	-1769.53 -456.28

160	9	1765.53	40.16	-5.07e-03	0.0	136.7	-235.09	19.22	0.98	3.57	384.45	856.96
		-565.77	-50.48	-0.02	0.0	0.0	-718.39	17.06	-0.66	9.98	40.16	-565.77
160	11	1952.47	147.53	-3.14e-03	0.0	68.3	-694.68	17.06	-0.66	9.98	-5.16	599.88
		-1679.92	139.70	-0.02	0.0	136.7	-670.98	17.06	-0.66	9.98	-50.48	1765.53
160	12	1414.80	44.56	-5.88e-03	0.0	0.0	-664.15	26.58	-0.06	10.26	147.53	-1679.92
		-251.40	-73.81	-0.02	0.0	68.3	-640.44	26.58	-0.06	10.26	143.61	136.28
160	27	1.493e+04	1919.63	-0.32	0.0	136.7	-616.73	26.58	-0.06	10.26	139.70	1952.47
		-6516.27	68.23	6.59e-03	0.0	0.0	-609.25	12.19	-0.87	8.14	44.56	-251.40
160	30	8501.20	-25.77	0.33	0.0	68.3	-591.01	12.19	-0.87	8.14	-14.63	581.70
		-1.715e+04	-1659.45	-0.03	0.0	136.7	-572.77	12.19	-0.87	8.14	-73.81	1414.80
160	51	8332.47	2128.39	-0.19	0.0	0.0	-870.74	-155.92	10.46	-0.36	68.23	1.493e+04
		-3238.14	1385.07	-0.04	0.0	68.3	-852.50	-155.92	10.46	-0.36	993.93	4207.33
160	54	5223.07	-1342.62	0.19	0.0	136.7	-834.26	-155.92	10.46	-0.36	1919.63	-6516.27
		-1.055e+04	-1868.21	0.02	0.0	0.0	266.73	186.65	-8.87	10.85	-25.77	-1.715e+04
160	59	6619.00	981.02	-0.15	0.0	68.3	284.96	186.65	-8.87	10.85	-842.61	-4322.55
		-2630.35	55.88	-2.84e-03	0.0	136.7	303.20	186.65	-8.87	10.85	-1659.45	8501.20
160	62	4615.27	-13.42	0.16	0.0	0.0	-634.87	-84.15	10.97	29.17	1385.07	8332.47
		-8834.36	-720.83	-0.02	0.0	68.3	-616.63	-84.15	10.97	29.17	1756.73	2547.16
160	83	3435.57	1066.11	-0.09	0.0	136.7	-598.39	-84.15	10.97	29.17	2128.39	-3238.14
		-1046.53	702.64	-0.02	0.0	0.0	30.85	114.88	-9.38	-18.67	-1342.62	-1.055e+04
160	84	1810.37	-387.51	0.04	0.0	68.3	49.09	114.88	-9.38	-18.67	-1605.41	-2662.38
		-2890.25	-897.66	0.01	0.0	136.7	67.33	114.88	-9.38	-18.67	-1868.21	5223.07
160	89	907.33	281.76	-1.68e-03	0.0	0.0	-576.42	-67.12	5.46	2.94	55.88	6619.00
		-1468.66	163.50	-0.01	0.0	68.3	-558.18	-67.12	5.46	2.94	518.45	1994.33
160	90	1182.30	219.56	-1.51e-03	0.0	136.7	-539.94	-67.12	5.46	2.94	981.02	-2630.35
		-1493.16	145.90	-0.01	0.0	0.0	-27.59	97.85	-3.87	7.55	-13.42	-8834.36
160	91	1279.22	26.03	-3.20e-03	0.0	68.3	-9.36	97.85	-3.87	7.55	-367.13	-2109.54
		-456.57	-23.75	-0.01	0.0	136.7	8.88	97.85	-3.87	7.55	-720.83	4615.27
160	93	1403.85	103.03	-1.92e-03	0.0	0.0	-462.51	-32.52	5.73	16.01	702.64	3435.57
		-1199.34	97.62	-0.02	0.0	68.3	-444.27	-32.52	5.73	16.01	884.38	1194.52
160	99	1028.07	166.31	2.89e-03	0.0	136.7	-426.03	-32.52	5.73	16.01	1066.11	-1046.53
		-1319.90	41.68	-9.67e-03	0.0	0.0	-238.86	34.37	-2.35	-13.96	-897.66	-2890.25
160	100	1049.04	50.88	2.03e-03	0.0	68.3	-220.62	34.37	-2.35	-13.96	-642.59	-539.94
		-799.15	-16.49	-9.40e-03	0.0	136.7	-202.38	34.37	-2.35	-13.96	-387.51	1810.37
160	102	1102.45	105.21	2.58e-03	0.0	0.0	-291.51	17.39	0.87	4.19	163.50	-1468.66
		-1117.48	14.19	-0.01	0.0	68.3	-273.27	17.39	0.87	4.19	222.63	-280.66
160	105	939.05	75.75	1.96e-03	0.0	136.7	-255.03	17.39	0.87	4.19	281.76	907.33
		-789.35	-9.45	-8.56e-03	0.0	0.0	-378.24	19.58	0.54	5.86	145.90	-1493.16
160	106	992.46	130.09	2.52e-03	0.0	68.3	-360.00	19.58	0.54	5.86	182.73	-155.43
		-1107.68	21.23	-9.23e-03	0.0	136.7	-341.76	19.58	0.54	5.86	219.56	1182.30
162	3	264.38	302.68	2.23e-03	0.0	0.0	-516.63	12.70	-0.36	7.24	26.03	-456.57
		144.50	267.07	-0.02	0.0	68.3	-498.39	12.70	-0.36	7.24	1.14	411.32
162	5	215.54	141.80	-1.44e-04	0.0	136.7	-480.16	12.70	-0.36	7.24	-23.75	1279.22
		120.85	88.23	-0.01	0.0	0.0	-480.47	19.05	0.04	7.44	97.62	-1199.34
162	9	445.55	169.17	-3.17e-04	0.0	68.3	-462.23	19.05	0.04	7.44	100.32	102.26
		225.99	-18.24	-0.02	0.0	136.7	-443.99	19.05	0.04	7.44	103.03	1403.85
162	11	441.35	260.11	1.40e-03	0.0	0.0	-291.67	17.18	0.91	5.30	41.68	-1319.90
		228.54	111.88	-0.02	0.0	68.3	-273.44	17.18	0.91	5.30	104.00	-145.91
162	19	260.03	177.77	-4.17e-04	0.0	136.7	-255.20	17.18	0.91	5.30	166.31	1028.07
		162.47	156.28	-0.01	0.0	0.0	-352.20	13.52	0.49	5.83	-16.49	-799.15
162	23	6996.36	-87.01	-0.32	0.0	68.3	-333.96	13.52	0.49	5.83	17.19	124.94
					0.0	136.7	-315.72	13.52	0.49	5.83	50.88	1049.04
					0.0	0.0	-336.70	16.24	0.67	5.91	14.19	-1117.48
					0.0	68.3	-318.46	16.24	0.67	5.91	59.70	-7.52
					0.0	136.7	-300.22	16.24	0.67	5.91	105.21	1102.45
					0.0	0.0	-317.51	12.65	0.62	5.17	-9.45	-789.35
					0.0	68.3	-299.27	12.65	0.62	5.17	33.15	74.85
					0.0	136.7	-281.03	12.65	0.62	5.17	75.75	939.05
					0.0	0.0	-302.01	15.37	0.80	5.25	21.23	-1107.68
					0.0	68.3	-283.77	15.37	0.80	5.25	75.66	-57.61
					0.0	136.7	-265.53	15.37	0.80	5.25	130.09	992.46
					0.0	0.0	-412.88	0.88	0.26	6.60	267.07	144.50
					0.0	68.3	-389.17	0.88	0.26	6.60	284.88	204.44
					0.0	136.7	-365.46	0.88	0.26	6.60	302.68	264.38
					0.0	0.0	-279.46	0.69	0.39	2.91	88.23	120.85
					0.0	68.3	-261.22	0.69	0.39	2.91	115.01	168.20
					0.0	136.7	-242.99	0.69	0.39	2.91	141.80	215.54
					0.0	0.0	-582.93	1.61	1.37	9.80	-18.24	225.99
					0.0	68.3	-559.22	1.61	1.37	9.80	75.46	335.77
					0.0	136.7	-535.51	1.61	1.37	9.80	169.17	445.55
					0.0	0.0	-604.14	1.56	1.08	11.04	111.88	228.54
					0.0	68.3	-580.43	1.56	1.08	11.04	185.99	334.94
					0.0	136.7	-556.72	1.56	1.08	11.04	260.11	441.35
					0.0	0.0	-274.85	0.71	0.16	1.43	156.28	162.47
					0.0	68.3	-256.62	0.71	0.16	1.43	167.03	211.25
					0.0	136.7	-238.38	0.71	0.16	1.43	177.77	260.03
					0.0	0.0	-442.64	-14.36	1.01	1.72	-201.08	6996.36

		5197.62	-201.08	5.17e-03	0.0	68.3	-424.40	-14.36	1.01	1.72	-144.04	6096.99
						136.7	-406.16	-14.36	1.01	1.72	-87.01	5197.62
162	26	-4893.52	318.69	0.32	0.0	0.0	-157.19	15.71	0.36	9.57	245.22	-6875.91
		-6875.91	245.22	-0.02	0.0	68.3	-138.95	15.71	0.36	9.57	281.95	-5884.72
						136.7	-120.71	15.71	0.36	9.57	318.69	-4893.52
162	28	4839.58	-963.95	-0.23	0.0	0.0	-444.86	-8.53	-0.63	-20.18	-1021.86	4839.58
		3736.12	-1021.86	0.03	0.0	68.3	-426.62	-8.53	-0.63	-20.18	-992.90	4287.85
						136.7	-408.38	-8.53	-0.63	-20.18	-963.95	3736.12
162	29	-3432.02	1195.63	0.23	0.0	0.0	-154.97	9.87	2.01	31.47	1066.00	-4719.12
		-4719.12	1066.00	-0.05	0.0	68.3	-136.73	9.87	2.01	31.47	1130.81	-4075.57
						136.7	-118.49	9.87	2.01	31.47	1195.63	-3432.02
162	52	-1187.11	-1768.06	0.09	0.0	0.0	-406.90	5.91	-2.11	-37.89	-1768.06	-1838.78
		-1838.78	-1807.30	0.04	0.0	68.3	-388.66	5.91	-2.11	-37.89	-1787.68	-1512.95
						136.7	-370.43	5.91	-2.11	-37.89	-1807.30	-1187.11
162	53	1959.24	2038.98	-0.09	0.0	0.0	-192.93	-4.56	3.48	49.18	1812.20	1959.24
		1491.21	1812.20	-0.06	0.0	68.3	-174.69	-4.56	3.48	49.18	1925.59	1725.22
						136.7	-156.45	-4.56	3.48	49.18	2038.98	1491.21
162	55	3395.46	20.60	-0.15	0.0	0.0	-368.60	-6.63	0.85	3.98	-82.60	3395.46
		2574.94	-82.60	-2.12e-03	0.0	68.3	-350.37	-6.63	0.85	3.98	-31.00	2985.20
						136.7	-332.13	-6.63	0.85	3.98	20.60	2574.94
162	58	-2270.84	211.08	0.15	0.0	0.0	-231.23	7.98	0.52	7.31	126.74	-3275.00
		-3275.00	126.74	-0.02	0.0	68.3	-212.99	7.98	0.52	7.31	168.91	-2772.92
						136.7	-194.75	7.98	0.52	7.31	211.08	-2270.84
162	60	2387.72	-402.94	-0.11	0.0	0.0	-369.89	-3.89	0.05	-5.67	-479.86	2387.72
		1888.59	-479.86	9.30e-03	0.0	68.3	-351.65	-3.89	0.05	-5.67	-441.40	2138.16
						136.7	-333.41	-3.89	0.05	-5.67	-402.94	1888.59
162	61	-1584.49	634.62	0.11	0.0	0.0	-229.95	5.24	1.33	16.96	524.00	-2267.26
		-2267.26	524.00	-0.03	0.0	68.3	-211.71	5.24	1.33	16.96	579.31	-1925.88
						136.7	-193.47	5.24	1.33	16.96	634.62	-1584.49
162	84	-480.22	-818.04	0.04	0.0	0.0	-351.56	3.16	-0.67	-13.77	-852.12	-832.54
		-832.54	-852.12	0.01	0.0	68.3	-333.33	3.16	-0.67	-13.77	-835.08	-656.38
						136.7	-315.09	3.16	-0.67	-13.77	-818.04	-480.22
162	85	953.00	1049.72	-0.04	0.0	0.0	-248.27	-1.82	2.04	25.06	896.26	953.00
		784.31	896.26	-0.03	0.0	68.3	-230.03	-1.82	2.04	25.06	972.99	868.65
						136.7	-211.79	-1.82	2.04	25.06	1049.72	784.31
162	87	197.73	125.83	4.29e-04	0.0	0.0	-289.25	0.71	0.53	3.82	52.95	101.12
		101.12	52.95	-0.01	0.0	68.3	-271.01	0.71	0.53	3.82	89.39	149.43
						136.7	-252.77	0.71	0.53	3.82	125.83	197.73
162	89	193.73	212.43	1.54e-03	0.0	0.0	-309.45	0.66	0.26	4.99	176.87	103.55
		103.55	176.87	-0.01	0.0	68.3	-291.21	0.66	0.26	4.99	194.65	148.64
						136.7	-272.97	0.66	0.26	4.99	212.43	193.73
162	91	314.51	123.42	2.06e-04	0.0	0.0	-422.81	1.15	1.00	7.13	-13.34	157.87
		157.87	-13.34	-0.01	0.0	68.3	-404.58	1.15	1.00	7.13	55.04	236.19
						136.7	-386.34	1.15	1.00	7.13	123.42	314.51
162	93	311.71	184.05	9.86e-04	0.0	0.0	-436.95	1.11	0.81	7.95	73.41	159.58
		159.58	73.41	-0.02	0.0	68.3	-418.71	1.11	0.81	7.95	128.73	235.64
						136.7	-400.48	1.11	0.81	7.95	184.05	311.71
162	94	227.39	149.80	1.64e-04	0.0	0.0	-286.18	0.72	0.38	2.83	98.31	128.86
		128.86	98.31	-0.01	0.0	68.3	-267.94	0.72	0.38	2.83	124.06	178.13
						136.7	-249.70	0.72	0.38	2.83	149.80	227.39
162	98	153.25	89.86	8.25e-04	0.0	0.0	-293.86	0.69	0.77	5.29	-15.11	59.50
		59.50	-15.11	-8.55e-03	0.0	68.3	-275.62	0.69	0.77	5.29	37.38	106.37
						136.7	-257.38	0.69	0.77	5.29	89.86	153.25
162	99	151.25	133.16	1.38e-03	0.0	0.0	-303.96	0.66	0.63	5.88	46.86	60.71
		60.71	46.86	-9.67e-03	0.0	68.3	-285.72	0.66	0.63	5.88	90.01	105.98
						136.7	-267.48	0.66	0.63	5.88	133.16	151.25
162	100	176.61	89.38	7.81e-04	0.0	0.0	-320.57	0.77	0.86	5.95	-28.36	70.85
		70.85	-28.36	-9.39e-03	0.0	68.3	-302.33	0.77	0.86	5.95	30.51	123.73
						136.7	-284.09	0.77	0.86	5.95	89.38	176.61
162	102	175.41	115.36	1.11e-03	0.0	0.0	-326.63	0.76	0.78	6.31	8.81	71.58
		71.58	8.81	-0.01	0.0	68.3	-308.39	0.76	0.78	6.31	62.09	123.49
						136.7	-290.15	0.76	0.78	6.31	115.36	175.41
162	103	168.08	101.85	6.93e-04	0.0	0.0	-292.32	0.69	0.69	4.80	7.58	73.37
		73.37	7.58	-9.13e-03	0.0	68.3	-274.08	0.69	0.69	4.80	54.71	120.72
						136.7	-255.84	0.69	0.69	4.80	101.85	168.08
162	105	153.25	89.86	8.25e-04	0.0	0.0	-293.86	0.69	0.77	5.29	-15.11	59.50
		59.50	-15.11	-8.55e-03	0.0	68.3	-275.62	0.69	0.77	5.29	37.38	106.37
						136.7	-257.38	0.69	0.77	5.29	89.86	153.25
162	106	152.05	115.84	1.16e-03	0.0	0.0	-299.92	0.67	0.69	5.65	22.07	60.23
		60.23	22.07	-9.23e-03	0.0	68.3	-281.68	0.67	0.69	5.65	68.95	106.14
						136.7	-263.44	0.67	0.69	5.65	115.84	152.05
163	3	1053.89	-55.21	-3.15e-03	0.0	0.0	-1830.54	43.63	-5.94	6.30	-55.21	-1738.16
		-1738.16	-435.12	-9.77e-03	0.0	32.0	-1819.43	43.63	-5.94	6.30	-245.16	-342.14
						64.0	-1808.33	43.63	-5.94	6.30	-435.12	1053.89
163	4	1049.77	-43.21	-3.32e-03	0.0	0.0	-1946.05	46.76	-6.15	6.32	-43.21	-1943.17
		-1943.17	-436.67	-9.60e-03	0.0	32.0	-1934.94	46.76	-6.15	6.32	-239.94	-446.70
						64.0	-1923.84	46.76	-6.15	6.32	-436.67	1049.77

163	5	30.82	-183.22	-3.16e-03	0.0	0.0	-951.70	54.68	-0.47	-0.30	-183.22	-3468.51
		-3468.51	-213.46	-3.78e-03	0.0	32.0	-943.16	54.68	-0.47	-0.30	-198.34	-1718.85
						64.0	-934.61	54.68	-0.47	-0.30	-213.46	30.82
163	16	-0.03	-309.38	-5.43e-03	0.0	0.0	-1455.82	92.93	-0.53	-0.91	-309.38	-5947.45
		-5947.45	-343.15	-5.88e-03	0.0	32.0	-1444.72	92.93	-0.53	-0.91	-326.27	-2973.74
						64.0	-1433.62	92.93	-0.53	-0.91	-343.15	-0.03
163	18	668.57	-232.55	-5.41e-03	0.0	0.0	-1859.92	84.41	-3.94	3.37	-232.55	-4733.37
		-4733.37	-484.43	-9.85e-03	0.0	32.0	-1848.81	84.41	-3.94	3.37	-358.49	-2032.40
						64.0	-1837.71	84.41	-3.94	3.37	-484.43	668.57
163	27	-4997.95	717.93	-0.10	0.0	0.0	-3396.21	1620.57	-6.77	9.54	717.93	-1.087e+05
		-1.087e+05	264.83	4.17e-03	0.0	32.0	-3387.67	1620.57	-6.77	9.54	491.38	-5.686e+04
						64.0	-3379.13	1620.57	-6.77	9.54	264.83	-4997.95
163	30	1.093e+05	-451.51	0.10	0.0	0.0	1475.03	-1618.04	1.52	-4.24	-568.78	1.093e+05
		5739.60	-568.78	-8.18e-03	0.0	32.0	1483.58	-1618.04	1.52	-4.24	-510.14	5.752e+04
						64.0	1492.12	-1618.04	1.52	-4.24	-451.51	5739.60
163	44	2.098e+04	3528.79	0.02	0.0	0.0	-497.27	-306.02	15.20	79.52	3528.79	2.098e+04
		1399.82	1815.82	0.03	0.0	32.0	-488.73	-306.02	15.20	79.52	2672.31	1.119e+04
						64.0	-480.19	-306.02	15.20	79.52	1815.82	1399.82
163	45	-658.17	-2002.50	-0.02	0.0	0.0	-1423.90	308.56	-20.45	-74.22	-3379.63	-2.040e+04
		-2.040e+04	-3379.63	-0.03	0.0	32.0	-1415.36	308.56	-20.45	-74.22	-2691.07	-1.053e+04
						64.0	-1406.82	308.56	-20.45	-74.22	-2002.50	-658.17
163	59	-2215.53	372.01	-0.05	0.0	0.0	-2133.63	781.32	-4.55	5.31	372.01	-5.222e+04
		-5.222e+04	69.63	7.70e-04	0.0	32.0	-2125.09	781.32	-4.55	5.31	220.82	-2.722e+04
						64.0	-2116.55	781.32	-4.55	5.31	69.63	-2215.53
163	62	5.280e+04	-222.85	0.05	0.0	0.0	212.45	-778.78	-0.69	-0.01	-222.85	5.280e+04
		2957.18	-256.30	-4.78e-03	0.0	32.0	220.99	-778.78	-0.69	-0.01	-239.58	2.788e+04
						64.0	229.53	-778.78	-0.69	-0.01	-256.30	2957.18
163	76	1.027e+04	1689.60	9.45e-03	0.0	0.0	-737.10	-146.95	6.10	41.19	1689.60	1.027e+04
		866.68	779.63	0.01	0.0	32.0	-728.56	-146.95	6.10	41.19	1234.61	5568.67
						64.0	-720.02	-146.95	6.10	41.19	779.63	866.68
163	77	-125.03	-966.30	-9.51e-03	0.0	0.0	-1184.08	149.48	-11.35	-35.90	-1540.44	-9691.21
		-9691.21	-1540.44	-0.02	0.0	32.0	-1175.54	149.48	-11.35	-35.90	-1253.37	-4908.12
						64.0	-1166.99	149.48	-11.35	-35.90	-966.30	-125.03
163	87	85.14	-103.78	-2.12e-03	0.0	0.0	-932.19	37.69	-0.90	0.30	-103.78	-2327.03
		-2327.03	-161.28	-2.83e-03	0.0	32.0	-923.64	37.69	-0.90	0.30	-132.53	-1120.95
						64.0	-915.10	37.69	-0.90	0.30	-161.28	85.14
163	89	721.91	-30.61	-2.10e-03	0.0	0.0	-1317.03	29.57	-4.14	4.37	-30.61	-1170.76
		-1170.76	-295.83	-6.61e-03	0.0	32.0	-1308.49	29.57	-4.14	4.37	-163.22	-224.43
						64.0	-1299.95	29.57	-4.14	4.37	-295.83	721.91
163	90	719.16	-22.61	-2.22e-03	0.0	0.0	-1394.04	31.67	-4.29	4.38	-22.61	-1307.43
		-1307.43	-296.86	-6.49e-03	0.0	32.0	-1385.50	31.67	-4.29	4.38	-159.74	-294.14
						64.0	-1376.96	31.67	-4.29	4.38	-296.86	719.16
163	95	19.29	-200.06	-3.62e-03	0.0	0.0	-1067.22	62.44	-0.54	-0.44	-200.06	-3976.95
		-3976.95	-234.52	-4.02e-03	0.0	32.0	-1058.68	62.44	-0.54	-0.44	-217.29	-1978.83
						64.0	-1050.14	62.44	-0.54	-0.44	-234.52	19.29
163	97	465.03	-148.84	-3.61e-03	0.0	0.0	-1336.62	56.76	-2.81	2.41	-148.84	-3167.56
		-3167.56	-328.70	-6.66e-03	0.0	32.0	-1328.08	56.76	-2.81	2.41	-238.77	-1351.27
						64.0	-1319.54	56.76	-2.81	2.41	-328.70	465.03
163	98	179.80	52.63	-4.50e-05	0.0	0.0	-845.13	3.70	-1.65	1.43	52.63	-57.16
		-57.16	-52.97	-8.70e-04	0.0	32.0	-836.59	3.70	-1.65	1.43	-0.17	61.32
						64.0	-828.05	3.70	-1.65	1.43	-52.97	179.80
163	99	520.98	89.21	-1.58e-04	0.0	0.0	-1037.56	-0.36	-3.27	3.46	89.21	520.98
		498.18	-120.25	-2.76e-03	0.0	32.0	-1029.02	-0.36	-3.27	3.46	-15.52	509.58
						64.0	-1020.48	-0.36	-3.27	3.46	-120.25	498.18
163	103	148.24	0.49	-7.32e-04	0.0	0.0	-874.15	15.03	-1.40	1.05	0.49	-813.78
		-813.78	-89.07	-1.52e-03	0.0	32.0	-865.61	15.03	-1.40	1.05	-44.29	-332.77
						64.0	-857.07	15.03	-1.40	1.05	-89.07	148.24
163	104	339.27	22.44	-7.27e-04	0.0	0.0	-989.61	12.60	-2.37	2.27	22.44	-466.90
		-466.90	-129.44	-2.66e-03	0.0	32.0	-981.06	12.60	-2.37	2.27	-53.50	-63.81
						64.0	-972.52	12.60	-2.37	2.27	-129.44	339.27
163	105	179.80	52.63	-4.50e-05	0.0	0.0	-845.13	3.70	-1.65	1.43	52.63	-57.16
		-57.16	-52.97	-8.70e-04	0.0	32.0	-836.59	3.70	-1.65	1.43	-0.17	61.32
						64.0	-828.05	3.70	-1.65	1.43	-52.97	179.80
163	106	370.83	74.58	-1.09e-04	0.0	0.0	-960.59	1.27	-2.62	2.65	74.58	289.72
		289.72	-93.34	-2.00e-03	0.0	32.0	-952.05	1.27	-2.62	2.65	-9.38	330.27
						64.0	-943.51	1.27	-2.62	2.65	-93.34	370.83
164	5	190.64	652.84	1.42e-04	0.0	0.0	-374.44	0.50	8.58	0.77	-520.14	121.96
		121.96	-520.14	-0.03	0.0	68.3	-356.20	0.50	8.58	0.77	66.35	156.30
						136.7	-337.96	0.50	8.58	0.77	652.84	190.64
164	7	175.61	797.56	1.81e-03	0.0	0.0	-460.78	0.43	12.25	6.16	-877.07	116.40
		116.40	-877.07	-0.04	0.0	68.3	-442.54	0.43	12.25	6.16	-39.75	146.00
						136.7	-424.30	0.43	12.25	6.16	797.56	175.61
164	9	403.04	1569.28	-2.95e-04	0.0	0.0	-764.59	1.26	19.48	2.75	-1093.59	231.21
		231.21	-1093.59	-0.07	0.0	68.3	-740.88	1.26	19.48	2.75	237.85	317.13
						136.7	-717.17	1.26	19.48	2.75	1569.28	403.04
164	11	392.51	1670.59	1.40e-03	0.0	0.0	-825.02	1.21	22.05	6.53	-1343.44	227.32
		227.32	-1343.44	-0.08	0.0	68.3	-801.31	1.21	22.05	6.53	163.58	309.92

						136.7	-777.61	1.21	22.05	6.53	1670.59	392.51
164	23	6923.31	-71.95	-0.32	0.0	0.0	-606.60	-13.44	-0.27	68.99	-71.95	6923.31
		5306.20	-121.16	8.68e-03	0.0	68.3	-588.36	-13.44	-0.27	68.99	-96.55	6114.76
						136.7	-570.12	-13.44	-0.27	68.99	-121.16	5306.20
164	26	-5039.17	1503.56	0.32	0.0	0.0	-193.12	14.54	19.05	-60.71	-1111.59	-6806.64
		-6806.64	-1111.59	-0.07	0.0	68.3	-174.89	14.54	19.05	-60.71	195.98	-5922.91
						136.7	-156.65	14.54	19.05	-60.71	1503.56	-5039.17
164	45	2339.49	4116.70	-0.08	0.0	0.0	-527.92	-6.55	58.64	87.55	-3926.33	2339.49
		1593.80	-3926.33	-0.26	0.0	68.3	-509.68	-6.55	58.64	87.55	95.19	1966.65
						136.7	-491.45	-6.55	58.64	87.55	4116.70	1593.80
164	51	4885.14	2280.07	-0.20	0.0	0.0	-662.72	-11.28	33.09	42.55	-2284.37	4885.14
		3637.80	-2284.37	-0.14	0.0	68.3	-644.48	-11.28	33.09	42.55	-2.15	4261.47
						136.7	-626.25	-11.28	33.09	42.55	2280.07	3637.80
164	54	-3370.77	1100.83	0.20	0.0	0.0	-137.00	12.38	-14.32	-34.27	1100.83	-4768.47
		-4768.47	-897.67	0.07	0.0	68.3	-118.76	12.38	-14.32	-34.27	101.58	-4069.62
						136.7	-100.52	12.38	-14.32	-34.27	-897.67	-3370.77
164	55	3359.94	290.94	-0.15	0.0	0.0	-496.71	-6.28	4.64	33.97	-339.23	3359.94
		2616.96	-339.23	-0.01	0.0	68.3	-478.47	-6.28	4.64	33.97	-24.14	2988.45
						136.7	-460.24	-6.28	4.64	33.97	290.94	2616.96
164	58	-2349.93	1091.46	0.15	0.0	0.0	-303.01	7.38	14.13	-25.69	-844.31	-3243.27
		-3243.27	-844.31	-0.05	0.0	68.3	-284.77	7.38	14.13	-25.69	123.57	-2796.60
						136.7	-266.53	7.38	14.13	-25.69	1091.46	-2349.93
164	77	1080.02	2213.71	-0.04	0.0	0.0	-456.27	-2.67	31.11	41.03	-2053.26	1080.02
		792.97	-2053.26	-0.13	0.0	68.3	-438.03	-2.67	31.11	41.03	80.23	936.49
						136.7	-419.80	-2.67	31.11	41.03	2213.71	792.97
164	83	2358.37	1409.17	-0.09	0.0	0.0	-522.61	-5.15	20.07	21.33	-1356.98	2358.37
		1805.43	-1356.98	-0.08	0.0	68.3	-504.38	-5.15	20.07	21.33	26.10	2081.90
						136.7	-486.14	-5.15	20.07	21.33	1409.17	1805.43
164	86	-1538.40	173.43	0.10	0.0	0.0	-277.10	6.25	-1.30	-13.04	173.43	-2241.70
		-2241.70	-26.77	0.01	0.0	68.3	-258.87	6.25	-1.30	-13.04	73.33	-1890.05
						136.7	-240.63	6.25	-1.30	-13.04	-26.77	-1538.40
164	87	175.20	672.00	4.27e-04	0.0	0.0	-384.51	0.54	8.82	1.60	-533.18	101.78
		101.78	-533.18	-0.03	0.0	68.3	-366.27	0.54	8.82	1.60	672.00	175.20
						136.7	-348.03	0.54	8.82	1.60	672.00	175.20
164	89	165.17	768.48	1.54e-03	0.0	0.0	-442.07	0.49	11.27	5.20	-771.13	98.07
		98.07	-771.13	-0.04	0.0	68.3	-423.83	0.49	11.27	5.20	-1.33	131.62
						136.7	-405.59	0.49	11.27	5.20	768.48	165.17
164	91	284.30	1118.47	2.03e-04	0.0	0.0	-553.39	0.90	13.93	2.17	-785.49	161.42
		161.42	-785.49	-0.05	0.0	68.3	-535.15	0.90	13.93	2.17	166.49	222.86
						136.7	-516.91	0.90	13.93	2.17	1118.47	284.30
164	93	277.28	1186.01	9.83e-04	0.0	0.0	-593.68	0.87	15.64	4.69	-952.05	158.82
		158.82	-952.05	-0.05	0.0	68.3	-575.44	0.87	15.64	4.69	116.98	218.05
						136.7	-557.20	0.87	15.64	4.69	1186.01	277.28
164	98	136.52	662.26	8.24e-04	0.0	0.0	-382.59	0.56	8.65	3.06	-520.39	59.45
		59.45	-520.39	-0.03	0.0	68.3	-364.35	0.56	8.65	3.06	70.93	97.98
						136.7	-346.11	0.56	8.65	3.06	662.26	136.52
164	99	131.51	710.50	1.38e-03	0.0	0.0	-411.37	0.54	9.88	4.86	-639.36	57.59
		57.59	-639.36	-0.03	0.0	68.3	-393.13	0.54	9.88	4.86	35.57	94.55
						136.7	-374.89	0.54	9.88	4.86	710.50	131.51
164	100	158.34	751.55	7.79e-04	0.0	0.0	-416.37	0.64	9.68	3.18	-570.85	71.38
		71.38	-570.85	-0.03	0.0	68.3	-398.13	0.64	9.68	3.18	90.35	114.86
						136.7	-379.89	0.64	9.68	3.18	751.55	158.34
164	102	155.34	780.49	1.11e-03	0.0	0.0	-433.63	0.62	10.41	4.26	-642.23	70.26
		70.26	-642.23	-0.04	0.0	68.3	-415.40	0.62	10.41	4.26	69.13	112.80
						136.7	-397.16	0.62	10.41	4.26	780.49	155.34
164	105	136.52	662.26	8.24e-04	0.0	0.0	-382.59	0.56	8.65	3.06	-520.39	59.45
		59.45	-520.39	-0.03	0.0	68.3	-364.35	0.56	8.65	3.06	70.93	97.98
						136.7	-346.11	0.56	8.65	3.06	662.26	136.52
164	106	133.51	691.20	1.16e-03	0.0	0.0	-399.86	0.55	9.39	4.14	-591.77	58.34
		58.34	-591.77	-0.03	0.0	68.3	-381.62	0.55	9.39	4.14	49.71	95.93
						136.7	-363.38	0.55	9.39	4.14	691.20	133.51
165	4	306.86	3137.05	4.49e-03	0.0	0.0	-652.60	-2.19	12.89	-6.85	1375.23	306.86
		7.40	1375.23	-0.03	0.0	68.3	-628.89	-2.19	12.89	-6.85	2256.14	157.13
						136.7	-605.18	-2.19	12.89	-6.85	3137.05	7.40
165	5	191.30	1238.78	1.65e-03	0.0	0.0	-319.31	-1.44	4.30	-5.12	651.21	191.30
		-5.35	651.21	-0.01	0.0	68.3	-301.07	-1.44	4.30	-5.12	945.00	92.97
						136.7	-282.84	-1.44	4.30	-5.12	1238.78	-5.35
165	9	403.67	2295.30	3.35e-03	0.0	0.0	-692.92	-3.14	5.34	-9.16	1565.72	403.67
		-25.94	1565.72	-0.03	0.0	68.3	-669.21	-3.14	5.34	-9.16	1930.51	188.87
						136.7	-645.50	-3.14	5.34	-9.16	2295.30	-25.94
165	11	393.18	3095.64	4.47e-03	0.0	0.0	-753.36	-2.94	10.46	-8.64	1666.31	393.18
		-9.31	1666.31	-0.04	0.0	68.3	-729.65	-2.94	10.46	-8.64	2380.98	191.93
						136.7	-705.94	-2.94	10.46	-8.64	3095.64	-9.31
165	23	5305.70	-94.52	-0.27	0.0	0.0	-551.37	-38.39	-0.31	-7.95	-120.76	5305.70
		73.41	-120.76	5.75e-03	0.0	68.3	-533.13	-38.39	-0.31	-7.95	-107.64	2689.56
						136.7	-514.89	-38.39	-0.31	-7.95	-94.52	73.41
165	26	-73.24	3001.60	0.27	0.0	0.0	-138.09	36.43	11.50	3.45	1499.31	-5038.67

		-5038.67	1499.31	-0.04	0.0	68.3	-119.86	36.43	11.50	3.45	2250.46	-2555.95
						136.7	-101.62	36.43	11.50	3.45	3001.60	-73.24
165	44	-22.72	-2721.19	0.07	0.0	0.0	-216.75	9.61	-47.33	-39.47	-2721.19	-1324.46
		-1324.46	-9092.89	0.11	0.0	68.3	-198.51	9.61	-47.33	-39.47	-5907.04	-673.59
						136.7	-180.27	9.61	-47.33	-39.47	-9092.89	-22.72
165	45	1591.49	1.200e+04	-0.07	0.0	0.0	-472.71	-11.56	58.51	34.96	4099.74	1591.49
		22.90	4099.74	-0.14	0.0	68.3	-454.48	-11.56	58.51	34.96	8049.86	807.19
						136.7	-436.24	-11.56	58.51	34.96	1.200e+04	22.90
165	51	3635.88	6857.43	-0.16	0.0	0.0	-607.44	-26.36	34.33	16.97	2270.91	3635.88
		43.90	2270.91	-0.08	0.0	68.3	-589.20	-26.36	34.33	16.97	4564.17	1839.89
						136.7	-570.96	-26.36	34.33	16.97	6857.43	43.90
165	54	-43.73	-892.36	0.17	0.0	0.0	-82.02	24.40	-23.14	-21.48	-892.36	-3368.85
		-3368.85	-3950.35	0.04	0.0	68.3	-63.79	24.40	-23.14	-21.48	-2421.36	-1706.29
						136.7	-45.55	24.40	-23.14	-21.48	-3950.35	-43.73
165	55	2616.82	704.65	-0.13	0.0	0.0	-441.54	-18.94	2.82	-4.97	290.15	2616.82
		35.73	290.15	-5.41e-03	0.0	68.3	-423.30	-18.94	2.82	-4.97	497.40	1326.27
						136.7	-405.06	-18.94	2.82	-4.97	704.65	35.73
165	58	-35.55	2202.44	0.13	0.0	0.0	-247.93	16.99	8.37	0.47	1088.40	-2349.79
		-2349.79	1088.40	-0.03	0.0	68.3	-229.69	16.99	8.37	0.47	1645.42	-1192.67
						136.7	-211.45	16.99	8.37	0.47	2202.44	-35.55
165	76	-10.96	-826.65	0.03	0.0	0.0	-288.36	3.80	-17.49	-19.09	-826.65	-525.06
		-525.06	-3164.42	0.04	0.0	68.3	-270.12	3.80	-17.49	-19.09	-1995.53	-268.01
						136.7	-251.88	3.80	-17.49	-19.09	-3164.42	-10.96
165	77	792.10	6071.51	-0.03	0.0	0.0	-401.11	-5.76	28.67	14.59	2205.20	792.10
		11.13	2205.20	-0.07	0.0	68.3	-382.87	-5.76	28.67	14.59	4138.35	401.61
						136.7	-364.63	-5.76	28.67	14.59	6071.51	11.13
165	83	1804.68	3892.99	-0.08	0.0	0.0	-467.41	-13.09	18.64	6.73	1404.00	1804.68
		21.33	1404.00	-0.04	0.0	68.3	-449.17	-13.09	18.64	6.73	2648.50	913.00
						136.7	-430.93	-13.09	18.64	6.73	3892.99	21.33
165	86	-21.16	-25.45	0.08	0.0	0.0	-222.05	11.13	-7.46	-11.24	-25.45	-1537.64
		-1537.64	-985.91	0.01	0.0	68.3	-203.81	11.13	-7.46	-11.24	-505.68	-779.40
						136.7	-185.58	11.13	-7.46	-11.24	-985.91	-21.16
165	87	175.64	1262.77	1.80e-03	0.0	0.0	-329.38	-1.32	4.34	-4.28	670.30	175.64
		-5.13	670.30	-0.02	0.0	68.3	-311.14	-1.32	4.34	-4.28	966.54	85.25
						136.7	-292.90	-1.32	4.34	-4.28	1262.77	-5.13
165	90	220.18	2226.06	3.17e-03	0.0	0.0	-471.38	-1.58	9.05	-4.82	988.91	220.18
		4.32	988.91	-0.02	0.0	68.3	-453.14	-1.58	9.05	-4.82	1607.48	112.25
						136.7	-434.90	-1.58	9.05	-4.82	2226.06	4.32
165	91	284.72	1664.89	2.40e-03	0.0	0.0	-498.26	-2.21	4.02	-6.36	1115.90	284.72
		-17.91	1115.90	-0.02	0.0	68.3	-480.02	-2.21	4.02	-6.36	1390.40	133.41
						136.7	-461.78	-2.21	4.02	-6.36	1664.89	-17.91
165	93	277.72	2198.45	3.15e-03	0.0	0.0	-538.55	-2.08	7.43	-6.02	1182.96	277.72
		-6.82	1182.96	-0.03	0.0	68.3	-520.31	-2.08	7.43	-6.02	1690.71	135.45
						136.7	-502.07	-2.08	7.43	-6.02	2198.45	-6.82
165	98	136.52	1224.87	1.85e-03	0.0	0.0	-327.46	-1.03	4.13	-2.40	660.53	136.52
		-4.66	660.53	-0.01	0.0	68.3	-309.23	-1.03	4.13	-2.40	942.70	65.93
						136.7	-290.99	-1.03	4.13	-2.40	1224.87	-4.66
165	99	131.52	1605.99	2.39e-03	0.0	0.0	-356.24	-0.94	6.57	-2.15	708.44	131.52
		3.25	708.44	-0.02	0.0	68.3	-338.01	-0.94	6.57	-2.15	1157.21	67.39
						136.7	-319.77	-0.94	6.57	-2.15	1605.99	3.25
165	100	158.33	1305.30	1.98e-03	0.0	0.0	-361.24	-1.21	4.07	-2.82	749.65	158.33
		-7.22	749.65	-0.02	0.0	68.3	-343.00	-1.21	4.07	-2.82	1027.48	75.56
						136.7	-324.76	-1.21	4.07	-2.82	1305.30	-7.22
165	102	155.33	1533.97	2.30e-03	0.0	0.0	-378.51	-1.15	5.53	-2.67	778.39	155.33
		-2.47	778.39	-0.02	0.0	68.3	-360.27	-1.15	5.53	-2.67	1156.18	76.43
						136.7	-342.03	-1.15	5.53	-2.67	1533.97	-2.47
165	105	136.52	1224.87	1.85e-03	0.0	0.0	-327.46	-1.03	4.13	-2.40	660.53	136.52
		-4.66	660.53	-0.01	0.0	68.3	-309.23	-1.03	4.13	-2.40	942.70	65.93
						136.7	-290.99	-1.03	4.13	-2.40	1224.87	-4.66
165	106	133.52	1453.54	2.17e-03	0.0	0.0	-344.73	-0.98	5.59	-2.25	689.28	133.52
		0.09	689.28	-0.02	0.0	68.3	-326.49	-0.98	5.59	-2.25	1071.41	66.80
						136.7	-308.25	-0.98	5.59	-2.25	1453.54	0.09

Pilas.	M3 mx/mn	M2 mx/mn	D 2 / D 3	Q 2 / Q 3	N	V 2	V 3	T
	-2.748e+05	-1.616e+05	-1.56	0.0	-1.124e+04	-2364.22	-842.57	-2095.72
	3.007e+05	1.477e+05	1.47	0.0	2737.92	2223.08	1653.22	876.77

Trave	Cmb	M3 mx/mn	M2 mx/mn	D 2 / D 3	Q 2 / Q 3	Pos.	N	V 2	V 3	T	M 2	M 3
		daN cm	daN cm	cm	daN	cm	daN	daN	daN	daN cm	daN cm	daN cm
1	1	3617.59	0.0	0.0	-58.29	0.0	193.74	29.15	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	248.2	236.42	0.0	0.0	0.0	0.0	3617.59
						496.5	279.10	-29.15	0.0	0.0	0.0	0.0
1	18	3617.59	0.0	0.0	-58.29	0.0	381.95	29.15	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	248.2	424.62	0.0	0.0	0.0	0.0	3617.59
						496.5	467.30	-29.15	0.0	0.0	0.0	0.0
1	51	2782.76	0.0	0.0	-44.84	0.0	775.44	22.42	0.0	0.0	0.0	0.0

		0.0	0.0	0.0	0.0	248.2	808.27	0.0	0.0	0.0	0.0	2782.76
						496.5	841.10	-22.42	0.0	0.0	0.0	0.0
1	54	2782.76	0.0	0.0	-44.84	0.0	-779.49	22.42	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	248.2	-746.66	0.0	0.0	0.0	0.0	2782.76
						496.5	-713.83	-22.42	0.0	0.0	0.0	0.0
1	83	2782.76	0.0	0.0	-44.84	0.0	378.55	22.42	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	248.2	411.38	0.0	0.0	0.0	0.0	2782.76
						496.5	444.21	-22.42	0.0	0.0	0.0	0.0
1	86	2782.76	0.0	0.0	-44.84	0.0	-382.60	22.42	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	248.2	-349.77	0.0	0.0	0.0	0.0	2782.76
						496.5	-316.94	-22.42	0.0	0.0	0.0	0.0
1	87	2782.76	0.0	0.0	-44.84	0.0	128.21	22.42	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	248.2	161.04	0.0	0.0	0.0	0.0	2782.76
						496.5	193.87	-22.42	0.0	0.0	0.0	0.0
1	97	2782.76	0.0	0.0	-44.84	0.0	253.68	22.42	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	248.2	286.51	0.0	0.0	0.0	0.0	2782.76
						496.5	319.34	-22.42	0.0	0.0	0.0	0.0
1	98	2782.76	0.0	0.0	-44.84	0.0	-11.46	22.42	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	248.2	21.36	0.0	0.0	0.0	0.0	2782.76
						496.5	54.19	-22.42	0.0	0.0	0.0	0.0
1	104	2782.76	0.0	0.0	-44.84	0.0	44.53	22.42	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	248.2	77.36	0.0	0.0	0.0	0.0	2782.76
						496.5	110.19	-22.42	0.0	0.0	0.0	0.0
1	105	2782.76	0.0	0.0	-44.84	0.0	-11.46	22.42	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	248.2	21.36	0.0	0.0	0.0	0.0	2782.76
						496.5	54.19	-22.42	0.0	0.0	0.0	0.0
1	106	2782.76	0.0	0.0	-44.84	0.0	-2.02	22.42	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	248.2	30.80	0.0	0.0	0.0	0.0	2782.76
						496.5	63.63	-22.42	0.0	0.0	0.0	0.0
2	5	2782.76	0.0	0.0	-44.84	0.0	-249.32	22.42	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	248.2	-282.15	0.0	0.0	0.0	0.0	2782.76
						496.5	-314.98	-22.42	0.0	0.0	0.0	0.0
2	18	3617.59	0.0	0.0	-58.29	0.0	-482.63	29.15	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	248.2	-525.31	0.0	0.0	0.0	0.0	3617.59
						496.5	-567.98	-29.15	0.0	0.0	0.0	0.0
2	51	2782.76	0.0	0.0	-44.84	0.0	-855.68	22.42	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	248.2	-888.51	0.0	0.0	0.0	0.0	2782.76
						496.5	-921.33	-22.42	0.0	0.0	0.0	0.0
2	54	2782.76	0.0	0.0	-44.84	0.0	642.17	22.42	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	248.2	609.34	0.0	0.0	0.0	0.0	2782.76
						496.5	576.51	-22.42	0.0	0.0	0.0	0.0
2	83	2782.76	0.0	0.0	-44.84	0.0	-473.79	22.42	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	248.2	-506.62	0.0	0.0	0.0	0.0	2782.76
						496.5	-539.45	-22.42	0.0	0.0	0.0	0.0
2	86	2782.76	0.0	0.0	-44.84	0.0	260.29	22.42	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	248.2	227.46	0.0	0.0	0.0	0.0	2782.76
						496.5	194.63	-22.42	0.0	0.0	0.0	0.0
2	87	2782.76	0.0	0.0	-44.84	0.0	-198.22	22.42	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	248.2	-231.05	0.0	0.0	0.0	0.0	2782.76
						496.5	-263.88	-22.42	0.0	0.0	0.0	0.0
2	97	2782.76	0.0	0.0	-44.84	0.0	-333.27	22.42	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	248.2	-366.09	0.0	0.0	0.0	0.0	2782.76
						496.5	-398.92	-22.42	0.0	0.0	0.0	0.0
2	98	2782.76	0.0	0.0	-44.84	0.0	-93.26	22.42	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	248.2	-126.09	0.0	0.0	0.0	0.0	2782.76
						496.5	-158.92	-22.42	0.0	0.0	0.0	0.0
2	104	2782.76	0.0	0.0	-44.84	0.0	-141.74	22.42	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	248.2	-174.57	0.0	0.0	0.0	0.0	2782.76
						496.5	-207.40	-22.42	0.0	0.0	0.0	0.0
2	105	2782.76	0.0	0.0	-44.84	0.0	-93.26	22.42	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	248.2	-126.09	0.0	0.0	0.0	0.0	2782.76
						496.5	-158.92	-22.42	0.0	0.0	0.0	0.0
2	106	2782.76	0.0	0.0	-44.84	0.0	-106.75	22.42	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	248.2	-139.58	0.0	0.0	0.0	0.0	2782.76
						496.5	-172.41	-22.42	0.0	0.0	0.0	0.0
3	5	2970.60	0.0	0.0	-44.84	0.0	-938.25	22.42	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	265.0	-974.28	0.0	0.0	0.0	0.0	2970.60
						530.0	-1010.31	-22.42	0.0	0.0	0.0	0.0
3	18	3861.78	0.0	0.0	-58.29	0.0	-1936.92	29.15	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	265.0	-1983.76	0.0	0.0	0.0	0.0	3861.78
						530.0	-2030.61	-29.15	0.0	0.0	0.0	0.0
3	51	2970.60	0.0	0.0	-44.84	0.0	-2059.66	22.42	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	265.0	-2095.69	0.0	0.0	0.0	0.0	2970.60
						530.0	-2131.73	-22.42	0.0	0.0	0.0	0.0
3	54	2970.60	0.0	0.0	-44.84	0.0	1246.01	22.42	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	265.0	1209.97	0.0	0.0	0.0	0.0	2970.60
						530.0	1173.94	-22.42	0.0	0.0	0.0	0.0

3	83	2970.60	0.0	0.0	-44.84	0.0	-1219.07	22.42	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	265.0	-1255.10	0.0	0.0	0.0	0.0	2970.60
						530.0	-1291.13	-22.42	0.0	0.0	0.0	0.0
3	86	2970.60	0.0	0.0	-44.84	0.0	405.41	22.42	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	265.0	369.38	0.0	0.0	0.0	0.0	2970.60
						530.0	333.35	-22.42	0.0	0.0	0.0	0.0
3	87	2970.60	0.0	0.0	-44.84	0.0	-725.89	22.42	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	265.0	-761.93	0.0	0.0	0.0	0.0	2970.60
						530.0	-797.96	-22.42	0.0	0.0	0.0	0.0
3	97	2970.60	0.0	0.0	-44.84	0.0	-1323.49	22.42	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	265.0	-1359.52	0.0	0.0	0.0	0.0	2970.60
						530.0	-1395.55	-22.42	0.0	0.0	0.0	0.0
3	98	2970.60	0.0	0.0	-44.84	0.0	-284.15	22.42	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	265.0	-320.18	0.0	0.0	0.0	0.0	2970.60
						530.0	-356.21	-22.42	0.0	0.0	0.0	0.0
3	104	2970.60	0.0	0.0	-44.84	0.0	-554.08	22.42	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	265.0	-590.11	0.0	0.0	0.0	0.0	2970.60
						530.0	-626.14	-22.42	0.0	0.0	0.0	0.0
3	105	2970.60	0.0	0.0	-44.84	0.0	-284.15	22.42	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	265.0	-320.18	0.0	0.0	0.0	0.0	2970.60
						530.0	-356.21	-22.42	0.0	0.0	0.0	0.0
3	106	2970.60	0.0	0.0	-44.84	0.0	-406.83	22.42	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	265.0	-442.86	0.0	0.0	0.0	0.0	2970.60
						530.0	-478.89	-22.42	0.0	0.0	0.0	0.0
4	9	3861.78	0.0	0.0	-58.29	0.0	655.70	29.15	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	265.0	702.54	0.0	0.0	0.0	0.0	3861.78
						530.0	749.38	-29.15	0.0	0.0	0.0	0.0
4	17	3861.78	0.0	0.0	-58.29	0.0	1558.30	29.15	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	265.0	1605.14	0.0	0.0	0.0	0.0	3861.78
						530.0	1651.98	-29.15	0.0	0.0	0.0	0.0
4	51	2970.60	0.0	0.0	-44.84	0.0	1753.33	22.42	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	265.0	1789.36	0.0	0.0	0.0	0.0	2970.60
						530.0	1825.39	-22.42	0.0	0.0	0.0	0.0
4	54	2970.60	0.0	0.0	-44.84	0.0	-1637.28	22.42	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	265.0	-1601.25	0.0	0.0	0.0	0.0	2970.60
						530.0	-1565.22	-22.42	0.0	0.0	0.0	0.0
4	83	2970.60	0.0	0.0	-44.84	0.0	891.95	22.42	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	265.0	927.98	0.0	0.0	0.0	0.0	2970.60
						530.0	964.01	-22.42	0.0	0.0	0.0	0.0
4	86	2970.60	0.0	0.0	-44.84	0.0	-775.90	22.42	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	265.0	-739.87	0.0	0.0	0.0	0.0	2970.60
						530.0	-703.84	-22.42	0.0	0.0	0.0	0.0
4	91	2970.60	0.0	0.0	-44.84	0.0	432.12	22.42	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	265.0	468.15	0.0	0.0	0.0	0.0	2970.60
						530.0	504.18	-22.42	0.0	0.0	0.0	0.0
4	96	2970.60	0.0	0.0	-44.84	0.0	1033.85	22.42	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	265.0	1069.88	0.0	0.0	0.0	0.0	2970.60
						530.0	1105.92	-22.42	0.0	0.0	0.0	0.0
4	100	2970.60	0.0	0.0	-44.84	0.0	-54.17	22.42	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	265.0	-18.14	0.0	0.0	0.0	0.0	2970.60
						530.0	17.89	-22.42	0.0	0.0	0.0	0.0
4	104	2970.60	0.0	0.0	-44.84	0.0	224.06	22.42	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	265.0	260.09	0.0	0.0	0.0	0.0	2970.60
						530.0	296.12	-22.42	0.0	0.0	0.0	0.0
4	105	2970.60	0.0	0.0	-44.84	0.0	-51.22	22.42	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	265.0	-15.19	0.0	0.0	0.0	0.0	2970.60
						530.0	20.84	-22.42	0.0	0.0	0.0	0.0
4	106	2970.60	0.0	0.0	-44.84	0.0	58.02	22.42	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	265.0	94.06	0.0	0.0	0.0	0.0	2970.60
						530.0	130.09	-22.42	0.0	0.0	0.0	0.0
5	7	2106.40	0.0	0.0	-36.03	0.0	-187.20	18.02	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	233.8	-220.03	0.0	0.0	0.0	0.0	2106.40
						467.7	-252.86	-18.02	0.0	0.0	0.0	0.0
5	16	2738.32	0.0	0.0	-46.84	0.0	-389.71	23.42	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	233.8	-432.38	1.15e-06	0.0	0.0	0.0	2738.32
						467.7	-475.06	-23.42	0.0	0.0	0.0	0.0
5	51	2106.40	0.0	0.0	-36.03	0.0	-675.19	18.02	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	233.8	-708.02	0.0	0.0	0.0	0.0	2106.40
						467.7	-740.85	-18.02	0.0	0.0	0.0	0.0
5	54	2106.40	0.0	0.0	-36.03	0.0	627.55	18.02	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	233.8	594.73	0.0	0.0	0.0	0.0	2106.40
						467.7	561.90	-18.02	0.0	0.0	0.0	0.0
5	83	2106.40	0.0	0.0	-36.03	0.0	-340.38	18.02	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	233.8	-373.21	0.0	0.0	0.0	0.0	2106.40
						467.7	-406.04	-18.02	0.0	0.0	0.0	0.0
5	86	2106.40	0.0	0.0	-36.03	0.0	292.75	18.02	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	233.8	259.92	0.0	0.0	0.0	0.0	2106.40

						467.7	227.09	-18.02	0.0	0.0	0.0	0.0
5	89	2106.40	0.0	0.0	-36.03	0.0	-137.42	18.02	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	233.8	-170.25	0.0	0.0	0.0	0.0	2106.40
						467.7	-203.08	-18.02	0.0	0.0	0.0	0.0
5	95	2106.40	0.0	0.0	-36.03	0.0	-261.58	18.02	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	233.8	-294.41	0.0	0.0	0.0	0.0	2106.40
						467.7	-327.24	-18.02	0.0	0.0	0.0	0.0
5	99	2106.40	0.0	0.0	-36.03	0.0	-19.13	18.02	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	233.8	-51.96	0.0	0.0	0.0	0.0	2106.40
						467.7	-84.79	-18.02	0.0	0.0	0.0	0.0
5	103	2106.40	0.0	0.0	-36.03	0.0	-74.19	18.02	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	233.8	-107.02	0.0	0.0	0.0	0.0	2106.40
						467.7	-139.84	-18.02	0.0	0.0	0.0	0.0
5	105	2106.40	0.0	0.0	-36.03	0.0	-30.85	18.02	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	233.8	-63.68	0.0	0.0	0.0	0.0	2106.40
						467.7	-96.51	-18.02	0.0	0.0	0.0	0.0
5	106	2106.40	0.0	0.0	-36.03	0.0	-23.82	18.02	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	233.8	-56.65	0.0	0.0	0.0	0.0	2106.40
						467.7	-89.48	-18.02	0.0	0.0	0.0	0.0
6	7	2106.40	0.0	0.0	-36.03	0.0	164.71	18.02	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	233.8	197.54	0.0	0.0	0.0	0.0	2106.40
						467.7	230.37	-18.02	0.0	0.0	0.0	0.0
6	16	2738.32	0.0	0.0	-46.84	0.0	354.04	23.42	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	233.8	396.72	1.15e-06	0.0	0.0	0.0	2738.32
						467.7	439.40	-23.42	0.0	0.0	0.0	0.0
6	51	2106.40	0.0	0.0	-36.03	0.0	681.63	18.02	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	233.8	714.45	0.0	0.0	0.0	0.0	2106.40
						467.7	747.28	-18.02	0.0	0.0	0.0	0.0
6	54	2106.40	0.0	0.0	-36.03	0.0	-731.25	18.02	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	233.8	-698.42	0.0	0.0	0.0	0.0	2106.40
						467.7	-665.60	-18.02	0.0	0.0	0.0	0.0
6	83	2106.40	0.0	0.0	-36.03	0.0	318.59	18.02	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	233.8	351.42	0.0	0.0	0.0	0.0	2106.40
						467.7	384.24	-18.02	0.0	0.0	0.0	0.0
6	86	2106.40	0.0	0.0	-36.03	0.0	-368.21	18.02	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	233.8	-335.39	0.0	0.0	0.0	0.0	2106.40
						467.7	-302.56	-18.02	0.0	0.0	0.0	0.0
6	89	2106.40	0.0	0.0	-36.03	0.0	105.57	18.02	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	233.8	138.40	0.0	0.0	0.0	0.0	2106.40
						467.7	171.23	-18.02	0.0	0.0	0.0	0.0
6	95	2106.40	0.0	0.0	-36.03	0.0	231.56	18.02	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	233.8	264.39	0.0	0.0	0.0	0.0	2106.40
						467.7	297.22	-18.02	0.0	0.0	0.0	0.0
6	99	2106.40	0.0	0.0	-36.03	0.0	-28.92	18.02	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	233.8	3.91	0.0	0.0	0.0	0.0	2106.40
						467.7	36.74	-18.02	0.0	0.0	0.0	0.0
6	103	2106.40	0.0	0.0	-36.03	0.0	29.59	18.02	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	233.8	62.41	0.0	0.0	0.0	0.0	2106.40
						467.7	95.24	-18.02	0.0	0.0	0.0	0.0
6	105	2106.40	0.0	0.0	-36.03	0.0	-18.66	18.02	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	233.8	14.17	0.0	0.0	0.0	0.0	2106.40
						467.7	47.00	-18.02	0.0	0.0	0.0	0.0
6	106	2106.40	0.0	0.0	-36.03	0.0	-24.81	18.02	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	233.8	8.02	0.0	0.0	0.0	0.0	2106.40
						467.7	40.84	-18.02	0.0	0.0	0.0	0.0
7	12	2266.00	0.0	0.0	-36.03	0.0	599.30	18.02	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	251.6	635.33	0.0	0.0	0.0	0.0	2266.00
						503.1	671.36	-18.02	0.0	0.0	0.0	0.0
7	17	2945.80	0.0	0.0	-46.84	0.0	1354.78	23.42	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	251.6	1401.63	1.15e-06	0.0	0.0	0.0	2945.80
						503.1	1448.47	-23.42	0.0	0.0	0.0	0.0
7	51	2266.00	0.0	0.0	-36.03	0.0	1690.43	18.02	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	251.6	1726.46	0.0	0.0	0.0	0.0	2266.00
						503.1	1762.49	-18.02	0.0	0.0	0.0	0.0
7	54	2266.00	0.0	0.0	-36.03	0.0	-1523.12	18.02	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	251.6	-1487.09	0.0	0.0	0.0	0.0	2266.00
						503.1	-1451.06	-18.02	0.0	0.0	0.0	0.0
7	83	2266.00	0.0	0.0	-36.03	0.0	873.24	18.02	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	251.6	909.27	0.0	0.0	0.0	0.0	2266.00
						503.1	945.30	-18.02	0.0	0.0	0.0	0.0
7	86	2266.00	0.0	0.0	-36.03	0.0	-705.92	18.02	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	251.6	-669.89	0.0	0.0	0.0	0.0	2266.00
						503.1	-633.86	-18.02	0.0	0.0	0.0	0.0
7	91	2266.00	0.0	0.0	-36.03	0.0	399.07	18.02	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	251.6	435.11	0.0	0.0	0.0	0.0	2266.00
						503.1	471.14	-18.02	0.0	0.0	0.0	0.0
7	96	2266.00	0.0	0.0	-36.03	0.0	899.36	18.02	0.0	0.0	0.0	0.0

		0.0	0.0	0.0	0.0	251.6	935.39	0.0	0.0	0.0	0.0	2266.00
						503.1	971.42	-18.02	0.0	0.0	0.0	0.0
7	100	2266.00	0.0	0.0	-36.03	0.0	-10.57	18.02	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	251.6	25.46	0.0	0.0	0.0	0.0	2266.00
						503.1	61.49	-18.02	0.0	0.0	0.0	0.0
7	104	2266.00	0.0	0.0	-36.03	0.0	222.04	18.02	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	251.6	258.07	0.0	0.0	0.0	0.0	2266.00
						503.1	294.10	-18.02	0.0	0.0	0.0	0.0
7	105	2266.00	0.0	0.0	-36.03	0.0	-9.20	18.02	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	251.6	26.84	0.0	0.0	0.0	0.0	2266.00
						503.1	62.87	-18.02	0.0	0.0	0.0	0.0
7	106	2266.00	0.0	0.0	-36.03	0.0	83.66	18.02	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	251.6	119.69	0.0	0.0	0.0	0.0	2266.00
						503.1	155.72	-18.02	0.0	0.0	0.0	0.0
8	5	2266.00	0.0	0.0	-36.03	0.0	-756.96	18.02	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	251.6	-792.99	0.0	0.0	0.0	0.0	2266.00
						503.1	-829.02	-18.02	0.0	0.0	0.0	0.0
8	18	2945.80	0.0	0.0	-46.84	0.0	-1554.21	23.42	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	251.6	-1601.05	1.15e-06	0.0	0.0	0.0	2945.80
						503.1	-1647.89	-23.42	0.0	0.0	0.0	0.0
8	51	2266.00	0.0	0.0	-36.03	0.0	-1746.65	18.02	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	251.6	-1782.68	0.0	0.0	0.0	0.0	2266.00
						503.1	-1818.71	-18.02	0.0	0.0	0.0	0.0
8	54	2266.00	0.0	0.0	-36.03	0.0	1213.13	18.02	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	251.6	1177.10	0.0	0.0	0.0	0.0	2266.00
						503.1	1141.07	-18.02	0.0	0.0	0.0	0.0
8	83	2266.00	0.0	0.0	-36.03	0.0	-995.60	18.02	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	251.6	-1031.63	0.0	0.0	0.0	0.0	2266.00
						503.1	-1067.67	-18.02	0.0	0.0	0.0	0.0
8	86	2266.00	0.0	0.0	-36.03	0.0	462.09	18.02	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	251.6	426.06	0.0	0.0	0.0	0.0	2266.00
						503.1	390.03	-18.02	0.0	0.0	0.0	0.0
8	87	2266.00	0.0	0.0	-36.03	0.0	-564.85	18.02	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	251.6	-600.88	0.0	0.0	0.0	0.0	2266.00
						503.1	-636.91	-18.02	0.0	0.0	0.0	0.0
8	97	2266.00	0.0	0.0	-36.03	0.0	-1055.45	18.02	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	251.6	-1091.48	0.0	0.0	0.0	0.0	2266.00
						503.1	-1127.51	-18.02	0.0	0.0	0.0	0.0
8	98	2266.00	0.0	0.0	-36.03	0.0	-170.40	18.02	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	251.6	-206.43	0.0	0.0	0.0	0.0	2266.00
						503.1	-242.46	-18.02	0.0	0.0	0.0	0.0
8	104	2266.00	0.0	0.0	-36.03	0.0	-398.24	18.02	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	251.6	-434.27	0.0	0.0	0.0	0.0	2266.00
						503.1	-470.30	-18.02	0.0	0.0	0.0	0.0
8	105	2266.00	0.0	0.0	-36.03	0.0	-170.40	18.02	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	251.6	-206.43	0.0	0.0	0.0	0.0	2266.00
						503.1	-242.46	-18.02	0.0	0.0	0.0	0.0
8	106	2266.00	0.0	0.0	-36.03	0.0	-266.76	18.02	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	251.6	-302.79	0.0	0.0	0.0	0.0	2266.00
						503.1	-338.82	-18.02	0.0	0.0	0.0	0.0
9	11	4502.66	0.0	0.0	-85.35	0.0	-1522.33	42.68	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	211.0	-1532.74	1.33e-06	0.0	0.0	0.0	4502.66
						422.0	-1543.15	-42.68	0.0	0.0	0.0	0.0
9	19	3463.58	0.0	0.0	-65.66	0.0	-534.55	32.83	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	211.0	-542.55	1.02e-06	0.0	0.0	0.0	3463.58
						422.0	-550.56	-32.83	0.0	0.0	0.0	0.0
9	44	3463.58	0.0	0.0	-65.66	0.0	1532.89	32.83	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	211.0	1524.88	1.02e-06	0.0	0.0	0.0	3463.58
						422.0	1516.87	-32.83	0.0	0.0	0.0	0.0
9	45	3463.58	0.0	0.0	-65.66	0.0	-3063.30	32.83	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	211.0	-3071.31	1.02e-06	0.0	0.0	0.0	3463.58
						422.0	-3079.31	-32.83	0.0	0.0	0.0	0.0
9	76	3463.58	0.0	0.0	-65.66	0.0	251.80	32.83	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	211.0	243.79	1.02e-06	0.0	0.0	0.0	3463.58
						422.0	235.79	-32.83	0.0	0.0	0.0	0.0
9	77	3463.58	0.0	0.0	-65.66	0.0	-1782.22	32.83	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	211.0	-1790.22	1.02e-06	0.0	0.0	0.0	3463.58
						422.0	-1798.23	-32.83	0.0	0.0	0.0	0.0
9	93	3463.58	0.0	0.0	-65.66	0.0	-1102.23	32.83	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	211.0	-1110.24	1.02e-06	0.0	0.0	0.0	3463.58
						422.0	-1118.25	-32.83	0.0	0.0	0.0	0.0
9	94	3463.58	0.0	0.0	-65.66	0.0	-623.19	32.83	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	211.0	-631.20	1.02e-06	0.0	0.0	0.0	3463.58
						422.0	-639.20	-32.83	0.0	0.0	0.0	0.0
9	102	3463.58	0.0	0.0	-65.66	0.0	-847.23	32.83	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	211.0	-855.24	1.02e-06	0.0	0.0	0.0	3463.58
						422.0	-863.24	-32.83	0.0	0.0	0.0	0.0

9	103	3463.58	0.0	0.0	-65.66	0.0	-731.79	32.83	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	211.0	-739.79	1.02e-06	0.0	0.0	0.0	3463.58
						422.0	-747.80	-32.83	0.0	0.0	0.0	0.0
9	105	3463.58	0.0	0.0	-65.66	0.0	-758.94	32.83	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	211.0	-766.94	1.02e-06	0.0	0.0	0.0	3463.58
						422.0	-774.95	-32.83	0.0	0.0	0.0	0.0
9	106	3463.58	0.0	0.0	-65.66	0.0	-765.21	32.83	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	211.0	-773.21	1.02e-06	0.0	0.0	0.0	3463.58
						422.0	-781.22	-32.83	0.0	0.0	0.0	0.0
14	3	4.052e+04	373.84	0.43	-612.88	0.0	926.37	16.99	1.37	-82.40	181.64	4.052e+04
		0.0	181.64	0.12	0.0	70.0	926.37	-289.45	1.37	-82.40	277.74	3.099e+04
						140.0	926.37	-595.89	1.37	-82.40	373.84	0.0
14	4	4.037e+04	372.29	0.43	-612.88	0.0	928.64	18.05	1.37	-82.01	180.56	4.037e+04
		0.0	180.56	0.12	0.0	70.0	928.64	-288.39	1.37	-82.01	276.42	3.091e+04
						140.0	928.64	-594.83	1.37	-82.01	372.29	0.0
14	7	3.834e+04	334.67	0.40	-581.81	0.0	865.02	17.08	1.18	-77.20	169.41	3.834e+04
		0.0	169.41	0.12	0.0	70.0	865.02	-273.83	1.18	-77.20	252.04	2.935e+04
						140.0	865.02	-564.73	1.18	-77.20	334.67	0.0
14	19	8613.33	-6.06	0.09	-77.81	0.0	122.98	-22.62	-1.61	-2.83	-6.06	8613.33
		0.0	-231.21	0.04	0.0	70.0	122.98	-61.52	-1.61	-2.83	-118.64	5668.38
						140.0	122.98	-100.43	-1.61	-2.83	-231.21	0.0
14	20	8465.60	-7.14	0.08	-77.81	0.0	125.25	-21.56	-1.61	-2.44	-7.14	8465.60
		0.0	-232.77	0.04	0.0	70.0	125.25	-60.47	-1.61	-2.44	-119.96	5594.51
						140.0	125.25	-99.37	-1.61	-2.44	-232.77	0.0
14	28	1.667e+04	1.383e+04	0.10	-181.97	0.0	241.60	-28.09	103.86	255.53	-577.66	1.667e+04
		0.0	-577.66	-0.14	0.0	70.0	241.60	-119.08	103.86	255.53	6624.59	1.152e+04
						140.0	241.60	-210.07	103.86	255.53	1.383e+04	0.0
14	29	7959.36	709.79	0.17	-181.97	0.0	394.38	38.07	-102.08	-312.89	709.79	7407.75
		0.0	-1.344e+04	0.20	0.0	70.0	394.38	-52.91	-102.08	-312.89	-6367.57	6888.39
						140.0	394.38	-143.90	-102.08	-312.89	-1.344e+04	0.0
14	44	647.13	7997.20	0.05	-181.97	0.0	587.50	140.74	58.27	-138.19	254.20	-6965.03
		-6965.03	254.20	0.58	0.0	70.0	587.50	49.75	58.27	-138.19	4125.70	-298.00
						140.0	587.50	-41.24	58.27	-138.19	7997.20	0.0
14	45	3.104e+04	-122.07	0.22	-181.97	0.0	48.48	-130.76	-56.48	80.83	-122.07	3.104e+04
		0.0	-7615.29	-0.51	0.0	70.0	48.48	-221.74	-56.48	80.83	-3868.68	1.871e+04
						140.0	48.48	-312.73	-56.48	80.83	-7615.29	0.0
14	60	1.422e+04	6721.09	0.12	-181.97	0.0	281.61	-10.61	50.25	108.40	-244.23	1.422e+04
		0.0	-244.23	-0.06	0.0	70.0	281.61	-101.60	50.25	108.40	3238.43	1.030e+04
						140.0	281.61	-192.58	50.25	108.40	6721.09	0.0
14	61	1.002e+04	376.36	0.15	-181.97	0.0	354.37	20.59	-48.47	-165.76	376.36	9855.13
		0.0	-6339.18	0.11	0.0	70.0	354.37	-70.39	-48.47	-165.76	-2981.41	8112.07
						140.0	354.37	-161.38	-48.47	-165.76	-6339.18	0.0
14	63	8733.27	4558.69	0.12	-181.97	0.0	381.61	31.27	34.34	182.06	-382.01	8360.26
		0.0	-382.01	-0.15	0.0	70.0	381.61	-59.72	34.34	182.06	2088.34	7364.64
						140.0	381.61	-150.70	34.34	182.06	4558.69	0.0
14	76	5040.05	3831.30	0.10	-181.97	0.0	437.72	67.51	27.82	-76.71	149.88	3287.32
		0.0	149.88	0.28	0.0	70.0	437.72	-23.48	27.82	-76.71	1990.59	4828.17
						140.0	437.72	-114.47	27.82	-76.71	3831.30	0.0
14	77	2.079e+04	-17.74	0.17	-181.97	0.0	198.26	-57.52	-26.03	19.35	-17.74	2.079e+04
		0.0	-3449.39	-0.21	0.0	70.0	198.26	-148.51	-26.03	19.35	-1733.57	1.358e+04
						140.0	198.26	-239.50	-26.03	19.35	-3449.39	0.0
14	89	2.765e+04	260.51	0.29	-417.17	0.0	637.55	11.07	0.97	-56.64	124.98	2.765e+04
		0.0	124.98	0.08	0.0	70.0	637.55	-197.52	0.97	-56.64	192.74	2.113e+04
						140.0	637.55	-406.11	0.97	-56.64	260.51	0.0
14	90	2.755e+04	259.47	0.29	-417.17	0.0	639.06	11.77	0.97	-56.37	124.25	2.755e+04
		0.0	124.25	0.08	0.0	70.0	639.06	-196.82	0.97	-56.37	191.86	2.108e+04
						140.0	639.06	-405.40	0.97	-56.37	259.47	0.0
14	94	7837.81	8.00	0.08	-81.17	0.0	142.86	-15.40	-0.89	-7.06	8.00	7837.81
		0.0	-116.75	0.03	0.0	70.0	142.86	-55.98	-0.89	-7.06	-54.37	5339.42
						140.0	142.86	-96.57	-0.89	-7.06	-116.75	0.0
14	95	7739.33	7.28	0.08	-81.17	0.0	144.37	-14.69	-0.89	-6.80	7.28	7739.33
		0.0	-117.78	0.03	0.0	70.0	144.37	-55.28	-0.89	-6.80	-55.25	5290.17
						140.0	144.37	-95.87	-0.89	-6.80	-117.78	0.0
14	99	1.617e+04	248.72	0.18	-249.17	0.0	414.50	9.15	1.15	-37.98	87.37	1.616e+04
		0.0	87.37	0.05	0.0	70.0	414.50	-115.43	1.15	-37.98	168.05	1.244e+04
						140.0	414.50	-240.02	1.15	-37.98	248.72	0.0
14	103	6253.35	60.10	0.07	-81.17	0.0	167.15	-4.08	0.22	-13.19	28.88	6253.35
		0.0	28.88	0.02	0.0	70.0	167.15	-44.67	0.22	-13.19	44.49	4547.18
						140.0	167.15	-85.25	0.22	-13.19	60.10	0.0
14	105	5857.23	104.31	0.07	-81.17	0.0	173.23	-1.25	0.50	-14.73	34.11	5857.23
		0.0	34.11	0.02	0.0	70.0	173.23	-41.84	0.50	-14.73	69.21	4349.13
						140.0	173.23	-82.42	0.50	-14.73	104.31	0.0
14	106	1.204e+04	190.96	0.13	-181.97	0.0	317.99	4.99	0.89	-28.68	66.07	1.204e+04
		0.0	66.07	0.03	0.0	70.0	317.99	-86.00	0.89	-28.68	128.51	9204.21
						140.0	317.99	-176.98	0.89	-28.68	190.96	0.0
16	9	4270.05	2272.38	6.51e-03	-483.45	0.0	75.82	206.66	-22.97	-1.16	2272.38	-3322.86
		-9354.64	-1678.52	0.03	0.0	86.0	75.82	-35.07	-22.97	-1.16	296.93	4055.48

						172.0	75.82	-276.79	-22.97	-1.16	-1678.52	-9354.64
16	11	3517.46	2370.62	7.30e-03	-483.45	0.0	97.86	199.44	-24.14	-1.03	2370.62	-3532.69
		-1.081e+04	-1781.40	0.01	0.0	86.0	97.86	-42.28	-24.14	-1.03	294.61	3225.35
						172.0	97.86	-284.01	-24.14	-1.03	-1781.40	-1.081e+04
16	19	1582.06	979.33	3.30e-03	-195.25	0.0	35.70	80.12	-5.79	1.10	979.33	-1232.70
		-4244.02	-17.15	0.06	0.0	86.0	35.70	-17.51	-5.79	1.10	481.09	1459.45
						172.0	35.70	-115.13	-5.79	1.10	-17.15	-4244.02
16	24	9352.76	9962.07	-4.40e-03	-202.36	0.0	-8.79	226.77	102.39	-15.83	-7722.83	-1.226e+04
		-1.226e+04	-7722.83	-0.14	0.0	86.0	-8.79	125.59	102.39	-15.83	1119.62	2895.67
						172.0	-8.79	24.41	102.39	-15.83	9962.07	9352.76
16	25	9321.19	9800.30	9.88e-03	-202.36	0.0	99.46	-61.99	-126.44	13.91	9800.30	9321.19
		-1.876e+04	-1.202e+04	0.12	0.0	86.0	99.46	-163.17	-126.44	13.91	-1110.43	-367.95
						172.0	99.46	-264.35	-126.44	13.91	-1.202e+04	-1.876e+04
16	31	6421.17	1017.01	-6.90e-03	-202.36	0.0	-137.83	196.25	4.25	-21.63	-127.69	-9943.28
		-9943.28	-127.69	-0.32	0.0	86.0	-137.83	95.07	4.25	-21.63	444.66	2589.60
						172.0	-137.83	-6.10	4.25	-21.63	1017.01	6421.17
16	34	7001.74	2205.16	0.01	-202.36	0.0	228.49	-31.48	-28.30	19.72	2205.16	7001.74
		-1.583e+04	-3076.09	0.29	0.0	86.0	228.49	-132.66	-28.30	19.72	-435.47	-61.88
						172.0	228.49	-233.83	-28.30	19.72	-3076.09	-1.583e+04
16	44	1.957e+04	6790.18	-0.02	-202.36	0.0	119.11	329.83	76.97	14.07	-6712.22	-1.978e+04
		-1.978e+04	-6712.22	0.20	0.0	86.0	119.11	228.65	76.97	14.07	38.98	4243.57
						172.0	119.11	127.47	76.97	14.07	6790.18	1.957e+04
16	45	1.684e+04	8789.69	0.02	-202.36	0.0	-28.44	-165.06	-101.02	-15.98	8789.69	1.684e+04
		-2.897e+04	-8849.26	-0.23	0.0	86.0	-28.44	-266.23	-101.02	-15.98	-29.79	-1715.85
						172.0	-28.44	-367.41	-101.02	-15.98	-8849.26	-2.897e+04
16	57	3424.53	5300.11	6.22e-03	-202.36	0.0	71.25	18.90	-67.63	6.32	5300.11	3289.75
		-1.087e+04	-6368.49	0.05	0.0	86.0	71.25	-82.27	-67.63	6.32	-534.19	561.18
						172.0	71.25	-183.45	-67.63	6.32	-6368.49	-1.087e+04
16	63	2290.50	487.00	-2.01e-03	-202.36	0.0	-41.95	133.97	-4.42	-10.63	487.00	-5329.38
		-5329.38	-73.30	-0.15	0.0	86.0	-41.95	32.79	-4.42	-10.63	206.85	1843.85
						172.0	-41.95	-68.39	-4.42	-10.63	-73.30	315.76
16	66	2777.60	1590.47	7.96e-03	-202.36	0.0	132.61	30.81	-19.63	8.72	1590.47	2387.84
		-9721.41	-1985.78	0.13	0.0	86.0	132.61	-70.37	-19.63	8.72	-197.65	683.87
						172.0	132.61	-171.55	-19.63	8.72	-1985.78	-9721.41
16	73	5664.32	5359.88	9.88e-03	-202.36	0.0	0.86	-13.77	-63.30	-7.05	5359.88	5664.32
		-1.412e+04	-5593.54	-0.10	0.0	86.0	0.86	-114.95	-63.30	-7.05	-116.83	125.07
						172.0	0.86	-216.12	-63.30	-7.05	-5593.54	-1.412e+04
16	77	6522.60	4848.85	0.01	-202.36	0.0	8.94	-25.45	-55.74	-7.96	4848.85	6522.60
		-1.527e+04	-4864.68	-0.10	0.0	86.0	8.94	-126.63	-55.74	-7.96	-7.92	-21.68
						172.0	8.94	-227.81	-55.74	-7.96	-4864.68	-1.527e+04
16	91	3031.34	1629.39	4.74e-03	-344.54	0.0	54.79	146.91	-16.63	-0.89	1629.39	-2351.99
		-6714.50	-1231.43	0.02	0.0	86.0	54.79	-25.36	-16.63	-0.89	198.98	2874.43
						172.0	54.79	-197.63	-16.63	-0.89	-1231.43	-6714.50
16	93	2529.62	1694.88	5.27e-03	-344.54	0.0	69.48	142.10	-17.41	-0.80	1694.88	-2491.87
		-7681.45	-1300.02	6.14e-03	0.0	86.0	69.48	-30.17	-17.41	-0.80	197.43	2321.01
						172.0	69.48	-202.44	-17.41	-0.80	-1300.02	-7681.45
16	94	1622.76	1010.06	3.43e-03	-202.36	0.0	37.77	83.68	-8.00	0.38	1010.06	-1343.44
		-4352.54	-365.75	0.04	0.0	86.0	37.77	-17.49	-8.00	0.38	322.16	1502.67
						172.0	37.77	-118.67	-8.00	0.38	-365.75	-4352.54
16	99	1267.37	1057.45	3.92e-03	-202.36	0.0	49.53	81.01	-12.25	-0.93	1057.45	-1510.74
		-4979.10	-1049.14	-0.02	0.0	86.0	49.53	-20.16	-12.25	-0.93	4.16	1105.74
						172.0	49.53	-121.34	-12.25	-0.93	-1049.14	-4979.10
16	100	1895.42	1134.48	3.77e-03	-230.79	0.0	42.34	97.03	-13.12	-1.14	1134.48	-1607.14
		-4765.94	-1122.53	-8.45e-03	0.0	86.0	42.34	-18.37	-13.12	-1.14	5.98	1775.52
						172.0	42.34	-133.76	-13.12	-1.14	-1122.53	-4765.94
16	102	1680.39	1162.55	3.99e-03	-230.79	0.0	48.63	94.97	-13.46	-1.10	1162.55	-1667.09
		-5180.35	-1151.92	-0.01	0.0	86.0	48.63	-20.43	-13.46	-1.10	5.31	1538.34
						172.0	48.63	-135.82	-13.46	-1.10	-1151.92	-5180.35
16	103	1614.88	1010.55	3.49e-03	-202.36	0.0	38.78	84.30	-10.95	-0.72	1010.55	-1397.34
		-4301.24	-873.26	1.14e-03	0.0	86.0	38.78	-16.88	-10.95	-0.72	68.64	1501.37
						172.0	38.78	-118.06	-10.95	-0.72	-873.26	-4301.24
16	105	1612.91	1010.67	3.51e-03	-202.36	0.0	39.03	84.45	-11.69	-1.00	1010.67	-1410.82
		-4288.42	-1000.14	-8.15e-03	0.0	86.0	39.03	-16.73	-11.69	-1.00	5.26	1501.04
						172.0	39.03	-117.91	-11.69	-1.00	-1000.14	-4288.42
16	106	1397.89	1038.73	3.74e-03	-202.36	0.0	45.33	82.39	-12.02	-0.96	1038.73	-1470.77
		-4702.82	-1029.54	-0.01	0.0	86.0	45.33	-18.79	-12.02	-0.96	4.60	1263.86
						172.0	45.33	-119.97	-12.02	-0.96	-1029.54	-4702.82
17	3	1.571e+04	-23.44	0.01	-851.58	0.0	-235.60	447.46	-0.89	2.02	-23.44	-3559.41
		-3559.41	-169.89	6.83e-03	0.0	82.2	-497.16	21.66	-0.89	2.02	-96.67	1.571e+04
						164.3	-758.72	-404.13	-0.89	2.02	-169.89	0.0
17	4	1.569e+04	-24.10	0.01	-851.58	0.0	-249.09	447.68	-0.86	1.86	-24.10	-3596.47
		-3596.47	-165.57	6.68e-03	0.0	82.2	-510.65	21.89	-0.86	1.86	-94.84	1.569e+04
						164.3	-772.21	-403.90	-0.86	1.86	-165.57	0.0
17	5	1569.29	-11.72	1.54e-03	-97.41	0.0	-194.74	54.27	-0.21	0.33	-11.72	-914.53
		-914.53	-46.65	1.97e-03	0.0	82.2	-224.66	5.57	-0.21	0.33	-29.19	1543.39
						164.3	-254.58	-43.14	-0.21	0.33	-46.65	0.0
17	27	93.80	35.89	-0.01	-244.97	0.0	-5422.67	228.18	-0.56	2.94	35.89	-1.737e+04

		-1.737e+04	-56.95	1.48e-03	0.0	82.2	-5497.91	105.70	-0.56	2.94	-10.53	-3651.92
						164.3	-5573.15	-16.79	-0.56	2.94	-56.95	0.0
17	30	1.588e+04	-26.41	0.02	-244.97	0.0	5359.37	27.36	0.12	-2.01	-45.69	1.563e+04
		0.0	-45.69	1.84e-03	0.0	82.2	5284.13	-95.13	0.12	-2.01	-36.05	1.285e+04
						164.3	5208.89	-217.61	0.12	-2.01	-26.41	0.0
17	44	6227.07	1433.54	6.31e-03	-244.97	0.0	993.07	108.70	11.92	-73.39	-532.43	2265.66
		0.0	-532.43	-0.04	0.0	82.2	917.83	-13.79	11.92	-73.39	450.56	6164.08
						164.3	842.58	-136.28	11.92	-73.39	1433.54	0.0
17	45	3215.99	522.63	-2.03e-03	-244.97	0.0	-1056.36	146.84	-12.37	74.33	522.63	-4002.17
		-4002.17	-1516.91	0.05	0.0	82.2	-1131.60	24.36	-12.37	74.33	-497.14	3030.17
						164.3	-1206.84	-98.13	-12.37	74.33	-1516.91	0.0
17	59	1569.25	18.08	-2.93e-03	-244.97	0.0	-2628.72	176.15	-0.48	2.18	18.08	-8816.75
		-8816.75	-59.88	1.91e-03	0.0	82.2	-2703.96	53.66	-0.48	2.18	-20.90	622.88
						164.3	-2779.20	-68.82	-0.48	2.18	-59.88	0.0
17	62	9191.40	-23.48	0.01	-244.97	0.0	2565.42	79.39	0.03	-1.24	-27.88	7080.24
		0.0	-27.88	1.41e-03	0.0	82.2	2490.18	-43.09	0.03	-1.24	-25.68	8571.37
						164.3	2414.94	-165.58	0.03	-1.24	-23.48	0.0
17	76	5352.59	694.30	4.96e-03	-244.97	0.0	462.46	118.57	5.86	-36.64	-272.51	642.67
		0.0	-272.51	-0.02	0.0	82.2	387.22	-3.91	5.86	-36.64	210.89	5352.59
						164.3	311.98	-126.40	5.86	-36.64	694.30	0.0
17	77	3911.75	262.71	2.43e-03	-244.97	0.0	-525.75	136.97	-6.31	37.57	262.71	-2379.17
		-2379.17	-777.66	0.02	0.0	82.2	-600.99	14.48	-6.31	37.57	-257.48	3841.67
						164.3	-676.23	-108.01	-6.31	37.57	-777.66	0.0
17	87	1741.18	-8.86	1.76e-03	-102.17	0.0	-138.46	55.60	-0.17	0.26	-8.86	-741.60
		-741.60	-37.51	1.58e-03	0.0	82.2	-169.84	4.51	-0.17	0.26	-23.18	1727.61
						164.3	-201.23	-46.57	-0.17	0.26	-37.51	0.0
17	89	1.067e+04	-15.89	7.30e-03	-578.17	0.0	-160.16	303.77	-0.61	1.37	-15.89	-2412.31
		-2412.31	-115.41	4.64e-03	0.0	82.2	-337.74	14.68	-0.61	1.37	-65.65	1.067e+04
						164.3	-515.32	-274.40	-0.61	1.37	-115.41	0.0
17	90	1.066e+04	-16.33	7.36e-03	-578.17	0.0	-169.15	303.92	-0.59	1.26	-16.33	-2437.02
		-2437.02	-112.52	4.54e-03	0.0	82.2	-346.73	14.83	-0.59	1.26	-64.43	1.066e+04
						164.3	-524.32	-274.25	-0.59	1.26	-112.52	0.0
17	98	1914.90	-2.79	2.03e-03	-102.17	0.0	-25.14	53.32	-0.09	0.14	-2.79	-367.04
		-367.04	-18.31	7.41e-04	0.0	82.2	-56.52	2.23	-0.09	0.14	-10.55	1914.90
						164.3	-87.90	-48.85	-0.09	0.14	-18.31	0.0
17	99	6385.28	-6.31	4.80e-03	-340.17	0.0	-35.99	177.40	-0.31	0.69	-6.31	-1202.40
		-1202.40	-57.26	2.27e-03	0.0	82.2	-140.47	7.32	-0.31	0.69	-31.79	6385.28
						164.3	-244.95	-162.77	-0.31	0.69	-57.26	0.0
17	105	1914.90	-2.79	2.03e-03	-102.17	0.0	-25.14	53.32	-0.09	0.14	-2.79	-367.04
		-367.04	-18.31	7.41e-04	0.0	82.2	-56.52	2.23	-0.09	0.14	-10.55	1914.90
						164.3	-87.90	-48.85	-0.09	0.14	-18.31	0.0
17	106	4597.13	-4.90	3.69e-03	-244.97	0.0	-31.65	127.77	-0.22	0.47	-4.90	-868.25
		-868.25	-41.68	1.66e-03	0.0	82.2	-106.89	5.28	-0.22	0.47	-23.29	4597.13
						164.3	-182.13	-117.20	-0.22	0.47	-41.68	0.0
18	3	8201.74	3228.80	-3.05e-03	-1226.97	0.0	-200.14	448.77	-32.23	-15.15	3228.80	0.0
		-1.647e+04	6.02	-0.02	0.0	50.0	-200.14	-164.72	-32.23	-15.15	1617.41	7101.35
						100.0	-200.14	-778.20	-32.23	-15.15	6.02	-1.647e+04
18	4	8222.51	3228.75	-3.10e-03	-1226.97	0.0	-208.16	449.32	-32.25	-14.97	3228.75	0.0
		-1.642e+04	4.01	-0.02	0.0	50.0	-208.16	-164.16	-32.25	-14.97	1616.38	7129.06
						100.0	-208.16	-777.65	-32.25	-14.97	4.01	-1.642e+04
18	5	836.09	557.29	-2.70e-04	-147.18	0.0	-121.92	49.75	-5.60	-1.49	557.29	0.0
		-2383.83	-2.86	-2.75e-03	0.0	50.0	-121.92	-23.84	-5.60	-1.49	277.22	647.83
						100.0	-121.92	-97.43	-5.60	-1.49	-2.86	-2383.83
18	9	1343.54	760.13	-6.23e-04	-206.97	0.0	-142.40	74.64	-7.67	-1.87	760.13	0.0
		-2885.15	-7.33	-3.80e-03	0.0	50.0	-142.40	-28.85	-7.67	-1.87	376.40	1144.60
						100.0	-142.40	-132.34	-7.67	-1.87	-7.33	-2885.15
18	18	5925.18	2494.06	-2.12e-03	-920.97	0.0	-258.38	330.69	-24.94	-10.77	2494.06	0.0
		-1.298e+04	-0.41	-0.01	0.0	50.0	-258.38	-129.80	-24.94	-10.77	1246.82	5022.20
						100.0	-258.38	-590.29	-24.94	-10.77	-0.41	-1.298e+04
18	27	0.0	1404.85	3.88e-03	-357.98	0.0	-3398.81	-108.93	-14.49	-2.02	1404.85	0.0
		-2.879e+04	-361.92	-3.25e-03	0.0	50.0	-3398.81	-287.92	-14.49	-2.02	521.47	-9921.39
						100.0	-3398.81	-466.91	-14.49	-2.02	-361.92	-2.879e+04
18	30	2.031e+04	712.91	-6.16e-03	-357.98	0.0	3342.17	382.05	-6.66	-7.24	712.91	0.0
		0.0	364.51	-0.01	0.0	50.0	3342.17	203.06	-6.66	-7.24	538.71	1.463e+04
						100.0	3342.17	24.07	-6.66	-7.24	364.51	2.031e+04
18	43	0.0	160.78	2.19e-03	-357.98	0.0	-1864.73	2.99	4.63	-26.78	160.78	0.0
		-1.760e+04	-1590.88	-0.02	0.0	50.0	-1864.73	-176.00	4.63	-26.78	-715.05	-4325.31
						100.0	-1864.73	-354.99	4.63	-26.78	-1590.88	-1.760e+04
18	44	4668.21	2536.43	-2.78e-03	-357.98	0.0	612.79	182.86	-32.49	27.28	2536.43	0.0
		0.0	1493.58	0.02	0.0	50.0	612.79	3.87	-32.49	27.28	2015.00	4668.21
						100.0	612.79	-175.12	-32.49	27.28	1493.58	386.92
18	59	44.34	1219.68	-1.31e-03	-357.98	0.0	-1652.09	18.28	-12.39	-3.64	1219.68	0.0
		-1.607e+04	-180.36	-4.77e-03	0.0	50.0	-1652.09	-160.71	-12.39	-3.64	519.66	-3560.69
						100.0	-1652.09	-339.70	-12.39	-3.64	-180.36	-1.607e+04
18	62	9059.83	898.07	-3.56e-03	-357.98	0.0	1595.46	254.83	-8.76	-5.62	898.07	0.0
		0.0	182.95	-9.12e-03	0.0	50.0	1595.46	75.84	-8.76	-5.62	540.51	8267.00
						100.0	1595.46	-103.15	-8.76	-5.62	182.95	7584.49

18	75	725.58 -1.067e+04	653.68 -810.62	-6.32e-04 -0.01	-357.98 0.0	0.0 50.0 100.0	-912.24 -912.24 -912.24	72.26 -106.73 -285.72	-3.20 -3.20 -3.20	-15.31 -15.31 -15.31	653.68 -78.47 -810.62	0.0 -861.83 -1.067e+04
18	76	3525.80 -2009.21	1728.58 767.65	-1.92e-03 -4.79e-03	-357.98 0.0	0.0 50.0 100.0	280.76 280.76 280.76	158.90 -20.09 -199.08	-21.00 -21.00 -21.00	10.48 10.48 10.48	1728.58 1248.12 767.65	0.0 3470.15 -2009.21
18	87	996.52 -2154.48	571.05 -2.19	-4.07e-04 -3.05e-03	-153.98 0.0	0.0 50.0 100.0	-85.92 -85.92 -85.92	55.45 -21.54 -98.53	-5.73 -5.73 -5.73	-1.72 -1.72 -1.72	571.05 284.43 -2.19	0.0 847.51 -2154.48
18	89	5596.35 -1.114e+04	2216.76 4.03	-2.10e-03 -0.01	-833.98 0.0	0.0 50.0 100.0	-135.11 -135.11 -135.11	305.61 -111.38 -528.37	-22.13 -22.13 -22.13	-10.33 -10.33 -10.33	2216.76 1110.39 4.03	0.0 4855.62 -1.114e+04
18	90	5610.21 -1.110e+04	2216.72 2.69	-2.13e-03 -0.01	-833.98 0.0	0.0 50.0 100.0	-140.46 -140.46 -140.46	305.98 -111.01 -528.00	-22.14 -22.14 -22.14	-10.21 -10.21 -10.21	2216.72 1109.71 2.69	0.0 4874.09 -1.110e+04
18	91	1024.23 -2080.61	570.98 -4.87	-4.82e-04 -2.94e-03	-153.98 0.0	0.0 50.0 100.0	-96.62 -96.62 -96.62	56.18 -20.81 -97.80	-5.76 -5.76 -5.76	-1.48 -1.48 -1.48	570.98 283.06 -4.87	0.0 884.45 -2080.61
18	97	4078.65 -8810.47	1726.93 -0.26	-1.48e-03 -9.99e-03	-629.98 0.0	0.0 50.0 100.0	-173.94 -173.94 -173.94	226.89 -88.10 -403.09	-17.27 -17.27 -17.27	-7.41 -7.41 -7.41	1726.93 863.34 -0.26	0.0 3469.52 -8810.47
18	98	1223.93 -1548.06	565.17 -0.57	-6.41e-04 -3.52e-03	-153.98 0.0	0.0 50.0 100.0	-13.56 -13.56 -13.56	61.51 -15.48 -92.47	-5.66 -5.66 -5.66	-2.05 -2.05 -2.05	565.17 282.30 -0.57	0.0 1150.72 -1548.06
18	99	3523.84 -6039.96	1388.02 2.54	-1.47e-03 -8.76e-03	-493.98 0.0	0.0 50.0 100.0	-38.16 -38.16 -38.16	186.59 -60.40 -307.39	-13.85 -13.85 -13.85	-6.35 -6.35 -6.35	1388.02 695.28 2.54	0.0 3154.77 -6039.96
18	103	1148.13 -1750.20	567.13 -1.11	-5.63e-04 -3.35e-03	-153.98 0.0	0.0 50.0 100.0	-37.68 -37.68 -37.68	59.49 -17.50 -94.49	-5.68 -5.68 -5.68	-1.94 -1.94 -1.94	567.13 283.01 -1.11	0.0 1049.65 -1750.20
18	104	2528.08 -4445.34	1060.84 0.76	-1.06e-03 -6.49e-03	-357.98 0.0	0.0 50.0 100.0	-52.44 -52.44 -52.44	134.54 -44.45 -223.44	-10.60 -10.60 -10.60	-4.52 -4.52 -4.52	1060.84 530.80 0.76	0.0 2252.08 -4445.34
18	105	1223.93 -1548.06	565.17 -0.57	-6.41e-04 -3.52e-03	-153.98 0.0	0.0 50.0 100.0	-13.56 -13.56 -13.56	61.51 -15.48 -92.47	-5.66 -5.66 -5.66	-2.05 -2.05 -2.05	565.17 282.30 -0.57	0.0 1150.72 -1548.06
18	106	2603.88 -4243.20	1058.88 1.30	-1.14e-03 -6.66e-03	-357.98 0.0	0.0 50.0 100.0	-28.32 -28.32 -28.32	136.56 -42.43 -221.42	-10.58 -10.58 -10.58	-4.63 -4.63 -4.63	1058.88 530.09 1.30	0.0 2353.15 -4243.20
19	3	3.215e+04 0.0-1.070e+04	1.666e+04 0.48	-0.07 0.48	-34.29 0.0	0.0 60.0 120.0	-2474.07 -2474.07 -2474.07	285.06 267.91 250.77	-228.01 -228.01 -228.01	783.51 783.51 783.51	1.666e+04 2982.89 -1.070e+04	0.0 1.659e+04 3.215e+04
19	4	3.198e+04 0.0-1.071e+04	1.668e+04 0.48	-0.07 0.48	-34.29 0.0	0.0 60.0 120.0	-2478.97 -2478.97 -2478.97	283.65 266.51 249.37	-228.25 -228.25 -228.25	784.32 784.32 784.32	1.668e+04 2985.97 -1.071e+04	0.0 1.650e+04 3.198e+04
19	5	4203.71 0.0	2253.81 -1159.99	-8.57e-03 0.08	-26.38 0.0	0.0 60.0 120.0	-459.34 -459.34 -459.34	48.22 35.03 21.84	-28.45 -28.45 -28.45	133.61 133.61 133.61	2253.81 546.91 -1159.99	0.0 2497.49 4203.71
19	8	2.977e+04 0.0	1.559e+04 -9992.25	-0.07 0.45	-26.38 0.0	0.0 60.0 120.0	-2321.87 -2321.87 -2321.87	261.30 248.12 234.93	-213.22 -213.22 -213.22	735.51 735.51 735.51	1.559e+04 2801.22 -9992.25	0.0 1.528e+04 2.977e+04
19	24	0.0 -1.396e+04	3803.82 -1316.76	0.04 0.31	-26.38 0.0	0.0 60.0 120.0	-1437.77 -1437.77 -1437.77	-103.16 -116.35 -129.54	-43.11 -43.11 -43.11	487.09 487.09 487.09	3803.82 1243.53 -1316.76	0.0 -6585.40 -1.396e+04
19	25	3.663e+04 0.0	7604.10 -6219.97	-0.09 0.01	-26.38 0.0	0.0 60.0 120.0	-189.45 -189.45 -189.45	318.46 305.27 292.08	-114.77 -114.77 -114.77	26.22 26.22 26.22	7604.10 692.07 -6219.97	0.0 1.871e+04 3.663e+04
19	34	2.315e+04 0.0	1554.00 -9805.11	-0.06 0.07	-26.38 0.0	0.0 60.0 120.0	-522.18 -522.18 -522.18	206.08 192.89 179.71	-196.97 -196.97 -196.97	96.61 96.61 96.61	1554.00 -4125.56 -9805.11	0.0 1.197e+04 2.315e+04
19	44	0.0 -4558.36	1.435e+04 -6702.87	0.02 0.41	-26.38 0.0	0.0 60.0 120.0	-1298.16 -1298.16 -1298.16	-24.80 -37.99 -51.17	-144.19 -144.19 -144.19	671.62 671.62 671.62	1.435e+04 3822.36 -6702.87	0.0 -1883.54 -4558.36
19	56	111.89 -739.38	4778.12 -2566.58	7.30e-03 0.22	-26.38 0.0	0.0 60.0 120.0	-1108.36 -1108.36 -1108.36	7.03 -6.16 -19.35	-61.37 -61.37 -61.37	358.93 358.93 358.93	4778.12 1105.77 -2566.58	0.0 25.95 -739.38
19	57	2.341e+04 0.0	6629.80 -4970.16	-0.06 0.09	-26.38 0.0	0.0 60.0 120.0	-518.86 -518.86 -518.86	208.27 195.08 181.89	-96.50 -96.50 -96.50	154.38 154.38 154.38	6629.80 829.82 -4970.16	0.0 1.210e+04 2.341e+04
19	60	106.79 -759.74	4681.40 -2536.96	7.29e-03 0.22	-26.38 0.0	0.0 60.0 120.0	-1105.70 -1105.70 -1105.70	6.86 -6.33 -19.52	-60.33 -60.33 -60.33	351.46 351.46 351.46	4681.40 1072.22 -2536.96	0.0 15.77 -759.74
19	61	2.343e+04 0.0	6726.53 -4999.78	-0.06 0.10	-26.38 0.0	0.0 60.0 120.0	-521.52 -521.52 -521.52	208.44 195.25 182.06	-97.54 -97.54 -97.54	161.85 161.85 161.85	6726.53 863.37 -4999.78	0.0 1.211e+04 2.343e+04
19	66	1.690e+04 0.0	3741.03 -6604.38	-0.04 0.11	-26.38 0.0	0.0 60.0	-678.39 -678.39	154.05 140.86	-133.90 -133.90	184.81 184.81	3741.03 -1431.67	0.0 8847.13

19	76	3985.34 0.0	9634.67 -5070.69	-4.24e-03 0.27	-26.38 0.0	120.0 0.0	-678.39 -1031.76	127.67 46.40	-133.90 -107.95	184.81 442.72	-6604.38 9634.67	1.690e+04 0.0
						60.0	-1031.76	33.21	-107.95	442.72	2281.99	2388.31
19	87	4982.02 0.0	2573.69 -1479.79	-0.01 0.08	-26.38 0.0	120.0 0.0	-1031.76 -461.75	20.02 54.70	-107.95 -33.78	442.72 137.18	-5070.69 2573.69	3985.34 0.0
						60.0	-461.75	41.52	-33.78	137.18	546.95	2886.65
19	89	2.214e+04 0.0	1.146e+04 -7360.69	-0.05 0.33	-26.38 0.0	120.0 0.0	-461.75 -1700.16	28.33 197.70	-33.78 -156.81	137.18 537.90	-1479.79 1.146e+04	4982.02 0.0
						60.0	-1700.16	184.51	-156.81	537.90	2047.77	1.147e+04
19	90	2.203e+04 0.0	1.147e+04 -7367.97	-0.05 0.33	-26.38 0.0	120.0 0.0	-1700.16 -1703.43	171.32 196.76	-156.81 -156.96	537.90 538.45	-7360.69 1.147e+04	2.214e+04 0.0
						60.0	-1703.43	183.57	-156.96	538.45	2049.82	1.141e+04
19	98	6187.49 0.0	3039.20 -2004.10	-0.01 0.08	-26.38 0.0	120.0 0.0	-1703.43 -442.08	170.38 64.75	-156.96 -42.03	538.45 136.44	-7367.97 3039.20	2.203e+04 0.0
						60.0	-442.08	51.56	-42.03	136.44	517.55	3489.39
19	99	1.477e+04 0.0	7480.47 -4944.55	-0.03 0.21	-26.38 0.0	120.0 0.0	-442.08 -1061.29	38.37 136.25	-42.03 -103.54	136.44 336.80	-2004.10 7480.47	6187.49 0.0
						60.0	-1061.29	123.06	-103.54	336.80	1267.96	7779.12
19	105	6187.49 0.0	3039.20 -2004.10	-0.01 0.08	-26.38 0.0	120.0 0.0	-1061.29 -442.08	109.87 64.75	-103.54 -42.03	336.80 136.44	-4944.55 3039.20	1.477e+04 0.0
						60.0	-442.08	51.56	-42.03	136.44	517.55	3489.39
19	106	1.134e+04 0.0	5703.96 -3768.37	-0.02 0.16	-26.38 0.0	120.0 0.0	-442.08 -813.61	38.37 107.65	-42.03 -78.94	136.44 256.66	-2004.10 5703.96	6187.49 0.0
						60.0	-813.61	94.46	-78.94	256.66	967.80	6063.23
20	3	2.271e+04 0.0	1.623e+04 -2561.84	0.08 -0.56	-906.18 0.0	120.0 0.0	-813.61 -2627.20	81.27 405.62	-78.94 114.35	256.66 -654.17	-3768.37 -2561.84	1.134e+04 7800.11
						82.2	-2905.53	-47.47	114.35	-654.17	6832.42	2.251e+04
20	4	2.259e+04 0.0	1.624e+04 -2564.45	0.08 -0.56	-906.18 0.0	164.3 0.0	-3183.86 -2632.17	-500.57 406.85	114.35 114.46	-654.17 -654.82	1.623e+04 -2564.45	0.0 7597.17
						82.2	-2910.50	-46.24	114.46	-654.82	6839.08	2.241e+04
20	5	2877.41 0.0	2641.12 -436.47	0.01 -0.09	-139.41 0.0	164.3 0.0	-3188.83 -494.94	-499.33 69.53	114.46 18.73	-654.82 -111.32	1.624e+04 -436.47	0.0 28.32
						82.2	-537.76	-0.17	18.73	-111.32	1102.33	2877.41
20	20	2307.69 -1167.60	2562.13 -440.64	6.56e-03 -0.09	-139.41 0.0	164.3 0.0	-580.58 -521.83	-69.88 76.81	18.73 18.28	-111.32 -112.06	2641.12 -440.64	0.0 -1167.60
						82.2	-564.65	7.11	18.28	-112.06	1060.74	2279.45
20	24	0.0 -2.455e+04	1.014e+04 -1595.29	-0.05 -0.35	-286.97 0.0	164.3 0.0	-607.47 -1514.47	-62.60 292.88	18.28 71.37	-112.06 -408.34	2562.13 -1595.29	0.0 -2.455e+04
						82.2	-1602.61	149.39	71.37	-408.34	4270.84	-6379.14
20	25	3.057e+04 0.0	618.93 -84.93	0.11 -0.02	-286.97 0.0	164.3 0.0	-1690.75 -221.09	5.91 -42.55	71.37 4.32	-408.34 -21.37	1.014e+04 -84.93	0.0 3.057e+04
						82.2	-309.23	-186.03	4.32	-21.37	267.00	2.118e+04
20	44	536.96 -1.633e+04	1.387e+04 -2200.04	-0.03 -0.48	-286.97 0.0	164.3 0.0	-397.37 -1363.59	-329.52 242.89	4.32 97.77	-21.37 -563.25	618.93 -2200.04	0.0 -1.633e+04
						82.2	-1451.73	99.41	97.77	-563.25	5832.94	-2272.54
20	45	2.235e+04 0.0	519.82 -3110.03	0.09 0.11	-286.97 0.0	164.3 0.0	-1539.87 -371.97	-44.08 7.44	97.77 -22.08	-563.25 133.53	1.387e+04 519.82	0.0 2.235e+04
						82.2	-460.11	-136.04	-22.08	133.53	-1295.11	1.707e+04
20	56	1915.02 -1.008e+04	7498.53 -1175.37	-0.01 -0.26	-286.97 0.0	164.3 0.0	-548.25 -1173.32	-279.53 204.84	-22.08 52.77	133.53 -300.79	-3110.03 -1175.37	0.0 -1.008e+04
						82.2	-1261.47	61.35	52.77	-300.79	3161.58	853.84
20	57	1.667e+04 0.0	3257.37 -504.85	0.07 -0.11	-286.97 0.0	164.3 0.0	-1349.61 -562.23	-82.14 45.50	52.77 22.92	-300.79 -128.92	7498.53 -504.85	0.0 1.610e+04
						82.2	-650.37	-97.99	22.92	-128.92	1376.26	1.394e+04
20	76	3344.79 -5815.20	9187.35 -1450.13	3.32e-03 -0.32	-286.97 0.0	164.3 0.0	-738.51 -1091.13	-241.47 178.88	22.92 64.74	-128.92 -371.23	3257.37 -1450.13	0.0 -5815.20
						82.2	-1179.28	35.39	64.74	-371.23	3868.61	2986.25
20	87	3250.11 0.0	2770.72 -448.57	0.01 -0.10	-144.17 0.0	164.3 0.0	-1267.42 -496.93	-108.09 68.57	64.74 19.59	-371.23 -114.56	9187.35 -448.57	0.0 578.20
						82.2	-541.21	-3.52	19.59	-114.56	1161.07	3250.11
20	89	1.556e+04 0.0	1.115e+04 -1758.91	0.06 -0.39	-620.17 0.0	164.3 0.0	-585.49 -1806.17	-75.61 277.38	19.59 78.54	-114.56 -449.18	2770.72 -1758.91	0.0 5373.97
						82.2	-1996.65	-32.71	78.54	-449.18	4693.10	1.542e+04
20	90	1.548e+04 0.0	1.116e+04 -1760.64	0.06 -0.39	-620.17 0.0	164.3 0.0	-2187.13 -1809.48	-342.79 278.20	78.54 78.61	-449.18 -449.62	1.115e+04 -1760.64	0.0 5238.68
						82.2	-1999.96	-31.88	78.61	-449.62	4697.54	1.536e+04
20	95	2851.47 -219.09	2718.06 -451.35	9.95e-03 -0.09	-144.17 0.0	164.3 0.0	-2190.45 -514.86	-341.97 73.42	78.61 19.29	-449.62 -115.05	1.116e+04 -451.35	0.0 -219.09
						82.2	-559.14	1.33	19.29	-115.05	1133.35	2851.47
20	98	3798.54 0.0	2865.63 -447.01	0.02 -0.10	-144.17 0.0	164.3 0.0	-603.42 -475.00	-70.75 62.52	19.29 20.16	-115.05 -114.47	2718.06 -447.01	0.0 1571.19
						82.2	-519.29	-9.56	20.16	-114.47	1209.31	3746.61
20	99	9959.04 0.0	7052.82 -1102.18	0.04 -0.24	-382.17 0.0	164.3 0.0	-563.57 -1129.63	-81.65 166.93	20.16 49.63	-114.47 -281.78	2865.63 -1102.18	0.0 3969.07
						82.2	-1247.01	-24.16	49.63	-281.78	2975.32	9833.61
20	105	3798.54 0.0	2865.63 -447.01	0.02 -0.10	-144.17 0.0	164.3 0.0	-1364.39 -475.00	-215.24 62.52	49.63 20.16	-281.78 -114.47	7052.82 -447.01	0.0 1571.19

			0.0	-447.01	-0.10	0.0	82.2	-519.29	-9.56	20.16	-114.47	1209.31	3746.61
							164.3	-563.57	-81.65	20.16	-114.47	2865.63	0.0
20	106	7494.84	5377.95	0.03	-286.97	0.0	0.0	-867.78	125.17	37.84	-214.86	-840.11	3009.92
		0.0	-840.11	-0.19	0.0	82.2	-955.92	-18.32	37.84	-214.86	2268.92	7398.81	
						164.3	-1044.06	-161.81	37.84	-214.86	5377.95	0.0	
21	3	1.695e+04	2243.79	-0.06	-772.60	0.0	0.0	-3.94	358.15	7.35	6.51	-657.55	-1.574e+04
		-2.686e+04	-657.55	-0.02	0.0	197.5	-3.94	-28.15	7.35	6.51	793.12	1.685e+04	
						395.0	-3.94	-414.45	7.35	6.51	2243.79	-2.686e+04	
21	4	1.691e+04	2288.78	-0.06	-772.60	0.0	0.0	-3.06	356.64	7.49	5.93	-670.60	-1.551e+04
		-2.723e+04	-670.60	-0.02	0.0	197.5	-3.06	-29.66	7.49	5.93	809.09	1.677e+04	
						395.0	-3.06	-415.96	7.49	5.93	2288.78	-2.723e+04	
21	9	1.626e+04	1837.23	-0.05	-772.60	0.0	0.0	-1.86	382.29	6.01	4.49	-537.07	-2.109e+04
		-2.268e+04	-537.07	0.04	0.0	197.5	-1.86	-4.01	6.01	4.49	650.08	1.626e+04	
						395.0	-1.86	-390.31	6.01	4.49	1837.23	-2.268e+04	
21	18	1.661e+04	3103.69	-0.06	-772.60	0.0	0.0	-5.98	381.49	10.16	8.20	-908.82	-2.059e+04
		-2.249e+04	-908.82	0.04	0.0	197.5	-5.98	-4.81	10.16	8.20	1097.43	1.661e+04	
						395.0	-5.98	-391.11	10.16	8.20	3103.69	-2.249e+04	
21	21	1.289e+04	2977.43	-0.04	-594.31	0.0	0.0	-7.06	300.24	9.75	8.30	-872.34	-1.707e+04
		-1.707e+04	-872.34	0.04	0.0	197.5	-7.06	3.09	9.75	8.30	1052.55	1.289e+04	
						395.0	-7.06	-294.07	9.75	8.30	2977.43	-1.585e+04	
21	31	2.792e+04	7277.71	-0.05	-594.31	0.0	0.0	-21.10	524.86	24.16	19.92	-2270.56	-6.361e+04
		-6.361e+04	-2270.56	-0.53	0.0	197.5	-21.10	227.71	24.16	19.92	2503.57	1.070e+04	
						395.0	-21.10	-69.45	24.16	19.92	7277.71	2.633e+04	
21	34	4.044e+04	2079.84	-0.08	-594.31	0.0	0.0	22.37	18.85	-22.02	-16.78	2079.84	4.043e+04
		-6.950e+04	-6625.51	0.49	0.0	197.5	22.37	-278.31	-22.02	-16.78	-2272.84	1.481e+04	
						395.0	22.37	-575.46	-22.02	-16.78	-6625.51	-6.950e+04	
21	44	8.534e+04	838.68	-0.08	-594.31	0.0	0.0	-48.28	835.85	-8.66	46.33	838.68	-1.275e+05
		-1.275e+05	-2588.40	0.88	0.0	197.5	-48.28	538.69	-8.66	46.33	-874.86	8288.66	
						395.0	-48.28	241.54	-8.66	46.33	-2588.40	8.534e+04	
21	45	1.043e+05	3240.60	-0.13	-594.31	0.0	0.0	49.54	-292.14	10.80	-43.20	-1029.40	1.043e+05
		-1.285e+05	-1029.40	-0.92	0.0	197.5	49.54	-589.29	10.80	-43.20	1105.60	1.722e+04	
						395.0	49.54	-886.45	10.80	-43.20	3240.60	-1.285e+05	
21	67	1.528e+04	3667.85	-0.04	-594.31	0.0	0.0	-10.68	400.96	12.15	10.62	-1134.30	-3.812e+04
		-3.812e+04	-1134.30	-0.26	0.0	197.5	-10.68	103.80	12.15	10.62	1266.78	1.172e+04	
						395.0	-10.68	-193.35	12.15	10.62	3667.85	2877.00	
21	70	2.170e+04	943.57	-0.06	-594.31	0.0	0.0	11.95	142.75	-10.02	-7.49	943.57	1.494e+04
		-4.605e+04	-3015.65	0.22	0.0	197.5	11.95	-154.40	-10.02	-7.49	-1036.04	1.379e+04	
						395.0	11.95	-451.56	-10.02	-7.49	-3015.65	-4.605e+04	
21	76	2.709e+04	332.79	-0.05	-594.31	0.0	0.0	-21.01	518.49	-3.42	20.96	332.79	-6.225e+04
		-6.225e+04	-1020.14	0.39	0.0	197.5	-21.01	221.34	-3.42	20.96	-343.68	1.081e+04	
						395.0	-21.01	-75.82	-3.42	20.96	-1020.14	2.518e+04	
21	77	3.923e+04	1672.34	-0.07	-594.31	0.0	0.0	22.28	25.22	5.55	-17.82	-523.51	3.907e+04
		-6.835e+04	-523.51	-0.42	0.0	197.5	22.28	-271.93	5.55	-17.82	574.42	1.470e+04	
						395.0	22.28	-569.09	5.55	-17.82	1672.34	-6.835e+04	
21	89	1.299e+04	1521.69	-0.04	-594.31	0.0	0.0	-2.53	275.88	4.98	4.50	-445.97	-1.222e+04
		-2.062e+04	-445.97	-0.01	0.0	197.5	-2.53	-21.27	4.98	4.50	537.86	1.292e+04	
						395.0	-2.53	-318.43	4.98	4.50	1521.69	-2.062e+04	
21	90	1.297e+04	1551.68	-0.04	-594.31	0.0	0.0	-1.94	274.87	5.08	4.12	-454.67	-1.207e+04
		-2.087e+04	-454.67	-0.01	0.0	197.5	-1.94	-22.28	5.08	4.12	548.51	1.287e+04	
						395.0	-1.94	-319.44	5.08	4.12	1551.68	-2.087e+04	
21	91	1.253e+04	1250.65	-0.04	-594.31	0.0	0.0	-1.14	291.98	4.09	3.16	-365.65	-1.579e+04
		-1.783e+04	-365.65	0.02	0.0	197.5	-1.14	-5.18	4.09	3.16	442.50	1.253e+04	
						395.0	-1.14	-302.33	4.09	3.16	1250.65	-1.783e+04	
21	96	1.281e+04	2064.96	-0.04	-594.31	0.0	0.0	-4.48	292.45	6.76	6.02	-604.78	-1.560e+04
		-1.746e+04	-604.78	0.02	0.0	197.5	-4.48	-4.71	6.76	6.02	730.09	1.281e+04	
						395.0	-4.48	-301.86	6.76	6.02	2064.96	-1.746e+04	
21	97	1.276e+04	2094.96	-0.04	-594.31	0.0	0.0	-3.89	291.44	6.86	5.64	-613.48	-1.545e+04
		-1.771e+04	-613.48	0.03	0.0	197.5	-3.89	-5.71	6.86	5.64	740.74	1.276e+04	
						395.0	-3.89	-302.87	6.86	5.64	2094.96	-1.771e+04	
21	99	1.307e+04	392.31	-0.04	-594.31	0.0	0.0	0.59	268.23	1.28	1.68	-114.91	-1.082e+04
		-2.224e+04	-114.91	-0.02	0.0	197.5	0.59	-28.92	1.28	1.68	138.70	1.281e+04	
						395.0	0.59	-326.08	1.28	1.68	392.31	-2.224e+04	
21	100	1.269e+04	238.79	-0.04	-594.31	0.0	0.0	0.93	276.89	0.78	1.24	-69.52	-1.269e+04
		-2.070e+04	-69.52	-9.36e-03	0.0	197.5	0.93	-20.27	0.78	1.24	84.63	1.265e+04	
						395.0	0.93	-317.42	0.78	1.24	238.79	-2.070e+04	
21	104	1.277e+04	647.39	-0.04	-594.31	0.0	0.0	-0.37	277.42	2.12	2.41	-189.43	-1.270e+04
		-2.050e+04	-189.43	-9.02e-03	0.0	197.5	-0.37	-19.73	2.12	2.41	228.98	1.274e+04	
						395.0	-0.37	-316.89	2.12	2.41	647.39	-2.050e+04	
21	105	1.270e+04	226.79	-0.04	-594.31	0.0	0.0	0.70	277.29	0.74	1.40	-66.04	-1.275e+04
		-2.060e+04	-66.04	-9.51e-03	0.0	197.5	0.70	-19.87	0.74	1.40	80.37	1.267e+04	
						395.0	0.70	-317.02	0.74	1.40	226.79	-2.060e+04	
21	106	1.292e+04	326.10	-0.04	-594.31	0.0	0.0	0.63	271.86	1.07	1.57	-95.36	-1.159e+04
		-2.158e+04	-95.36	-0.02	0.0	197.5	0.63	-25.30	1.07	1.57	115.37	1.276e+04	
						395.0	0.63	-322.45	1.07	1.57	326.10	-2.158e+04	
22	1	3334.55	621.26	-0.11	-89.72	0.0	0.0	-1498.72	44.86	-2.30	6.09	621.26	0.0
		0.0	-61.65	0.18	0.0	148.7	-1482.70	-2.17e-06	-2.30	6.09	279.80	3334.55	
						297.3	-1466.68	-44.86	-2.30	6.09	-61.65	0.0	

22	7	2565.04 0.0	-17.19 -567.00	-0.07 0.12	-69.02 0.0	0.0 148.7 297.3	-1096.89 -1084.57 -1072.24	34.51 -1.67e-06 -34.51	1.85 1.85 1.85	-0.05 -0.05 -0.05	-567.00 -292.10 -17.19	0.0 2565.04 0.0
22	9	3334.55 0.0	1336.47 -100.93	-0.18 0.22	-89.72 0.0	0.0 148.7 297.3	-2447.81 -2431.79 -2415.77	44.86 -2.17e-06 -44.86	-4.83 -4.83 -4.83	10.23 10.23 10.23	1336.47 617.77 -100.93	0.0 3334.55 0.0
22	21	2565.04 0.0	-36.35 -339.77	-0.07 0.23	-69.02 0.0	0.0 148.7 297.3	-1096.89 -1084.56 -1072.24	34.51 -1.67e-06 -34.51	1.02 1.02 1.02	1.96 1.96 1.96	-339.77 -188.06 -36.35	0.0 2565.04 0.0
22	40	2565.04 0.0	1.005e+04 -498.04	0.07 1.05	-69.02 0.0	0.0 148.7 297.3	-857.08 -844.76 -832.43	34.51 -1.67e-06 -34.51	-35.38 -35.38 -35.38	75.87 75.87 75.87	1.005e+04 4774.17 -498.04	0.0 2565.04 0.0
22	41	2565.04 0.0	439.91 -9352.38	-0.24 -1.03	-69.02 0.0	0.0 148.7 297.3	-1399.98 -1387.66 -1375.34	34.51 -1.67e-06 -34.51	32.85 32.85 32.85	-69.93 -69.93 -69.93	-9352.38 -4456.24 439.91	0.0 2565.04 0.0
22	44	2565.04 0.0	1.134e+04 -556.13	0.09 1.19	-69.02 0.0	0.0 148.7 297.3	-844.48 -832.16 -819.83	34.51 -1.67e-06 -34.51	-39.90 -39.90 -39.90	84.87 84.87 84.87	1.134e+04 5391.23 -556.13	0.0 2565.04 0.0
22	45	2565.04 0.0	497.99 -1.064e+04	-0.26 -1.17	-69.02 0.0	0.0 148.7 297.3	-1412.58 -1400.26 -1387.93	34.51 -1.67e-06 -34.51	37.37 37.37 37.37	-78.93 -78.93 -78.93	-1.064e+04 -5073.30 497.99	0.0 2565.04 0.0
22	72	2565.04 0.0	4770.40 -237.42	-0.02 0.44	-69.02 0.0	0.0 148.7 297.3	-989.11 -976.79 -964.47	34.51 -1.67e-06 -34.51	-16.80 -16.80 -16.80	35.43 35.43 35.43	4770.40 2266.49 -237.42	0.0 2565.04 0.0
22	73	2565.04 0.0	179.29 -4076.40	-0.16 -0.42	-69.02 0.0	0.0 148.7 297.3	-1267.95 -1255.63 -1243.30	34.51 -1.67e-06 -34.51	14.27 14.27 14.27	-29.48 -29.48 -29.48	-4076.40 -1948.56 179.29	0.0 2565.04 0.0
22	76	2565.04 0.0	5378.20 -263.33	-0.02 0.50	-69.02 0.0	0.0 148.7 297.3	-982.62 -970.29 -957.97	34.51 -1.67e-06 -34.51	-18.92 -18.92 -18.92	39.44 39.44 39.44	5378.20 2557.44 -263.33	0.0 2565.04 0.0
22	77	2565.04 0.0	205.20 -4684.21	-0.16 -0.47	-69.02 0.0	0.0 148.7 297.3	-1274.45 -1262.12 -1249.80	34.51 -1.67e-06 -34.51	16.39 16.39 16.39	-33.50 -33.50 -33.50	-4684.21 -2239.50 205.20	0.0 2565.04 0.0
22	87	2565.04 0.0	475.24 -45.06	-0.08 0.12	-69.02 0.0	0.0 148.7 297.3	-1128.53 -1116.21 -1103.88	34.51 -1.67e-06 -34.51	-1.75 -1.75 -1.75	4.51 4.51 4.51	475.24 215.09 -45.06	0.0 2565.04 0.0
22	89	2565.04 0.0	-24.01 -184.73	-0.08 0.09	-69.02 0.0	0.0 148.7 297.3	-1128.53 -1116.20 -1103.88	34.51 -1.67e-06 -34.51	0.54 0.54 0.54	1.35 1.35 1.35	-184.73 -104.37 -24.01	0.0 2565.04 0.0
22	91	2565.04 0.0	952.05 -71.25	-0.13 0.15	-69.02 0.0	0.0 148.7 297.3	-1761.25 -1748.93 -1736.61	34.51 -1.67e-06 -34.51	-3.44 -3.44 -3.44	7.27 7.27 7.27	952.05 440.40 -71.25	0.0 2565.04 0.0
22	96	2565.04 0.0	-33.25 -36.78	-0.08 0.16	-69.02 0.0	0.0 148.7 297.3	-1128.53 -1116.20 -1103.88	34.51 -1.67e-06 -34.51	-0.01 -0.01 -0.01	2.69 2.69 2.69	-33.25 -35.01 -36.78	0.0 2565.04 0.0
22	98	2565.04 0.0	544.99 -35.38	-0.09 0.02	-69.02 0.0	0.0 148.7 297.3	-1128.53 -1116.21 -1103.88	34.51 -1.67e-06 -34.51	-1.95 -1.95 -1.95	3.92 3.92 3.92	544.99 254.80 -35.38	0.0 2565.04 0.0
22	100	2565.04 0.0	640.35 -40.62	-0.10 0.03	-69.02 0.0	0.0 148.7 297.3	-1255.08 -1242.75 -1230.43	34.51 -1.67e-06 -34.51	-2.29 -2.29 -2.29	4.47 4.47 4.47	640.35 299.87 -40.62	0.0 2565.04 0.0
22	104	2565.04 0.0	323.75 -32.29	-0.08 0.05	-69.02 0.0	0.0 148.7 297.3	-1128.53 -1116.21 -1103.88	34.51 -1.67e-06 -34.51	-1.20 -1.20 -1.20	3.17 3.17 3.17	323.75 145.73 -32.29	0.0 2565.04 0.0
22	105	2565.04 0.0	544.99 -35.38	-0.09 0.02	-69.02 0.0	0.0 148.7 297.3	-1128.53 -1116.21 -1103.88	34.51 -1.67e-06 -34.51	-1.95 -1.95 -1.95	3.92 3.92 3.92	544.99 254.80 -35.38	0.0 2565.04 0.0
22	106	2565.04 0.0	347.00 -29.07	-0.09 0.01	-69.02 0.0	0.0 148.7 297.3	-1128.53 -1116.21 -1103.88	34.51 -1.67e-06 -34.51	-1.26 -1.26 -1.26	2.97 2.97 2.97	347.00 158.97 -29.07	0.0 2565.04 0.0
24	3	1.464e+05 -2.437e+05	269.70 -614.48	-0.41 -7.91e-03	-8079.34 0.0	0.0 190.0 380.0	-11.58 -11.58 -11.58	4073.29 33.62 -4006.05	-2.33 -2.33 -2.33	-8.18 -8.18 -8.18	269.70-2.437e+05 -172.39 1.464e+05 -614.48-2.310e+05	0.0 2565.04 0.0
24	7	1.278e+05 -2.122e+05	265.97 -594.69	-0.36 -4.97e-03	-7041.58 0.0	0.0 190.0 380.0	-13.15 -13.15 -13.15	3549.87 29.08 -3491.71	-2.26 -2.26 -2.26	-6.48 -6.48 -6.48	265.97-2.122e+05 -164.36 1.278e+05 -594.69-2.011e+05	0.0 2565.04 0.0
24	9	6.328e+04 -1.091e+05	211.02 -502.60	-0.18 0.04	-3576.34 0.0	0.0 190.0 380.0	11.90 11.90 11.90	1801.39 13.22 -1774.94	-1.88 -1.88 -1.88	-3.87 -3.87 -3.87	211.02-1.091e+05 -145.79 6.328e+04 -502.60-1.041e+05	0.0 2565.04 0.0
24	17	1.217e+05 -2.035e+05	382.77 -846.99	-0.34 0.04	-6728.44 0.0	0.0 190.0 380.0	-10.42 -10.42 -10.42	3394.05 29.83 -3334.39	-3.24 -3.24 -3.24	-5.45 -5.45 -5.45	382.77-2.035e+05 -232.11 1.217e+05 -846.99-1.922e+05	0.0 2565.04 0.0
24	18	1.213e+05 -2.035e+05	382.13 -857.09	-0.34 0.04	-6728.44 0.0	0.0 190.0 380.0	-5.31 -5.31 -5.31	3391.88 27.66 -3336.55	-3.26 -3.26 -3.26	-5.02 -5.02 -5.02	382.13-2.035e+05 -237.48 1.213e+05 -857.09-1.930e+05	0.0 2565.04 0.0
24	23	8.097e+04 -2.334e+05	1144.71 436.15	-0.18 0.12	-3559.26 0.0	0.0 190.0	35.12 35.12	1132.38 -647.25	-6.58 -6.58	0.49 0.49	1144.71 1.254e+04 790.43 5.863e+04	0.0 2565.04

						380.0	35.12	-2426.88	-6.58	0.49	436.15	-2.334e+05
24	26	9.396e+04	-600.79	-0.24	-3559.26	0.0	-31.51	2457.20	6.01	-13.02	-1095.68	-2.283e+05
		-2.283e+05	-1095.68	-0.15	0.0	190.0	-31.51	677.57	6.01	-13.02	-848.23	6.946e+04
						380.0	-31.51	-1102.06	6.01	-13.02	-600.79	2.913e+04
24	31	7.298e+04	1417.58	-0.18	-3559.26	0.0	37.31	1277.91	-9.03	12.36	1417.58	-1.402e+04
		-2.047e+05	-2074.69	0.36	0.0	190.0	37.31	-501.72	-9.03	12.36	-328.56	5.972e+04
						380.0	37.31	-2281.35	-9.03	12.36	-2074.69	-2.047e+05
24	34	8.308e+04	1910.05	-0.22	-3559.26	0.0	-33.70	2311.67	8.47	-24.90	-1368.54	-2.018e+05
		-2.018e+05	-1368.54	-0.39	0.0	190.0	-33.70	532.04	8.47	-24.90	270.75	6.837e+04
						380.0	-33.70	-1247.59	8.47	-24.90	1910.05	392.71
24	58	7.187e+04	-334.97	-0.20	-3559.26	0.0	-14.10	2111.58	2.71	-9.58	-507.72	-1.655e+05
		-1.655e+05	-507.72	-0.08	0.0	190.0	-14.10	331.95	2.71	-9.58	-421.35	6.663e+04
						380.0	-14.10	-1447.68	2.71	-9.58	-334.97	-3.936e+04
24	63	6.482e+04	686.93	-0.17	-3559.26	0.0	18.70	1549.42	-4.45	2.31	686.93	-6.333e+04
		-1.508e+05	-1035.24	0.15	0.0	190.0	18.70	-230.21	-4.45	2.31	-174.15	6.199e+04
						380.0	18.70	-2009.84	-4.45	2.31	-1035.24	-1.508e+05
24	66	6.964e+04	870.60	-0.20	-3559.26	0.0	-15.09	2040.16	3.89	-14.84	-637.90	-1.525e+05
		-1.525e+05	-637.90	-0.19	0.0	190.0	-15.09	260.53	3.89	-14.84	116.35	6.609e+04
						380.0	-15.09	-1519.10	3.89	-14.84	870.60	-5.347e+04
24	67	6.482e+04	680.53	-0.17	-3559.26	0.0	17.69	1549.96	-4.43	3.36	680.53	6.342e+04
		-1.507e+05	-1036.63	0.17	0.0	190.0	17.69	-229.67	-4.43	3.36	-178.05	6.200e+04
						380.0	17.69	-2009.30	-4.43	3.36	-1036.63	-1.507e+05
24	70	6.962e+04	871.99	-0.20	-3559.26	0.0	-14.08	2039.62	3.87	-15.89	-631.50	-1.524e+05
		-1.524e+05	-631.50	-0.21	0.0	190.0	-14.08	259.99	3.87	-15.89	120.25	6.608e+04
						380.0	-14.08	-1519.64	3.87	-15.89	871.99	-5.358e+04
24	89	1.025e+05	181.60	-0.29	-5660.66	0.0	-7.20	2854.02	-1.57	-6.19	181.60	-1.709e+05
		-1.709e+05	-416.10	-6.43e-03	0.0	190.0	-7.20	23.69	-1.57	-6.19	-117.25	1.025e+05
						380.0	-7.20	-2806.64	-1.57	-6.19	-416.10	-1.619e+05
24	91	4.708e+04	142.48	-0.13	-2658.66	0.0	8.45	1339.42	-1.27	-3.31	142.48	-8.112e+04
		-8.112e+04	-341.51	0.02	0.0	190.0	8.45	10.09	-1.27	-3.31	-99.52	4.708e+04
						380.0	8.45	-1319.24	-1.27	-3.31	-341.51	-7.729e+04
24	96	8.604e+04	256.98	-0.24	-4760.06	0.0	-6.43	2401.19	-2.18	-4.37	256.98	-1.441e+05
		-1.441e+05	-571.11	0.02	0.0	190.0	-6.43	21.16	-2.18	-4.37	-157.06	8.604e+04
						380.0	-6.43	-2358.87	-2.18	-4.37	-571.11	-1.360e+05
24	97	8.579e+04	256.55	-0.24	-4760.06	0.0	-3.02	2399.75	-2.20	-4.08	256.55	-1.441e+05
		-1.441e+05	-577.84	0.02	0.0	190.0	-3.02	19.72	-2.20	-4.08	-160.65	8.579e+04
						380.0	-3.02	-2360.31	-2.20	-4.08	-577.84	-1.366e+05
24	99	7.503e+04	32.17	-0.21	-4159.66	0.0	0.03	2097.13	-0.35	-6.73	32.17	-1.258e+05
		-1.258e+05	-99.93	-0.02	0.0	190.0	0.03	17.30	-0.35	-6.73	-33.88	7.503e+04
						380.0	0.03	-2062.53	-0.35	-6.73	-99.93	-1.193e+05
24	100	4.747e+04	12.87	-0.13	-2658.66	0.0	5.82	1340.70	-0.19	-5.46	12.87	-8.098e+04
		-8.098e+04	-58.60	-8.99e-03	0.0	190.0	5.82	11.37	-0.19	-5.46	-22.86	4.747e+04
						380.0	5.82	-1317.96	-0.19	-5.46	-58.60	-7.666e+04
24	104	6.405e+04	67.95	-0.18	-3559.26	0.0	0.87	1795.13	-0.63	-5.70	67.95	-1.080e+05
		-1.080e+05	-173.03	-7.25e-03	0.0	190.0	0.87	15.50	-0.63	-5.70	-52.54	6.405e+04
						380.0	0.87	-1764.13	-0.63	-5.70	-173.03	-1.021e+05
24	105	4.757e+04	13.04	-0.13	-2658.66	0.0	4.46	1341.27	-0.18	-5.57	13.04	-8.099e+04
		-8.099e+04	-55.90	-9.14e-03	0.0	190.0	4.46	11.95	-0.18	-5.57	-21.43	4.757e+04
						380.0	4.46	-1317.38	-0.18	-5.57	-55.90	-7.645e+04
24	106	6.404e+04	24.52	-0.18	-3559.26	0.0	1.80	1794.79	-0.28	-6.27	24.52	-1.079e+05
		-1.079e+05	-82.32	-0.02	0.0	190.0	1.80	15.16	-0.28	-6.27	-28.90	6.404e+04
						380.0	1.80	-1764.47	-0.28	-6.27	-82.32	-1.021e+05
25	3	5031.85	407.37	0.02	-547.67	0.0	20.44	72.93	2.97	4.25	-424.50	3677.46
		-5.258e+04	-424.50	-8.74e-03	0.0	140.0	20.44	-200.91	2.97	4.25	-8.56	-5281.26
						280.0	20.44	-474.74	2.97	4.25	407.37	-5.258e+04
25	12	3348.05	216.13	-7.04e-03	-421.28	0.0	-3.23	159.93	1.57	1.12	-224.25	-5150.70
		-1.935e+04	-224.25	0.03	0.0	140.0	-3.23	-50.71	1.57	1.12	-4.06	2494.75
						280.0	-3.23	-261.35	1.57	1.12	216.13	-1.935e+04
25	17	3500.79	447.53	-0.01	-547.67	0.0	14.03	113.48	3.35	5.02	-491.16	238.45
		-4.466e+04	-491.16	0.02	0.0	140.0	14.03	-160.35	3.35	5.02	-21.81	-3042.20
						280.0	14.03	-434.18	3.35	5.02	447.53	-4.466e+04
25	18	3505.06	452.75	-0.01	-547.67	0.0	11.96	116.05	3.36	4.29	-488.36	107.88
		-4.407e+04	-488.36	0.03	0.0	140.0	11.96	-157.78	3.36	4.29	-17.81	-2813.21
						280.0	11.96	-431.62	3.36	4.29	452.75	-4.407e+04
25	23	1.679e+05	-8.10	-0.07	-421.28	0.0	447.67	-1051.98	-0.52	4.59	-8.10	1.679e+05
		-1.856e+05	-551.04	0.15	0.0	140.0	447.67	-1262.62	-0.52	4.59	-279.57	5909.87
						280.0	447.67	-1473.26	-0.52	4.59	-551.04	-1.856e+05
25	31	1.311e+05	359.83	-0.06	-421.28	0.0	485.08	-797.28	-1.77	11.47	359.83	1.311e+05
		-1.511e+05	-552.82	0.36	0.0	140.0	485.08	-1007.92	-1.77	11.47	-96.50	4770.88
						280.0	485.08	-1218.56	-1.77	11.47	-552.82	-1.511e+05
25	34	9.731e+04	759.92	0.06	-421.28	0.0	-473.26	1039.88	3.13	-9.30	-534.16	-1.349e+05
		-1.349e+05	-534.16	-0.39	0.0	140.0	-473.26	829.24	3.13	-9.30	112.88	-4034.96
						280.0	-473.26	618.60	3.13	-9.30	759.92	9.731e+04
25	52	1.920e+04	939.63	0.02	-421.28	0.0	-155.90	461.86	-3.83	20.78	939.63	-5.115e+04
		-5.115e+04	405.72	0.48	0.0	140.0	-155.90	251.22	-3.83	20.78	672.67	-1230.06
						280.0	-155.90	40.58	-3.83	20.78	405.72	1.920e+04
25	53	4.741e+04	-198.62	-0.02	-421.28	0.0	167.73	-219.26	5.19	-18.60	-1113.96	4.741e+04

		-7.297e+04	-1113.96	-0.51	0.0	140.0	167.73	-429.90	5.19	-18.60	-656.29	1965.99
						280.0	167.73	-640.54	5.19	-18.60	-198.62	-7.297e+04
25	55	7.931e+04	-51.09	-0.03	-421.28	0.0	216.11	-439.63	0.10	2.79	-51.09	7.931e+04
		-1.028e+05	-211.20	0.07	0.0	140.0	216.11	-650.27	0.10	2.79	-131.14	3016.08
						280.0	216.11	-860.91	0.10	2.79	-211.20	-1.028e+05
25	62	4.885e+04	421.15	0.03	-421.28	0.0	-195.50	681.11	1.13	-1.01	-97.30	-8.288e+04
		-8.288e+04	-97.30	-0.11	0.0	140.0	-195.50	470.47	1.13	-1.01	161.92	-2271.22
						280.0	-195.50	259.83	1.13	-1.01	421.15	4.885e+04
25	63	6.122e+04	127.24	-0.03	-421.28	0.0	231.45	-314.44	-0.50	5.80	127.24	6.122e+04
		-8.580e+04	-210.52	0.16	0.0	140.0	231.45	-525.08	-0.50	5.80	-41.64	2455.21
						280.0	231.45	-735.73	-0.50	5.80	-210.52	-8.580e+04
25	66	3.203e+04	417.62	0.03	-421.28	0.0	-219.62	557.05	1.86	-3.63	-301.57	-6.496e+04
		-6.496e+04	-301.57	-0.19	0.0	140.0	-219.62	346.40	1.86	-3.63	58.03	-1719.28
						280.0	-219.62	135.76	1.86	-3.63	417.62	3.203e+04
25	85	2.122e+04	-42.57	0.01	-421.28	0.0	81.40	-38.25	2.86	-7.66	-587.45	2.122e+04
		-4.847e+04	-587.45	-0.24	0.0	140.0	81.40	-248.89	2.86	-7.66	-315.01	1115.31
						280.0	81.40	-459.53	2.86	-7.66	-42.57	-4.847e+04
25	89	3418.28	279.17	0.01	-421.28	0.0	13.87	69.78	2.03	2.93	-289.00	1828.26
		-3.761e+04	-289.00	-6.73e-03	0.0	140.0	13.87	-140.86	2.03	2.93	-4.91	-3147.23
						280.0	13.87	-351.50	2.03	2.93	279.17	-3.761e+04
25	90	3421.13	282.65	0.01	-421.28	0.0	12.48	71.49	2.03	2.45	-287.13	1741.21
		-3.722e+04	-287.13	-6.43e-03	0.0	140.0	12.48	-139.15	2.03	2.45	-2.24	-2994.57
						280.0	12.48	-349.79	2.03	2.45	282.65	-3.722e+04
25	91	3248.11	168.33	-6.18e-03	-421.28	0.0	-1.39	153.27	1.20	1.02	-167.73	-4551.59
		-2.061e+04	-167.73	0.02	0.0	140.0	-1.39	-57.37	1.20	1.02	0.30	2161.79
						280.0	-1.39	-268.01	1.20	1.02	168.33	-2.061e+04
25	96	2626.75	305.94	-9.83e-03	-421.28	0.0	9.60	96.82	2.28	3.45	-333.43	-464.41
		-3.233e+04	-333.43	0.02	0.0	140.0	9.60	-113.82	2.28	3.45	-13.75	-1654.52
						280.0	9.60	-324.46	2.28	3.45	305.94	-3.233e+04
25	97	2659.56	309.42	-0.01	-421.28	0.0	8.21	98.53	2.29	2.96	-331.57	-551.46
		-3.194e+04	-331.57	0.02	0.0	140.0	8.21	-112.11	2.29	2.96	-11.08	-1501.86
						280.0	8.21	-322.75	2.29	2.96	309.42	-3.194e+04
25	99	3055.73	127.11	8.53e-03	-421.28	0.0	8.41	105.29	0.85	1.27	-110.67	-628.20
		-3.013e+04	-110.67	-0.02	0.0	140.0	8.41	-105.35	0.85	1.27	8.22	-632.78
						280.0	8.41	-315.99	0.85	1.27	127.11	-3.013e+04
25	100	3270.80	69.60	-4.16e-03	-421.28	0.0	1.61	146.01	0.43	0.61	-51.16	-3765.89
		-2.186e+04	-51.16	-7.06e-03	0.0	140.0	1.61	-64.63	0.43	0.61	9.22	1930.14
						280.0	1.61	-275.28	0.43	0.61	69.60	-2.186e+04
25	104	2901.38	134.60	-5.92e-03	-421.28	0.0	5.65	122.81	0.93	1.48	-127.01	-2084.82
		-2.668e+04	-127.01	-6.27e-03	0.0	140.0	5.65	-87.83	0.93	1.48	3.79	363.76
						280.0	5.65	-298.47	0.93	1.48	134.60	-2.668e+04
25	105	3233.70	68.21	-4.06e-03	-421.28	0.0	2.17	145.32	0.43	0.80	-51.90	-3731.07
		-2.202e+04	-51.90	-7.18e-03	0.0	140.0	2.17	-65.32	0.43	0.80	8.16	1869.07
						280.0	2.17	-275.96	0.43	0.80	68.21	-2.202e+04
25	106	2984.80	103.55	6.14e-03	-421.28	0.0	5.91	121.30	0.68	1.09	-87.16	-1869.35
		-2.688e+04	-87.16	-0.01	0.0	140.0	5.91	-89.34	0.68	1.09	8.19	367.96
						280.0	5.91	-299.98	0.68	1.09	103.55	-2.688e+04
26	12	3781.86	253.53	-7.27e-03	-253.03	0.0	260.08	100.32	-4.00	1.26	253.53	-679.92
		-6573.05	-646.05	0.02	0.0	112.5	260.08	-26.19	-4.00	1.26	-196.26	3490.00
						225.0	260.08	-152.71	-4.00	1.26	-646.05	-6573.05
26	17	5757.38	509.39	-0.01	-328.94	0.0	579.23	114.07	-7.88	4.40	509.39	1336.60
		-1.000e+04	-1263.92	0.02	0.0	112.5	579.23	-50.40	-7.88	4.40	-377.27	4918.11
						225.0	579.23	-214.87	-7.88	4.40	-1263.92	-1.000e+04
26	18	5660.57	513.14	-0.01	-328.94	0.0	577.13	113.93	-7.90	4.26	513.14	1251.87
		-1.012e+04	-1264.37	0.02	0.0	112.5	577.13	-50.54	-7.90	4.26	-375.62	4817.28
						225.0	577.13	-215.01	-7.90	4.26	-1264.37	-1.012e+04
26	47	5609.68	829.55	-0.01	-253.03	0.0	390.51	71.06	-17.14	-35.35	829.55	3400.56
		-9112.42	-3026.78	-0.22	0.0	112.5	390.51	-55.46	-17.14	-35.35	-1098.61	4260.56
						225.0	390.51	-181.97	-17.14	-35.35	-3026.78	-9112.42
26	51	5802.96	725.33	-0.01	-253.03	0.0	371.49	70.06	-15.14	-19.37	725.33	3651.75
		-9092.87	-4154.77	-0.24	0.0	112.5	371.49	-56.46	-15.14	-19.37	-1714.72	4395.92
						225.0	371.49	-182.97	-15.14	-19.37	-4154.77	-9092.87
26	52	2476.45	2332.63	9.87e-03	-253.03	0.0	-190.08	139.91	20.88	37.36	-900.54	-6233.07
		-6233.07	-900.54	0.10	0.0	112.5	-190.08	13.39	20.88	37.36	716.05	2398.28
						225.0	-190.08	-113.12	20.88	37.36	2332.63	-3203.33
26	53	4677.46	1095.76	-0.01	-253.03	0.0	473.79	87.70	-23.30	-37.72	1095.76	1286.92
		-7462.84	-2683.41	-0.12	0.0	112.5	473.79	-38.82	-23.30	-37.72	-793.82	4028.52
						225.0	473.79	-165.33	-23.30	-37.72	-2683.41	-7462.84
26	54	2464.18	3803.99	0.01	-253.03	0.0	-87.77	157.55	12.71	19.01	-530.11	-8597.90
		-8597.90	-530.11	0.21	0.0	112.5	-87.77	31.04	12.71	19.01	1636.94	2030.89
						225.0	-87.77	-95.48	12.71	19.01	3803.99	-1573.29
26	79	4235.43	457.18	-8.69e-03	-253.03	0.0	264.64	92.82	-9.07	-16.02	457.18	413.28
		-7185.54	-1582.20	-0.10	0.0	112.5	264.64	-33.70	-9.07	-16.02	-562.51	3730.35
						225.0	264.64	-160.21	-9.07	-16.02	-1582.20	-7185.54
26	83	4314.63	406.70	-8.91e-03	-253.03	0.0	255.36	92.34	-8.10	-8.70	406.70	534.15
		-7175.78	-2121.78	-0.11	0.0	112.5	255.36	-34.18	-8.10	-8.70	-857.54	3795.67
						225.0	255.36	-160.69	-8.10	-8.70	-2121.78	-7175.78

26	84	2808.40 -4341.13	1065.52 -389.26	3.73e-03 0.04	-253.03 0.0	0.0 112.5	-20.54 -20.54	126.78 0.26	9.59 9.59	16.63 16.63	-389.26 338.13	-4341.13 2808.40
						225.0	-20.54	-126.25	9.59	16.63	1065.52	-4275.04
26	85	3896.89 -6391.13	584.47 -1416.29	-8.52e-03 -0.06	-253.03 0.0	0.0 112.5	304.25 304.25	100.83 -25.68	-12.01 -12.01	-16.99 -16.99	584.47 -415.91	-605.02 3618.41
						225.0	304.25	-152.20	-12.01	-16.99	-1416.29	-6391.13
26	86	2644.31 -5480.29	1771.00 -211.49	4.01e-03 0.09	-253.03 0.0	0.0 112.5	28.35 28.35	135.27 8.76	5.67 5.67	8.33 8.33	-211.49 779.76	-5480.29 2631.14
						225.0	28.35	-117.76	5.67	8.33	1771.00	-3490.39
26	91	3579.85 -6060.79	191.50 -470.03	-6.29e-03 0.01	-253.03 0.0	0.0 112.5	205.21 205.21	105.69 -20.82	-2.94 -2.94	0.69 0.69	191.50 -139.27	-1375.72 3398.23
						225.0	205.21	-147.34	-2.94	0.69	-470.03	-6060.79
26	96	4245.64 -7318.27	346.93 -855.56	-8.52e-03 0.01	-253.03 0.0	0.0 112.5	397.86 397.86	91.73 -34.79	-5.34 -5.34	2.80 2.80	346.93 -254.32	509.27 3711.98
						225.0	397.86	-161.30	-5.34	2.80	-855.56	-7318.27
26	97	4181.11 -7396.22	349.43 -855.86	-8.50e-03 0.01	-253.03 0.0	0.0 112.5	396.46 396.46	91.63 -34.88	-5.36 -5.36	2.71 2.71	349.43 -253.22	452.78 3644.76
						225.0	396.46	-161.40	-5.36	2.71	-855.86	-7396.22
26	100	3224.17 -5020.20	64.88 -112.14	-4.32e-03 -5.29e-03	-253.03 0.0	0.0 112.5	92.72 92.72	116.72 -9.79	-0.79 -0.79	-0.62 -0.62	64.88 -23.63	-2817.38 3197.69
						225.0	92.72	-136.31	-0.79	-0.62	-112.14	-5020.20
26	104	3434.65 -5638.37	138.48 -294.52	-5.32e-03 -4.19e-03	-253.03 0.0	0.0 112.5	180.10 180.10	110.18 -16.34	-1.92 -1.92	0.31 0.31	138.48 -78.02	-1962.40 3316.10
						225.0	180.10	-142.85	-1.92	0.31	-294.52	-5638.37
26	105	3250.52 -4989.02	63.88 -112.02	-4.33e-03 -5.38e-03	-253.03 0.0	0.0 112.5	93.28 93.28	116.76 -9.75	-0.78 -0.78	-0.59 -0.59	63.88 -24.07	-2794.79 3224.58
						225.0	93.28	-136.27	-0.78	-0.59	-112.02	-4989.02
26	106	3280.96 -5333.08	97.61 -175.39	-4.66e-03 -0.01	-253.03 0.0	0.0 112.5	141.86 141.86	113.80 -12.71	-1.21 -1.21	-0.18 -0.18	97.61 -38.89	-2473.07 3213.40
						225.0	141.86	-139.23	-1.21	-0.18	-175.39	-5333.08
27	3	2.264e+04 -9152.72	139.60 -49.86	3.69e-03 -8.25e-04	-77.48 0.0	0.0 26.5	-11.87 -11.87	-561.03 -599.77	-3.57 -3.57	-166.02 -166.02	139.60 44.87	2.264e+04 7254.61
						53.0	-11.87	-638.52	-3.57	-166.02	-49.86	-9152.72
27	4	2.444e+04 -8654.23	150.19 -72.02	3.24e-03 -7.15e-04	-77.48 0.0	0.0 26.5	-12.71 -12.71	-585.71 -624.45	-4.19 -4.19	-162.88 -162.88	150.19 39.09	2.444e+04 8407.13
						53.0	-12.71	-663.20	-4.19	-162.88	-72.02	-8654.23
27	5	7987.90 -3178.56	5.02 -47.72	4.74e-04 5.58e-03	-59.60 0.0	0.0 26.5	-2.55 -2.55	-180.89 -210.69	-1.00 -1.00	-42.94 -42.94	5.02 -21.35	7987.90 2799.54
						53.0	-2.55	-240.49	-1.00	-42.94	-47.72	-3178.56
27	9	1.463e+04 -3356.93	50.35 -113.16	-6.90e-04 5.44e-03	-77.48 0.0	0.0 26.5	-5.30 -5.30	-300.57 -339.31	-3.09 -3.09	-56.23 -56.23	50.35 -31.41	1.463e+04 6148.17
						53.0	-5.30	-378.05	-3.09	-56.23	-113.16	-3356.93
27	31	-5143.81 -3.064e+04	2424.85 -1665.00	7.79e-03 -0.09	-59.60 0.0	0.0 26.5	27.01 27.01	523.29 493.49	77.09 77.09	69.59 69.59	-1665.00 379.93	-3.064e+04 -1.750e+04
						53.0	27.01	463.69	77.09	69.59	2424.85	-5143.81
27	34	5.138e+04 -3346.46	1835.29 -2521.60	-5.53e-03 0.08	-59.60 0.0	0.0 26.5	-35.28 -35.28	-1015.19 -1044.99	-82.13 -82.13	-207.44 -207.44	1835.29 -343.16	5.138e+04 2.441e+04
						53.0	-35.28	-1074.79	-82.13	-207.44	-2521.60	-3346.46
27	44	-5890.11 -7.653e+04	993.85 -1370.33	0.02 0.06	-59.60 0.0	0.0 26.5	62.96 62.96	1379.30 1349.50	-44.55 -44.55	-111.22 -111.22	993.85 -188.24	-7.653e+04 -4.082e+04
						53.0	62.96	1319.70	-44.55	-111.22	-1370.33	-5890.11
27	45	9.727e+04 -2600.16	1273.58 -823.56	-0.01 -0.06	-59.60 0.0	0.0 26.5	-71.23 -71.23	-1871.20 -1901.00	39.51 39.51	-26.62 -26.62	-823.56 225.01	9.727e+04 4.773e+04
						53.0	-71.23	-1930.80	39.51	-26.62	1273.58	-2600.16
27	63	-4662.74 -8627.55	1115.80 -744.36	4.25e-03 -0.04	-59.60 0.0	0.0 26.5	10.55 10.55	110.95 81.15	35.06 35.06	-2.38 -2.38	-744.36 185.72	-8627.55 -6250.27
						53.0	10.55	51.35	35.06	-2.38	1115.80	-4662.74
27	66	2.937e+04 -3827.53	914.65 -1212.55	-2.26e-03 0.03	-59.60 0.0	0.0 26.5	-18.82 -18.82	-602.84 -632.64	-40.10 -40.10	-135.46 -135.46	914.65 -148.95	2.937e+04 1.316e+04
						53.0	-18.82	-662.44	-40.10	-135.46	-1212.55	-3827.53
27	76	-5015.53 -2.777e+04	500.33 -644.26	7.26e-03 0.02	-59.60 0.0	0.0 26.5	26.37 26.37	467.64 437.84	-21.57 -21.57	-88.80 -88.80	500.33 -71.97	-2.777e+04 -1.600e+04
						53.0	26.37	408.04	-21.57	-88.80	-644.26	-5015.53
27	77	4.851e+04 -3474.73	547.51 -330.04	-5.04e-03 -0.03	-59.60 0.0	0.0 26.5	-34.64 -34.64	-959.53 -989.33	16.53 16.53	-49.05 -49.05	-330.04 108.74	4.851e+04 2.291e+04
						53.0	-34.64	-1019.13	16.53	-49.05	547.51	-3474.73
27	87	8210.98 -3277.40	26.11 -51.03	5.62e-04 3.33e-03	-59.60 0.0	0.0 26.5	-2.64 -2.64	-186.96 -216.76	-1.46 -1.46	-46.41 -46.41	26.11 -12.46	8210.98 2861.66
						53.0	-2.64	-246.56	-1.46	-46.41	-51.03	-3277.40
27	89	1.596e+04 -6476.62	99.73 -38.37	2.50e-03 -7.01e-04	-59.60 0.0	0.0 26.5	-8.13 -8.13	-393.51 -423.31	-2.61 -2.61	-115.41 -115.41	99.73 30.68	1.596e+04 5135.98
						53.0	-8.13	-453.11	-2.61	-115.41	-38.37	-6476.62
27	90	1.716e+04 -6144.30	106.79 -53.14	2.20e-03 -6.27e-04	-59.60 0.0	0.0 26.5	-8.69 -8.69	-409.96 -439.76	-3.02 -3.02	-113.31 -113.31	106.79 26.83	1.716e+04 5904.33
						53.0	-8.69	-469.57	-3.02	-113.31	-53.14	-6144.30
27	91	1.062e+04 -2612.76	40.23 -80.58	-4.74e-04 3.47e-03	-59.60 0.0	0.0 26.5	-3.76 -3.76	-219.87 -249.67	-2.28 -2.28	-42.22 -42.22	40.23 -20.17	1.062e+04 4398.36

						53.0	-3.76	-279.47	-2.28	-42.22	-80.58	-2612.76
27	98	8045.10	63.06	6.15e-04	-59.60	0.0	-2.49	-183.98	-2.17	-48.22	63.06	8045.10
		-3285.37	-52.17	-1.17e-03	0.0	26.5	-2.49	-213.78	-2.17	-48.22	5.44	2774.73
						53.0	-2.49	-243.58	-2.17	-48.22	-52.17	-3285.37
27	99	1.192e+04	99.87	1.58e-03	-59.60	0.0	-5.23	-287.26	-2.75	-82.72	99.87	1.192e+04
		-4884.98	-45.84	-3.18e-03	0.0	26.5	-5.23	-317.06	-2.75	-82.72	27.01	3911.90
						53.0	-5.23	-346.86	-2.75	-82.72	-45.84	-4884.98
27	100	8526.85	65.88	4.94e-04	-59.60	0.0	-2.71	-190.56	-2.34	-47.39	65.88	8526.85
		-3152.44	-58.08	-1.14e-03	0.0	26.5	-2.71	-220.36	-2.34	-47.39	3.90	3082.07
						53.0	-2.71	-250.17	-2.34	-47.39	-58.08	-3152.44
27	105	8045.10	63.06	6.15e-04	-59.60	0.0	-2.49	-183.98	-2.17	-48.22	63.06	8045.10
		-3285.37	-52.17	-1.17e-03	0.0	26.5	-2.49	-213.78	-2.17	-48.22	5.44	2774.73
						53.0	-2.49	-243.58	-2.17	-48.22	-52.17	-3285.37
27	106	1.037e+04	85.14	1.20e-03	-59.60	0.0	-4.13	-245.95	-2.52	-68.92	85.14	1.037e+04
		-4245.13	-48.37	-2.38e-03	0.0	26.5	-4.13	-275.75	-2.52	-68.92	18.39	3457.03
						53.0	-4.13	-305.55	-2.52	-68.92	-48.37	-4245.13
28	3	2910.74	819.97	-4.76e-03	-870.46	0.0	-96.55	418.86	-5.27	-14.73	819.97	-7151.30
		-8788.81	292.50	-3.95e-03	0.0	50.0	-96.55	-16.38	-5.27	-14.73	556.23	2910.74
						100.0	-96.55	-451.61	-5.27	-14.73	292.50	-8788.81
28	5	3856.01	538.78	-1.02e-03	-253.22	0.0	-24.24	36.45	-3.15	-8.69	538.78	3598.25
		-5417.97	223.61	9.03e-03	0.0	50.0	-24.24	-90.16	-3.15	-8.69	381.19	2255.36
						100.0	-24.24	-216.77	-3.15	-8.69	223.61	-5417.97
28	12	3272.36	502.29	-1.74e-03	-253.22	0.0	-16.80	55.20	-2.49	-9.70	502.29	2682.45
		-4458.37	253.11	9.27e-03	0.0	50.0	-16.80	-71.41	-2.49	-9.70	377.70	2277.27
						100.0	-16.80	-198.02	-2.49	-9.70	253.11	-4458.37
28	17	4970.60	1107.10	-3.06e-03	-717.46	0.0	-85.56	242.21	-7.45	-15.51	1107.10	904.86
		-1.075e+04	362.55	7.52e-03	0.0	50.0	-85.56	-116.52	-7.45	-15.51	734.83	4046.93
						100.0	-85.56	-475.26	-7.45	-15.51	362.55	-1.075e+04
28	19	8997.72	912.41	-1.25e-03	-253.22	0.0	-33.86	-45.66	-6.09	-10.71	912.41	8997.72
		-8229.45	303.08	0.02	0.0	50.0	-33.86	-172.27	-6.09	-10.71	607.75	3549.35
						100.0	-33.86	-298.88	-6.09	-10.71	303.08	-8229.45
28	21	5285.75	1114.25	-2.25e-03	-610.22	0.0	-81.96	174.93	-7.89	-13.59	1114.25	2798.76
		-1.022e+04	325.04	8.42e-03	0.0	50.0	-81.96	-130.18	-7.89	-13.59	719.64	3917.55
						100.0	-81.96	-435.29	-7.89	-13.59	325.04	-1.022e+04
28	27	2.151e+05	3423.60	-0.03	-368.82	0.0	79.97	-2944.20	53.05	7.43	-2478.06	2.151e+05
		-9.778e+04	-2478.06	0.11	0.0	50.0	79.97	-3128.61	53.05	7.43	472.77	6.327e+04
						100.0	79.97	-3313.02	53.05	7.43	3423.60	-9.778e+04
28	28	1.609e+05	973.23	-0.03	-368.82	0.0	156.21	-2168.17	-18.45	39.16	973.23	1.609e+05
		-7.436e+04	-439.41	0.18	0.0	50.0	156.21	-2352.58	-18.45	39.16	266.91	4.788e+04
						100.0	156.21	-2536.99	-18.45	39.16	-439.41	-7.436e+04
28	29	7.067e+04	666.17	0.03	-368.82	0.0	-203.87	2630.31	20.01	-52.33	-901.81	-1.739e+05
		-1.739e+05	-901.81	-0.19	0.0	50.0	-203.87	2445.90	20.01	-52.33	-117.82	-4.701e+04
						100.0	-203.87	2261.49	20.01	-52.33	666.17	7.067e+04
28	30	9.409e+04	2549.48	0.03	-368.82	0.0	-127.63	3406.34	-51.49	-20.60	2549.48	-2.281e+05
		-2.281e+05	-3196.84	-0.12	0.0	50.0	-127.63	3221.93	-51.49	-20.60	-323.68	-6.240e+04
						100.0	-127.63	3037.53	-51.49	-20.60	-3196.84	9.409e+04
28	51	1.229e+05	7205.72	-0.02	-368.82	0.0	-124.95	-1622.90	127.02	-44.56	-6207.13	1.229e+05
		-5.787e+04	-6207.13	-0.04	0.0	50.0	-124.95	-1807.31	127.02	-44.56	499.29	3.712e+04
						100.0	-124.95	-1991.72	127.02	-44.56	7205.72	-5.787e+04
28	54	5.419e+04	6278.54	0.01	-368.82	0.0	77.29	2085.04	-125.46	31.39	6278.54	-1.359e+05
		-1.359e+05	-6978.96	0.03	0.0	50.0	77.29	1900.63	-125.46	31.39	-350.21	-3.625e+04
						100.0	77.29	1716.22	-125.46	31.39	-6978.96	5.419e+04
28	59	1.002e+05	1753.22	-0.02	-368.82	0.0	26.14	-1298.04	27.06	-0.12	-1225.22	1.002e+05
		-4.804e+04	-1225.22	0.05	0.0	50.0	26.14	-1482.45	27.06	-0.12	264.00	3.069e+04
						100.0	26.14	-1666.86	27.06	-0.12	1753.22	-4.804e+04
28	60	7.412e+04	516.82	-0.01	-368.82	0.0	63.23	-924.43	-9.03	14.63	516.82	7.412e+04
		-3.677e+04	-187.55	0.08	0.0	50.0	63.23	-1108.84	-9.03	14.63	164.64	2.329e+04
						100.0	63.23	-1293.25	-9.03	14.63	-187.55	-3.677e+04
28	61	3.308e+04	414.31	0.01	-368.82	0.0	-110.89	1386.57	10.58	-27.80	-445.41	-8.713e+04
		-8.713e+04	-445.41	-0.09	0.0	50.0	-110.89	1202.16	10.58	-27.80	-15.55	-2.242e+04
						100.0	-110.89	1017.75	10.58	-27.80	414.31	3.308e+04
28	62	4.436e+04	1296.63	0.01	-368.82	0.0	-73.80	1760.18	-25.51	-13.05	1296.63	-1.132e+05
		-1.132e+05	-1526.46	-0.06	0.0	50.0	-73.80	1575.77	-25.51	-13.05	-114.92	-2.982e+04
						100.0	-73.80	1391.36	-25.51	-13.05	-1526.46	4.436e+04
28	83	5.576e+04	3666.62	-8.38e-03	-368.82	0.0	-73.49	-661.09	64.50	-24.33	-3110.03	5.576e+04
		-2.881e+04	-3110.03	-0.02	0.0	50.0	-73.49	-845.50	64.50	-24.33	278.29	1.809e+04
						100.0	-73.49	-1029.91	64.50	-24.33	3666.62	-2.881e+04
28	86	2.512e+04	3181.45	6.87e-03	-368.82	0.0	25.83	1123.23	-62.95	11.16	3181.45	-6.877e+04
		-6.877e+04	-3439.86	0.01	0.0	50.0	25.83	938.82	-62.95	11.16	-129.21	-1.722e+04
						100.0	25.83	754.41	-62.95	11.16	-3439.86	2.512e+04
28	87	2044.76	351.68	-1.29e-03	-266.82	0.0	-19.71	85.93	-1.65	-7.78	351.68	662.16
		-4085.39	186.57	5.07e-03	0.0	50.0	-19.71	-47.48	-1.65	-7.78	269.12	1623.61
						100.0	-19.71	-180.88	-1.65	-7.78	186.57	-4085.39
28	89	1974.28	543.90	-3.38e-03	-606.82	0.0	-65.52	296.02	-3.36	-10.53	543.90	-5241.60
		-5980.29	207.48	-2.98e-03	0.0	50.0	-65.52	-7.39	-3.36	-10.53	375.69	1974.28
						100.0	-65.52	-310.80	-3.36	-10.53	207.48	-5980.29
28	91	1866.92	327.35	-1.91e-03	-266.82	0.0	-14.75	98.44	-1.21	-8.45	327.35	51.63

		-3445.65	206.23	5.23e-03	0.0	50.0	-14.75	-34.97	-1.21	-8.45	266.79	1638.21
						100.0	-14.75	-168.38	-1.21	-8.45	206.23	-3445.65
28	94	4443.28	600.77	-1.09e-03	-266.82	0.0	-26.12	31.19	-3.61	-9.12	600.77	4261.81
		-5959.71	239.55	0.01	0.0	50.0	-26.12	-102.22	-3.61	-9.12	420.16	2486.27
						100.0	-26.12	-235.62	-3.61	-9.12	239.55	-5959.71
28	96	3264.26	735.33	-2.25e-03	-504.82	0.0	-58.19	178.26	-4.81	-11.04	735.33	129.17
		-7286.14	254.19	4.67e-03	0.0	50.0	-58.19	-74.15	-4.81	-11.04	494.76	2731.74
						100.0	-58.19	-326.56	-4.81	-11.04	254.19	-7286.14
28	99	847.17	117.56	-3.10e-03	-436.82	0.0	-32.99	273.09	0.43	-7.14	74.15	-7689.19
		-7689.19	74.15	-6.80e-03	0.0	50.0	-32.99	54.68	0.43	-7.14	95.86	504.95
						100.0	-32.99	-163.73	0.43	-7.14	117.56	-2221.36
28	100	588.27	111.04	-2.18e-03	-266.82	0.0	-9.10	170.54	1.38	-5.89	-26.83	-4859.41
		-4859.41	-26.83	-2.74e-03	0.0	50.0	-9.10	37.13	1.38	-5.89	42.11	332.54
						100.0	-9.10	-96.27	1.38	-5.89	111.04	-1145.96
28	104	914.68	160.25	-2.43e-03	-368.82	0.0	-27.04	203.70	-0.20	-7.26	160.25	-4708.61
		-4708.61	139.87	-2.57e-03	0.0	50.0	-27.04	19.29	-0.20	-7.26	150.06	866.15
						100.0	-27.04	-165.12	-0.20	-7.26	139.87	-2779.54
28	105	554.09	107.10	-2.05e-03	-266.82	0.0	-10.09	168.04	1.29	-5.76	-21.96	-4737.31
		-4737.31	-21.96	-2.77e-03	0.0	50.0	-10.09	34.63	1.29	-5.76	42.57	329.62
						100.0	-10.09	-98.77	1.29	-5.76	107.10	-1273.91
28	106	729.94	113.38	-2.68e-03	-368.82	0.0	-23.83	231.07	0.78	-6.59	35.71	-6508.44
		-6508.44	35.71	-5.19e-03	0.0	50.0	-23.83	46.66	0.78	-6.59	74.54	434.82
						100.0	-23.83	-137.75	0.78	-6.59	113.38	-1842.38
29	12	3257.89	3557.00	1.56e-03	-191.18	0.0	59.41	5.10	27.56	6.22	-1128.00	3257.89
		-1.213e+04	-1128.00	0.02	0.0	85.0	59.41	-90.49	27.56	6.22	1214.50	-371.43
						170.0	59.41	-186.08	27.56	6.22	3557.00	-1.213e+04
29	17	9415.88	7018.76	3.89e-03	-248.53	0.0	121.24	-66.43	54.93	25.19	-2319.89	9415.88
		-2.300e+04	-2319.89	0.02	0.0	85.0	121.24	-190.70	54.93	25.19	2349.44	-1512.15
						170.0	121.24	-314.96	54.93	25.19	7018.76	-2.300e+04
29	21	9617.96	6909.29	3.84e-03	-191.18	0.0	120.91	-80.82	54.14	23.75	-2294.66	9617.96
		-2.037e+04	-2294.66	0.02	0.0	85.0	120.91	-176.41	54.14	23.75	2307.31	-1314.09
						170.0	120.91	-272.00	54.14	23.75	6909.29	-2.037e+04
29	32	4421.73	4838.01	-5.99e-03	-191.18	0.0	-58.60	-14.06	-119.09	44.22	4838.01	4421.73
		-1.422e+04	-1.555e+04	0.18	0.0	85.0	-58.60	-109.65	-119.09	44.22	-5357.95	-836.64
						170.0	-58.60	-205.24	-119.09	44.22	-1.555e+04	-1.422e+04
29	33	-932.09	1.677e+04	2.75e-03	-191.18	0.0	72.82	90.19	128.37	-29.55	-5200.02	-4537.11
		-5452.16	-5200.02	-0.20	0.0	85.0	72.82	-5.39	128.37	-29.55	5784.73	-932.09
						170.0	72.82	-100.98	128.37	-29.55	1.677e+04	-5452.16
29	44	-901.09	5108.88	-6.13e-03	-191.18	0.0	-59.13	101.38	-113.64	48.89	5108.88	-5456.34
		-5456.34	-1.461e+04	0.70	0.0	85.0	-59.13	5.79	-113.64	48.89	-4748.99	-901.09
						170.0	-59.13	-89.80	-113.64	48.89	-1.461e+04	-4470.93
29	45	5340.96	1.582e+04	4.05e-03	-191.18	0.0	73.34	-25.24	122.92	-34.23	-5470.89	5340.96
		-1.520e+04	-5470.89	-0.72	0.0	85.0	73.34	-120.83	122.92	-34.23	5175.77	-867.64
						170.0	73.34	-216.42	122.92	-34.23	1.582e+04	-1.520e+04
29	51	1.182e+04	7565.70	4.49e-03	-191.18	0.0	36.08	-100.61	60.21	-10.84	5347.89	1.182e+04
		-2.154e+04	5347.89	-0.77	0.0	85.0	36.08	-196.20	60.21	-10.84	6456.79	-797.89
						170.0	36.08	-291.78	60.21	-10.84	7565.70	-2.154e+04
29	64	2152.18	2224.57	-4.04e-03	-191.18	0.0	-23.98	13.26	-54.25	23.23	2224.57	2074.82
		-1.192e+04	-7077.29	0.07	0.0	85.0	-23.98	-82.33	-54.25	23.23	-2426.36	-861.06
						170.0	-23.98	-177.92	-54.25	23.23	-7077.29	-1.192e+04
29	65	-436.46	8292.86	1.66e-03	-191.18	0.0	38.20	62.88	63.53	-8.56	-2586.59	-2190.20
		-7750.23	-2586.59	-0.09	0.0	85.0	38.20	-32.71	63.53	-8.56	2853.14	-907.67
						170.0	38.20	-128.30	63.53	-8.56	8292.86	-7750.23
29	83	5771.78	3918.81	2.41e-03	-191.18	0.0	20.90	-30.04	31.31	-0.59	2530.13	5771.78
		-1.559e+04	2530.13	-0.37	0.0	85.0	20.90	-125.62	31.31	-0.59	3224.47	-844.28
						170.0	20.90	-221.21	31.31	-0.59	3918.81	-1.559e+04
29	91	2042.44	2479.87	1.17e-03	-191.18	0.0	40.16	20.23	19.16	5.51	-776.80	1866.52
		-1.095e+04	-776.80	0.01	0.0	85.0	40.16	-75.36	19.16	5.51	851.54	-476.73
						170.0	40.16	-170.95	19.16	5.51	2479.87	-1.095e+04
29	96	6106.57	4714.73	2.66e-03	-191.18	0.0	81.16	-37.05	36.88	17.20	-1554.57	6106.57
		-1.644e+04	-1554.57	0.01	0.0	85.0	81.16	-132.64	36.88	17.20	1580.08	-1105.17
						170.0	81.16	-228.23	36.88	17.20	4714.73	-1.644e+04
29	100	172.52	297.99	-1.87e-03	-191.18	0.0	1.51	52.16	2.13	3.52	-64.44	-1028.56
		-8411.88	-64.44	-4.16e-03	0.0	85.0	1.51	-43.43	2.13	3.52	116.77	-657.67
						170.0	1.51	-139.02	2.13	3.52	297.99	-8411.88
29	104	1230.83	1349.43	-1.69e-03	-191.18	0.0	20.53	26.65	10.44	8.36	-426.18	918.49
		-1.080e+04	-426.18	-3.97e-03	0.0	85.0	20.53	-68.94	10.44	8.36	461.63	-879.08
						170.0	20.53	-164.53	10.44	8.36	1349.43	-1.080e+04
29	105	156.07	308.76	-1.76e-03	-191.18	0.0	1.91	51.57	2.23	3.79	-70.23	-1020.19
		-8502.79	-70.23	-4.23e-03	0.0	85.0	1.91	-44.02	2.23	3.79	119.26	-698.95
						170.0	1.91	-139.60	2.23	3.79	308.76	-8502.79
29	106	584.46	607.79	-2.14e-03	-191.18	0.0	7.11	38.07	4.64	7.33	-181.01	-57.69
		-9836.13	-181.01	-8.31e-03	0.0	85.0	7.11	-57.52	4.64	7.33	213.39	-884.37
						170.0	7.11	-153.11	4.64	7.33	607.79	-9836.13
30	3	1205.93	1804.96	-0.02	-67.31	0.0	-19.53	48.60	14.56	27.04	-670.43	-1772.40
		-1772.40	-670.43	-4.54e-03	0.0	85.0	-19.53	14.95	14.56	27.04	567.26	928.35
						170.0	-19.53	-18.71	14.56	27.04	1804.96	768.33

30	11	3076.21 -1461.23	1354.86 -509.99	-0.02 2.68e-03	-67.31 0.0	0.0 85.0 170.0	-27.54 -27.54 -27.54	59.95 26.30 -7.36	10.97 10.97 10.97	24.50 24.50 24.50	-509.99 422.43 1354.86	-1461.23 2204.38 3009.22
30	14	3175.99 -1192.61	1248.18 -471.61	-0.02 4.01e-03	-51.78 0.0	0.0 85.0 170.0	-22.84 -22.84 -22.84	51.59 25.70 -0.19	10.12 10.12 10.12	20.71 20.71 20.71	-471.61 388.28 1248.18	-1192.61 2091.98 3175.99
30	15	241.37 -2357.22	624.79 -306.01	-0.01 0.03	-67.31 0.0	0.0 85.0 170.0	-5.23 -5.23 -5.23	21.94 -11.72 -45.37	5.48 5.48 5.48	18.13 18.13 18.13	-306.01 159.39 624.79	-365.44 69.06 -2357.22
30	19	204.99 -2190.45	518.11 -267.63	-7.89e-03 0.03	-51.78 0.0	0.0 85.0 170.0	-0.53 -0.53 -0.53	13.57 12.32 -38.20	4.62 4.62 4.62	14.35 14.35 14.35	-267.63 125.24 518.11	-96.82 -43.34 -2190.45
30	31	3.305e+04 -3.135e+04	-5567.12 -6642.50	-0.01 -0.25	-51.78 0.0	0.0 85.0 170.0	-81.64 -81.64 -81.64	404.51 378.62 352.73	109.10 109.10 109.10	25.77 25.77 25.77	-5567.12 -6104.81 -6642.50	-3.135e+04 1946.28 3.305e+04
30	32	6.806e+04 -6.198e+04	-3164.66 -1.196e+04	-0.02 0.18	-51.78 0.0	0.0 85.0 170.0	-52.58 -52.58 -52.58	790.54 764.65 738.77	64.32 64.32 64.32	42.32 42.32 42.32	-3164.66 -7561.31 -1.196e+04	-6.198e+04 4137.39 6.806e+04
30	33	6.041e+04 -7.020e+04	1.306e+04 2774.97	-0.01 -0.20	-51.78 0.0	0.0 85.0 170.0	22.75 22.75 22.75	-742.08 -767.97 -793.86	-55.55 -55.55 -55.55	-20.03 -20.03 -20.03	2774.97 7916.99 1.306e+04	6.041e+04 -3193.32 -7.020e+04
30	34	2.978e+04 -3.518e+04	7743.54 5177.43	-0.01 0.23	-51.78 0.0	0.0 85.0 170.0	51.81 51.81 51.81	-356.05 -381.94 -407.83	-100.33 -100.33 -100.33	-3.47 -3.47 -3.47	5177.43 6460.49 7743.54	2.978e+04 -1602.21 -3.518e+04
30	44	7.277e+04 -6.560e+04	2557.95 -1.126e+04	-0.02 0.70	-51.78 0.0	0.0 85.0 170.0	17.86 17.86 17.86	839.61 813.72 787.83	-45.55 -45.55 -45.55	45.60 45.60 45.60	2557.95 -4352.93 -1.126e+04	-6.560e+04 4684.83 7.277e+04
30	45	6.403e+04 -7.491e+04	1.236e+04 -2947.64	-0.01 -0.72	-51.78 0.0	0.0 85.0 170.0	-47.70 -47.70 -47.70	-791.14 -817.03 -842.92	54.32 54.32 54.32	-23.31 -23.31 -23.31	-2947.64 4708.61 1.236e+04	6.403e+04 -4340.76 -7.491e+04
30	63	1.456e+04 -1.492e+04	-2747.88 -2938.04	-0.01 -0.13	-51.78 0.0	0.0 85.0 170.0	-46.66 -46.66 -46.66	199.21 173.32 147.43	54.06 54.06 54.06	17.69 17.69 17.69	-2747.88 -2842.96 -2938.04	-1.492e+04 923.86 1.456e+04
30	64	2.974e+04 -2.822e+04	-1629.05 -5383.74	-0.01 0.07	-51.78 0.0	0.0 85.0 170.0	-33.19 -33.19 -33.19	366.68 340.79 314.91	33.43 33.43 33.43	24.86 24.86 24.86	-1629.05 -3506.40 -5383.74	-2.822e+04 1855.35 2.974e+04
30	65	2.665e+04 -3.187e+04	6484.77 1239.37	-0.01 -0.09	-51.78 0.0	0.0 85.0 170.0	3.36 3.36 3.36	-318.22 -344.11 -370.00	-24.67 -24.67 -24.67	-2.56 -2.56 -2.56	1239.37 3862.07 6484.77	2.665e+04 -1511.28 -3.187e+04
30	66	1.334e+04 -1.670e+04	4039.08 2358.20	-0.01 0.11	-51.78 0.0	0.0 85.0 170.0	16.82 16.82 16.82	-150.75 -176.64 -202.53	-45.29 -45.29 -45.29	4.61 4.61 4.61	2358.20 3198.64 4039.08	1.334e+04 -579.79 -1.670e+04
30	76	3.118e+04 -2.920e+04	1071.79 -4939.06	-0.01 0.32	-51.78 0.0	0.0 85.0 170.0	0.02 0.02 0.02	380.97 355.08 329.19	-18.18 -18.18 -18.18	26.14 26.14 26.14	1071.79 -1933.64 -4939.06	-2.920e+04 2089.78 3.118e+04
30	77	2.763e+04 -3.332e+04	6040.10 -1461.47	-0.01 -0.34	-51.78 0.0	0.0 85.0 170.0	-29.86 -29.86 -29.86	-332.51 -358.40 -384.29	26.95 26.95 26.95	-3.84 -3.84 -3.84	6040.10 2289.31 -1461.47	2.763e+04 -1745.71 -3.332e+04
30	89	688.32 -1217.32	1236.81 -459.61	-0.02 -3.48e-03	-51.78 0.0	0.0 85.0 170.0	-14.49 -14.49 -14.49	34.10 8.21 -17.67	9.98 9.98 9.98	18.84 18.84 18.84	-459.61 388.60 1236.81	-1217.32 179.16 688.32
30	93	1840.52 -1009.87	936.75 -352.64	-0.02 1.26e-03	-51.78 0.0	0.0 85.0 170.0	-19.83 -19.83 -19.83	41.67 15.78 -10.11	7.58 7.58 7.58	17.14 17.14 17.14	-352.64 292.05 936.75	-1009.87 1431.90 1840.52
30	94	158.35 -1904.54	450.03 -216.66	-8.24e-03 0.02	-51.78 0.0	0.0 85.0 170.0	-4.96 -4.96 -4.96	16.33 -9.56 -35.45	3.92 3.92 3.92	12.90 12.90 12.90	-216.66 116.69 450.03	-279.34 8.35 -1904.54
30	99	287.83 -954.32	720.20 -252.04	-0.01 -0.01	-51.78 0.0	0.0 85.0 170.0	-16.18 -16.18 -16.18	27.55 1.66 -24.23	5.72 5.72 5.72	12.66 12.66 12.66	-252.04 234.08 720.20	-954.32 287.83 -954.32
30	102	376.77 -795.93	541.41 -190.61	-0.01 -8.06e-03	-51.78 0.0	0.0 85.0 170.0	-16.36 -16.36 -16.36	26.74 0.85 -25.04	4.31 4.31 4.31	11.26 11.26 11.26	-190.61 175.40 541.41	-795.93 376.77 -795.93
30	103	85.66 -1713.42	326.81 -130.57	-8.29e-03 6.58e-04	-51.78 0.0	0.0 85.0 170.0	-11.41 -11.41 -11.41	18.67 -7.22 -33.11	2.69 2.69 2.69	9.69 9.69 9.69	-130.57 98.12 326.81	-1713.42 0.92 -85.66
30	105	71.40 -1665.64	296.00 -109.04	-8.30e-03 -4.13e-03	-51.78 0.0	0.0 85.0 170.0	-13.03 -13.03 -13.03	19.25 -6.64 -32.53	2.38 2.38 2.38	8.89 8.89 8.89	-109.04 93.48 296.00	-1665.64 -0.94 -1665.64
30	106	172.46 -1069.20	550.52 -194.84	-0.01 -8.13e-03	-51.78 0.0	0.0 85.0 170.0	-14.92 -14.92 -14.92	24.23 -1.66 -27.55	4.38 4.38 4.38	11.15 11.15 11.15	-194.84 177.84 550.52	-1069.20 -787.32 -1069.20
31	3	7.522e+04 0.0	195.88 -258.16	-0.59 0.04	-1287.29 0.0	0.0 165.4 330.7	1676.73 1221.41 766.09	766.17 122.53 -521.12	1.37 1.37 1.37	37.63 37.63 37.63	-258.16 -31.14 195.88	0.0 7.348e+04 4.052e+04
31	4	7.513e+04 0.0	194.77 -258.16	-0.59 0.03	-1287.29 0.0	0.0 165.4 330.7	1679.19 1223.87 765.72	765.72 122.08 122.08	1.37 1.37 1.37	37.32 37.32 37.32	-258.16 -31.70 194.77	0.0 7.341e+04 7.513e+04

						330.7	768.55	-521.57	1.37	37.32	194.77	4.037e+04
31	15	1.897e+04	477.93	-0.15	-315.29	0.0	360.42	190.30	-1.42	-2.99	477.93	0.0
		0.0	9.68	0.15	0.0	165.4	248.90	32.66	-1.42	-2.99	243.81	1.843e+04
						330.7	137.38	-124.99	-1.42	-2.99	9.68	1.080e+04
31	19	1.434e+04	528.59	-0.11	-231.07	0.0	250.80	141.58	-1.61	-5.81	528.59	0.0
		0.0	-3.31	0.15	0.0	165.4	169.07	26.04	-1.61	-5.81	262.64	1.386e+04
						330.7	87.34	-89.49	-1.61	-5.81	-3.31	8613.33
31	20	1.425e+04	528.59	-0.11	-231.07	0.0	253.26	141.13	-1.61	-6.11	528.59	0.0
		0.0	-4.42	0.15	0.0	165.4	171.53	25.60	-1.61	-6.11	262.08	1.379e+04
						330.7	89.80	-89.94	-1.61	-6.11	-4.42	8465.60
31	32	1.538e+04	-661.83	-0.08	-431.95	0.0	831.42	200.75	23.90	-125.88	-6976.80	0.0
		-5035.17	-6976.80	-0.20	0.0	165.4	678.64	-15.22	23.90	-125.88	-3819.32	1.534e+04
						330.7	525.86	-231.20	23.90	-125.88	-661.83	-5035.17
31	33	3.536e+04	6527.73	-0.30	-431.95	0.0	304.67	304.00	-22.11	155.35	6527.73	0.0
		0.0	802.83	0.16	0.0	165.4	151.89	88.03	-22.11	155.35	3665.28	3.241e+04
						330.7	-0.89	-127.94	-22.11	155.35	802.83	2.911e+04
31	44	1.453e+04	286.81	-0.07	-431.95	0.0	845.82	194.91	23.04	37.81	-6894.13	0.0
		-6965.03	-6894.13	-0.72	0.0	165.4	693.04	-21.06	23.04	37.81	-3303.66	1.437e+04
						330.7	540.26	-237.03	23.04	37.81	286.81	-6965.03
31	45	3.669e+04	6445.06	-0.32	-431.95	0.0	290.27	309.84	-21.25	-8.33	6445.06	0.0
		0.0	-145.81	0.68	0.0	165.4	137.49	93.87	-21.25	-8.33	3149.62	3.338e+04
						330.7	-15.29	-122.11	-21.25	-8.33	-145.81	3.104e+04
31	64	1.993e+04	-283.46	-0.14	-431.95	0.0	688.31	228.52	11.57	-53.10	-3344.01	0.0
		0.0	-3344.01	-0.10	0.0	165.4	535.53	12.55	11.57	-53.10	-1813.74	1.993e+04
						330.7	382.75	-203.42	11.57	-53.10	-283.46	4150.16
31	65	2.920e+04	2894.94	-0.24	-431.95	0.0	447.78	276.23	-9.78	82.58	2894.94	0.0
		0.0	424.46	-0.07	0.0	165.4	295.00	60.26	-9.78	82.58	1659.70	2.782e+04
						330.7	142.22	-155.72	-9.78	82.58	424.46	1.993e+04
31	73	2.794e+04	2504.39	-0.24	-431.95	0.0	489.27	270.16	-8.27	4.36	2504.39	0.0
		0.0	-30.15	0.32	0.0	165.4	336.49	54.19	-8.27	4.36	1237.12	2.682e+04
						330.7	183.71	-161.79	-8.27	4.36	-30.15	1.792e+04
31	76	1.950e+04	166.43	-0.13	-431.95	0.0	692.23	225.91	10.91	25.54	-3229.91	0.0
		0.0	-3229.91	-0.34	0.0	165.4	539.45	9.94	10.91	25.54	-1531.74	1.950e+04
						330.7	386.67	-206.03	10.91	25.54	166.43	3287.32
31	77	2.974e+04	2780.83	-0.25	-431.95	0.0	443.86	278.84	-9.12	3.93	2780.83	0.0
		0.0	-25.43	0.30	0.0	165.4	291.08	62.87	-9.12	3.93	1377.70	2.825e+04
						330.7	138.30	-153.11	-9.12	3.93	-25.43	2.079e+04
31	89	5.160e+04	134.74	-0.41	-885.55	0.0	1153.32	526.38	0.97	25.94	-185.44	0.0
		0.0	-185.44	0.02	0.0	165.4	840.10	83.61	0.97	25.94	-25.35	5.044e+04
						330.7	526.88	-359.16	0.97	25.94	134.74	2.765e+04
31	90	5.154e+04	133.99	-0.40	-885.55	0.0	1154.96	526.09	0.97	25.73	-185.44	0.0
		0.0	-185.44	0.02	0.0	165.4	841.74	83.31	0.97	25.73	-25.72	5.039e+04
						330.7	528.51	-359.46	0.97	25.73	133.99	2.755e+04
31	94	1.411e+04	305.29	-0.11	-237.55	0.0	275.78	142.47	-0.89	-1.14	305.29	0.0
		0.0	10.60	0.10	0.0	165.4	191.76	23.70	-0.89	-1.14	157.95	1.374e+04
						330.7	107.74	-95.07	-0.89	-1.14	10.60	7837.81
31	95	1.404e+04	305.29	-0.11	-237.55	0.0	277.42	142.17	-0.89	-1.35	305.29	0.0
		0.0	9.86	0.10	0.0	165.4	193.39	23.40	-0.89	-1.35	157.58	1.369e+04
						330.7	109.37	-95.37	-0.89	-1.35	9.86	7739.33
31	99	3.194e+04	93.27	-0.25	-561.55	0.0	740.92	329.64	1.15	19.45	-287.90	0.0
		0.0	-287.90	-0.03	0.0	165.4	542.30	48.86	1.15	19.45	-97.32	3.130e+04
						330.7	343.67	-231.91	1.15	19.45	93.27	1.616e+04
31	103	1.318e+04	31.20	-0.10	-237.55	0.0	302.15	137.68	0.22	5.91	-42.53	0.0
		0.0	-42.53	0.01	0.0	165.4	218.13	18.91	0.22	5.91	-5.67	1.295e+04
						330.7	134.10	-99.87	0.22	5.91	31.20	6253.35
31	105	1.296e+04	36.35	-0.10	-237.55	0.0	308.74	136.48	0.50	7.67	-129.49	0.0
		0.0	-129.49	-9.59e-03	0.0	165.4	224.72	17.71	0.50	7.67	-46.57	1.275e+04
						330.7	140.70	-101.06	0.50	7.67	36.35	5857.23
31	106	2.435e+04	70.50	-0.19	-431.95	0.0	568.05	252.38	0.89	14.74	-224.54	0.0
		0.0	-224.54	-0.02	0.0	165.4	415.26	36.40	0.89	14.74	-77.02	2.388e+04
						330.7	262.48	-179.57	0.89	14.74	70.50	1.204e+04
32	3	1.595e+04	1.019e+04	-0.06	-599.40	0.0	224.32	321.60	-46.59	2.34	1.019e+04	-1.934e+04
		-1.934e+04	-8917.53	0.32	0.0	205.0	224.32	21.90	-46.59	2.34	633.84	1.587e+04
						410.0	224.32	-277.80	-46.59	2.34	-8917.53	-1.036e+04
32	7	1.316e+04	9991.77	-0.05	-461.08	0.0	222.16	251.85	-45.69	2.91	9991.77	-1.502e+04
		-1.502e+04	-8740.59	0.31	0.0	205.0	222.16	21.31	-45.69	2.91	625.59	1.298e+04
						410.0	222.16	-209.23	-45.69	2.91	-8740.59	-6281.95
32	16	1.216e+04	1.215e+04	-0.04	-599.40	0.0	417.17	284.89	-54.98	20.49	1.215e+04	-1.552e+04
		-2.160e+04	-1.039e+04	0.46	0.0	205.0	417.17	-14.81	-54.98	20.49	880.45	1.216e+04
						410.0	417.17	-314.51	-54.98	20.49	-1.039e+04	-2.160e+04
32	17	1.472e+04	1.401e+04	-0.05	-599.40	0.0	387.99	306.06	-63.75	13.87	1.401e+04	-1.730e+04
		-1.730e+04	-1.212e+04	0.49	0.0	205.0	387.99	6.35	-63.75	13.87	945.05	1.472e+04
						410.0	387.99	-293.35	-63.75	13.87	-1.212e+04	-1.469e+04
32	33	1.064e+04	3.364e+04	-0.04	-461.08	0.0	120.19	251.15	-162.09	-48.29	3.364e+04	-1.738e+04
		-1.738e+04	-3.281e+04	-0.32	0.0	205.0	120.19	20.61	-162.09	-48.29	413.40	1.048e+04
						410.0	120.19	-209.92	-162.09	-48.29	-3.281e+04	-8910.00
32	38	1.101e+04	2.020e+04	-0.04	-461.08	0.0	369.27	261.48	-97.28	-29.34	2.020e+04	-1.941e+04

		-1.941e+04	-1.968e+04	-0.19	0.0	205.0	369.27	30.94	-97.28	-29.34	260.83	1.058e+04
						410.0	369.27	-199.59	-97.28	-29.34	-1.968e+04	-6684.53
32	51	1.005e+04	1.517e+04	-0.03	-461.08	0.0	-513.85	212.98	-73.04	-24.00	1.517e+04	-1.005e+04
		-1.727e+04	-1.478e+04	-0.10	0.0	205.0	-513.85	-17.56	-73.04	-24.00	196.87	9968.93
						410.0	-513.85	-248.09	-73.04	-24.00	-1.478e+04	-1.727e+04
32	54	1.099e+04	1.282e+04	-0.05	-461.08	0.0	524.91	262.85	63.09	17.52	-1.305e+04	-1.974e+04
		-1.974e+04	-1.305e+04	0.12	0.0	205.0	524.91	32.32	63.09	17.52	-112.38	1.053e+04
						410.0	524.91	-198.22	63.09	17.52	1.282e+04	-6459.91
32	65	1.036e+04	1.654e+04	-0.04	-461.08	0.0	57.32	244.24	-79.60	-23.66	1.654e+04	-1.608e+04
		-1.608e+04	-1.610e+04	-0.12	0.0	205.0	57.32	13.70	-79.60	-23.66	219.25	1.036e+04
						410.0	57.32	-216.84	-79.60	-23.66	-1.610e+04	-1.045e+04
32	70	1.052e+04	1.024e+04	-0.04	-461.08	0.0	179.72	249.28	-49.24	-15.08	1.024e+04	-1.707e+04
		-1.707e+04	-9947.12	-0.07	0.0	205.0	179.72	18.74	-49.24	-15.08	147.30	1.041e+04
						410.0	179.72	-211.80	-49.24	-15.08	-9947.12	-9370.11
32	83	1.012e+04	7759.05	-0.03	-461.08	0.0	-248.50	225.78	-37.28	-12.71	7759.05	-1.253e+04
		-1.449e+04	-7526.59	-0.03	0.0	205.0	-248.50	-4.76	-37.28	-12.71	116.23	1.012e+04
						410.0	-248.50	-235.30	-37.28	-12.71	-7526.59	-1.449e+04
32	86	1.052e+04	5572.27	-0.04	-461.08	0.0	259.56	250.06	27.34	6.24	-5635.76	-1.725e+04
		-1.725e+04	-5635.76	0.06	0.0	205.0	259.56	19.52	27.34	6.24	-31.75	1.038e+04
						410.0	259.56	-211.02	27.34	6.24	5572.27	-9238.42
32	89	1.185e+04	6853.88	-0.04	-461.08	0.0	151.21	245.27	-31.36	1.41	6853.88	-1.481e+04
		-1.481e+04	-6003.29	0.21	0.0	205.0	151.21	14.73	-31.36	1.41	425.29	1.184e+04
						410.0	151.21	-215.81	-31.36	1.41	-6003.29	-8767.66
32	95	9366.81	8164.70	-0.03	-461.08	0.0	279.78	220.80	-36.95	13.51	8164.70	-1.227e+04
		-1.626e+04	-6985.30	0.31	0.0	205.0	279.78	-9.74	-36.95	13.51	589.70	9366.81
						410.0	279.78	-240.28	-36.95	13.51	-6985.30	-1.626e+04
32	96	1.108e+04	9406.55	-0.04	-461.08	0.0	260.33	234.91	-42.80	9.10	9406.55	-1.345e+04
		-1.345e+04	-8141.01	0.33	0.0	205.0	260.33	4.37	-42.80	9.10	632.77	1.108e+04
						410.0	260.33	-226.17	-42.80	9.10	-8141.01	-1.166e+04
32	99	1.073e+04	1403.07	-0.04	-461.08	0.0	2.40	241.90	-6.58	-4.44	1403.07	-1.523e+04
		-1.523e+04	-1293.60	0.02	0.0	205.0	2.40	11.36	-6.58	-4.44	54.74	1.073e+04
						410.0	2.40	-219.18	-6.58	-4.44	-1293.60	-1.057e+04
32	103	9510.22	2081.90	-0.03	-461.08	0.0	62.43	229.75	-9.49	1.50	2081.90	-1.396e+04
		-1.428e+04	-1808.69	0.07	0.0	205.0	62.43	-0.79	-9.49	1.50	136.61	9510.22
						410.0	62.43	-231.33	-9.49	1.50	-1808.69	-1.428e+04
32	104	1.023e+04	2594.05	-0.04	-461.08	0.0	57.74	235.72	-11.90	-0.29	2594.05	-1.447e+04
		-1.447e+04	-2283.35	0.07	0.0	205.0	57.74	5.18	-11.90	-0.29	155.35	1.023e+04
						410.0	57.74	-225.35	-11.90	-0.29	-2283.35	-1.234e+04
32	105	9535.74	549.49	-0.03	-461.08	0.0	10.22	231.95	-2.57	-1.44	549.49	-1.438e+04
		-1.438e+04	-502.50	7.65e-03	0.0	205.0	10.22	1.41	-2.57	-1.44	23.50	9535.74
						410.0	10.22	-229.13	-2.57	-1.44	-502.50	-1.381e+04
32	106	1.025e+04	1061.64	-0.04	-461.08	0.0	5.53	237.92	-4.97	-3.24	1061.64	-1.489e+04
		-1.489e+04	-977.16	0.01	0.0	205.0	5.53	7.38	-4.97	-3.24	42.24	1.025e+04
						410.0	5.53	-223.16	-4.97	-3.24	-977.16	-1.187e+04
33	3	9125.50	6448.59	0.03	-599.40	0.0	-855.19	203.70	6.76	8.58	3675.61	-4973.43
		-4.433e+04	3675.61	0.32	0.0	205.0	-855.19	-96.00	6.76	8.58	5062.10	6065.12
						410.0	-855.19	-395.70	6.76	8.58	6448.59	-4.433e+04
33	4	8886.51	6513.86	0.03	-599.40	0.0	-887.00	211.20	7.08	8.98	3610.02	-6306.43
		-4.259e+04	3610.02	0.31	0.0	205.0	-887.00	-88.50	7.08	8.98	5061.94	6271.00
						410.0	-887.00	-388.20	7.08	8.98	6513.86	-4.259e+04
33	9	1.195e+04	9003.22	-0.04	-599.40	0.0	-158.79	314.06	19.69	12.49	929.12	-2.171e+04
		-2.171e+04	929.12	0.28	0.0	205.0	-158.79	14.35	19.69	12.49	4966.17	1.195e+04
						410.0	-158.79	-285.35	19.69	12.49	9003.22	-1.583e+04
33	12	9331.09	9183.55	-0.03	-461.08	0.0	-68.07	245.46	20.61	13.44	732.81	-1.737e+04
		-1.737e+04	732.81	0.28	0.0	205.0	-68.07	14.92	20.61	13.44	4958.18	9318.04
						410.0	-68.07	-215.62	20.61	13.44	9183.55	-1.125e+04
33	19	8906.42	1.542e+04	-0.03	-461.08	0.0	157.89	230.92	34.98	22.48	1077.17	-1.480e+04
		-1.480e+04	1077.17	0.46	0.0	205.0	157.89	0.38	34.98	22.48	8248.70	8906.42
						410.0	157.89	-230.16	34.98	22.48	1.542e+04	-1.465e+04
33	20	9112.30	1.549e+04	-0.03	-461.08	0.0	126.08	238.43	35.30	22.88	1011.58	-1.614e+04
		-1.614e+04	1011.58	0.46	0.0	205.0	126.08	7.89	35.30	22.88	8248.54	9112.30
						410.0	126.08	-222.65	35.30	22.88	1.549e+04	-1.290e+04
33	32	1.959e+04	2.926e+04	-0.04	-461.08	0.0	-914.00	385.27	150.25	50.25	-3.234e+04	-4.636e+04
		-4.636e+04	-3.234e+04	0.35	0.0	205.0	-914.00	154.73	150.25	50.25	-1537.85	8993.83
						410.0	-914.00	-75.81	150.25	50.25	2.926e+04	1.709e+04
33	33	2.344e+04	3.450e+04	-0.04	-461.08	0.0	99.90	35.77	-160.39	-55.99	3.450e+04	2.290e+04
		-5.697e+04	-3.126e+04	-0.32	0.0	205.0	99.90	-194.77	-160.39	-55.99	1623.42	6593.04
						410.0	99.90	-425.31	-160.39	-55.99	-3.126e+04	-5.697e+04
33	45	2.591e+04	3.248e+04	-0.04	-461.08	0.0	102.07	21.41	-151.01	-53.36	3.248e+04	2.573e+04
		-6.003e+04	-2.944e+04	-0.32	0.0	205.0	102.07	-209.13	-151.01	-53.36	1517.58	6480.26
						410.0	102.07	-439.67	-151.01	-53.36	-2.944e+04	-6.003e+04
33	52	1.811e+04	2.642e+04	-0.04	-461.08	0.0	-918.03	373.40	135.66	45.40	-2.920e+04	-4.390e+04
		-4.390e+04	-2.920e+04	0.28	0.0	205.0	-918.03	142.86	135.66	45.40	-1391.35	9025.52
						410.0	-918.03	-87.68	135.66	45.40	2.642e+04	1.469e+04
33	53	2.140e+04	3.137e+04	-0.03	-461.08	0.0	103.93	47.64	-145.80	-51.13	3.137e+04	2.044e+04
		-5.457e+04	-2.841e+04	-0.25	0.0	205.0	103.93	-182.90	-145.80	-51.13	1476.92	6561.34
						410.0	103.93	-413.44	-145.80	-51.13	-2.841e+04	-5.457e+04

33	65	1.141e+04	1.697e+04	-0.03	-461.08	0.0	-184.59	133.57	-78.88	-26.69	1.697e+04	3530.80
		-3.623e+04	-1.538e+04	-0.13	0.0	205.0	-184.59	-96.97	-78.88	-26.69	795.43	7278.83
						410.0	-184.59	-327.51	-78.88	-26.69	-1.538e+04	-3.623e+04
33	77	1.179e+04	1.571e+04	-0.03	-461.08	0.0	-181.68	128.43	-73.07	-25.40	1.571e+04	4534.26
		-3.734e+04	-1.425e+04	-0.13	0.0	205.0	-181.68	-102.11	-73.07	-25.40	732.06	7226.86
						410.0	-181.68	-332.65	-73.07	-25.40	-1.425e+04	-3.734e+04
33	84	9521.99	1.208e+04	-0.03	-461.08	0.0	-633.68	282.53	62.06	18.82	-1.336e+04	-2.596e+04
		-2.596e+04	-1.336e+04	0.12	0.0	205.0	-633.68	51.99	62.06	18.82	-642.49	8333.03
						410.0	-633.68	-178.55	62.06	18.82	1.208e+04	-4633.80
33	85	1.101e+04	1.553e+04	-0.03	-461.08	0.0	-180.42	138.51	-72.19	-24.55	1.553e+04	2495.15
		-3.525e+04	-1.407e+04	-0.09	0.0	205.0	-180.42	-92.03	-72.19	-24.55	728.06	7253.84
						410.0	-180.42	-322.57	-72.19	-24.55	-1.407e+04	-3.525e+04
33	89	7045.78	4239.88	0.02	-461.08	0.0	-599.39	166.50	4.21	5.52	2515.31	-5261.94
		-3.152e+04	2515.31	0.21	0.0	205.0	-599.39	-64.04	4.21	5.52	3377.59	5240.79
						410.0	-599.39	-294.58	4.21	5.52	4239.88	-3.152e+04
33	90	6926.55	4283.39	0.02	-461.08	0.0	-620.60	171.51	4.42	5.78	2471.58	-6150.61
		-3.035e+04	2471.58	0.21	0.0	205.0	-620.60	-59.03	4.42	5.78	3377.48	5378.05
						410.0	-620.60	-289.57	4.42	5.78	4283.39	-3.035e+04
33	91	9162.14	5942.96	-0.03	-461.08	0.0	-135.13	240.07	12.83	8.12	684.32	-1.642e+04
		-1.642e+04	684.32	0.19	0.0	205.0	-135.13	9.54	12.83	8.12	3313.64	9162.14
						410.0	-135.13	-221.00	12.83	8.12	5942.96	-1.251e+04
33	94	8887.73	1.010e+04	-0.03	-461.08	0.0	15.51	230.38	22.41	14.14	913.89	-1.471e+04
		-1.477e+04	913.89	0.31	0.0	205.0	15.51	-0.15	22.41	14.14	5507.32	8887.73
						410.0	15.51	-230.69	22.41	14.14	1.010e+04	-1.477e+04
33	95	9024.98	1.014e+04	-0.03	-461.08	0.0	-5.70	235.39	22.62	14.41	870.16	-1.560e+04
		-1.560e+04	870.16	0.31	0.0	205.0	-5.70	4.85	22.62	14.41	5507.21	9024.98
						410.0	-5.70	-225.69	22.62	14.41	1.014e+04	-1.361e+04
33	99	7533.61	1430.36	-0.02	-461.08	0.0	-508.39	197.81	-6.71	-3.28	1430.36	-9856.00
		-2.328e+04	-1319.30	0.02	0.0	205.0	-508.39	-32.73	-6.71	-3.28	55.53	7064.07
						410.0	-508.39	-263.27	-6.71	-3.28	-1319.30	-2.328e+04
33	100	8942.39	541.10	-0.03	-461.08	0.0	-263.53	231.59	-2.52	-2.14	541.10	-1.490e+04
		-1.490e+04	-493.86	7.20e-03	0.0	205.0	-263.53	1.05	-2.52	-2.14	23.62	8942.39
						410.0	-263.53	-229.49	-2.52	-2.14	-493.86	-1.447e+04
33	103	8887.53	1611.14	-0.03	-461.08	0.0	-200.93	229.75	2.39	1.03	629.65	-1.458e+04
		-1.490e+04	629.65	0.07	0.0	205.0	-200.93	-0.79	2.39	1.03	1120.39	8887.53
						410.0	-200.93	-231.33	2.39	1.03	1611.14	-1.490e+04
33	105	8887.48	558.59	-0.03	-461.08	0.0	-255.04	229.59	-2.61	-2.25	558.59	-1.455e+04
		-1.494e+04	-511.27	7.53e-03	0.0	205.0	-255.04	-0.95	-2.61	-2.25	23.66	8887.48
						410.0	-255.04	-231.49	-2.61	-2.25	-511.27	-1.494e+04
33	106	7937.22	1081.65	-0.02	-461.08	0.0	-407.05	210.52	-5.07	-2.87	1081.65	-1.173e+04
		-1.994e+04	-996.08	0.01	0.0	205.0	-407.05	-20.02	-5.07	-2.87	42.78	7793.43
						410.0	-407.05	-250.56	-5.07	-2.87	-996.08	-1.994e+04
34	3	3.223e+04	3.396e+04	-0.02	-547.67	0.0	150.82	-59.70	200.32	-36.54	-2.213e+04	3.223e+04
		-6.116e+04	-2.213e+04	-0.06	0.0	140.0	150.82	-333.54	200.32	-36.54	5914.06	4702.27
						280.0	150.82	-607.37	200.32	-36.54	3.396e+04	-6.116e+04
34	16	7.052e+04	5.313e+04	-0.04	-547.67	0.0	517.79	-333.43	308.88	1.31	-3.335e+04	7.052e+04
		-9.951e+04	-3.335e+04	-0.06	0.0	140.0	517.79	-607.27	308.88	1.31	9889.85	4671.63
						280.0	517.79	-881.10	308.88	1.31	5.313e+04	-9.951e+04
34	17	6.735e+04	5.448e+04	-0.03	-547.67	0.0	391.75	-311.97	318.57	-25.07	-3.472e+04	6.735e+04
		-9.668e+04	-3.472e+04	-0.08	0.0	140.0	391.75	-585.81	318.57	-25.07	9877.91	4503.78
						280.0	391.75	-859.64	318.57	-25.07	5.448e+04	-9.668e+04
34	19	7.387e+04	5.305e+04	-0.03	-421.28	0.0	483.90	-396.11	308.28	0.49	-3.327e+04	7.387e+04
		-9.602e+04	-3.327e+04	-0.06	0.0	140.0	483.90	-606.75	308.28	0.49	9892.21	3665.43
						280.0	483.90	-817.39	308.28	0.49	5.305e+04	-9.602e+04
34	20	7.385e+04	5.300e+04	-0.03	-421.28	0.0	520.71	-398.41	307.90	2.05	-3.321e+04	7.385e+04
		-9.669e+04	-3.321e+04	-0.06	0.0	140.0	520.71	-609.06	307.90	2.05	9891.21	3325.56
						280.0	520.71	-819.70	307.90	2.05	5.300e+04	-9.669e+04
34	31	1.054e+05	1.198e+04	-0.05	-421.28	0.0	611.86	-631.10	-89.67	3.78	1.198e+04	1.054e+05
		-1.303e+05	-1.313e+04	0.37	0.0	140.0	611.86	-841.74	-89.67	3.78	-578.19	2279.11
						280.0	611.86	-1052.39	-89.67	3.78	-1.313e+04	-1.303e+05
34	32	1.881e+05	2.128e+04	-0.07	-421.28	0.0	370.28	-1232.99	-159.14	17.37	2.128e+04	1.881e+05
		-2.161e+05	-2.327e+04	0.65	0.0	140.0	370.28	-1443.63	-159.14	17.37	-994.37	739.35
						280.0	370.28	-1654.28	-159.14	17.37	-2.327e+04	-2.161e+05
34	33	1.983e+05	2.478e+04	-0.08	-421.28	0.0	-463.45	1672.69	169.99	-34.92	-2.282e+04	-2.111e+05
		-2.111e+05	-2.282e+04	-0.67	0.0	140.0	-463.45	1462.05	169.99	-34.92	979.64	8324.77
						280.0	-463.45	1251.41	169.99	-34.92	2.478e+04	1.983e+05
34	34	1.125e+05	1.464e+04	-0.04	-421.28	0.0	-705.03	1070.80	100.53	-21.32	-1.351e+04	-1.284e+05
		-1.284e+05	-1.351e+04	-0.39	0.0	140.0	-705.03	860.16	100.53	-21.32	563.46	6785.01
						280.0	-705.03	649.52	100.53	-21.32	1.464e+04	1.125e+05
34	56	7.803e+04	5459.51	-0.03	-421.28	0.0	130.70	-431.66	-41.02	-1.44	5459.51	7.803e+04
		-1.018e+05	-6026.28	0.19	0.0	140.0	130.70	-642.30	-41.02	-1.44	-283.39	2854.36
						280.0	130.70	-852.95	-41.02	-1.44	-6026.28	-1.018e+05
34	57	8.397e+04	7531.34	-0.04	-421.28	0.0	-223.88	871.36	51.88	-16.11	-6994.04	-1.010e+05
		-1.010e+05	-6994.04	-0.21	0.0	140.0	-223.88	660.72	51.88	-16.11	268.65	6209.76
						280.0	-223.88	450.08	51.88	-16.11	7531.34	8.397e+04
34	63	4.111e+04	5415.31	-0.02	-421.28	0.0	255.30	-163.23	-40.71	-3.21	5415.31	4.111e+04
		-6.358e+04	-5983.66	0.16	0.0	140.0	255.30	-373.87	-40.71	-3.21	-284.17	3511.30

						280.0	255.30	-584.51	-40.71	-3.21	-5983.66	-6.358e+04
34	65	8.362e+04	1.217e+04	-0.04	-421.28	0.0	-238.07	868.73	83.62	-20.20	-1.125e+04	-1.006e+05
		-1.006e+05	-1.125e+04	-0.31	0.0	140.0	-238.07	658.09	83.62	-20.20	461.22	6237.22
						280.0	-238.07	447.45	83.62	-20.20	1.217e+04	8.362e+04
34	66	4.573e+04	7488.72	-0.02	-421.28	0.0	-348.47	602.93	51.57	-14.34	-6949.84	-6.411e+04
		-6.411e+04	-6949.84	-0.19	0.0	140.0	-348.47	392.29	51.57	-14.34	269.44	5552.82
						280.0	-348.47	181.65	51.57	-14.34	7488.72	4.573e+04
34	89	2.012e+04	2.268e+04	-0.02	-421.28	0.0	96.60	-11.44	133.87	-24.50	-1.480e+04	2.012e+04
		-4.206e+04	-1.480e+04	-0.04	0.0	140.0	96.60	-222.08	133.87	-24.50	3942.30	3777.48
						280.0	96.60	-432.72	133.87	-24.50	2.268e+04	-4.206e+04
34	94	4.566e+04	3.550e+04	-0.02	-421.28	0.0	316.71	-192.39	206.50	-0.31	-2.232e+04	4.566e+04
		-6.719e+04	-2.232e+04	-0.04	0.0	140.0	316.71	-403.04	206.50	-0.31	6593.50	3983.65
						280.0	316.71	-613.68	206.50	-0.31	3.550e+04	-6.719e+04
34	95	4.565e+04	3.547e+04	-0.02	-421.28	0.0	341.25	-193.93	206.24	0.73	-2.228e+04	4.565e+04
		-6.763e+04	-2.228e+04	-0.04	0.0	140.0	341.25	-404.57	206.24	0.73	6592.83	3757.06
						280.0	341.25	-615.21	206.24	0.73	3.547e+04	-6.763e+04
34	96	4.354e+04	3.636e+04	-0.02	-421.28	0.0	257.22	-179.62	212.70	-16.86	-2.319e+04	4.354e+04
		-6.574e+04	-2.319e+04	-0.05	0.0	140.0	257.22	-390.26	212.70	-16.86	6584.87	3645.16
						280.0	257.22	-600.90	212.70	-16.86	3.636e+04	-6.574e+04
34	99	4435.35	998.19	-9.33e-03	-421.28	0.0	-63.58	223.50	7.20	-13.50	-1017.86	-1.211e+04
		-1.211e+04	-1017.86	-0.02	0.0	140.0	-63.58	12.86	7.20	-13.50	-9.83	4435.35
						280.0	-63.58	-197.78	7.20	-13.50	998.19	-8509.48
34	103	6539.96	7407.80	-0.01	-421.28	0.0	46.47	133.02	43.51	-1.41	-4776.26	660.28
		-2.107e+04	-4776.26	-0.01	0.0	140.0	46.47	-77.62	43.51	-1.41	1315.77	4538.43
						280.0	46.47	-288.26	43.51	-1.41	7407.80	-2.107e+04
34	104	6107.51	7776.29	-9.69e-03	-421.28	0.0	20.97	138.50	46.17	-8.50	-5152.16	-251.12
		-2.045e+04	-5152.16	-0.02	0.0	140.0	20.97	-72.15	46.17	-8.50	1312.07	4393.37
						280.0	20.97	-282.79	46.17	-8.50	7776.29	-2.045e+04
34	105	4677.13	384.04	-9.47e-03	-421.28	0.0	-21.09	214.38	2.77	-1.68	-391.37	-1.059e+04
		-1.059e+04	-391.37	-5.55e-03	0.0	140.0	-21.09	3.73	2.77	-1.68	-3.67	4677.13
						280.0	-21.09	-206.91	2.77	-1.68	384.04	-9544.94
34	106	4532.06	752.53	-9.34e-03	-421.28	0.0	-46.59	219.85	5.43	-8.77	-767.26	-1.150e+04
		-1.150e+04	-767.26	-0.01	0.0	140.0	-46.59	9.21	5.43	-8.77	-7.37	4532.06
						280.0	-46.59	-201.43	5.43	-8.77	752.53	-8923.67
35	1	1.084e+05	3.053e+04	-0.81	-2190.04	0.0	-13.23	1095.02	682.49	4.95	-3.556e+04	0.0
		0.0	-4.148e+04	-0.43	-1394.88	198.0	-13.23	-1.82e-05	-14.95	4.95	3.053e+04	1.084e+05
						396.0	-13.23	-1095.02	-712.39	4.95	-4.148e+04	0.0
35	9	1.084e+05	3.052e+04	-0.82	-2190.04	0.0	52.04	1095.02	682.42	5.50	-3.555e+04	0.0
		0.0	-4.150e+04	-0.43	-1394.88	198.0	52.04	-1.82e-05	-15.01	5.50	3.052e+04	1.084e+05
						396.0	52.04	-1095.02	-712.45	5.50	-4.150e+04	0.0
35	15	1.084e+05	5.084e+04	-0.81	-2190.04	0.0	-81.11	1095.02	1137.32	8.53	-5.927e+04	0.0
		0.0	-6.920e+04	-0.71	-2324.80	198.0	-81.11	-1.82e-05	-25.08	8.53	5.084e+04	1.084e+05
						396.0	-81.11	-1095.02	-1187.48	8.53	-6.920e+04	0.0
35	17	1.084e+05	5.099e+04	-0.81	-2190.04	0.0	-98.85	1095.02	1138.01	3.04	-5.926e+04	0.0
		0.0	-6.891e+04	-0.73	-2324.80	198.0	-98.85	-1.82e-05	-24.39	3.04	5.099e+04	1.084e+05
						396.0	-98.85	-1095.02	-1186.79	3.04	-6.891e+04	0.0
35	20	6.651e+04	5.082e+04	-0.50	-1343.67	0.0	-72.54	671.84	1137.23	8.94	-5.927e+04	0.0
		0.0	-6.924e+04	-0.70	-2324.80	198.0	-72.54	-1.12e-05	-25.17	8.94	5.082e+04	6.651e+04
						396.0	-72.54	-671.84	-1187.57	8.94	-6.924e+04	0.0
35	21	6.651e+04	5.097e+04	-0.50	-1343.67	0.0	-122.91	671.84	1137.95	3.18	-5.926e+04	0.0
		0.0	-6.894e+04	-0.72	-2324.80	198.0	-122.91	-1.12e-05	-24.45	3.18	5.097e+04	6.651e+04
						396.0	-122.91	-671.84	-1186.85	3.18	-6.894e+04	0.0
35	23	7.605e+04	179.06	-0.58	-1536.40	0.0	-271.51	768.20	-2.83	0.76	179.06	0.0
		0.0	-942.73	-0.02	0.0	198.0	-271.51	-1.28e-05	-2.83	0.76	-381.84	7.605e+04
						396.0	-271.51	-768.20	-2.83	0.76	-942.73	0.0
35	31	7.605e+04	-698.42	-0.57	-1536.40	0.0	-354.26	768.20	-9.64	13.24	-698.42	0.0
		0.0	-3381.21	0.30	0.0	198.0	-354.26	-1.28e-05	-9.64	13.24	-2039.81	7.605e+04
						396.0	-354.26	-768.20	-9.64	13.24	-3381.21	0.0
35	32	7.605e+04	-405.91	-0.57	-1536.40	0.0	-165.45	768.20	-16.88	30.11	-405.91	0.0
		0.0	-5958.08	0.67	0.0	198.0	-165.45	-1.28e-05	-16.88	30.11	-3181.99	7.605e+04
						396.0	-165.45	-768.20	-16.88	30.11	-5958.08	0.0
35	33	7.605e+04	6284.35	-0.57	-1536.40	0.0	288.44	768.20	17.62	-33.86	438.46	0.0
		0.0	438.46	-0.70	0.0	198.0	288.44	-1.28e-05	17.62	-33.86	3361.41	7.605e+04
						396.0	288.44	-768.20	17.62	-33.86	6284.35	0.0
35	34	7.605e+04	3707.48	-0.57	-1536.40	0.0	477.25	768.20	10.38	-16.99	730.97	0.0
		0.0	730.97	-0.34	0.0	198.0	477.25	-1.28e-05	10.38	-16.99	2219.23	7.605e+04
						396.0	477.25	-768.20	10.38	-16.99	3707.48	0.0
35	36	7.605e+04	-411.34	-0.57	-1536.40	0.0	-183.36	768.20	-16.72	28.44	-411.34	0.0
		0.0	-5900.00	0.61	0.0	198.0	-183.36	-1.28e-05	-16.72	28.44	-3155.67	7.605e+04
						396.0	-183.36	-768.20	-16.72	28.44	-5900.00	0.0
35	55	7.605e+04	95.62	-0.57	-1536.40	0.0	-96.10	768.20	-1.19	-0.75	95.62	0.0
		0.0	-376.07	-0.02	0.0	198.0	-96.10	-1.28e-05	-1.19	-0.75	-140.22	7.605e+04
						396.0	-96.10	-768.20	-1.19	-0.75	-376.07	0.0
35	63	7.605e+04	-324.94	-0.57	-1536.40	0.0	-138.94	768.20	-4.49	4.65	-324.94	0.0
		0.0	-1556.34	0.12	0.0	198.0	-138.94	-1.28e-05	-4.49	4.65	-940.64	7.605e+04
						396.0	-138.94	-768.20	-4.49	4.65	-1556.34	0.0
35	64	7.605e+04	-188.83	-0.57	-1536.40	0.0	-51.48	768.20	-7.83	11.88	-188.83	0.0

		0.0	-2745.97	0.27	0.0	198.0	-51.48	-1.28e-05	-7.83	11.88	-1467.40	7.605e+04
						396.0	-51.48	-768.20	-7.83	11.88	-2745.97	0.0
35	65	7.605e+04	3072.24	-0.57	-1536.40	0.0	174.47	768.20	8.57	-15.63	221.38	0.0
		0.0	221.38	-0.31	0.0	198.0	174.47	-1.28e-05	8.57	-15.63	1646.81	7.605e+04
						396.0	174.47	-768.20	8.57	-15.63	3072.24	0.0
35	66	7.605e+04	1882.61	-0.57	-1536.40	0.0	261.94	768.20	5.23	-8.39	357.50	0.0
		0.0	357.50	-0.15	0.0	198.0	261.94	-1.28e-05	5.23	-8.39	1120.05	7.605e+04
						396.0	261.94	-768.20	5.23	-8.39	1882.61	0.0
35	68	7.605e+04	-189.48	-0.57	-1536.40	0.0	-58.23	768.20	-7.81	11.20	-189.48	0.0
		0.0	-2737.18	0.25	0.0	198.0	-58.23	-1.28e-05	-7.81	11.20	-1463.33	7.605e+04
						396.0	-58.23	-768.20	-7.81	11.20	-2737.18	0.0
35	87	7.605e+04	2.036e+04	-0.57	-1536.40	0.0	-1.31	768.20	455.01	3.27	-2.370e+04	0.0
		0.0	-2.764e+04	-0.29	-929.92	198.0	-1.31	-1.28e-05	-9.95	3.27	2.036e+04	7.605e+04
						396.0	-1.31	-768.20	-474.91	3.27	-2.764e+04	0.0
35	91	7.605e+04	2.035e+04	-0.57	-1536.40	0.0	42.20	768.20	454.97	3.64	-2.370e+04	0.0
		0.0	-2.766e+04	-0.28	-929.92	198.0	42.20	-1.28e-05	-9.99	3.64	2.035e+04	7.605e+04
						396.0	42.20	-768.20	-474.95	3.64	-2.766e+04	0.0
35	94	7.605e+04	3.390e+04	-0.57	-1536.40	0.0	-46.56	768.20	758.23	5.66	-3.951e+04	0.0
		0.0	-4.612e+04	-0.47	-1549.86	198.0	-46.56	-1.28e-05	-16.70	5.66	3.390e+04	7.605e+04
						396.0	-46.56	-768.20	-791.63	5.66	-4.612e+04	0.0
35	95	7.605e+04	3.389e+04	-0.57	-1536.40	0.0	-24.81	768.20	758.21	5.84	-3.951e+04	0.0
		0.0	-4.613e+04	-0.47	-1549.86	198.0	-24.81	-1.28e-05	-16.72	5.84	3.389e+04	7.605e+04
						396.0	-24.81	-768.20	-791.65	5.84	-4.613e+04	0.0
35	96	7.605e+04	3.400e+04	-0.57	-1536.40	0.0	-58.39	768.20	758.69	2.00	-3.950e+04	0.0
		0.0	-4.593e+04	-0.48	-1549.86	198.0	-58.39	-1.28e-05	-16.24	2.00	3.400e+04	7.605e+04
						396.0	-58.39	-768.20	-791.17	2.00	-4.593e+04	0.0
35	98	7.605e+04	81.44	-0.57	-1536.40	0.0	66.56	768.20	0.17	-0.30	12.32	0.0
		0.0	12.32	-8.07e-03	0.0	198.0	66.56	-1.28e-05	0.17	-0.30	46.88	7.605e+04
						396.0	66.56	-768.20	0.17	-0.30	81.44	0.0
35	100	7.605e+04	78.45	-0.57	-1536.40	0.0	75.27	768.20	0.17	-0.23	12.57	0.0
		0.0	12.57	-7.85e-03	0.0	198.0	75.27	-1.28e-05	0.17	-0.23	45.51	7.605e+04
						396.0	75.27	-768.20	0.17	-0.23	78.45	0.0
35	103	7.605e+04	6816.87	-0.57	-1536.40	0.0	43.94	768.20	151.79	0.89	-7892.45	0.0
		0.0	-9159.56	-0.10	-309.97	198.0	43.94	-1.28e-05	-3.20	0.89	6816.87	7.605e+04
						396.0	43.94	-768.20	-158.19	0.89	-9159.56	0.0
35	104	7.605e+04	6859.70	-0.57	-1536.40	0.0	38.87	768.20	151.98	-0.68	-7888.49	0.0
		0.0	-9077.87	-0.10	-309.97	198.0	38.87	-1.28e-05	-3.00	-0.68	6859.70	7.605e+04
						396.0	38.87	-768.20	-157.99	-0.68	-9077.87	0.0
35	105	7.605e+04	81.44	-0.57	-1536.40	0.0	66.56	768.20	0.17	-0.30	12.32	0.0
		0.0	12.32	-8.07e-03	0.0	198.0	66.56	-1.28e-05	0.17	-0.30	46.88	7.605e+04
						396.0	66.56	-768.20	0.17	-0.30	81.44	0.0
35	106	7.605e+04	163.13	-0.57	-1536.40	0.0	61.50	768.20	0.37	-1.87	16.28	0.0
		0.0	16.28	-0.02	0.0	198.0	61.50	-1.28e-05	0.37	-1.87	89.71	7.605e+04
						396.0	61.50	-768.20	0.37	-1.87	163.13	0.0
36	3	-786.22	1.261e+04	0.01	-547.67	0.0	154.67	345.06	-171.46	8.81	1.261e+04	-3.122e+04
		-3.122e+04	-3.539e+04	0.09	0.0	140.0	154.67	71.22	-171.46	8.81	-1.139e+04	-2081.03
						280.0	154.67	-202.61	-171.46	8.81	-3.539e+04	-1.128e+04
36	7	-2102.38	1.270e+04	0.01	-421.28	0.0	142.03	269.19	-171.77	9.05	1.270e+04	-2.617e+04
		-2.617e+04	-3.540e+04	0.10	0.0	140.0	142.03	58.55	-171.77	9.05	-1.135e+04	-3229.95
						280.0	142.03	-152.09	-171.77	9.05	-3.540e+04	-9778.36
36	9	3649.69	1.368e+04	-7.95e-03	-547.67	0.0	413.68	279.28	-175.33	11.43	1.368e+04	-1.628e+04
		-1.628e+04	-3.542e+04	0.11	0.0	140.0	413.68	5.45	-175.33	11.43	-1.087e+04	3649.69
						280.0	413.68	-268.38	-175.33	11.43	-3.542e+04	-1.476e+04
36	16	2582.86	2.295e+04	-0.01	-547.67	0.0	626.50	252.81	-292.85	19.15	2.295e+04	-1.371e+04
		-1.960e+04	-5.905e+04	0.19	0.0	140.0	626.50	-21.03	-292.85	19.15	-1.805e+04	2514.37
						280.0	626.50	-294.86	-292.85	19.15	-5.905e+04	-1.960e+04
36	19	1669.23	2.301e+04	-0.01	-421.28	0.0	600.59	178.80	-293.09	19.10	2.301e+04	-8944.48
		-1.786e+04	-5.905e+04	0.19	0.0	140.0	600.59	-31.84	-293.09	19.10	-1.802e+04	1342.36
						280.0	600.59	-242.48	-293.09	19.10	-5.905e+04	-1.786e+04
36	20	1724.92	2.303e+04	-0.01	-421.28	0.0	613.85	176.94	-293.15	19.39	2.303e+04	-8660.60
		-1.810e+04	-5.905e+04	0.19	0.0	140.0	613.85	-33.71	-293.15	19.39	-1.801e+04	1365.46
						280.0	613.85	-244.35	-293.15	19.39	-5.905e+04	-1.810e+04
36	32	1255.96	9073.21	-0.01	-421.28	0.0	153.11	216.38	-30.07	73.75	9073.21	-1.423e+04
		-1.423e+04	-356.22	0.30	0.0	140.0	153.11	5.74	-30.07	73.75	4358.50	1255.96
						280.0	153.11	-204.90	-30.07	73.75	-356.22	-1.274e+04
36	33	7838.75	396.18	8.41e-03	-421.28	0.0	-173.53	308.59	33.33	-76.36	-9946.21	-2.388e+04
		-2.388e+04	-9946.21	-0.33	0.0	140.0	-173.53	97.95	33.33	-76.36	-4775.02	4639.55
						280.0	-173.53	-112.69	33.33	-76.36	396.18	3665.51
36	44	7060.67	8525.33	6.77e-03	-421.28	0.0	194.60	297.44	-28.29	81.39	8525.33	-2.236e+04
		-2.236e+04	304.70	0.44	0.0	140.0	194.60	86.80	-28.29	81.39	4415.01	4565.22
						280.0	194.60	-123.84	-28.29	81.39	304.70	2004.19
36	45	1391.48	-264.74	-8.97e-03	-421.28	0.0	-215.02	227.53	31.55	-84.01	-9398.33	-1.575e+04
		-1.575e+04	-9398.33	-0.47	0.0	140.0	-215.02	16.89	31.55	-84.01	-4831.53	1330.29
						280.0	-215.02	-193.75	31.55	-84.01	-264.74	-1.108e+04
36	54	1.254e+04	3698.82	0.02	-421.28	0.0	122.31	347.61	-12.16	34.33	3698.82	-2.770e+04
		-2.770e+04	600.62	0.19	0.0	140.0	122.31	136.97	-12.16	34.33	2149.72	6279.79
						280.0	122.31	-73.68	-12.16	34.33	600.62	1.077e+04

36	64	2464.05	4079.22	-5.56e-03	-421.28	0.0	68.60	240.79	-13.42	30.80	4079.22	-1.677e+04
		-1.677e+04	-162.58	0.10	0.0	140.0	68.60	30.15	-13.42	30.80	1958.32	2170.20
						280.0	68.60	-180.49	-13.42	30.80	-162.58	-8380.83
36	65	5522.80	202.54	3.89e-03	-421.28	0.0	-89.02	284.18	16.68	-33.42	-4952.22	-2.134e+04
		-2.134e+04	-4952.22	-0.13	0.0	140.0	-89.02	73.54	16.68	-33.42	-2374.84	3725.31
						280.0	-89.02	-137.10	16.68	-33.42	202.54	-696.94
36	76	5343.13	3735.09	3.48e-03	-421.28	0.0	89.53	279.98	-12.29	34.04	3735.09	-2.070e+04
		-2.070e+04	149.92	0.17	0.0	140.0	89.53	69.34	-12.29	34.04	1942.51	3770.32
						280.0	89.53	-141.31	-12.29	34.04	149.92	-1251.08
36	77	2493.93	-109.96	-4.90e-03	-421.28	0.0	-109.95	244.99	15.55	-36.65	-4608.09	-1.741e+04
		-1.741e+04	-4608.09	-0.19	0.0	140.0	-109.95	34.35	15.55	-36.65	-2359.03	2125.20
						280.0	-109.95	-176.29	15.55	-36.65	-109.96	-7826.69
36	86	7433.68	1526.06	7.55e-03	-421.28	0.0	55.36	303.95	-4.91	14.05	1526.06	-2.326e+04
		-2.326e+04	297.69	0.07	0.0	140.0	55.36	93.31	-4.91	14.05	911.87	4573.64
						280.0	55.36	-117.33	-4.91	14.05	297.69	2921.27
36	89	97.24	8382.49	9.33e-03	-421.28	0.0	107.37	263.10	-114.20	5.74	8382.49	-2.291e+04
		-2.291e+04	-2.359e+04	0.06	0.0	140.0	107.37	52.46	-114.20	5.74	-7606.10	-817.24
						280.0	107.37	-158.18	-114.20	5.74	-2.359e+04	-8217.97
36	91	3003.25	9089.99	-5.25e-03	-421.28	0.0	280.04	219.25	-116.79	7.49	9089.99	-1.295e+04
		-1.295e+04	-2.361e+04	0.07	0.0	140.0	280.04	8.61	-116.79	7.49	-7260.09	3003.25
						280.0	280.04	-202.03	-116.79	7.49	-2.361e+04	-1.054e+04
36	94	2230.96	1.526e+04	-8.21e-03	-421.28	0.0	413.08	202.84	-195.08	12.44	1.526e+04	-1.142e+04
		-1.361e+04	-3.936e+04	0.13	0.0	140.0	413.08	-7.80	-195.08	12.44	-1.205e+04	2230.96
						280.0	413.08	-218.44	-195.08	12.44	-3.936e+04	-1.361e+04
36	95	2246.37	1.527e+04	-8.20e-03	-421.28	0.0	421.92	201.60	-195.13	12.64	1.527e+04	-1.123e+04
		-1.376e+04	-3.936e+04	0.13	0.0	140.0	421.92	-9.04	-195.13	12.64	-1.204e+04	2246.37
						280.0	421.92	-219.68	-195.13	12.64	-3.936e+04	-1.376e+04
36	98	4544.39	14.91	-5.38e-03	-421.28	0.0	36.29	250.08	0.88	-0.90	-232.20	-1.618e+04
		-1.618e+04	-232.20	-6.06e-03	0.0	140.0	36.29	39.44	0.88	-0.90	-108.65	4084.66
						280.0	36.29	-171.21	0.88	-0.90	14.91	-5139.31
36	99	3372.38	23.36	4.96e-03	-421.28	0.0	-41.21	270.76	2.13	-1.58	-572.70	-2.097e+04
		-2.097e+04	-572.70	-0.02	0.0	140.0	-41.21	60.12	2.13	-1.58	-274.67	2189.82
						280.0	-41.21	-150.52	2.13	-1.58	23.36	-4138.60
36	103	4008.32	2866.36	-5.05e-03	-421.28	0.0	111.65	240.63	-38.31	1.77	2866.36	-1.523e+04
		-1.523e+04	-7860.59	0.02	0.0	140.0	111.65	29.99	-38.31	1.77	-2497.12	3713.92
						280.0	111.65	-180.65	-38.31	1.77	-7860.59	-6832.67
36	105	4544.39	14.91	-5.38e-03	-421.28	0.0	36.29	250.08	0.88	-0.90	-232.20	-1.618e+04
		-1.618e+04	-232.20	-6.06e-03	0.0	140.0	36.29	39.44	0.88	-0.90	-108.65	4084.66
						280.0	36.29	-171.21	0.88	-0.90	14.91	-5139.31
36	106	3840.76	19.98	3.29e-03	-421.28	0.0	-10.21	262.49	1.63	-1.31	-436.50	-1.906e+04
		-1.906e+04	-436.50	-0.01	0.0	140.0	-10.21	51.84	1.63	-1.31	-208.26	2947.76
						280.0	-10.21	-158.80	1.63	-1.31	19.98	-4538.88
37	3	1.300e+05	3085.24	-0.35	-7486.54	0.0	74.20	3800.98	13.86	6.21	-2181.59	-2.366e+05
		-2.366e+05	-2181.59	-0.02	0.0	190.0	74.20	57.71	13.86	6.21	451.82	1.300e+05
						380.0	74.20	-3685.55	13.86	6.21	3085.24	-2.147e+05
37	4	1.300e+05	3131.43	-0.35	-7486.54	0.0	72.95	3798.20	14.01	5.52	-2194.04	-2.360e+05
		-2.360e+05	-2194.04	-0.02	0.0	190.0	72.95	54.93	14.01	5.52	468.70	1.300e+05
						380.0	72.95	-3688.34	14.01	5.52	3131.43	-2.152e+05
37	12	3.620e+04	2157.27	-0.10	-2082.58	0.0	23.71	1017.55	8.82	4.86	-1196.19	-5.821e+04
		-6.723e+04	-1196.19	0.04	0.0	190.0	23.71	-23.74	8.82	4.86	480.54	3.620e+04
						380.0	23.71	-1065.03	8.82	4.86	2157.27	-6.723e+04
37	18	1.064e+05	4018.20	-0.28	-6135.64	0.0	69.86	3077.34	17.21	7.42	-2522.64	-1.869e+05
		-1.869e+05	-2522.64	0.04	0.0	190.0	69.86	9.52	17.21	7.42	747.78	1.064e+05
						380.0	69.86	-3058.30	17.21	7.42	4018.20	-1.832e+05
37	29	8.058e+04	7364.78	-0.19	-3103.26	0.0	31.59	2148.13	36.49	-14.55	-6510.91	-2.019e+05
		-2.019e+05	-6510.91	-0.51	0.0	190.0	31.59	596.50	36.49	-14.55	426.94	5.881e+04
						380.0	31.59	-955.13	36.49	-14.55	7364.78	2.474e+04
37	31	5.517e+04	1.159e+04	-0.14	-3103.26	0.0	60.00	1320.82	57.85	16.95	-1.040e+04	-5.156e+04
		-1.393e+05	-1.040e+04	0.36	0.0	190.0	60.00	-230.81	57.85	16.95	591.68	5.199e+04
						380.0	60.00	-1782.44	57.85	16.95	1.159e+04	-1.393e+05
37	34	6.131e+04	9486.02	-0.16	-3103.26	0.0	-19.11	1850.25	-52.70	-9.65	9486.02	-1.478e+05
		-1.478e+05	-1.055e+04	-0.39	0.0	190.0	-19.11	298.62	-52.70	-9.65	-530.41	5.634e+04
						380.0	-19.11	-1253.01	-52.70	-9.65	-1.055e+04	-3.433e+04
37	51	5.726e+04	1.051e+04	-0.15	-3103.26	0.0	91.60	1728.27	52.47	-8.20	-9436.55	-1.256e+05
		-1.256e+05	-9436.55	-0.37	0.0	190.0	91.60	176.64	52.47	-8.20	536.28	5.537e+04
						380.0	91.60	-1374.99	52.47	-8.20	1.051e+04	-5.847e+04
37	54	5.323e+04	8518.15	-0.14	-3103.26	0.0	-50.71	1442.79	-47.31	15.49	8518.15	-7.377e+04
		-1.151e+05	-9468.17	0.33	0.0	190.0	-50.71	-108.84	-47.31	15.49	-475.01	5.295e+04
						380.0	-50.71	-1660.47	-47.31	15.49	-9468.17	-1.151e+05
37	61	6.156e+04	3792.10	-0.16	-3103.26	0.0	26.00	1854.66	18.77	-4.68	-3342.87	-1.486e+05
		-1.486e+05	-3342.87	-0.24	0.0	190.0	26.00	303.03	18.77	-4.68	224.61	5.638e+04
						380.0	26.00	-1248.60	18.77	-4.68	3792.10	-3.345e+04
37	63	5.314e+04	5808.98	-0.14	-3103.26	0.0	39.61	1460.64	28.96	9.83	-5198.81	-7.698e+04
		-1.116e+05	-5198.81	0.15	0.0	190.0	39.61	-90.99	28.96	9.83	305.08	5.314e+04
						380.0	39.61	-1642.62	28.96	9.83	5808.98	-1.116e+05
37	67	5.314e+04	5821.42	-0.14	-3103.26	0.0	40.90	1461.52	28.97	10.60	-5192.43	-7.714e+04
		-1.114e+05	-5192.43	0.17	0.0	190.0	40.90	-90.11	28.97	10.60	314.50	5.314e+04

37	83	5.481e+04	5308.97	-0.15	-3103.26	380.0	40.90	-1641.74	28.97	10.60	5821.42	-1.114e+05
		-1.118e+05	-4752.75	-0.17	0.0	0.0	55.49	1652.05	26.47	-1.64	-4752.75	-1.118e+05
						190.0	55.49	100.42	26.47	-1.64	278.11	5.472e+04
37	86	5.360e+04	3834.36	-0.14	-3103.26	380.0	55.49	-1451.20	26.47	-1.64	5308.97	-7.360e+04
		-1.000e+05	-4268.03	0.14	0.0	0.0	-14.60	1519.01	-21.31	8.94	3834.36	-8.761e+04
						190.0	-14.60	-32.62	-21.31	8.94	-216.84	5.360e+04
37	89	9.039e+04	2095.51	-0.24	-5204.66	380.0	-14.60	-1584.25	-21.31	8.94	-4268.03	-1.000e+05
		-1.645e+05	-1485.75	-0.01	0.0	0.0	50.70	2642.89	9.42	4.68	-1485.75	-1.645e+05
						190.0	50.70	40.56	9.42	4.68	304.88	9.039e+04
37	90	9.041e+04	2126.30	-0.24	-5204.66	380.0	50.70	-2561.77	9.42	4.68	2095.51	-1.491e+05
		-1.642e+05	-1494.05	-0.01	0.0	0.0	49.87	2641.03	9.53	4.22	-1494.05	-1.642e+05
						190.0	49.87	38.71	9.53	4.22	316.12	9.041e+04
37	91	3.840e+04	1558.59	-0.10	-2202.66	380.0	49.87	-2563.62	9.53	4.22	2126.30	-1.495e+05
		-6.783e+04	-895.43	0.02	0.0	0.0	20.05	1092.90	6.46	4.51	-895.43	-6.463e+04
						190.0	20.05	-8.43	6.46	4.51	331.58	3.840e+04
37	97	7.466e+04	2717.48	-0.20	-4304.06	380.0	20.05	-1109.76	6.46	4.51	1558.59	-6.783e+04
		-1.314e+05	-1713.11	0.02	0.0	0.0	47.82	2160.46	11.66	5.48	-1713.11	-1.314e+05
						190.0	47.82	8.43	11.66	5.48	502.18	7.466e+04
37	99	6.457e+04	640.17	-0.17	-3703.66	380.0	47.82	-2143.60	11.66	5.48	2717.48	-1.282e+05
		-1.195e+05	-580.58	-0.02	0.0	0.0	26.25	1894.79	3.21	3.50	-580.58	-1.195e+05
						190.0	26.25	42.96	3.21	3.50	29.79	6.457e+04
37	100	3.856e+04	353.24	-0.10	-2202.66	380.0	26.25	-1808.87	3.21	3.50	640.17	-1.032e+05
		-6.978e+04	-280.44	-9.04e-03	0.0	0.0	11.42	1120.91	1.67	3.69	-280.44	-6.978e+04
						190.0	11.42	19.58	1.67	3.69	36.40	3.856e+04
37	104	5.410e+04	905.83	-0.15	-3103.26	380.0	11.42	-1081.75	1.67	3.69	353.24	-6.235e+04
		-9.817e+04	-659.77	-8.36e-03	0.0	0.0	23.77	1577.19	4.12	4.17	-659.77	-9.817e+04
						190.0	23.77	25.56	4.12	4.17	123.03	5.410e+04
37	105	3.855e+04	340.92	-0.10	-2202.66	380.0	23.77	-1526.07	4.12	4.17	905.83	-8.845e+04
		-6.993e+04	-277.12	-9.18e-03	0.0	0.0	11.75	1121.65	1.63	3.87	-277.12	-6.993e+04
						190.0	11.75	20.32	1.63	3.87	31.90	3.855e+04
37	106	5.416e+04	520.47	-0.15	-3103.26	380.0	11.75	-1081.01	1.63	3.87	340.92	-6.221e+04
		-9.968e+04	-459.20	-0.02	0.0	0.0	20.45	1585.53	2.58	3.65	-459.20	-9.968e+04
						190.0	20.45	33.90	2.58	3.65	30.63	5.416e+04
38	5	5021.63	3358.10	-0.02	-312.51	380.0	20.45	-1517.73	2.58	3.65	520.47	-8.680e+04
		-1.305e+04	-2298.73	0.10	0.0	0.0	-75.93	143.30	14.32	-0.52	-2298.73	-7929.05
						197.5	-75.93	-12.95	14.32	-0.52	529.68	4942.98
38	9	1.340e+04	4766.17	-0.06	-729.47	395.0	-75.93	-169.21	14.32	-0.52	3358.10	-1.305e+04
		-3.268e+04	-3678.97	0.08	0.0	0.0	-109.66	316.92	21.38	-1.92	-3678.97	-1.379e+04
						197.5	-109.66	-47.82	21.38	-1.92	543.60	1.279e+04
38	11	1.342e+04	5227.98	-0.06	-729.47	395.0	-109.66	-412.56	21.38	-1.92	4766.17	-3.268e+04
		-3.249e+04	-3982.28	0.04	0.0	0.0	0.0	-117.85	317.68	-4.57	-3982.28	-1.390e+04
						197.5	-117.85	-47.06	23.32	-4.57	622.85	1.282e+04
38	18	9785.76	6195.14	-0.04	-579.37	395.0	-117.85	-411.80	23.32	-4.57	5227.98	-3.249e+04
		-2.456e+04	-4289.52	0.13	0.0	0.0	-130.02	261.85	26.54	-3.07	-4289.52	-1.356e+04
						197.5	-130.02	-27.84	26.54	-3.07	952.81	9545.48
38	31	3102.48	1.535e+04	0.01	-322.51	395.0	-130.02	-317.53	26.54	-3.07	6195.14	-2.456e+04
		-2.014e+04	3913.77	-0.87	0.0	0.0	-280.13	194.91	-25.50	1.95	3913.77	-2.014e+04
						197.5	-280.13	33.65	-25.50	1.95	9629.95	2435.83
38	34	1.289e+04	-6397.42	-0.06	-322.51	395.0	-280.13	-127.60	-25.50	1.95	1.535e+04	-6840.65
		-2.245e+04	-1.263e+04	0.80	0.0	0.0	187.01	82.30	38.66	-8.69	-6397.42	8741.37
						197.5	187.01	-78.96	38.66	-8.69	-9515.45	9070.92
38	44	5248.85	9849.43	0.06	-322.51	395.0	187.01	-240.21	38.66	-8.69	-1.263e+04	-2.245e+04
		-3.974e+04	-6096.82	1.63	0.0	0.0	67.71	271.19	-56.44	14.30	9849.43	-3.974e+04
						197.5	67.71	109.94	-56.44	14.30	1876.31	-2103.53
38	45	2.835e+04	8809.46	-0.11	-322.51	395.0	67.71	-51.32	-56.44	14.30	-6096.82	3688.74
		-3.298e+04	-1.233e+04	-1.70	0.0	0.0	-160.82	6.02	69.59	-21.03	-1.233e+04	2.835e+04
						197.5	-160.82	-155.24	69.59	-21.03	-1761.80	1.361e+04
38	51	1.323e+04	1.546e+04	-0.06	-322.51	395.0	-160.82	-316.49	69.59	-21.03	8809.46	-3.298e+04
		-2.286e+04	-7468.89	-1.85	0.0	0.0	0.0	-254.06	79.76	-13.23	-7468.89	9334.26
						197.5	-254.06	-81.49	41.49	-13.23	3993.42	9160.20
38	54	3139.11	4985.24	0.02	-322.51	395.0	-254.06	-242.75	41.49	-13.23	1.546e+04	-2.286e+04
		-2.073e+04	-1.274e+04	1.79	0.0	0.0	160.94	197.45	-28.33	6.49	4985.24	-2.073e+04
						197.5	160.94	36.19	-28.33	6.49	-3878.92	2346.55
38	63	4224.71	8031.91	-0.01	-322.51	395.0	160.94	-125.06	-28.33	6.49	-1.274e+04	-6426.31
		-1.237e+04	1225.22	-0.43	0.0	0.0	-158.08	164.65	-8.88	-1.11	1225.22	-1.237e+04
						197.5	-158.08	3.39	-8.88	-1.11	4628.56	4224.71
38	66	8690.94	-3708.87	-0.04	-322.51	395.0	-158.08	-157.87	-8.88	-1.11	8031.91	-1.103e+04
		-1.826e+04	-5319.26	0.37	0.0	0.0	64.97	112.57	22.03	-5.63	-3708.87	974.55
						197.5	64.97	-48.69	22.03	-5.63	-4514.06	7282.04
38	77	1.326e+04	4828.99	-0.06	-322.51	395.0	-209.95	-209.95	22.03	-5.63	-5319.26	-1.826e+04
		-2.276e+04	-6423.70	-0.80	0.0	0.0	64.97	80.00	36.19	-11.40	-6423.70	9345.60
						197.5	-99.14	-81.26	36.19	-11.40	-797.36	9218.63
38	83	8775.07	8108.12	-0.04	-322.51	395.0	-99.14	-242.52	36.19	-11.40	4828.99	-2.276e+04
		-1.844e+04	-4192.31	-0.89	0.0	0.0	0.0	-146.21	111.51	-8.01	-4192.31	1216.74
						197.5	-146.21	-49.75	23.21	-8.01	1957.91	7313.48
38	87	5504.11	2672.88	-0.02	-322.51	395.0	-211.01	-211.01	23.21	-8.01	8108.12	-1.844e+04
						0.0	-65.87	144.44	11.68	-1.30	-1942.23	-7265.31

		-1.391e+04	-1942.23	0.06	0.0	197.5	-65.87	-16.82	11.68	-1.30	365.33	5337.80
						395.0	-65.87	-178.07	11.68	-1.30	2672.88	-1.391e+04
38	91	9607.47	3314.67	-0.05	-522.65	0.0	-78.49	226.95	14.93	-1.55	-2581.99	-9855.08
		-2.343e+04	-2581.99	0.05	0.0	197.5	-78.49	-34.37	14.93	-1.55	366.34	9162.12
						395.0	-78.49	-295.70	14.93	-1.55	3314.67	-2.343e+04
38	93	9617.25	3622.54	-0.05	-522.65	0.0	-83.95	227.46	16.22	-3.31	-2784.19	-9933.10
		-2.331e+04	-2784.19	0.03	0.0	197.5	-83.95	-33.86	16.22	-3.31	419.17	9184.44
						395.0	-83.95	-295.19	16.22	-3.31	3622.54	-2.331e+04
38	97	7195.27	4267.32	-0.03	-422.58	0.0	-92.07	190.24	18.37	-2.32	-2989.02	-9705.86
		-1.802e+04	-2989.02	0.08	0.0	197.5	-92.07	-21.05	18.37	-2.32	639.15	7001.61
						395.0	-92.07	-232.34	18.37	-2.32	4267.32	-1.802e+04
38	98	6059.55	1224.38	-0.03	-322.51	0.0	-44.22	138.39	6.02	-2.61	-1155.16	-5663.83
		-1.470e+04	-1155.16	-0.02	0.0	197.5	-44.22	-22.87	6.02	-2.61	34.61	5743.81
						395.0	-44.22	-184.12	6.02	-2.61	1224.38	-1.470e+04
38	100	6880.22	1352.74	-0.03	-362.54	0.0	-46.74	154.89	6.67	-2.66	-1283.12	-6181.79
		-1.660e+04	-1283.12	-0.02	0.0	197.5	-46.74	-26.38	6.67	-2.66	34.81	6508.67
						395.0	-46.74	-207.65	6.67	-2.66	1352.74	-1.660e+04
38	102	6884.41	1484.68	-0.03	-362.54	0.0	-49.08	155.11	7.23	-3.42	-1369.78	-6215.22
		-1.655e+04	-1369.78	-0.03	0.0	197.5	-49.08	-26.16	7.23	-3.42	57.45	6518.24
						395.0	-49.08	-207.43	7.23	-3.42	1484.68	-1.655e+04
38	104	5878.60	1839.16	-0.03	-322.51	0.0	-53.77	140.62	8.46	-2.93	-1504.18	-6231.09
		-1.438e+04	-1504.18	-0.01	0.0	197.5	-53.77	-20.63	8.46	-2.93	167.49	5618.04
						395.0	-53.77	-181.89	8.46	-2.93	1839.16	-1.438e+04
38	105	6059.55	1224.38	-0.03	-322.51	0.0	-44.22	138.39	6.02	-2.61	-1155.16	-5663.83
		-1.470e+04	-1155.16	-0.02	0.0	197.5	-44.22	-22.87	6.02	-2.61	34.61	5743.81
						395.0	-44.22	-184.12	6.02	-2.61	1224.38	-1.470e+04
38	106	6063.74	1356.32	-0.03	-322.51	0.0	-46.56	138.61	6.58	-3.37	-1241.82	-5697.27
		-1.464e+04	-1241.82	-0.03	0.0	197.5	-46.56	-22.65	6.58	-3.37	57.25	5753.37
						395.0	-46.56	-183.91	6.58	-3.37	1356.32	-1.464e+04
39	11	1.314e+04	7581.37	-0.06	-757.18	0.0	1626.55	341.88	-36.12	3.30	7581.37	-1.848e+04
		-3.353e+04	-7229.31	0.53	0.0	205.0	1626.55	-36.71	-36.12	3.30	176.03	1.280e+04
						410.0	1626.55	-415.30	-36.12	3.30	-7229.31	-3.353e+04
39	17	7777.36	1.172e+04	-0.03	-445.58	0.0	907.52	199.67	-56.56	4.01	1.172e+04	-1.056e+04
		-2.003e+04	-1.147e+04	0.80	0.0	205.0	907.52	-23.11	-56.56	4.01	124.49	7541.87
						410.0	907.52	-245.90	-56.56	4.01	-1.147e+04	-2.003e+04
39	19	5673.25	1.061e+04	-0.03	-324.37	0.0	624.29	145.70	-51.09	4.87	1.061e+04	-7733.18
		-1.449e+04	-1.034e+04	0.77	0.0	205.0	624.29	-16.49	-51.09	4.87	131.91	5510.43
						410.0	624.29	-178.68	-51.09	4.87	-1.034e+04	-1.449e+04
39	35	6057.91	2.833e+04	-0.03	-334.76	0.0	196.77	160.70	-138.20	12.57	2.833e+04	-9729.56
		-1.247e+04	-2.836e+04	0.65	0.0	205.0	196.77	-6.68	-138.20	12.57	-18.28	6057.91
						410.0	196.77	-174.06	-138.20	12.57	-2.836e+04	-1.247e+04
39	44	6559.00	1.014e+04	-0.03	-334.76	0.0	-452.61	173.39	48.65	23.05	-9839.82	-1.183e+04
		-1.183e+04	-9839.82	1.12	0.0	205.0	-452.61	6.01	48.65	23.05	150.95	6559.00
						410.0	-452.61	-161.37	48.65	23.05	1.014e+04	-9361.92
39	45	5689.17	1.110e+04	-0.02	-334.76	0.0	1994.31	125.69	-54.24	-22.47	1.110e+04	-3981.96
		-2.108e+04	-1.117e+04	-1.04	0.0	205.0	1994.31	-41.69	-54.24	-22.47	-31.59	4623.75
						410.0	1994.31	-209.07	-54.24	-22.47	-1.117e+04	-2.108e+04
39	67	5860.01	1.394e+04	-0.03	-334.76	0.0	512.38	154.65	-67.90	5.72	1.394e+04	-8745.39
		-1.396e+04	-1.391e+04	0.30	0.0	205.0	512.38	-12.73	-67.90	5.72	11.27	5860.01
						410.0	512.38	-180.11	-67.90	5.72	-1.391e+04	-1.396e+04
39	76	6016.27	4615.78	-0.03	-334.76	0.0	229.18	160.28	22.03	10.36	-4431.80	-9687.61
		-1.259e+04	-4431.80	0.50	0.0	205.0	229.18	-7.10	22.03	10.36	91.99	6016.27
						410.0	229.18	-174.48	22.03	10.36	4615.78	-1.259e+04
39	77	5631.23	5695.30	-0.02	-334.76	0.0	1312.51	138.79	-27.61	-9.78	5695.30	-6127.43
		-1.785e+04	-5640.56	-0.42	0.0	205.0	1312.51	-28.59	-27.61	-9.78	27.37	5166.48
						410.0	1312.51	-195.97	-27.61	-9.78	-5640.56	-1.785e+04
39	93	9409.29	5093.81	-0.04	-542.49	0.0	1171.93	244.71	-24.24	2.27	5093.81	-1.320e+04
		-2.408e+04	-4844.05	0.36	0.0	205.0	1171.93	-26.54	-24.24	2.27	124.88	9163.70
						410.0	1171.93	-297.78	-24.24	2.27	-4844.05	-2.408e+04
39	94	5828.20	7193.56	-0.03	-334.76	0.0	687.31	150.18	-34.54	3.46	7193.56	-7974.27
		-1.503e+04	-6968.18	0.53	0.0	205.0	687.31	-17.20	-34.54	3.46	112.69	5655.42
						410.0	687.31	-184.58	-34.54	3.46	-6968.18	-1.503e+04
39	96	5835.07	7852.10	-0.03	-334.76	0.0	692.58	149.91	-37.86	2.74	7852.10	-7919.33
		-1.508e+04	-7671.06	0.54	0.0	205.0	692.58	-17.47	-37.86	2.74	90.52	5655.42
						410.0	692.58	-184.85	-37.86	2.74	-7671.06	-1.508e+04
39	102	6499.40	627.61	-0.03	-376.31	0.0	860.22	168.54	-2.72	0.42	627.61	-8966.93
		-1.701e+04	-487.55	0.04	0.0	205.0	860.22	-19.61	-2.72	0.42	70.03	6298.16
						410.0	860.22	-207.77	-2.72	0.42	-487.55	-1.701e+04
39	103	5787.69	1718.33	-0.03	-334.76	0.0	752.33	149.76	-8.00	1.17	1718.33	-7939.71
		-1.516e+04	-1562.57	0.13	0.0	205.0	752.33	-17.62	-8.00	1.17	77.88	5604.19
						410.0	752.33	-185.00	-8.00	1.17	-1562.57	-1.516e+04
39	104	5790.63	2000.56	-0.03	-334.76	0.0	754.59	149.64	-9.43	0.86	2000.56	-7916.16
		-1.519e+04	-1863.80	0.14	0.0	205.0	754.59	-17.74	-9.43	0.86	68.38	5604.18
						410.0	754.59	-185.12	-9.43	0.86	-1863.80	-1.519e+04
39	105	5777.56	349.52	-0.03	-334.76	0.0	768.59	149.65	-1.37	0.60	349.52	-7931.07
		-1.520e+04	-211.16	0.04	0.0	205.0	768.59	-17.73	-1.37	0.60	69.18	5591.38
						410.0	768.59	-185.11	-1.37	0.60	-211.16	-1.520e+04

39	106	5780.50	631.75	-0.03	-334.76	0.0	770.85	149.54	-2.79	0.29	631.75	-7907.52
		-1.522e+04	-512.39	0.04	0.0	205.0	770.85	-17.84	-2.79	0.29	59.68	5591.38
						410.0	770.85	-185.22	-2.79	0.29	-512.39	-1.522e+04
40	5	7753.34	-426.82	-0.08	-221.52	0.0	1024.56	110.76	2.02	11.98	-992.99	0.0
		0.0	-992.99	0.14	0.0	140.0	1024.56	-2.49e-06	2.02	11.98	-709.90	7753.34
						280.0	1024.56	-110.76	2.02	11.98	-426.82	0.0
40	7	7753.34	484.40	-0.07	-221.52	0.0	1034.03	110.76	9.69	5.83	-2229.67	0.0
		0.0	-2229.67	0.09	0.0	140.0	1034.03	-2.49e-06	9.69	5.83	-872.63	7753.34
						280.0	1034.03	-110.76	9.69	5.83	484.40	0.0
40	9	1.810e+04	100.34	-0.18	-517.10	0.0	2279.14	258.55	-6.36	24.32	100.34	0.0
		0.0	-1679.16	0.19	0.0	140.0	2279.14	-1.59e-06	-6.36	24.32	-789.41	1.810e+04
						280.0	2279.14	-258.55	-6.36	24.32	-1679.16	0.0
40	11	1.810e+04	-765.33	-0.18	-517.10	0.0	2285.77	258.55	-0.99	20.01	-765.33	0.0
		0.0	-1041.31	0.16	0.0	140.0	2285.77	-1.59e-06	-0.99	20.01	-903.32	1.810e+04
						280.0	2285.77	-258.55	-0.99	20.01	-1041.31	0.0
40	21	7753.34	455.20	-0.07	-221.52	0.0	1039.44	110.76	12.05	10.38	-2919.71	0.0
		0.0	-2919.71	0.19	0.0	140.0	1039.44	-2.49e-06	12.05	10.38	-1232.25	7753.34
						280.0	1039.44	-110.76	12.05	10.38	455.20	0.0
40	33	8001.60	1.576e+04	-0.24	-228.62	0.0	1431.14	114.31	124.68	-83.63	-1.945e+04	0.0
		0.0	-1.945e+04	-0.74	0.0	140.0	1431.14	-2.44e-06	124.68	-83.63	-1847.40	8001.60
						280.0	1431.14	-114.31	124.68	-83.63	1.576e+04	0.0
40	44	8001.60	2.109e+04	0.08	-228.62	0.0	605.77	114.31	-140.52	107.16	2.109e+04	0.0
		0.0	-1.848e+04	1.00	0.0	140.0	605.77	-2.44e-06	-140.52	107.16	1304.25	8001.60
						280.0	605.77	-114.31	-140.52	107.16	-1.848e+04	0.0
40	45	8001.60	1.721e+04	-0.25	-228.62	0.0	1481.35	114.31	133.31	-93.21	-2.035e+04	0.0
		0.0	-2.035e+04	-0.96	0.0	140.0	1481.35	-2.44e-06	133.31	-93.21	-1569.25	8001.60
						280.0	1481.35	-114.31	133.31	-93.21	1.721e+04	0.0
40	52	8001.60	2.074e+04	0.06	-228.62	0.0	602.53	114.31	-136.78	101.41	2.074e+04	0.0
		0.0	-1.780e+04	0.77	0.0	140.0	602.53	-2.44e-06	-136.78	101.41	1469.07	8001.60
						280.0	602.53	-114.31	-136.78	101.41	-1.780e+04	0.0
40	53	8001.60	1.653e+04	-0.22	-228.62	0.0	1484.59	114.31	129.56	-87.46	-2.000e+04	0.0
		0.0	-2.000e+04	-0.72	0.0	140.0	1484.59	-2.44e-06	129.56	-87.46	-1734.07	8001.60
						280.0	1484.59	-114.31	129.56	-87.46	1.653e+04	0.0
40	65	8001.60	6677.01	-0.15	-228.62	0.0	1227.84	114.31	54.45	-33.07	-8705.94	0.0
		0.0	-8705.94	-0.28	0.0	140.0	1227.84	-2.44e-06	54.45	-33.07	-1014.46	8001.60
						280.0	1227.84	-114.31	54.45	-33.07	6677.01	0.0
40	76	8001.60	9741.73	-0.04	-228.62	0.0	834.85	114.31	-65.05	51.45	9741.73	0.0
		0.0	-8583.02	0.42	0.0	140.0	834.85	-2.44e-06	-65.05	51.45	579.36	8001.60
						280.0	834.85	-114.31	-65.05	51.45	-8583.02	0.0
40	84	8001.60	9831.14	-0.04	-228.62	0.0	829.29	114.31	-64.88	49.65	9831.14	0.0
		0.0	-8453.27	0.32	0.0	140.0	829.29	-2.44e-06	-64.88	49.65	688.94	8001.60
						280.0	829.29	-114.31	-64.88	49.65	-8453.27	0.0
40	85	8001.60	7177.81	-0.15	-228.62	0.0	1257.84	114.31	57.67	-35.70	-9085.67	0.0
		0.0	-9085.67	-0.28	0.0	140.0	1257.84	-2.44e-06	57.67	-35.70	-953.93	8001.60
						280.0	1257.84	-114.31	57.67	-35.70	7177.81	0.0
40	87	8001.60	-440.97	-0.08	-228.62	0.0	1049.92	114.31	-0.48	10.91	-440.97	0.0
		0.0	-575.81	0.11	0.0	140.0	1049.92	-2.44e-06	-0.48	10.91	-508.39	8001.60
						280.0	1049.92	-114.31	-0.48	10.91	-575.81	0.0
40	91	1.297e+04	135.25	-0.13	-370.48	0.0	1638.66	185.24	-4.81	17.12	135.25	0.0
		0.0	-1210.84	0.13	0.0	140.0	1638.66	-1.42e-06	-4.81	17.12	-537.80	1.297e+04
						280.0	1638.66	-185.24	-4.81	17.12	-1210.84	0.0
40	93	1.297e+04	-441.87	-0.13	-370.48	0.0	1643.08	185.24	-1.23	14.25	-441.87	0.0
		0.0	-785.60	0.11	0.0	140.0	1643.08	-1.42e-06	-1.23	14.25	-613.74	1.297e+04
						280.0	1643.08	-185.24	-1.23	14.25	-785.60	0.0
40	96	8001.60	12.21	-0.08	-228.62	0.0	1059.84	114.31	6.21	9.84	-1725.46	0.0
		0.0	-1725.46	0.14	0.0	140.0	1059.84	-2.44e-06	6.21	9.84	-856.62	8001.60
						280.0	1059.84	-114.31	6.21	9.84	12.21	0.0
40	98	8001.60	620.07	-0.08	-228.62	0.0	1041.67	114.31	-5.14	8.21	620.07	0.0
		0.0	-819.98	0.03	0.0	140.0	1041.67	-2.44e-06	-5.14	8.21	-99.95	8001.60
						280.0	1041.67	-114.31	-5.14	8.21	-819.98	0.0
40	100	8994.67	735.31	-0.09	-256.99	0.0	1159.42	128.50	-6.01	9.45	735.31	0.0
		0.0	-946.98	0.04	0.0	140.0	1159.42	-2.23e-06	-6.01	9.45	-105.83	8994.67
						280.0	1159.42	-128.50	-6.01	9.45	-946.98	0.0
40	102	8994.67	487.98	-0.09	-256.99	0.0	1161.31	128.50	-4.47	8.22	487.98	0.0
		0.0	-764.74	0.03	0.0	140.0	1161.31	-2.23e-06	-4.47	8.22	-138.38	8994.67
						280.0	1161.31	-128.50	-4.47	8.22	-764.74	0.0
40	105	8001.60	620.07	-0.08	-228.62	0.0	1041.67	114.31	-5.14	8.21	620.07	0.0
		0.0	-819.98	0.03	0.0	140.0	1041.67	-2.44e-06	-5.14	8.21	-99.95	8001.60
						280.0	1041.67	-114.31	-5.14	8.21	-819.98	0.0
40	106	8001.60	372.73	-0.08	-228.62	0.0	1043.56	114.31	-3.61	6.98	372.73	0.0
		0.0	-637.73	0.02	0.0	140.0	1043.56	-2.44e-06	-3.61	6.98	-132.50	8001.60
						280.0	1043.56	-114.31	-3.61	6.98	-637.73	0.0
41	4	2.063e+04	2793.92	-0.07	-40.59	0.0	-420.49	545.57	-19.80	-2.72	2793.92	-4.590e+04
		-4.590e+04	285.81	8.37e-03	0.0	63.3	-420.49	525.28	-19.80	-2.72	1539.86	-1.199e+04
						126.7	-420.49	504.98	-19.80	-2.72	285.81	2.063e+04
41	5	1.141e+04	1663.24	-0.05	-31.22	0.0	-164.95	289.35	-14.44	-0.14	1663.24	-2.326e+04
		-2.326e+04	-166.29	0.03	0.0	63.3	-164.95	273.74	-14.44	-0.14	748.48	-5432.03

						126.7	-164.95	258.12	-14.44	-0.14	-166.29	1.141e+04
41	9	3.024e+04	2583.47	-0.12	-40.59	0.0	-304.53	704.06	-16.08	-4.00	2583.47	-5.637e+04
		-5.637e+04	547.16	0.02	0.0	63.3	-304.53	683.76	-16.08	-4.00	1565.32	-1.243e+04
						126.7	-304.53	663.47	-16.08	-4.00	547.16	3.024e+04
41	11	2.856e+04	2953.22	-0.11	-40.59	0.0	-412.63	699.90	-19.03	-4.14	2953.22	-5.752e+04
		-5.752e+04	543.30	0.01	0.0	63.3	-412.63	679.60	-19.03	-4.14	1748.26	-1.383e+04
						126.7	-412.63	659.31	-19.03	-4.14	543.30	2.856e+04
41	18	2.131e+04	3239.93	-0.08	-40.59	0.0	-378.89	548.09	-27.04	-1.36	3239.93	-4.554e+04
		-4.554e+04	-184.91	0.04	0.0	63.3	-378.89	527.79	-27.04	-1.36	1527.51	-1.147e+04
						126.7	-378.89	507.50	-27.04	-1.36	-184.91	2.131e+04
41	21	9701.10	2637.47	-0.03	-31.22	0.0	-277.78	285.92	-25.89	1.00	2637.47	-2.454e+04
		-2.454e+04	-642.52	0.04	0.0	63.3	-277.78	270.31	-25.89	1.00	997.47	-6924.14
						126.7	-277.78	254.70	-25.89	1.00	-642.52	9701.10
41	24	2.453e+04	-905.38	-0.07	-31.22	0.0	174.99	70.95	19.17	7.74	-905.38	1.752e+04
		1.752e+04	-3264.79	0.32	0.0	63.3	174.99	55.34	19.17	7.74	-2085.09	2.152e+04
						126.7	174.99	39.73	19.17	7.74	-3264.79	2.453e+04
41	25	-1726.06	4381.13	0.02	-31.22	0.0	-565.77	523.29	-24.37	-12.20	2679.93	-6.603e+04
		-6.603e+04	2679.93	-0.34	0.0	63.3	-565.77	507.68	-24.37	-12.20	3530.53	-3.338e+04
						126.7	-565.77	492.07	-24.37	-12.20	4381.13	-1726.06
41	27	3.365e+04	-42.33	-0.08	-31.22	0.0	64.03	-16.28	70.37	0.30	-5605.33	3.365e+04
		2.961e+04	-5605.33	0.11	0.0	63.3	64.03	-31.89	70.37	0.30	-2823.83	3.212e+04
						126.7	64.03	-47.50	70.37	0.30	-42.33	2.961e+04
41	30	-6806.36	7379.88	0.04	-31.22	0.0	-454.81	610.52	-75.57	-4.76	7379.88	-8.216e+04
		-8.216e+04	1158.66	-0.13	0.0	63.3	-454.81	594.91	-75.57	-4.76	4269.27	-4.399e+04
						126.7	-454.81	579.30	-75.57	-4.76	1158.66	-6806.36
41	43	2.297e+04	4671.83	-0.07	-31.22	0.0	-328.87	99.17	114.06	-13.36	-1.057e+04	1.238e+04
		1.238e+04	-1.057e+04	-0.31	0.0	63.3	-328.87	83.55	114.06	-13.36	-2950.87	1.817e+04
						126.7	-328.87	67.94	114.06	-13.36	4671.83	2.297e+04
41	46	-165.11	1.235e+04	0.02	-31.22	0.0	-61.91	495.08	-119.25	8.90	1.235e+04	-6.090e+04
		-6.090e+04	-3555.49	0.29	0.0	63.3	-61.91	479.47	-119.25	8.90	4396.31	-3.004e+04
						126.7	-61.91	463.85	-119.25	8.90	-3555.49	-165.11
41	56	1.777e+04	2.23	-0.05	-31.22	0.0	-16.10	187.46	8.19	2.30	2.23	-3999.19
		-3999.19	-1156.32	0.14	0.0	63.3	-16.10	171.85	8.19	2.30	-577.05	7378.86
						126.7	-16.10	156.24	8.19	2.30	-1156.32	1.777e+04
41	57	5036.39	2272.66	-0.03	-31.22	0.0	-374.68	406.78	-13.39	-6.77	1772.31	-4.451e+04
		-4.451e+04	1772.31	-0.16	0.0	63.3	-374.68	391.17	-13.39	-6.77	2022.49	-1.924e+04
						126.7	-374.68	375.56	-13.39	-6.77	2272.66	5036.39
41	59	2.017e+04	301.31	-0.06	-31.22	0.0	-69.98	146.14	31.81	-1.11	-2236.29	3637.15
		3637.15	-2236.29	0.05	0.0	63.3	-69.98	130.53	31.81	-1.11	-967.49	1.240e+04
						126.7	-69.98	114.92	31.81	-1.11	301.31	2.017e+04
41	62	2633.01	4010.83	-0.03	-31.22	0.0	-320.80	448.10	-37.01	-3.35	4010.83	-5.215e+04
		-5.215e+04	815.02	-0.07	0.0	63.3	-320.80	432.49	-37.01	-3.35	2412.93	-2.426e+04
						126.7	-320.80	416.88	-37.01	-3.35	815.02	2633.01
41	75	1.686e+04	2414.78	-0.05	-31.22	0.0	-260.25	203.59	50.46	-7.21	-4513.77	-6950.61
		-6950.61	-4513.77	-0.14	0.0	63.3	-260.25	187.98	50.46	-7.21	-1049.50	5449.50
						126.7	-260.25	172.37	50.46	-7.21	2414.78	1.686e+04
41	78	5943.69	6288.31	-0.03	-31.22	0.0	-130.53	390.65	-55.66	2.75	6288.31	-4.156e+04
		-4.156e+04	-1298.44	0.12	0.0	63.3	-130.53	375.04	-55.66	2.75	2494.94	-1.731e+04
						126.7	-130.53	359.43	-55.66	2.75	-1298.44	5943.69
41	87	1.184e+04	1386.10	-0.05	-31.22	0.0	-169.23	299.04	-10.26	-0.90	1386.10	-2.406e+04
		-2.406e+04	86.90	0.02	0.0	63.3	-169.23	283.43	-10.26	-0.90	736.50	-5613.51
						126.7	-169.23	267.82	-10.26	-0.90	86.90	1.184e+04
41	90	1.506e+04	1950.10	-0.05	-31.22	0.0	-297.83	396.78	-13.39	-2.03	1950.10	-3.322e+04
		-3.322e+04	253.78	4.70e-03	0.0	63.3	-297.83	381.17	-13.39	-2.03	1101.94	-8584.23
						126.7	-297.83	365.56	-13.39	-2.03	253.78	1.506e+04
41	91	2.147e+04	1809.80	-0.09	-31.22	0.0	-220.52	502.44	-10.91	-2.88	1809.80	-4.020e+04
		-4.020e+04	428.01	0.01	0.0	63.3	-220.52	486.83	-10.91	-2.88	1118.91	-8872.09
						126.7	-220.52	471.21	-10.91	-2.88	428.01	2.147e+04
41	93	2.035e+04	2056.30	-0.08	-31.22	0.0	-292.59	499.66	-12.88	-2.98	2056.30	-4.096e+04
		-4.096e+04	425.44	6.55e-03	0.0	63.3	-292.59	484.05	-12.88	-2.98	1240.87	-9811.09
						126.7	-292.59	468.44	-12.88	-2.98	425.44	2.035e+04
41	96	1.070e+04	2035.59	-0.04	-31.22	0.0	-244.45	296.76	-17.89	-0.13	2035.59	-2.491e+04
		-2.491e+04	-230.59	0.02	0.0	63.3	-244.45	281.15	-17.89	-0.13	902.50	-6608.26
						126.7	-244.45	265.54	-17.89	-0.13	-230.59	1.070e+04
41	97	1.551e+04	2247.44	-0.06	-31.22	0.0	-270.09	398.46	-18.22	-1.13	2247.44	-3.298e+04
		-3.298e+04	-60.04	0.02	0.0	63.3	-270.09	382.85	-18.22	-1.13	1093.70	-8237.55
						126.7	-270.09	367.23	-18.22	-1.13	-60.04	1.551e+04
41	98	1.188e+04	781.63	-0.05	-31.22	0.0	-164.50	298.31	-1.76	-2.19	781.63	-2.393e+04
		-2.393e+04	559.27	-7.07e-03	0.0	63.3	-164.50	282.70	-1.76	-2.19	670.45	-5529.89
						126.7	-164.50	267.09	-1.76	-2.19	559.27	1.188e+04
41	99	1.108e+04	957.70	-0.04	-31.22	0.0	-215.98	296.33	-3.16	-2.26	957.70	-2.447e+04
		-2.447e+04	557.43	-0.01	0.0	63.3	-215.98	280.72	-3.16	-2.26	757.57	-6200.60
						126.7	-215.98	265.11	-3.16	-2.26	557.43	1.108e+04
41	100	1.380e+04	866.37	-0.06	-31.22	0.0	-174.76	338.99	-1.89	-2.58	866.37	-2.716e+04
		-2.716e+04	627.49	-7.53e-03	0.0	63.3	-174.76	323.38	-1.89	-2.58	746.93	-6181.61
						126.7	-174.76	307.77	-1.89	-2.58	627.49	1.380e+04
41	102	1.333e+04	972.01	-0.05	-31.22	0.0	-205.65	337.80	-2.73	-2.63	972.01	-2.748e+04

		-2.748e+04	626.39	-0.01	0.0	63.3	-205.65	322.19	-2.73	-2.63	799.20	-6584.03
						126.7	-205.65	306.58	-2.73	-2.63	626.39	1.333e+04
41	104	1.139e+04	1088.76	-0.04	-31.22	0.0	-196.96	297.37	-5.43	-1.80	1088.76	-2.430e+04
		-2.430e+04	400.71	-3.17e-03	0.0	63.3	-196.96	281.75	-5.43	-1.80	744.74	-5960.19
						126.7	-196.96	266.14	-5.43	-1.80	400.71	1.139e+04
41	105	1.188e+04	781.63	-0.05	-31.22	0.0	-164.50	298.31	-1.76	-2.19	781.63	-2.393e+04
		-2.393e+04	559.27	-7.07e-03	0.0	63.3	-164.50	282.70	-1.76	-2.19	670.45	-5529.89
						126.7	-164.50	267.09	-1.76	-2.19	559.27	1.188e+04
41	106	1.140e+04	887.27	-0.04	-31.22	0.0	-195.39	297.12	-2.60	-2.23	887.27	-2.426e+04
		-2.426e+04	558.17	-0.01	0.0	63.3	-195.39	281.51	-2.60	-2.23	722.72	-5932.32
						126.7	-195.39	265.90	-2.60	-2.23	558.17	1.140e+04
42	3	-418.71	-1618.10	-0.01	-32.04	0.0	-31.88	66.56	8.34	0.94	-2452.43	-5472.62
		-5472.62	-2452.43	-0.03	0.0	50.0	-31.88	50.54	8.34	0.94	-2035.26	-2545.12
						100.0	-31.88	34.52	8.34	0.94	-1618.10	-418.71
42	5	-21.23	-1284.48	-4.77e-03	-24.65	0.0	-24.71	38.99	3.63	0.42	-1647.42	-2687.32
		-2687.32	-1647.42	-2.53e-03	0.0	50.0	-24.71	26.66	3.63	0.42	-1465.95	-1046.17
						100.0	-24.71	14.34	3.63	0.42	-1284.48	-21.23
42	7	-358.15	-1483.46	-0.01	-24.65	0.0	-24.70	56.96	3.80	0.97	-1863.91	-4821.48
		-4821.48	-1863.91	-0.02	0.0	50.0	-24.70	44.63	3.80	0.97	-1673.69	-2281.71
						100.0	-24.70	32.31	3.80	0.97	-1483.46	-358.15
42	9	-308.04	-1716.48	-5.31e-03	-32.04	0.0	-40.82	37.76	20.19	0.02	-3735.87	-2482.00
		-2482.00	-3735.87	-0.03	0.0	50.0	-40.82	21.74	20.19	0.02	-2726.18	-994.47
						100.0	-40.82	5.72	20.19	0.02	-1716.48	-308.04
42	11	-543.88	-1855.77	-0.01	-32.04	0.0	-40.82	50.34	20.32	0.41	-3887.42	-3975.91
		-3975.91	-3887.42	-0.04	0.0	50.0	-40.82	34.32	20.32	0.41	-2871.60	-1859.35
						100.0	-40.82	18.30	20.32	0.41	-1855.77	-543.88
42	19	-10.06	-1697.53	-5.49e-03	-24.65	0.0	-26.65	44.77	-1.93	0.87	-1697.53	-3254.26
		-3254.26	-1890.45	0.01	0.0	50.0	-26.65	32.44	-1.93	0.87	-1793.99	-1324.04
						100.0	-26.65	20.12	-1.93	0.87	-1890.45	-10.06
42	27	8.147e+04	-199.08	-0.05	-24.65	0.0	114.00	-605.92	-19.59	2.45	-199.08	8.147e+04
		1.969e+04	-2106.56	0.16	0.0	50.0	114.00	-618.25	-19.59	2.45	-1152.82	5.089e+04
						100.0	114.00	-630.57	-19.59	2.45	-2106.56	1.969e+04
42	28	5.739e+04	4365.90	-0.04	-24.65	0.0	180.37	-418.99	-79.54	8.09	4365.90	5.739e+04
		1.423e+04	-4362.33	0.28	0.0	50.0	180.37	-431.32	-79.54	8.09	1.78	3.612e+04
						100.0	180.37	-443.64	-79.54	8.09	-4362.33	1.423e+04
42	29	-1.448e+04	3512.57	0.04	-24.65	0.0	-224.52	487.25	104.37	-8.37	-7698.61	-6.201e+04
		-6.201e+04	-7698.61	-0.33	0.0	50.0	-224.52	474.93	104.37	-8.37	-2093.02	-3.794e+04
						100.0	-224.52	462.60	104.37	-8.37	3512.57	-1.448e+04
42	30	-1.994e+04	1256.80	0.04	-24.65	0.0	-158.15	674.18	44.42	-2.72	-3133.63	-8.609e+04
		-8.609e+04	-3133.63	-0.21	0.0	50.0	-158.15	661.86	44.42	-2.72	-938.41	-5.271e+04
						100.0	-158.15	649.53	44.42	-2.72	1256.80	-1.994e+04
42	48	-4098.69	7066.88	-0.02	-24.65	0.0	139.33	181.70	-106.11	10.90	7066.88	-2.092e+04
		-2.092e+04	-5027.37	0.24	0.0	50.0	139.33	169.38	-106.11	10.90	1019.75	-1.220e+04
						100.0	139.33	157.05	-106.11	10.90	-5027.37	-4098.69
42	49	1.631e+04	4177.61	9.69e-03	-24.65	0.0	-183.48	-113.44	130.94	-11.17	-1.040e+04	1.631e+04
		3845.19	-1.040e+04	-0.29	0.0	50.0	-183.48	-125.77	130.94	-11.17	-3110.99	1.038e+04
						100.0	-183.48	-138.09	130.94	-11.17	4177.61	3845.19
42	59	3.805e+04	-961.20	-0.02	-24.65	0.0	43.70	-274.16	-2.92	1.06	-961.20	3.805e+04
		9417.36	-1228.36	0.06	0.0	50.0	43.70	-286.48	-2.92	1.06	-1094.78	2.404e+04
						100.0	43.70	-298.81	-2.92	1.06	-1228.36	9417.36
42	60	2.655e+04	1264.48	-0.02	-24.65	0.0	76.17	-184.86	-32.16	3.59	1264.48	2.655e+04
		6813.01	-2330.15	0.11	0.0	50.0	76.17	-197.19	-32.16	3.59	-532.84	1.699e+04
						100.0	76.17	-209.51	-32.16	3.59	-2330.15	6813.01
42	61	-7066.52	1480.39	0.02	-24.65	0.0	-120.32	253.12	56.99	-3.86	-4597.19	-3.116e+04
		-3.116e+04	-4597.19	-0.16	0.0	50.0	-120.32	240.80	56.99	-3.86	-1558.40	-1.881e+04
						100.0	-120.32	228.47	56.99	-3.86	1480.39	-7066.52
42	62	-9670.87	378.60	0.02	-24.65	0.0	-87.85	342.02	27.75	-1.33	-2371.51	-4.266e+04
		-4.266e+04	-2371.51	-0.12	0.0	50.0	-87.85	330.49	27.75	-1.33	-996.45	-2.586e+04
						100.0	-87.85	317.77	27.75	-1.33	378.60	-9670.87
42	80	-1994.75	2588.52	-0.01	-24.65	0.0	56.65	103.87	-45.31	4.82	2588.52	-1.109e+04
		-1.109e+04	-2667.51	0.09	0.0	50.0	56.65	91.54	-45.31	4.82	-39.50	-6233.30
						100.0	56.65	79.22	-45.31	4.82	-2667.51	-1994.75
42	81	6473.55	1817.75	1.93e-03	-24.65	0.0	-100.79	-35.61	70.14	-5.09	-5921.22	6473.55
		1741.25	-5921.22	-0.14	0.0	50.0	-100.79	-47.93	70.14	-5.09	-2051.74	4415.51
						100.0	-100.79	-60.26	70.14	-5.09	1817.75	1741.25
42	87	-48.19	-991.05	-4.56e-03	-24.65	0.0	-24.02	36.32	6.82	0.21	-1673.16	-2447.36
		-2447.36	-1673.16	-9.53e-03	0.0	50.0	-24.02	23.99	6.82	0.21	-1332.11	-939.66
						100.0	-24.02	11.67	6.82	0.21	-991.05	-48.19
42	89	-272.81	-1123.71	-9.13e-03	-24.65	0.0	-24.01	48.30	6.94	0.58	-1817.49	-3870.14
		-3870.14	-1817.49	-0.02	0.0	50.0	-24.01	35.97	6.94	0.58	-1470.60	-1763.36
						100.0	-24.01	23.65	6.94	0.58	-1123.71	-272.81
42	91	-199.03	-1189.30	-3.96e-03	-24.65	0.0	-29.97	29.10	14.84	-0.03	-2673.12	-1876.38
		-1876.38	-2673.12	-0.02	0.0	50.0	-29.97	16.77	14.84	-0.03	-1931.21	-729.59
						100.0	-29.97	4.45	14.84	-0.03	-1189.30	-199.03
42	93	-356.26	-1282.16	-7.16e-03	-24.65	0.0	-29.97	37.49	14.92	0.23	-2774.15	-2872.33
		-2872.33	-2774.15	-0.03	0.0	50.0	-29.97	25.16	14.92	0.23	-2028.16	-1306.18
						100.0	-29.97	12.84	14.92	0.23	-1282.16	-356.26

42	94	-40.74 -2825.32	-1395.03 -1706.57	-5.04e-03 1.91e-03	-24.65 0.0	0.0 50.0 100.0	-25.31 -25.31 -25.31	40.17 27.85 15.52	3.12 3.12 3.12	0.51 0.51 0.51	-1706.57 -1550.80 -1395.03	-2825.32 -1124.92 -40.74
42	98	-59.37 -1880.43	-385.08 -1623.06	-3.85e-03 -0.02	-24.65 0.0	0.0 50.0 100.0	-22.08 -22.08 -22.08	30.54 18.21 5.89	12.38 12.38 12.38	-0.25 -0.25 -0.25	-1623.06 -1004.07 -385.08	-1880.43 -661.79 -59.37
42	99	-171.68 -2591.81	-451.41 -1695.22	-6.14e-03 -0.03	-24.65 0.0	0.0 50.0 100.0	-22.07 -22.07 -22.07	36.53 24.20 11.88	12.44 12.44 12.44	-0.06 -0.06 -0.06	-1695.22 -1073.32 -451.41	-2591.81 -1073.63 -171.68
42	100	-89.54 -1766.23	-424.73 -1823.05	-3.73e-03 -0.02	-24.65 0.0	0.0 50.0 100.0	-23.27 -23.27 -23.27	29.09 16.77 4.44	13.98 13.98 13.98	-0.30 -0.30 -0.30	-1823.05 -1123.89 -424.73	-1766.23 -619.77 -89.54
42	102	-156.92 -2193.06	-464.53 -1866.35	-5.10e-03 -0.03	-24.65 0.0	0.0 50.0 100.0	-23.27 -23.27 -23.27	32.69 20.36 8.04	14.02 14.02 14.02	-0.18 -0.18 -0.18	-1866.35 -1165.44 -464.53	-2193.06 -866.88 -156.92
42	103	-55.64 -2069.41	-587.07 -1639.76	-4.09e-03 -0.02	-24.65 0.0	0.0 50.0 100.0	-22.72 -22.72 -22.72	32.46 20.14 7.81	10.53 10.53 10.53	-0.10 -0.10 -0.10	-1639.76 -1113.41 -587.07	-2069.41 -754.41 -55.64
42	105	-59.37 -1880.43	-385.08 -1623.06	-3.85e-03 -0.02	-24.65 0.0	0.0 50.0 100.0	-22.08 -22.08 -22.08	30.54 18.21 5.89	12.38 12.38 12.38	-0.25 -0.25 -0.25	-1623.06 -1004.07 -385.08	-1880.43 -661.79 -59.37
42	106	-126.75 -2307.26	-424.88 -1666.35	-5.22e-03 -0.03	-24.65 0.0	0.0 50.0 100.0	-22.07 -22.07 -22.07	34.13 21.81 9.48	12.41 12.41 12.41	-0.14 -0.14 -0.14	-1666.35 -1045.62 -424.88	-2307.26 -908.89 -126.75
43	7	2064.42 -2500.31	1854.62 -1122.79	-0.01 7.14e-03	-152.21 0.0	0.0 112.5 225.0	90.28 90.28 90.28	73.58 -2.52 -78.63	-13.23 -13.23 -13.23	-0.75 -0.75 -0.75	1854.62 365.92 -1122.79	-1932.67 2064.42 -2500.31
43	9	4767.71 -6017.12	3713.17 -2583.41	-0.01 0.03	-343.22 0.0	0.0 112.5 225.0	118.48 118.48 118.48	161.55 -10.06 -181.67	-27.98 -27.98 -27.98	0.08 0.08 0.08	3713.17 564.88 -2583.41	-3753.79 4767.71 -6017.12
43	11	4733.14 -5911.71	3861.49 -2704.54	-0.01 7.07e-03	-343.22 0.0	0.0 112.5 225.0	104.89 104.89 104.89	162.80 -8.82 -180.43	-29.18 -29.18 -29.18	-0.68 -0.68 -0.68	3861.49 578.47 -2704.54	-3928.31 4733.14 -5911.71
43	16	3926.27 -4763.45	3026.05 -1810.12	-0.01 0.07	-275.72 0.0	0.0 112.5 225.0	184.72 184.72 184.72	129.55 -8.31 -146.17	-21.49 -21.49 -21.49	0.64 0.64 0.64	3026.05 607.97 -1810.12	-2893.45 3926.27 -4763.45
43	28	1822.92 -4130.21	6344.05 -4425.38	2.16e-03 -0.20	-156.71 0.0	0.0 112.5 225.0	151.37 151.37 151.37	63.80 -14.55 -92.91	47.64 47.64 47.64	-7.31 -7.31 -7.31	-4425.38 959.34 6344.05	-1259.96 1712.39 -4130.21
43	35	2426.56 -3366.01	1484.35 -267.87	-8.99e-03 -0.41	-156.71 0.0	0.0 112.5 225.0	309.66 309.66 309.66	69.33 -9.02 -87.38	-9.27 -9.27 -9.27	5.94 5.94 5.94	1484.35 608.24 -267.87	-781.19 2333.88 -3366.01
43	38	1646.22 -3261.68	1817.36 -2347.29	3.22e-03 0.37	-156.71 0.0	0.0 112.5 225.0	-300.39 -300.39 -300.39	80.34 1.98 -76.37	-17.03 -17.03 -17.03	-7.35 -7.35 -7.35	1817.36 -264.97 -2347.29	-3261.68 1646.22 -2260.84
43	49	2742.93 -1879.49	1.038e+04 -9272.40	-0.02 -0.23	-156.71 0.0	0.0 112.5 225.0	133.75 133.75 133.75	82.71 4.36 -74.00	-86.97 -86.97 -86.97	-10.19 -10.19 -10.19	1.038e+04 552.92 -9272.40	-1449.61 2742.93 -1879.49
43	51	2793.36 -2440.30	8505.42 -6664.99	-0.02 -0.40	-156.71 0.0	0.0 112.5 225.0	269.28 269.28 269.28	77.75 -0.60 -78.96	-67.57 -67.57 -67.57	-10.18 -10.18 -10.18	8505.42 920.21 -6664.99	-849.09 2762.78 -2440.30
43	60	1899.45 -3446.20	2402.71 -1302.95	-3.32e-03 -0.11	-156.71 0.0	0.0 112.5 225.0	75.42 75.42 75.42	69.54 -8.81 -87.17	16.36 16.36 16.36	-3.88 -3.88 -3.88	-1302.95 549.88 2402.71	-1655.90 1856.43 -3446.20
43	67	2185.99 -3074.78	1634.59 -862.25	-6.82e-03 -0.20	-156.71 0.0	0.0 112.5 225.0	148.76 148.76 148.76	72.25 -6.10 -84.46	-11.85 -11.85 -11.85	2.27 2.27 2.27	1634.59 386.17 -862.25	-1435.38 2152.39 -3074.78
43	70	1827.70 -2607.49	1667.12 -1752.92	-2.97e-03 0.16	-156.71 0.0	0.0 112.5 225.0	-139.49 -139.49 -139.49	77.42 -0.94 -79.29	-14.45 -14.45 -14.45	-3.68 -3.68 -3.68	1667.12 -42.90 -1752.92	-2607.49 1827.70 -2552.06
43	81	2351.79 -2365.46	5906.21 -5180.61	-0.01 -0.11	-156.71 0.0	0.0 112.5 225.0	65.90 65.90 65.90	78.58 0.23 -78.13	-49.10 -49.10 -49.10	-5.08 -5.08 -5.08	5906.21 362.80 -5180.61	-1745.91 2351.79 -2365.46
43	83	2364.87 -2633.70	5015.19 -3933.92	-0.01 -0.19	-156.71 0.0	0.0 112.5 225.0	130.37 130.37 130.37	76.22 -2.13 -80.49	-39.85 -39.85 -39.85	-5.14 -5.14 -5.14	5015.19 540.63 -3933.92	-1460.43 2360.41 -2633.70
43	89	2086.77 -2667.26	1806.16 -1200.08	-8.08e-03 -3.23e-03	-156.71 0.0	0.0 112.5 225.0	63.79 63.79 63.79	75.27 -3.08 -81.44	-13.36 -13.36 -13.36	-0.68 -0.68 -0.68	1806.16 303.04 -1200.08	-1974.15 2086.77 -2667.26
43	91	3401.28 -4338.00	2656.32 -1864.76	-9.40e-03 0.02	-246.71 0.0	0.0 112.5 225.0	79.36 79.36 79.36	116.24 -7.12 -130.47	-20.09 -20.09 -20.09	6.68e-03 6.68e-03 6.68e-03	2656.32 -1864.76 -4338.00	-2736.88 3401.28 -4338.00
43	93	3378.24 -4267.74	2755.20 -1945.52	-0.01 -3.90e-03	-246.71 0.0	0.0 112.5 225.0	70.30 70.30 70.30	117.07 -6.29 -129.64	-20.89 -20.89 -20.89	-0.50 -0.50 -0.50	2755.20 404.84 -1945.52	-2853.23 3378.24 -4267.74
43	95	2840.32 -3502.23	2198.24 -1349.24	-9.57e-03 0.04	-201.71 0.0	0.0 112.5	123.52 123.52	94.90 -5.95	-15.77 -15.77	0.38 0.38	2198.24 424.50	-2163.33 2840.32

						225.0	123.52	-106.81	-15.77	0.38	-1349.24	-3502.23
43	99	1983.46	1679.10	-5.09e-03	-156.71	0.0	2.04	75.07	-13.38	-0.85	1679.10	-2054.68
		-2793.35	-1330.66	-0.02	0.0	112.5	2.04	-3.28	-13.38	-0.85	174.22	1983.46
						225.0	2.04	-81.64	-13.38	-0.85	-1330.66	-2793.35
43	100	2256.24	1806.76	-5.06e-03	-174.71	0.0	9.04	82.91	-14.38	-0.49	1806.76	-2157.36
		-3157.61	-1428.98	-0.01	0.0	112.5	9.04	-4.45	-14.38	-0.49	188.89	2256.24
						225.0	9.04	-91.80	-14.38	-0.49	-1428.98	-3157.61
43	102	2246.37	1849.14	-5.39e-03	-174.71	0.0	5.16	83.27	-14.72	-0.71	1849.14	-2207.22
		-3127.50	-1463.59	-0.02	0.0	112.5	5.16	-4.09	-14.72	-0.71	192.77	2246.37
						225.0	5.16	-91.45	-14.72	-0.71	-1463.59	-3127.50
43	103	2039.84	1627.29	-5.23e-03	-156.71	0.0	31.25	74.35	-12.61	-0.31	1627.29	-1917.03
		-2818.24	-1210.22	-3.12e-03	0.0	112.5	31.25	-4.01	-12.61	-0.31	208.53	2039.84
						225.0	31.25	-82.36	-12.61	-0.31	-1210.22	-2818.24
43	105	1999.92	1608.48	-4.51e-03	-156.71	0.0	8.51	74.48	-12.81	-0.49	1608.48	-1971.57
		-2843.54	-1272.97	-0.01	0.0	112.5	8.51	-3.88	-12.81	-0.49	167.75	1999.92
						225.0	8.51	-82.23	-12.81	-0.49	-1272.97	-2843.54
43	106	1990.05	1650.85	-4.85e-03	-156.71	0.0	4.63	74.84	-13.15	-0.70	1650.85	-2021.43
		-2813.42	-1307.58	-0.02	0.0	112.5	4.63	-3.52	-13.15	-0.70	171.64	1990.05
						225.0	4.63	-81.88	-13.15	-0.70	-1307.58	-2813.42
44	11	1.596e+04	1718.40	-1.29e-03	-148.97	0.0	73.83	-352.01	43.24	-10.34	-573.43	1.596e+04
		-6648.03	-573.43	-3.84e-03	0.0	26.5	73.83	-426.50	43.24	-10.34	572.48	5641.10
						53.0	73.83	-500.98	43.24	-10.34	1718.40	-6648.03
44	19	6509.85	725.97	-7.08e-04	-60.16	0.0	26.18	-140.24	35.93	-4.73	-1178.18	6509.85
		-2516.96	-1178.18	0.01	0.0	26.5	26.18	-170.32	35.93	-4.73	-226.10	2395.03
						53.0	26.18	-200.40	35.93	-4.73	725.97	-2516.96
44	21	9085.12	789.01	7.80e-04	-60.16	0.0	42.33	-207.89	39.26	12.04	-1291.63	9085.12
		-3527.19	-1291.63	9.26e-03	0.0	26.5	42.33	-237.97	39.26	12.04	-251.31	3177.55
						53.0	42.33	-268.05	39.26	12.04	789.01	-3527.19
44	24	-7356.46	1211.82	1.95e-03	-62.35	0.0	-6.24	176.79	-111.76	48.15	1211.82	-1.457e+04
		-1.457e+04	-7116.82	-0.03	0.0	26.5	-6.24	145.61	-111.76	48.15	-2952.50	-1.055e+04
						53.0	-6.24	114.43	-111.76	48.15	-7116.82	-7356.46
44	25	2.889e+04	8618.74	-2.81e-03	-62.35	0.0	73.57	-495.34	137.04	-49.89	-1049.46	2.889e+04
		1491.83	-1049.46	0.01	0.0	26.5	73.57	-526.51	137.04	-49.89	3784.64	1.561e+04
						53.0	73.57	-557.69	137.04	-49.89	8618.74	1491.83
44	31	-6414.32	6252.42	7.77e-03	-62.35	0.0	-141.23	82.14	-136.86	17.40	6252.42	-8980.35
		-8980.35	-584.29	-0.13	0.0	26.5	-141.23	50.96	-136.86	17.40	2834.07	-7284.24
						53.0	-141.23	19.79	-136.86	17.40	-584.29	-6414.32
44	34	2.330e+04	2086.21	-7.86e-03	-62.35	0.0	208.56	-400.69	162.14	-19.14	-6090.07	2.330e+04
		549.69	-6090.07	0.12	0.0	26.5	208.56	-431.87	162.14	-19.14	-2001.93	1.234e+04
						53.0	208.56	-463.04	162.14	-19.14	2086.21	549.69
44	44	-1.077e+04	-4007.42	0.02	-62.35	0.0	112.62	320.07	99.96	25.46	-4007.42	-2.585e+04
		-2.585e+04	-5793.74	0.09	0.0	26.5	112.62	288.89	99.96	25.46	-4900.58	-1.790e+04
						53.0	112.62	257.71	99.96	25.46	-5793.74	-1.077e+04
44	45	4.017e+04	7295.65	-0.02	-62.35	0.0	-45.28	-638.62	-74.68	-27.21	4169.77	4.017e+04
		4905.34	4169.77	-0.10	0.0	26.5	-45.28	-669.79	-74.68	-27.21	5732.71	2.295e+04
						53.0	-45.28	-700.97	-74.68	-27.21	7295.65	4905.34
44	57	1.699e+04	4573.87	-1.43e-03	-62.35	0.0	52.84	-312.87	72.90	-24.70	-482.22	1.699e+04
		-1005.33	-482.22	4.84e-03	0.0	26.5	52.84	-344.05	72.90	-24.70	2045.82	8405.38
						53.0	52.84	-375.22	72.90	-24.70	4573.87	-1005.33
44	63	-300.29	2994.74	3.58e-03	-62.35	0.0	-50.39	-47.08	-59.05	7.98	2994.74	-300.29
		-4513.51	111.59	-0.06	0.0	26.5	-50.39	-78.26	-59.05	7.98	1553.16	-1993.81
						53.0	-50.39	-109.44	-59.05	7.98	111.59	-4513.51
44	66	1.462e+04	1390.33	-3.67e-03	-62.35	0.0	117.72	-271.47	84.33	-9.72	-2832.38	1.462e+04
		-1351.12	-2832.38	0.05	0.0	26.5	117.72	-302.64	84.33	-9.72	-721.03	7049.32
						53.0	117.72	-333.82	84.33	-9.72	1390.33	-1351.12
44	76	-6291.92	-1817.53	7.04e-03	-62.35	0.0	72.18	53.10	54.02	11.88	-1817.53	-7389.62
		-7389.62	-2463.88	0.03	0.0	26.5	72.18	21.92	54.02	11.88	-2140.70	-6455.93
						53.0	72.18	-9.25	54.02	11.88	-2463.88	-6348.43
44	77	2.171e+04	3965.80	-7.14e-03	-62.35	0.0	-4.84	-371.65	-28.74	-13.62	1979.88	2.171e+04
		483.80	1979.88	-0.05	0.0	26.5	-4.84	-402.83	-28.74	-13.62	2972.84	1.151e+04
						53.0	-4.84	-434.00	-28.74	-13.62	3965.80	483.80
44	78	-879.18	-1581.04	3.88e-03	-62.35	0.0	112.09	-43.73	86.64	4.90	-3107.78	-879.18
		-4913.91	-3107.78	0.06	0.0	26.5	112.09	-74.90	86.64	4.90	-2344.41	-2483.45
						53.0	112.09	-106.08	86.64	4.90	-1581.04	-4913.91
44	93	1.134e+04	1228.62	-9.37e-04	-106.17	0.0	52.35	-249.57	30.14	-7.62	-368.96	1.134e+04
		-4704.32	-368.96	-3.19e-03	0.0	26.5	52.35	-302.65	30.14	-7.62	429.83	4019.29
						53.0	52.35	-355.73	30.14	-7.62	1228.62	-4704.32
44	94	6640.01	743.00	-6.68e-04	-62.35	0.0	27.89	-143.91	28.09	-5.06	-745.77	6640.01
		-2639.39	-745.77	7.98e-03	0.0	26.5	27.89	-175.08	28.09	-5.06	-1.39	2413.41
						53.0	27.89	-206.26	28.09	-5.06	743.00	-2639.39
44	96	8356.86	785.03	-3.80e-04	-62.35	0.0	38.65	-189.01	30.31	6.12	-821.41	8356.86
		-3312.88	-821.41	4.32e-03	0.0	26.5	38.65	-220.18	30.31	6.12	-18.19	2935.09
						53.0	38.65	-251.36	30.31	6.12	785.03	-3312.88
44	99	7652.16	762.97	-3.84e-04	-62.35	0.0	36.74	-172.16	13.27	2.32	59.57	7652.16
		-3124.74	59.57	-7.92e-03	0.0	26.5	36.74	-203.34	13.27	2.32	411.27	2676.81
						53.0	36.74	-234.51	13.27	2.32	762.97	-3124.74
44	102	7774.63	840.48	-5.73e-04	-71.12	0.0	36.31	-171.70	13.92	-3.57	102.92	7774.63

		-3210.26	102.92	-7.32e-03	0.0	26.5	36.31	-207.26	13.92	-3.57	471.70	2753.33
						53.0	36.31	-242.82	13.92	-3.57	840.48	-3210.26
44	103	6468.68	734.96	-6.06e-04	-62.35	0.0	28.82	-140.74	14.97	-5.54	-58.28	6468.68
		-2642.82	-58.28	-2.66e-03	0.0	26.5	28.82	-171.91	14.97	-5.54	338.34	2326.02
						53.0	28.82	-203.09	14.97	-5.54	734.96	-2642.82
44	104	7204.47	752.97	-4.66e-04	-62.35	0.0	33.43	-160.07	15.92	-0.75	-90.70	7204.47
		-2931.46	-90.70	-4.22e-03	0.0	26.5	33.43	-191.24	15.92	-0.75	331.14	2549.60
						53.0	33.43	-222.42	15.92	-0.75	752.97	-2931.46
44	105	6425.84	732.94	-5.90e-04	-62.35	0.0	29.05	-139.95	11.69	-5.66	113.59	6425.84
		-2643.68	113.59	-5.32e-03	0.0	26.5	29.05	-171.12	11.69	-5.66	423.27	2304.18
						53.0	29.05	-202.30	11.69	-5.66	732.94	-2643.68
44	106	7161.63	750.96	-4.54e-04	-62.35	0.0	33.67	-159.27	12.64	-0.87	81.18	7161.63
		-2932.31	81.18	-6.88e-03	0.0	26.5	33.67	-190.45	12.64	-0.87	416.07	2527.76
						53.0	33.67	-221.63	12.64	-0.87	750.96	-2932.31
45	4	1209.88	-1226.30	-6.31e-03	-32.04	0.0	-34.76	68.15	52.75	-5.66	-6501.28	-4002.56
		-4002.56	-6501.28	-0.03	0.0	50.0	-34.76	52.12	52.75	-5.66	-3863.79	-995.79
						100.0	-34.76	36.10	52.75	-5.66	-1226.30	1209.88
45	5	798.59	-930.61	-1.56e-03	-24.65	0.0	-9.76	-8.68	29.31	-3.50	-3861.48	798.59
		-1302.18	-3861.48	3.13e-03	0.0	50.0	-9.76	-21.01	29.31	-3.50	-2396.05	56.32
						100.0	-9.76	-33.33	29.31	-3.50	-930.61	-1302.18
45	11	300.50	-1216.46	-6.57e-03	-32.04	0.0	-36.20	55.25	64.76	-9.76	-7691.97	-3622.09
		-3622.09	-7691.97	-0.04	0.0	50.0	-36.20	39.23	64.76	-9.76	-4454.21	-1260.25
						100.0	-36.20	23.20	64.76	-9.76	-1216.46	300.50
45	19	2986.65	-1437.89	-7.44e-04	-24.65	0.0	-5.47	-41.80	32.05	-3.28	-4642.59	2986.65
		-2425.98	-4642.59	0.01	0.0	50.0	-5.47	-54.13	32.05	-3.28	-3040.24	588.45
						100.0	-5.47	-66.45	32.05	-3.28	-1437.89	-2425.98
45	23	8.408e+04	-316.07	-0.03	-24.65	0.0	39.88	-1122.86	110.92	5.34	-1.138e+04	8.408e+04
		-2.945e+04	-1.138e+04	0.14	0.0	50.0	39.88	-1135.19	110.92	5.34	-5848.53	2.762e+04
						100.0	39.88	-1147.51	110.92	5.34	-316.07	-2.945e+04
45	26	3.129e+04	5697.78	0.03	-24.65	0.0	-78.86	1230.76	-58.33	-12.29	5697.78	-9.056e+04
		-9.056e+04	-107.99	-0.19	0.0	50.0	-78.86	1218.44	-58.33	-12.29	2794.89	-2.933e+04
						100.0	-78.86	1206.11	-58.33	-12.29	-107.99	3.129e+04
45	27	8.509e+04	-90.86	-0.03	-24.65	0.0	39.15	-1136.32	113.94	6.32	-1.148e+04	8.509e+04
		-2.979e+04	-1.148e+04	0.16	0.0	50.0	39.15	-1148.64	113.94	6.32	-5784.93	2.796e+04
						100.0	39.15	-1160.97	113.94	6.32	-90.86	-2.979e+04
45	30	3.163e+04	5795.81	0.03	-24.65	0.0	-78.12	1244.22	-61.35	-13.28	5795.81	-9.158e+04
		-9.158e+04	-333.21	-0.21	0.0	50.0	-78.12	1231.89	-61.35	-13.28	2731.30	-2.967e+04
						100.0	-78.12	1219.57	-61.35	-13.28	-333.21	3.163e+04
45	51	4.794e+04	3510.52	-0.01	-24.65	0.0	25.51	-634.98	226.28	10.70	-1.939e+04	4.794e+04
		-1.684e+04	-1.939e+04	-0.09	0.0	50.0	25.51	-647.31	226.28	10.70	-7941.38	1.586e+04
						100.0	25.51	-659.63	226.28	10.70	3510.52	-1.684e+04
45	54	1.869e+04	1.371e+04	0.01	-24.65	0.0	-64.49	742.88	-173.69	-17.65	1.371e+04	-5.443e+04
		-5.443e+04	-3934.59	0.04	0.0	50.0	-64.49	730.56	-173.69	-17.65	4887.74	-1.756e+04
						100.0	-64.49	718.23	-173.69	-17.65	-3934.59	1.869e+04
45	55	3.886e+04	-253.19	-0.01	-24.65	0.0	9.30	-513.50	67.34	0.73	-6979.96	3.886e+04
		-1.373e+04	-6979.96	0.06	0.0	50.0	9.30	-525.83	67.34	0.73	-3616.57	1.287e+04
						100.0	9.30	-538.15	67.34	0.73	-253.19	-1.373e+04
45	58	1.557e+04	1296.75	0.01	-24.65	0.0	-48.27	621.40	-14.74	-7.68	1296.75	-4.534e+04
		-4.534e+04	-170.88	-0.11	0.0	50.0	-48.27	609.08	-14.74	-7.68	562.94	-1.458e+04
						100.0	-48.27	596.75	-14.74	-7.68	-170.88	1.557e+04
45	59	3.935e+04	-142.51	-0.01	-24.65	0.0	8.97	-520.03	68.83	1.26	-7028.85	3.935e+04
		-1.389e+04	-7028.85	0.06	0.0	50.0	8.97	-532.35	68.83	1.26	-3585.68	1.304e+04
						100.0	8.97	-544.68	68.83	1.26	-142.51	-1.389e+04
45	62	1.573e+04	1345.64	0.01	-24.65	0.0	-47.95	627.92	-16.23	-8.21	1345.64	-4.584e+04
		-4.584e+04	-281.56	-0.11	0.0	50.0	-47.95	615.60	-16.23	-8.21	532.04	-1.474e+04
						100.0	-47.95	603.28	-16.23	-8.21	-281.56	1.573e+04
45	83	2.142e+04	1621.60	-6.66e-03	-24.65	0.0	2.46	-277.95	123.77	3.45	-1.091e+04	2.142e+04
		-7640.11	-1.091e+04	-0.05	0.0	50.0	2.46	-290.27	123.77	3.45	-4643.59	7195.92
						100.0	2.46	-302.60	123.77	3.45	1621.60	-7640.11
45	86	9481.58	5225.58	5.04e-03	-24.65	0.0	-41.43	385.84	-71.17	-10.40	5225.58	-2.790e+04
		-2.790e+04	-2045.66	-2.89e-03	0.0	50.0	-41.43	373.52	-71.17	-10.40	1589.96	-8900.64
						100.0	-41.43	361.20	-71.17	-10.40	-2045.66	9481.58
45	87	-229.98	-681.87	-2.09e-03	-24.65	0.0	-12.55	9.49	28.71	-3.79	-3552.93	-412.46
		-696.13	-3552.93	-8.58e-03	0.0	50.0	-12.55	-2.84	28.71	-3.79	-2117.40	-246.18
						100.0	-12.55	-15.16	28.71	-3.79	-681.87	-696.13
45	90	834.18	-837.55	-4.51e-03	-24.65	0.0	-24.99	50.04	38.12	-4.19	-4649.10	-2937.10
		-2937.10	-4649.10	-0.03	0.0	50.0	-24.99	37.71	38.12	-4.19	-2743.32	-743.35
						100.0	-24.99	25.39	38.12	-4.19	-837.55	834.18
45	93	227.92	-830.99	-4.69e-03	-24.65	0.0	-25.95	41.44	46.12	-6.92	-5442.88	-2683.45
		-2683.45	-5442.88	-0.03	0.0	50.0	-25.95	29.11	46.12	-6.92	-3136.94	-919.65
						100.0	-25.95	16.79	46.12	-6.92	-830.99	227.92
45	94	1046.25	-1020.05	-1.55e-03	-24.65	0.0	-9.70	-12.59	30.54	-3.64	-4073.67	1046.25
		-1445.33	-4073.67	4.08e-03	0.0	50.0	-9.70	-24.92	30.54	-3.64	-2546.86	108.57
						100.0	-9.70	-37.24	30.54	-3.64	-1020.05	-1445.33
45	98	427.68	-174.59	-2.91e-03	-24.65	0.0	-16.84	42.61	25.97	-4.01	-2771.82	-2600.53
		-2600.53	-2771.82	-0.02	0.0	50.0	-16.84	30.28	25.97	-4.01	-1473.21	-778.31
						100.0	-16.84	17.96	25.97	-4.01	-174.59	427.68

45	99	1249.43 -3669.10	-236.99 -2888.12	-3.77e-03 -0.03	-24.65 0.0	0.0 50.0 100.0	-21.25 -21.25 -21.25	61.51 49.19 36.86	26.51 26.51 26.51	-3.12 -3.12 -3.12	-2888.12 -1562.56 -236.99	-3669.10 -901.72 1249.43
45	102	875.45 -3396.67	-224.39 -3187.03	-3.71e-03 -0.03	-24.65 0.0	0.0 50.0 100.0	-20.93 -20.93 -20.93	55.05 42.72 30.40	29.63 29.63 29.63	-4.35 -4.35 -4.35	-3187.03 -1705.71 -224.39	-3396.67 -952.50 875.45
45	103	53.08 -1871.17	-343.68 -3032.19	-2.64e-03 -0.02	-24.65 0.0	0.0 50.0 100.0	-15.41 -15.41 -15.41	31.57 19.24 6.92	26.89 26.89 26.89	-3.94 -3.94 -3.94	-3032.19 -1687.94 -343.68	-1871.17 -600.93 53.08
45	105	427.68 -2600.53	-174.59 -2771.82	-2.91e-03 -0.02	-24.65 0.0	0.0 50.0 100.0	-16.84 -16.84 -16.84	42.61 30.28 17.96	25.97 25.97 25.97	-4.01 -4.01 -4.01	-2771.82 -1473.21 -174.59	-2600.53 -778.31 427.68
45	106	920.73 -3241.67	-212.03 -2841.60	-3.43e-03 -0.03	-24.65 0.0	0.0 50.0 100.0	-19.49 -19.49 -19.49	53.95 41.62 29.30	26.30 26.30 26.30	-3.48 -3.48 -3.48	-2841.60 -1526.82 -212.03	-3241.67 -852.36 920.73
46	8	542.13 -6149.41	3802.05 -1192.46	-2.67e-03 0.03	-166.00 0.0	0.0 85.0 170.0	161.86 161.86 161.86	51.69 -31.32 -114.32	-29.38 -29.38 -29.38	3.83 3.83 3.83	3802.05 1304.80 -1192.46	-25.73 40.00 -6149.41
46	9	274.94 -1.114e+04	4863.97 -2580.16	-2.56e-03 0.05	-259.32 0.0	0.0 85.0 170.0	202.59 202.59 202.59	72.52 -57.14 -186.80	-43.79 -43.79 -43.79	12.97 12.97 12.97	4863.97 1141.90 -2580.16	-1429.62 -775.82 -1.114e+04
46	15	1353.12 -7637.71	4433.14 -906.41	2.32e-03 0.10	-157.32 0.0	0.0 85.0 170.0	346.63 346.63 346.63	28.32 -50.34 -129.01	-31.41 -31.41 -31.41	10.47 10.47 10.47	4433.14 1763.37 -906.41	920.57 -15.43 -7637.71
46	18	1068.15 -8917.41	5260.91 -1402.59	-1.40e-03 0.08	-208.32 0.0	0.0 85.0 170.0	316.60 316.60 316.60	51.88 -52.28 -156.44	-39.20 -39.20 -39.20	9.18 9.18 9.18	5260.91 1929.16 -1402.59	-30.23 -46.93 -8917.41
46	19	1545.67 -6095.30	3904.29 -448.82	2.55e-03 0.10	-115.00 0.0	0.0 85.0 170.0	343.87 343.87 343.87	13.32 -44.18 -101.68	-25.61 -25.61 -25.61	9.39 9.39 9.39	3904.29 1727.73 -448.82	1415.32 103.83 -6095.30
46	27	-69.70 -3895.42	1.395e+04 -1.013e+04	-5.43e-03 -0.49	-118.40 0.0	0.0 85.0 170.0	487.90 487.90 487.90	45.37 -13.83 -73.03	-138.36 -138.36 -138.36	17.24 17.24 17.24	1.395e+04 1908.83 -1.013e+04	-1548.38 -205.83 -3895.42
46	35	2896.85 -7402.97	1.340e+04 -1.088e+04	-4.73e-03 -0.44	-118.40 0.0	0.0 85.0 170.0	572.55 572.55 572.55	-1.38 -60.58 -119.78	-131.04 -131.04 -131.04	19.42 19.42 19.42	1.340e+04 1259.38 -1.088e+04	2896.85 263.01 -7402.97
46	38	106.10 -6027.68	8398.56 -1.035e+04	1.89e-03 0.41	-118.40 0.0	0.0 85.0 170.0	-596.74 -596.74 -596.74	92.50 33.30 -25.90	98.48 98.48 98.48	-15.70 -15.70 -15.70	-1.035e+04 -977.15 8398.56	-6027.68 -680.50 -365.46
46	43	2653.22 -7232.20	1.344e+04 -1.352e+04	1.27e-03 -1.36	-118.40 0.0	0.0 85.0 170.0	481.45 481.45 481.45	1.07 -58.13 -117.33	-150.15 -150.15 -150.15	20.96 20.96 20.96	1.344e+04 -40.37 -1.352e+04	2653.22 226.58 -7232.20
46	51	3782.20 -8176.14	1.362e+04 -1.351e+04	2.68e-03 -1.45	-118.40 0.0	0.0 85.0 170.0	496.89 496.89 496.89	-11.13 -70.33 -129.53	-150.25 -150.25 -150.25	19.33 19.33 19.33	1.362e+04 56.64 -1.351e+04	3782.20 319.10 -8176.14
46	59	-69.46 -3898.12	7540.10 -5568.02	-4.07e-03 -0.24	-118.40 0.0	0.0 85.0 170.0	227.71 227.71 227.71	45.36 -13.84 -73.05	-75.52 -75.52 -75.52	9.11 9.11 9.11	7540.10 986.04 -5568.02	-1546.37 -206.18 -3898.12
46	67	964.73 -5583.97	7277.28 -5936.44	-3.76e-03 -0.23	-118.40 0.0	0.0 85.0 170.0	263.22 263.22 263.22	22.89 -36.31 -95.51	-72.07 -72.07 -72.07	9.87 9.87 9.87	7277.28 670.42 -5936.44	588.92 18.55 -5583.97
46	70	-379.40 -3719.75	3451.24 -4227.62	-1.92e-03 0.20	-118.40 0.0	0.0 85.0 170.0	-287.41 -287.41 -287.41	68.23 9.03 -50.17	39.52 39.52 39.52	-6.15 -6.15 -6.15	-4227.62 -388.19 3451.24	-3719.75 -436.04 -2184.47
46	75	899.56 -5516.19	7313.68 -7260.67	-1.52e-03 -0.65	-118.40 0.0	0.0 85.0 170.0	223.23 223.23 223.23	23.86 -35.34 -94.54	-81.72 -81.72 -81.72	10.72 10.72 10.72	7313.68 26.50 -7260.67	493.06 4.51 -5516.19
46	83	1269.62 -5980.73	7411.46 -7251.00	7.85e-04 -0.70	-118.40 0.0	0.0 85.0 170.0	229.30 229.30 229.30	17.87 -41.34 -100.54	-81.82 -81.82 -81.82	9.94 9.94 9.94	7411.46 80.23 -7251.00	1047.36 49.38 -5980.73
46	90	312.42 -5579.68	3058.69 -1249.35	-2.65e-03 0.02	-152.40 0.0	0.0 85.0 170.0	107.87 107.87 107.87	49.60 -26.60 -102.80	-25.34 -25.34 -25.34	3.61 3.61 3.61	3058.69 904.67 -1249.35	-1057.56 -80.05 -5579.68
46	91	164.24 -7880.67	3414.07 -1869.43	-1.99e-03 0.03	-186.40 0.0	0.0 85.0 170.0	133.18 133.18 133.18	53.49 -39.71 -132.91	-31.08 -31.08 -31.08	8.97 8.97 8.97	3414.07 772.32 -1869.43	-1130.32 -544.42 -7880.67
46	94	848.44 -5543.61	3126.85 -753.60	1.47e-03 0.06	-118.40 0.0	0.0 85.0 170.0	229.21 229.21 229.21	24.02 -35.18 -94.38	-22.83 -22.83 -22.83	7.31 7.31 7.31	3126.85 1186.63 -753.60	436.47 -37.50 -5543.61
46	97	681.70 -6396.74	3678.69 -1084.38	-1.22e-03 0.05	-152.40 0.0	0.0 85.0 170.0	209.19 209.19 209.19	39.73 -36.47 -112.67	-28.02 -28.02 -28.02	6.45 6.45 6.45	3678.69 1297.16 -1084.38	-197.39 -58.50 -6396.74
46	99	-53.53 -3713.88	1547.94 -1208.56	-3.08e-03 -0.01	-118.40 0.0	0.0 85.0 170.0	-17.42 -17.42 -17.42	46.95 -12.25 -71.45	-16.21 -16.21 -16.21	1.13 1.13 1.13	1547.94 169.69 -1208.56	-1631.43 -156.59 -3713.88
46	100	-157.24 -4719.45	1678.54 -1473.61	-2.70e-03 -7.84e-03	-132.00 0.0	0.0 85.0	-4.63 -4.63	47.81 -18.19	-18.54 -18.54	3.64 3.64	1678.54 102.46	-1627.53 -368.42

						170.0	-4.63	-84.19	-18.54	3.64	-1473.61	-4719.45
46	103	34.34	1817.50	-1.95e-03	-118.40	0.0	42.57	39.59	-17.67	3.83	1817.50	-1085.82
		-4420.50	-1185.64	6.92e-03	0.0	85.0	42.57	-19.62	-17.67	3.83	315.93	-237.09
						170.0	42.57	-78.82	-17.67	3.83	-1185.64	-4420.50
46	104	56.42	1852.17	-2.31e-03	-118.40	0.0	34.57	41.67	-17.57	2.73	1852.17	-1184.84
		-4164.99	-1134.59	2.53e-03	0.0	85.0	34.57	-17.53	-17.57	2.73	358.79	-158.85
						170.0	34.57	-76.73	-17.57	2.73	-1134.59	-4164.99
46	105	-110.08	1490.16	-2.48e-03	-118.40	0.0	-4.09	43.48	-16.38	2.96	1490.16	-1466.40
		-4139.72	-1293.65	-7.56e-03	0.0	85.0	-4.09	-15.73	-16.38	2.96	98.25	-286.99
						170.0	-4.09	-74.93	-16.38	2.96	-1293.65	-4139.72
46	106	-76.15	1524.83	-2.84e-03	-118.40	0.0	-12.09	45.56	-16.28	1.86	1524.83	-1565.42
		-3884.22	-1242.60	-0.01	0.0	85.0	-12.09	-13.64	-16.28	1.86	141.12	-208.75
						170.0	-12.09	-72.84	-16.28	1.86	-1242.60	-3884.22
47	5	4734.55	2615.88	-0.01	-192.98	0.0	92.39	-64.72	-22.26	5.55	2615.88	4734.55
		-2.267e+04	-1167.91	0.06	0.0	85.0	92.39	-161.21	-22.26	5.55	723.98	-4867.41
						170.0	92.39	-257.70	-22.26	5.55	-1167.91	-2.267e+04
47	9	1.127e+04	3760.76	-0.02	-477.83	0.0	205.60	-144.84	-34.85	9.31	3760.76	1.127e+04
		-5.397e+04	-2163.24	0.05	0.0	85.0	205.60	-383.75	-34.85	9.31	798.76	-1.119e+04
						170.0	205.60	-622.67	-34.85	9.31	-2163.24	-5.397e+04
47	11	9125.06	3861.31	-0.03	-477.83	0.0	222.40	-111.89	-34.57	11.43	3861.31	9125.06
		-5.051e+04	-2015.75	0.04	0.0	85.0	222.40	-350.81	-34.57	11.43	922.78	-1.054e+04
						170.0	222.40	-589.72	-34.57	11.43	-2015.75	-5.051e+04
47	18	6863.18	4616.18	-0.03	-372.43	0.0	184.03	-85.59	-38.72	11.80	4616.18	6863.18
		-3.934e+04	-1965.90	0.08	0.0	85.0	184.03	-271.81	-38.72	11.80	1325.14	-8326.14
						170.0	184.03	-458.02	-38.72	11.80	-1965.90	-3.934e+04
47	23	2.200e+04	1.563e+04	-0.01	-200.00	0.0	99.67	-288.52	-170.90	-4.11	1.563e+04	2.200e+04
		-4.452e+04	-1.352e+04	-0.46	0.0	85.0	99.67	-388.53	-170.90	-4.11	1054.29	-7010.02
						170.0	99.67	-488.53	-170.90	-4.11	-1.352e+04	-4.452e+04
47	26	834.69	1.224e+04	-0.02	-200.00	0.0	96.73	185.07	152.71	11.81	-1.383e+04	-1.416e+04
		-1.416e+04	-1.383e+04	0.44	0.0	85.0	96.73	85.07	152.71	11.81	-796.51	-2444.35
						170.0	96.73	-14.93	152.71	11.81	1.224e+04	771.86
47	31	2.689e+04	1.538e+04	-0.01	-200.00	0.0	-16.33	-332.93	-169.96	8.86	1.538e+04	2.689e+04
		-4.767e+04	-1.377e+04	-0.41	0.0	85.0	-16.33	-432.93	-169.96	8.86	807.82	-6139.13
						170.0	-16.33	-532.93	-169.96	8.86	-1.377e+04	-4.767e+04
47	35	2.672e+04	1.495e+04	-0.01	-200.00	0.0	-29.00	-333.77	-161.84	9.25	1.495e+04	2.672e+04
		-4.793e+04	-1.281e+04	-0.44	0.0	85.0	-29.00	-433.77	-161.84	9.25	1069.24	-6357.96
						170.0	-29.00	-533.77	-161.84	9.25	-1.281e+04	-4.793e+04
47	44	-4987.45	6429.35	-9.90e-03	-200.00	0.0	-185.78	83.44	65.41	17.97	-4940.65	-8217.65
		-1.040e+04	-4940.65	1.34	0.0	85.0	-185.78	-16.56	65.41	17.97	744.35	-5057.25
						170.0	-185.78	-116.56	65.41	17.97	6429.35	-1.040e+04
47	45	1.606e+04	6744.40	-0.02	-200.00	0.0	382.18	-186.90	-83.60	-10.27	6744.40	1.606e+04
		-3.335e+04	-7717.53	-1.37	0.0	85.0	382.18	-286.90	-83.60	-10.27	-486.57	-4397.13
						170.0	382.18	-386.90	-83.60	-10.27	-7717.53	-3.335e+04
47	55	1.233e+04	8014.35	-0.01	-200.00	0.0	99.88	-163.69	-87.27	0.26	8014.35	1.233e+04
		-3.270e+04	-6873.62	-0.23	0.0	85.0	99.88	-263.69	-87.27	0.26	570.36	-5936.59
						170.0	99.88	-363.69	-87.27	0.26	-6873.62	-3.270e+04
47	67	1.455e+04	7688.58	-0.01	-200.00	0.0	43.85	-185.70	-82.97	6.15	7688.58	1.455e+04
		-3.440e+04	-6537.08	-0.23	0.0	85.0	43.85	-285.71	-82.97	6.15	575.75	-5676.11
						170.0	43.85	-385.71	-82.97	6.15	-6537.08	-3.440e+04
47	75	1.418e+04	7106.37	-0.01	-200.00	0.0	179.31	-175.45	-82.07	-0.31	7106.37	1.418e+04
		-3.314e+04	-7017.30	-0.65	0.0	85.0	179.31	-275.45	-82.07	-0.31	44.53	-5230.90
						170.0	179.31	-375.46	-82.07	-0.31	-7017.30	-3.314e+04
47	76	-1319.36	2800.90	-0.01	-200.00	0.0	-31.14	8.97	27.06	10.25	-1921.33	-1368.30
		-1.652e+04	-1921.33	0.62	0.0	85.0	-31.14	-91.03	27.06	10.25	439.79	-4695.60
						170.0	-31.14	-191.03	27.06	10.25	2800.90	-1.652e+04
47	77	9207.73	3725.08	-0.02	-200.00	0.0	227.54	-112.42	-45.24	-2.54	3725.08	9207.73
		-2.723e+04	-4089.09	-0.65	0.0	85.0	227.54	-212.43	-45.24	-2.54	-182.00	-4758.77
						170.0	227.54	-312.43	-45.24	-2.54	-4089.09	-2.723e+04
47	87	4743.93	2048.78	-0.01	-200.00	0.0	94.69	-64.41	-18.03	4.87	2048.78	4743.93
		-2.321e+04	-1016.85	0.04	0.0	85.0	94.69	-164.41	-18.03	4.87	515.96	-4980.65
						170.0	94.69	-264.41	-18.03	4.87	-1016.85	-2.321e+04
47	91	8041.40	2609.79	-0.02	-340.54	0.0	147.56	-103.83	-24.32	6.55	2609.79	8041.40
		-3.856e+04	-1524.15	0.03	0.0	85.0	147.56	-274.10	-24.32	6.55	542.82	-8020.50
						170.0	147.56	-444.37	-24.32	6.55	-1524.15	-3.856e+04
47	93	6611.07	2676.82	-0.02	-340.54	0.0	158.76	-81.87	-24.13	7.96	2676.82	6611.07
		-3.625e+04	-1425.83	0.02	0.0	85.0	158.76	-252.14	-24.13	7.96	625.49	-7584.03
						170.0	158.76	-422.40	-24.13	7.96	-1425.83	-3.625e+04
47	97	5103.15	3180.07	-0.02	-270.27	0.0	133.18	-64.33	-26.90	8.21	3180.07	5103.15
		-2.881e+04	-1392.59	0.05	0.0	85.0	133.18	-199.47	-26.90	8.21	893.74	-6108.37
						170.0	133.18	-334.60	-26.90	8.21	-1392.59	-2.881e+04
47	98	4532.71	873.15	-0.01	-200.00	0.0	93.40	-61.14	-9.17	3.25	873.15	4532.71
		-2.286e+04	-686.23	-7.71e-03	0.0	85.0	93.40	-161.14	-9.17	3.25	93.46	-4914.25
						170.0	93.40	-261.14	-9.17	3.25	-686.23	-2.286e+04
47	100	5192.20	985.35	-0.01	-228.11	0.0	103.97	-69.02	-10.43	3.58	985.35	5192.20
		-2.593e+04	-787.69	-8.00e-03	0.0	85.0	103.97	-183.08	-10.43	3.58	98.83	-5522.22
						170.0	103.97	-297.13	-10.43	3.58	-787.69	-2.593e+04
47	102	4579.21	1014.08	-0.01	-228.11	0.0	108.77	-59.61	-10.35	4.19	1014.08	4579.21

		-2.494e+04	-745.55	-0.01	0.0	85.0	108.77	-173.67	-10.35	4.19	134.26	-5335.16
						170.0	108.77	-287.72	-10.35	4.19	-745.55	-2.494e+04
47	103	4603.12	1265.03	-0.01	-200.00	0.0	93.83	-62.23	-12.13	3.79	1265.03	4603.12
		-2.298e+04	-796.44	6.75e-03	0.0	85.0	93.83	-162.23	-12.13	3.79	234.29	-4936.38
						170.0	93.83	-262.23	-12.13	3.79	-796.44	-2.298e+04
47	104	3990.12	1293.75	-0.01	-200.00	0.0	98.63	-52.82	-12.05	4.39	1293.75	3990.12
		-2.199e+04	-754.30	2.30e-03	0.0	85.0	98.63	-152.82	-12.05	4.39	269.73	-4749.32
						170.0	98.63	-252.82	-12.05	4.39	-754.30	-2.199e+04
47	105	4532.71	873.15	-0.01	-200.00	0.0	93.40	-61.14	-9.17	3.25	873.15	4532.71
		-2.286e+04	-686.23	-7.71e-03	0.0	85.0	93.40	-161.14	-9.17	3.25	93.46	-4914.25
						170.0	93.40	-261.14	-9.17	3.25	-686.23	-2.286e+04
47	106	3919.71	901.88	-0.01	-200.00	0.0	98.20	-51.73	-9.09	3.85	901.88	3919.71
		-2.187e+04	-644.09	-0.01	0.0	85.0	98.20	-151.73	-9.09	3.85	128.89	-4727.19
						170.0	98.20	-251.73	-9.09	3.85	-644.09	-2.187e+04
48	4	2.026e+04	520.82	-0.04	-32.04	0.0	-219.57	518.06	143.00	-17.49	-1.378e+04	-2.995e+04
		-2.995e+04	-1.378e+04	-0.03	0.0	50.0	-219.57	502.04	143.00	-17.49	-6629.09	-4442.68
						100.0	-219.57	486.02	143.00	-17.49	520.82	2.026e+04
48	5	1.230e+04	508.56	-0.03	-24.65	0.0	-72.67	243.69	102.06	-9.72	-9697.15	-1.083e+04
		-1.083e+04	-9697.15	7.33e-03	0.0	50.0	-72.67	231.37	102.06	-9.72	-4594.29	1041.90
						100.0	-72.67	219.04	102.06	-9.72	508.56	1.230e+04
48	9	2.941e+04	172.22	-0.06	-32.04	0.0	-143.24	638.34	136.21	-21.97	-1.345e+04	-3.283e+04
		-3.283e+04	-1.345e+04	-0.02	0.0	50.0	-143.24	622.31	136.21	-21.97	-6638.34	-1310.09
						100.0	-143.24	606.29	136.21	-21.97	172.22	2.941e+04
48	11	2.756e+04	327.95	-0.06	-32.04	0.0	-211.70	654.78	149.23	-21.89	-1.459e+04	-3.632e+04
		-3.632e+04	-1.459e+04	-0.04	0.0	50.0	-211.70	638.76	149.23	-21.89	-7133.36	-3977.62
						100.0	-211.70	622.74	149.23	-21.89	327.95	2.756e+04
48	18	2.219e+04	942.52	-0.05	-32.04	0.0	-191.72	486.55	186.42	-17.72	-1.770e+04	-2.486e+04
		-2.486e+04	-1.770e+04	-0.01	0.0	50.0	-191.72	470.53	186.42	-17.72	-8378.25	-937.95
						100.0	-191.72	454.51	186.42	-17.72	942.52	2.219e+04
48	21	1.160e+04	1152.73	-0.03	-24.65	0.0	-142.61	235.68	164.07	-9.84	-1.525e+04	-1.074e+04
		-1.074e+04	-1.525e+04	0.01	0.0	50.0	-142.61	223.36	164.07	-9.84	-7050.62	735.88
						100.0	-142.61	211.03	164.07	-9.84	1152.73	1.160e+04
48	23	5.334e+04	3227.68	-0.07	-24.65	0.0	-137.31	-191.02	301.61	-17.60	-2.707e+04	-3.301e+04
		3.301e+04	-2.707e+04	0.14	0.0	50.0	-137.31	-203.34	301.61	-17.60	-1.192e+04	4.349e+04
						100.0	-137.31	-215.67	301.61	-17.60	3227.68	5.334e+04
48	26	-1.209e+04	2.007e+04	0.04	-24.65	0.0	-322.97	781.17	-235.33	-1.82	2.007e+04	-8.897e+04
		-8.897e+04	-3601.53	-0.19	0.0	50.0	-322.97	768.84	-235.33	-1.82	8234.90	-5.022e+04
						100.0	-322.97	756.52	-235.33	-1.82	-3601.53	-1.209e+04
48	27	5.347e+04	3411.94	-0.07	-24.65	0.0	136.63	-191.98	309.64	-17.75	-2.771e+04	5.347e+04
		3.304e+04	-2.771e+04	0.16	0.0	50.0	136.63	-204.31	309.64	-17.75	-1.215e+04	4.356e+04
						100.0	136.63	-216.63	309.64	-17.75	3411.94	5.347e+04
48	30	-1.212e+04	2.071e+04	0.04	-24.65	0.0	-322.29	782.13	-243.35	-1.67	2.071e+04	-8.910e+04
		-8.910e+04	-3785.79	-0.21	0.0	50.0	-322.29	769.81	-243.35	-1.67	8459.93	-5.030e+04
						100.0	-322.29	757.48	-243.35	-1.67	-3785.79	-1.212e+04
48	35	3.439e+04	4544.08	-0.05	-24.65	0.0	92.28	-61.43	415.98	-19.26	-3.727e+04	3.439e+04
		2.702e+04	-3.727e+04	0.33	0.0	50.0	92.28	-73.75	415.98	-19.26	-1.636e+04	3.101e+04
						100.0	92.28	-86.08	415.98	-19.26	4544.08	2.702e+04
48	38	-6096.04	3.027e+04	0.02	-24.65	0.0	-277.94	651.58	-349.70	-0.17	3.027e+04	-7.002e+04
		-7.002e+04	-4917.94	-0.38	0.0	50.0	-277.94	639.25	-349.70	-0.17	1.268e+04	-3.775e+04
						100.0	-277.94	626.93	-349.70	-0.17	-4917.94	-6096.04
48	55	2.131e+04	1438.90	-0.04	-24.65	0.0	18.96	61.25	161.89	-13.53	-1.482e+04	1.642e+04
		1.642e+04	-1.482e+04	0.06	0.0	50.0	18.96	48.93	161.89	-13.53	-6689.30	1.918e+04
						100.0	18.96	36.60	161.89	-13.53	1438.90	2.131e+04
48	58	-394.60	7815.43	0.01	-24.65	0.0	-204.61	528.89	-95.61	-5.89	7815.43	-5.205e+04
		-5.205e+04	-1812.76	-0.11	0.0	50.0	-204.61	516.57	-95.61	-5.89	3001.33	-2.591e+04
						100.0	-204.61	504.24	-95.61	-5.89	-1812.76	-394.60
48	59	2.132e+04	1537.24	-0.04	-24.65	0.0	18.68	60.91	166.16	-13.60	-1.515e+04	1.646e+04
		1.646e+04	-1.515e+04	0.06	0.0	50.0	18.68	48.59	166.16	-13.60	-6808.08	1.920e+04
						100.0	18.68	36.27	166.16	-13.60	1537.24	2.132e+04
48	62	-400.84	8151.34	0.01	-24.65	0.0	-204.34	529.23	-99.88	-5.82	8151.34	-5.209e+04
		-5.209e+04	-1911.09	-0.11	0.0	50.0	-204.34	516.91	-99.88	-5.82	3120.12	-2.594e+04
						100.0	-204.34	504.58	-99.88	-5.82	-1911.09	-400.84
48	67	1.836e+04	2077.71	-0.04	-24.65	0.0	-2.66	125.28	217.45	-14.33	-1.976e+04	7056.97
		7056.97	-1.976e+04	0.14	0.0	50.0	-2.66	112.96	217.45	-14.33	-8843.37	1.301e+04
						100.0	-2.66	100.63	217.45	-14.33	2077.71	1.836e+04
48	70	2564.41	1.276e+04	-9.34e-03	-24.65	0.0	-183.00	464.86	-151.17	-5.09	1.276e+04	-4.269e+04
		-4.269e+04	-2451.57	-0.19	0.0	50.0	-183.00	452.54	-151.17	-5.09	5155.41	-1.975e+04
						100.0	-183.00	440.21	-151.17	-5.09	-2451.57	2564.41
48	87	1.213e+04	257.02	-0.03	-24.65	0.0	-74.75	265.91	78.42	-9.93	-7584.73	-1.323e+04
		-1.323e+04	-7584.73	-7.48e-03	0.0	50.0	-74.75	253.59	78.42	-9.93	-3663.86	-245.61
						100.0	-74.75	241.26	78.42	-9.93	257.02	1.213e+04
48	90	1.471e+04	321.24	-0.03	-24.65	0.0	-154.27	377.43	98.68	-12.76	-9547.08	-2.180e+04
		-2.180e+04	-9547.08	-0.02	0.0	50.0	-154.27	365.10	98.68	-12.76	-4612.92	-3238.23
						100.0	-154.27	352.78	98.68	-12.76	321.24	1.471e+04
48	91	2.081e+04	88.84	-0.04	-24.65	0.0	-103.38	457.61	94.16	-15.75	-9327.01	-2.372e+04
		-2.372e+04	-9327.01	-0.02	0.0	50.0	-103.38	445.29	94.16	-15.75	-4619.09	-1149.83
						100.0	-103.38	432.96	94.16	-15.75	88.84	2.081e+04

48	93	1.958e+04	192.66	-0.04	-24.65	0.0	-149.02	468.58	102.84	-15.69	-1.009e+04	-2.605e+04
		-2.605e+04	-1.009e+04	-0.03	0.0	50.0	-149.02	456.25	102.84	-15.69	-4949.10	-2928.19
						100.0	-149.02	443.93	102.84	-15.69	192.66	1.958e+04
48	96	1.165e+04	686.46	-0.03	-24.65	0.0	-121.38	260.57	119.76	-10.00	-1.129e+04	-1.317e+04
		-1.317e+04	-1.129e+04	6.13e-03	0.0	50.0	-121.38	248.25	119.76	-10.00	-5301.41	-449.63
						100.0	-121.38	235.93	119.76	-10.00	686.46	1.165e+04
48	97	1.600e+04	602.37	-0.03	-24.65	0.0	-135.70	356.42	127.63	-12.91	-1.216e+04	-1.841e+04
		-1.841e+04	-1.216e+04	-0.01	0.0	50.0	-135.70	344.10	127.63	-12.91	-5779.03	-901.74
						100.0	-135.70	331.77	127.63	-12.91	602.37	1.600e+04
48	98	1.099e+04	-231.42	-0.02	-24.65	0.0	-73.27	290.37	29.42	-9.73	-3173.67	-1.682e+04
		-1.682e+04	-3173.67	-0.02	0.0	50.0	-73.27	278.05	29.42	-9.73	-1702.55	-2607.12
						100.0	-73.27	265.72	29.42	-9.73	-231.42	1.099e+04
48	99	1.011e+04	-157.26	-0.02	-24.65	0.0	-105.87	298.21	35.62	-9.70	-3719.28	-1.848e+04
		-1.848e+04	-3719.28	-0.03	0.0	50.0	-105.87	285.88	35.62	-9.70	-1938.27	-3877.37
						100.0	-105.87	273.56	35.62	-9.70	-157.26	1.011e+04
48	100	1.272e+04	-265.06	-0.03	-24.65	0.0	-78.99	328.71	32.57	-10.90	-3522.13	-1.892e+04
		-1.892e+04	-3522.13	-0.02	0.0	50.0	-78.99	316.39	32.57	-10.90	-1893.59	-2787.96
						100.0	-78.99	304.06	32.57	-10.90	-265.06	1.272e+04
48	102	1.220e+04	-220.56	-0.03	-24.65	0.0	-98.55	333.41	36.29	-10.87	-3849.49	-1.991e+04
		-1.991e+04	-3849.49	-0.03	0.0	50.0	-98.55	321.09	36.29	-10.87	-2035.03	-3550.11
						100.0	-98.55	308.76	36.29	-10.87	-220.56	1.220e+04
48	104	1.084e+04	-24.11	-0.02	-24.65	0.0	-93.32	286.92	49.47	-9.77	-4971.39	-1.662e+04
		-1.662e+04	-4971.39	-0.02	0.0	50.0	-93.32	274.60	49.47	-9.77	-2497.75	-2582.10
						100.0	-93.32	262.27	49.47	-9.77	-24.11	1.084e+04
48	105	1.099e+04	-231.42	-0.02	-24.65	0.0	-73.27	290.37	29.42	-9.73	-3173.67	-1.682e+04
		-1.682e+04	-3173.67	-0.02	0.0	50.0	-73.27	278.05	29.42	-9.73	-1702.55	-2607.12
						100.0	-73.27	265.72	29.42	-9.73	-231.42	1.099e+04
48	106	1.046e+04	-186.93	-0.02	-24.65	0.0	-92.83	295.07	33.14	-9.71	-3501.03	-1.781e+04
		-1.781e+04	-3501.03	-0.03	0.0	50.0	-92.83	282.75	33.14	-9.71	-1843.98	-3369.27
						100.0	-92.83	270.42	33.14	-9.71	-186.93	1.046e+04
49	4	8795.20	1.214e+04	-0.04	-502.43	0.0	-7.43	229.53	-58.24	9.65	1.214e+04	-1.266e+04
		-2.155e+04	-1.174e+04	0.52	0.0	205.0	-7.43	-21.68	-58.24	9.65	197.29	8641.99
						410.0	-7.43	-272.89	-58.24	9.65	-1.174e+04	-2.155e+04
49	9	1.167e+04	1.088e+04	-0.06	-625.43	0.0	39.02	297.20	-51.72	8.63	1.088e+04	-1.720e+04
		-2.356e+04	-1.033e+04	0.52	0.0	205.0	39.02	-15.52	-51.72	8.63	273.81	1.167e+04
						410.0	39.02	-328.23	-51.72	8.63	-1.033e+04	-2.356e+04
49	11	1.130e+04	1.220e+04	-0.05	-625.43	0.0	-6.48	292.00	-58.27	9.91	1.220e+04	-1.654e+04
		-2.503e+04	-1.169e+04	0.53	0.0	205.0	-6.48	-20.72	-58.27	9.91	252.06	1.127e+04
						410.0	-6.48	-333.43	-58.27	9.91	-1.169e+04	-2.503e+04
49	18	8740.07	1.632e+04	-0.04	-502.43	0.0	110.01	226.56	-78.43	11.84	1.632e+04	-1.219e+04
		-2.229e+04	-1.583e+04	0.81	0.0	205.0	110.01	-24.65	-78.43	11.84	244.69	8510.68
						410.0	110.01	-275.87	-78.43	11.84	-1.583e+04	-2.229e+04
49	19	4718.51	1.369e+04	-0.02	-277.36	0.0	188.82	122.03	-65.90	8.94	1.369e+04	-6288.10
		-1.311e+04	-1.332e+04	0.77	0.0	205.0	188.82	-16.65	-65.90	8.94	185.57	4514.04
						410.0	188.82	-155.33	-65.90	8.94	-1.332e+04	-1.311e+04
49	35	4757.22	3.678e+04	0.01	-285.56	0.0	123.80	118.50	-179.50	20.53	3.678e+04	-5291.32
		-1.525e+04	-3.683e+04	0.66	0.0	205.0	123.80	-24.28	-179.50	20.53	-26.60	4363.35
						410.0	123.80	-167.06	-179.50	20.53	-3.683e+04	-1.525e+04
49	44	5764.97	1.138e+04	-0.04	-285.56	0.0	320.85	145.52	54.55	35.01	-1.101e+04	-9433.37
		-9433.37	-1.101e+04	1.12	0.0	205.0	320.85	2.74	54.55	35.01	187.10	5764.97
						410.0	320.85	-140.04	54.55	35.01	1.138e+04	-8306.67
49	45	4982.35	1.551e+04	-0.02	-285.56	0.0	-457.11	129.40	-75.64	-29.94	1.551e+04	-7022.41
		-1.251e+04	-1.553e+04	-1.04	0.0	205.0	-457.11	-13.38	-75.64	-29.94	-11.57	4867.95
						410.0	-457.11	-156.16	-75.64	-29.94	-1.553e+04	-1.251e+04
49	51	4726.96	3.424e+04	0.02	-285.56	0.0	-263.77	118.26	-167.08	-12.21	3.424e+04	-5279.54
		-1.534e+04	-3.429e+04	-0.37	0.0	205.0	-263.77	-24.52	-167.08	-12.21	-22.58	4327.08
						410.0	-263.77	-167.30	-167.08	-12.21	-3.429e+04	-1.534e+04
49	54	6433.05	3.014e+04	-0.04	-285.56	0.0	127.50	156.66	145.99	17.28	-2.974e+04	-1.118e+04
		-1.118e+04	-2.974e+04	0.45	0.0	205.0	127.50	13.88	145.99	17.28	198.11	6305.84
						410.0	127.50	-128.90	145.99	17.28	3.014e+04	-5482.07
49	67	5002.86	1.888e+04	-0.02	-285.56	0.0	14.22	128.43	-91.92	10.46	1.888e+04	-6828.49
		-1.271e+04	-1.881e+04	0.31	0.0	205.0	14.22	-14.35	-91.92	10.46	33.37	4863.68
						410.0	14.22	-157.13	-91.92	10.46	-1.881e+04	-1.271e+04
49	76	5541.29	4293.33	-0.03	-285.56	0.0	110.39	141.47	20.33	16.82	-4055.24	-8826.50
		-9360.91	-4055.24	0.50	0.0	205.0	110.39	-1.31	20.33	16.82	119.05	5541.29
						410.0	110.39	-144.09	20.33	16.82	4293.33	-9360.91
49	77	5102.22	8554.04	-0.02	-285.56	0.0	-246.66	133.45	-41.42	-11.75	8554.04	-7629.28
		-1.146e+04	-8441.07	-0.42	0.0	205.0	-246.66	-9.33	-41.42	-11.75	56.49	5091.63
						410.0	-246.66	-152.11	-41.42	-11.75	-8441.07	-1.146e+04
49	83	4982.57	1.767e+04	-0.02	-285.56	0.0	-160.83	128.16	-85.97	-4.05	1.767e+04	-6800.45
		-1.280e+04	-1.759e+04	-0.13	0.0	205.0	-160.83	-14.62	-85.97	-4.05	37.58	4836.48
						410.0	-160.83	-157.40	-85.97	-4.05	-1.759e+04	-1.280e+04
49	86	5796.44	1.344e+04	-0.03	-285.56	0.0	24.57	146.76	64.88	9.12	-1.317e+04	-9655.34
		-9655.34	-1.317e+04	0.21	0.0	205.0	24.57	3.98	64.88	9.12	137.95	5796.44
						410.0	24.57	-138.80	64.88	9.12	1.344e+04	-8021.78
49	90	6466.15	8301.44	-0.03	-367.56	0.0	-12.90	168.94	-39.80	6.66	8301.44	-9415.80
		-1.550e+04	-8018.13	0.35	0.0	205.0	-12.90	-14.84	-39.80	6.66	141.65	6380.32

49	91	8399.88	7462.04	-0.04	-449.56	410.0	-12.90	-198.62	-39.80	6.66	-8018.13	-1.550e+04
		-1.684e+04	-7076.71	0.35	0.0	0.0	18.06	214.05	-35.46	5.99	7462.04	-1.244e+04
						205.0	18.06	-10.73	-35.46	5.99	192.67	8399.88
49	93	8135.21	8342.91	-0.04	-449.56	410.0	18.06	-235.51	-35.46	5.99	-7076.71	-1.684e+04
		-1.782e+04	-7986.57	0.36	0.0	0.0	-12.27	210.59	-39.83	6.83	8342.91	-1.200e+04
						205.0	-12.27	-14.19	-39.83	6.83	178.17	8131.47
49	94	5016.82	9792.20	-0.02	-285.56	410.0	-12.27	-238.97	-39.83	6.83	-7986.57	-1.782e+04
		-1.227e+04	-9477.30	0.53	0.0	0.0	108.10	130.28	-47.00	6.74	9792.20	-7146.54
						205.0	108.10	-12.50	-47.00	6.74	157.45	4925.07
49	97	6429.40	1.109e+04	-0.03	-367.56	410.0	108.10	-155.28	-47.00	6.74	-9477.30	-1.227e+04
		-1.599e+04	-1.075e+04	0.54	0.0	0.0	65.40	166.96	-53.26	8.13	1.109e+04	-9097.08
						205.0	65.40	-16.82	-53.26	8.13	173.25	6292.78
49	99	5239.77	2501.08	-0.03	-285.56	410.0	65.40	-200.60	-53.26	8.13	-1.075e+04	-1.599e+04
		-1.069e+04	-2333.83	0.04	0.0	0.0	-76.80	136.47	-11.79	2.78	2501.08	-8101.43
						205.0	-76.80	-6.31	-11.79	2.78	83.62	5239.77
49	100	6085.94	2039.48	-0.03	-318.36	410.0	-76.80	-149.09	-11.79	2.78	-2333.83	-1.069e+04
		-1.109e+04	-1827.28	0.04	0.0	0.0	-60.08	155.01	-9.43	2.39	2039.48	-9374.84
						205.0	-60.08	-4.17	-9.43	2.39	106.10	6085.94
49	102	5970.91	2417.00	-0.03	-318.36	410.0	-60.08	-163.35	-9.43	2.39	-1827.28	-1.109e+04
		-1.151e+04	-2217.22	0.04	0.0	0.0	-73.08	153.52	-11.30	2.75	2417.00	-9185.15
						205.0	-73.08	-5.66	-11.30	2.75	99.89	5970.91
49	103	5330.21	3455.95	-0.03	-285.56	410.0	-73.08	-164.84	-11.30	2.75	-2217.22	-1.151e+04
		-1.045e+04	-3242.60	0.13	0.0	0.0	-22.49	137.21	-16.34	3.09	3455.95	-8163.37
						205.0	-22.49	-5.57	-16.34	3.09	106.67	5330.21
49	104	5215.17	3833.46	-0.03	-285.56	410.0	-22.49	-148.35	-16.34	3.09	-3242.60	-1.045e+04
		-1.087e+04	-3632.55	0.14	0.0	0.0	-35.49	135.73	-18.21	3.45	3833.46	-7973.68
						205.0	-35.49	-7.05	-18.21	3.45	100.46	5215.17
49	105	5431.49	1871.89	-0.03	-285.56	410.0	-35.49	-149.83	-18.21	3.45	-3632.55	-1.087e+04
		-9989.42	-1683.93	0.04	0.0	0.0	-55.13	138.95	-8.67	2.17	1871.89	-8417.58
						205.0	-55.13	-3.83	-8.67	2.17	93.98	5431.49
49	106	5316.46	2249.40	-0.03	-285.56	410.0	-55.13	-146.61	-8.67	2.17	-1683.93	-9989.42
		-1.041e+04	-2073.87	0.04	0.0	0.0	-68.13	137.46	-10.54	2.54	2249.40	-8227.89
						205.0	-68.13	-5.32	-10.54	2.54	87.77	5316.46
50	7	1.040e+04	1.150e+04	-0.04	-465.41	410.0	-68.13	-148.10	-10.54	2.54	-2073.87	-1.041e+04
		-3.201e+04	-1.138e+04	0.50	0.0	0.0	600.14	154.98	-55.81	-0.11	1.150e+04	-136.18
						205.0	600.14	-77.73	-55.81	-0.11	61.70	7781.45
50	9	2.471e+04	1.126e+04	-0.11	-1152.42	410.0	600.14	-310.44	-55.81	-0.11	-1.138e+04	-3.201e+04
		-7.540e+04	-1.096e+04	0.52	0.0	0.0	1459.39	401.61	-54.21	1.46	1.126e+04	-3815.72
						205.0	1459.39	-174.60	-54.21	1.46	150.26	1.945e+04
50	11	2.476e+04	1.263e+04	-0.11	-1152.42	410.0	1459.39	-750.80	-54.21	1.46	-1.096e+04	-7.540e+04
		-7.545e+04	-1.235e+04	0.53	0.0	0.0	1413.39	401.25	-60.91	0.22	1.263e+04	-3713.92
						205.0	1413.39	-174.96	-60.91	0.22	138.28	1.948e+04
50	18	1.948e+04	1.734e+04	-0.08	-898.22	410.0	1413.39	-751.17	-60.91	0.22	-1.235e+04	-7.545e+04
		-5.991e+04	-1.708e+04	0.81	0.0	0.0	1167.20	307.78	-83.97	1.63	1.734e+04	-1969.08
						205.0	1167.20	-141.32	-83.97	1.63	131.11	1.509e+04
50	35	1.765e+04	4.284e+04	-0.05	-482.36	410.0	1167.20	-590.43	-83.97	1.63	-1.708e+04	-5.991e+04
		-5.077e+04	-4.305e+04	0.68	0.0	0.0	1112.79	81.00	-209.47	9.16	4.284e+04	1.490e+04
						205.0	1112.79	-160.18	-209.47	9.16	-106.58	6788.89
50	38	9405.38	3.904e+04	-0.05	-482.36	410.0	1112.79	-401.36	-209.47	9.16	-4.305e+04	-5.077e+04
		-1.613e+04	-3.862e+04	-0.60	0.0	0.0	115.49	245.14	189.40	-10.77	-3.862e+04	-1.613e+04
						205.0	115.49	3.96	189.40	-10.77	205.57	9405.38
50	67	1.336e+04	2.173e+04	-0.05	-482.36	410.0	115.49	-237.22	189.40	-10.77	3.904e+04	-1.450e+04
		-4.141e+04	-2.178e+04	0.32	0.0	0.0	854.14	123.35	-106.11	3.61	2.173e+04	6898.02
						205.0	854.14	-117.83	-106.11	3.61	-26.11	7464.31
50	70	9327.48	1.777e+04	-0.04	-482.36	410.0	854.14	-359.01	-106.11	3.61	-2.178e+04	-4.141e+04
		-2.386e+04	-1.751e+04	-0.24	0.0	0.0	374.13	202.79	86.04	-5.22	-1.751e+04	-8120.83
						205.0	374.13	-38.39	86.04	-5.22	125.11	8729.97
50	89	1.070e+04	8276.25	-0.04	-482.36	410.0	374.13	-279.57	86.04	-5.22	1.777e+04	-2.386e+04
		-3.291e+04	-8156.02	0.34	0.0	0.0	621.50	161.80	-40.08	-0.24	8276.25	-370.44
						205.0	621.50	-79.38	-40.08	-0.24	60.11	8078.38
50	91	1.764e+04	7702.62	-0.08	-821.29	410.0	621.50	-320.56	-40.08	-0.24	-8156.02	-3.291e+04
		-5.391e+04	-7490.84	0.35	0.0	0.0	1044.25	285.40	-37.06	0.93	7702.62	-2563.05
						205.0	1044.25	-125.25	-37.06	0.93	105.89	1.385e+04
50	93	1.767e+04	8610.65	-0.08	-821.29	410.0	1044.25	-535.89	-37.06	0.93	-7490.84	-5.391e+04
		-5.394e+04	-8414.84	0.36	0.0	0.0	1013.59	285.16	-41.53	0.10	8610.65	-2495.18
						205.0	1013.59	-125.49	-41.53	0.10	97.90	1.387e+04
50	97	1.417e+04	1.176e+04	-0.06	-651.83	410.0	1013.59	-536.13	-41.53	0.10	-8414.84	-5.394e+04
		-4.359e+04	-1.157e+04	0.54	0.0	0.0	849.46	222.85	-56.90	1.04	1.176e+04	-1331.96
						205.0	849.46	-103.06	-56.90	1.04	93.12	1.095e+04
50	99	1.064e+04	2365.85	-0.04	-482.36	410.0	849.46	-428.98	-56.90	1.04	-1.157e+04	-4.359e+04
		-3.265e+04	-2271.41	0.04	0.0	0.0	605.38	163.00	-11.31	-1.04	2365.85	-592.02
						205.0	605.38	-78.18	-11.31	-1.04	47.22	8102.45
50	100	1.199e+04	1861.97	-0.05	-550.15	410.0	605.38	-319.36	-11.31	-1.04	-2271.41	-3.265e+04
		-3.683e+04	-1742.38	0.04	0.0	0.0	703.07	187.82	-8.79	-0.45	1861.97	-1059.62
						205.0	703.07	-87.25	-8.79	-0.45	9249.41	
50	102	1.201e+04	2251.12	-0.05	-550.15	410.0	703.07	-362.32	-8.79	-0.45	-1742.38	-3.683e+04
						0.0	689.93	187.72	-10.71	-0.81	2251.12	-1030.54

		-3.684e+04	-2138.38	0.05	0.0	205.0	689.93	-87.35	-10.71	-0.81	56.37	9257.38
						410.0	689.93	-362.43	-10.71	-0.81	-2138.38	-3.684e+04
50	104	1.064e+04	3860.35	-0.04	-482.36	0.0	626.81	162.73	-18.56	-0.34	3860.35	-553.71
		-3.272e+04	-3748.95	0.14	0.0	205.0	626.81	-78.45	-18.56	-0.34	55.70	8084.68
						410.0	626.81	-319.63	-18.56	-0.34	-3748.95	-3.272e+04
50	105	1.061e+04	1717.26	-0.05	-482.36	0.0	627.28	163.17	-8.12	-0.45	1717.26	-640.49
		-3.262e+04	-1611.41	0.04	0.0	205.0	627.28	-78.01	-8.12	-0.45	52.92	8089.17
						410.0	627.28	-319.19	-8.12	-0.45	-1611.41	-3.262e+04
50	106	1.063e+04	2106.41	-0.04	-482.36	0.0	614.14	163.07	-10.03	-0.80	2106.41	-611.41
		-3.264e+04	-2007.41	0.04	0.0	205.0	614.14	-78.11	-10.03	-0.80	49.50	8097.14
						410.0	614.14	-319.29	-10.03	-0.80	-2007.41	-3.264e+04
51	9	4.133e+04	351.61	-0.10	-32.04	0.0	-89.02	677.59	167.79	-27.36	-1.643e+04	-2.482e+04
		-2.482e+04	-1.643e+04	-0.02	0.0	50.0	-89.02	661.57	167.79	-27.36	-8037.75	8655.01
						100.0	-89.02	645.55	167.79	-27.36	351.61	4.133e+04
51	11	4.097e+04	459.60	-0.10	-32.04	0.0	-82.72	687.52	178.19	-25.38	-1.736e+04	-2.618e+04
		-2.618e+04	-1.736e+04	-0.03	0.0	50.0	-82.72	671.49	178.19	-25.38	-8449.67	7798.63
						100.0	-82.72	655.47	178.19	-25.38	459.60	4.097e+04
51	18	3.605e+04	908.77	-0.09	-32.04	0.0	-12.74	458.18	210.67	-18.51	-2.016e+04	-8162.53
		-8162.53	-2.016e+04	-0.01	0.0	50.0	-12.74	442.15	210.67	-18.51	-9624.85	1.435e+04
						100.0	-12.74	426.13	210.67	-18.51	908.77	3.605e+04
51	21	2.227e+04	1000.13	-0.05	-24.65	0.0	41.82	170.12	177.45	-8.03	-1.675e+04	6494.81
		6494.81	-1.675e+04	0.01	0.0	50.0	41.82	157.80	177.45	-8.03	-7872.46	1.469e+04
						100.0	41.82	145.47	177.45	-8.03	1000.13	2.227e+04
51	31	4.312e+04	3018.00	-0.09	-24.65	0.0	308.36	-62.88	373.95	-24.41	-3.465e+04	4.312e+04
		3.561e+04	-3.465e+04	0.31	0.0	50.0	308.36	-75.20	373.95	-24.41	-1.582e+04	3.967e+04
						100.0	308.36	-87.52	373.95	-24.41	3018.00	3.561e+04
51	32	8.676e+04	1569.74	-0.11	-24.65	0.0	167.23	-349.14	254.47	-19.39	-2.387e+04	8.676e+04
		5.062e+04	-2.387e+04	0.46	0.0	50.0	167.23	-361.47	254.47	-19.39	-1.115e+04	6.900e+04
						100.0	167.23	-373.79	254.47	-19.39	1569.74	5.062e+04
51	33	-2.108e+04	1.470e+04	0.06	-24.65	0.0	-291.23	1011.59	-163.91	-5.17	1.470e+04	-1.210e+05
		-1.210e+05	-1686.10	-0.51	0.0	50.0	-291.23	999.27	-163.91	-5.17	6506.27	-7.073e+04
						100.0	-291.23	986.94	-163.91	-5.17	-1686.10	-2.108e+04
51	34	-6062.77	2.548e+04	0.03	-24.65	0.0	-432.37	725.33	-283.39	-0.14	2.548e+04	-7.736e+04
		-7.736e+04	-3134.36	-0.36	0.0	50.0	-432.37	713.00	-283.39	-0.14	1.117e+04	-4.140e+04
						100.0	-432.37	700.68	-283.39	-0.14	-3134.36	-6062.77
51	35	4.581e+04	3168.74	-0.09	-24.65	0.0	307.04	-80.67	383.14	-24.59	-3.543e+04	4.581e+04
		3.651e+04	-3.543e+04	0.33	0.0	50.0	307.04	-93.00	383.14	-24.59	-1.613e+04	4.147e+04
						100.0	307.04	-105.32	383.14	-24.59	3168.74	3.651e+04
51	38	-6966.18	2.626e+04	0.03	-24.65	0.0	-431.04	743.13	-292.57	0.03	2.626e+04	-8.004e+04
		-8.004e+04	-3285.10	-0.38	0.0	50.0	-431.04	730.80	-292.57	0.03	1.149e+04	-4.320e+04
						100.0	-431.04	718.48	-292.57	0.03	-3285.10	-6966.18
51	56	3.083e+04	-948.10	-0.07	-24.65	0.0	27.26	24.87	90.19	-15.20	-8874.97	2.957e+04
		2.957e+04	-8874.97	0.12	0.0	50.0	27.26	12.54	90.19	-15.20	-4911.53	3.051e+04
						100.0	27.26	0.22	90.19	-15.20	-948.10	3.083e+04
51	57	-1286.20	831.74	0.02	-24.65	0.0	-151.26	637.58	0.37	-9.36	-297.70	-6.381e+04
		-6.381e+04	-297.70	-0.17	0.0	50.0	-151.26	625.26	0.37	-9.36	267.02	-3.224e+04
						100.0	-151.26	612.93	0.37	-9.36	831.74	-1286.20
51	63	2.416e+04	1431.08	-0.06	-24.65	0.0	108.12	154.02	203.12	-18.15	-1.902e+04	9983.00
		9983.00	-1.902e+04	0.13	0.0	50.0	108.12	141.70	203.12	-18.15	-8791.97	1.738e+04
						100.0	108.12	129.37	203.12	-18.15	1431.08	2.416e+04
51	66	5388.10	9842.35	-0.01	-24.65	0.0	-232.12	508.43	-112.56	-6.41	9842.35	-4.422e+04
		-4.422e+04	-1547.45	-0.18	0.0	50.0	-232.12	496.11	-112.56	-6.41	4147.45	-1.911e+04
						100.0	-232.12	483.78	-112.56	-6.41	-1547.45	5388.10
51	67	2.456e+04	1504.42	-0.06	-24.65	0.0	107.54	146.08	207.52	-18.25	-1.939e+04	1.118e+04
		1.118e+04	-1.939e+04	0.14	0.0	50.0	107.54	133.76	207.52	-18.25	-8941.23	1.818e+04
						100.0	107.54	121.43	207.52	-18.25	1504.42	2.456e+04
51	70	4986.56	1.021e+04	-0.01	-24.65	0.0	-231.55	516.37	-116.95	-6.31	1.021e+04	-4.542e+04
		-4.542e+04	-1620.78	-0.19	0.0	50.0	-231.55	504.05	-116.95	-6.31	4296.72	-1.991e+04
						100.0	-231.55	491.72	-116.95	-6.31	-1620.78	4986.56
51	91	2.918e+04	224.74	-0.07	-24.65	0.0	-66.42	487.88	116.63	-19.71	-1.144e+04	-1.838e+04
		-1.838e+04	-1.144e+04	-0.02	0.0	50.0	-66.42	475.55	116.63	-19.71	-5606.94	5709.98
						100.0	-66.42	463.23	116.63	-19.71	224.74	2.918e+04
51	93	2.894e+04	296.74	-0.07	-24.65	0.0	-62.22	494.50	123.57	-18.39	-1.206e+04	-1.928e+04
		-1.928e+04	-1.206e+04	-0.03	0.0	50.0	-62.22	482.17	123.57	-18.39	-5881.55	5139.05
						100.0	-62.22	469.85	123.57	-18.39	296.74	2.894e+04
51	96	2.017e+04	634.87	-0.05	-24.65	0.0	5.18	230.51	133.27	-9.88	-1.269e+04	-1651.69
		-1651.69	-1.269e+04	7.76e-03	0.0	50.0	5.18	218.19	133.27	-9.88	-6028.66	9565.68
						100.0	5.18	205.86	133.27	-9.88	634.87	2.017e+04
51	97	2.566e+04	596.18	-0.06	-24.65	0.0	-15.57	341.60	145.22	-13.81	-1.393e+04	-7268.30
		-7268.30	-1.393e+04	-9.99e-03	0.0	50.0	-15.57	329.28	145.22	-13.81	-6665.01	9503.77
						100.0	-15.57	316.95	145.22	-13.81	596.18	2.566e+04
51	100	1.707e+04	-104.51	-0.04	-24.65	0.0	-72.10	372.83	47.09	-14.41	-4813.70	-1.898e+04
		-1.898e+04	-4813.70	-0.02	0.0	50.0	-72.10	360.50	47.09	-14.41	-2459.10	-645.19
						100.0	-72.10	348.18	47.09	-14.41	-104.51	1.707e+04
51	102	1.697e+04	-73.65	-0.04	-24.65	0.0	-70.30	375.66	50.06	-13.85	-5079.93	-1.936e+04
		-1.936e+04	-5079.93	-0.03	0.0	50.0	-70.30	363.34	50.06	-13.85	-2576.79	-889.87
						100.0	-70.30	351.01	50.06	-13.85	-73.65	1.697e+04

51	104	1.588e+04	72.20	-0.04	-24.65	0.0	-49.05	310.33	62.09	-11.95	-6136.51	-1.392e+04
		-1.392e+04	-6136.51	-0.02	0.0	50.0	-49.05	298.00	62.09	-11.95	-3032.15	1286.30
						100.0	-49.05	285.68	62.09	-11.95	72.20	1.588e+04
51	105	1.487e+04	-89.03	-0.03	-24.65	0.0	-63.80	328.39	42.31	-12.84	-4320.10	-1.673e+04
		-1.673e+04	-4320.10	-0.02	0.0	50.0	-63.80	316.07	42.31	-12.84	-2204.57	-620.43
						100.0	-63.80	303.74	42.31	-12.84	-89.03	1.487e+04
51	106	1.477e+04	-58.18	-0.03	-24.65	0.0	-62.00	331.23	45.28	-12.28	-4586.33	-1.712e+04
		-1.712e+04	-4586.33	-0.02	0.0	50.0	-62.00	318.90	45.28	-12.28	-2322.26	-865.11
						100.0	-62.00	306.58	45.28	-12.28	-58.18	1.477e+04
53	9	9797.98	6101.99	-0.03	-427.12	0.0	143.78	288.62	-50.51	13.47	6101.99	-1.750e+04
		-1.750e+04	-8041.97	0.19	0.0	140.0	143.78	75.06	-50.51	13.47	-969.99	7959.41
						280.0	143.78	-138.50	-50.51	13.47	-8041.97	3518.96
53	14	9829.02	4707.91	-0.03	-357.42	0.0	141.47	247.43	-41.05	11.23	4707.91	-1.415e+04
		-1.415e+04	-6787.26	0.14	0.0	140.0	141.47	68.72	-41.05	11.23	-1039.67	7980.18
						280.0	141.47	-109.98	-41.05	11.23	-6787.26	5091.91
53	15	1.287e+04	3457.87	-0.04	-259.12	0.0	255.35	222.68	-34.30	12.23	3457.87	-1.391e+04
		-1.391e+04	-6146.74	0.23	0.0	140.0	255.35	93.12	-34.30	12.23	-1344.44	8196.89
						280.0	255.35	-36.45	-34.30	12.23	-6146.74	1.216e+04
53	18	1.381e+04	4330.73	-0.05	-343.12	0.0	249.87	269.24	-41.71	13.46	4330.73	-1.573e+04
		-1.573e+04	-7348.44	0.21	0.0	140.0	249.87	97.67	-41.71	13.46	-1508.85	9950.75
						280.0	249.87	-73.89	-41.71	13.46	-7348.44	1.162e+04
53	35	1.542e+04	6506.98	-0.05	-195.02	0.0	151.27	195.98	-42.96	21.05	6506.98	-1.216e+04
		-1.216e+04	-1.025e+04	0.35	0.0	140.0	151.27	98.47	-42.96	21.05	-1871.05	8453.43
						280.0	151.27	0.96	-42.96	21.05	-1.025e+04	1.542e+04
53	38	965.02	4534.71	0.04	-195.02	0.0	-159.08	20.03	4.64	-12.17	-1492.96	691.72
		-2.101e+04	-1492.96	-0.32	0.0	140.0	-159.08	-77.47	4.64	-12.17	1520.88	-3334.28
						280.0	-159.08	-174.98	4.64	-12.17	4534.71	-2.101e+04
53	44	447.93	1.297e+04	0.01	-195.02	0.0	324.33	69.32	-84.49	35.12	1.297e+04	-2.988.33
		-1.089e+04	-1.135e+04	1.00	0.0	140.0	324.33	-28.19	-84.49	35.12	814.33	-113.05
						280.0	324.33	-125.70	-84.49	35.12	-1.135e+04	-1.089e+04
53	45	6970.51	5631.79	-0.03	-195.02	0.0	-332.14	146.69	46.17	-26.24	-7960.79	-8482.82
		-8482.82	-7960.79	-0.96	0.0	140.0	-332.14	49.19	46.17	-26.24	-1164.50	5232.20
						280.0	-332.14	-48.32	46.17	-26.24	5631.79	5296.02
53	67	7276.97	4214.58	-0.03	-195.02	0.0	61.10	149.46	-28.79	11.63	4214.58	-8756.45
		-8756.45	-6146.24	0.14	0.0	140.0	61.10	51.95	-28.79	11.63	-965.83	5345.30
						280.0	61.10	-45.55	-28.79	11.63	-6146.24	5795.84
53	70	440.40	799.44	0.01	-195.02	0.0	-68.91	66.55	-9.52	-2.74	799.44	-2714.69
		-1.139e+04	431.87	-0.11	0.0	140.0	-68.91	-30.96	-9.52	-2.74	615.66	-226.14
						280.0	-68.91	-128.47	-9.52	-2.74	431.87	-1.139e+04
53	76	1265.59	7280.74	4.96e-03	-195.02	0.0	148.10	88.71	-48.80	18.17	7280.74	-4373.85
		-6841.31	-6725.47	0.42	0.0	140.0	148.10	-8.80	-48.80	18.17	277.63	1218.02
						280.0	148.10	-106.31	-48.80	18.17	-6725.47	-6841.31
53	77	4517.74	1011.10	-0.02	-195.02	0.0	-155.91	127.30	10.48	-9.29	-2266.71	-7097.30
		-7097.30	-2266.71	-0.38	0.0	140.0	-155.91	29.79	10.48	-9.29	-627.81	3901.13
						280.0	-155.91	-67.71	10.48	-9.29	1011.10	1248.35
53	91	6747.88	4364.20	-0.02	-307.02	0.0	94.77	204.71	-35.91	9.51	4364.20	-1.234e+04
		-1.234e+04	-5689.54	0.13	0.0	140.0	94.77	51.20	-35.91	9.51	-662.67	5570.85
						280.0	94.77	-102.31	-35.91	9.51	-5689.54	1993.60
53	93	7241.73	4070.98	-0.02	-307.02	0.0	93.78	203.34	-34.38	9.11	4070.98	-1.158e+04
		-1.158e+04	-5556.56	0.11	0.0	140.0	93.78	49.83	-34.38	9.11	-742.79	6136.82
						280.0	93.78	-103.68	-34.38	9.11	-5556.56	2367.23
53	94	8596.18	2601.45	-0.03	-195.02	0.0	169.15	160.75	-25.10	8.69	2601.45	-9949.65
		-9949.65	-4426.06	0.16	0.0	140.0	169.15	63.24	-25.10	8.69	-912.30	5729.17
						280.0	169.15	-34.27	-25.10	8.69	-4426.06	7756.78
53	97	9341.36	3183.36	-0.03	-251.02	0.0	165.49	191.78	-30.04	9.51	3183.36	-1.117e+04
		-1.117e+04	-5227.19	0.15	0.0	140.0	165.49	66.28	-30.04	9.51	-1021.91	6898.41
						280.0	165.49	-59.23	-30.04	9.51	-5227.19	7391.50
53	100	2664.31	2982.73	-6.14e-03	-217.42	0.0	-4.55	121.56	-22.39	5.11	2982.73	-6850.38
		-6850.38	-3287.83	0.03	0.0	140.0	-4.55	12.85	-22.39	5.11	-152.55	2558.33
						280.0	-4.55	-95.86	-22.39	5.11	-3287.83	-3252.17
53	102	2896.57	2857.06	-7.37e-03	-217.42	0.0	-4.97	120.97	-21.74	4.93	2857.06	-6525.39
		-6525.39	-3230.83	0.02	0.0	140.0	-4.97	12.26	-21.74	4.93	-186.88	2800.88
						280.0	-4.97	-96.45	-21.74	4.93	-3230.83	-3092.04
53	103	3325.90	2626.43	-9.90e-03	-195.02	0.0	31.05	119.02	-20.87	5.43	2626.43	-6838.38
		-6838.38	-3216.55	0.05	0.0	140.0	31.05	21.52	-20.87	5.43	-295.06	2999.45
						280.0	31.05	-75.99	-20.87	5.43	-3216.55	-813.93
53	104	3547.86	2500.77	-0.01	-195.02	0.0	30.62	118.44	-20.22	5.26	2500.77	-6513.39
		-6513.39	-3159.56	0.04	0.0	140.0	30.62	20.93	-20.22	5.26	-329.40	3242.01
						280.0	30.62	-76.58	-20.22	5.26	-3159.56	-653.80
53	105	2404.36	2632.68	-5.65e-03	-195.02	0.0	-3.48	108.59	-19.81	4.62	2632.68	-6060.56
		-6060.56	-2914.18	0.03	0.0	140.0	-3.48	11.09	-19.81	4.62	-140.75	2317.02
						280.0	-3.48	-86.42	-19.81	4.62	-2914.18	-2956.61
53	106	2636.62	2507.01	-6.88e-03	-195.02	0.0	-3.90	108.01	-19.16	4.44	2507.01	-5735.57
		-5735.57	-2857.18	0.02	0.0	140.0	-3.90	10.50	-19.16	4.44	-175.09	2559.58
						280.0	-3.90	-87.01	-19.16	4.44	-2857.18	-2796.48
54	7	2.443e+04	1656.77	-0.09	-31.22	0.0	-171.88	514.75	39.23	6.46	-3311.85	-3.880e+04
		-3.880e+04	-3311.85	0.01	0.0	63.3	-171.88	499.14	39.23	6.46	-827.54	-6689.66

						126.7	-171.88	483.52	39.23	6.46	1656.77	2.443e+04
54	9	5.840e+04	2351.37	-0.23	-40.59	0.0	-830.01	1369.36	44.38	15.41	-3269.67	-1.125e+05
		-1.125e+05	-3269.67	0.02	0.0	63.3	-830.01	1349.06	44.38	15.41	-459.15	-2.640e+04
						126.7	-830.01	1328.77	44.38	15.41	2351.37	5.840e+04
54	11	5.912e+04	2533.64	-0.23	-40.59	0.0	-749.74	1359.32	47.02	15.29	-3421.69	-1.105e+05
		-1.105e+05	-3421.69	0.01	0.0	63.3	-749.74	1339.02	47.02	15.29	-444.02	-2.504e+04
						126.7	-749.74	1318.73	47.02	15.29	2533.64	5.912e+04
54	18	4.671e+04	2615.17	-0.18	-40.59	0.0	-518.11	1032.84	62.45	12.21	-5295.18	-8.155e+04
		-8.155e+04	-5295.18	0.04	0.0	63.3	-518.11	1012.55	62.45	12.21	-1340.00	-1.677e+04
						126.7	-518.11	992.26	62.45	12.21	2615.17	4.671e+04
54	23	3.844e+04	-1515.31	-0.12	-31.22	0.0	247.26	313.12	211.25	12.18	-1.968e+04	749.17
		749.17	-1.968e+04	0.08	0.0	63.3	247.26	297.51	211.25	12.18	-1.060e+04	2.009e+04
						126.7	247.26	281.90	211.25	12.18	-1515.31	3.844e+04
54	26	8380.07	1.918e+04	-0.06	-31.22	0.0	-849.14	817.90	-193.93	1.23	1.918e+04	-9.324e+04
		-9.324e+04	3210.43	-0.10	0.0	63.3	-849.14	802.29	-193.93	1.23	1.119e+04	-4.194e+04
						126.7	-849.14	786.68	-193.93	1.23	3210.43	8380.07
54	27	3.847e+04	-1460.67	-0.12	-31.22	0.0	242.08	312.52	209.91	12.28	-1.926e+04	860.66
		860.66	-1.926e+04	0.11	0.0	63.3	242.08	296.91	209.91	12.28	-1.036e+04	2.016e+04
						126.7	242.08	281.29	209.91	12.28	-1460.67	3.847e+04
54	30	8345.49	1.876e+04	-0.06	-31.22	0.0	-843.96	818.51	-192.58	1.13	1.876e+04	-9.335e+04
		-9.335e+04	3155.79	-0.13	0.0	63.3	-843.96	802.90	-192.58	1.13	1.096e+04	-4.201e+04
						126.7	-843.96	787.29	-192.58	1.13	3155.79	8345.49
54	31	3.442e+04	-4653.68	-0.11	-31.22	0.0	125.54	381.06	297.44	12.82	-2.788e+04	-1.187e+04
		-1.187e+04	-2.788e+04	0.22	0.0	63.3	125.54	365.45	297.44	12.82	-1.627e+04	1.177e+04
						126.7	125.54	349.84	297.44	12.82	-4653.68	3.442e+04
54	34	1.239e+04	2.738e+04	-0.07	-31.22	0.0	-727.43	749.96	-280.11	0.59	2.738e+04	-8.062e+04
		-8.062e+04	6348.80	-0.24	0.0	63.3	-727.43	734.35	-280.11	0.59	1.686e+04	-3.362e+04
						126.7	-727.43	718.74	-280.11	0.59	6348.80	1.239e+04
54	55	3.064e+04	-305.62	-0.11	-31.22	0.0	-35.65	444.14	105.13	9.36	-9551.54	-2.364e+04
		-2.364e+04	-9551.54	0.03	0.0	63.3	-35.65	428.53	105.13	9.36	-4928.58	3991.88
						126.7	-35.65	412.91	105.13	9.36	-305.62	3.064e+04
54	58	1.618e+04	9051.88	-0.08	-31.22	0.0	-566.24	686.89	-87.80	4.05	9051.88	-6.885e+04
		-6.885e+04	2000.74	-0.05	0.0	63.3	-566.24	671.28	-87.80	4.05	5526.31	-2.584e+04
						126.7	-566.24	655.67	-87.80	4.05	2000.74	1.618e+04
54	59	3.065e+04	-244.98	-0.11	-31.22	0.0	-38.24	443.90	105.26	9.40	-9401.64	-2.360e+04
		-2.360e+04	-9401.64	0.05	0.0	63.3	-38.24	428.29	105.26	9.40	-4823.31	4020.16
						126.7	-38.24	412.68	105.26	9.40	-244.98	3.065e+04
54	62	1.616e+04	8901.99	-0.08	-31.22	0.0	-563.64	687.12	-87.93	4.01	8901.99	-6.889e+04
		-6.889e+04	1940.10	-0.06	0.0	63.3	-563.64	671.51	-87.93	4.01	5421.04	-2.587e+04
						126.7	-563.64	655.90	-87.93	4.01	1940.10	1.616e+04
54	63	2.866e+04	-1783.90	-0.10	-31.22	0.0	-94.60	477.64	146.73	9.66	-1.351e+04	-2.987e+04
		-2.987e+04	-1.351e+04	0.10	0.0	63.3	-94.60	462.03	146.73	9.66	-7646.50	-108.84
						126.7	-94.60	446.42	146.73	9.66	-1783.90	2.866e+04
54	66	1.816e+04	1.301e+04	-0.08	-31.22	0.0	-507.28	653.38	-129.40	3.75	1.301e+04	-6.263e+04
		-6.263e+04	3479.02	-0.12	0.0	63.3	-507.28	637.77	-129.40	3.75	8244.23	-2.174e+04
						126.7	-507.28	622.16	-129.40	3.75	3479.02	1.816e+04
54	89	2.461e+04	1385.31	-0.09	-31.22	0.0	-229.11	546.46	28.92	6.70	-2278.50	-4.263e+04
		-4.263e+04	-2278.50	6.86e-03	0.0	63.3	-229.11	530.85	28.92	6.70	-446.59	-8513.81
						126.7	-229.11	515.24	28.92	6.70	1385.31	2.461e+04
54	91	4.143e+04	1658.00	-0.16	-31.22	0.0	-589.96	974.85	30.50	11.02	-2205.49	-8.007e+04
		-8.007e+04	-2205.49	0.01	0.0	63.3	-589.96	959.24	30.50	11.02	-273.75	-1.883e+04
						126.7	-589.96	943.63	30.50	11.02	1658.00	4.143e+04
54	93	4.191e+04	1779.51	-0.16	-31.22	0.0	-536.45	968.16	32.26	10.94	-2306.84	-7.874e+04
		-7.874e+04	-2306.84	7.71e-03	0.0	63.3	-536.45	952.54	32.26	10.94	-263.66	-1.792e+04
						126.7	-536.45	936.93	32.26	10.94	1779.51	4.191e+04
54	97	3.364e+04	1833.87	-0.13	-31.22	0.0	-382.03	750.51	42.55	8.89	-3555.84	-5.945e+04
		-5.945e+04	-3555.84	0.02	0.0	63.3	-382.03	734.90	42.55	8.89	-860.98	-1.241e+04
						126.7	-382.03	719.29	42.55	8.89	1833.87	3.364e+04
54	99	2.355e+04	882.28	-0.09	-31.22	0.0	-285.65	563.60	9.17	6.68	-278.78	-4.587e+04
		-4.587e+04	-278.78	-0.01	0.0	63.3	-285.65	547.99	9.17	6.68	301.75	-1.067e+04
						126.7	-285.65	532.38	9.17	6.68	882.28	2.355e+04
54	100	2.670e+04	884.74	-0.10	-31.22	0.0	-380.76	652.15	8.73	7.58	-220.75	-5.393e+04
		-5.393e+04	-220.75	-7.10e-03	0.0	63.3	-380.76	636.53	8.73	7.58	331.99	-1.312e+04
						126.7	-380.76	620.92	8.73	7.58	884.74	2.670e+04
54	102	2.691e+04	936.81	-0.10	-31.22	0.0	-357.82	649.28	9.48	7.55	-264.18	-5.335e+04
		-5.335e+04	-264.18	-0.01	0.0	63.3	-357.82	633.67	9.48	7.55	336.32	-1.273e+04
						126.7	-357.82	618.05	9.48	7.55	936.81	2.691e+04
54	104	2.365e+04	986.31	-0.09	-31.22	0.0	-294.83	561.39	14.83	6.73	-892.27	-4.548e+04
		-4.548e+04	-892.27	-1.92e-03	0.0	63.3	-294.83	545.78	14.83	6.73	47.02	-1.042e+04
						126.7	-294.83	530.17	14.83	6.73	986.31	2.365e+04
54	105	2.320e+04	795.48	-0.09	-31.22	0.0	-323.88	568.38	7.91	6.74	-206.39	-4.682e+04
		-4.682e+04	-206.39	-6.68e-03	0.0	63.3	-323.88	552.77	7.91	6.74	294.54	-1.131e+04
						126.7	-323.88	537.16	7.91	6.74	795.48	2.320e+04
54	106	2.341e+04	847.56	-0.09	-31.22	0.0	-300.94	565.51	8.66	6.70	-249.83	-4.625e+04
		-4.625e+04	-249.83	-9.62e-03	0.0	63.3	-300.94	549.90	8.66	6.70	298.87	-1.092e+04
						126.7	-300.94	534.29	8.66	6.70	847.56	2.341e+04
68	3	2.858e+04	2943.20	0.33	-667.48	0.0	-1266.72	145.04	16.50	309.38	632.58	2.642e+04

		0.0	632.58	0.30	0.0	70.0	-1266.72	-188.70	16.50	309.38	1787.89	2.489e+04
						140.0	-1266.72	-522.44	16.50	309.38	2943.20	0.0
68	4	2.854e+04	2952.22	0.33	-667.48	0.0	-1267.56	145.40	16.56	309.84	633.62	2.637e+04
		0.0	633.62	0.30	0.0	70.0	-1267.56	-188.34	16.56	309.84	1792.92	2.486e+04
						140.0	-1267.56	-522.08	16.56	309.84	2952.22	0.0
68	19	1.083e+04	54.74	0.09	-119.81	0.0	-124.27	-17.47	-1.42	45.57	54.74	1.083e+04
		0.0	-143.38	0.07	0.0	70.0	-124.27	-77.37	-1.42	45.57	-44.32	7512.84
						140.0	-124.27	-137.28	-1.42	45.57	-143.38	0.0
68	28	3612.21	1.416e+04	0.07	-223.97	0.0	-551.46	116.38	108.37	-284.64	-742.00	-614.59
		-614.59	-742.00	-0.08	0.0	70.0	-551.46	4.39	108.37	-284.64	6710.84	3612.21
						140.0	-551.46	-107.60	108.37	-284.64	1.416e+04	0.0
68	29	1.589e+04	1188.03	0.14	-223.97	0.0	-340.16	-1.51	-95.58	494.54	1188.03	1.589e+04
		0.0	-1.193e+04	0.22	0.0	70.0	-340.16	-113.50	-95.58	494.54	-5369.78	1.186e+04
						140.0	-340.16	-225.49	-95.58	494.54	-1.193e+04	0.0
68	52	1684.73	8883.81	0.04	-223.97	0.0	-589.00	150.47	66.89	218.15	491.56	-5387.50
		-5387.50	491.56	0.61	0.0	70.0	-589.00	38.48	66.89	218.15	4687.68	1225.76
						140.0	-589.00	-73.50	66.89	218.15	8883.81	0.0
68	53	2.066e+04	-45.53	0.17	-223.97	0.0	-302.61	-35.61	-54.10	-8.24	-45.53	2.066e+04
		0.0	-6647.71	-0.42	0.0	70.0	-302.61	-147.59	-54.10	-8.24	-3346.62	1.425e+04
						140.0	-302.61	-259.58	-54.10	-8.24	-6647.71	0.0
68	60	5931.52	7399.88	0.09	-223.97	0.0	-496.85	86.19	55.51	-82.98	-242.15	3611.17
		0.0	-242.15	0.03	0.0	70.0	-496.85	-25.79	55.51	-82.98	3578.86	5725.10
						140.0	-496.85	-137.78	55.51	-82.98	7399.88	0.0
68	61	1.192e+04	688.18	0.12	-223.97	0.0	-394.76	28.67	-42.73	292.88	688.18	1.166e+04
		0.0	-5163.78	0.16	0.0	70.0	-394.76	-83.32	-42.73	292.88	-2237.80	9751.57
						140.0	-394.76	-195.30	-42.73	292.88	-5163.78	0.0
68	83	1.220e+04	486.50	0.13	-223.97	0.0	-405.92	26.38	1.50	-79.61	-226.28	1.199e+04
		0.0	-226.28	-0.21	0.0	70.0	-405.92	-85.61	1.50	-79.61	130.11	9912.19
						140.0	-405.92	-197.60	1.50	-79.61	486.50	0.0
68	84	4514.90	4873.75	0.07	-223.97	0.0	-515.83	103.65	35.68	158.04	350.36	1167.35
		0.0	350.36	0.33	0.0	70.0	-515.83	-8.34	35.68	158.04	2612.05	4503.18
						140.0	-515.83	-120.32	35.68	158.04	4873.75	0.0
68	85	1.414e+04	95.67	0.14	-223.97	0.0	-375.79	11.21	-22.90	51.86	95.67	1.411e+04
		0.0	-2637.65	-0.14	0.0	70.0	-375.79	-100.77	-22.90	51.86	-1270.99	1.097e+04
						140.0	-375.79	-212.76	-22.90	51.86	-2637.65	0.0
68	89	1.961e+04	2031.36	0.23	-459.17	0.0	-872.52	100.26	11.40	212.82	435.69	1.811e+04
		0.0	435.69	0.21	0.0	70.0	-872.52	-129.33	11.40	212.82	1233.53	1.709e+04
						140.0	-872.52	-358.92	11.40	212.82	2031.36	0.0
68	90	1.958e+04	2037.37	0.23	-459.17	0.0	-873.09	100.49	11.44	213.13	436.39	1.807e+04
		0.0	436.39	0.21	0.0	70.0	-873.09	-129.09	11.44	213.13	1236.88	1.707e+04
						140.0	-873.09	-358.68	11.44	213.13	2037.37	0.0
68	94	8730.11	115.99	0.08	-123.17	0.0	-168.49	-0.77	0.26	50.42	79.01	8730.11
		0.0	79.01	0.07	0.0	70.0	-168.49	-62.36	0.26	50.42	97.50	6520.57
						140.0	-168.49	-123.94	0.26	50.42	115.99	0.0
68	99	1.122e+04	1462.27	0.14	-291.17	0.0	-580.61	75.10	8.37	136.90	290.99	9867.89
		0.0	290.99	0.12	0.0	70.0	-580.61	-70.48	8.37	136.90	876.63	1.003e+04
						140.0	-580.61	-216.07	8.37	136.90	1462.27	0.0
68	103	5522.14	504.58	0.06	-123.17	0.0	-228.59	24.59	2.80	55.70	112.64	5179.85
		0.0	112.64	0.05	0.0	70.0	-228.59	-37.00	2.80	55.70	308.61	4745.44
						140.0	-228.59	-98.58	2.80	55.70	504.58	0.0
68	105	4835.85	601.73	0.06	-123.17	0.0	-243.61	30.93	3.43	57.02	121.05	4292.29
		0.0	121.05	0.05	0.0	70.0	-243.61	-30.66	3.43	57.02	361.39	4301.65
						140.0	-243.61	-92.25	3.43	57.02	601.73	0.0
68	106	8667.87	1118.05	0.10	-223.97	0.0	-445.81	57.43	6.39	104.95	223.01	7637.65
		0.0	223.01	0.09	0.0	70.0	-445.81	-54.55	6.39	104.95	670.53	7738.33
						140.0	-445.81	-166.54	6.39	104.95	1118.05	0.0
69	3	6.565e+04	699.54	-0.48	-1287.29	0.0	-1969.63	726.03	16.50	-80.78	-4592.93	0.0
		0.0	-4592.93	-0.12	0.0	160.3	-1557.22	82.38	16.50	-80.78	-1946.70	6.481e+04
						320.7	-1144.81	-561.26	16.50	-80.78	699.54	2.642e+04
69	4	6.562e+04	700.66	-0.48	-1287.29	0.0	-1970.54	725.87	16.56	-80.96	-4610.07	0.0
		0.0	-4610.07	-0.12	0.0	160.3	-1558.13	82.23	16.56	-80.96	-1954.71	6.478e+04
						320.7	-1145.72	-561.42	16.56	-80.96	700.66	2.637e+04
69	9	1.784e+04	143.25	-0.14	-315.29	0.0	-425.92	187.55	1.82	-7.88	-440.24	0.0
		0.0	-440.24	0.08	0.0	160.3	-324.91	29.91	1.82	-7.88	-148.49	1.743e+04
						320.7	-223.90	-127.74	1.82	-7.88	143.25	9590.53
69	19	1.545e+04	524.48	-0.12	-231.07	0.0	-243.27	149.31	-1.42	8.84	524.48	0.0
		0.0	70.68	0.19	0.0	160.3	-169.24	33.78	-1.42	8.84	297.58	1.468e+04
						320.7	-95.21	-81.75	-1.42	8.84	70.68	1.083e+04
69	35	1.912e+04	3563.92	-0.13	-431.95	0.0	-756.93	227.24	-14.38	222.35	3563.92	0.0
		0.0	-1133.66	0.54	0.0	160.3	-618.55	11.27	-14.38	222.35	1215.13	1.912e+04
						320.7	-480.17	-204.70	-14.38	222.35	-1133.66	3613.39
69	38	2.360e+04	1622.45	-0.18	-431.95	0.0	-609.30	252.34	27.17	-286.25	-7175.29	0.0
		0.0	-7175.29	-0.71	0.0	160.3	-470.91	36.37	27.17	-286.25	-2776.42	2.314e+04
						320.7	-332.53	-179.61	27.17	-286.25	1622.45	1.166e+04
69	52	1.469e+04	531.23	-0.08	-431.95	0.0	-857.85	199.17	13.09	-83.41	-3677.46	0.0
		-5387.50	-3677.46	-0.28	0.0	160.3	-719.46	-16.80	13.09	-83.41	-1573.11	1.462e+04
						320.7	-581.08	-232.77	13.09	-83.41	531.23	-5387.50

69	53	2.915e+04	66.08	-0.24	-431.95	0.0	-508.38	280.41	-0.30	19.52	66.08	0.0
		0.0	-42.44	0.11	0.0	160.3	-370.00	64.44	-0.30	19.52	11.82	2.765e+04
						320.7	-231.62	-151.54	-0.30	19.52	-42.44	2.066e+04
69	62	2.178e+04	921.48	-0.16	-431.95	0.0	-665.42	242.23	15.60	-158.41	-4102.77	0.0
		0.0	-4102.77	-0.41	0.0	160.3	-527.04	26.25	15.60	-158.41	-1590.64	2.152e+04
						320.7	-388.66	-189.72	15.60	-158.41	921.48	8418.72
69	67	2.026e+04	772.32	-0.14	-431.95	0.0	-718.33	233.82	-3.58	90.55	772.32	0.0
		0.0	-417.51	0.21	0.0	160.3	-579.95	17.85	-3.58	90.55	177.41	2.018e+04
						320.7	-441.57	-198.13	-3.58	90.55	-417.51	5722.71
69	70	2.242e+04	906.30	-0.17	-431.95	0.0	-647.89	245.76	16.37	-154.44	-4383.69	0.0
		0.0	-4383.69	-0.39	0.0	160.3	-509.51	29.79	16.37	-154.44	-1738.70	2.209e+04
						320.7	-371.13	-186.18	16.37	-154.44	906.30	9552.58
69	84	1.790e+04	380.12	-0.12	-431.95	0.0	-769.02	219.61	9.58	-56.71	-2698.41	0.0
		0.0	-2698.41	-0.18	0.0	160.3	-630.64	3.64	9.58	-56.71	-1159.14	1.790e+04
						320.7	-492.25	-212.33	9.58	-56.71	380.12	1167.35
69	85	2.505e+04	108.67	-0.20	-431.95	0.0	-597.21	259.97	3.21	-7.18	-912.96	0.0
		0.0	-912.96	0.02	0.0	160.3	-458.83	44.00	3.21	-7.18	-402.15	2.437e+04
						320.7	-320.44	-171.98	3.21	-7.18	108.67	1.411e+04
69	89	4.513e+04	481.67	-0.33	-885.55	0.0	-1356.15	499.24	11.40	-55.86	-3173.21	0.0
		0.0	-3173.21	-0.08	0.0	160.3	-1072.45	56.46	11.40	-55.86	-1345.77	4.455e+04
						320.7	-788.74	-386.31	11.40	-55.86	481.67	1.811e+04
69	90	4.511e+04	482.42	-0.33	-885.55	0.0	-1356.75	499.13	11.44	-55.98	-3184.63	0.0
		0.0	-3184.63	-0.09	0.0	160.3	-1073.05	56.36	11.44	-55.98	-1351.11	4.453e+04
						320.7	-789.35	-386.41	11.44	-55.98	482.42	1.807e+04
69	91	1.325e+04	110.81	-0.10	-237.55	0.0	-327.01	140.25	1.61	-7.26	-404.75	0.0
		0.0	-404.75	0.04	0.0	160.3	-250.90	21.48	1.61	-7.26	-146.97	1.297e+04
						320.7	-174.80	-97.29	1.61	-7.26	110.81	6888.14
69	94	1.438e+04	93.73	-0.11	-237.55	0.0	-293.65	146.00	0.26	-0.17	9.04	0.0
		0.0	9.04	0.11	0.0	160.3	-217.55	27.22	0.26	-0.17	51.38	1.389e+04
						320.7	-141.45	-91.55	0.26	-0.17	93.73	8730.11
69	99	2.771e+04	318.87	-0.20	-561.55	0.0	-889.19	311.55	8.37	-41.71	-2363.95	0.0
		0.0	-2363.95	-0.11	0.0	160.3	-709.28	30.77	8.37	-41.71	-1022.54	2.744e+04
						320.7	-529.38	-250.00	8.37	-41.71	318.87	9867.89
69	100	1.178e+04	132.99	-0.09	-237.55	0.0	-374.25	132.12	3.45	-17.34	-972.86	0.0
		0.0	-972.86	-0.05	0.0	160.3	-298.15	13.34	3.45	-17.34	-419.94	1.166e+04
						320.7	-222.05	-105.43	3.45	-17.34	132.99	4278.92
69	103	1.229e+04	124.90	-0.09	-237.55	0.0	-357.94	134.93	2.80	-13.87	-772.83	0.0
		0.0	-772.83	-0.02	0.0	160.3	-281.83	16.15	2.80	-13.87	-323.97	1.211e+04
						320.7	-205.73	-102.62	2.80	-13.87	124.90	5179.85
69	105	1.179e+04	132.69	-0.09	-237.55	0.0	-374.01	132.16	3.43	-17.29	-968.29	0.0
		0.0	-968.29	-0.05	0.0	160.3	-297.91	13.39	3.43	-17.29	-417.80	1.167e+04
						320.7	-221.80	-105.39	3.43	-17.29	132.69	4292.29
69	106	2.134e+04	244.40	-0.16	-431.95	0.0	-683.11	239.79	6.39	-31.95	-1805.69	0.0
		0.0	-1805.69	-0.09	0.0	160.3	-544.73	23.82	6.39	-31.95	-780.65	2.113e+04
						320.7	-406.35	-192.16	6.39	-31.95	244.40	7637.65
70	3	7.851e+04	3621.01	0.59	-612.88	0.0	-342.36	-254.31	23.19	194.92	374.87	7.851e+04
		0.0	374.87	0.16	0.0	70.0	-342.36	-560.75	23.19	194.92	1997.94	4.998e+04
						140.0	-342.36	-867.19	23.19	194.92	3621.01	0.0
70	4	7.848e+04	3624.30	0.59	-612.88	0.0	-342.71	-254.16	23.21	195.20	374.95	7.848e+04
		0.0	374.95	0.16	0.0	70.0	-342.71	-560.60	23.21	195.20	1999.62	4.997e+04
						140.0	-342.71	-867.05	23.21	195.20	3624.30	0.0
70	9	1.814e+04	410.35	0.13	-108.88	0.0	-70.10	-75.13	2.91	3.42	3.13	1.814e+04
		0.0	3.13	0.05	0.0	70.0	-70.10	-129.57	2.91	3.42	206.74	1.098e+04
						140.0	-70.10	-184.01	2.91	3.42	410.35	0.0
70	19	1.397e+04	-102.58	0.10	-77.81	0.0	-38.36	-60.89	-0.97	-51.76	-102.58	1.397e+04
		0.0	-238.28	0.06	0.0	70.0	-38.36	-99.79	-0.97	-51.76	-170.43	8347.33
						140.0	-38.36	-138.70	-0.97	-51.76	-238.28	0.0
70	28	2.756e+04	1.364e+04	0.13	-181.97	0.0	-84.59	-105.84	104.88	-322.31	-808.17	2.756e+04
		0.0	-808.17	-0.08	0.0	70.0	-84.59	-196.83	104.88	-322.31	6418.27	1.696e+04
						140.0	-84.59	-287.81	104.88	-322.31	1.364e+04	0.0
70	29	2.272e+04	1130.11	0.25	-181.97	0.0	-148.97	-71.30	-87.52	490.21	1130.11	2.272e+04
		0.0	-1.089e+04	0.13	0.0	70.0	-148.97	-162.29	-87.52	490.21	-4880.85	1.454e+04
						140.0	-148.97	-253.28	-87.52	490.21	-1.089e+04	0.0
70	39	3.719e+04	1070.45	0.25	-181.97	0.0	56.75	-174.69	6.51	-289.53	-702.81	3.719e+04
		0.0	-702.81	-0.59	0.0	70.0	56.75	-265.67	6.51	-289.53	183.82	2.178e+04
						140.0	56.75	-356.66	6.51	-289.53	1070.45	0.0
70	44	1.230e+04	7948.78	0.10	-181.97	0.0	-301.88	3.10	59.86	177.74	362.79	1.230e+04
		0.0	362.79	0.57	0.0	70.0	-301.88	-87.88	59.86	177.74	4155.79	9336.23
						140.0	-301.88	-178.87	59.86	177.74	7948.78	0.0
70	45	3.797e+04	-40.85	0.28	-181.97	0.0	68.31	-180.25	-42.50	-9.84	-40.85	3.797e+04
		0.0	-5195.87	-0.48	0.0	70.0	68.31	-271.24	-42.50	-9.84	-2618.36	2.217e+04
						140.0	68.31	-362.22	-42.50	-9.84	-5195.87	0.0
70	60	2.627e+04	7276.15	0.16	-181.97	0.0	-102.03	-96.66	54.96	-111.70	-305.74	2.627e+04
		0.0	-305.74	-0.03	0.0	70.0	-102.03	-187.64	54.96	-111.70	3485.21	1.632e+04
						140.0	-102.03	-278.63	54.96	-111.70	7276.15	0.0
70	61	2.401e+04	627.68	0.22	-181.97	0.0	-131.53	-80.49	-37.59	279.59	627.68	2.401e+04
		0.0	-4523.24	0.08	0.0	70.0	-131.53	-171.48	-37.59	279.59	-1947.78	1.519e+04

					140.0	-131.53	-262.46	-37.59	279.59	-4523.24	0.0	
70	71	3.096e+04	1256.83	0.22	-181.97	0.0	-33.70	-130.15	7.78	-95.55	-254.00	3.096e+04
		0.0	-254.00	-0.25	0.0	70.0	-33.70	-221.14	7.78	-95.55	501.41	1.866e+04
						140.0	-33.70	-312.12	7.78	-95.55	1256.83	0.0
70	76	1.896e+04	4510.88	0.15	-181.97	0.0	-205.23	-44.42	33.16	128.77	257.18	1.896e+04
		0.0	257.18	0.28	0.0	70.0	-205.23	-135.41	33.16	128.77	2384.03	1.266e+04
						140.0	-205.23	-226.39	33.16	128.77	4510.88	0.0
70	77	3.132e+04	64.77	0.23	-181.97	0.0	-28.33	-132.72	-15.80	39.12	64.77	3.132e+04
		0.0	-1757.97	-0.19	0.0	70.0	-28.33	-223.71	-15.80	39.12	-846.60	1.884e+04
						140.0	-28.33	-314.70	-15.80	39.12	-1757.97	0.0
70	89	5.381e+04	2497.73	0.40	-417.17	0.0	-235.34	-175.77	15.98	135.16	259.83	5.381e+04
		0.0	259.83	0.11	0.0	70.0	-235.34	-384.36	15.98	135.16	1378.78	3.421e+04
						140.0	-235.34	-592.95	15.98	135.16	2497.73	0.0
70	90	5.380e+04	2499.92	0.40	-417.17	0.0	-235.58	-175.68	16.00	135.35	259.88	5.380e+04
		0.0	259.88	0.11	0.0	70.0	-235.58	-384.26	16.00	135.35	1379.90	3.420e+04
						140.0	-235.58	-592.85	16.00	135.35	2499.92	0.0
70	91	1.357e+04	357.28	0.10	-81.17	0.0	-53.83	-56.32	2.47	7.50	12.01	1.357e+04
		0.0	12.01	0.04	0.0	70.0	-53.83	-96.91	2.47	7.50	184.65	8203.99
						140.0	-53.83	-137.49	2.47	7.50	357.28	0.0
70	94	1.394e+04	99.50	0.10	-81.17	0.0	-47.49	-59.00	0.98	-18.47	-37.89	1.394e+04
		0.0	-37.89	0.05	0.0	70.0	-47.49	-99.58	0.98	-18.47	30.80	8391.23
						140.0	-47.49	-140.17	0.98	-18.47	99.50	0.0
70	99	3.318e+04	1805.42	0.25	-249.17	0.0	-153.18	-112.42	11.39	109.55	210.56	3.318e+04
		0.0	210.56	0.06	0.0	70.0	-153.18	-237.01	11.39	109.55	1007.99	2.095e+04
						140.0	-153.18	-361.60	11.39	109.55	1805.42	0.0
70	100	1.307e+04	733.88	0.10	-81.17	0.0	-62.28	-52.76	4.62	45.61	86.61	1.307e+04
		0.0	86.61	0.02	0.0	70.0	-62.28	-93.34	4.62	45.61	410.25	7954.49
						140.0	-62.28	-133.93	4.62	45.61	733.88	0.0
70	103	1.325e+04	606.31	0.10	-81.17	0.0	-59.25	-54.04	3.89	32.74	61.70	1.325e+04
		0.0	61.70	0.03	0.0	70.0	-59.25	-94.62	3.89	32.74	334.00	8044.02
						140.0	-59.25	-135.21	3.89	32.74	606.31	0.0
70	105	1.307e+04	733.01	0.10	-81.17	0.0	-62.19	-52.80	4.62	45.54	86.59	1.307e+04
		0.0	86.59	0.02	0.0	70.0	-62.19	-93.38	4.62	45.54	409.80	7957.21
						140.0	-62.19	-133.97	4.62	45.54	733.01	0.0
70	106	2.514e+04	1376.46	0.19	-181.97	0.0	-116.78	-88.57	8.68	83.95	160.97	2.514e+04
		0.0	160.97	0.05	0.0	70.0	-116.78	-179.56	8.68	83.95	768.71	1.575e+04
						140.0	-116.78	-270.54	8.68	83.95	1376.46	0.0
71	3	9.832e+04	420.79	-0.81	-1287.29	0.0	-975.89	888.46	23.19	-38.12	-7014.49	0.0
		0.0	-7014.49	0.19	0.0	160.3	-563.48	244.82	23.19	-38.12	-3296.85	9.085e+04
						320.7	-151.07	-398.83	23.19	-38.12	420.79	7.851e+04
71	4	9.830e+04	421.01	-0.82	-1287.29	0.0	-976.26	888.40	23.21	-37.93	-7021.62	0.0
		0.0	-7021.62	0.19	0.0	160.3	-563.85	244.75	23.21	-37.93	-3300.30	9.084e+04
						320.7	-151.44	-398.89	23.21	-37.93	421.01	7.848e+04
71	5	1.721e+04	-30.69	-0.15	-231.07	0.0	-156.94	157.48	1.21	3.80	-419.41	0.0
		0.0	-419.41	0.11	0.0	160.3	-82.91	41.94	1.21	3.80	-225.05	1.599e+04
						320.7	-8.88	-73.59	1.21	3.80	-30.69	1.345e+04
71	19	1.756e+04	196.52	-0.16	-231.07	0.0	-147.51	159.10	-0.97	11.76	196.52	0.0
		0.0	-114.30	0.20	0.0	160.3	-73.48	43.57	-0.97	11.76	41.11	1.625e+04
						320.7	0.55	-71.96	-0.97	11.76	-114.30	1.397e+04
71	31	2.944e+04	2964.28	-0.26	-431.95	0.0	-405.91	281.89	-12.33	204.75	2964.28	0.0
		0.0	-1116.30	0.53	0.0	160.3	-267.52	65.92	-12.33	204.75	923.99	2.788e+04
						320.7	-129.14	-150.05	-12.33	204.75	-1116.30	2.114e+04
71	34	3.491e+04	1477.95	-0.28	-431.95	0.0	-248.71	306.84	29.70	-237.07	-8170.74	0.0
		0.0	-8170.74	-0.60	0.0	160.3	-110.33	90.86	29.70	-237.07	-3346.40	3.188e+04
						320.7	28.06	-125.11	29.70	-237.07	1477.95	2.914e+04
71	36	2.607e+04	867.54	-0.24	-431.95	0.0	-478.95	265.09	-4.81	146.01	867.54	0.0
		0.0	-752.51	0.33	0.0	160.3	-340.57	49.11	-4.81	146.01	57.52	2.519e+04
						320.7	-202.19	-166.86	-4.81	146.01	-752.51	1.575e+04
71	44	2.396e+04	401.27	-0.22	-431.95	0.0	-500.49	254.34	16.08	-46.68	-4800.47	0.0
		0.0	-4800.47	-0.20	0.0	160.3	-362.11	38.37	16.08	-46.68	-2199.60	2.347e+04
						320.7	-223.73	-177.61	16.08	-46.68	401.27	1.230e+04
71	45	4.147e+04	-39.61	-0.31	-431.95	0.0	-154.12	334.39	1.29	14.36	-405.99	0.0
		0.0	-405.99	0.13	0.0	160.3	-15.74	118.42	1.29	14.36	-222.80	3.630e+04
						320.7	122.64	-97.56	1.29	14.36	-39.61	3.797e+04
71	62	2.995e+04	868.13	-0.25	-431.95	0.0	-377.94	284.34	18.62	-134.42	-5140.60	0.0
		0.0	-5140.60	-0.33	0.0	160.3	-239.56	68.37	18.62	-134.42	-2136.23	2.828e+04
						320.7	-101.18	-147.61	18.62	-134.42	868.13	2.192e+04
71	66	3.342e+04	805.10	-0.27	-431.95	0.0	-290.46	300.06	18.76	-122.50	-5268.14	0.0
		0.0	-5268.14	-0.30	0.0	160.3	-152.08	84.08	18.76	-122.50	-2231.52	3.080e+04
						320.7	-13.70	-131.89	18.76	-122.50	805.10	2.696e+04
71	68	2.918e+04	-268.54	-0.25	-431.95	0.0	-397.52	280.59	2.20	61.95	-935.71	0.0
		0.0	-935.71	0.14	0.0	160.3	-259.13	64.62	2.20	61.95	-602.12	2.767e+04
						320.7	-120.75	-151.35	2.20	61.95	-268.54	2.072e+04
71	76	2.808e+04	285.96	-0.24	-431.95	0.0	-406.43	275.09	12.13	-30.64	-3625.93	0.0
		0.0	-3625.93	-0.12	0.0	160.3	-268.05	59.12	12.13	-30.64	-1669.98	2.679e+04
						320.7	-129.66	-156.86	12.13	-30.64	285.96	1.896e+04
71	77	3.648e+04	75.69	-0.29	-431.95	0.0	-248.19	313.64	5.23	-1.68	-1580.53	0.0

		0.0	-1580.53	0.06	0.0	160.3	-109.81	97.67	5.23	-1.68	-752.42	3.297e+04
						320.7	28.58	-118.30	5.23	-1.68	75.69	3.132e+04
71	87	1.753e+04	13.87	-0.15	-237.55	0.0	-166.65	161.17	2.44	-0.42	-767.19	0.0
		0.0	-767.19	0.07	0.0	160.3	-90.55	42.39	2.44	-0.42	-376.66	1.632e+04
						320.7	-14.45	-76.38	2.44	-0.42	13.87	1.359e+04
71	89	6.750e+04	291.69	-0.56	-885.55	0.0	-670.73	610.58	15.98	-26.37	-4834.20	0.0
		0.0	-4834.20	0.13	0.0	160.3	-387.03	167.81	15.98	-26.37	-2271.25	6.240e+04
						320.7	-103.33	-274.97	15.98	-26.37	291.69	5.381e+04
71	90	6.749e+04	291.84	-0.56	-885.55	0.0	-670.98	610.54	16.00	-26.24	-4838.95	0.0
		0.0	-4838.95	0.13	0.0	160.3	-387.28	167.76	16.00	-26.24	-2273.56	6.239e+04
						320.7	-103.58	-275.01	16.00	-26.24	291.84	5.380e+04
71	94	1.777e+04	-41.87	-0.16	-237.55	0.0	-160.37	162.25	0.98	4.89	-356.57	0.0
		0.0	-356.57	0.13	0.0	160.3	-84.26	43.48	0.98	4.89	-199.22	1.649e+04
						320.7	-8.16	-75.30	0.98	4.89	-41.87	1.394e+04
71	98	1.717e+04	97.48	-0.14	-237.55	0.0	-176.08	159.54	4.62	-8.37	-1383.13	0.0
		0.0	-1383.13	0.03	0.0	160.3	-99.98	40.77	4.62	-8.37	-642.83	1.606e+04
						320.7	-23.88	-78.00	4.62	-8.37	97.48	1.307e+04
71	99	4.216e+04	236.39	-0.35	-561.55	0.0	-428.12	384.25	11.39	-21.35	-3416.63	0.0
		0.0	-3416.63	0.07	0.0	160.3	-248.22	103.48	11.39	-21.35	-1590.12	3.910e+04
						320.7	-68.32	-177.30	11.39	-21.35	236.39	3.318e+04
71	103	1.729e+04	69.61	-0.15	-237.55	0.0	-172.94	160.08	3.89	-5.72	-1177.82	0.0
		0.0	-1177.82	0.03	0.0	160.3	-96.84	41.31	3.89	-5.72	-554.11	1.615e+04
						320.7	-20.74	-77.46	3.89	-5.72	69.61	1.325e+04
71	105	1.717e+04	97.48	-0.14	-237.55	0.0	-176.08	159.54	4.62	-8.37	-1383.13	0.0
		0.0	-1383.13	0.03	0.0	160.3	-99.98	40.77	4.62	-8.37	-642.83	1.606e+04
						320.7	-23.88	-78.00	4.62	-8.37	97.48	1.307e+04
71	106	3.216e+04	180.83	-0.27	-431.95	0.0	-327.31	294.37	8.68	-16.16	-2603.23	0.0
		0.0	-2603.23	0.05	0.0	160.3	-188.93	78.39	8.68	-16.16	-1211.20	2.988e+04
						320.7	-50.54	-137.58	8.68	-16.16	180.83	2.514e+04
72	3	3.051e+04	-321.87	0.36	-667.48	0.0	1144.84	128.09	-7.51	159.05	-321.87	2.879e+04
		0.0	-1373.74	-0.08	0.0	70.0	1144.84	-205.65	-7.51	159.05	-847.80	2.608e+04
						140.0	1144.84	-539.39	-7.51	159.05	-1373.74	0.0
72	4	3.017e+04	-323.47	0.36	-667.48	0.0	1151.25	131.07	-7.54	159.52	-323.47	2.837e+04
		0.0	-1378.93	-0.08	0.0	70.0	1151.25	-202.67	-7.54	159.52	-851.20	2.587e+04
						140.0	1151.25	-536.41	-7.54	159.52	-1378.93	0.0
72	5	3970.12	-131.05	0.05	-119.81	0.0	236.38	37.38	-3.05	73.83	-131.05	3153.83
		0.0	-558.56	8.81e-03	0.0	70.0	236.38	-22.53	-3.05	73.83	-344.80	3673.63
						140.0	236.38	-82.43	-3.05	73.83	-558.56	0.0
72	9	4956.88	-152.00	0.07	-163.48	0.0	332.81	55.79	-3.60	82.08	-152.00	3633.81
		0.0	-656.31	3.03e-03	0.0	70.0	332.81	-25.96	-3.60	82.08	-404.15	4677.87
						140.0	332.81	-107.70	-3.60	82.08	-656.31	0.0
72	18	2.252e+04	-326.66	0.27	-516.28	0.0	905.89	108.57	-7.53	171.84	-326.66	2.094e+04
		0.0	-1381.29	-0.04	0.0	70.0	905.89	-149.57	-7.53	171.84	-853.97	1.951e+04
						140.0	905.89	-407.72	-7.53	171.84	-1381.29	0.0
72	28	0.0	1.196e+04	-0.05	-223.97	0.0	895.05	280.24	92.75	348.91	-778.22	-2.355e+04
		-2.355e+04	-778.22	-0.32	0.0	70.0	895.05	168.25	92.75	348.91	5588.58	-7857.94
						140.0	895.05	56.26	92.75	348.91	1.196e+04	0.0
72	29	4.027e+04	609.42	0.28	-223.97	0.0	-86.76	-175.65	-97.00	-276.09	609.42	4.027e+04
		0.0	-1.272e+04	0.25	0.0	70.0	-86.76	-287.63	-97.00	-276.09	-6054.36	2.405e+04
						140.0	-86.76	-399.62	-97.00	-276.09	-1.272e+04	0.0
72	44	0.0	7574.30	-0.16	-223.97	0.0	1260.62	448.18	58.60	-60.22	104.98	-4.707e+04
		-4.707e+04	104.98	-0.13	0.0	70.0	1260.62	336.19	58.60	-60.22	3839.64	-1.961e+04
						140.0	1260.62	224.21	58.60	-60.22	7574.30	0.0
72	45	6.378e+04	-273.78	0.39	-223.97	0.0	-452.33	-343.59	-62.85	133.03	-273.78	6.378e+04
		0.0	-8337.06	0.08	0.0	70.0	-452.33	-455.58	-62.85	133.03	-4305.42	3.581e+04
						140.0	-452.33	-567.56	-62.85	133.03	-8337.06	0.0
72	60	1490.77	5542.24	0.04	-223.97	0.0	625.23	154.90	43.44	186.90	-418.49	-6008.19
		-6008.19	-418.49	-0.17	0.0	70.0	625.23	42.92	43.44	186.90	2561.88	915.41
						140.0	625.23	-69.07	43.44	186.90	5542.24	0.0
72	61	2.272e+04	249.69	0.19	-223.97	0.0	183.05	-50.31	-47.69	-114.09	249.69	2.272e+04
		0.0	-6305.00	0.11	0.0	70.0	183.05	-162.30	-47.69	-114.09	-3027.65	1.528e+04
						140.0	183.05	-274.28	-47.69	-114.09	-6305.00	0.0
72	76	0.0	3412.77	-6.64e-03	-223.97	0.0	778.17	225.13	26.88	-10.27	7.15	-1.584e+04
		-1.584e+04	7.15	-0.09	0.0	70.0	778.17	113.14	26.88	-10.27	1709.96	-4000.32
						140.0	778.17	1.15	26.88	-10.27	3412.77	0.0
72	77	3.255e+04	-175.95	0.24	-223.97	0.0	30.11	-120.54	-31.12	83.08	-175.95	3.255e+04
		0.0	-4175.53	0.03	0.0	70.0	30.11	-232.52	-31.12	83.08	-2175.74	2.020e+04
						140.0	30.11	-344.51	-31.12	83.08	-4175.53	0.0
72	87	4159.60	-104.89	0.06	-123.17	0.0	241.27	37.62	-2.51	56.51	-104.89	3355.93
		0.0	-456.52	-1.97e-03	0.0	70.0	241.27	-23.97	-2.51	56.51	-280.71	3833.48
						140.0	241.27	-85.56	-2.51	56.51	-456.52	0.0
72	89	2.080e+04	-220.28	0.25	-459.17	0.0	791.16	89.80	-5.15	108.45	-220.28	1.957e+04
		0.0	-941.73	-0.05	0.0	70.0	791.16	-139.79	-5.15	108.45	-581.00	1.782e+04
						140.0	791.16	-369.38	-5.15	108.45	-941.73	0.0
72	90	2.057e+04	-221.36	0.25	-459.17	0.0	795.43	91.79	-5.17	108.77	-221.36	1.929e+04
		0.0	-945.19	-0.05	0.0	70.0	795.43	-137.80	-5.17	108.77	-583.27	1.768e+04
						140.0	795.43	-367.39	-5.17	108.77	-945.19	0.0

72	91	3776.67 0.0	-107.04 -463.44	0.05 -4.00e-03	-123.17 0.0	0.0 70.0	249.81 249.81	41.59 -19.99	-2.55 -2.55	57.14 57.14	-107.04 -285.24	2798.94 3554.98
						140.0	249.81	-81.58	-2.55	57.14	-463.44	0.0
72	97	1.547e+04 0.0	-223.48 -946.76	0.19 -0.03	-358.37 0.0	0.0 70.0	631.86 631.86	76.78 -102.40	-5.17 -5.17	116.98 116.98	-223.48 -585.12	1.434e+04 1.344e+04
						140.0	631.86	-281.59	-5.17	116.98	-946.76	0.0
72	98	4253.41 0.0	-49.78 -235.82	0.06 -0.02	-123.17 0.0	0.0 70.0	239.17 239.17	36.64 -24.95	-1.33 -1.33	20.82 20.82	-49.78 -142.80	3492.39 3901.71
						140.0	239.17	-86.53	-1.33	20.82	-235.82	0.0
72	99	1.253e+04 0.0	-107.48 -478.42	0.15 -0.05	-291.17 0.0	0.0 70.0	514.12 514.12	62.73 -82.85	-2.65 -2.65	46.79 46.79	-107.48 -292.95	1.160e+04 1.090e+04
						140.0	514.12	-228.44	-2.65	46.79	-478.42	0.0
72	100	4176.83 0.0	-50.21 -237.20	0.06 -0.02	-123.17 0.0	0.0 70.0	240.88 240.88	37.44 -24.15	-1.34 -1.34	20.95 20.95	-50.21 -143.71	3380.99 3846.01
						140.0	240.88	-85.74	-1.34	20.95	-237.20	0.0
72	105	4253.41 0.0	-49.78 -235.82	0.06 -0.02	-123.17 0.0	0.0 70.0	239.17 239.17	36.64 -24.95	-1.33 -1.33	20.82 20.82	-49.78 -142.80	3492.39 3901.71
						140.0	239.17	-86.53	-1.33	20.82	-235.82	0.0
72	106	9207.20 0.0	-84.40 -381.38	0.12 -0.04	-223.97 0.0	0.0 70.0	404.14 404.14	52.29 -59.69	-2.12 -2.12	36.41 36.41	-84.40 -232.89	8356.76 8097.89
						140.0	404.14	-171.68	-2.12	36.41	-381.38	0.0
76	3	6.858e+04 0.0	2130.26 -354.62	-0.53 0.23	-1287.29 0.0	0.0 165.4	1919.24 1463.92	730.70 87.05	-7.51 -7.51	-56.04 -56.04	2130.26 887.82	0.0 6.761e+04
						330.7	1008.60	-556.59	-7.51	-56.04	-354.62	2.879e+04
76	4	6.835e+04 0.0	2137.14 -356.20	-0.53 0.23	-1287.29 0.0	0.0 165.4	1926.19 1470.87	729.44 85.79	-7.54 -7.54	-56.58 -56.58	2137.14 890.47	0.0 6.740e+04
						330.7	1015.55	-557.85	-7.54	-56.58	-356.20	2.837e+04
76	5	1.118e+04 0.0	860.29 -149.62	-0.08 0.11	-231.07 0.0	0.0 165.4	378.02 296.29	125.07 9.54	-3.05 -3.05	-15.41 -15.41	860.29 355.34	0.0 1.113e+04
						330.7	214.56	-106.00	-3.05	-15.41	-149.62	3153.83
76	18	5.230e+04 0.0	2125.48 -365.92	-0.40 0.25	-995.69 0.0	0.0 165.4	1506.61 1154.43	561.16 63.32	-7.53 -7.53	-48.37 -48.37	2125.48 879.78	0.0 5.163e+04
						330.7	802.25	-434.53	-7.53	-48.37	-365.92	2.094e+04
76	31	1.047e+04 -1.672e+04	5667.63 -1117.96	0.03 -0.11	-431.95 0.0	0.0 165.4	1068.01 915.23	165.43 -50.54	-19.97 -19.97	-203.20 -203.20	5667.63 2274.84	0.0 9498.85
						330.7	762.45	-266.52	-19.97	-203.20	-1117.96	-1.672e+04
76	34	3.847e+04 0.0	938.10 -4444.35	-0.34 0.12	-431.95 0.0	0.0 165.4	263.38 110.60	317.05 101.08	15.73 15.73	165.16 165.16	-4444.35 -1753.12	0.0 3.457e+04
						330.7	-42.18	-114.89	15.73	165.16	938.10	3.343e+04
76	44	2056.58 -4.707e+04	120.26 -1635.50	0.22 0.04	-431.95 0.0	0.0 165.4	1562.02 1409.24	73.66 -142.31	4.95 4.95	12.82 12.82	-1635.50 -757.62	0.0 -5676.46
						330.7	1256.46	-358.29	4.95	12.82	120.26	-4.707e+04
76	45	6.398e+04 0.0	2858.78 -300.12	-0.54 0.11	-431.95 0.0	0.0 165.4	-230.63 -383.41	408.82 192.85	-9.20 -9.20	-50.86 -50.86	2858.78 1279.33	0.0 4.975e+04
						330.7	-536.19	-23.12	-9.20	-50.86	-300.12	6.378e+04
76	63	1.628e+04 -3154.76	2988.15 -584.70	-0.09 0.06	-431.95 0.0	0.0 165.4	850.07 697.29	206.43 -9.54	-10.57 -10.57	-107.72 -107.72	2988.15 1201.73	0.0 1.628e+04
						330.7	544.51	-225.51	-10.57	-107.72	-584.70	-3154.76
76	66	2.916e+04 0.0	404.85 -1764.87	-0.25 0.06	-431.95 0.0	0.0 165.4	481.32 328.54	276.05 60.07	6.33 6.33	69.67 69.67	-1764.87 -680.01	0.0 2.779e+04
						330.7	175.76	-155.90	6.33	69.67	404.85	1.987e+04
76	76	1.080e+04 -1.584e+04	11.67 -378.51	-0.03 0.03	-431.95 0.0	0.0 165.4	1056.53 903.75	168.08 -47.89	1.03 1.03	-3.61 -3.61	-378.51 -183.42	0.0 9937.24
						330.7	750.96	-263.87	1.03	-3.61	11.67	-1.584e+04
76	77	3.781e+04 0.0	1601.80 -191.52	-0.33 0.08	-431.95 0.0	0.0 165.4	274.87 122.09	314.40 98.43	-5.27 -5.27	-34.44 -34.44	1601.80 705.14	0.0 3.413e+04
						330.7	-30.69	-117.54	-5.27	-34.44	-191.52	3.255e+04
76	87	1.155e+04 0.0	712.39 -118.27	-0.08 0.08	-237.55 0.0	0.0 165.4	386.73 302.71	128.92 10.15	-2.51 -2.51	-14.44 -14.44	712.39 297.06	0.0 1.150e+04
						330.7	218.69	-108.63	-2.51	-14.44	-118.27	3355.93
76	89	4.705e+04 0.0	1461.82 -242.47	-0.36 0.16	-885.55 0.0	0.0 165.4	1324.19 1010.97	501.95 59.17	-5.15 -5.15	-38.68 -38.68	1461.82 609.68	0.0 4.639e+04
						330.7	697.75	-383.60	-5.15	-38.68	-242.47	1.957e+04
76	90	4.689e+04 0.0	1466.41 -243.53	-0.36 0.16	-885.55 0.0	0.0 165.4	1328.83 1015.60	501.10 58.33	-5.17 -5.17	-39.04 -39.04	1466.41 611.44	0.0 4.626e+04
						330.7	702.38	-384.44	-5.17	-39.04	-243.53	1.929e+04
76	97	3.619e+04 0.0	1458.63 -250.00	-0.28 0.17	-691.15 0.0	0.0 165.4	1049.10 804.64	388.92 43.35	-5.17 -5.17	-33.56 -33.56	1458.63 604.32	0.0 3.574e+04
						330.7	560.18	-302.22	-5.17	-33.56	-250.00	1.434e+04
76	98	1.163e+04 0.0	386.81 -52.67	-0.09 0.03	-237.55 0.0	0.0 165.4	384.46 300.44	129.33 10.56	-1.33 -1.33	-11.75 -11.75	386.81 167.07	0.0 1.157e+04
						330.7	216.42	-108.21	-1.33	-11.75	-52.67	3492.39
76	99	2.938e+04 0.0	761.53 -114.77	-0.22 0.07	-561.55 0.0	0.0 165.4	853.19 654.57	315.85 35.07	-2.65 -2.65	-23.87 -23.87	761.53 323.38	0.0 2.901e+04
						330.7	455.95	-245.70	-2.65	-23.87	-114.77	1.160e+04
76	105	1.163e+04 0.0	386.81 -52.67	-0.09 0.03	-237.55 0.0	0.0 165.4	384.46 300.44	129.33 10.56	-1.33 -1.33	-11.75 -11.75	386.81 167.07	0.0 1.157e+04

						330.7	216.42	-108.21	-1.33	-11.75	-52.67	3492.39
76	106	2.228e+04	611.64	-0.17	-431.95	0.0	665.70	241.24	-2.12	-19.02	611.64	0.0
		0.0	-89.93	0.05	0.0	165.4	512.92	25.27	-2.12	-19.02	260.86	2.204e+04
						330.7	360.13	-190.71	-2.12	-19.02	-89.93	8356.76
77	3	7850.38	1.141e+04	-3.24e-03	-114.88	0.0	-748.25	158.24	88.66	-18.60	-3661.99	-9285.49
		-9285.49	-3661.99	-0.08	0.0	85.0	-748.25	100.80	88.66	-18.60	3873.74	1723.56
						170.0	-748.25	43.36	88.66	-18.60	1.141e+04	7850.38
77	4	7859.67	1.141e+04	-3.29e-03	-114.88	0.0	-747.14	158.48	88.66	-18.34	-3661.20	-9316.92
		-9316.92	-3661.20	-0.08	0.0	85.0	-747.14	101.04	88.66	-18.34	3874.80	1712.49
						170.0	-747.14	43.60	88.66	-18.34	1.141e+04	7859.67
77	20	3993.62	2012.07	-1.30e-03	-88.37	0.0	-99.67	-13.52	15.64	-0.59	-646.99	3993.62
		-5815.30	-646.99	-0.01	0.0	85.0	-99.67	-57.70	15.64	-0.59	682.54	966.93
						170.0	-99.67	-101.88	15.64	-0.59	2012.07	-5815.30
77	44	9523.17	8927.82	-3.33e-03	-88.37	0.0	-390.35	164.80	70.12	17.14	-3009.84	-1.098e+04
		-1.098e+04	-3009.84	-0.03	0.0	85.0	-390.35	120.62	70.12	17.14	2958.99	1148.61
						170.0	-390.35	76.43	70.12	17.14	8927.82	9523.17
77	52	1.158e+04	8183.94	-3.84e-03	-88.37	0.0	-398.96	188.95	64.41	12.99	-2794.08	-1.303e+04
		-1.303e+04	-2794.08	0.03	0.0	85.0	-398.96	144.76	64.41	12.99	2694.93	1154.80
						170.0	-398.96	100.58	64.41	12.99	8183.94	1.158e+04
77	53	2374.07	397.16	-1.07e-03	-88.37	0.0	-162.77	7.11	-6.48	-26.28	397.16	2327.83
		-3973.95	-731.59	-0.05	0.0	85.0	-162.77	-37.07	-6.48	-26.28	-167.22	1054.72
						170.0	-162.77	-81.25	-6.48	-26.28	-731.59	-3973.95
77	54	1.594e+04	6173.68	-4.31e-03	-88.37	0.0	-350.36	239.76	48.39	3.50	-2072.07	-1.731e+04
		-1.731e+04	-2072.07	0.02	0.0	85.0	-350.36	195.58	48.39	3.50	2050.81	1189.15
						170.0	-350.36	151.40	48.39	3.50	6173.68	1.594e+04
77	76	6610.66	6053.80	-2.57e-03	-88.37	0.0	-333.01	130.81	47.40	3.68	-2012.92	-8115.61
		-8115.61	-2012.92	-0.03	0.0	85.0	-333.01	86.62	47.40	3.68	2020.44	1125.30
						170.0	-333.01	42.44	47.40	3.68	6053.80	6610.66
77	84	7660.10	5758.98	-2.83e-03	-88.37	0.0	-338.21	143.11	45.17	2.04	-1934.24	-9157.35
		-9157.35	-1934.24	-0.03	0.0	85.0	-338.21	98.93	45.17	2.04	1912.37	1129.15
						170.0	-338.21	54.74	45.17	2.04	5758.98	7660.10
77	85	1149.31	1693.37	-1.05e-03	-88.37	0.0	-223.52	52.95	12.77	-15.32	-462.69	-1542.68
		-1542.68	-462.69	-0.03	0.0	85.0	-223.52	8.77	12.77	-15.32	615.34	1080.36
						170.0	-223.52	-35.42	12.77	-15.32	1693.37	-52.16
77	86	9762.75	4854.53	-3.06e-03	-88.37	0.0	-314.92	167.65	37.93	-2.15	-1605.38	-1.123e+04
		-1.123e+04	-1605.38	-0.02	0.0	85.0	-314.92	123.47	37.93	-2.15	1624.57	1145.65
						170.0	-314.92	79.29	37.93	-2.15	4854.53	9762.75
77	89	5437.74	7832.11	-2.33e-03	-88.37	0.0	-518.84	115.14	60.86	-12.81	-2514.00	-6625.48
		-6625.48	-2514.00	-0.06	0.0	85.0	-518.84	70.96	60.86	-12.81	2659.06	1283.91
						170.0	-518.84	26.78	60.86	-12.81	7832.11	5437.74
77	90	5443.94	7833.00	-2.36e-03	-88.37	0.0	-518.10	115.30	60.86	-12.63	-2513.47	-6646.43
		-6646.43	-2513.47	-0.06	0.0	85.0	-518.10	71.12	60.86	-12.63	2659.76	1276.53
						170.0	-518.10	26.94	60.86	-12.63	7833.00	5443.94
77	95	1719.56	2040.24	-1.04e-03	-88.37	0.0	-124.83	16.57	15.87	-1.65	-657.01	1455.41
		-3238.59	-657.01	-0.01	0.0	85.0	-124.83	-27.61	15.87	-1.65	691.61	986.19
						170.0	-124.83	-71.79	15.87	-1.65	2040.24	-3238.59
77	99	5136.48	4889.37	-2.17e-03	-88.37	0.0	-356.13	113.05	38.00	-8.70	-1571.21	-6570.76
		-6570.76	-1571.21	-0.04	0.0	85.0	-356.13	68.87	38.00	-8.70	1659.08	1160.64
						170.0	-356.13	24.68	38.00	-8.70	4889.37	5136.48
77	103	1374.78	1992.99	-1.19e-03	-88.37	0.0	-159.49	63.68	15.51	-3.21	-642.98	-2519.84
		-2519.84	-642.98	-0.01	0.0	85.0	-159.49	19.50	15.51	-3.21	675.00	1015.46
						170.0	-159.49	-24.68	15.51	-3.21	1992.99	795.21
77	105	1961.23	1981.40	-1.38e-03	-88.37	0.0	-167.97	75.50	15.42	-3.55	-639.34	-3518.89
		-3518.89	-639.34	-0.01	0.0	85.0	-167.97	31.32	15.42	-3.55	671.03	1020.94
						170.0	-167.97	-12.86	15.42	-3.55	1981.40	1805.21
77	106	3803.97	3726.18	-1.84e-03	-88.37	0.0	-280.87	98.03	28.97	-6.64	-1198.46	-5350.01
		-5350.01	-1198.46	-0.03	0.0	85.0	-280.87	53.85	28.97	-6.64	1263.86	1104.76
						170.0	-280.87	9.66	28.97	-6.64	3726.18	3803.97
78	9	5.177e+04	2121.15	-0.19	-40.59	0.0	-761.79	1148.98	42.70	15.74	-3287.38	-9.120e+04
		-9.120e+04	-3287.38	0.03	0.0	63.3	-761.79	1128.68	42.70	15.74	-583.12	-1.907e+04
						126.7	-761.79	1108.39	42.70	15.74	2121.15	5.177e+04
78	11	5.149e+04	2289.22	-0.19	-40.59	0.0	-757.25	1153.89	44.62	15.53	-3363.03	-9.210e+04
		-9.210e+04	-3363.03	0.02	0.0	63.3	-757.25	1133.60	44.62	15.53	-536.90	-1.967e+04
						126.7	-757.25	1113.31	44.62	15.53	2289.22	5.149e+04
78	18	4.197e+04	2466.60	-0.15	-40.59	0.0	-484.21	855.72	62.30	12.77	-5424.63	-6.385e+04
		-6.385e+04	-5424.63	0.04	0.0	63.3	-484.21	835.43	62.30	12.77	-1479.02	-1.030e+04
						126.7	-484.21	815.13	62.30	12.77	2466.60	4.197e+04
78	21	2.322e+04	1947.66	-0.08	-31.22	0.0	-154.12	404.45	57.75	7.21	-5367.94	-2.604e+04
		-2.604e+04	-5367.94	0.05	0.0	63.3	-154.12	388.84	57.75	7.21	-1710.14	-914.88
						126.7	-154.12	373.23	57.75	7.21	1947.66	2.322e+04
78	31	3.042e+04	-4164.11	-0.09	-31.22	0.0	-268.51	310.96	263.68	15.85	-2.519e+04	-6994.28
		-6994.28	-2.519e+04	0.23	0.0	63.3	-268.51	295.34	263.68	15.85	-1.468e+04	1.220e+04
						126.7	-268.51	279.73	263.68	15.85	-4164.11	3.042e+04
78	32	3.816e+04	-8143.17	-0.11	-31.22	0.0	-196.75	177.07	160.80	12.06	-1.495e+04	1.771e+04
		1.771e+04	-1.495e+04	0.47	0.0	63.3	-196.75	161.46	160.80	12.06	-1.155e+04	2.843e+04
						126.7	-196.75	145.85	160.80	12.06	-8143.17	3.816e+04
78	33	1390.12	1.473e+04	-0.04	-31.22	0.0	-551.54	813.23	-147.89	1.45	1.473e+04	-9.964e+04

		-9.964e+04	9555.67	-0.48	0.0	63.3	-551.54	797.62	-147.89	1.45	1.214e+04	-4.863e+04
						126.7	-551.54	782.01	-147.89	1.45	9555.67	1390.12
78	34	9132.84	2.497e+04	-0.06	-31.22	0.0	-479.78	679.34	-250.77	-2.34	2.497e+04	-7.494e+04
		-7.494e+04	5576.60	-0.24	0.0	63.3	-479.78	663.73	-250.77	-2.34	1.527e+04	-3.241e+04
						126.7	-479.78	648.12	-250.77	-2.34	5576.60	9132.84
78	56	2.814e+04	-2172.52	-0.09	-31.22	0.0	-292.24	351.28	41.74	8.86	-3357.81	-1.438e+04
		-1.438e+04	-3357.81	0.14	0.0	63.3	-292.24	335.67	41.74	8.86	-2765.16	7373.07
						126.7	-292.24	320.06	41.74	8.86	-2172.52	2.814e+04
78	57	1.141e+04	3585.02	-0.06	-31.22	0.0	-456.05	639.01	-28.82	4.65	3134.50	-6.755e+04
		-6.755e+04	3134.50	-0.15	0.0	63.3	-456.05	623.40	-28.82	4.65	3359.76	-2.758e+04
						126.7	-456.05	607.79	-28.82	4.65	3585.02	1.141e+04
78	63	2.456e+04	-1637.28	-0.08	-31.22	0.0	-325.85	412.34	130.03	11.12	-1.216e+04	2.569e+04
		-2.569e+04	-1.216e+04	0.10	0.0	63.3	-325.85	396.73	130.03	11.12	-6899.46	-71.87
						126.7	-325.85	381.12	130.03	11.12	-1637.28	2.456e+04
78	66	1.499e+04	1.194e+04	-0.07	-31.22	0.0	-422.44	577.96	-117.11	2.39	1.194e+04	-5.624e+04
		-5.624e+04	3049.77	-0.11	0.0	63.3	-422.44	562.35	-117.11	2.39	7494.05	-2.013e+04
						126.7	-422.44	546.74	-117.11	2.39	3049.77	1.499e+04
78	91	3.666e+04	1487.90	-0.14	-31.22	0.0	-549.27	819.97	29.12	11.26	-2200.71	-6.523e+04
		-6.523e+04	-2200.71	0.02	0.0	63.3	-549.27	804.36	29.12	11.26	-356.41	-1.379e+04
						126.7	-549.27	788.75	29.12	11.26	1487.90	3.666e+04
78	93	3.647e+04	1599.94	-0.14	-31.22	0.0	-546.24	823.25	30.40	11.12	-2251.14	-6.583e+04
		-6.583e+04	-2251.14	0.01	0.0	63.3	-546.24	807.64	30.40	11.12	-325.60	-1.419e+04
						126.7	-546.24	792.02	30.40	11.12	1599.94	3.647e+04
78	96	2.260e+04	1531.82	-0.08	-31.22	0.0	-236.54	446.06	40.61	7.22	-3611.52	-3.192e+04
		-3.192e+04	-3611.52	0.03	0.0	63.3	-236.54	430.45	40.61	7.22	-1039.85	-4166.24
						126.7	-236.54	414.84	40.61	7.22	1531.82	2.260e+04
78	97	3.012e+04	1718.19	-0.11	-31.22	0.0	-364.22	624.46	42.19	9.28	-3625.54	-4.700e+04
		-4.700e+04	-3625.54	0.03	0.0	63.3	-364.22	608.85	42.19	9.28	-953.68	-7945.33
						126.7	-364.22	593.24	42.19	9.28	1718.19	3.012e+04
78	100	2.286e+04	732.78	-0.09	-31.22	0.0	-426.51	565.10	6.54	7.64	-95.65	-4.674e+04
		-4.674e+04	-95.65	-3.06e-03	0.0	63.3	-426.51	549.49	6.54	7.64	318.56	-1.144e+04
						126.7	-426.51	533.88	6.54	7.64	732.78	2.286e+04
78	102	2.278e+04	780.80	-0.09	-31.22	0.0	-425.21	566.51	7.09	7.58	-117.26	-4.700e+04
		-4.700e+04	-117.26	-6.00e-03	0.0	63.3	-425.21	550.90	7.09	7.58	331.77	-1.161e+04
						126.7	-425.21	535.29	7.09	7.58	780.80	2.278e+04
78	104	2.036e+04	858.56	-0.08	-31.22	0.0	-346.97	484.96	13.14	6.86	-805.86	-3.909e+04
		-3.909e+04	-805.86	1.85e-03	0.0	63.3	-346.97	469.35	13.14	6.86	26.35	-8869.58
						126.7	-346.97	453.73	13.14	6.86	858.56	2.036e+04
78	105	1.986e+04	658.23	-0.08	-31.22	0.0	-375.44	493.74	5.91	6.82	-90.04	-4.071e+04
		-4.071e+04	-90.04	-3.04e-03	0.0	63.3	-375.44	478.13	5.91	6.82	284.09	-9931.82
						126.7	-375.44	462.52	5.91	6.82	658.23	1.986e+04
78	106	1.977e+04	706.25	-0.08	-31.22	0.0	-374.14	495.15	6.46	6.76	-111.65	-4.097e+04
		-4.097e+04	-111.65	-6.03e-03	0.0	63.3	-374.14	479.54	6.46	6.76	297.30	-1.010e+04
						126.7	-374.14	463.93	6.46	6.76	706.25	1.977e+04
79	5	7786.23	-1934.91	-0.10	-24.65	0.0	-17.37	204.15	10.07	0.0	-2942.40	-1.140e+04
		-1.140e+04	-2942.40	4.59e-03	0.0	50.0	-17.37	191.82	10.07	0.0	-2438.66	-1496.77
						100.0	-17.37	179.50	10.07	0.0	-1934.91	7786.23
79	9	8868.45	-2400.87	-0.20	-32.04	0.0	-72.59	525.69	44.33	0.0	-6834.01	-4.210e+04
		-4.210e+04	-6834.01	-0.02	0.0	50.0	-72.59	509.67	44.33	0.0	-4617.44	-1.621e+04
						100.0	-72.59	493.65	44.33	0.0	-2400.87	8868.45
79	11	8634.83	-2622.27	-0.20	-32.04	0.0	-58.88	526.98	40.03	0.0	-6624.80	-4.246e+04
		-4.246e+04	-6624.80	-0.03	0.0	50.0	-58.88	510.96	40.03	0.0	-4623.54	-1.651e+04
						100.0	-58.88	494.94	40.03	0.0	-2622.27	8634.83
79	16	1.351e+04	-3261.46	-0.19	-32.04	0.0	-38.37	382.26	22.22	0.0	-5483.25	-2.311e+04
		-2.311e+04	-5483.25	7.17e-03	0.0	50.0	-38.37	366.23	22.22	0.0	-4372.35	-4400.86
						100.0	-38.37	350.21	22.22	0.0	-3261.46	1.351e+04
79	21	1.268e+04	-2796.31	-0.12	-24.65	0.0	10.10	176.93	-3.76	0.0	-2796.31	-3776.60
		-3776.60	-3171.85	7.07e-03	0.0	50.0	10.10	164.61	-3.76	0.0	-2984.08	4761.93
						100.0	10.10	152.28	-3.76	0.0	-3171.85	1.268e+04
79	35	3.081e+04	-6447.93	-0.29	-24.65	0.0	529.59	90.12	109.25	0.0	-1.015e+04	2.304e+04
		2.304e+04	-1.015e+04	0.33	0.0	50.0	529.59	77.79	109.25	0.0	-8298.98	2.724e+04
						100.0	529.59	65.47	109.25	0.0	-6447.93	3.081e+04
79	38	-3.070e+04	5469.86	0.14	-24.65	0.0	-600.31	419.75	-61.45	0.0	4391.92	-7.145e+04
		-7.145e+04	4391.92	-0.38	0.0	50.0	-600.31	407.43	-61.45	0.0	4930.89	-5.077e+04
						100.0	-600.31	395.11	-61.45	0.0	5469.86	-3.070e+04
79	44	5.915e+04	1996.87	-0.29	-24.65	0.0	-255.73	-39.11	128.89	0.0	-1.129e+04	5.915e+04
		5.419e+04	-1.129e+04	0.35	0.0	50.0	-255.73	-51.44	128.89	0.0	-4646.90	5.698e+04
						100.0	-255.73	-63.76	128.89	0.0	1996.87	5.419e+04
79	45	-5.408e+04	5532.54	0.14	-24.65	0.0	185.01	548.98	-81.09	0.0	5532.54	-1.076e+05
		-1.076e+05	-2974.94	-0.40	0.0	50.0	185.01	536.66	-81.09	0.0	1278.80	-8.051e+04
						100.0	185.01	524.33	-81.09	0.0	-2974.94	-5.408e+04
79	67	1.346e+04	-3367.56	-0.17	-24.65	0.0	228.60	183.37	63.19	0.0	-6115.48	-3641.13
		-3641.13	-6115.48	0.14	0.0	50.0	228.60	171.05	63.19	0.0	-4741.52	5217.01
						100.0	228.60	158.72	63.19	0.0	-3367.56	1.346e+04
79	70	-1.335e+04	2389.49	0.03	-24.65	0.0	-299.32	326.50	-15.39	0.0	357.36	-4.477e+04
		-4.477e+04	357.36	-0.19	0.0	50.0	-299.32	314.18	-15.39	0.0	1373.43	-2.875e+04
						100.0	-299.32	301.85	-15.39	0.0	2389.49	-1.335e+04

79	76	2.354e+04	716.43	-0.17	-24.65	0.0	-141.89	127.47	72.65	0.0	-6717.94	1.192e+04
		1.192e+04	-6717.94	0.14	0.0	50.0	-141.89	115.15	72.65	0.0	-3000.75	1.804e+04
						100.0	-141.89	102.82	72.65	0.0	716.43	2.354e+04
79	77	-2.343e+04	959.83	0.03	-24.65	0.0	71.17	382.40	-24.84	0.0	959.83	-6.033e+04
		-6.033e+04	-1694.50	-0.19	0.0	50.0	71.17	370.07	-24.84	0.0	-367.34	-4.157e+04
						100.0	71.17	357.75	-24.84	0.0	-1694.50	-2.343e+04
79	87	5253.47	-1441.31	-0.10	-24.65	0.0	-25.51	226.06	15.61	0.0	-3001.95	-1.612e+04
		-1.612e+04	-3001.95	-6.31e-03	0.0	50.0	-25.51	213.74	15.61	0.0	-2221.63	-5125.18
						100.0	-25.51	201.41	15.61	0.0	-1441.31	5253.47
79	91	5906.51	-1647.90	-0.15	-24.65	0.0	-52.79	379.30	32.39	0.0	-4887.12	-3.079e+04
		-3.079e+04	-4887.12	-0.02	0.0	50.0	-52.79	366.97	32.39	0.0	-3267.51	-1.213e+04
						100.0	-52.79	354.65	32.39	0.0	-1647.90	5906.51
79	93	5750.77	-1795.50	-0.14	-24.65	0.0	-43.65	380.16	29.52	0.0	-4747.64	-3.103e+04
		-3.103e+04	-4747.64	-0.03	0.0	50.0	-43.65	367.83	29.52	0.0	-3271.57	-1.233e+04
						100.0	-43.65	355.51	29.52	0.0	-1795.50	5750.77
79	95	9001.07	-2221.63	-0.13	-24.65	0.0	-29.98	283.67	17.65	0.0	-3986.61	-1.813e+04
		-1.813e+04	-3986.61	3.93e-03	0.0	50.0	-29.98	271.35	17.65	0.0	-3104.12	-4258.24
						100.0	-29.98	259.02	17.65	0.0	-2221.63	9001.07
79	96	8518.80	-2265.94	-0.11	-24.65	0.0	-7.20	207.92	6.39	0.0	-2904.55	-1.104e+04
		-1.104e+04	-2904.55	-4.49e-03	0.0	50.0	-7.20	195.59	6.39	0.0	-2585.24	-952.71
						100.0	-7.20	183.27	6.39	0.0	-2265.94	8518.80
79	98	121.85	-425.78	-0.08	-24.65	0.0	-39.28	254.57	25.13	0.0	-2938.83	-2.410e+04
		-2.410e+04	-2938.83	-0.02	0.0	50.0	-39.28	242.24	25.13	0.0	-1682.30	-1.168e+04
						100.0	-39.28	229.92	25.13	0.0	-425.78	121.85
79	100	252.46	-467.10	-0.09	-24.65	0.0	-44.73	285.21	28.49	0.0	-3315.86	-2.704e+04
		-2.704e+04	-3315.86	-0.02	0.0	50.0	-44.73	272.89	28.49	0.0	-1891.48	-1.308e+04
						100.0	-44.73	260.56	28.49	0.0	-467.10	252.46
79	102	185.71	-530.35	-0.09	-24.65	0.0	-40.81	285.58	27.26	0.0	-3256.09	-2.714e+04
		-2.714e+04	-3256.09	-0.03	0.0	50.0	-40.81	273.26	27.26	0.0	-1893.22	-1.317e+04
						100.0	-40.81	260.93	27.26	0.0	-530.35	185.71
79	103	1832.39	-764.29	-0.08	-24.65	0.0	-34.69	245.06	21.96	0.0	-2959.87	-2.144e+04
		-2.144e+04	-2959.87	-0.02	0.0	50.0	-34.69	232.74	21.96	0.0	-1862.08	-9496.48
						100.0	-34.69	220.42	21.96	0.0	-764.29	1832.39
79	104	1765.64	-827.55	-0.08	-24.65	0.0	-30.77	245.43	20.73	0.0	-2900.10	-2.155e+04
		-2.155e+04	-2900.10	-0.02	0.0	50.0	-30.77	233.11	20.73	0.0	-1863.82	-9581.70
						100.0	-30.77	220.78	20.73	0.0	-827.55	1765.64
79	105	121.85	-425.78	-0.08	-24.65	0.0	-39.28	254.57	25.13	0.0	-2938.83	-2.410e+04
		-2.410e+04	-2938.83	-0.02	0.0	50.0	-39.28	242.24	25.13	0.0	-1682.30	-1.168e+04
						100.0	-39.28	229.92	25.13	0.0	-425.78	121.85
79	106	55.10	-489.03	-0.08	-24.65	0.0	-35.36	254.94	23.90	0.0	-2879.06	-2.421e+04
		-2.421e+04	-2879.06	-0.02	0.0	50.0	-35.36	242.61	23.90	0.0	-1684.05	-1.177e+04
						100.0	-35.36	230.29	23.90	0.0	-489.03	55.10
80	7	1.112e+04	2399.01	-0.20	-317.84	0.0	1447.49	158.92	-21.54	-16.17	2399.01	0.0
		0.0	-3632.77	0.09	0.0	140.0	1447.49	1.18e-06	-21.54	-16.17	-616.88	1.112e+04
						280.0	1447.49	-158.92	-21.54	-16.17	-3632.77	0.0
80	9	2.755e+04	6803.46	-0.48	-787.02	0.0	3203.50	393.51	-53.42	6.88	6803.46	0.0
		0.0	-8152.75	0.19	0.0	140.0	3203.50	-4.22e-06	-53.42	6.88	-674.64	2.755e+04
						280.0	3203.50	-393.51	-53.42	6.88	-8152.75	0.0
80	25	1.153e+04	7065.85	-0.11	-329.42	0.0	598.67	164.71	47.09	-44.02	-6219.67	0.0
		0.0	-6219.67	-0.28	0.0	140.0	598.67	0.0	47.09	-44.02	423.09	1.153e+04
						280.0	598.67	-164.71	47.09	-44.02	7065.85	0.0
80	28	1.153e+04	1.086e+04	-0.31	-329.42	0.0	2147.46	164.71	-82.58	67.09	1.086e+04	0.0
		0.0	-1.238e+04	0.24	0.0	140.0	2147.46	0.0	-82.58	67.09	-761.04	1.153e+04
						280.0	2147.46	-164.71	-82.58	67.09	-1.238e+04	0.0
80	32	1.153e+04	1.331e+04	-0.34	-329.42	0.0	2310.76	164.71	-100.72	85.26	1.331e+04	0.0
		0.0	-1.515e+04	0.78	0.0	140.0	2310.76	0.0	-100.72	85.26	-919.02	1.153e+04
						280.0	2310.76	-164.71	-100.72	85.26	-1.515e+04	0.0
80	33	1.153e+04	9546.68	-0.09	-329.42	0.0	448.21	164.71	62.95	-59.95	-8333.03	0.0
		0.0	-8333.03	-0.74	0.0	140.0	448.21	0.0	62.95	-59.95	606.83	1.153e+04
						280.0	448.21	-164.71	62.95	-59.95	9546.68	0.0
80	44	1.153e+04	1.439e+04	-0.12	-329.42	0.0	2283.95	164.71	-105.50	89.50	1.439e+04	0.0
		0.0	-1.537e+04	1.00	0.0	140.0	2283.95	0.0	-105.50	89.50	-491.16	1.153e+04
						280.0	2283.95	-164.71	-105.50	89.50	-1.537e+04	0.0
80	57	1.153e+04	1878.11	-0.16	-329.42	0.0	1008.60	164.71	12.24	-13.65	-1596.45	0.0
		0.0	-1596.45	-0.09	0.0	140.0	1008.60	0.0	12.24	-13.65	140.83	1.153e+04
						280.0	1008.60	-164.71	12.24	-13.65	1878.11	0.0
80	60	1.153e+04	6402.97	-0.26	-329.42	0.0	1744.02	164.71	-48.83	37.86	6402.97	0.0
		0.0	-7323.89	0.10	0.0	140.0	1744.02	0.0	-48.83	37.86	-460.46	1.153e+04
						280.0	1744.02	-164.71	-48.83	37.86	-7323.89	0.0
80	64	1.153e+04	7291.71	-0.27	-329.42	0.0	1810.22	164.71	-55.63	44.63	7291.71	0.0
		0.0	-8410.28	0.32	0.0	140.0	1810.22	0.0	-55.63	44.63	-559.28	1.153e+04
						280.0	1810.22	-164.71	-55.63	44.63	-8410.28	0.0
80	65	1.153e+04	2809.67	-0.14	-329.42	0.0	948.75	164.71	17.85	-19.33	-2315.50	0.0
		0.0	-2315.50	-0.28	0.0	140.0	948.75	0.0	17.85	-19.33	247.09	1.153e+04
						280.0	948.75	-164.71	17.85	-19.33	2809.67	0.0
80	76	1.153e+04	7963.32	-0.16	-329.42	0.0	1804.29	164.71	-59.02	47.39	7963.32	0.0
		0.0	-8665.91	0.42	0.0	140.0	1804.29	0.0	-59.02	47.39	-351.29	1.153e+04

						280.0	1804.29	-164.71	-59.02	47.39	-8665.91	0.0
80	89	1.153e+04	2538.25	-0.21	-329.42	0.0	1453.00	164.71	-21.41	-5.96	2538.25	0.0
		0.0	-3457.86	0.07	0.0	140.0	1453.00	0.0	-21.41	-5.96	-459.81	1.153e+04
						280.0	1453.00	-164.71	-21.41	-5.96	-3457.86	0.0
80	91	1.963e+04	4832.29	-0.35	-560.88	0.0	2291.88	280.44	-37.84	6.12	4832.29	0.0
		0.0	-5762.91	0.13	0.0	140.0	2291.88	-2.56e-06	-37.84	6.12	-465.31	1.963e+04
						280.0	2291.88	-280.44	-37.84	6.12	-5762.91	0.0
80	99	1.153e+04	2381.76	-0.21	-329.42	0.0	1378.84	164.71	-18.22	12.03	2381.76	0.0
		0.0	-2718.95	0.01	0.0	140.0	1378.84	0.0	-18.22	12.03	-168.59	1.153e+04
						280.0	1378.84	-164.71	-18.22	12.03	-2718.95	0.0
80	100	1.315e+04	3000.08	-0.24	-375.71	0.0	1547.58	187.86	-22.51	15.38	3000.08	0.0
		0.0	-3301.99	0.03	0.0	140.0	1547.58	0.0	-22.51	15.38	-150.95	1.315e+04
						280.0	1547.58	-187.86	-22.51	15.38	-3301.99	0.0
80	105	1.153e+04	2647.62	-0.21	-329.42	0.0	1380.45	164.71	-19.89	13.59	2647.62	0.0
		0.0	-2922.33	0.03	0.0	140.0	1380.45	0.0	-19.89	13.59	-137.36	1.153e+04
						280.0	1380.45	-164.71	-19.89	13.59	-2922.33	0.0
80	106	1.153e+04	2488.10	-0.21	-329.42	0.0	1379.48	164.71	-18.89	12.65	2488.10	0.0
		0.0	-2800.30	0.02	0.0	140.0	1379.48	0.0	-18.89	12.65	-156.10	1.153e+04
						280.0	1379.48	-164.71	-18.89	12.65	-2800.30	0.0
81	7	2.555e+04	2846.75	-0.11	-31.22	0.0	9.36	217.35	-29.96	0.0	2846.75	0.0
		0.0	-948.58	0.02	0.0	63.3	9.36	201.74	-29.96	0.0	949.09	1.327e+04
						126.7	9.36	186.13	-29.96	0.0	-948.58	2.555e+04
81	9	6.224e+04	4804.05	-0.28	-40.59	0.0	-16.08	511.66	-48.10	0.0	4804.05	0.0
		0.0	-1289.11	0.04	0.0	63.3	-16.08	491.36	-48.10	0.0	1757.47	3.176e+04
						126.7	-16.08	471.07	-48.10	0.0	-1289.11	6.224e+04
81	11	6.224e+04	5246.00	-0.28	-40.59	0.0	-7.55	511.66	-51.78	0.0	5246.00	0.0
		0.0	-1312.72	0.03	0.0	63.3	-7.55	491.37	-51.78	0.0	1966.64	3.176e+04
						126.7	-7.55	471.07	-51.78	0.0	-1312.72	6.224e+04
81	18	4.876e+04	4422.72	-0.21	-40.59	0.0	0.96	405.27	-47.45	0.0	4422.72	0.0
		0.0	-1587.34	0.05	0.0	63.3	0.96	384.97	-47.45	0.0	1417.69	2.502e+04
						126.7	0.96	364.68	-47.45	0.0	-1587.34	4.876e+04
81	35	2.846e+04	-2599.39	-0.10	-31.22	0.0	336.57	240.32	67.55	0.0	-7333.94	0.0
		0.0	-7333.94	0.26	0.0	63.3	336.57	224.71	67.55	0.0	-4966.66	1.473e+04
						126.7	336.57	209.10	67.55	0.0	-2599.39	2.846e+04
81	38	2.444e+04	1.189e+04	-0.14	-31.22	0.0	-348.04	208.57	-108.61	0.0	1.189e+04	0.0
		0.0	1955.90	-0.27	0.0	63.3	-348.04	192.95	-108.61	0.0	6923.46	1.271e+04
						126.7	-348.04	177.34	-108.61	0.0	1955.90	2.444e+04
81	43	1.872e+04	3208.83	-0.13	-31.22	0.0	282.88	163.44	76.57	0.0	-9198.87	0.0
		0.0	-9198.87	-0.30	0.0	63.3	282.88	147.83	76.57	0.0	-2995.02	9856.68
						126.7	282.88	132.22	76.57	0.0	3208.83	1.872e+04
81	44	3.692e+04	9321.31	-0.11	-31.22	0.0	-128.67	307.12	-77.21	0.0	9321.31	0.0
		0.0	-6027.34	0.52	0.0	63.3	-128.67	291.51	-77.21	0.0	1646.98	1.896e+04
						126.7	-128.67	275.90	-77.21	0.0	-6027.34	3.692e+04
81	46	3.418e+04	1.376e+04	-0.12	-31.22	0.0	-294.34	285.45	-117.63	0.0	1.376e+04	0.0
		0.0	-3852.32	0.30	0.0	63.3	-294.34	269.84	-117.63	0.0	4951.81	1.758e+04
						126.7	-294.34	254.23	-117.63	0.0	-3852.32	3.418e+04
81	51	1.928e+04	3082.03	-0.12	-31.22	0.0	297.70	167.82	68.73	0.0	-7343.47	0.0
		0.0	-7343.47	-0.20	0.0	63.3	297.70	152.21	68.73	0.0	-2130.72	1.013e+04
						126.7	297.70	136.60	68.73	0.0	3082.03	1.928e+04
81	67	2.749e+04	-1310.18	-0.11	-31.22	0.0	156.20	232.63	22.05	0.0	-2341.23	0.0
		0.0	-2341.23	0.12	0.0	63.3	156.20	217.02	22.05	0.0	-1825.71	1.424e+04
						126.7	156.20	201.40	22.05	0.0	-1310.18	2.749e+04
81	70	2.542e+04	6898.31	-0.13	-31.22	0.0	-167.67	216.26	-63.11	0.0	6898.31	0.0
		0.0	666.69	-0.12	0.0	63.3	-167.67	200.65	-63.11	0.0	3782.50	1.320e+04
						126.7	-167.67	185.04	-63.11	0.0	666.69	2.542e+04
81	75	2.247e+04	1278.15	-0.12	-31.22	0.0	132.67	192.99	25.80	0.0	-3274.83	0.0
		0.0	-3274.83	-0.13	0.0	63.3	132.67	177.38	25.80	0.0	-998.34	1.173e+04
						126.7	132.67	161.77	25.80	0.0	1278.15	2.247e+04
81	76	3.185e+04	5713.12	-0.11	-31.22	0.0	-66.03	267.03	-47.42	0.0	5713.12	0.0
		0.0	-2883.81	0.23	0.0	63.3	-66.03	251.42	-47.42	0.0	1414.65	1.642e+04
						126.7	-66.03	235.81	-47.42	0.0	-2883.81	3.185e+04
81	78	3.044e+04	7831.91	-0.12	-31.22	0.0	-144.14	255.90	-66.86	0.0	7831.91	0.0
		0.0	-1921.64	0.13	0.0	63.3	-144.14	240.28	-66.86	0.0	2955.13	1.571e+04
						126.7	-144.14	224.67	-66.86	0.0	-1921.64	3.044e+04
81	83	2.277e+04	1247.74	-0.12	-31.22	0.0	139.16	195.41	23.11	0.0	-2409.05	0.0
		0.0	-2409.05	-0.09	0.0	63.3	139.16	179.80	23.11	0.0	-580.66	1.188e+04
						126.7	139.16	164.19	23.11	0.0	1247.74	2.277e+04
81	89	2.645e+04	2657.71	-0.12	-31.22	0.0	3.34	224.45	-26.85	0.0	2657.71	0.0
		0.0	-743.23	0.02	0.0	63.3	3.34	208.83	-26.85	0.0	957.24	1.372e+04
						126.7	3.34	193.22	-26.85	0.0	-743.23	2.645e+04
81	91	4.442e+04	3447.22	-0.20	-31.22	0.0	-11.63	366.30	-34.29	0.0	3447.22	0.0
		0.0	-895.57	0.03	0.0	63.3	-11.63	350.69	-34.29	0.0	1275.83	2.270e+04
						126.7	-11.63	335.08	-34.29	0.0	-895.57	4.442e+04
81	93	4.442e+04	3741.86	-0.20	-31.22	0.0	-5.94	366.30	-36.74	0.0	3741.86	0.0
		0.0	-911.31	0.02	0.0	63.3	-5.94	350.69	-36.74	0.0	1415.27	2.270e+04
						126.7	-5.94	335.08	-36.74	0.0	-911.31	4.442e+04
81	97	3.544e+04	3193.00	-0.16	-31.22	0.0	-0.27	295.37	-33.85	0.0	3193.00	0.0

		0.0	-1094.39	0.04	0.0	63.3	-0.27	279.76	-33.85	0.0	1049.31	1.821e+04
						126.7	-0.27	264.15	-33.85	0.0	-1094.39	3.544e+04
81	99	2.645e+04	2362.72	-0.12	-31.22	0.0	-4.11	224.44	-21.23	0.0	2362.72	0.0
		0.0	-326.25	-3.78e-03	0.0	63.3	-4.11	208.83	-21.23	0.0	1018.24	1.372e+04
						126.7	-4.11	193.22	-21.23	0.0	-326.25	2.645e+04
81	100	3.005e+04	2394.35	-0.14	-31.22	0.0	-9.54	252.82	-21.67	0.0	2394.35	0.0
		0.0	-349.97	3.23e-03	0.0	63.3	-9.54	237.20	-21.67	0.0	1022.19	1.552e+04
						126.7	-9.54	221.59	-21.67	0.0	-349.97	3.005e+04
81	102	3.005e+04	2520.62	-0.14	-31.22	0.0	-7.10	252.82	-22.72	0.0	2520.62	0.0
		0.0	-356.71	-2.70e-03	0.0	63.3	-7.10	237.20	-22.72	0.0	1081.95	1.552e+04
						126.7	-7.10	221.59	-22.72	0.0	-356.71	3.005e+04
81	104	2.645e+04	2306.72	-0.12	-31.22	0.0	-4.61	224.44	-21.82	0.0	2306.72	0.0
		0.0	-456.99	7.38e-03	0.0	63.3	-4.61	208.83	-21.82	0.0	924.86	1.372e+04
						126.7	-4.61	193.22	-21.82	0.0	-456.99	2.645e+04
81	105	2.645e+04	2152.27	-0.12	-31.22	0.0	-8.17	224.44	-19.48	0.0	2152.27	0.0
		0.0	-315.00	2.52e-03	0.0	63.3	-8.17	208.83	-19.48	0.0	918.63	1.372e+04
						126.7	-8.17	193.22	-19.48	0.0	-315.00	2.645e+04
81	106	2.645e+04	2278.54	-0.12	-31.22	0.0	-5.73	224.44	-20.53	0.0	2278.54	0.0
		0.0	-321.75	-2.72e-03	0.0	63.3	-5.73	208.83	-20.53	0.0	978.40	1.372e+04
						126.7	-5.73	193.22	-20.53	0.0	-321.75	2.645e+04
82	9	1.147e+04	9248.99	0.03	-121.77	0.0	564.60	-20.58	60.71	12.24	-1.382e+04	1.147e+04
		-1.948e+04	-1.382e+04	0.08	0.0	190.0	564.60	-81.47	60.71	12.24	-2286.50	1778.89
						380.0	564.60	-142.35	60.71	12.24	9248.99	-1.948e+04
82	16	2.028e+04	1.276e+04	0.04	-121.77	0.0	164.18	-67.46	87.31	10.93	-2.042e+04	2.028e+04
		-2.849e+04	-2.042e+04	0.15	0.0	190.0	164.18	-128.34	87.31	10.93	-3826.40	1680.73
						380.0	164.18	-189.23	87.31	10.93	1.276e+04	-2.849e+04
82	18	1.904e+04	1.308e+04	0.03	-121.77	0.0	142.18	-61.17	88.71	9.90	-2.063e+04	1.904e+04
		-2.734e+04	-2.063e+04	0.14	0.0	190.0	142.18	-122.05	88.71	9.90	-3779.24	1633.62
						380.0	142.18	-182.94	88.71	9.90	1.308e+04	-2.734e+04
82	20	2.088e+04	1.224e+04	0.03	-93.67	0.0	27.69	-80.03	84.60	9.21	-1.991e+04	2.088e+04
		-2.733e+04	-1.991e+04	0.16	0.0	190.0	27.69	-126.87	84.60	9.21	-3833.84	1221.83
						380.0	27.69	-173.70	84.60	9.21	1.224e+04	-2.733e+04
82	21	1.933e+04	1.196e+04	0.03	-93.67	0.0	-186.23	-72.02	82.89	5.93	-1.953e+04	1.933e+04
		-2.583e+04	-1.953e+04	0.15	0.0	190.0	-186.23	-118.85	82.89	5.93	-3785.35	1197.04
						380.0	-186.23	-165.68	82.89	5.93	1.196e+04	-2.583e+04
82	31	4.805e+04	2.159e+04	-0.06	-93.67	0.0	464.26	-215.10	109.65	11.92	-2.008e+04	4.805e+04
		-5.148e+04	-2.008e+04	0.53	0.0	190.0	464.26	-261.93	109.65	11.92	757.18	2732.10
						380.0	464.26	-308.76	109.65	11.92	2.159e+04	-5.148e+04
82	32	8.461e+04	1.381e+04	-0.10	-93.67	0.0	586.76	-402.82	69.76	6.63	-1.269e+04	8.461e+04
		-8.626e+04	-1.269e+04	1.16	0.0	190.0	586.76	-449.65	69.76	6.63	559.80	3627.76
						380.0	586.76	-496.49	69.76	6.63	1.381e+04	-8.626e+04
82	33	7.966e+04	9776.61	0.10	-93.67	0.0	140.28	492.49	-54.04	2.29	9776.61	-8.969e+04
		-8.969e+04	-1.076e+04	-1.24	0.0	190.0	140.28	445.66	-54.04	2.29	-490.63	-568.16
						380.0	140.28	398.83	-54.04	2.29	-1.076e+04	7.966e+04
82	44	7.906e+04	6372.22	-0.10	-93.67	0.0	616.28	-374.17	-34.07	-2.93	6372.22	7.906e+04
		-8.092e+04	-6586.63	1.27	0.0	190.0	616.28	-421.00	-34.07	-2.93	-107.21	3517.61
						380.0	616.28	-467.84	-34.07	-2.93	-6586.63	-8.092e+04
82	45	7.433e+04	9642.24	0.09	-93.67	0.0	110.76	463.84	49.79	11.84	-9289.50	-8.414e+04
		-8.414e+04	-9289.50	-1.35	0.0	190.0	110.76	417.01	49.79	11.84	176.37	-458.00
						380.0	110.76	370.18	49.79	11.84	9642.24	7.433e+04
82	56	3.672e+04	4043.45	-0.05	-93.67	0.0	451.11	-156.95	20.41	4.52	-3710.04	3.672e+04
		-4.072e+04	-3710.04	0.34	0.0	190.0	451.11	-203.78	20.41	4.52	166.70	2448.82
						380.0	451.11	-250.61	20.41	4.52	4043.45	-4.072e+04
82	57	3.412e+04	792.76	0.04	-93.67	0.0	275.93	246.62	-4.69	4.39	792.76	-4.180e+04
		-4.180e+04	-987.84	-0.42	0.0	190.0	275.93	199.79	-4.69	4.39	-97.54	610.78
						380.0	275.93	152.95	-4.69	4.39	-987.84	3.412e+04
82	63	2.022e+04	1.112e+04	-0.03	-93.67	0.0	411.61	-72.09	56.50	7.81	-1.035e+04	2.022e+04
		-2.497e+04	-1.035e+04	0.22	0.0	190.0	411.61	-118.92	56.50	7.81	385.15	2071.46
						380.0	411.61	-165.75	56.50	7.81	1.112e+04	-2.497e+04
82	76	3.358e+04	2344.82	-0.04	-93.67	0.0	479.94	-140.65	-12.49	1.00	2344.82	3.358e+04
		-3.766e+04	-2409.13	0.53	0.0	190.0	479.94	-187.48	-12.49	1.00	-32.16	2408.85
						380.0	479.94	-234.31	-12.49	1.00	-2409.13	-3.766e+04
82	77	3.106e+04	5464.74	0.04	-93.67	0.0	247.10	230.32	28.21	7.92	-5262.10	-3.866e+04
		-3.866e+04	-5262.10	-0.62	0.0	190.0	247.10	183.49	28.21	7.92	101.32	650.76
						380.0	247.10	136.65	28.21	7.92	5464.74	3.106e+04
82	91	7337.74	6327.42	0.02	-93.67	0.0	417.19	-7.87	41.31	8.69	-9371.20	7337.74
		-1.345e+04	-9371.20	0.05	0.0	190.0	417.19	-54.70	41.31	8.69	-1521.89	1393.05
						380.0	417.19	-101.54	41.31	8.69	6327.42	-1.345e+04
82	95	1.321e+04	8670.22	0.02	-93.67	0.0	150.24	-39.12	59.05	7.82	-1.377e+04	1.321e+04
		-1.945e+04	-1.377e+04	0.10	0.0	190.0	150.24	-85.95	59.05	7.82	-2548.49	1327.62
						380.0	150.24	-132.79	59.05	7.82	8670.22	-1.945e+04
82	96	1.218e+04	8485.39	0.02	-93.67	0.0	7.63	-33.78	57.90	5.63	-1.352e+04	1.218e+04
		-1.845e+04	-1.352e+04	0.10	0.0	190.0	7.63	-80.61	57.90	5.63	-2516.16	1311.08
						380.0	7.63	-127.44	57.90	5.63	8485.39	-1.845e+04
82	97	1.238e+04	8878.10	0.02	-93.67	0.0	135.58	-34.93	59.97	7.13	-1.391e+04	1.238e+04
		-1.869e+04	-1.391e+04	0.09	0.0	190.0	135.58	-81.76	59.97	7.13	-2517.05	1296.21
						380.0	135.58	-128.60	59.97	7.13	8878.10	-1.869e+04

82	100	1568.84 -3720.15	1595.80 -1554.29	7.20e-03 -0.04	-93.67 0.0	0.0 190.0 380.0	420.98 420.98 420.98	42.58 -4.25 -51.09	8.29 8.29 8.29	5.35 5.35 5.35	-1554.29 20.75 1595.80	-2103.51 1537.31 -3720.15
82	103	2302.08 -6745.06	2806.47 -3791.74	8.48e-03 0.01	-93.67 0.0	0.0 190.0 380.0	300.30 300.30 300.30	26.84 -19.99 -66.83	17.36 17.36 17.36	5.07 5.07 5.07	-3791.74 -492.63 2806.47	852.99 1503.11 -6745.06
82	104	2160.59 -6417.11	2895.57 -3853.88	8.61e-03 -0.02	-93.67 0.0	0.0 190.0 380.0	294.02 294.02 294.02	28.64 -18.20 -65.03	17.76 17.76 17.76	4.77 4.77 4.77	-3853.88 -479.16 2895.57	498.12 1489.65 -6417.11
82	105	1563.83 -3626.57	1438.71 -1396.50	6.75e-03 -0.04	-93.67 0.0	0.0 190.0 380.0	369.81 369.81 369.81	43.04 -3.79 -50.63	7.46 7.46 7.46	4.75 4.75 4.75	-1396.50 21.11 1438.71	-2185.19 1543.26 -3626.57
82	106	1529.80 -3298.62	1527.81 -1458.64	7.08e-03 -0.04	-93.67 0.0	0.0 190.0 380.0	363.52 363.52 363.52	44.84 -2.00 -48.83	7.86 7.86 7.86	4.46 4.46 4.46	-1458.64 34.58 1527.81	-2540.06 1529.80 -3298.62
85	3	5.746e+04 -5916.71	4058.81 -2.264e+04	-0.07 0.31	-234.71 0.0	0.0 60.0 120.0	11.40 11.40 11.40	645.53 528.17 410.81	-222.46 -222.46 -222.46	-13.91 -13.91 -13.91	4058.81 -9288.53 -2.264e+04	-5916.71 2.929e+04 5.746e+04
85	4	5.747e+04 -6166.05	4067.66 -2.272e+04	-0.07 0.31	-234.71 0.0	0.0 60.0 120.0	-9.99 -9.99 -9.99	647.65 530.29 412.94	-223.23 -223.23 -223.23	-14.14 -14.14 -14.14	4067.66 -9326.06 -2.272e+04	-6166.05 2.917e+04 5.747e+04
85	19	7.936e+04 2.603e+04	-95.59 -2914.73	-0.05 0.05	-180.55 0.0	0.0 60.0 120.0	-37.65 -37.65 -37.65	-354.12 -444.40 -534.67	-23.49 -23.49 -23.49	2.99 2.99 2.99	-95.59 -1505.16 -2914.73	7.936e+04 5.541e+04 8.868e+04
85	20	7.911e+04 2.604e+04	-86.74 -2998.65	-0.05 0.05	-180.55 0.0	0.0 60.0 120.0	-59.04 -59.04 -59.04	-352.00 -442.27 -532.55	-24.27 -24.27 -24.27	2.77 2.77 2.77	-86.74 -1542.69 -2998.65	7.911e+04 5.528e+04 2.604e+04
85	28	1.297e+05 4.227e+04	1.438e+04 -1.926e+04	-0.07 0.23	-180.55 0.0	0.0 60.0 120.0	-163.72 -163.72 -163.72	-640.88 -731.15 -821.43	-276.16 -276.16 -276.16	28.25 28.25 28.25	1.438e+04 -2439.83 -1.926e+04	1.297e+05 8.868e+04 4.227e+04
85	32	1.411e+05 4.255e+04	1.336e+04 -2.029e+04	-0.08 0.31	-180.55 0.0	0.0 60.0 120.0	-197.08 -197.08 -197.08	-738.13 -828.40 -918.67	-272.69 -272.69 -272.69	48.95 48.95 48.95	1.336e+04 -3465.85 -2.029e+04	1.411e+05 9.455e+04 4.255e+04
85	33	-6365.38 -1.934e+05	4440.92 -1.032e+04	0.05 -0.11	-180.55 0.0	0.0 60.0 120.0	239.39 239.39 239.39	1655.57 1565.29 1475.02	115.30 115.30 115.30	-62.48 -62.48 -62.48	-1.032e+04 -2939.55 4440.92	-1.934e+05 -9.717e+04 -6365.38
85	44	1.295e+05 3.947e+04	8610.02 -2.066e+04	-0.07 0.33	-180.55 0.0	0.0 60.0 120.0	-173.42 -173.42 -173.42	-669.65 -759.93 -850.20	-237.36 -237.36 -237.36	54.03 54.03 54.03	8610.02 -6023.05 -2.066e+04	1.295e+05 8.720e+04 3.947e+04
85	56	4.862e+04 2.970e+04	7617.88 -1.351e+04	-0.04 0.17	-180.55 0.0	0.0 60.0 120.0	-67.30 -67.30 -67.30	-69.21 -159.48 -249.76	-174.41 -174.41 -174.41	10.31 10.31 10.31	7617.88 -2945.06 -1.351e+04	4.862e+04 4.187e+04 2.970e+04
85	57	6478.46 -1.009e+05	-2340.51 -4580.15	0.02 0.04	-180.55 0.0	0.0 60.0 120.0	109.61 109.61 109.61	986.65 896.37 806.10	17.03 17.03 17.03	-23.83 -23.83 -23.83	-4580.15 -3460.33 -2340.51	-1.009e+05 -4.449e+04 6478.46
85	60	4.670e+04 2.953e+04	7711.71 -1.336e+04	-0.04 0.16	-180.55 0.0	0.0 60.0 120.0	-65.67 -65.67 -65.67	-54.13 -144.40 -234.68	-173.62 -173.62 -173.62	9.00 9.00 9.00	7711.71 -2823.53 -1.336e+04	4.670e+04 4.082e+04 2.953e+04
85	64	4.846e+04 2.929e+04	7215.79 -1.383e+04	-0.04 0.20	-180.55 0.0	0.0 60.0 120.0	-77.83 -77.83 -77.83	-72.88 -163.15 -253.43	-171.77 -171.77 -171.77	17.96 17.96 17.96	7215.79 -3307.03 -1.383e+04	4.846e+04 4.158e+04 2.929e+04
85	65	6892.85 -1.007e+05	-2018.65 -4178.06	0.02 7.58e-03	-180.55 0.0	0.0 60.0 120.0	120.14 120.14 120.14	990.32 900.04 809.77	14.38 14.38 14.38	-31.49 -31.49 -31.49	-4178.06 -3098.36 -2018.65	-1.007e+05 -4.420e+04 6892.85
85	76	4.276e+04 2.785e+04	4935.18 -1.406e+04	-0.04 0.20	-180.55 0.0	0.0 60.0 120.0	-66.05 -66.05 -66.05	-38.96 -129.23 -219.51	-155.19 -155.19 -155.19	19.70 19.70 19.70	4935.18 -4563.47 -1.406e+04	4.276e+04 3.802e+04 2.785e+04
85	89	3.968e+04 -6140.39	2799.98 -1.560e+04	-0.05 0.21	-180.55 0.0	0.0 60.0 120.0	10.64 10.64 10.64	472.10 381.82 291.55	-153.35 -153.35 -153.35	-9.78 -9.78 -9.78	2799.98 -6401.05 -1.560e+04	-6140.39 1.948e+04 3.968e+04
85	90	3.968e+04 -6306.61	2805.88 -1.566e+04	-0.05 0.21	-180.55 0.0	0.0 60.0 120.0	-3.62 -3.62 -3.62	473.51 383.24 292.96	-153.87 -153.87 -153.87	-9.93 -9.93 -9.93	2805.88 -6426.07 -1.566e+04	-6306.61 1.940e+04 3.968e+04
85	94	4.668e+04 2.130e+04	223.50 -3484.35	-0.03 0.06	-180.55 0.0	0.0 60.0 120.0	-20.58 -20.58 -20.58	-121.25 -211.52 -301.80	-30.90 -30.90 -30.90	0.52 0.52 0.52	223.50 -1630.42 -3484.35	4.668e+04 3.670e+04 2.130e+04
85	95	4.652e+04 2.131e+04	229.41 -3540.30	-0.04 0.05	-180.55 0.0	0.0 60.0 120.0	-34.84 -34.84 -34.84	-119.83 -210.10 -300.38	-31.41 -31.41 -31.41	0.37 0.37 0.37	229.41 -1655.45 -3540.30	4.652e+04 3.662e+04 2.131e+04
85	99	2.256e+04 -3.151e+04	1986.67 -1.027e+04	-0.03 0.13	-180.55 0.0	0.0 60.0 120.0	24.45 24.45 24.45	540.85 450.57 360.30	-102.18 -102.18 -102.18	-8.44 -8.44 -8.44	1986.67 -4144.00 -1.027e+04	-3.151e+04 -1766.75 2.256e+04
85	103	1.337e+04 -5097.09	698.43 -4215.79	-0.02 0.05	-180.55 0.0	0.0 60.0 120.0	8.85 8.85 8.85	244.18 153.90 63.63	-40.95 -40.95 -40.95	-3.29 -3.29 -3.29	698.43 -1758.68 -4215.79	-5097.09 6845.25 1.337e+04
85	105	1.139e+04 -1.804e+04	817.16 -4398.65	-0.02 0.05	-180.55 0.0	0.0 60.0	16.20 16.20	335.53 245.26	-43.47 -43.47	-4.24 -4.24	817.16 -1790.75	-1.804e+04 -618.72

						120.0	16.20	154.98	-43.47	-4.24	-4398.65	1.139e+04
85	106	1.809e+04	1518.86	-0.03	-180.55	0.0	21.15	458.72	-78.69	-6.76	1518.86	-2.612e+04
		-2.612e+04	-7924.25	0.10	0.0	60.0	21.15	368.45	-78.69	-6.76	-3202.70	-1307.53
						120.0	21.15	278.17	-78.69	-6.76	-7924.25	1.809e+04
86	3	5.727e+04	-1.901e+04	0.01	-78.24	0.0	-11.79	-456.38	-564.82	-13.91	-1.901e+04	5.727e+04
		3.745e+04	-4.161e+04	0.06	0.0	20.0	-11.79	-495.50	-564.82	-13.91	-3.031e+04	4.775e+04
						40.0	-11.79	-534.62	-564.82	-13.91	-4.161e+04	3.745e+04
86	4	5.727e+04	-1.910e+04	0.01	-78.24	0.0	-33.20	-454.11	-565.94	-14.14	-1.910e+04	5.727e+04
		3.754e+04	-4.173e+04	0.06	0.0	20.0	-33.20	-493.23	-565.94	-14.14	-3.041e+04	4.780e+04
						40.0	-33.20	-532.35	-565.94	-14.14	-4.173e+04	3.754e+04
86	12	2.011e+04	-3482.75	0.01	-60.18	0.0	-59.62	-391.04	-80.45	-0.32	-3482.75	2.011e+04
		3264.92	-6700.76	0.01	0.0	20.0	-59.62	-421.14	-80.45	-0.32	-5091.75	1.199e+04
						40.0	-59.62	-451.23	-80.45	-0.32	-6700.76	3264.92
86	19	2.609e+04	-3153.01	0.02	-60.18	0.0	-36.68	-673.37	-61.86	2.99	-3153.01	2.609e+04
		-2052.70	-5627.23	0.01	0.0	20.0	-36.68	-703.46	-61.86	2.99	-4390.12	1.232e+04
						40.0	-36.68	-733.56	-61.86	2.99	-5627.23	-2052.70
86	24	4.288e+04	-5434.72	0.04	-60.18	0.0	-192.62	-1133.84	-393.64	31.54	-5434.72	4.288e+04
		-4332.49	-2.390e+04	0.06	0.0	20.0	-192.62	-1163.93	-393.64	31.54	-1.467e+04	1.958e+04
						40.0	-192.62	-1194.03	-393.64	31.54	-2.390e+04	-4332.49
86	32	4.274e+04	-3582.49	0.04	-60.18	0.0	-217.04	-1180.80	-427.11	48.95	-3582.49	4.274e+04
		-6975.32	-2.836e+04	0.08	0.0	20.0	-217.04	-1210.89	-427.11	48.95	-1.597e+04	1.818e+04
						40.0	-217.04	-1240.98	-427.11	48.95	-2.836e+04	-6975.32
86	33	4.119e+04	-373.80	-0.04	-60.18	0.0	241.98	1196.05	36.17	-62.48	-9513.10	-6722.56
		-6722.56	-9513.10	-0.04	0.0	20.0	241.98	1165.96	36.17	-62.48	-4943.54	1.754e+04
						40.0	241.98	1135.87	36.17	-62.48	-373.80	4.119e+04
86	43	3.004e+04	3567.85	-0.02	-60.18	0.0	117.38	541.55	-81.79	-42.84	3567.85	8502.67
		8502.67	-5356.33	-0.02	0.0	20.0	117.38	511.46	-81.79	-42.84	-894.24	1.957e+04
						40.0	117.38	481.37	-81.79	-42.84	-5356.33	3.004e+04
86	44	3.955e+04	-1.336e+04	0.04	-60.18	0.0	-201.45	-1092.30	-417.89	54.03	-1.336e+04	3.955e+04
		-6942.84	-2.959e+04	0.08	0.0	20.0	-201.45	-1122.40	-417.89	54.03	-2.148e+04	1.661e+04
						40.0	-201.45	-1152.49	-417.89	54.03	-2.959e+04	-6942.84
86	56	2.979e+04	-6066.88	0.02	-60.18	0.0	-83.36	-525.94	-287.43	10.31	-6066.88	2.979e+04
		7230.67	-1.870e+04	0.04	0.0	20.0	-83.36	-556.03	-287.43	10.31	-1.238e+04	1.881e+04
						40.0	-83.36	-586.12	-287.43	10.31	-1.870e+04	7230.67
86	57	2.699e+04	-7028.72	-0.02	-60.18	0.0	108.30	541.19	-103.52	-23.83	-7028.72	6220.76
		6220.76	-1.003e+04	-9.44e-04	0.0	20.0	108.30	511.10	-103.52	-23.83	-8530.59	1.690e+04
						40.0	108.30	481.01	-103.52	-23.83	-1.003e+04	2.699e+04
86	64	2.934e+04	-5191.61	0.02	-60.18	0.0	-90.76	-523.28	-301.74	17.96	-5191.61	2.934e+04
		6574.39	-2.076e+04	0.05	0.0	20.0	-90.76	-553.37	-301.74	17.96	-1.298e+04	1.826e+04
						40.0	-90.76	-583.46	-301.74	17.96	-2.076e+04	6574.39
86	65	2.764e+04	-7903.99	-0.02	-60.18	0.0	115.70	538.53	-89.20	-31.49	-7903.99	6671.31
		6671.31	-7970.73	-8.35e-03	0.0	20.0	115.70	508.44	-89.20	-31.49	-7937.36	1.746e+04
						40.0	115.70	478.35	-89.20	-31.49	-7970.73	2.764e+04
86	75	2.274e+04	-1596.13	-0.01	-60.18	0.0	58.90	241.67	-146.66	-22.16	-1596.13	1.368e+04
		1.368e+04	-1.033e+04	3.66e-03	0.0	20.0	58.90	211.58	-146.66	-22.16	-5963.84	1.851e+04
						40.0	58.90	181.49	-146.66	-22.16	-1.033e+04	2.274e+04
86	76	2.786e+04	-9935.24	0.02	-60.18	0.0	-83.11	-480.01	-294.72	19.70	-9935.24	2.786e+04
		6612.45	-2.126e+04	0.05	0.0	20.0	-83.11	-510.10	-294.72	19.70	-1.560e+04	1.754e+04
						40.0	-83.11	-540.19	-294.72	19.70	-2.126e+04	6612.45
86	89	3.954e+04	-1.310e+04	8.92e-03	-60.18	0.0	-5.35	-301.40	-388.70	-9.78	-1.310e+04	3.954e+04
		2.628e+04	-2.865e+04	0.04	0.0	20.0	-5.35	-331.49	-388.70	-9.78	-2.088e+04	3.321e+04
						40.0	-5.35	-361.58	-388.70	-9.78	-2.865e+04	2.628e+04
86	90	3.955e+04	-1.316e+04	8.74e-03	-60.18	0.0	-19.62	-299.89	-389.44	-9.93	-1.316e+04	3.955e+04
		2.635e+04	-2.874e+04	0.04	0.0	20.0	-19.62	-329.98	-389.44	-9.93	-2.095e+04	3.325e+04
						40.0	-19.62	-360.07	-389.44	-9.93	-2.874e+04	2.635e+04
86	91	1.734e+04	-3604.68	8.64e-03	-60.18	0.0	-36.86	-253.74	-90.79	-1.68	-3604.68	1.734e+04
		5982.99	-7236.28	0.01	0.0	20.0	-36.86	-283.84	-90.79	-1.68	-5420.48	1.96e+04
						40.0	-36.86	-313.93	-90.79	-1.68	-7236.28	5982.99
86	94	2.132e+04	-3384.85	0.02	-60.18	0.0	-21.56	-441.96	-78.39	0.52	-3384.85	2.132e+04
		2437.91	-6520.60	0.01	0.0	20.0	-21.56	-472.05	-78.39	0.52	-4952.73	1.218e+04
						40.0	-21.56	-502.15	-78.39	0.52	-6520.60	2437.91
86	99	2.245e+04	-8469.24	-1.70e-03	-60.18	0.0	13.06	-1.30	-255.35	-8.44	-8469.24	2.245e+04
		2.119e+04	-1.868e+04	0.03	0.0	20.0	13.06	-31.39	-255.35	-8.44	-1.358e+04	2.212e+04
						40.0	13.06	-61.48	-255.35	-8.44	-1.868e+04	2.119e+04
86	103	1.334e+04	-3609.49	2.47e-03	-60.18	0.0	4.96	-71.58	-100.20	-3.29	-3609.49	1.334e+04
		9271.45	-7617.57	0.01	0.0	20.0	4.96	-101.67	-100.20	-3.29	-5613.53	1.161e+04
						40.0	4.96	-131.76	-100.20	-3.29	-7617.57	9271.45
86	105	1.149e+04	-3665.64	-1.10e-03	-60.18	0.0	11.58	21.01	-105.65	-4.24	-3665.64	1.134e+04
		1.098e+04	-7891.81	9.87e-03	0.0	20.0	11.58	-9.08	-105.65	-4.24	-5778.73	1.146e+04
						40.0	11.58	-39.17	-105.65	-4.24	-7891.81	1.098e+04
86	106	1.803e+04	-6547.80	-1.46e-03	-60.18	0.0	12.47	7.63	-195.47	-6.76	-6547.80	1.801e+04
		1.711e+04	-1.437e+04	0.02	0.0	20.0	12.47	-22.47	-195.47	-6.76	-1.046e+04	1.786e+04
						40.0	12.47	-52.56	-195.47	-6.76	-1.437e+04	1.711e+04
87	3	3.753e+04	2152.67	0.06	-234.71	0.0	-13.16	-1130.51	361.55	-13.91	-4.123e+04	3.753e+04
		-1.122e+05	-4.123e+04	-0.03	0.0	60.0	-13.16	-1247.86	361.55	-13.91	-1.954e+04	-3.382e+04
						120.0	-13.16	-1365.22	361.55	-13.91	2152.67	-1.122e+05
87	4	3.763e+04	2163.22	0.06	-234.71	0.0	-34.57	-1127.18	362.70	-14.14	-4.136e+04	3.763e+04

		-1.117e+05	-4.136e+04	-0.03	0.0	60.0	-34.57	-1244.54	362.70	-14.14	-1.960e+04	-3.352e+04
						120.0	-34.57	-1361.90	362.70	-14.14	2163.22	-1.117e+05
87	12	3271.57	1031.66	0.02	-180.55	0.0	-58.84	-541.06	65.28	-0.32	-6802.45	3271.57
		-7.249e+04	-6802.45	3.45e-03	0.0	60.0	-58.84	-631.33	65.28	-0.32	-2885.40	-3.190e+04
						120.0	-58.84	-721.61	65.28	-0.32	1031.66	-7.249e+04
87	17	2.319e+04	2311.49	0.05	-234.71	0.0	-32.96	-1254.86	277.27	-7.28	-3.096e+04	2.319e+04
		-1.415e+05	-3.096e+04	-0.02	0.0	60.0	-32.96	-1372.22	277.27	-7.28	-1.432e+04	-5.562e+04
						120.0	-32.96	-1489.58	277.27	-7.28	2311.49	-1.415e+05
87	18	2.328e+04	2322.04	0.05	-234.71	0.0	-54.37	-1251.54	278.42	-7.50	-3.109e+04	2.328e+04
		-1.410e+05	-3.109e+04	-0.02	0.0	60.0	-54.37	-1368.89	278.42	-7.50	-1.438e+04	-5.533e+04
						120.0	-54.37	-1486.25	278.42	-7.50	2322.04	-1.410e+05
87	24	-4346.83	-6476.69	0.05	-180.55	0.0	-272.21	-1389.40	-14.68	31.54	-6476.69	-4346.83
		-1.814e+05	-1.156e+04	0.07	0.0	60.0	-272.21	-1479.68	-14.68	31.54	-9018.83	-9.015e+04
						120.0	-272.21	-1569.95	-14.68	31.54	-1.156e+04	-1.814e+05
87	25	1.389e+05	1.261e+04	0.04	-180.55	0.0	295.37	930.32	259.71	-45.07	-2.187e+04	3.862e+04
		3.862e+04	-2.187e+04	-0.10	0.0	60.0	295.37	840.05	259.71	-45.07	-4630.63	9.146e+04
						120.0	295.37	749.77	259.71	-45.07	1.261e+04	1.389e+05
87	29	1.354e+05	1.268e+04	0.04	-180.55	0.0	290.22	908.58	258.74	-41.78	-2.204e+04	3.769e+04
		3.769e+04	-2.204e+04	-0.10	0.0	60.0	290.22	818.30	258.74	-41.78	-4678.23	8.927e+04
						120.0	290.22	728.03	258.74	-41.78	1.268e+04	1.354e+05
87	32	-6911.82	-5674.81	0.05	-180.55	0.0	-271.96	-1405.66	0.52	48.95	-5674.81	-6911.82
		-1.854e+05	-1.043e+04	0.10	0.0	60.0	-271.96	-1495.94	0.52	48.95	-8051.85	-9.343e+04
						120.0	-271.96	-1586.21	0.52	48.95	-1.043e+04	-1.854e+05
87	33	1.429e+05	1.148e+04	0.05	-180.55	0.0	295.12	946.58	244.51	-62.48	-2.268e+04	4.119e+04
		4.119e+04	-2.268e+04	-0.14	0.0	60.0	295.12	856.31	244.51	-62.48	-5597.61	9.475e+04
						120.0	295.12	766.03	244.51	-62.48	1.148e+04	1.429e+05
87	34	7.703e+04	8463.69	0.04	-180.55	0.0	182.01	484.43	305.76	-33.41	-2.905e+04	3.015e+04
		3.015e+04	-2.905e+04	-0.08	0.0	60.0	182.01	394.15	305.76	-33.41	-1.029e+04	5.630e+04
						120.0	182.01	303.88	305.76	-33.41	8463.69	7.703e+04
87	56	7232.26	-5276.32	0.03	-180.55	0.0	-121.68	-775.13	56.60	10.31	-1.045e+04	7232.26
		-9.635e+04	-1.045e+04	0.02	0.0	60.0	-121.68	-865.41	56.60	10.31	-7861.34	-4.185e+04
						120.0	-121.68	-955.68	56.60	10.31	-5276.32	-9.635e+04
87	57	5.387e+04	6328.97	0.03	-180.55	0.0	144.84	316.06	188.43	-23.83	-1.791e+04	2.704e+04
		2.704e+04	-1.791e+04	-0.06	0.0	60.0	144.84	225.78	188.43	-23.83	-5788.11	4.317e+04
						120.0	144.84	135.51	188.43	-23.83	6328.97	5.387e+04
87	61	5.230e+04	6362.75	0.03	-180.55	0.0	142.70	305.95	187.96	-22.53	-1.795e+04	2.662e+04
		2.662e+04	-1.795e+04	-0.05	0.0	60.0	142.70	215.68	187.96	-22.53	-5795.22	4.217e+04
						120.0	142.70	125.40	187.96	-22.53	6362.75	5.230e+04
87	66	2.577e+04	4337.00	0.03	-180.55	0.0	89.58	95.24	210.86	-18.93	-2.123e+04	2.285e+04
		2.285e+04	-2.123e+04	-0.04	0.0	60.0	89.58	4.97	210.86	-18.93	-8445.70	2.577e+04
						120.0	89.58	-85.31	210.86	-18.93	4337.00	2.577e+04
87	89	2.634e+04	1471.09	0.04	-180.55	0.0	-6.31	-767.69	248.86	-9.78	-2.839e+04	2.634e+04
		-7.662e+04	-2.839e+04	-0.02	0.0	60.0	-6.31	-857.96	248.86	-9.78	-1.346e+04	-2.243e+04
						120.0	-6.31	-948.24	248.86	-9.78	1471.09	-7.662e+04
87	90	2.640e+04	1478.13	0.04	-180.55	0.0	-20.59	-765.47	249.62	-9.93	-2.848e+04	2.640e+04
		-7.629e+04	-2.848e+04	-0.02	0.0	60.0	-20.59	-855.75	249.62	-9.93	-1.350e+04	-2.223e+04
						120.0	-20.59	-946.02	249.62	-9.93	1478.13	-7.629e+04
87	91	5992.60	801.73	0.02	-180.55	0.0	-36.52	-403.43	67.24	-1.68	-7266.68	5992.60
		-5.325e+04	-7266.68	-5.02e-03	0.0	60.0	-36.52	-493.71	67.24	-1.68	-3232.48	-2.092e+04
						120.0	-36.52	-583.98	67.24	-1.68	801.73	-5.325e+04
87	96	1.678e+04	1576.97	0.04	-180.55	0.0	-19.51	-850.59	192.67	-5.36	-2.154e+04	1.678e+04
		-9.613e+04	-2.154e+04	-0.01	0.0	60.0	-19.51	-940.87	192.67	-5.36	-9983.17	-3.697e+04
						120.0	-19.51	-1031.14	192.67	-5.36	1576.97	-9.613e+04
87	97	1.684e+04	1584.01	0.04	-180.55	0.0	-33.78	-848.37	193.43	-5.51	-2.163e+04	1.684e+04
		-9.580e+04	-2.163e+04	-0.01	0.0	60.0	-33.78	-938.65	193.43	-5.51	-1.002e+04	-3.677e+04
						120.0	-33.78	-1028.92	193.43	-5.51	1584.01	-9.580e+04
87	99	2.123e+04	663.01	0.03	-180.55	0.0	11.91	-301.50	159.15	-8.44	-1.843e+04	2.123e+04
		-2.578e+04	-1.843e+04	-0.02	0.0	60.0	11.91	-391.78	159.15	-8.44	-8885.81	433.70
						120.0	11.91	-482.05	159.15	-8.44	663.01	-2.578e+04
87	103	9284.65	476.75	0.01	-180.55	0.0	4.73	-217.02	66.95	-3.29	-7557.47	9284.65
		-2.759e+04	-7557.47	-8.26e-03	0.0	60.0	4.73	-307.29	66.95	-3.29	-3540.36	-6444.61
						120.0	4.73	-397.57	66.95	-3.29	476.75	-2.759e+04
87	104	1.543e+04	681.78	0.02	-180.55	0.0	5.23	-324.96	121.90	-5.81	-1.395e+04	1.543e+04
		-3.440e+04	-1.395e+04	-0.01	0.0	60.0	5.23	-415.24	121.90	-5.81	-6631.98	-6778.87
						120.0	5.23	-505.51	121.90	-5.81	681.78	-3.440e+04
87	105	1.099e+04	321.29	0.01	-180.55	0.0	11.08	-121.59	67.57	-4.24	-7787.50	1.099e+04
		-1.443e+04	-7787.50	-0.01	0.0	60.0	11.08	-211.87	67.57	-4.24	-3733.10	990.80
						120.0	11.08	-302.14	67.57	-4.24	321.29	-1.443e+04
87	106	1.714e+04	526.32	0.02	-180.55	0.0	11.58	-229.54	122.52	-6.76	-1.418e+04	1.714e+04
		-2.124e+04	-1.418e+04	-0.02	0.0	60.0	11.58	-319.81	122.52	-6.76	-6824.73	656.54
						120.0	11.58	-410.09	122.52	-6.76	526.32	-2.124e+04
91	3	7.772e+04	1445.89	0.08	-1044.56	0.0	128.63	-1349.62	1.01	3.74	1324.58	7.772e+04
		-1.469e+05	1324.58	-3.61e-03	0.0	60.0	128.63	-1871.89	1.01	3.74	1385.23	-1.892e+04
						120.0	128.63	-2394.17	1.01	3.74	1445.89	-1.469e+05
91	4	7.753e+04	1406.29	0.08	-1044.56	0.0	131.61	-1346.23	0.68	4.20	1324.14	7.753e+04
		-1.467e+05	1324.14	-3.44e-03	0.0	60.0	131.61	-1868.50	0.68	4.20	1365.22	-1.891e+04
						120.0	131.61	-2390.78	0.68	4.20	1406.29	-1.467e+05

91	5	1.430e+04	971.02	0.02	-303.86	0.0	35.05	-312.24	-8.16	1.71	971.02	1.430e+04
		-4.140e+04	-8.11	0.01	0.0	60.0	35.05	-464.17	-8.16	1.71	481.45	-8992.31
						120.0	35.05	-616.10	-8.16	1.71	-8.11	-4.140e+04
91	17	5.943e+04	1821.22	0.06	-860.96	0.0	110.36	-1104.93	-8.14	3.75	1821.22	5.943e+04
		-1.248e+05	844.53	0.01	0.0	60.0	110.36	-1535.41	-8.14	3.75	1332.88	-1.978e+04
						120.0	110.36	-1965.89	-8.14	3.75	844.53	-1.248e+05
91	20	1.301e+04	1563.91	0.02	-303.86	0.0	45.12	-345.35	-15.07	2.68	1563.91	1.301e+04
		-4.666e+04	-245.00	0.02	0.0	60.0	45.12	-497.29	-15.07	2.68	659.46	-1.227e+04
						120.0	45.12	-649.22	-15.07	2.68	-245.00	-4.666e+04
91	28	1.486e+04	2009.18	0.05	-442.58	0.0	58.99	-1404.69	-75.22	13.66	2009.18	1.486e+04
		-1.837e+05	-8087.28	0.15	0.0	60.0	58.99	-1625.98	-75.22	13.66	-3039.05	-7.777e+04
						120.0	58.99	-1847.27	-75.22	13.66	-8087.28	-1.837e+05
91	29	7.738e+04	9219.77	0.04	-442.58	0.0	25.17	494.93	82.19	-11.03	-1712.18	4.113e+04
		4.113e+04	-1712.18	-0.16	0.0	60.0	25.17	273.64	82.19	-11.03	3753.80	6.590e+04
						120.0	25.17	52.35	82.19	-11.03	9219.77	7.738e+04
91	32	1.932e+04	2305.16	0.05	-442.58	0.0	83.55	-1168.61	-129.79	22.43	2305.16	1.932e+04
		-1.492e+05	-1.408e+04	0.24	0.0	60.0	83.55	-1389.90	-129.79	22.43	-5888.00	-5.832e+04
						120.0	83.55	-1611.19	-129.79	22.43	-1.408e+04	-1.492e+05
91	33	4.682e+04	1.521e+04	0.03	-442.58	0.0	0.61	258.85	136.75	-19.79	-2008.16	3.667e+04
		3.667e+04	-2008.16	-0.25	0.0	60.0	0.61	37.56	136.75	-19.79	6002.75	4.645e+04
						120.0	0.61	-183.73	136.75	-19.79	1.521e+04	4.296e+04
91	51	1.795e+04	6959.36	0.02	-442.58	0.0	186.56	-186.61	62.53	-8.74	-633.13	1.795e+04
		-1.839e+04	-633.13	-0.11	0.0	60.0	186.56	-407.90	62.53	-8.74	3163.11	6421.11
						120.0	186.56	-629.19	62.53	-8.74	6959.36	-1.839e+04
91	54	3.804e+04	930.13	0.04	-442.58	0.0	-102.41	-723.15	-55.57	11.38	930.13	3.804e+04
		-8.791e+04	-5826.87	0.10	0.0	60.0	-102.41	-944.44	-55.57	11.38	-2448.37	-1.830e+04
						120.0	-102.41	-1165.73	-55.57	11.38	-5826.87	-8.791e+04
91	60	2.167e+04	1022.81	0.04	-442.58	0.0	49.85	-907.78	-33.51	6.78	1022.81	2.167e+04
		-1.155e+05	-3523.66	0.06	0.0	60.0	49.85	-1129.07	-33.51	6.78	-1250.42	-4.028e+04
						120.0	49.85	-1350.36	-33.51	6.78	-3523.66	-1.155e+05
91	62	3.630e+04	1855.37	0.03	-442.58	0.0	-1.95	-124.66	14.93	-0.24	-374.05	3.630e+04
		-7083.69	-374.05	-0.03	0.0	60.0	-1.95	-345.95	14.93	-0.24	740.66	2.125e+04
						120.0	-1.95	-567.24	14.93	-0.24	1855.37	-7083.69
91	64	2.383e+04	1131.51	0.03	-442.58	0.0	61.65	-785.88	-59.27	10.60	1131.51	2.383e+04
		-9.798e+04	-6366.62	0.10	0.0	60.0	61.65	-1007.17	-59.27	10.60	-2617.55	-3.043e+04
						120.0	61.65	-1228.46	-59.27	10.60	-6366.62	-9.798e+04
91	65	3.215e+04	7499.11	0.03	-442.58	0.0	22.50	-123.88	66.23	-7.96	-834.51	3.215e+04
		-8310.99	-834.51	-0.11	0.0	60.0	22.50	-345.17	66.23	-7.96	3332.30	1.856e+04
						120.0	22.50	-566.46	66.23	-7.96	7499.11	-8310.99
91	83	2.316e+04	3590.59	0.02	-442.58	0.0	113.05	-331.21	31.28	-3.11	-202.50	2.316e+04
		-3.704e+04	-202.50	-0.05	0.0	60.0	113.05	-552.50	31.28	-3.11	1694.04	-297.07
						120.0	113.05	-773.79	31.28	-3.11	3590.59	-3.704e+04
91	86	3.282e+04	499.50	0.03	-442.58	0.0	-28.89	-578.54	-24.32	5.74	499.50	3.282e+04
		-6.926e+04	-2458.10	0.04	0.0	60.0	-28.89	-799.83	-24.32	5.74	-979.30	-1.158e+04
						120.0	-28.89	-1021.12	-24.32	5.74	-2458.10	-6.926e+04
91	87	1.543e+04	677.37	0.02	-320.18	0.0	32.26	-303.92	-4.81	1.49	677.37	1.543e+04
		-4.025e+04	99.58	7.19e-03	0.0	60.0	32.26	-464.01	-4.81	1.49	388.47	-7607.67
						120.0	32.26	-624.10	-4.81	1.49	99.58	-4.025e+04
91	89	5.363e+04	997.48	0.06	-728.18	0.0	88.61	-928.78	0.88	2.61	997.48	5.363e+04
		-1.015e+05	892.25	-2.68e-03	0.0	60.0	88.61	-1292.87	0.88	2.61	944.86	-1.302e+04
						120.0	88.61	-1656.96	0.88	2.61	997.48	-1.015e+05
91	90	5.351e+04	971.09	0.06	-728.18	0.0	90.60	-926.52	0.66	2.91	971.09	5.351e+04
		-1.014e+05	891.95	-2.57e-03	0.0	60.0	90.60	-1290.61	0.66	2.91	931.52	-1.301e+04
						120.0	90.60	-1654.70	0.66	2.91	971.09	-1.014e+05
91	95	1.457e+04	1072.63	0.02	-320.18	0.0	38.97	-326.00	-9.42	2.13	1072.63	1.457e+04
		-4.376e+04	-58.35	0.01	0.0	60.0	38.97	-486.09	-9.42	2.13	507.14	-9792.67
						120.0	38.97	-646.18	-9.42	2.13	-58.35	-4.376e+04
91	96	4.144e+04	1223.34	0.04	-605.78	0.0	76.43	-765.66	-5.22	2.61	1223.34	4.144e+04
		-8.679e+04	596.58	7.31e-03	0.0	60.0	76.43	-1068.55	-5.22	2.61	909.96	-1.359e+04
						120.0	76.43	-1371.44	-5.22	2.61	596.58	-8.679e+04
91	98	1.653e+04	296.88	0.02	-320.18	0.0	25.17	-267.42	1.77	0.98	296.88	1.653e+04
		-3.477e+04	84.04	-2.90e-03	0.0	60.0	25.17	-427.51	1.77	0.98	190.46	-4314.34
						120.0	25.17	-587.60	1.77	0.98	296.88	-3.477e+04
91	99	3.563e+04	745.83	0.04	-524.18	0.0	53.35	-579.85	4.62	1.54	745.83	3.563e+04
		-6.540e+04	191.47	-7.62e-03	0.0	60.0	53.35	-841.94	4.62	1.54	468.65	-7018.74
						120.0	53.35	-1104.03	4.62	1.54	745.83	-6.540e+04
91	100	1.648e+04	286.32	0.02	-320.18	0.0	25.97	-266.52	1.69	1.10	286.32	1.648e+04
		-3.471e+04	83.92	-2.85e-03	0.0	60.0	25.97	-426.61	1.69	1.10	185.12	-4310.12
						120.0	25.97	-586.70	1.69	1.10	286.32	-3.471e+04
91	105	1.653e+04	296.88	0.02	-320.18	0.0	25.17	-267.42	1.77	0.98	296.88	1.653e+04
		-3.477e+04	84.04	-2.90e-03	0.0	60.0	25.17	-427.51	1.77	0.98	190.46	-4314.34
						120.0	25.17	-587.60	1.77	0.98	296.88	-3.477e+04
91	106	2.799e+04	566.25	0.03	-442.58	0.0	42.08	-454.88	3.48	1.32	566.25	2.799e+04
		-5.315e+04	148.50	-5.73e-03	0.0	60.0	42.08	-676.17	3.48	1.32	357.37	-5936.98
						120.0	42.08	-897.46	3.48	1.32	566.25	-5.315e+04
92	3	7.754e+04	1135.55	-0.10	-1392.74	0.0	50.74	1636.95	39.65	3.74	-5209.01	-7.295e+04
		-7.295e+04	-5209.01	-4.20e-03	0.0	80.0	50.74	940.58	39.65	3.74	-2036.73	3.015e+04

92	4	7.735e+04	1134.94	-0.10	-1392.74	160.0	50.74	244.20	39.65	3.74	1135.55	7.754e+04
		-7.385e+04	-5176.00	-3.94e-03	0.0	0.0	56.06	1641.39	39.44	4.20	-5176.00	-7.385e+04
						80.0	56.06	945.02	39.44	4.20	-2020.53	2.961e+04
92	17	5.949e+04	1952.38	-0.08	-1147.94	160.0	56.06	248.65	39.44	4.20	1134.94	7.735e+04
		-5.056e+04	-7194.12	0.02	0.0	0.0	39.43	1261.79	57.17	3.75	-7194.12	-5.056e+04
						80.0	39.43	687.82	57.17	3.75	-2620.87	2.743e+04
92	19	1.502e+04	1992.53	-0.02	-405.15	160.0	39.43	113.85	57.17	3.75	1952.38	5.949e+04
		-4772.85	-6198.65	0.03	0.0	0.0	11.43	316.82	51.19	2.22	-6198.65	-4772.85
						80.0	11.43	114.25	51.19	2.22	-2103.06	1.247e+04
92	28	1.075e+05	9155.55	-0.08	-590.11	160.0	11.43	-88.33	51.19	2.22	1992.53	1.351e+04
		1.017e+04	-2203.86	0.25	0.0	0.0	51.69	-312.81	-69.63	13.66	9155.55	1.075e+05
						80.0	51.69	-607.86	-69.63	13.66	3475.84	7.065e+04
92	29	4.554e+04	2151.27	0.04	-590.11	160.0	51.69	-902.91	-69.63	13.66	-2203.86	1.017e+04
		-1.716e+05	-1.023e+04	-0.26	0.0	0.0	-5.60	1651.45	76.03	-11.03	-1.023e+04	-1.716e+05
						80.0	-5.60	1356.39	76.03	-11.03	-4040.46	-5.123e+04
92	32	6.946e+04	1.588e+04	-0.06	-590.11	160.0	-5.60	1061.34	76.03	-11.03	2151.27	4.554e+04
		1.521e+04	-3720.93	0.40	0.0	0.0	63.40	-42.13	-121.86	22.43	1.588e+04	6.946e+04
						80.0	63.40	-337.19	-121.86	22.43	6079.84	5.414e+04
92	33	4.049e+04	3668.34	-0.04	-590.11	160.0	63.40	-632.24	-121.86	22.43	-3720.93	1.521e+04
		-1.335e+05	-1.696e+04	-0.42	0.0	0.0	-17.30	1380.77	128.26	-19.79	-1.696e+04	-1.335e+05
						80.0	-17.30	1085.72	128.26	-19.79	-6644.46	-3.471e+04
92	43	3.147e+04	1885.84	-0.03	-590.11	160.0	-17.30	790.66	128.26	-19.79	3668.34	4.049e+04
		-6.666e+04	-8252.43	-0.16	0.0	0.0	109.01	906.71	63.30	-12.25	-8252.43	-6.666e+04
						80.0	109.01	611.65	63.30	-12.25	-3183.29	-5793.21
92	46	2.768e+04	7175.78	-0.05	-590.11	160.0	109.01	316.60	63.30	-12.25	1885.84	3.147e+04
		2601.19	-1938.43	0.14	0.0	0.0	-62.91	431.93	-56.90	14.88	7175.78	2601.19
						80.0	-62.91	136.88	-56.90	14.88	2618.67	2.522e+04
92	60	4.007e+04	4055.65	-0.05	-590.11	160.0	-62.91	-158.17	-56.90	14.88	-1938.43	2.424e+04
		1.936e+04	-1043.03	0.11	0.0	0.0	36.66	199.30	-31.21	6.78	4055.65	3.473e+04
						80.0	36.66	-95.76	-31.21	6.78	1506.31	3.884e+04
92	61	3.635e+04	990.44	-0.04	-590.11	160.0	36.66	-390.81	-31.21	6.78	-1043.03	1.936e+04
		-9.879e+04	-5132.30	-0.12	0.0	0.0	9.43	1139.34	37.61	-4.14	-5132.30	-9.879e+04
						80.0	9.43	844.29	37.61	-4.14	-1070.93	-1.942e+04
92	64	3.070e+04	7256.38	-0.05	-590.11	160.0	9.43	549.23	37.61	-4.14	990.44	3.635e+04
		1.556e+04	-1756.41	0.18	0.0	0.0	42.49	335.08	-56.04	10.60	7256.38	1.556e+04
						80.0	42.49	40.02	-56.04	10.60	2749.99	3.049e+04
92	65	3.388e+04	1703.82	-0.04	-590.11	160.0	42.49	-255.03	-56.04	10.60	-1756.41	2.183e+04
		-7.962e+04	-8333.03	-0.19	0.0	0.0	3.60	1003.56	62.44	-7.96	-8333.03	-7.962e+04
						80.0	3.60	708.51	62.44	-7.96	-3314.61	-1.107e+04
92	75	2.958e+04	822.23	-0.03	-590.11	160.0	3.60	413.45	62.44	-7.96	1703.82	3.388e+04
		-4.791e+04	-4024.44	-0.07	0.0	0.0	63.64	778.68	30.26	-4.48	-4024.44	-4.791e+04
						80.0	63.64	483.62	30.26	-4.48	-1601.10	2634.59
92	78	2.625e+04	2947.79	-0.04	-590.11	160.0	63.64	188.57	30.26	-4.48	822.23	2.958e+04
		-1.615e+04	-874.82	0.05	0.0	0.0	-17.54	559.96	-23.86	7.11	2947.79	-1.615e+04
						80.0	-17.54	264.91	-23.86	7.11	1036.48	1.679e+04
92	89	5.350e+04	755.84	-0.07	-970.91	160.0	-17.54	-30.14	-23.86	7.11	-874.82	2.613e+04
		-5.089e+04	-3505.60	-3.30e-03	0.0	0.0	35.70	1137.92	26.63	2.61	-3505.60	-5.089e+04
						80.0	35.70	652.46	26.63	2.61	-1374.88	2.073e+04
92	90	5.338e+04	755.43	-0.07	-970.91	160.0	35.70	167.01	26.63	2.61	755.84	5.350e+04
		-5.149e+04	-3483.59	-3.13e-03	0.0	0.0	39.26	1140.88	26.49	2.91	-3483.59	-5.149e+04
						80.0	39.26	655.43	26.49	2.91	-1364.08	2.036e+04
92	94	1.539e+04	1321.50	-0.02	-426.91	160.0	39.26	169.97	26.49	2.91	755.43	5.338e+04
		-1.085e+04	-4231.16	0.02	0.0	0.0	13.58	374.23	34.70	1.83	-4231.16	-1.085e+04
						80.0	13.58	160.77	34.70	1.83	-1454.83	1.055e+04
92	96	4.147e+04	1300.39	-0.06	-807.71	160.0	13.58	-52.68	34.70	1.83	1321.50	1.487e+04
		-3.596e+04	-4829.00	9.57e-03	0.0	0.0	28.17	887.81	38.31	2.61	-4829.00	-3.596e+04
						80.0	28.17	483.96	38.31	2.61	-1764.31	1.891e+04
92	99	3.545e+04	-32.33	-0.05	-698.91	160.0	28.17	80.11	38.31	2.61	1300.39	4.147e+04
		-3.920e+04	-709.14	-0.01	0.0	0.0	27.22	816.06	4.23	1.54	-709.14	-3.920e+04
						80.0	27.22	466.60	4.23	1.54	-370.73	1.210e+04
92	103	1.614e+04	250.50	-0.02	-426.91	160.0	27.22	117.15	4.23	1.54	-32.33	3.545e+04
		-1.919e+04	-1071.92	1.30e-03	0.0	0.0	16.15	434.22	8.27	1.15	-1071.92	-1.919e+04
						80.0	16.15	220.76	8.27	1.15	-410.71	7013.71
92	104	2.754e+04	241.45	-0.04	-590.11	160.0	16.15	7.31	8.27	1.15	250.50	1.614e+04
		-2.995e+04	-1328.14	-3.32e-03	0.0	0.0	22.40	654.32	9.81	1.49	-1328.14	-2.995e+04
						80.0	22.40	359.27	9.81	1.49	-543.34	1.060e+04
92	105	1.645e+04	-17.25	-0.02	-426.91	160.0	22.40	64.21	9.81	1.49	241.45	2.754e+04
		-2.127e+04	-282.11	-3.98e-03	0.0	0.0	16.80	449.21	1.66	0.98	-282.11	-2.127e+04
						80.0	16.80	235.76	1.66	0.98	-149.68	6130.07
92	106	2.785e+04	-26.30	-0.04	-590.11	160.0	16.80	22.30	1.66	0.98	-17.25	1.645e+04
		-3.203e+04	-538.33	-7.83e-03	0.0	0.0	23.05	669.32	3.20	1.32	-538.33	-3.203e+04
						80.0	23.05	374.27	3.20	1.32	-282.31	9713.57
93	3	2.833e+04	-2525.28	-1.11e-03	-5.71	160.0	23.05	79.21	3.20	1.32	-26.30	2.785e+04
		7800.11	-4812.32	0.07	0.0	0.0	-2450.88	-1023.79	114.35	783.51	-4812.32	2.833e+04
						10.0	-2450.88	-1026.65	114.35	783.51	-3668.80	1.808e+04
93	4	2.816e+04	-2527.85	-1.09e-03	-5.71	20.0	-2450.88	-1029.51	114.35	783.51	-2525.28	7800.11
						0.0	-2455.76	-1025.34	114.46	784.32	-4817.14	2.816e+04

		7597.17	-4817.14	0.07	0.0	10.0	-2455.76	-1028.20	114.46	784.32	-3672.49	1.789e+04
						20.0	-2455.76	-1031.06	114.46	784.32	-2527.85	7597.17
93	5	3980.63	-430.17	5.40e-05	-4.40	0.0	-458.12	-195.42	18.73	133.61	-804.80	3980.63
		28.32	-804.80	0.01	0.0	10.0	-458.12	-197.62	18.73	133.61	-617.48	2015.47
						20.0	-458.12	-199.81	18.73	133.61	-430.17	28.32
93	20	2942.19	-434.11	1.31e-04	-4.40	0.0	-484.85	-203.29	18.28	135.16	-799.62	2942.19
		-1167.60	-799.62	0.01	0.0	10.0	-484.85	-205.49	18.28	135.16	-616.87	898.28
						20.0	-484.85	-207.69	18.28	135.16	-434.11	-1167.60
93	24	-1.369e+04	-1573.03	2.05e-03	-4.40	0.0	-1441.83	-542.26	68.44	487.09	-2839.87	-1.369e+04
		-2.455e+04	-2839.87	0.04	0.0	10.0	-1441.83	-544.45	68.44	487.09	-2206.45	-1.911e+04
						20.0	-1441.83	-546.65	68.44	487.09	-1573.03	-2.455e+04
93	25	3.353e+04	-83.57	-2.56e-03	-4.40	0.0	-168.02	-144.07	7.25	26.22	-330.52	3.353e+04
		3.057e+04	-330.52	2.59e-03	0.0	10.0	-168.02	-146.27	7.25	26.22	-207.04	3.206e+04
						20.0	-168.02	-148.47	7.25	26.22	-83.57	3.057e+04
93	44	-6270.88	-2169.41	1.60e-03	-4.40	0.0	-1287.17	-505.86	95.59	671.62	-3773.31	-6270.88
		-1.633e+04	-3773.31	0.06	0.0	10.0	-1287.17	-508.06	95.59	671.62	-2971.36	-1.129e+04
						20.0	-1287.17	-510.26	95.59	671.62	-2169.41	-1.633e+04
93	45	2.611e+04	602.92	-2.11e-03	-4.40	0.0	-322.68	-180.46	-19.90	-158.31	602.92	2.611e+04
		2.235e+04	512.81	-0.01	0.0	10.0	-322.68	-182.66	-19.90	-158.31	557.87	2.424e+04
						20.0	-322.68	-184.86	-19.90	-158.31	512.81	2.235e+04
93	56	-1315.69	-1158.94	8.32e-04	-4.40	0.0	-1106.05	-436.91	51.69	358.93	-2132.58	-1315.69
		-1.008e+04	-2132.58	0.03	0.0	10.0	-1106.05	-439.11	51.69	358.93	-1645.76	-5686.87
						20.0	-1106.05	-441.30	51.69	358.93	-1158.94	-1.008e+04
93	57	2.115e+04	-497.66	-1.34e-03	-4.40	0.0	-503.81	-249.42	24.00	154.38	-1037.80	2.115e+04
		1.610e+04	-1037.80	0.01	0.0	10.0	-503.81	-251.61	24.00	154.38	-767.73	1.864e+04
						20.0	-503.81	-253.81	24.00	154.38	-497.66	1.610e+04
93	76	2499.89	-1429.93	5.79e-04	-4.40	0.0	-1022.45	-416.05	64.52	442.72	-2538.69	2499.89
		-5815.20	-2538.69	0.04	0.0	10.0	-1022.45	-418.24	64.52	442.72	-1984.31	-1646.67
						20.0	-1022.45	-420.44	64.52	442.72	-1429.93	-5815.20
93	77	1.733e+04	-226.67	-1.09e-03	-4.40	0.0	-587.41	-270.28	11.17	70.59	-631.70	1.733e+04
		1.184e+04	-631.70	5.66e-03	0.0	10.0	-587.41	-272.48	11.17	70.59	-429.19	1.460e+04
						20.0	-587.41	-274.68	11.17	70.59	-226.67	1.184e+04
93	87	4567.77	-442.18	-3.68e-05	-4.40	0.0	-459.31	-197.28	19.59	137.18	-834.05	4567.77
		578.20	-834.05	0.01	0.0	10.0	-459.31	-199.48	19.59	137.18	-638.12	2583.97
						20.0	-459.31	-201.68	19.59	137.18	-442.18	578.20
93	89	1.951e+04	-1733.83	-7.42e-04	-4.40	0.0	-1684.18	-704.64	78.54	537.90	-3304.58	1.951e+04
		5373.97	-3304.58	0.05	0.0	10.0	-1684.18	-706.84	78.54	537.90	-2519.21	1.245e+04
						20.0	-1684.18	-709.03	78.54	537.90	-1733.83	5373.97
93	90	1.940e+04	-1735.54	-7.23e-04	-4.40	0.0	-1687.43	-705.67	78.61	538.45	-3307.79	1.940e+04
		5238.68	-3307.79	0.05	0.0	10.0	-1687.43	-707.87	78.61	538.45	-2521.66	1.233e+04
						20.0	-1687.43	-710.07	78.61	538.45	-1735.54	5238.68
93	95	3875.47	-444.81	7.40e-05	-4.40	0.0	-477.13	-202.53	19.29	138.21	-830.60	3875.47
		-219.09	-830.60	0.01	0.0	10.0	-477.13	-204.73	19.29	138.21	-637.70	1839.18
						20.0	-477.13	-206.93	19.29	138.21	-444.81	-219.09
93	98	5434.25	-440.80	-7.47e-05	-4.40	0.0	-437.47	-190.96	20.16	136.44	-844.04	5434.25
		1571.19	-844.04	0.01	0.0	10.0	-437.47	-193.15	20.16	136.44	-642.42	3513.71
						20.0	-437.47	-195.35	20.16	136.44	-440.80	1571.19
93	99	1.291e+04	-1086.63	-4.13e-04	-4.40	0.0	-1049.90	-444.63	49.63	336.80	-2079.30	1.291e+04
		3969.07	-2079.30	0.03	0.0	10.0	-1049.90	-446.83	49.63	336.80	-1582.96	8448.39
						20.0	-1049.90	-449.03	49.63	336.80	-1086.63	3969.07
93	103	5145.42	-441.26	-6.12e-05	-4.40	0.0	-444.75	-193.06	19.97	136.68	-840.71	5145.42
		1240.19	-840.71	0.01	0.0	10.0	-444.75	-195.26	19.97	136.68	-640.99	3203.80
						20.0	-444.75	-197.46	19.97	136.68	-441.26	1240.19
93	105	5434.25	-440.80	-7.47e-05	-4.40	0.0	-437.47	-190.96	20.16	136.44	-844.04	5434.25
		1571.19	-844.04	0.01	0.0	10.0	-437.47	-193.15	20.16	136.44	-642.42	3513.71
						20.0	-437.47	-195.35	20.16	136.44	-440.80	1571.19
93	106	9917.13	-828.30	-2.69e-04	-4.40	0.0	-804.93	-343.16	37.84	256.66	-1585.19	9917.13
		3009.92	-1585.19	0.02	0.0	10.0	-804.93	-345.36	37.84	256.66	-1206.75	6474.51
						20.0	-804.93	-347.56	37.84	256.66	-828.30	3009.92
96	4	1.857e+04	6088.32	0.03	-131.38	0.0	-1041.36	-47.71	-19.68	5.23	6088.32	1.857e+04
		-2.793e+04	-1979.23	0.51	0.0	205.0	-1041.36	-113.40	-19.68	5.23	2054.55	2052.44
						410.0	-1041.36	-179.09	-19.68	5.23	-1979.23	-2.793e+04
96	7	9111.09	5401.68	0.02	-101.06	0.0	-527.19	-10.11	-16.58	4.22	5401.68	9111.09
		-1.575e+04	-1395.98	0.48	0.0	205.0	-527.19	-60.64	-16.58	4.22	2002.85	1858.63
						410.0	-527.19	-111.17	-16.58	4.22	-1395.98	-1.575e+04
96	9	2.462e+04	5167.75	-0.04	-131.38	0.0	-1459.58	-80.33	-14.26	6.56	5167.75	2.462e+04
		-3.525e+04	-678.10	0.49	0.0	205.0	-1459.58	-146.02	-14.26	6.56	2244.83	1419.62
						410.0	-1459.58	-211.71	-14.26	6.56	-678.10	-3.525e+04
96	18	1.879e+04	7833.28	-0.03	-131.38	0.0	-1104.42	-49.43	-21.07	8.03	7833.28	1.879e+04
		-2.841e+04	-806.61	0.78	0.0	205.0	-1104.42	-115.12	-21.07	8.03	3513.33	1923.29
						410.0	-1104.42	-180.81	-21.07	8.03	-806.61	-2.841e+04
96	31	3.638e+04	2.721e+04	-0.05	-101.06	0.0	-1441.41	-143.41	-139.96	17.49	2.721e+04	3.638e+04
		-4.313e+04	-3.020e+04	0.56	0.0	205.0	-1441.41	-193.94	-139.96	17.49	-1495.88	1805.59
						410.0	-1441.41	-244.47	-139.96	17.49	-3.020e+04	-4.313e+04
96	34	9621.54	2.769e+04	0.02	-101.06	0.0	206.85	116.77	127.63	-15.36	-2.467e+04	-1.754e+04
		-1.754e+04	-2.467e+04	-0.49	0.0	205.0	206.85	66.24	127.63	-15.36	1510.80	1220.38
						410.0	206.85	15.71	127.63	-15.36	2.769e+04	9621.54

96	35	3.624e+04	2.740e+04	-0.05	-101.06	0.0	-1434.28	-142.76	-141.09	18.22	2.740e+04	3.624e+04
		-4.301e+04	-3.047e+04	0.61	0.0	205.0	-1434.28	-193.29	-141.09	18.22	-1531.04	1797.53
						410.0	-1434.28	-243.82	-141.09	18.22	-3.047e+04	-4.301e+04
96	38	9497.17	2.795e+04	0.02	-101.06	0.0	199.71	116.13	128.75	-16.09	-2.486e+04	-1.740e+04
		-1.740e+04	-2.486e+04	-0.53	0.0	205.0	199.71	65.60	128.75	-16.09	1545.97	1228.45
						410.0	199.71	15.07	128.75	-16.09	2.795e+04	9497.17
96	63	2.197e+04	1.374e+04	-0.04	-101.06	0.0	-998.19	-73.92	-70.46	8.37	1.374e+04	2.197e+04
		-2.905e+04	-1.516e+04	0.27	0.0	205.0	-998.19	-124.45	-70.46	8.37	-713.14	1638.75
						410.0	-998.19	-174.98	-70.46	8.37	-1.516e+04	-2.905e+04
96	66	1389.57	1.265e+04	4.36e-03	-101.06	0.0	-236.37	47.28	58.13	-6.24	-1.119e+04	-3125.99
		-4458.29	-1.119e+04	-0.19	0.0	205.0	-236.37	-3.25	58.13	-6.24	728.07	1387.23
						410.0	-236.37	-53.78	58.13	-6.24	1.265e+04	-4458.29
96	67	2.200e+04	1.385e+04	-0.04	-101.06	0.0	-994.59	-74.09	-71.14	8.65	1.385e+04	2.200e+04
		-2.909e+04	-1.532e+04	0.29	0.0	205.0	-994.59	-124.62	-71.14	8.65	-735.88	1636.85
						410.0	-994.59	-175.15	-71.14	8.65	-1.532e+04	-2.909e+04
96	89	9485.89	3964.14	-0.02	-101.06	0.0	-578.14	-12.68	-12.76	3.26	3964.14	9485.89
		-1.643e+04	-1266.27	0.34	0.0	205.0	-578.14	-63.21	-12.76	3.26	1348.93	1707.33
						410.0	-578.14	-113.74	-12.76	3.26	-1266.27	-1.643e+04
96	90	1.338e+04	4174.11	-0.02	-101.06	0.0	-768.07	-32.37	-13.66	3.62	4174.11	1.338e+04
		-2.061e+04	-1426.59	0.34	0.0	205.0	-768.07	-82.90	-13.66	3.62	1373.76	1566.74
						410.0	-768.07	-133.43	-13.66	3.62	-1426.59	-2.061e+04
96	91	1.742e+04	3560.40	-0.03	-101.06	0.0	-1046.88	-54.12	-10.05	4.50	3560.40	1.742e+04
		-2.549e+04	-559.17	0.33	0.0	205.0	-1046.88	-104.65	-10.05	4.50	1500.62	1144.85
						410.0	-1046.88	-155.18	-10.05	4.50	-559.17	-2.549e+04
96	97	1.353e+04	5337.42	-0.02	-101.06	0.0	-810.11	-33.52	-14.59	5.48	5337.42	1.353e+04
		-2.093e+04	-644.84	0.52	0.0	205.0	-810.11	-84.05	-14.59	5.48	2346.29	1480.64
						410.0	-810.11	-134.58	-14.59	5.48	-644.84	-2.093e+04
96	99	9394.69	1436.67	-0.02	-101.06	0.0	-599.51	-12.91	-7.07	0.96	1436.67	9394.69
		-1.661e+04	-1462.55	0.04	0.0	205.0	-599.51	-63.44	-7.07	0.96	-12.94	1569.25
						410.0	-599.51	-113.97	-7.07	0.96	-1462.55	-1.661e+04
96	100	1.102e+04	1108.82	-0.02	-101.06	0.0	-719.92	-21.81	-5.17	1.37	1108.82	1.102e+04
		-1.864e+04	-1012.81	0.04	0.0	205.0	-719.92	-72.34	-5.17	1.37	48.00	1372.37
						410.0	-719.92	-122.87	-5.17	1.37	-1012.81	-1.864e+04
96	104	9476.48	1977.14	-0.02	-101.06	0.0	-624.97	-13.59	-7.31	1.92	1977.14	9476.48
		-1.681e+04	-1020.29	0.13	0.0	205.0	-624.97	-64.12	-7.31	1.92	478.42	1512.13
						410.0	-624.97	-114.65	-7.31	1.92	-1020.29	-1.681e+04
96	105	9464.76	1024.83	-0.02	-101.06	0.0	-643.94	-13.94	-4.81	1.22	1024.83	9464.76
		-1.697e+04	-948.69	0.03	0.0	205.0	-643.94	-64.47	-4.81	1.22	38.07	1428.60
						410.0	-643.94	-115.00	-4.81	1.22	-948.69	-1.697e+04
96	106	9422.72	1271.93	-0.02	-101.06	0.0	-617.28	-13.32	-6.17	1.06	1271.93	9422.72
		-1.676e+04	-1257.01	0.04	0.0	205.0	-617.28	-63.85	-6.17	1.06	7.46	1512.99
						410.0	-617.28	-114.38	-6.17	1.06	-1257.01	-1.676e+04
97	7	2256.01	6890.47	8.12e-03	-101.06	0.0	-89.81	33.82	-37.15	1.47	6890.47	-54.56
		-6904.02	-8342.14	0.49	0.0	205.0	-89.81	-16.71	-37.15	1.47	-725.84	1700.08
						410.0	-89.81	-67.24	-37.15	1.47	-8342.14	-6904.02
97	11	5269.68	7492.83	-0.01	-131.38	0.0	-209.79	19.27	-39.56	2.53	7492.83	4702.73
		-1.433e+04	-8726.65	0.51	0.0	205.0	-209.79	-46.42	-39.56	2.53	-616.91	1920.63
						410.0	-209.79	-112.11	-39.56	2.53	-8726.65	-1.433e+04
97	16	3093.50	9512.56	-0.01	-131.38	0.0	-232.48	39.11	-51.53	7.10	9512.56	712.36
		-1.018e+04	-1.161e+04	0.76	0.0	205.0	-232.48	-26.58	-51.53	7.10	-1.051.18	1997.24
						410.0	-232.48	-92.27	-51.53	7.10	-1.161e+04	-1.018e+04
97	18	3245.22	1.035e+04	-0.01	-131.38	0.0	-213.14	37.44	-55.90	5.28	1.035e+04	1078.80
		-1.050e+04	-1.257e+04	0.78	0.0	205.0	-213.14	-28.25	-55.90	5.28	-1109.95	2020.13
						410.0	-213.14	-93.94	-55.90	5.28	-1.257e+04	-1.050e+04
97	35	8315.84	2.643e+04	-0.02	-101.06	0.0	-647.04	110.39	-131.78	13.54	2.643e+04	-1.623e+04
		-1.623e+04	-2.762e+04	0.60	0.0	205.0	-647.04	59.86	-131.78	13.54	-590.07	1223.32
						410.0	-647.04	9.33	-131.78	13.54	-2.762e+04	8315.84
97	44	2.694e+04	9395.93	0.04	-101.06	0.0	-1268.54	203.51	43.95	25.78	-8645.67	-3.578e+04
		-3.578e+04	-8645.67	1.02	0.0	205.0	-1268.54	152.98	43.95	25.78	375.13	760.05
						410.0	-1268.54	102.45	43.95	25.78	9395.93	2.694e+04
97	45	3.991e+04	1.110e+04	-0.06	-101.06	0.0	1187.32	-156.38	-55.60	-27.72	1.110e+04	3.991e+04
		-4.493e+04	-1.172e+04	-0.93	0.0	205.0	1187.32	-206.91	-55.60	-27.72	-308.12	2668.39
						410.0	1187.32	-257.44	-55.60	-27.72	-1.172e+04	-4.493e+04
97	67	1800.47	1.336e+04	-6.80e-03	-101.06	0.0	-316.70	62.90	-66.48	5.45	1.336e+04	-6224.88
		-6224.88	-1.390e+04	0.28	0.0	205.0	-316.70	12.37	-66.48	5.45	-269.71	1490.24
						410.0	-316.70	-38.16	-66.48	5.45	-1.390e+04	-1.153.38
97	76	6853.83	3832.85	0.01	-101.06	0.0	-582.13	102.90	17.80	10.86	-3473.57	-1.462e+04
		-1.462e+04	-3473.57	0.45	0.0	205.0	-582.13	52.37	17.80	10.86	179.64	1296.64
						410.0	-582.13	1.84	17.80	10.86	3832.85	6853.83
97	77	1.874e+04	5928.86	-0.03	-101.06	0.0	500.91	-55.77	-29.45	-12.80	5928.86	1.874e+04
		-2.484e+04	-6154.11	-0.37	0.0	205.0	500.91	-106.30	-29.45	-12.80	-112.62	2131.80
						410.0	500.91	-156.83	-29.45	-12.80	-6154.11	-2.484e+04
97	89	2540.05	4944.02	-8.62e-03	-101.06	0.0	-77.15	30.09	-26.39	0.81	4944.02	708.41
		-7673.60	-5876.09	0.34	0.0	205.0	-77.15	-20.44	-26.39	0.81	-466.03	1696.77
						410.0	-77.15	-70.97	-26.39	0.81	-5876.09	-7673.60
97	93	3846.73	5106.09	-0.01	-101.06	0.0	-144.11	16.53	-26.89	1.65	5106.09	3304.13
		-1.063e+04	-5917.41	0.35	0.0	205.0	-144.11	-34.00	-26.89	1.65	-405.66	1513.95

97	95	2433.51	6452.58	-9.08e-03	-101.06	410.0	-144.11	-84.53	-26.89	1.65	-5917.41	-1.063e+04
		-7872.57	-7842.93	0.51	0.0	0.0	-159.24	29.76	-34.87	4.69	6452.58	643.88
						205.0	-159.24	-20.77	-34.87	4.69	-695.17	1565.03
97	97	2534.66	7010.84	-8.57e-03	-101.06	410.0	-159.24	-71.30	-34.87	4.69	-7842.93	-7872.57
		-8086.34	-8479.55	0.52	0.0	0.0	-146.35	28.64	-37.78	3.48	7010.84	888.17
						205.0	-146.35	-21.89	-37.78	3.48	-734.35	1580.29
97	99	3220.40	1387.15	-0.01	-101.06	410.0	-146.35	-72.42	-37.78	3.48	-8479.55	-8086.34
		-9054.11	-1342.52	0.05	0.0	0.0	-36.93	23.25	-6.66	-1.32	1387.15	2132.53
						205.0	-36.93	-27.28	-6.66	-1.32	22.31	1718.58
97	102	3470.29	1307.91	-0.01	-101.06	410.0	-36.93	-77.81	-6.66	-1.32	-1342.52	-9054.11
		-9603.63	-1223.46	0.04	0.0	0.0	-52.90	20.76	-6.17	-0.91	1307.91	2602.82
						205.0	-52.90	-29.77	-6.17	-0.91	42.22	1678.96
97	103	2855.81	2041.09	-0.01	-101.06	410.0	-52.90	-80.30	-6.17	-0.91	-1223.46	-9603.63
		-8390.35	-2247.40	0.13	0.0	0.0	-62.61	26.59	-10.46	0.55	2041.09	1425.16
						205.0	-62.61	-23.94	-10.46	0.55	-103.15	1696.78
97	104	2911.43	2280.35	-0.01	-101.06	410.0	-62.61	-74.47	-10.46	0.55	-2247.40	-8390.35
		-8481.97	-2520.24	0.14	0.0	0.0	-57.09	26.11	-11.71	0.03	2280.35	1529.86
						205.0	-57.09	-24.42	-11.71	0.03	-119.95	1703.32
97	105	3127.70	988.39	-0.01	-101.06	410.0	-57.09	-74.95	-11.71	0.03	-2520.24	-8481.97
		-8901.42	-887.79	0.04	0.0	0.0	-46.14	24.04	-4.58	-0.45	988.39	1958.04
						205.0	-46.14	-26.49	-4.58	-0.45	50.30	1707.68
97	106	3183.32	1227.64	-0.01	-101.06	410.0	-46.14	-77.02	-4.58	-0.45	-887.79	-8901.42
		-8993.04	-1160.63	0.04	0.0	0.0	-40.61	23.57	-5.83	-0.97	1227.64	2062.73
						205.0	-40.61	-26.97	-5.83	-0.97	33.51	1714.22
98	7	2995.54	6711.80	0.02	-93.67	410.0	-40.61	-77.50	-5.83	-0.97	-1160.63	-8993.04
		-1.105e+04	-5271.39	0.04	0.0	0.0	-204.07	10.43	31.53	5.05	-5271.39	2778.16
						190.0	-204.07	-36.40	31.53	5.05	720.20	310.81
98	9	1462.65	6554.00	0.01	-121.77	380.0	-204.07	-83.24	31.53	5.05	6711.80	-1.105e+04
		-8136.81	-5078.52	0.04	0.0	0.0	657.84	43.30	30.61	10.68	-5078.52	-1453.50
						190.0	657.84	-17.59	30.61	10.68	737.74	988.73
98	17	4466.19	9778.60	0.02	-121.77	380.0	657.84	-78.47	30.61	10.68	6554.00	-8136.81
		-1.426e+04	-7367.72	0.11	0.0	0.0	-29.81	12.17	45.12	7.59	-7367.72	4249.39
						190.0	-29.81	-48.71	45.12	7.59	1205.44	778.70
98	18	3945.92	1.010e+04	0.02	-121.77	380.0	-29.81	-109.59	45.12	7.59	9778.60	-1.426e+04
		-1.387e+04	-7677.74	0.10	0.0	0.0	180.55	14.92	46.77	9.58	-7677.74	3598.48
						190.0	180.55	-45.96	46.77	9.58	1209.04	650.30
98	21	5457.52	9410.49	0.02	-93.67	380.0	180.55	-106.84	46.77	9.58	1.010e+04	-1.387e+04
		-1.324e+04	-7006.00	0.12	0.0	0.0	-87.65	-2.38	43.20	6.16	-7006.00	5457.52
						190.0	-87.65	-49.21	43.20	6.16	1202.25	557.09
98	23	6.187e+04	1.686e+04	0.07	-93.67	380.0	-87.65	-96.04	43.20	6.16	9410.49	-1.324e+04
		-6.781e+04	-1.704e+04	0.18	0.0	0.0	1.94	-294.43	89.22	3.58	-1.704e+04	6.187e+04
						190.0	1.94	-341.26	89.22	3.58	-92.82	1483.86
98	26	6.008e+04	1.458e+04	0.07	-93.67	380.0	1.94	-388.10	89.22	3.58	1.686e+04	-6.781e+04
		-6.874e+04	-1.437e+04	-0.25	0.0	0.0	203.13	385.82	-76.18	4.02	1.458e+04	-6.874e+04
						190.0	203.13	338.99	-76.18	4.02	105.79	119.92
98	27	6.203e+04	1.701e+04	0.07	-93.67	380.0	203.13	292.15	-76.18	4.02	-1.437e+04	6.008e+04
		-6.795e+04	-1.721e+04	0.26	0.0	0.0	4.81	-295.20	90.04	8.84	-1.721e+04	6.203e+04
						190.0	4.81	-342.04	90.04	8.84	-100.51	1487.51
98	30	6.022e+04	1.474e+04	0.07	-93.67	380.0	-342.04	-388.87	90.04	8.84	1.701e+04	-6.795e+04
		-6.889e+04	-1.452e+04	-0.34	0.0	0.0	4.81	386.59	-77.00	-1.24	1.474e+04	-6.889e+04
						190.0	200.25	339.76	-77.00	-1.24	113.48	116.27
98	35	4.438e+04	2.630e+04	0.05	-93.67	380.0	200.25	292.92	-77.00	-1.24	-1.452e+04	6.022e+04
		-5.069e+04	-2.660e+04	0.62	0.0	0.0	11.96	-203.35	139.22	11.49	-2.660e+04	4.438e+04
						190.0	11.96	-250.18	139.22	11.49	-153.14	1292.57
98	55	2.797e+04	8741.08	0.04	-93.67	380.0	11.96	-297.01	139.22	11.49	2.630e+04	-5.069e+04
		-3.461e+04	-8823.98	0.07	0.0	0.0	53.47	-117.85	46.22	3.65	-8823.98	2.797e+04
						190.0	53.47	-164.69	46.22	3.65	-41.45	1127.99
98	58	2.688e+04	6359.15	0.04	-93.67	380.0	53.47	-211.52	46.22	3.65	8741.08	-3.461e+04
		-3.483e+04	-6250.31	-0.15	0.0	0.0	151.59	209.24	-33.18	3.95	6359.15	-3.483e+04
						190.0	151.59	162.41	-33.18	3.95	54.42	475.78
98	59	2.803e+04	8834.44	0.04	-93.67	380.0	151.59	115.58	-33.18	3.95	-6250.31	2.688e+04
		-3.467e+04	-8924.54	0.10	0.0	0.0	54.69	-118.15	46.73	6.10	-8924.54	2.803e+04
						190.0	54.69	-164.98	46.73	6.10	-45.05	1129.85
98	62	2.694e+04	6459.71	0.04	-93.67	380.0	54.69	-211.81	46.73	6.10	8834.44	-3.467e+04
		-3.489e+04	-6343.68	-0.18	0.0	0.0	150.37	209.53	-33.69	1.50	6459.71	-3.489e+04
						190.0	150.37	162.70	-33.69	1.50	58.02	473.92
98	67	1.932e+04	1.331e+04	0.03	-93.67	380.0	150.37	115.87	-33.69	1.50	-6343.68	2.694e+04
		-2.615e+04	-1.345e+04	0.26	0.0	0.0	58.40	-72.83	70.40	7.24	-1.345e+04	1.932e+04
						190.0	58.40	-119.66	70.40	7.24	-70.24	1032.38
98	89	1647.28	4833.67	0.02	-93.67	380.0	-119.66	-166.50	70.40	7.24	1.331e+04	-2.615e+04
		-8463.91	-3867.58	0.01	0.0	0.0	58.40	23.06	22.90	4.74	-3867.58	568.53
						190.0	-74.95	-23.77	22.90	4.74	483.05	501.46
98	91	1076.68	4483.07	9.21e-03	-93.67	380.0	-74.95	-70.60	22.90	4.74	4833.67	-8463.91
		-5839.79	-3497.85	0.02	0.0	0.0	461.10	35.27	21.00	7.54	-3497.85	-1447.16
						190.0	461.10	-11.56	21.00	7.54	492.61	805.67
98	96	2766.70	6632.81	0.01	-93.67	380.0	461.10	-58.39	21.00	7.54	4483.07	-5839.79
						0.0	2.66	14.53	30.68	5.48	-5023.99	2354.77

		-9921.76	-5023.99	0.07	0.0	190.0	2.66	-32.31	30.68	5.48	804.41	665.65
						380.0	2.66	-79.14	30.68	5.48	6632.81	-9921.76
98	97	2460.81	6844.29	0.02	-93.67	0.0	142.90	16.36	31.78	6.81	-5230.67	1920.83
		-9659.01	-5230.67	0.06	0.0	190.0	142.90	-30.47	31.78	6.81	806.81	580.05
						380.0	142.90	-77.31	31.78	6.81	6844.29	-9659.01
98	99	706.81	1400.09	8.67e-03	-93.67	0.0	51.42	43.99	7.34	3.77	-1389.03	-3201.24
		-4283.43	-1389.03	-0.04	0.0	190.0	51.42	-2.85	7.34	3.77	5.53	706.81
						380.0	51.42	-49.68	7.34	3.77	1400.09	-4283.43
98	100	910.27	1097.91	5.60e-03	-93.67	0.0	235.30	48.99	5.73	4.38	-1080.16	-3948.73
		-3948.73	-1080.16	-0.03	0.0	190.0	235.30	2.16	5.73	4.38	8.87	910.27
						380.0	235.30	-44.68	5.73	4.38	1097.91	-3129.02
98	103	983.77	2028.91	5.78e-03	-93.67	0.0	179.67	42.71	9.79	4.19	-1693.15	-2709.86
		-4277.84	-1693.15	-0.01	0.0	190.0	179.67	-4.13	9.79	4.19	167.88	955.29
						380.0	179.67	-50.96	9.79	4.19	2028.91	-4277.84
98	104	902.02	2260.98	8.01e-03	-93.67	0.0	103.00	40.14	11.02	4.15	-1928.08	-2365.52
		-4907.43	-1928.08	-0.02	0.0	190.0	103.00	-6.69	11.02	4.15	166.45	812.67
						380.0	103.00	-53.52	11.02	4.15	2260.98	-4907.43
98	105	944.51	1013.31	5.24e-03	-93.67	0.0	179.20	48.26	5.29	3.84	-997.49	-3775.15
		-3775.15	-997.49	-0.03	0.0	190.0	179.20	1.42	5.29	3.84	7.91	944.51
						380.0	179.20	-45.41	5.29	3.84	1013.31	-3234.12
98	106	801.89	1245.38	7.18e-03	-93.67	0.0	102.53	45.69	6.52	3.80	-1232.41	-3430.81
		-3863.71	-1232.41	-0.04	0.0	190.0	102.53	-1.14	6.52	3.80	6.48	801.89
						380.0	102.53	-47.97	6.52	3.80	1245.38	-3863.71
99	3	3334.55	40.15	-0.29	-89.72	0.0	-2209.51	44.86	28.05	-2.41	-8301.14	0.0
		0.0	-8301.14	0.13	0.0	148.7	-2193.49	-2.17e-06	28.05	-2.41	-4130.50	3334.55
						297.3	-2177.47	-44.86	28.05	-2.41	40.15	0.0
99	7	2565.04	67.99	-0.21	-69.02	0.0	-1644.27	34.51	28.98	-7.11	-8549.23	0.0
		0.0	-8549.23	0.12	0.0	148.7	-1631.94	-1.67e-06	28.98	-7.11	-4240.62	2565.04
						297.3	-1619.62	-34.51	28.98	-7.11	67.99	0.0
99	9	3334.55	-58.74	-0.51	-89.72	0.0	-3629.46	44.86	22.59	13.67	-6776.09	0.0
		0.0	-6776.09	0.22	0.0	148.7	-3613.44	-2.17e-06	22.59	13.67	-3417.42	3334.55
						297.3	-3597.41	-44.86	22.59	13.67	-58.74	0.0
99	21	2565.04	140.54	-0.22	-69.02	0.0	-1730.67	34.51	47.52	-17.06	-1.399e+04	0.0
		0.0	-1.399e+04	0.23	0.0	148.7	-1718.35	-1.67e-06	47.52	-17.06	-6924.33	2565.04
						297.3	-1706.02	-34.51	47.52	-17.06	140.54	0.0
99	27	2565.04	1271.69	-0.40	-69.02	0.0	-1918.71	34.51	-4.43	21.67	1271.69	0.0
		0.0	-165.65	0.01	0.0	148.7	-1906.39	-1.67e-06	-4.43	21.67	553.02	2565.04
						297.3	-1894.06	-34.51	-4.43	21.67	-165.65	0.0
99	38	2565.04	104.69	-0.02	-69.02	0.0	-1033.70	34.51	11.51	-9.90	-3454.04	0.0
		0.0	-3454.04	-0.45	0.0	148.7	-1021.38	-1.67e-06	11.51	-9.90	-1674.67	2565.04
						297.3	-1009.05	-34.51	11.51	-9.90	104.69	0.0
99	44	2565.04	9027.95	-0.12	-69.02	0.0	-2604.50	34.51	-31.41	63.47	9027.95	0.0
		0.0	-441.37	1.20	0.0	148.7	-2592.18	-1.67e-06	-31.41	63.47	4293.29	2565.04
						297.3	-2579.85	-34.51	-31.41	63.47	-441.37	0.0
99	45	2565.04	297.58	-0.32	-69.02	0.0	-532.84	34.51	27.36	-38.99	-7968.94	0.0
		0.0	-7968.94	-1.17	0.0	148.7	-520.52	-1.67e-06	27.36	-38.99	-3835.68	2565.04
						297.3	-508.20	-34.51	27.36	-38.99	297.58	0.0
99	59	2565.04	834.95	-0.30	-69.02	0.0	-1734.70	34.51	-2.99	16.69	834.95	0.0
		0.0	-116.60	9.37e-03	0.0	148.7	-1722.38	-1.67e-06	-2.99	16.69	359.18	2565.04
						297.3	-1710.05	-34.51	-2.99	16.69	-116.60	0.0
99	70	2565.04	3.47	-0.12	-69.02	0.0	-1333.22	34.51	4.09	2.84	-1280.75	0.0
		0.0	-1280.75	-0.17	0.0	148.7	-1320.90	-1.67e-06	4.09	2.84	-638.64	2565.04
						297.3	-1308.57	-34.51	4.09	2.84	3.47	0.0
99	76	2565.04	4398.88	-0.17	-69.02	0.0	-2041.12	34.51	-15.38	36.16	4398.88	0.0
		0.0	-241.02	0.50	0.0	148.7	-2028.80	-1.67e-06	-15.38	36.16	2078.93	2565.04
						297.3	-2016.47	-34.51	-15.38	36.16	-241.02	0.0
99	77	2565.04	97.23	-0.27	-69.02	0.0	-1096.23	34.51	11.34	-11.68	-3339.87	0.0
		0.0	-3339.87	-0.47	0.0	148.7	-1083.90	-1.67e-06	11.34	-11.68	-1621.32	2565.04
						297.3	-1071.58	-34.51	11.34	-11.68	97.23	0.0
99	89	2565.04	18.20	-0.22	-69.02	0.0	-1650.87	34.51	18.42	-0.17	-5459.80	0.0
		0.0	-5459.80	0.09	0.0	148.7	-1638.55	-1.67e-06	18.42	-0.17	-2720.80	2565.04
						297.3	-1626.22	-34.51	18.42	-0.17	18.20	0.0
99	91	2565.04	-47.73	-0.36	-69.02	0.0	-2597.50	34.51	14.78	10.55	-4443.10	0.0
		0.0	-4443.10	0.15	0.0	148.7	-2585.18	-1.67e-06	14.78	10.55	-2245.41	2565.04
						297.3	-2572.86	-34.51	14.78	10.55	-47.73	0.0
99	96	2565.04	66.57	-0.23	-69.02	0.0	-1708.48	34.51	30.78	-6.80	-9086.45	0.0
		0.0	-9086.45	0.16	0.0	148.7	-1696.15	-1.67e-06	30.78	-6.80	-4509.94	2565.04
						297.3	-1683.83	-34.51	30.78	-6.80	66.57	0.0
99	99	2565.04	433.97	-0.22	-69.02	0.0	-1567.94	34.51	-1.69	11.81	433.97	0.0
		0.0	-68.84	8.82e-03	0.0	148.7	-1555.62	-1.67e-06	-1.69	11.81	182.56	2565.04
						297.3	-1543.29	-34.51	-1.69	11.81	-68.84	0.0
99	100	2565.04	780.62	-0.25	-69.02	0.0	-1758.37	34.51	-2.92	14.60	780.62	0.0
		0.0	-86.60	0.03	0.0	148.7	-1746.04	-1.67e-06	-2.92	14.60	347.01	2565.04
						297.3	-1733.72	-34.51	-2.92	14.60	-86.60	0.0
99	104	2565.04	-45.42	-0.22	-69.02	0.0	-1596.93	34.51	4.41	8.60	-1355.47	0.0
		0.0	-1355.47	0.05	0.0	148.7	-1584.60	-1.67e-06	4.41	8.60	-700.45	2565.04
						297.3	-1572.28	-34.51	4.41	8.60	-45.42	0.0

99	105	2565.04 0.0	672.81 -76.47	-0.22 0.03	-69.02 0.0	0.0 148.7	-1569.77 -1557.45	34.51 -1.67e-06	-2.52 -2.52	12.88 12.88	672.81 298.17	0.0 2565.04
						297.3	-1545.12	-34.51	-2.52	12.88	-76.47	0.0
99	106	2565.04 0.0	529.51 -71.89	-0.22 0.02	-69.02 0.0	0.0 148.7	-1568.67 -1556.35	34.51 -1.67e-06	-2.02 -2.02	12.24 12.24	529.51 228.81	0.0 2565.04
						297.3	-1544.03	-34.51	-2.02	12.24	-71.89	0.0
103	5	3666.17 -1.208e+04	3681.38 -146.46	5.56e-03 0.26	-124.88 0.0	0.0 205.0	-44.35 -44.35	98.01 35.57	-9.34 -9.34	26.25 26.25	3681.38 1767.46	-1.208e+04 1608.99
						410.0	-44.35	-26.87	-9.34	26.25	-146.46	2500.48
103	15	6157.04 -1.753e+04	5972.35 -238.78	-8.58e-03 0.42	-162.34 0.0	0.0 205.0	-70.06 -70.06	137.06 55.89	-15.15 -15.15	42.03 42.03	5972.35 2866.78	-1.753e+04 2244.07
						410.0	-70.06	-25.28	-15.15	42.03	-238.78	5381.37
103	18	3431.52 -1.330e+04	7029.17 -272.74	6.41e-03 0.45	-162.34 0.0	0.0 205.0	-103.90 -103.90	115.16 33.99	-17.81 -17.81	52.03 52.03	7029.17 3378.21	-1.330e+04 1988.61
						410.0	-103.90	-47.18	-17.81	52.03	-272.74	636.38
103	19	6744.81 -1.567e+04	5768.69 -232.27	-9.11e-03 0.42	-124.88 0.0	0.0 205.0	-65.59 -65.59	116.85 54.41	-14.64 -14.64	38.95 38.95	5768.69 2768.21	-1.567e+04 1884.44
						410.0	-65.59	-8.03	-14.64	38.95	-232.27	6639.15
103	31	5.293e+04 -5.547e+04	1.870e+04 333.79	-0.06 0.28	-124.88 0.0	0.0 205.0	-1.84 -1.84	326.83 264.39	-47.18 -47.18	47.38 47.38	1.870e+04 9517.45	-5.547e+04 5130.14
						410.0	-1.84	201.95	-47.18	47.38	333.79	5.293e+04
103	34	4.438e+04 -6.298e+04	-387.86 -1.702e+04	0.06 -0.22	-124.88 0.0	0.0 205.0	-42.79 -42.79	-199.43 -261.87	42.94 42.94	-26.75 -26.75	-1.702e+04 -8702.00	4.438e+04 -2900.76
						410.0	-42.79	-324.30	42.94	-26.75	-387.86	6.298e+04
103	44	1.245e+05 -1.171e+05	545.82 -6792.11	-0.12 0.48	-124.88 0.0	0.0 205.0	178.00 178.00	651.82 589.38	17.18 17.18	71.93 71.93	-6792.11 -3123.15	-1.171e+05 1.008e+04
						410.0	178.00	526.94	17.18	71.93	545.82	1.245e+05
103	45	1.061e+05 -1.346e+05	8477.08 -599.90	0.13 -0.42	-124.88 0.0	0.0 205.0	-222.63 -222.63	-524.42 -586.85	-21.42 -21.42	-51.30 -51.30	8477.08 3938.59	1.061e+05 -7848.15
						410.0	-222.63	-649.29	-21.42	-51.30	-599.90	-1.346e+05
103	52	1.003e+05 -9.625e+04	523.80 -6679.45	-0.10 0.40	-124.88 0.0	0.0 205.0	224.92 224.92	541.74 479.30	16.85 16.85	69.53 69.53	-6679.45 -3077.82	-9.625e+04 8406.38
						410.0	224.92	416.86	16.85	69.53	523.80	1.003e+05
103	53	8.516e+04 -1.103e+05	8364.42 -577.88	0.11 -0.34	-124.88 0.0	0.0 205.0	-269.55 -269.55	-414.34 -476.78	-21.09 -21.09	-48.90 -48.90	8364.42 3893.27	8.516e+04 -6177.00
						410.0	-269.55	-539.21	-21.09	-48.90	-577.88	-1.103e+05
103	67	2.459e+04 -3.106e+04	9406.37 149.44	-0.03 0.15	-124.88 0.0	0.0 205.0	-20.20 -20.20	198.16 135.72	-23.72 -23.72	27.30 27.30	9406.37 4777.91	-3.106e+04 3165.71
						410.0	-20.20	73.28	-23.72	27.30	149.44	2.459e+04
103	70	1.997e+04 -3.464e+04	-203.51 -7721.41	0.03 -0.09	-124.88 0.0	0.0 205.0	-24.43 -24.43	-70.76 -133.20	19.48 19.48	-6.67 -6.67	-7721.41 -3962.46	1.997e+04 -936.34
						410.0	-24.43	-195.63	19.48	-6.67	-203.51	-3.464e+04
103	76	5.164e+04 -5.437e+04	241.02 -2672.54	-0.05 0.22	-124.88 0.0	0.0 205.0	74.04 74.04	321.00 258.56	6.76 6.76	37.85 37.85	-2672.54 -1215.76	-5.437e+04 5035.26
						410.0	74.04	196.13	6.76	37.85	241.02	5.164e+04
103	77	4.328e+04 -6.169e+04	4357.51 -295.10	0.06 -0.16	-124.88 0.0	0.0 205.0	-118.67 -118.67	-193.60 -256.04	-11.00 -11.00	-17.22 -17.22	4357.51 2031.20	4.328e+04 -2805.89
						410.0	-118.67	-318.47	-11.00	-17.22	-295.10	-6.169e+04
103	84	4.202e+04 -4.608e+04	236.39 -2755.89	-0.04 0.18	-124.88 0.0	0.0 205.0	99.91 99.91	277.31 214.87	6.95 6.95	36.97 36.97	-2755.89 -1259.75	-4.608e+04 4371.81
						410.0	99.91	152.43	6.95	36.97	236.39	4.202e+04
103	85	3.499e+04 -5.207e+04	4440.86 -290.47	0.05 -0.12	-124.88 0.0	0.0 205.0	-144.54 -144.54	-149.91 -212.34	-11.19 -11.19	-16.34 -16.34	4440.86 2075.20	3.499e+04 -2142.43
						410.0	-144.54	-274.78	-11.19	-16.34	-290.47	-5.207e+04
103	87	2557.73 -1.022e+04	2654.48 -104.07	4.56e-03 0.18	-124.88 0.0	0.0 205.0	-34.05 -34.05	88.27 25.84	-6.73 -6.73	20.29 20.29	2654.48 1275.21	-1.022e+04 1471.65
						410.0	-34.05	-36.60	-6.73	20.29	-104.07	367.87
103	94	4075.09 -1.262e+04	4046.02 -161.28	5.86e-03 0.29	-124.88 0.0	0.0 205.0	-48.20 -48.20	100.84 38.40	-10.26 -10.26	28.77 28.77	4046.02 1942.37	-1.262e+04 1655.28
						410.0	-48.20	-24.04	-10.26	28.77	-161.28	3126.99
103	97	2414.48 -9793.68	4750.57 -183.92	4.64e-03 0.30	-124.88 0.0	0.0 205.0	-70.77 -70.77	86.24 23.80	-12.04 -12.04	35.44 35.44	4750.57 2283.32	-9793.68 1484.97
						410.0	-70.77	-38.64	-12.04	35.44	-183.92	-36.34
103	98	1275.32 -6636.78	567.17 -18.26	2.61e-03 0.02	-124.88 0.0	0.0 205.0	-12.81 -12.81	69.43 6.99	-1.43 -1.43	7.59 7.59	567.17 274.46	-6636.78 1196.20
						410.0	-12.81	-55.45	-1.43	7.59	-18.26	-3770.79
103	103	1568.20 -7832.71	1262.94 -46.86	3.26e-03 0.07	-124.88 0.0	0.0 205.0	-19.89 -19.89	75.71 13.27	-3.19 -3.19	11.82 11.82	1262.94 608.04	-7832.71 1288.01
						410.0	-19.89	-49.17	-3.19	11.82	-46.86	-2391.24
103	104	1299.87 -6740.39	1538.25 -55.64	3.28e-03 0.08	-124.88 0.0	0.0 205.0	-29.39 -29.39	69.98 7.55	-3.89 -3.89	14.55 14.55	1538.25 741.31	-6740.39 1206.50
						410.0	-29.39	-54.89	-3.89	14.55	-55.64	-3646.58
103	105	1275.32 -6636.78	567.17 -18.26	2.61e-03 0.02	-124.88 0.0	0.0 205.0	-12.81 -12.81	69.43 6.99	-1.43 -1.43	7.59 7.59	567.17 274.46	-6636.78 1196.20
						410.0	-12.81	-55.45	-1.43	7.59	-18.26	-3770.79
103	106	1114.69 -5544.46	842.48 -27.04	4.05e-03 0.03	-124.88 0.0	0.0 205.0	-22.32 -22.32	63.70 1.26	-2.12 -2.12	10.31 10.31	842.48 407.72	-5544.46 1114.69

104	1	6280.57	1.820e+04	-0.05	-126.89	410.0	-22.32	-61.17	-2.12	10.31	-27.04	-5026.13
		0.0	-2.009e+04	-0.26	-568.96	0.0	-292.11	63.44	237.05	-2.80	-1306.27	0.0
						198.0	-292.11	-2.28e-06	-47.43	-2.80	1.747e+04	6280.57
104	9	6280.57	1.823e+04	-0.06	-126.89	396.0	-292.11	-63.44	-331.91	-2.80	-2.009e+04	0.0
		0.0	-2.005e+04	-0.25	-568.96	0.0	-275.47	63.44	237.07	-5.13	-1280.03	0.0
						198.0	-275.47	-2.28e-06	-47.41	-5.13	1.750e+04	6280.57
104	18	6280.57	3.043e+04	-0.05	-126.89	396.0	-275.47	-63.44	-331.89	-5.13	-2.005e+04	0.0
		0.0	-3.322e+04	-0.44	-948.27	0.0	-512.99	63.44	395.81	-3.53	-2202.01	0.0
						198.0	-512.99	-2.28e-06	-78.33	-3.53	2.923e+04	6280.57
104	19	4831.20	3.023e+04	-0.04	-97.61	396.0	-512.99	-63.44	-552.46	-3.53	-3.322e+04	0.0
		0.0	-3.367e+04	-0.42	-948.27	0.0	-493.84	48.80	394.67	-1.65	-2207.04	0.0
						198.0	-493.84	-1.76e-06	-79.47	-1.65	2.900e+04	4831.20
104	21	4831.20	3.039e+04	-0.04	-97.61	396.0	-493.84	-48.80	-553.60	-1.65	-3.367e+04	0.0
		0.0	-3.329e+04	-0.44	-948.27	0.0	-523.56	48.80	395.68	-1.50	-2223.68	0.0
						198.0	-523.56	-1.76e-06	-78.46	-1.50	2.918e+04	4831.20
104	31	4831.20	6449.99	-0.04	-97.61	396.0	-523.56	-48.80	-552.60	-1.50	-3.329e+04	0.0
		0.0	165.36	0.57	0.0	0.0	-976.71	48.80	16.88	8.44	165.36	0.0
						198.0	-976.71	-1.76e-06	16.88	8.44	3307.67	4831.20
104	33	4831.20	-245.05	-0.04	-97.61	396.0	-976.71	-48.80	16.88	8.44	6449.99	0.0
		0.0	-3382.90	-1.21	0.0	0.0	-985.49	48.80	-8.96	-24.94	-245.05	0.0
						198.0	-985.49	-1.76e-06	-8.96	-24.94	-1813.98	4831.20
104	35	4831.20	6564.68	-0.04	-97.61	396.0	-985.49	-48.80	-8.96	-24.94	-3382.90	0.0
		0.0	162.93	0.66	0.0	0.0	-985.86	48.80	17.18	9.19	162.93	0.0
						198.0	-985.86	-1.76e-06	17.18	9.19	3363.80	4831.20
104	38	4831.20	-124.10	-0.04	-97.61	396.0	-985.86	-48.80	17.18	9.19	6564.68	0.0
		0.0	-6034.66	-0.70	0.0	0.0	-979.32	48.80	-15.94	-13.98	-124.10	0.0
						198.0	-979.32	-1.76e-06	-15.94	-13.98	-3079.38	4831.20
104	63	4831.20	3231.10	-0.04	-97.61	396.0	-979.32	-48.80	-15.94	-13.98	-6034.66	0.0
		0.0	89.43	0.24	0.0	0.0	-461.48	48.80	8.42	2.28	89.43	0.0
						198.0	-461.48	-1.76e-06	8.42	2.28	1660.26	4831.20
104	65	4831.20	-106.65	-0.04	-97.61	396.0	-461.48	-48.80	8.42	2.28	3231.10	0.0
		0.0	-1497.01	-0.53	0.0	0.0	-268.43	48.80	-4.01	-12.10	-106.65	0.0
						198.0	-268.43	-1.76e-06	-4.01	-12.10	-801.83	4831.20
104	67	4831.20	3294.23	-0.04	-97.61	396.0	-268.43	-48.80	-4.01	-12.10	-1497.01	0.0
		0.0	87.54	0.27	0.0	0.0	-465.19	48.80	8.58	2.56	87.54	0.0
						198.0	-465.19	-1.76e-06	8.58	2.56	1690.89	4831.20
104	70	4831.20	-48.72	-0.04	-97.61	396.0	-465.19	-48.80	8.58	2.56	3294.23	0.0
		0.0	-2764.22	-0.31	0.0	0.0	-458.64	48.80	-7.34	-7.35	-48.72	0.0
						198.0	-458.64	-1.76e-06	-7.34	-7.35	-1406.47	4831.20
104	87	4831.20	1.214e+04	-0.04	-97.61	396.0	-458.64	-48.80	-7.34	-7.35	-2764.22	0.0
		0.0	-1.337e+04	-0.17	-379.31	0.0	-194.27	48.80	158.07	-2.15	-868.06	0.0
						198.0	-194.27	-1.76e-06	-31.58	-2.15	1.165e+04	4831.20
104	91	4831.20	1.216e+04	-0.04	-97.61	396.0	-194.27	-48.80	-221.24	-2.15	-1.337e+04	0.0
		0.0	-1.335e+04	-0.17	-379.31	0.0	-183.18	48.80	158.08	-3.70	-850.56	0.0
						198.0	-183.18	-1.76e-06	-31.57	-3.70	1.167e+04	4831.20
104	94	4831.20	2.018e+04	-0.04	-97.61	396.0	-183.18	-48.80	-221.22	-3.70	-1.335e+04	0.0
		0.0	-2.239e+04	-0.28	-632.18	0.0	-327.26	48.80	263.23	-1.95	-1462.87	0.0
						198.0	-327.26	-1.76e-06	-52.86	-1.95	1.936e+04	4831.20
104	96	4831.20	2.029e+04	-0.04	-97.61	396.0	-327.26	-48.80	-368.95	-1.95	-2.239e+04	0.0
		0.0	-2.214e+04	-0.30	-632.18	0.0	-347.07	48.80	263.90	-1.86	-1473.97	0.0
						198.0	-347.07	-1.76e-06	-52.19	-1.86	1.948e+04	4831.20
104	97	4831.20	2.030e+04	-0.04	-97.61	396.0	-347.07	-48.80	-368.28	-1.86	-2.214e+04	0.0
		0.0	-2.213e+04	-0.30	-632.18	0.0	-341.53	48.80	263.91	-2.64	-1465.22	0.0
						198.0	-341.53	-1.76e-06	-52.18	-2.64	1.949e+04	4831.20
104	98	4831.20	155.91	-0.04	-97.61	396.0	-341.53	-48.80	-368.27	-2.64	-2.213e+04	0.0
		0.0	24.17	-6.54e-03	0.0	0.0	5.22	48.80	0.33	-2.44	24.17	0.0
						198.0	5.22	-1.76e-06	0.33	-2.44	90.04	4831.20
104	100	4831.20	160.36	-0.04	-97.61	396.0	5.22	-48.80	0.33	-2.44	155.91	0.0
		0.0	27.67	-5.82e-03	0.0	0.0	7.44	48.80	0.34	-2.75	27.67	0.0
						198.0	7.44	-1.76e-06	0.34	-2.75	94.01	4831.20
104	103	4831.20	4101.89	-0.04	-97.61	396.0	7.44	-48.80	0.34	-2.75	160.36	0.0
		0.0	-4354.06	-0.06	-126.44	0.0	-61.28	48.80	52.91	-2.34	-273.24	0.0
						198.0	-61.28	-1.76e-06	-10.31	-2.34	3944.63	4831.20
104	104	4831.20	4146.95	-0.04	-97.61	396.0	-61.28	-48.80	-73.52	-2.34	-4354.06	0.0
		0.0	-4244.96	-0.07	-126.44	0.0	-69.77	48.80	53.20	-2.30	-277.99	0.0
						198.0	-69.77	-1.76e-06	-10.02	-2.30	3996.80	4831.20
104	105	4831.20	155.91	-0.04	-97.61	396.0	-69.77	-48.80	-73.24	-2.30	-4244.96	0.0
		0.0	24.17	-6.54e-03	0.0	0.0	5.22	48.80	0.33	-2.44	24.17	0.0
						198.0	5.22	-1.76e-06	0.33	-2.44	90.04	4831.20
104	106	4831.20	265.01	-0.04	-97.61	396.0	5.22	-48.80	0.33	-2.44	155.91	0.0
		0.0	19.41	-0.02	0.0	0.0	-3.27	48.80	0.62	-2.39	19.41	0.0
						198.0	-3.27	-1.76e-06	0.62	-2.39	142.21	4831.20
106	4	2.120e+04	2303.18	-0.02	-40.59	396.0	-3.27	-48.80	0.62	-2.39	265.01	0.0
		2.049e+04	327.91	0.03	0.0	0.0	-420.30	19.13	15.59	-2.72	327.91	2.063e+04
						63.3	-420.30	-1.17	15.59	-2.72	1315.55	2.120e+04
106	5	1.204e+04	1812.42	-0.01	-31.22	126.7	-420.30	-21.46	15.59	-2.72	2303.18	2.049e+04
						0.0	-164.99	17.56	15.66	-0.14	-170.80	1.141e+04

		1.141e+04	-170.80	0.04	0.0	63.3	-164.99	1.94	15.66	-0.14	820.81	1.203e+04
						126.7	-164.99	-13.67	15.66	-0.14	1812.42	1.166e+04
106	7	9296.72	1923.08	-8.29e-03	-31.22	0.0	-319.31	11.61	16.40	-0.35	-153.86	9023.29
		8516.56	-153.86	0.02	0.0	63.3	-319.31	-4.00	16.40	-0.35	884.61	9264.27
						126.7	-319.31	-19.61	16.40	-0.35	1923.08	8516.56
106	9	3.142e+04	2397.39	-0.03	-40.59	0.0	-304.39	27.51	14.36	-4.00	579.09	3.024e+04
		3.024e+04	579.09	0.05	0.0	63.3	-304.39	7.22	14.36	-4.00	1488.24	3.134e+04
						126.7	-304.39	-13.07	14.36	-4.00	2397.39	3.116e+04
106	18	2.204e+04	3164.66	-0.02	-40.59	0.0	-378.86	21.64	26.35	-1.36	-172.94	2.131e+04
		2.131e+04	-172.94	0.05	0.0	63.3	-378.86	1.35	26.35	-1.36	1495.86	2.204e+04
						126.7	-378.86	-18.94	26.35	-1.36	3164.66	2.148e+04
106	19	1.205e+04	2707.09	-0.01	-31.22	0.0	-169.85	18.29	26.63	1.15	-666.57	1.137e+04
		1.137e+04	-666.57	0.06	0.0	63.3	-169.85	2.68	26.63	1.15	1020.26	1.204e+04
						126.7	-169.85	-12.93	26.63	1.15	2707.09	1.171e+04
106	27	2.961e+04	9803.14	0.10	-31.22	0.0	-77.42	-301.29	68.36	0.30	102.90	2.961e+04
		-1.053e+04	102.90	0.11	0.0	63.3	-77.42	-316.90	68.36	0.30	4953.02	1.003e+04
						126.7	-77.42	-332.51	68.36	0.30	9803.14	-1.053e+04
106	28	2.449e+04	4411.80	0.07	-31.22	0.0	-23.88	-212.01	25.46	6.75	-3082.49	2.449e+04
		-4343.79	-3082.49	0.26	0.0	63.3	-23.88	-227.62	25.46	6.75	664.66	1.057e+04
						126.7	-23.88	-243.23	25.46	6.75	4411.80	-4343.79
106	29	2.708e+04	4271.31	-0.07	-31.22	0.0	-366.54	242.65	-26.83	-11.21	4271.31	-1681.92
		-1681.92	-3397.06	-0.25	0.0	63.3	-366.54	227.04	-26.83	-11.21	437.12	1.319e+04
						126.7	-366.54	211.43	-26.83	-11.21	-3397.06	2.708e+04
106	30	3.327e+04	1085.92	-0.10	-31.22	0.0	-313.00	331.93	-69.74	-4.76	1085.92	-6805.37
		-6805.37	-8788.41	-0.10	0.0	63.3	-313.00	316.32	-69.74	-4.76	-3851.25	1.373e+04
						126.7	-313.00	300.71	-69.74	-4.76	-8788.41	3.327e+04
106	31	2.449e+04	1.411e+04	0.07	-31.22	0.0	-141.99	-210.79	108.87	3.37	-2078.86	2.449e+04
		-4192.05	-2078.86	0.20	0.0	63.3	-141.99	-226.40	108.87	3.37	6017.94	1.065e+04
						126.7	-141.99	-242.01	108.87	3.37	1.411e+04	-4192.05
106	34	2.693e+04	3267.68	-0.07	-31.22	0.0	-248.44	241.44	-110.24	-7.83	3267.68	-1686.51
		-1686.51	-1.310e+04	-0.19	0.0	63.3	-248.44	225.83	-110.24	-7.83	-4916.16	1.311e+04
						126.7	-248.44	210.22	-110.24	-7.83	-1.310e+04	2.693e+04
106	59	2.017e+04	4982.94	0.05	-31.22	0.0	-138.32	-137.23	32.48	-1.11	392.19	2.017e+04
		809.68	392.19	0.05	0.0	63.3	-138.32	-152.85	32.48	-1.11	2687.56	1.099e+04
						126.7	-138.32	-168.46	32.48	-1.11	4982.94	809.68
106	60	1.773e+04	2370.27	0.03	-31.22	0.0	-112.38	-94.56	11.95	1.93	-1053.60	1.773e+04
		3771.75	-1053.60	0.12	0.0	63.3	-112.38	-110.17	11.95	1.93	658.33	1.124e+04
						126.7	-112.38	-125.78	11.95	1.93	2370.27	3771.75
106	61	1.896e+04	2242.41	-0.04	-31.22	0.0	-278.04	125.20	-13.33	-6.39	2242.41	5080.27
		5080.27	-1355.53	-0.11	0.0	63.3	-278.04	109.59	-13.33	-6.39	443.44	1.252e+04
						126.7	-278.04	93.98	-13.33	-6.39	-1355.53	1.896e+04
106	62	2.193e+04	796.62	-0.05	-31.22	0.0	-252.10	167.88	-33.86	-3.35	796.62	2634.41
		2634.41	-3968.20	-0.05	0.0	63.3	-252.10	152.27	-33.86	-3.35	-1585.79	1.277e+04
						126.7	-252.10	136.66	-33.86	-3.35	-3968.20	2.193e+04
106	63	1.766e+04	7032.87	0.03	-31.22	0.0	-169.57	-92.90	51.62	0.33	-550.27	1.766e+04
		3913.62	-550.27	0.09	0.0	63.3	-169.57	-108.51	51.62	0.33	3241.30	1.128e+04
						126.7	-169.57	-124.12	51.62	0.33	7032.87	3913.62
106	66	1.882e+04	1739.09	-0.04	-31.22	0.0	-220.85	123.55	-53.00	-4.79	1739.09	5145.12
		5145.12	-6018.13	-0.09	0.0	63.3	-220.85	107.93	-53.00	-4.79	-2139.52	1.248e+04
						126.7	-220.85	92.32	-53.00	-4.79	-6018.13	1.882e+04
106	87	1.245e+04	1379.91	-0.01	-31.22	0.0	-169.20	17.25	10.14	-0.90	95.25	1.184e+04
		1.184e+04	95.25	0.03	0.0	63.3	-169.20	1.64	10.14	-0.90	737.58	1.244e+04
						126.7	-169.20	-13.98	10.14	-0.90	1379.91	1.205e+04
106	89	1.061e+04	1453.68	-9.72e-03	-31.22	0.0	-272.08	13.28	10.64	-1.04	106.55	1.025e+04
		9957.48	106.55	0.02	0.0	63.3	-272.08	-2.33	10.64	-1.04	780.12	1.060e+04
						126.7	-272.08	-17.94	10.64	-1.04	1453.68	9957.48
106	90	1.551e+04	1590.26	-0.01	-31.22	0.0	-297.69	14.91	10.30	-2.03	285.29	1.506e+04
		1.498e+04	285.29	0.02	0.0	63.3	-297.69	-0.70	10.30	-2.03	937.78	1.551e+04
						126.7	-297.69	-16.31	10.30	-2.03	1590.26	1.498e+04
106	91	2.232e+04	1653.07	-0.02	-31.22	0.0	-220.41	20.50	9.48	-2.88	452.74	2.147e+04
		2.147e+04	452.74	0.03	0.0	63.3	-220.41	4.89	9.48	-2.88	1052.91	2.227e+04
						126.7	-220.41	-10.72	9.48	-2.88	1653.07	2.209e+04
106	94	1.246e+04	1976.36	-0.01	-31.22	0.0	-172.44	17.74	17.46	-0.03	-235.26	1.182e+04
		1.182e+04	-235.26	0.04	0.0	63.3	-172.44	2.13	17.46	-0.03	870.55	1.245e+04
						126.7	-172.44	-13.49	17.46	-0.03	1976.36	1.209e+04
106	97	1.607e+04	2164.58	-0.02	-31.22	0.0	-270.06	16.59	17.47	-1.13	-48.60	1.552e+04
		1.552e+04	-48.60	0.04	0.0	63.3	-270.06	0.98	17.47	-1.13	1057.99	1.607e+04
						126.7	-270.06	-14.63	17.47	-1.13	2164.58	1.564e+04
106	98	1.243e+04	591.02	-0.01	-31.22	0.0	-164.35	16.51	-0.84	-2.19	591.02	1.188e+04
		1.188e+04	485.24	4.61e-03	0.0	63.3	-164.35	0.90	-0.84	-2.19	538.13	1.243e+04
						126.7	-164.35	-14.71	-0.84	-2.19	485.24	1.200e+04
106	99	1.151e+04	596.67	-0.01	-31.22	0.0	-215.79	14.53	-0.59	-2.26	596.67	1.109e+04
		1.095e+04	522.12	-1.20e-03	0.0	63.3	-215.79	-1.08	-0.59	-2.26	559.40	1.151e+04
						126.7	-215.79	-16.69	-0.59	-2.26	522.12	1.095e+04
106	100	1.440e+04	662.52	-0.01	-31.22	0.0	-174.59	17.16	-0.97	-2.58	662.52	1.381e+04
		1.381e+04	539.87	5.52e-03	0.0	63.3	-174.59	1.55	-0.97	-2.58	601.19	1.440e+04
						126.7	-174.59	-14.06	-0.97	-2.58	539.87	1.400e+04

106	103	1.244e+04 1.187e+04	783.46 425.76	-0.01 0.01	-31.22 0.0	0.0 63.3	-165.97 -165.97	16.76 1.15	2.82 2.82	-1.76 -1.76	425.76 604.61	1.187e+04 1.244e+04
						126.7	-165.97	-14.47	2.82	-1.76	783.46	1.201e+04
106	104	1.188e+04 1.139e+04	805.59 429.15	-0.01 9.20e-03	-31.22 0.0	0.0 63.3	-196.83 -196.83	15.57 -0.04	2.97 2.97	-1.80 -1.80	429.15 617.37	1.139e+04 1.188e+04
						126.7	-196.83	-15.65	2.97	-1.80	805.59	1.139e+04
106	105	1.243e+04 1.188e+04	591.02 485.24	-0.01 4.61e-03	-31.22 0.0	0.0 63.3	-164.35 -164.35	16.51 0.90	-0.84 -0.84	-2.19 -2.19	591.02 538.13	1.188e+04 1.243e+04
						126.7	-164.35	-14.71	-0.84	-2.19	485.24	1.200e+04
106	106	1.188e+04 1.137e+04	594.41 507.37	-0.01 2.05e-03	-31.22 0.0	0.0 63.3	-195.21 -195.21	15.32 -0.29	-0.69 -0.69	-2.23 -2.23	594.41 550.89	1.140e+04 1.188e+04
						126.7	-195.21	-15.90	-0.69	-2.23	507.37	1.137e+04
107	4	2.048e+04 -4.635e+04	2489.61 -3671.31	0.07 0.05	-40.59 0.0	0.0 63.3	-419.39 -419.39	-507.32 -527.61	-48.64 -48.64	-2.72 -2.72	2489.61 -590.85	2.048e+04 -1.229e+04
						126.7	-419.39	-547.91	-48.64	-2.72	-3671.31	-4.635e+04
107	5	1.166e+04 -2.252e+04	1896.93 -2330.93	0.05 0.05	-31.22 0.0	0.0 63.3	-164.59 -164.59	-254.24 -269.85	-33.38 -33.38	-0.14 -0.14	1896.93 -217.00	1.166e+04 -4939.89
						126.7	-164.59	-285.46	-33.38	-0.14	-2330.93	-2.252e+04
107	9	3.115e+04 -5.363e+04	2597.60 -3719.81	0.12 0.07	-40.59 0.0	0.0 63.3	-303.40 -303.40	-649.03 -669.32	-49.87 -49.87	-4.00 -4.00	2597.60 -561.10	3.115e+04 -1.060e+04
						126.7	-303.40	-689.62	-49.87	-4.00	-3719.81	-5.363e+04
107	11	2.895e+04 -5.636e+04	2693.81 -4023.83	0.11 0.06	-40.59 0.0	0.0 63.3	-411.34 -411.34	-653.19 -673.49	-53.03 -53.03	-4.14 -4.14	2693.81 -665.01	2.895e+04 -1.306e+04
						126.7	-411.34	-693.78	-53.03	-4.14	-4023.83	-5.636e+04
107	18	2.148e+04 -4.503e+04	3338.33 -4345.00	0.08 0.08	-40.59 0.0	0.0 63.3	-378.03 -378.03	-504.80 -525.09	-60.66 -60.66	-1.36 -1.36	3338.33 -503.33	2.148e+04 -1.113e+04
						126.7	-378.03	-545.39	-60.66	-1.36	-4345.00	-4.503e+04
107	27	-1.054e+04 -8.560e+04	1.003e+04 1235.17	0.03 0.07	-31.22 0.0	0.0 63.3	-177.79 -177.79	-577.13 -592.75	-147.27 -147.27	0.30 0.30	1.003e+04 5630.75	-1.054e+04 -4.757e+04
						126.7	-177.79	-608.36	-147.27	0.30	1235.17	-8.560e+04
107	30	3.687e+04 3.327e+04	-3733.36 -8811.49	0.11 -0.05	-31.22 0.0	0.0 63.3	-211.62 -211.62	44.18 28.57	117.95 117.95	-4.76 -4.76	-8811.49 -6272.43	3.327e+04 3.556e+04
						126.7	-211.62	12.96	117.95	-4.76	-3733.36	3.687e+04
107	31	-4193.26 -6.788e+04	1.420e+04 3918.94	0.03 0.14	-31.22 0.0	0.0 63.3	-170.45 -170.45	-487.34 -502.96	-197.78 -197.78	3.37 3.37	1.420e+04 9057.60	-4193.26 -3.554e+04
						126.7	-170.45	-518.57	-197.78	3.37	3918.94	-6.788e+04
107	34	2.692e+04 1.915e+04	-6417.13 -1.298e+04	0.09 -0.13	-31.22 0.0	0.0 63.3	-218.96 -218.96	-45.61 -61.22	168.46 168.46	-7.83 -7.83	-1.298e+04 -9699.28	2.692e+04 2.353e+04
						126.7	-218.96	-76.83	168.46	-7.83	-6417.13	1.915e+04
107	52	1.792e+04 -6248.29	9631.41 -5364.53	0.06 0.27	-31.22 0.0	0.0 63.3	-142.90 -142.90	-175.13 -190.74	79.29 79.29	11.47 11.47	-5364.53 2133.44	1.792e+04 6330.93
						126.7	-142.90	-206.35	79.29	11.47	9631.41	-6248.29
107	53	4810.01 -4.248e+04	6579.36 -1.213e+04	0.03 -0.25	-31.22 0.0	0.0 63.3	-246.51 -246.51	-357.82 -373.43	-108.61 -108.61	-15.93 -15.93	6579.36 -2775.12	4810.01 -1.834e+04
						126.7	-246.51	-389.04	-108.61	-15.93	-1.213e+04	-4.248e+04
107	59	808.13 -5.387e+04	5138.14 -83.01	0.03 0.04	-31.22 0.0	0.0 63.3	-186.30 -186.30	-416.08 -431.69	-78.05 -78.05	-1.11 -1.11	5138.14 2527.56	808.13 -2.603e+04
						126.7	-186.30	-447.30	-78.05	-1.11	-83.01	-5.387e+04
107	62	2.192e+04 5135.13	-2415.17 -3923.30	0.07 -0.02	-31.22 0.0	0.0 63.3	-203.11 -203.11	-116.87 -132.48	48.74 48.74	-3.35 -3.35	-3923.30 -3169.24	2.192e+04 1.402e+04
						126.7	-203.11	-148.10	48.74	-3.35	-2415.17	5135.13
107	63	3912.07 -4.519e+04	7117.78 1225.43	0.03 0.07	-31.22 0.0	0.0 63.3	-182.80 -182.80	-372.08 -387.69	-101.92 -101.92	0.33 0.33	7117.78 4171.60	3912.07 -2.014e+04
						126.7	-182.80	-403.30	-101.92	0.33	1225.43	-4.519e+04
107	77	8427.10 -3.246e+04	3656.15 -6416.65	0.04 -0.14	-31.22 0.0	0.0 63.3	-215.14 -215.14	-307.22 -322.84	-56.83 -56.83	-9.89 -9.89	3656.15 -1380.25	8427.10 -1.152e+04
						126.7	-215.14	-338.45	-56.83	-9.89	-6416.65	-3.246e+04
107	84	1.449e+04 -1.574e+04	3910.37 -2294.04	0.05 0.12	-31.22 0.0	0.0 63.3	-169.55 -169.55	-223.02 -238.64	30.56 30.56	4.16 4.16	-2294.04 808.17	1.449e+04 -128.16
						126.7	-169.55	-254.25	30.56	4.16	3910.37	-1.574e+04
107	85	8238.08 -3.299e+04	3508.87 -6408.56	0.04 -0.10	-31.22 0.0	0.0 63.3	-219.86 -219.86	-309.93 -325.54	-59.87 -59.87	-8.62 -8.62	3508.87 -1449.84	8238.08 -1.188e+04
						126.7	-219.86	-341.15	-59.87	-8.62	-6408.56	-3.299e+04
107	87	1.205e+04 -2.344e+04	1469.88 -1966.22	0.05 0.04	-31.22 0.0	0.0 63.3	-168.77 -168.77	-264.55 -280.16	-27.13 -27.13	-0.90 -0.90	1469.88 -248.17	1.205e+04 -5199.40
						126.7	-168.77	-295.77	-27.13	-0.90	-1966.22	-2.344e+04
107	90	1.497e+04 -3.348e+04	1725.12 -2577.65	0.05 0.03	-31.22 0.0	0.0 63.3	-297.03 -297.03	-366.95 -382.56	-33.97 -33.97	-2.03 -2.03	1725.12 -426.26	1.497e+04 -8761.57
						126.7	-297.03	-398.17	-33.97	-2.03	-2577.65	-3.348e+04
107	91	2.209e+04 -3.834e+04	1797.11 -2609.98	0.09 0.05	-31.22 0.0	0.0 63.3	-219.70 -219.70	-461.43 -477.04	-34.79 -34.79	-2.88 -2.88	1797.11 -406.44	2.209e+04 -7632.50
						126.7	-219.70	-492.65	-34.79	-2.88	-2609.98	-3.834e+04
107	93	2.062e+04 -4.016e+04	1861.25 -2812.67	0.08 0.04	-31.22 0.0	0.0 63.3	-291.66 -291.66	-464.20 -479.81	-36.90 -36.90	-2.98 -2.98	1861.25 -475.71	2.062e+04 -9274.43
						126.7	-291.66	-495.42	-36.90	-2.98	-2812.67	-4.016e+04
107	97	1.564e+04 -3.261e+04	2290.93 -3026.78	0.06 0.06	-31.22 0.0	0.0 63.3	-269.46 -269.46	-365.27 -380.88	-41.98 -41.98	-1.13 -1.13	2290.93 -367.92	1.564e+04 -7989.67

107	98	1.199e+04	579.93	0.05	-31.22	126.7	-269.46	-396.50	-41.98	-1.13	-3026.78	-3.261e+04
		-2.359e+04	-1162.23	9.71e-03	0.0	0.0	-163.87	-265.29	-13.75	-2.19	579.93	1.199e+04
						63.3	-163.87	-280.90	-13.75	-2.19	-291.15	-5301.71
107	99	1.095e+04	625.74	0.04	-31.22	126.7	-163.87	-296.51	-13.75	-2.19	-1162.23	-2.359e+04
		-2.488e+04	-1307.00	5.55e-03	0.0	0.0	-215.27	-267.27	-15.26	-2.26	625.74	1.095e+04
						63.3	-215.27	-282.88	-15.26	-2.26	-340.63	-6474.52
107	100	1.400e+04	645.37	0.05	-31.22	126.7	-215.27	-298.49	-15.26	-2.26	-1307.00	-2.488e+04
		-2.657e+04	-1290.98	0.01	0.0	0.0	-174.06	-304.66	-15.29	-2.58	645.37	1.400e+04
						63.3	-174.06	-320.27	-15.29	-2.58	-322.80	-5788.34
107	102	1.337e+04	672.86	0.05	-31.22	126.7	-174.06	-335.88	-15.29	-2.58	-1290.98	-2.657e+04
		-2.735e+04	-1377.85	8.72e-03	0.0	0.0	-204.89	-305.85	-16.19	-2.63	672.86	1.337e+04
						63.3	-204.89	-321.46	-16.19	-2.63	-352.49	-6492.02
107	104	1.138e+04	904.06	0.04	-31.22	126.7	-204.89	-337.07	-16.19	-2.63	-1377.85	-2.735e+04
		-2.432e+04	-1517.09	0.02	0.0	0.0	-196.34	-266.23	-19.11	-1.80	904.06	1.138e+04
						63.3	-196.34	-281.84	-19.11	-1.80	-306.51	-5971.29
107	105	1.199e+04	579.93	0.05	-31.22	126.7	-196.34	-297.45	-19.11	-1.80	-1517.09	-2.432e+04
		-2.359e+04	-1162.23	9.71e-03	0.0	0.0	-163.87	-265.29	-13.75	-2.19	579.93	1.199e+04
						63.3	-163.87	-280.90	-13.75	-2.19	-291.15	-5301.71
107	106	1.137e+04	607.42	0.04	-31.22	126.7	-163.87	-296.51	-13.75	-2.19	-1162.23	-2.359e+04
		-2.437e+04	-1249.09	7.21e-03	0.0	0.0	-194.71	-266.48	-14.66	-2.23	607.42	1.137e+04
						63.3	-194.71	-282.09	-14.66	-2.23	-320.84	-6005.40
108	7	2.443e+04	910.17	-0.02	-31.22	126.7	-194.71	-297.70	-14.66	-2.23	-1249.09	-2.437e+04
		2.159e+04	611.41	0.02	0.0	0.0	-175.62	-6.75	-2.36	6.46	910.17	2.443e+04
						63.3	-175.62	-22.36	-2.36	6.46	760.79	2.350e+04
108	9	6.006e+04	1666.81	-0.06	-40.59	126.7	-175.62	-37.97	-2.36	6.46	611.41	2.159e+04
		5.839e+04	1353.59	0.04	0.0	0.0	-833.55	32.71	-2.47	15.41	1666.81	5.839e+04
						63.3	-833.55	12.41	-2.47	15.41	1510.20	5.982e+04
108	11	5.992e+04	1788.45	-0.05	-40.59	126.7	-833.55	-7.88	-2.47	15.41	1353.59	5.996e+04
		5.912e+04	1251.88	0.03	0.0	0.0	-753.73	22.67	-4.24	15.29	1788.45	5.912e+04
						63.3	-753.73	2.37	-4.24	15.29	1520.16	5.991e+04
108	21	2.484e+04	866.01	-0.02	-31.22	126.7	-753.73	-17.92	-4.24	15.29	1251.88	5.942e+04
		2.098e+04	859.46	0.05	0.0	0.0	-193.28	-14.80	0.05	6.59	859.46	2.484e+04
						63.3	-193.28	-30.41	0.05	6.59	862.74	2.340e+04
108	23	3.843e+04	7734.11	0.08	-31.22	126.7	-193.28	-46.02	0.05	6.59	866.01	2.098e+04
		6737.41	-391.11	0.08	0.0	0.0	-22.80	-234.62	-2.08	12.18	-391.11	3.843e+04
						63.3	-22.80	-250.23	-2.08	12.18	3671.50	2.308e+04
108	26	4.210e+04	1974.25	-0.08	-31.22	126.7	-22.80	-265.84	-2.08	12.18	7734.11	6737.41
		8378.31	-6884.20	-0.07	0.0	0.0	-580.29	281.86	-3.70	1.23	1974.25	8378.31
						63.3	-580.29	266.25	-3.70	1.23	-2454.97	2.574e+04
108	27	3.847e+04	7360.94	0.08	-31.22	126.7	-580.29	250.64	-3.70	1.23	-6884.20	4.210e+04
		6707.04	-432.49	0.11	0.0	0.0	-26.88	-235.13	3.40	12.28	-432.49	3.847e+04
						63.3	-26.88	-250.74	3.40	12.28	3464.23	2.308e+04
108	30	4.213e+04	2015.63	-0.08	-31.22	126.7	-26.88	-266.35	3.40	12.28	7360.94	6707.04
		8343.74	-6511.02	-0.11	0.0	0.0	-576.21	282.37	-9.19	1.13	2015.63	8343.74
						63.3	-576.21	266.76	-9.19	1.13	-2247.70	2.573e+04
108	43	3.239e+04	1.045e+04	0.05	-31.22	126.7	-576.21	251.15	-9.19	1.13	-6511.02	4.213e+04
		1.381e+04	5721.01	-0.27	0.0	0.0	-97.31	-131.10	-59.60	12.30	5721.01	3.239e+04
						63.3	-97.31	-146.71	-59.60	12.30	8087.33	2.359e+04
108	46	3.503e+04	-4137.87	-0.05	-31.22	126.7	-146.71	-162.33	-59.60	12.30	1.045e+04	1.381e+04
		1.442e+04	-9603.74	0.27	0.0	0.0	-505.77	178.35	53.81	1.11	-4137.87	1.442e+04
						63.3	-505.77	162.74	53.81	1.11	-6870.80	2.522e+04
108	55	3.064e+04	3911.80	0.04	-31.22	126.7	-505.77	147.13	53.81	1.11	-9603.74	3.503e+04
		1.591e+04	227.43	0.04	0.0	0.0	-166.72	-100.64	-2.62	9.36	227.43	3.064e+04
						63.3	-166.72	-116.25	-2.62	9.36	2069.62	2.377e+04
108	58	3.293e+04	1355.71	-0.05	-31.22	126.7	-166.72	-131.86	-2.62	9.36	3911.80	1.591e+04
		1.618e+04	-3061.88	-0.04	0.0	0.0	-436.36	147.88	-3.17	4.05	1355.71	1.618e+04
						63.3	-436.36	132.27	-3.17	4.05	-853.09	2.505e+04
108	59	3.065e+04	3765.55	0.04	-31.22	126.7	-436.36	116.66	-3.17	4.05	-3061.88	3.293e+04
		1.590e+04	224.43	0.05	0.0	0.0	-168.66	-100.83	0.11	9.40	224.43	3.065e+04
						63.3	-168.66	-116.44	0.11	9.40	1994.99	2.377e+04
108	62	3.294e+04	1358.71	-0.05	-31.22	126.7	-168.66	-132.05	0.11	9.40	3765.55	1.590e+04
		1.616e+04	-2915.63	-0.05	0.0	0.0	-434.43	148.07	-5.90	4.01	1358.71	1.616e+04
						63.3	-434.43	132.46	-5.90	4.01	-778.46	2.505e+04
108	75	2.770e+04	5173.65	0.02	-31.22	126.7	-434.43	116.85	-5.90	4.01	-2915.63	3.294e+04
		1.935e+04	3028.06	-0.11	0.0	0.0	-202.48	-50.34	-30.47	9.44	3028.06	2.770e+04
						63.3	-202.48	-65.95	-30.47	9.44	4100.86	2.402e+04
108	78	2.950e+04	-1444.92	-0.04	-31.22	126.7	-202.48	-81.56	-30.47	9.44	5173.65	1.935e+04
		1.911e+04	-4323.73	0.12	0.0	0.0	-400.61	97.58	24.68	3.96	-1444.92	1.911e+04
						63.3	-400.61	81.97	24.68	3.96	-2884.33	2.480e+04
108	89	2.465e+04	874.08	-0.02	-31.22	126.7	-400.61	66.36	24.68	3.96	-4323.73	2.950e+04
		2.321e+04	568.17	0.02	0.0	0.0	-231.77	4.57	-2.42	6.70	874.08	2.461e+04
						63.3	-231.77	-11.04	-2.42	6.70	721.12	2.441e+04
108	91	4.270e+04	1197.09	-0.04	-31.22	126.7	-231.77	-26.65	-2.42	6.70	568.17	2.321e+04
		4.143e+04	953.71	0.03	0.0	0.0	-592.38	25.09	-1.92	11.02	1197.09	4.143e+04
						63.3	-592.38	9.48	-1.92	11.02	1075.40	4.252e+04
108	93	4.260e+04	1278.18	-0.04	-31.22	126.7	-592.38	-6.13	-1.92	11.02	953.71	4.263e+04
						0.0	-539.16	18.40	-3.10	10.94	1278.18	4.191e+04

		4.191e+04	885.91	0.02	0.0	63.3	-539.16	2.79	-3.10	10.94	1082.04	4.258e+04
						126.7	-539.16	-12.82	-3.10	10.94	885.91	4.226e+04
108	96	2.488e+04	840.28	-0.02	-31.22	0.0	-243.54	-0.79	-0.81	6.79	840.28	2.488e+04
		2.281e+04	737.90	0.03	0.0	63.3	-243.54	-16.40	-0.81	6.79	789.09	2.434e+04
						126.7	-243.54	-32.02	-0.81	6.79	737.90	2.281e+04
108	98	2.462e+04	756.82	-0.02	-31.22	0.0	-324.35	26.49	-2.39	6.74	756.82	2.320e+04
		2.320e+04	454.02	4.29e-03	0.0	63.3	-324.35	10.88	-2.39	6.74	605.42	2.438e+04
						126.7	-324.35	-4.73	-2.39	6.74	454.02	2.458e+04
108	99	2.450e+04	814.74	-0.02	-31.22	0.0	-286.34	21.71	-3.23	6.68	814.74	2.354e+04
		2.354e+04	405.59	-1.52e-03	0.0	63.3	-286.34	6.10	-3.23	6.68	610.16	2.442e+04
						126.7	-286.34	-9.51	-3.23	6.68	405.59	2.432e+04
108	100	2.837e+04	844.59	-0.03	-31.22	0.0	-381.27	28.68	-2.63	7.58	844.59	2.670e+04
		2.670e+04	511.75	5.17e-03	0.0	63.3	-381.27	13.07	-2.63	7.58	678.17	2.802e+04
						126.7	-381.27	-2.54	-2.63	7.58	511.75	2.836e+04
108	102	2.826e+04	879.34	-0.03	-31.22	0.0	-358.46	25.81	-3.13	7.55	879.34	2.691e+04
		2.691e+04	482.70	2.57e-03	0.0	63.3	-358.46	10.20	-3.13	7.55	681.02	2.805e+04
						126.7	-358.46	-5.41	-3.13	7.55	482.70	2.820e+04
108	105	2.462e+04	756.82	-0.02	-31.22	0.0	-324.35	26.49	-2.39	6.74	756.82	2.320e+04
		2.320e+04	454.02	4.29e-03	0.0	63.3	-324.35	10.88	-2.39	6.74	605.42	2.438e+04
						126.7	-324.35	-4.73	-2.39	6.74	454.02	2.458e+04
108	106	2.454e+04	791.57	-0.02	-31.22	0.0	-301.54	23.62	-2.89	6.70	791.57	2.341e+04
		2.341e+04	424.96	1.69e-03	0.0	63.3	-301.54	8.01	-2.89	6.70	608.27	2.441e+04
						126.7	-301.54	-7.60	-2.89	6.70	424.96	2.442e+04
109	7	2.160e+04	3984.75	0.09	-31.22	0.0	-179.52	-528.25	31.28	6.46	22.44	2.160e+04
		-4.729e+04	22.44	0.04	0.0	63.3	-179.52	-543.86	31.28	6.46	2003.60	-1.235e+04
						126.7	-179.52	-559.47	31.28	6.46	3984.75	-4.729e+04
109	9	5.997e+04	1855.73	0.24	-40.59	0.0	-837.40	-1303.94	7.02	15.41	966.81	5.997e+04
		-1.078e+05	966.81	0.07	0.0	63.3	-837.40	-1324.24	7.02	15.41	1411.27	-2.326e+04
						126.7	-837.40	-1344.53	7.02	15.41	1855.73	-1.078e+05
109	11	5.942e+04	2399.92	0.24	-40.59	0.0	-758.02	-1313.98	12.56	15.29	808.60	5.942e+04
		-1.096e+05	808.60	0.06	0.0	63.3	-758.02	-1334.28	12.56	15.29	1604.26	-2.444e+04
						126.7	-758.02	-1354.57	12.56	15.29	2399.92	-1.096e+05
109	21	2.099e+04	6470.17	0.09	-31.22	0.0	-198.78	-536.30	51.77	6.59	-87.36	2.099e+04
		-4.892e+04	-87.36	0.08	0.0	63.3	-198.78	-551.91	51.77	6.59	3191.40	-1.347e+04
						126.7	-198.78	-567.52	51.77	6.59	6470.17	-4.892e+04
109	27	6709.05	8465.50	0.07	-31.22	0.0	-319.35	-768.69	-81.49	12.28	6289.46	6709.05
		-9.263e+04	6289.46	0.07	0.0	63.3	-319.35	-784.30	-81.49	12.28	7377.48	-4.246e+04
						126.7	-319.35	-799.91	-81.49	12.28	8465.50	-9.263e+04
109	30	4.214e+04	-5317.32	0.15	-31.22	0.0	-285.16	-267.84	62.07	1.13	-5317.32	4.214e+04
		6222.35	-9954.26	-0.05	0.0	63.3	-285.16	-283.46	62.07	1.13	-7635.79	2.467e+04
						126.7	-285.16	-299.07	62.07	1.13	-9954.26	6222.35
109	35	1.141e+04	1.599e+04	0.07	-31.22	0.0	-390.00	-701.10	51.84	12.92	7821.46	1.141e+04
		-7.936e+04	7821.46	0.16	0.0	63.3	-390.00	-716.72	51.84	12.92	1.190e+04	-3.348e+04
						126.7	-390.00	-732.33	51.84	12.92	1.599e+04	-7.936e+04
109	36	1.590e+04	9057.99	0.08	-31.22	0.0	-457.89	-638.56	110.28	10.24	4434.66	1.590e+04
		-6.695e+04	4434.66	0.28	0.0	63.3	-457.89	-654.17	110.28	10.24	6746.32	-2.503e+04
						126.7	-457.89	-669.78	110.28	10.24	9057.99	-6.695e+04
109	37	3.294e+04	-3462.52	0.12	-31.22	0.0	-146.62	-397.97	-129.70	3.17	-3462.52	3.294e+04
		-1.945e+04	-1.055e+04	-0.26	0.0	63.3	-146.62	-413.59	-129.70	3.17	-7004.63	7241.84
						126.7	-146.62	-429.20	-129.70	3.17	-1.055e+04	-1.945e+04
109	38	3.743e+04	-6849.32	0.13	-31.22	0.0	-214.51	-335.43	-71.27	0.49	-6849.32	3.743e+04
		-7042.32	-1.747e+04	-0.15	0.0	63.3	-214.51	-351.04	-71.27	0.49	-1.216e+04	1.569e+04
						126.7	-214.51	-366.65	-71.27	0.49	-1.747e+04	-7042.32
109	59	1.590e+04	3617.04	0.08	-31.22	0.0	-310.10	-638.60	-43.08	9.40	3266.95	1.590e+04
		-6.696e+04	3266.95	0.04	0.0	63.3	-310.10	-654.21	-43.08	9.40	3442.00	-2.503e+04
						126.7	-310.10	-669.82	-43.08	9.40	3617.04	-6.696e+04
109	62	3.294e+04	-2294.81	0.12	-31.22	0.0	-294.41	-397.94	23.65	4.01	-2294.81	3.294e+04
		-1.944e+04	-5105.80	-0.02	0.0	63.3	-294.41	-413.55	23.65	4.01	-3700.30	7243.60
						126.7	-294.41	-429.16	23.65	4.01	-5105.80	-1.944e+04
109	67	1.822e+04	7113.35	0.08	-31.22	0.0	-344.36	-605.26	18.05	9.71	3994.47	1.822e+04
		-6.042e+04	3994.47	0.08	0.0	63.3	-344.36	-620.87	18.05	9.71	5553.91	-2.060e+04
						126.7	-344.36	-636.48	18.05	9.71	7113.35	-6.042e+04
109	68	2.036e+04	3862.60	0.09	-31.22	0.0	-376.92	-575.51	45.25	8.40	2355.49	2.036e+04
		-5.451e+04	2355.49	0.13	0.0	63.3	-376.92	-591.12	45.25	8.40	3109.05	-1.658e+04
						126.7	-376.92	-606.73	45.25	8.40	3862.60	-5.451e+04
109	69	2.848e+04	-1383.35	0.11	-31.22	0.0	-227.59	-461.03	-64.68	5.01	-1383.35	2.848e+04
		-3.189e+04	-5351.36	-0.11	0.0	63.3	-227.59	-476.64	-64.68	5.01	-3367.35	-1211.20
						126.7	-227.59	-492.25	-64.68	5.01	-5351.36	-3.189e+04
109	70	3.063e+04	-3022.33	0.12	-31.22	0.0	-260.15	-431.28	-37.47	3.70	-3022.33	3.063e+04
		-2.599e+04	-8602.11	-0.06	0.0	63.3	-260.15	-446.89	-37.47	3.70	-5812.22	2814.05
						126.7	-260.15	-462.50	-37.47	3.70	-8602.11	-2.599e+04
109	89	2.321e+04	2337.06	0.10	-31.22	0.0	-234.57	-537.32	16.85	6.70	202.99	2.321e+04
		-4.682e+04	202.99	0.03	0.0	63.3	-234.57	-552.93	16.85	6.70	1270.03	-1.131e+04
						126.7	-234.57	-568.54	16.85	6.70	2337.06	-4.682e+04
109	91	4.263e+04	1136.66	0.17	-31.22	0.0	-595.01	-924.66	3.41	11.02	704.43	4.263e+04
		-7.647e+04	704.43	0.05	0.0	63.3	-595.01	-940.27	3.41	11.02	920.55	-1.642e+04
						126.7	-595.01	-955.89	3.41	11.02	1136.66	-7.647e+04

109	93	4.227e+04 -7.768e+04	1499.45 598.96	0.17 0.04	-31.22 0.0	0.0 63.3	-542.09 -542.09	-931.36 -946.97	7.11 7.11	10.94 10.94	598.96 1049.21	4.227e+04 -1.721e+04
						126.7	-542.09	-962.58	7.11	10.94	1499.45	-7.768e+04
109	96	2.281e+04 -4.791e+04	3994.00 129.79	0.09 0.05	-31.22 0.0	0.0 63.3	-247.41 -247.41	-542.68 -558.29	30.51 30.51	6.79 6.79	129.79 2061.90	2.281e+04 -1.206e+04
						126.7	-247.41	-573.91	30.51	6.79	3994.00	-4.791e+04
109	99	2.432e+04 -4.355e+04	455.94 -640.72	0.10 6.16e-03	-31.22 0.0	0.0 63.3	-287.14 -287.14	-520.18 -535.79	-8.66 -8.66	6.68 6.68	455.94 -92.39	2.432e+04 -9120.30
						126.7	-287.14	-551.40	-8.66	6.68	-640.72	-4.355e+04
109	100	2.836e+04 -4.896e+04	601.43 -1036.29	0.11 0.01	-31.22 0.0	0.0 63.3	-381.90 -381.90	-594.78 -610.39	-12.93 -12.93	7.58 7.58	601.43 -217.43	2.836e+04 -9805.50
						126.7	-381.90	-626.00	-12.93	7.58	-1036.29	-4.896e+04
109	102	2.820e+04 -4.948e+04	556.22 -880.80	0.11 9.37e-03	-31.22 0.0	0.0 63.3	-359.22 -359.22	-597.65 -613.26	-11.34 -11.34	7.55 7.55	556.22 -162.29	2.820e+04 -1.014e+04
						126.7	-359.22	-628.87	-11.34	7.55	-880.80	-4.948e+04
109	105	2.458e+04 -4.268e+04	531.27 -899.86	0.10 0.01	-31.22 0.0	0.0 63.3	-324.93 -324.93	-515.40 -531.01	-11.30 -11.30	6.74 6.74	531.27 -184.29	2.458e+04 -8557.18
						126.7	-324.93	-546.62	-11.30	6.74	-899.86	-4.268e+04
109	106	2.442e+04 -4.320e+04	486.07 -744.38	0.10 7.81e-03	-31.22 0.0	0.0 63.3	-302.26 -302.26	-518.27 -533.88	-9.71 -9.71	6.70 6.70	486.07 -129.15	2.442e+04 -8895.05
						126.7	-302.26	-549.49	-9.71	6.70	-744.38	-4.320e+04
110	9	5.177e+04 4.888e+04	1060.97 112.05	-0.04 0.04	-40.59 0.0	0.0 63.3	-760.85 -760.85	-2.52 -22.82	-7.49 -7.49	15.74 15.74	1060.97 586.51	5.177e+04 5.097e+04
						126.7	-760.85	-43.11	-7.49	15.74	112.05	4.888e+04
110	11	5.149e+04 4.922e+04	1201.01 52.96	-0.04 0.03	-40.59 0.0	0.0 63.3	-755.59 -755.59	2.40 -17.90	-9.06 -9.06	15.53 15.53	1201.01 626.98	5.148e+04 5.099e+04
						126.7	-755.59	-38.19	-9.06	15.53	52.96	4.922e+04
110	19	2.350e+04 1.495e+04	505.51 381.88	0.02 0.05	-31.22 0.0	0.0 63.3	-156.16 -156.16	-51.93 -67.54	0.98 0.98	7.42 7.42	381.88 443.69	2.350e+04 1.972e+04
						126.7	-156.16	-83.15	0.98	7.42	505.51	1.495e+04
110	21	2.322e+04 1.529e+04	521.91 446.42	0.02 0.05	-31.22 0.0	0.0 63.3	-150.90 -150.90	-47.01 -62.62	-0.60 -0.60	7.21 7.21	521.91 484.16	2.322e+04 1.975e+04
						126.7	-150.90	-78.23	-0.60	7.21	446.42	1.529e+04
110	32	3.816e+04 -1273.04	5160.24 -5927.61	0.10 0.41	-31.22 0.0	0.0 63.3	-262.29 -262.29	-295.70 -311.32	18.29 18.29	12.06 12.06	-5927.61 -383.69	3.816e+04 1.894e+04
						126.7	-262.29	-326.93	18.29	12.06	5160.24	-1273.04
110	33	4.351e+04 1385.31	7043.92 -5442.58	-0.10 -0.41	-31.22 0.0	0.0 63.3	-485.94 -485.94	348.13 332.52	-29.33 -29.33	1.45 1.45	7043.92 800.67	1385.31 2.294e+04
						126.7	-485.94	316.91	-29.33	1.45	-5442.58	4.351e+04
110	36	3.768e+04 -693.20	5549.98 -5861.57	0.10 0.38	-31.22 0.0	0.0 63.3	-259.53 -259.53	-287.33 -302.94	50.37 50.37	11.94 11.94	-5861.57 -155.79	3.768e+04 1.899e+04
						126.7	-259.53	-318.55	50.37	11.94	5549.98	-693.20
110	37	4.293e+04 1865.85	6977.87 -5832.31	-0.10 -0.38	-31.22 0.0	0.0 63.3	-488.70 -488.70	339.76 324.14	-61.41 -61.41	1.57 1.57	6977.87 572.78	1865.85 2.289e+04
						126.7	-488.70	308.53	-61.41	1.57	-5832.31	4.293e+04
110	43	3.150e+04 1.122e+04	9908.19 5150.64	-0.05 -0.26	-31.22 0.0	0.0 63.3	-414.06 -414.06	175.74 160.13	71.98 71.98	15.23 15.23	5150.64 7529.41	1.122e+04 2.186e+04
						126.7	-414.06	144.52	71.98	15.23	9908.19	3.150e+04
110	46	2.833e+04 1.073e+04	-4034.33 -1.019e+04	0.05 0.27	-31.22 0.0	0.0 63.3	-334.17 -334.17	-123.32 -138.93	-83.02 -83.02	-1.72 -1.72	-4034.33 -7112.43	2.833e+04 2.002e+04
						126.7	-334.17	-154.54	-83.02	-1.72	-1.019e+04	1.073e+04
110	56	2.814e+04 1.098e+04	1094.07 -1401.39	0.05 0.13	-31.22 0.0	0.0 63.3	-335.11 -335.11	-119.87 -135.48	-2.39 -2.39	8.86 8.86	-1401.39 -153.66	2.814e+04 2.005e+04
						126.7	-335.11	-151.09	-2.39	8.86	1094.07	1.098e+04
110	57	3.125e+04 1.141e+04	2517.69 -1376.40	-0.05 -0.13	-31.22 0.0	0.0 63.3	-413.12 -413.12	172.29 156.68	-8.65 -8.65	4.65 4.65	2517.69 570.64	1.141e+04 2.183e+04
						126.7	-413.12	141.07	-8.65	4.65	-1376.40	3.125e+04
110	63	2.456e+04 1.528e+04	4611.00 -735.25	0.03 0.09	-31.22 0.0	0.0 63.3	-339.03 -339.03	-57.65 -73.27	24.22 24.22	11.12 11.12	-735.25 1937.88	2.456e+04 2.041e+04
						126.7	-339.03	-88.88	24.22	11.12	4611.00	1.528e+04
110	66	2.695e+04 1.499e+04	1851.55 -4893.33	-0.04 -0.09	-31.22 0.0	0.0 63.3	-409.20 -409.20	110.08 94.47	-35.27 -35.27	2.39 2.39	1851.55 -1520.89	2.695e+04 2.146e+04
						126.7	-409.20	78.85	-35.27	2.39	-4893.33	2.695e+04
110	68	2.776e+04 1.138e+04	2584.55 -2349.73	0.04 0.17	-31.22 0.0	0.0 63.3	-317.73 -317.73	-113.68 -129.29	20.93 20.93	9.21 9.21	-2349.73 117.41	2.776e+04 2.007e+04
						126.7	-317.73	-144.90	20.93	9.21	2584.55	1.138e+04
110	69	3.085e+04 1.179e+04	3466.04 -2866.88	-0.05 -0.17	-31.22 0.0	0.0 63.3	-430.50 -430.50	166.10 150.49	-31.97 -31.97	4.30 4.30	3466.04 299.58	1.179e+04 2.181e+04
						126.7	-430.50	134.88	-31.97	4.30	-2866.88	3.085e+04
110	91	3.666e+04 3.486e+04	765.46 60.79	-0.03 0.03	-31.22 0.0	0.0 63.3	-548.66 -548.66	1.43 -14.18	-5.56 -5.56	11.26 11.26	765.46 413.12	3.666e+04 3.625e+04
						126.7	-548.66	-29.79	-5.56	11.26	60.79	3.486e+04
110	93	3.651e+04 3.508e+04	858.81 21.39	-0.03 0.02	-31.22 0.0	0.0 63.3	-545.15 -545.15	4.71 -10.90	-6.61 -6.61	11.12 11.12	858.81 440.10	3.647e+04 3.627e+04
						126.7	-545.15	-26.51	-6.61	11.12	21.39	3.508e+04
110	94	2.279e+04 1.750e+04	438.24 292.92	0.02 0.04	-31.22 0.0	0.0 63.3	-237.97 -237.97	-26.15 -41.76	-1.15 -1.15	7.36 7.36	438.24 365.58	2.279e+04 2.064e+04

110	96	2.260e+04	531.60	0.02	-31.22	126.7	-237.97	-57.37	-1.15	7.36	292.92	1.750e+04
		1.773e+04	253.52	0.03	0.0	0.0	-234.46	-22.87	-2.20	7.22	531.60	2.260e+04
						63.3	-234.46	-38.48	-2.20	7.22	392.56	2.066e+04
110	99	2.121e+04	584.83	-0.02	-31.22	126.7	-234.46	-54.10	-2.20	7.22	253.52	1.773e+04
		1.972e+04	-152.42	-6.88e-04	0.0	0.0	-373.11	27.15	-5.82	6.71	584.83	1.972e+04
						63.3	-373.11	11.54	-5.82	6.71	216.20	2.094e+04
110	100	2.426e+04	577.19	-0.02	-31.22	126.7	-373.11	-4.07	-5.82	6.71	-152.42	2.118e+04
		2.286e+04	-137.33	4.84e-03	0.0	0.0	-426.74	26.25	-5.64	7.64	577.19	2.286e+04
						63.3	-426.74	10.63	-5.64	7.64	219.93	2.403e+04
110	102	2.433e+04	617.20	-0.02	-31.22	126.7	-426.74	-4.98	-5.64	7.64	-137.33	2.421e+04
		2.278e+04	-154.22	2.26e-03	0.0	0.0	-425.24	27.65	-6.09	7.58	617.20	2.278e+04
						63.3	-425.24	12.04	-6.09	7.58	231.49	2.404e+04
110	104	2.088e+04	542.17	-0.02	-31.22	126.7	-425.24	-3.57	-6.09	7.58	-154.22	2.431e+04
		2.036e+04	-57.73	8.19e-03	0.0	0.0	-346.59	16.02	-4.74	6.86	542.17	2.036e+04
						63.3	-346.59	0.41	-4.74	6.86	242.22	2.088e+04
110	105	2.110e+04	518.14	-0.02	-31.22	126.7	-346.59	-15.20	-4.74	6.86	-57.73	2.041e+04
		1.985e+04	-124.28	3.99e-03	0.0	0.0	-375.62	24.81	-5.07	6.82	518.14	1.985e+04
						63.3	-375.62	9.20	-5.07	6.82	196.93	2.093e+04
110	106	2.117e+04	558.15	-0.02	-31.22	126.7	-375.62	-6.42	-5.07	6.82	-124.28	2.102e+04
		1.977e+04	-141.17	1.42e-03	0.0	0.0	-374.12	26.21	-5.52	6.76	558.15	1.977e+04
						63.3	-374.12	10.60	-5.52	6.76	208.49	2.094e+04
111	9	4.887e+04	6119.21	0.20	-40.59	126.7	-374.12	-5.01	-5.52	6.76	-141.17	2.112e+04
		-9.988e+04	-819.32	0.06	0.0	0.0	-760.41	-1154.02	54.78	15.74	-819.32	4.887e+04
						63.3	-760.41	-1174.32	54.78	15.74	2649.94	-2.486e+04
111	11	4.921e+04	6319.90	0.20	-40.59	126.7	-760.41	-1194.61	54.78	15.74	6119.21	-9.988e+04
		-9.892e+04	-894.91	0.05	0.0	0.0	-754.38	-1149.10	56.96	15.53	-894.91	4.921e+04
						63.3	-754.38	-1169.40	56.96	15.53	2712.50	-2.421e+04
111	18	3.514e+04	8934.06	0.15	-40.59	126.7	-754.38	-1189.69	56.96	15.53	6319.90	-9.892e+04
		-8.433e+04	-1026.24	0.08	0.0	0.0	-478.54	-922.88	78.63	12.77	-1026.24	3.514e+04
						63.3	-478.54	-943.17	78.63	12.77	3953.91	-2.396e+04
111	21	1.528e+04	8318.75	0.07	-31.22	126.7	-478.54	-963.47	78.63	12.77	8934.06	-8.433e+04
		-4.983e+04	-852.07	0.07	0.0	0.0	-147.64	-498.46	72.40	7.21	-852.07	1.528e+04
						63.3	-147.64	-514.08	72.40	7.21	3733.34	-1.678e+04
111	32	-1274.59	2.163e+04	0.06	-31.22	126.7	-147.64	-529.69	72.40	7.21	8318.75	-4.983e+04
		-9.940e+04	3934.90	0.31	0.0	0.0	-576.38	-759.13	184.61	12.06	3934.90	-1274.59
						63.3	-576.38	-774.74	184.61	12.06	1.278e+04	-4.985e+04
111	33	4.350e+04	-4432.44	0.15	-31.22	126.7	-576.38	-790.35	184.61	12.06	2.163e+04	-9.940e+04
		2.552e+04	-1.991e+04	-0.30	0.0	0.0	-172.37	-126.32	-167.12	1.45	-4432.44	4.350e+04
						63.3	-172.37	-141.93	-167.12	1.45	-1.217e+04	3.500e+04
111	35	7559.71	1.258e+04	0.06	-31.22	126.7	-172.37	-157.54	-167.12	1.45	-1.991e+04	2.552e+04
		-7.476e+04	7738.91	0.17	0.0	0.0	-702.14	-634.34	102.71	15.96	7738.91	7559.71
						63.3	-702.14	-649.95	102.71	15.96	1.016e+04	-3.311e+04
111	38	3.466e+04	-8236.45	0.13	-31.22	126.7	-702.14	-665.56	102.71	15.96	1.258e+04	-7.476e+04
		876.57	-1.086e+04	-0.16	0.0	0.0	-46.61	-251.11	-85.22	-2.45	-8236.45	3.466e+04
						63.3	-46.61	-266.72	-85.22	-2.45	-9549.14	1.826e+04
111	56	1.097e+04	6421.30	0.07	-31.22	126.7	-46.61	-282.33	-85.22	-2.45	-1.086e+04	876.57
		-6.519e+04	-2980.22	0.09	0.0	0.0	-454.20	-585.73	51.98	8.86	-2980.22	1.097e+04
						63.3	-454.20	-601.34	51.98	8.86	1720.54	-2.661e+04
111	57	3.125e+04	2482.68	0.11	-31.22	126.7	-454.20	-616.95	51.98	8.86	6421.30	-6.519e+04
		-8695.87	-4703.24	-0.09	0.0	0.0	-294.55	-299.72	-34.49	4.65	2482.68	3.125e+04
						63.3	-294.55	-315.34	-34.49	4.65	-1110.28	1.177e+04
111	64	1.112e+04	1.029e+04	0.06	-31.22	126.7	-294.55	-330.95	-34.49	4.65	-4703.24	-8695.87
		-6.480e+04	1750.61	0.14	0.0	0.0	-469.58	-583.78	86.18	9.26	1750.61	1.112e+04
						63.3	-469.58	-599.39	86.18	9.26	6022.72	-2.634e+04
111	65	3.110e+04	-2248.15	0.11	-31.22	126.7	-469.58	-615.00	86.18	9.26	1.029e+04	-6.480e+04
		-9089.60	-8576.76	-0.13	0.0	0.0	-279.16	-301.67	-68.69	4.25	-2248.15	3.110e+04
						63.3	-279.16	-317.28	-68.69	4.25	-5412.46	1.150e+04
111	67	1.502e+04	6147.41	0.07	-31.22	126.7	-279.16	-332.89	-68.69	4.25	-8576.76	-9089.60
		-5.395e+04	3504.12	0.07	0.0	0.0	-529.39	-528.84	49.67	11.17	3504.12	1.502e+04
						63.3	-529.39	-544.45	49.67	11.17	4825.76	-1.897e+04
111	70	2.721e+04	-4001.65	0.10	-31.22	126.7	-529.39	-560.06	49.67	11.17	6147.41	-5.395e+04
		-1.994e+04	-4429.34	-0.07	0.0	0.0	-219.35	-356.61	-32.18	2.34	-4001.65	2.721e+04
						63.3	-219.35	-372.22	-32.18	2.34	-4215.50	4126.88
111	91	3.485e+04	4169.03	0.14	-31.22	126.7	-219.35	-387.83	-32.18	2.34	-4429.34	-1.994e+04
		-7.062e+04	-571.61	0.04	0.0	0.0	-548.42	-817.11	37.43	11.26	-571.61	3.485e+04
						63.3	-548.42	-832.72	37.43	11.26	1798.71	-1.739e+04
111	93	3.508e+04	4302.82	0.14	-31.22	126.7	-548.42	-848.33	37.43	11.26	4169.03	-7.062e+04
		-6.998e+04	-622.00	0.04	0.0	0.0	-544.40	-813.83	38.88	11.12	-622.00	3.508e+04
						63.3	-544.40	-829.44	38.88	11.12	1840.41	-1.696e+04
111	96	1.772e+04	5830.40	0.08	-31.22	126.7	-544.40	-845.05	38.88	11.12	4302.82	-6.998e+04
		-4.655e+04	-648.67	0.05	0.0	0.0	-232.46	-491.81	51.15	7.22	-648.67	1.772e+04
						63.3	-232.46	-507.42	51.15	7.22	2590.86	-1.392e+04
111	97	2.570e+04	6045.59	0.11	-31.22	126.7	-232.46	-523.03	51.15	7.22	5830.40	-4.655e+04
		-6.026e+04	-709.56	0.05	0.0	0.0	-360.51	-663.01	53.33	9.28	-709.56	2.570e+04
						63.3	-360.51	-678.62	53.33	9.28	2668.02	-1.679e+04
111	100	2.420e+04	887.77	0.10	-31.22	126.7	-360.51	-694.23	53.33	9.28	6045.59	-6.026e+04
						0.0	-427.31	-512.61	8.99	7.64	-251.53	2.420e+04

		-4.270e+04	-251.53	7.09e-03	0.0	63.3	-427.31	-528.22	8.99	7.64	318.12	-8754.76
						126.7	-427.31	-543.83	8.99	7.64	887.77	-4.270e+04
111	102	2.430e+04	945.11	0.10	-31.22	0.0	-425.59	-511.21	9.62	7.58	-273.12	2.430e+04
		-4.243e+04	-273.12	4.58e-03	0.0	63.3	-425.59	-526.82	9.62	7.58	335.99	-8569.22
						126.7	-425.59	-542.43	9.62	7.58	945.11	-4.243e+04
111	104	2.041e+04	1838.02	0.08	-31.22	0.0	-346.45	-452.92	17.06	6.86	-322.99	2.041e+04
		-3.894e+04	-322.99	0.01	0.0	63.3	-346.45	-468.53	17.06	6.86	757.51	-8770.72
						126.7	-346.45	-484.14	17.06	6.86	1838.02	-3.894e+04
111	105	2.102e+04	801.69	0.08	-31.22	0.0	-376.09	-444.13	8.12	6.82	-227.17	2.102e+04
		-3.722e+04	-227.17	6.01e-03	0.0	63.3	-376.09	-459.74	8.12	6.82	287.26	-7607.26
						126.7	-376.09	-475.35	8.12	6.82	801.69	-3.722e+04
111	106	2.111e+04	859.03	0.08	-31.22	0.0	-374.37	-442.73	8.75	6.76	-248.77	2.111e+04
		-3.694e+04	-248.77	3.51e-03	0.0	63.3	-374.37	-458.34	8.75	6.76	305.13	-7421.71
						126.7	-374.37	-473.95	8.75	6.76	859.03	-3.694e+04
112	5	2.605e+04	1091.48	0.05	-31.22	0.0	-1.11	15.60	17.64	0.0	-1143.23	2.555e+04
		2.555e+04	-1143.23	0.04	0.0	63.3	-1.11	-0.01	17.64	0.0	-25.87	2.605e+04
						126.7	-1.11	-15.62	17.64	0.0	1091.48	2.555e+04
112	9	6.288e+04	731.51	0.11	-40.59	0.0	-13.61	20.27	18.50	0.0	-1612.42	6.224e+04
		6.224e+04	-1612.42	0.04	0.0	63.3	-13.61	-0.03	18.50	0.0	-440.45	6.288e+04
						126.7	-13.61	-20.32	18.50	0.0	731.51	6.224e+04
112	11	6.288e+04	852.59	0.11	-40.59	0.0	-5.43	20.27	19.26	0.0	-1587.05	6.224e+04
		6.224e+04	-1587.05	0.03	0.0	63.3	-5.43	-0.03	19.26	0.0	-367.23	6.288e+04
						126.7	-5.43	-20.32	19.26	0.0	852.59	6.224e+04
112	16	4.941e+04	1763.04	0.09	-40.59	0.0	-4.56	20.27	29.42	0.0	-1964.11	4.877e+04
		4.876e+04	-1964.11	0.06	0.0	63.3	-4.56	-0.02	29.42	0.0	-100.54	4.941e+04
						126.7	-4.56	-20.32	29.42	0.0	1763.04	4.876e+04
112	21	2.605e+04	2111.22	0.05	-31.22	0.0	11.28	15.60	29.59	0.0	-1636.89	2.555e+04
		2.555e+04	-1636.89	0.05	0.0	63.3	11.28	-9.56e-03	29.59	0.0	237.16	2.605e+04
						126.7	11.28	-15.62	29.59	0.0	2111.22	2.555e+04
112	31	2.813e+04	1.341e+04	0.07	-31.22	0.0	238.57	15.96	113.29	0.0	-2946.62	2.461e+04
		2.461e+04	-2946.62	0.20	0.0	63.3	238.57	0.35	113.29	0.0	5232.59	2.813e+04
						126.7	238.57	-15.26	113.29	0.0	1.341e+04	2.813e+04
112	34	2.830e+04	2209.98	-0.02	-31.22	0.0	-249.24	15.23	-111.10	0.0	2209.98	2.830e+04
		2.477e+04	-1.387e+04	-0.19	0.0	63.3	-249.24	-0.38	-111.10	0.0	-5830.35	2.703e+04
						126.7	-249.24	-15.99	-111.10	0.0	-1.387e+04	2.477e+04
112	35	2.829e+04	1.318e+04	0.08	-31.22	0.0	243.47	16.26	109.44	0.0	-3058.92	2.444e+04
		2.444e+04	-3058.92	0.23	0.0	63.3	243.47	0.65	109.44	0.0	5059.54	2.686e+04
						126.7	243.47	-14.96	109.44	0.0	1.318e+04	2.829e+04
112	38	2.846e+04	2322.28	-0.02	-31.22	0.0	-254.14	14.93	-107.24	0.0	2322.28	2.846e+04
		2.461e+04	-1.364e+04	-0.22	0.0	63.3	-254.14	-0.68	-107.24	0.0	-5657.30	2.703e+04
						126.7	-254.14	-16.29	-107.24	0.0	-1.364e+04	2.461e+04
112	44	3.657e+04	-6702.11	0.04	-31.22	0.0	-89.92	23.44	-56.66	0.0	-7125.00	1.598e+04
		1.598e+04	-7125.00	0.45	0.0	63.3	-89.92	7.82	-56.66	0.0	-6913.56	2.677e+04
						126.7	-89.92	-7.79	-56.66	0.0	-6702.11	3.657e+04
112	45	3.692e+04	6388.36	0.05	-31.22	0.0	79.25	7.76	58.85	0.0	6388.36	3.692e+04
		1.633e+04	6243.22	-0.44	0.0	63.3	79.25	-7.85	58.85	0.0	6315.79	2.712e+04
						126.7	79.25	-23.46	58.85	0.0	6243.22	1.633e+04
112	63	2.732e+04	6303.92	0.06	-31.22	0.0	111.69	15.79	54.77	0.0	-1458.33	2.551e+04
		2.551e+04	-1458.33	0.09	0.0	63.3	111.69	0.18	54.77	0.0	2422.80	2.691e+04
						126.7	111.69	-15.43	54.77	0.0	6303.92	2.731e+04
112	66	2.740e+04	721.70	0.03	-31.22	0.0	-122.37	15.41	-52.58	0.0	721.70	2.740e+04
		2.559e+04	-6762.82	-0.09	0.0	63.3	-122.37	-0.21	-52.58	0.0	-3020.56	2.699e+04
						126.7	-122.37	-15.82	-52.58	0.0	-6762.82	2.559e+04
112	67	2.740e+04	6228.20	0.06	-31.22	0.0	113.97	15.94	52.86	0.0	-1511.77	2.542e+04
		2.542e+04	-1511.77	0.11	0.0	63.3	113.97	0.33	52.86	0.0	2358.22	2.690e+04
						126.7	113.97	-15.28	52.86	0.0	6228.20	2.740e+04
112	70	2.749e+04	775.13	0.03	-31.22	0.0	-124.64	15.25	-50.66	0.0	775.13	2.749e+04
		2.550e+04	-6687.10	-0.10	0.0	63.3	-124.64	-0.36	-50.66	0.0	-2955.98	2.699e+04
						126.7	-124.64	-15.97	-50.66	0.0	-6687.10	2.550e+04
112	76	3.166e+04	-3241.76	0.04	-31.22	0.0	-46.77	19.60	-26.83	0.0	-3402.53	2.106e+04
		2.106e+04	-3402.53	0.20	0.0	63.3	-46.77	3.99	-26.83	0.0	-3322.15	2.686e+04
						126.7	-46.77	-11.63	-26.83	0.0	-3241.76	3.166e+04
112	77	3.185e+04	2782.87	0.05	-31.22	0.0	36.09	11.60	29.02	0.0	2665.89	3.185e+04
		2.124e+04	2665.89	-0.19	0.0	63.3	36.09	-4.01	29.02	0.0	2724.38	2.704e+04
						126.7	36.09	-19.62	29.02	0.0	2782.87	2.124e+04
112	87	2.695e+04	634.63	0.05	-31.22	0.0	-3.47	15.60	12.07	0.0	-894.61	2.645e+04
		2.645e+04	-894.61	0.03	0.0	63.3	-3.47	-0.01	12.07	0.0	-129.99	2.695e+04
						126.7	-3.47	-15.62	12.07	0.0	634.63	2.645e+04
112	91	4.492e+04	457.48	0.08	-31.22	0.0	-9.93	15.59	12.44	0.0	-1117.75	4.442e+04
		4.442e+04	-1117.75	0.03	0.0	63.3	-9.93	-0.02	12.44	0.0	-330.13	4.492e+04
						126.7	-9.93	-15.63	12.44	0.0	457.48	4.442e+04
112	93	4.492e+04	538.20	0.08	-31.22	0.0	-4.47	15.59	12.94	0.0	-1100.83	4.442e+04
		4.442e+04	-1100.83	0.02	0.0	63.3	-4.47	-0.02	12.94	0.0	-281.32	4.492e+04
						126.7	-4.47	-15.63	12.94	0.0	538.20	4.442e+04
112	95	3.593e+04	1145.17	0.07	-31.22	0.0	-3.90	15.60	19.72	0.0	-1352.21	3.544e+04
		3.544e+04	-1352.21	0.04	0.0	63.3	-3.90	-0.02	19.72	0.0	-103.52	3.593e+04
						126.7	-3.90	-15.63	19.72	0.0	1145.17	3.544e+04

112	96	2.695e+04 2.645e+04	1314.46 -1223.73	0.05 0.03	-31.22 0.0	0.0 63.3 126.7	4.79 4.79 4.79	15.60 -0.01 -15.62	20.04 20.04 20.04	0.0 0.0 0.0	-1223.73 45.37 1314.46	2.645e+04 2.695e+04 2.645e+04
112	98	2.695e+04 2.645e+04	-264.04 -375.57	0.05 4.18e-03	-31.22 0.0	0.0 63.3 126.7	-7.68 -7.68 -7.68	15.60 -0.01 -15.62	0.88 0.88 0.88	0.0 0.0 0.0	-375.57 -319.80 -264.04	2.645e+04 2.695e+04 2.645e+04
112	99	2.695e+04 2.645e+04	-206.38 -363.48	0.04 6.94e-04	-31.22 0.0	0.0 63.3 126.7	-3.78 -3.78 -3.78	15.60 -0.01 -15.62	1.24 1.24 1.24	0.0 0.0 0.0	-363.48 -284.93 -206.38	2.645e+04 2.695e+04 2.645e+04
112	100	3.054e+04 3.005e+04	-299.47 -420.20	0.05 5.04e-03	-31.22 0.0	0.0 63.3 126.7	-8.97 -8.97 -8.97	15.60 -0.01 -15.63	0.95 0.95 0.95	0.0 0.0 0.0	-420.20 -359.83 -299.47	3.005e+04 3.054e+04 3.005e+04
112	102	3.054e+04 3.005e+04	-264.88 -412.95	0.05 2.55e-03	-31.22 0.0	0.0 63.3 126.7	-6.63 -6.63 -6.63	15.60 -0.01 -15.63	1.17 1.17 1.17	0.0 0.0 0.0	-412.95 -338.91 -264.88	3.005e+04 3.054e+04 3.005e+04
112	103	2.695e+04 2.645e+04	35.51 -548.58	0.05 0.01	-31.22 0.0	0.0 63.3 126.7	-6.27 -6.27 -6.27	15.60 -0.01 -15.62	4.61 4.61 4.61	0.0 0.0 0.0	-548.58 -256.53 35.51	2.645e+04 2.695e+04 2.645e+04
112	104	2.695e+04 2.645e+04	70.11 -541.33	0.05 8.62e-03	-31.22 0.0	0.0 63.3 126.7	-3.94 -3.94 -3.94	15.60 -0.01 -15.62	4.83 4.83 4.83	0.0 0.0 0.0	-541.33 -235.61 70.11	2.645e+04 2.695e+04 2.645e+04
112	105	2.695e+04 2.645e+04	-264.04 -375.57	0.05 4.18e-03	-31.22 0.0	0.0 63.3 126.7	-7.68 -7.68 -7.68	15.60 -0.01 -15.62	0.88 0.88 0.88	0.0 0.0 0.0	-375.57 -319.80 -264.04	2.645e+04 2.695e+04 2.645e+04
112	106	2.695e+04 2.645e+04	-229.45 -368.32	0.04 1.78e-03	-31.22 0.0	0.0 63.3 126.7	-5.34 -5.34 -5.34	15.60 -0.01 -15.62	1.10 1.10 1.10	0.0 0.0 0.0	-368.32 -298.88 -229.45	2.645e+04 2.695e+04 2.645e+04
113	3	3.529e+04 0.0	1007.67 -155.82	0.28 0.03	-40.59 0.0	0.0 63.3 126.7	8.94 8.94 8.94	-258.31 -278.61 -298.90	-9.19 -9.19 -9.19	0.0 0.0 0.0	1007.67 425.93 -155.82	3.529e+04 1.829e+04 0.0
113	7	2.556e+04 0.0	1133.56 -468.23	0.21 0.03	-31.22 0.0	0.0 63.3 126.7	11.54 11.54 11.54	-186.15 -201.76 -217.37	-12.65 -12.65 -12.65	0.0 0.0 0.0	1133.56 332.67 -468.23	2.556e+04 1.327e+04 0.0
113	9	6.225e+04 0.0	1777.66 387.60	0.49 0.05	-40.59 0.0	0.0 63.3 126.7	-11.19 -11.19 -11.19	-471.13 -491.42 -511.72	10.97 10.97 10.97	0.0 0.0 0.0	387.60 1082.63 1777.66	6.225e+04 3.177e+04 0.0
113	21	2.556e+04 0.0	1867.56 -420.31	0.21 0.07	-31.22 0.0	0.0 63.3 126.7	13.07 13.07 13.07	-186.15 -201.76 -217.37	-18.06 -18.06 -18.06	0.0 0.0 0.0	1867.56 723.62 -420.31	2.556e+04 1.327e+04 0.0
113	35	2.462e+04 0.0	1.321e+04 8969.19	0.47 0.16	-31.22 0.0	0.0 63.3 126.7	169.73 169.73 169.73	-178.73 -194.34 -209.96	127.13 127.13 127.13	0.0 0.0 0.0	1.321e+04 1.109e+04 8969.19	2.462e+04 1.280e+04 0.0
113	38	2.829e+04 0.0	-7636.98 -1.380e+04	-0.05 -0.17	-31.22 0.0	0.0 63.3 126.7	-179.48 -179.48 -179.48	-207.76 -223.37 -238.98	-111.90 -111.90 -111.90	0.0 0.0 0.0	-1.380e+04 -1.072e+04 -7636.98	2.829e+04 1.464e+04 0.0
113	44	1.633e+04 0.0	1.903e+04 -6895.58	0.27 0.36	-31.22 0.0	0.0 63.3 126.7	-78.19 -78.19 -78.19	-113.31 -128.92 -144.53	233.55 233.55 233.55	0.0 0.0 0.0	-6895.58 6068.61 1.903e+04	1.633e+04 8659.27 0.0
113	45	3.658e+04 0.0	6297.68 -1.770e+04	0.15 -0.36	-31.22 0.0	0.0 63.3 126.7	68.44 68.44 68.44	-273.19 -288.80 -304.41	-218.31 -218.31 -218.31	0.0 0.0 0.0	6297.68 -5701.45 -1.770e+04	3.658e+04 1.878e+04 0.0
113	47	3.398e+04 0.0	1.076e+04 -1.155e+04	0.29 -0.16	-31.22 0.0	0.0 63.3 126.7	143.13 143.13 143.13	-252.64 -268.25 -283.86	-136.15 -136.15 -136.15	0.0 0.0 0.0	1.076e+04 -393.98 -1.155e+04	3.398e+04 1.748e+04 0.0
113	67	2.551e+04 0.0	6181.48 4327.63	0.33 0.07	-31.22 0.0	0.0 63.3 126.7	78.92 78.92 78.92	-185.76 -201.37 -216.98	63.08 63.08 63.08	0.0 0.0 0.0	6181.48 5254.56 4327.63	2.551e+04 1.325e+04 0.0
113	70	2.740e+04 0.0	-2995.42 -6779.38	0.09 -0.07	-31.22 0.0	0.0 63.3 126.7	-88.67 -88.67 -88.67	-200.74 -216.35 -231.96	-47.84 -47.84 -47.84	0.0 0.0 0.0	-6779.38 -4887.40 -2995.42	2.740e+04 1.420e+04 0.0
113	76	2.124e+04 0.0	8843.41 -3312.80	0.23 0.15	-31.22 0.0	0.0 63.3 126.7	-38.72 -38.72 -38.72	-152.08 -167.69 -183.30	109.50 109.50 109.50	0.0 0.0 0.0	-3312.80 2765.30 8843.41	2.124e+04 1.111e+04 0.0
113	77	3.167e+04 0.0	2714.90 -7511.20	0.19 -0.15	-31.22 0.0	0.0 63.3 126.7	28.97 28.97 28.97	-234.41 -250.02 -265.63	-94.27 -94.27 -94.27	0.0 0.0 0.0	2714.90 -2398.15 -7511.20	3.167e+04 1.633e+04 0.0
113	79	3.031e+04 0.0	5013.04 -4951.75	0.25 -0.07	-31.22 0.0	0.0 63.3 126.7	65.86 65.86 65.86	-223.70 -239.31 -254.92	-59.60 -59.60 -59.60	0.0 0.0 0.0	5013.04 30.65 -4951.75	3.031e+04 1.565e+04 0.0
113	89	2.646e+04 0.0	632.00 -8.61	0.21 0.02	-31.22 0.0	0.0 63.3 126.7	5.17 5.17 5.17	-193.25 -208.86 -224.47	-5.06 -5.06 -5.06	0.0 0.0 0.0	632.00 311.70 -8.61	2.646e+04 1.372e+04 0.0
113	91	4.443e+04 0.0	1280.38 218.62	0.35 0.03	-31.22 0.0	0.0 63.3 126.7	-8.25 -8.25 -8.25	-335.12 -350.73 -366.34	8.38 8.38 8.38	0.0 0.0 0.0	218.62 749.50 1280.38	4.443e+04 2.271e+04 0.0
113	96	2.646e+04 0.0	1121.33 23.34	0.22 0.05	-31.22 0.0	0.0 63.3	6.19 6.19	-193.25 -208.86	-8.67 -8.67	0.0 0.0	1121.33 572.33	2.646e+04 1.372e+04

					126.7	6.19	-224.47	-8.67	0.0	23.34	0.0
113	99	2.646e+04	540.43	0.21	-31.22	0.0	-3.39	-193.25	6.36	0.0	-264.70
		0.0	-264.70	-2.52e-03	0.0	63.3	-3.39	-208.86	6.36	0.0	137.87
						126.7	-3.39	-224.47	6.36	0.0	540.43
113	100	3.005e+04	986.74	0.24	-31.22	0.0	-8.30	-221.62	10.94	0.0	-398.75
		0.0	-398.75	2.33e-03	0.0	63.3	-8.30	-237.23	10.94	0.0	293.99
						126.7	-8.30	-252.84	10.94	0.0	986.74
113	104	2.646e+04	587.82	0.21	-31.22	0.0	-3.25	-193.25	4.87	0.0	-28.59
		0.0	-28.59	9.05e-03	0.0	63.3	-3.25	-208.86	4.87	0.0	279.61
						126.7	-3.25	-224.47	4.87	0.0	587.82
113	105	2.646e+04	854.61	0.21	-31.22	0.0	-7.10	-193.25	9.51	0.0	-350.33
		0.0	-350.33	1.73e-03	0.0	63.3	-7.10	-208.86	9.51	0.0	252.14
						126.7	-7.10	-224.47	9.51	0.0	854.61
113	106	2.646e+04	666.10	0.21	-31.22	0.0	-4.87	-193.25	7.62	0.0	-298.95
		0.0	-298.95	-1.10e-03	0.0	63.3	-4.87	-208.86	7.62	0.0	183.58
						126.7	-4.87	-224.47	7.62	0.0	666.10
114	3	3.316e+04	132.37	-0.99	-671.51	0.0	58.98	335.76	0.70	-3.05	-145.88
		0.0	-145.88	0.04	0.0	197.5	58.98	1.06e-06	0.70	-3.05	-6.75
						395.0	58.98	-335.76	0.70	-3.05	132.37
114	5	2.376e+04	73.64	-0.70	-481.14	0.0	49.03	240.57	0.40	-1.79	-84.51
		0.0	-84.51	0.10	0.0	197.5	49.03	0.0	0.40	-1.79	-5.44
						395.0	49.03	-240.57	0.40	-1.79	73.64
114	9	6.280e+04	189.92	-1.84	-1271.91	0.0	64.23	635.96	0.99	-4.20	-200.21
		0.0	-200.21	0.08	0.0	197.5	64.23	-1.99e-06	0.99	-4.20	-5.14
						395.0	64.23	-635.96	0.99	-4.20	189.92
114	11	6.280e+04	206.83	-1.85	-1271.91	0.0	67.91	635.96	1.08	-4.62	-218.95
		0.0	-218.95	0.04	0.0	197.5	67.91	-1.99e-06	1.08	-4.62	-6.06
						395.0	67.91	-635.96	1.08	-4.62	206.83
114	18	4.798e+04	153.97	-1.42	-971.71	0.0	87.01	485.86	0.83	-3.85	-173.67
		0.0	-173.67	0.13	0.0	197.5	87.01	0.0	0.83	-3.85	-9.85
						395.0	87.01	-485.86	0.83	-3.85	153.97
114	23	2.474e+04	106.47	-0.74	-501.15	0.0	133.70	250.58	0.54	-0.98	-107.20
		0.0	-107.20	-0.87	0.0	197.5	133.70	0.0	0.54	-0.98	-0.37
						395.0	133.70	-250.58	0.54	-0.98	106.47
114	24	2.474e+04	313.45	-0.74	-501.15	0.0	62.03	250.58	-1.59	-1.65	313.45
		0.0	-314.42	0.18	0.0	197.5	62.03	0.0	-1.59	-1.65	-0.49
						395.0	62.03	-250.58	-1.59	-1.65	-314.42
114	35	2.474e+04	145.22	-0.74	-501.15	0.0	196.68	250.58	-0.76	-2.27	145.22
		0.0	-155.92	-0.85	0.0	197.5	196.68	0.0	-0.76	-2.27	-5.35
						395.0	196.68	-250.58	-0.76	-2.27	-155.92
114	38	2.474e+04	355.04	-0.73	-501.15	0.0	-168.74	250.58	1.77	-1.38	-345.32
		0.0	-345.32	0.79	0.0	197.5	-168.74	0.0	1.77	-1.38	4.86
						395.0	-168.74	-250.58	1.77	-1.38	355.04
114	45	2.474e+04	922.17	-0.74	-501.15	0.0	89.81	250.58	4.66	-0.49	-919.21
		0.0	-919.21	-1.70	0.0	197.5	89.81	0.0	4.66	-0.49	1.48
						395.0	89.81	-250.58	4.66	-0.49	922.17
114	55	2.474e+04	108.79	-0.74	-501.15	0.0	71.72	250.58	0.55	-1.44	-109.45
		0.0	-109.45	-0.43	0.0	197.5	71.72	0.0	0.55	-1.44	-0.33
						395.0	71.72	-250.58	0.55	-1.44	108.79
114	56	2.474e+04	89.21	-0.73	-501.15	0.0	37.04	250.58	-0.45	-1.74	89.21
		0.0	-89.99	0.06	0.0	197.5	37.04	0.0	-0.45	-1.74	-0.39
						395.0	37.04	-250.58	-0.45	-1.74	-89.99
114	67	2.474e+04	7.95	-0.73	-501.15	0.0	101.49	250.58	-0.05	-2.02	7.95
		0.0	-13.16	-0.43	0.0	197.5	101.49	0.0	-0.05	-2.02	-2.61
						395.0	101.49	-250.58	-0.05	-2.02	-13.16
114	70	2.474e+04	212.28	-0.73	-501.15	0.0	-73.55	250.58	1.06	-1.64	-208.04
		0.0	-208.04	0.36	0.0	197.5	-73.55	0.0	1.06	-1.64	2.12
						395.0	-73.55	-250.58	1.06	-1.64	212.28
114	77	2.474e+04	484.55	-0.73	-501.15	0.0	50.91	250.58	2.45	-1.22	-483.49
		0.0	-483.49	-0.80	0.0	197.5	50.91	0.0	2.45	-1.22	0.53
						395.0	50.91	-250.58	2.45	-1.22	484.55
114	87	2.474e+04	82.72	-0.73	-501.15	0.0	37.27	250.58	0.44	-1.81	-89.96
		0.0	-89.96	0.06	0.0	197.5	37.27	0.0	0.44	-1.81	-3.62
						395.0	37.27	-250.58	0.44	-1.81	82.72
114	89	2.474e+04	98.82	-0.74	-501.15	0.0	40.77	250.58	0.52	-2.21	-107.82
		0.0	-107.82	0.02	0.0	197.5	40.77	0.0	0.52	-2.21	-4.50
						395.0	40.77	-250.58	0.52	-2.21	98.82
114	91	4.451e+04	137.19	-1.31	-901.42	0.0	44.27	450.71	0.71	-2.98	-144.04
		0.0	-144.04	0.05	0.0	197.5	44.27	-1.14e-06	0.71	-2.98	-3.42
						395.0	44.27	-450.71	0.71	-2.98	137.19
114	93	4.451e+04	148.46	-1.31	-901.42	0.0	46.72	450.71	0.77	-3.26	-156.54
		0.0	-156.54	0.03	0.0	197.5	46.72	-1.14e-06	0.77	-3.26	-4.04
						395.0	46.72	-450.71	0.77	-3.26	148.46
114	97	3.463e+04	113.22	-1.02	-701.29	0.0	59.45	350.64	0.61	-2.75	-126.35
		0.0	-126.35	0.08	0.0	197.5	59.45	0.0	0.61	-2.75	-6.56
						395.0	59.45	-350.64	0.61	-2.75	113.22
114	98	2.474e+04	94.73	-0.73	-501.15	0.0	12.92	250.58	0.48	-1.71	-94.69

		0.0	-94.69	-0.02	0.0	197.5	12.92	0.0	0.48	-1.71	0.02	2.474e+04
						395.0	12.92	-250.58	0.48	-1.71	94.73	0.0
114	99	2.474e+04	102.78	-0.73	-501.15	0.0	14.67	250.58	0.52	-1.91	-103.62	0.0
		0.0	-103.62	-0.04	0.0	197.5	14.67	0.0	0.52	-1.91	-0.42	2.474e+04
						395.0	14.67	-250.58	0.52	-1.91	102.78	0.0
114	100	2.870e+04	105.62	-0.85	-581.21	0.0	14.32	290.60	0.53	-1.94	-105.51	0.0
		0.0	-105.51	-0.02	0.0	197.5	14.32	0.0	0.53	-1.94	0.06	2.870e+04
						395.0	14.32	-290.60	0.53	-1.94	105.62	0.0
114	102	2.870e+04	110.45	-0.85	-581.21	0.0	15.37	290.60	0.56	-2.06	-110.86	0.0
		0.0	-110.86	-0.03	0.0	197.5	15.37	0.0	0.56	-2.06	-0.20	2.870e+04
						395.0	15.37	-290.60	0.56	-2.06	110.45	0.0
114	104	2.474e+04	95.56	-0.73	-501.15	0.0	22.09	250.58	0.49	-1.86	-98.47	0.0
		0.0	-98.47	-9.82e-03	0.0	197.5	22.09	0.0	0.49	-1.86	-1.46	2.474e+04
						395.0	22.09	-250.58	0.49	-1.86	95.56	0.0
114	105	2.474e+04	94.73	-0.73	-501.15	0.0	12.92	250.58	0.48	-1.71	-94.69	0.0
		0.0	-94.69	-0.02	0.0	197.5	12.92	0.0	0.48	-1.71	0.02	2.474e+04
						395.0	12.92	-250.58	0.48	-1.71	94.73	0.0
114	106	2.474e+04	99.56	-0.73	-501.15	0.0	13.97	250.58	0.51	-1.83	-100.05	0.0
		0.0	-100.05	-0.03	0.0	197.5	13.97	0.0	0.51	-1.83	-0.24	2.474e+04
						395.0	13.97	-250.58	0.51	-1.83	99.56	0.0
115	7	2.559e+04	686.76	-0.77	-499.41	0.0	20.65	249.71	-3.37	0.45	686.76	0.0
		0.0	-694.29	0.50	0.0	205.0	20.65	-2.51e-06	-3.37	0.45	-3.77	2.559e+04
						410.0	20.65	-249.71	-3.37	0.45	-694.29	0.0
115	9	6.766e+04	576.71	-2.05	-1320.21	0.0	54.74	660.11	-2.86	0.85	576.71	0.0
		0.0	-596.77	0.52	0.0	205.0	54.74	3.31e-06	-2.86	0.85	-10.03	6.766e+04
						410.0	54.74	-660.11	-2.86	0.85	-596.77	0.0
115	17	3.572e+04	1038.15	-1.08	-697.01	0.0	33.29	348.51	-5.09	0.38	1038.15	0.0
		0.0	-1049.29	0.80	0.0	205.0	33.29	-2.80e-06	-5.09	0.38	-5.57	3.572e+04
						410.0	33.29	-348.51	-5.09	0.38	-1049.29	0.0
115	23	2.666e+04	1646.89	-0.82	-520.18	0.0	22.90	260.09	-8.07	0.27	1646.89	0.0
		0.0	-1661.95	0.13	0.0	205.0	22.90	-2.31e-06	-8.07	0.27	-7.53	2.666e+04
						410.0	22.90	-260.09	-8.07	0.27	-1661.95	0.0
115	35	2.666e+04	2752.11	-0.81	-520.18	0.0	75.86	260.09	-13.46	-0.55	2752.11	0.0
		0.0	-2764.98	0.69	0.0	205.0	75.86	-2.31e-06	-13.46	-0.55	-6.44	2.666e+04
						410.0	75.86	-260.09	-13.46	-0.55	-2764.98	0.0
115	39	2.666e+04	2075.56	-0.84	-520.18	0.0	-76.22	260.09	-10.16	1.81	2075.56	0.0
		0.0	-2089.30	-0.73	0.0	205.0	-76.22	-2.31e-06	-10.16	1.81	-6.87	2.666e+04
						410.0	-76.22	-260.09	-10.16	1.81	-2089.30	0.0
115	44	2.666e+04	1010.76	-0.77	-520.18	0.0	152.89	260.09	4.95	-1.47	-1016.90	0.0
		0.0	-1016.90	1.12	0.0	205.0	152.89	-2.31e-06	4.95	-1.47	-3.07	2.666e+04
						410.0	152.89	-260.09	4.95	-1.47	1010.76	0.0
115	45	2.666e+04	1093.79	-0.84	-520.18	0.0	-111.32	260.09	-5.36	2.45	1093.79	0.0
		0.0	-1104.89	-1.04	0.0	205.0	-111.32	-2.31e-06	-5.36	2.45	-5.55	2.666e+04
						410.0	-111.32	-260.09	-5.36	2.45	-1104.89	0.0
115	55	2.666e+04	813.34	-0.81	-520.18	0.0	21.20	260.09	-4.00	0.39	813.34	0.0
		0.0	-825.05	0.08	0.0	205.0	21.20	-2.31e-06	-4.00	0.39	-5.85	2.666e+04
						410.0	21.20	-260.09	-4.00	0.39	-825.05	0.0
115	67	2.666e+04	1337.13	-0.81	-520.18	0.0	44.23	260.09	-6.55	0.03	1337.13	0.0
		0.0	-1347.55	0.32	0.0	205.0	44.23	-2.31e-06	-6.55	0.03	-5.21	2.666e+04
						410.0	44.23	-260.09	-6.55	0.03	-1347.55	0.0
115	71	2.666e+04	1020.35	-0.82	-520.18	0.0	-23.52	260.09	-5.00	1.07	1020.35	0.0
		0.0	-1031.45	-0.28	0.0	205.0	-23.52	-2.31e-06	-5.00	1.07	-5.55	2.666e+04
						410.0	-23.52	-260.09	-5.00	1.07	-1031.45	0.0
115	76	2.666e+04	465.45	-0.79	-520.18	0.0	80.48	260.09	2.29	-0.37	-472.80	0.0
		0.0	-472.80	0.50	0.0	205.0	80.48	-2.31e-06	2.29	-0.37	-3.67	2.666e+04
						410.0	80.48	-260.09	2.29	-0.37	465.45	0.0
115	77	2.666e+04	549.69	-0.82	-520.18	0.0	-38.90	260.09	-2.71	1.36	549.69	0.0
		0.0	-559.58	-0.42	0.0	205.0	-38.90	-2.31e-06	-2.71	1.36	-4.95	2.666e+04
						410.0	-38.90	-260.09	-2.71	1.36	-559.58	0.0
115	89	2.666e+04	463.99	-0.81	-520.18	0.0	21.51	260.09	-2.28	0.46	463.99	0.0
		0.0	-472.14	0.34	0.0	205.0	21.51	-2.31e-06	-2.28	0.46	-4.07	2.666e+04
						410.0	21.51	-260.09	-2.28	0.46	-472.14	0.0
115	91	4.795e+04	386.47	-1.46	-935.65	0.0	38.94	467.83	-1.92	0.62	386.47	0.0
		0.0	-400.84	0.35	0.0	205.0	38.94	1.76e-06	-1.92	0.62	-7.19	4.795e+04
						410.0	38.94	-467.83	-1.92	0.62	-400.84	0.0
115	96	2.666e+04	694.10	-0.81	-520.18	0.0	24.64	260.09	-3.41	0.30	694.10	0.0
		0.0	-702.53	0.54	0.0	205.0	24.64	-2.31e-06	-3.41	0.30	-4.22	2.666e+04
						410.0	24.64	-260.09	-3.41	0.30	-702.53	0.0
115	99	2.666e+04	52.43	-0.81	-520.18	0.0	20.10	260.09	-0.28	0.53	52.43	0.0
		0.0	-60.89	0.04	0.0	205.0	20.10	-2.31e-06	-0.28	0.53	-4.23	2.666e+04
						410.0	20.10	-260.09	-0.28	0.53	-60.89	0.0
115	100	3.092e+04	15.95	-0.94	-603.28	0.0	24.62	301.64	-0.10	0.51	15.95	0.0
		0.0	-25.89	0.04	0.0	205.0	24.62	-1.49e-06	-0.10	0.51	-4.97	3.092e+04
						410.0	24.62	-301.64	-0.10	0.51	-25.89	0.0
115	104	2.666e+04	163.98	-0.81	-520.18	0.0	21.84	260.09	-0.82	0.44	163.98	0.0
		0.0	-172.63	0.14	0.0	205.0	21.84	-2.31e-06	-0.82	0.44	-4.32	2.666e+04
						410.0	21.84	-260.09	-0.82	0.44	-172.63	0.0

115	105	2.666e+04	17.48	-0.81	-520.18	0.0	21.83	260.09	-0.11	0.44	17.48	0.0
		0.0	-26.33	0.04	0.0	205.0	21.83	-2.31e-06	-0.11	0.44	-4.43	2.666e+04
						410.0	21.83	-260.09	-0.11	0.44	-26.33	0.0
115	106	2.666e+04	38.45	-0.81	-520.18	0.0	20.79	260.09	-0.21	0.49	38.45	0.0
		0.0	-47.07	0.04	0.0	205.0	20.79	-2.31e-06	-0.21	0.49	-4.31	2.666e+04
						410.0	20.79	-260.09	-0.21	0.49	-47.07	0.0
116	3	1.666e+04	166.43	-0.39	-476.01	0.0	-28.22	238.00	-1.17	-4.52	166.43	0.0
		0.0	-162.53	0.11	0.0	140.0	-28.22	-2.37e-06	-1.17	-4.52	1.95	1.666e+04
						280.0	-28.22	-238.00	-1.17	-4.52	-162.53	0.0
116	9	3.156e+04	334.61	-0.71	-901.61	0.0	-7.53	450.80	-2.42	-7.76	334.61	0.0
		0.0	-343.91	0.19	0.0	140.0	-7.53	0.0	-2.42	-7.76	-4.65	3.156e+04
						280.0	-7.53	-450.80	-2.42	-7.76	-343.91	0.0
116	16	2.411e+04	386.89	-0.56	-688.81	0.0	-32.05	344.40	-2.75	-6.05	386.89	0.0
		0.0	-382.78	0.25	0.0	140.0	-32.05	0.0	-2.75	-6.05	2.05	2.411e+04
						280.0	-32.05	-344.40	-2.75	-6.05	-382.78	0.0
116	21	1.194e+04	258.62	-0.29	-341.06	0.0	-47.65	170.53	-1.79	-3.09	258.62	0.0
		0.0	-243.66	0.19	0.0	140.0	-47.65	-2.00e-06	-1.79	-3.09	7.48	1.194e+04
						280.0	-47.65	-170.53	-1.79	-3.09	-243.66	0.0
116	23	1.243e+04	190.61	-0.41	-355.25	0.0	46.30	177.62	-1.37	-3.49	190.61	0.0
		0.0	-192.44	-0.18	0.0	140.0	46.30	-1.90e-06	-1.37	-3.49	-0.92	1.243e+04
						280.0	46.30	-177.62	-1.37	-3.49	-192.44	0.0
116	31	1.243e+04	842.84	-0.45	-355.25	0.0	-208.46	177.62	-6.01	-2.85	842.84	0.0
		0.0	-840.76	0.28	0.0	140.0	-208.46	-1.90e-06	-6.01	-2.85	1.04	1.243e+04
						280.0	-208.46	-177.62	-6.01	-2.85	-840.76	0.0
116	34	1.243e+04	701.75	-0.17	-355.25	0.0	221.50	177.62	5.08	-4.45	-721.77	0.0
		0.0	-721.77	-0.25	0.0	140.0	221.50	-1.90e-06	5.08	-4.45	-10.01	1.243e+04
						280.0	221.50	-177.62	5.08	-4.45	701.75	0.0
116	44	1.243e+04	2014.92	-0.26	-355.25	0.0	106.89	177.62	-14.42	0.08	2014.92	0.0
		0.0	-2022.41	1.00	0.0	140.0	106.89	-1.90e-06	-14.42	0.08	-3.75	1.243e+04
						280.0	106.89	-177.62	-14.42	0.08	-2022.41	0.0
116	55	1.243e+04	113.49	-0.35	-355.25	0.0	25.94	177.62	-0.83	-3.60	113.49	0.0
		0.0	-118.67	-0.08	0.0	140.0	25.94	-1.90e-06	-0.83	-3.60	-2.59	1.243e+04
						280.0	25.94	-177.62	-0.83	-3.60	-118.67	0.0
116	67	1.243e+04	409.13	-0.36	-355.25	0.0	-96.15	177.62	-2.93	-3.25	409.13	0.0
		0.0	-412.51	0.14	0.0	140.0	-96.15	-1.90e-06	-2.93	-3.25	-1.69	1.243e+04
						280.0	-96.15	-177.62	-2.93	-3.25	-412.51	0.0
116	70	1.243e+04	273.51	-0.23	-355.25	0.0	109.20	177.62	2.00	-4.05	-288.05	0.0
		0.0	-288.05	-0.10	0.0	140.0	109.20	-1.90e-06	2.00	-4.05	-7.27	1.243e+04
						280.0	109.20	-177.62	2.00	-4.05	273.51	0.0
116	76	1.243e+04	940.81	-0.28	-355.25	0.0	52.30	177.62	-6.75	-1.80	940.81	0.0
		0.0	-948.43	0.42	0.0	140.0	52.30	-1.90e-06	-6.75	-1.80	-3.81	1.243e+04
						280.0	52.30	-177.62	-6.75	-1.80	-948.43	0.0
116	89	1.243e+04	119.44	-0.30	-355.25	0.0	-17.85	177.62	-0.85	-3.43	119.44	0.0
		0.0	-117.94	0.07	0.0	140.0	-17.85	-1.90e-06	-0.85	-3.43	0.75	1.243e+04
						280.0	-17.85	-177.62	-0.85	-3.43	-117.94	0.0
116	91	2.236e+04	231.55	-0.51	-638.98	0.0	-4.05	319.49	-1.68	-5.59	231.55	0.0
		0.0	-238.86	0.13	0.0	140.0	-4.05	0.0	-1.68	-5.59	-3.65	2.236e+04
						280.0	-4.05	-319.49	-1.68	-5.59	-238.86	0.0
116	95	1.740e+04	266.41	-0.40	-497.11	0.0	-20.40	248.56	-1.90	-4.45	266.41	0.0
		0.0	-264.78	0.17	0.0	140.0	-20.40	0.0	-1.90	-4.45	0.82	1.740e+04
						280.0	-20.40	-248.56	-1.90	-4.45	-264.78	0.0
116	96	1.243e+04	199.66	-0.30	-355.25	0.0	-28.71	177.62	-1.40	-3.36	199.66	0.0
		0.0	-193.12	0.13	0.0	140.0	-28.71	-1.90e-06	-1.40	-3.36	3.27	1.243e+04
						280.0	-28.71	-177.62	-1.40	-3.36	-193.12	0.0
116	99	1.243e+04	49.85	-0.29	-355.25	0.0	5.12	177.62	-0.39	-3.63	49.85	0.0
		0.0	-58.31	0.01	0.0	140.0	5.12	-1.90e-06	-0.39	-3.63	-4.23	1.243e+04
						280.0	5.12	-177.62	-0.39	-3.63	-58.31	0.0
116	100	1.442e+04	88.30	-0.34	-411.99	0.0	9.98	206.00	-0.67	-4.09	88.30	0.0
		0.0	-99.28	0.03	0.0	140.0	9.98	-1.49e-06	-0.67	-4.09	-5.49	1.442e+04
						280.0	9.98	-206.00	-0.67	-4.09	-99.28	0.0
116	103	1.243e+04	108.66	-0.30	-355.25	0.0	2.15	177.62	-0.80	-3.62	108.66	0.0
		0.0	-115.49	0.05	0.0	140.0	2.15	-1.90e-06	-0.80	-3.62	-3.41	1.243e+04
						280.0	2.15	-177.62	-0.80	-3.62	-115.49	0.0
116	104	1.243e+04	92.64	-0.30	-355.25	0.0	0.04	177.62	-0.68	-3.60	92.64	0.0
		0.0	-98.70	0.05	0.0	140.0	0.04	-1.90e-06	-0.68	-3.60	-3.03	1.243e+04
						280.0	0.04	-177.62	-0.68	-3.60	-98.70	0.0
116	105	1.243e+04	76.56	-0.30	-355.25	0.0	8.63	177.62	-0.58	-3.68	76.56	0.0
		0.0	-86.29	0.03	0.0	140.0	8.63	-1.90e-06	-0.58	-3.68	-4.86	1.243e+04
						280.0	8.63	-177.62	-0.58	-3.68	-86.29	0.0
116	106	1.243e+04	60.54	-0.29	-355.25	0.0	6.52	177.62	-0.46	-3.65	60.54	0.0
		0.0	-69.50	0.02	0.0	140.0	6.52	-1.90e-06	-0.46	-3.65	-4.48	1.243e+04
						280.0	6.52	-177.62	-0.46	-3.65	-69.50	0.0
117	9	6.280e+04	20.82	-1.85	-1271.91	0.0	-30.43	635.96	0.13	3.96	-31.92	0.0
		0.0	-31.92	0.08	0.0	197.5	-30.43	-1.99e-06	0.13	3.96	-5.55	6.280e+04
						395.0	-30.43	-635.96	0.13	3.96	20.82	0.0
117	11	6.280e+04	35.98	-1.86	-1271.91	0.0	-33.90	635.96	0.21	4.13	-47.64	0.0
		0.0	-47.64	0.04	0.0	197.5	-33.90	-1.99e-06	0.21	4.13	-5.83	6.280e+04

117	12	5.340e+04	9.82	-1.57	-1081.54	395.0	-33.90	-635.96	0.21	4.13	35.98	0.0
		0.0	-20.05	0.09	0.0	0.0	-30.08	540.77	0.08	3.31	-20.05	0.0
						197.5	-30.08	-2.06e-06	0.08	3.31	-5.11	5.340e+04
117	17	3.316e+04	0.31	-0.99	-671.51	395.0	-30.08	-540.77	0.08	3.31	9.82	0.0
		0.0	-13.68	0.13	0.0	0.0	-53.40	335.76	-0.04	2.15	0.31	0.0
						197.5	-53.40	1.06e-06	-0.04	2.15	-6.68	3.316e+04
117	23	2.474e+04	565.30	-0.73	-501.15	395.0	-53.40	-335.76	-0.04	2.15	-13.68	0.0
		0.0	-587.78	-0.87	0.0	0.0	-70.71	250.58	-2.92	2.82	565.30	0.0
						197.5	-70.71	0.0	-2.92	2.82	-11.24	2.474e+04
117	35	2.474e+04	782.22	-0.73	-501.15	395.0	-70.71	-250.58	-2.92	2.82	-587.78	0.0
		0.0	-812.73	-0.85	0.0	0.0	-115.49	250.58	-4.04	1.25	782.22	0.0
						197.5	-115.49	0.0	-4.04	1.25	-15.25	2.474e+04
117	38	2.474e+04	879.98	-0.73	-501.15	395.0	-115.49	-250.58	-4.04	1.25	-812.73	0.0
		0.0	-854.70	0.79	0.0	0.0	111.66	250.58	4.39	2.28	-854.70	0.0
						197.5	111.66	0.0	4.39	2.28	12.64	2.474e+04
117	46	2.474e+04	1043.15	-0.73	-501.15	395.0	111.66	-250.58	4.39	2.28	879.98	0.0
		0.0	-1028.89	1.81	0.0	0.0	95.65	250.58	5.25	0.65	-1028.89	0.0
						197.5	95.65	0.0	5.25	0.65	7.13	2.474e+04
117	53	2.474e+04	207.64	-0.73	-501.15	395.0	95.65	-250.58	5.25	0.65	1043.15	0.0
		0.0	-218.40	-1.67	0.0	0.0	-50.99	250.58	-1.08	3.23	207.64	0.0
						197.5	-50.99	0.0	-1.08	3.23	-5.38	2.474e+04
117	55	2.474e+04	253.49	-0.73	-501.15	395.0	-50.99	-250.58	-1.08	3.23	-218.40	0.0
		0.0	-265.65	-0.43	0.0	0.0	-34.92	250.58	-1.31	2.25	253.49	0.0
						197.5	-34.92	0.0	-1.31	2.25	-6.08	2.474e+04
117	67	2.474e+04	357.28	-0.73	-501.15	395.0	-34.92	-250.58	-1.31	2.25	-265.65	0.0
		0.0	-373.30	-0.43	0.0	0.0	-55.61	250.58	-1.85	1.54	357.28	0.0
						197.5	-55.61	0.0	-1.85	1.54	-8.01	2.474e+04
117	70	2.474e+04	440.55	-0.73	-501.15	395.0	-55.61	-250.58	-1.85	1.54	-373.30	0.0
		0.0	-429.76	0.36	0.0	0.0	51.79	250.58	2.20	1.98	-429.76	0.0
						197.5	51.79	0.0	2.20	1.98	5.39	2.474e+04
117	77	2.474e+04	243.85	-0.73	-501.15	395.0	51.79	-250.58	2.20	1.98	440.55	0.0
		0.0	-247.82	-0.80	0.0	0.0	-22.78	250.58	-1.24	2.52	243.85	0.0
						197.5	-22.78	0.0	-1.24	2.52	-1.98	2.474e+04
117	78	2.474e+04	519.28	-0.73	-501.15	395.0	-22.78	-250.58	-1.24	2.52	-247.82	0.0
		0.0	-513.82	0.82	0.0	0.0	44.65	250.58	2.62	1.24	-513.82	0.0
						197.5	44.65	0.0	2.62	1.24	2.73	2.474e+04
117	91	4.451e+04	17.05	-1.31	-901.42	395.0	44.65	-250.58	2.62	1.24	519.28	0.0
		0.0	-24.73	0.05	0.0	0.0	-20.39	450.71	0.11	2.82	-24.73	0.0
						197.5	-20.39	-1.14e-06	0.11	2.82	-3.84	4.451e+04
117	93	4.451e+04	27.16	-1.31	-901.42	395.0	-20.39	-450.71	0.11	2.82	17.05	0.0
		0.0	-35.21	0.03	0.0	0.0	-22.70	450.71	0.16	2.93	-35.21	0.0
						197.5	-22.70	-1.14e-06	0.16	2.93	-4.03	4.451e+04
117	96	2.474e+04	-3.24	-0.74	-501.15	395.0	-22.70	-450.71	0.16	2.93	27.16	0.0
		0.0	-5.95	0.08	0.0	0.0	-35.70	250.58	-6.85e-03	1.61	-3.24	0.0
						197.5	-35.70	0.0	-6.85e-03	1.61	-4.60	2.474e+04
117	100	2.870e+04	32.29	-0.85	-581.21	395.0	-35.70	-250.58	-6.85e-03	1.61	-5.95	0.0
		0.0	-35.02	-0.02	0.0	0.0	-0.92	290.60	0.17	1.96	-35.02	0.0
						197.5	-0.92	0.0	0.17	1.96	-1.37	2.870e+04
117	102	2.870e+04	36.62	-0.85	-581.21	395.0	-0.92	-290.60	0.17	1.96	32.29	0.0
		0.0	-39.51	-0.03	0.0	0.0	-1.91	290.60	0.19	2.01	-39.51	0.0
						197.5	-1.91	0.0	0.19	2.01	-1.45	2.870e+04
117	104	2.474e+04	24.55	-0.73	-501.15	395.0	-1.91	-290.60	0.19	2.01	36.62	0.0
		0.0	-28.44	-6.27e-03	0.0	0.0	-8.40	250.58	0.13	1.72	-28.44	0.0
						197.5	-8.40	0.0	0.13	1.72	-1.94	2.474e+04
117	105	2.474e+04	29.29	-0.73	-501.15	395.0	-8.40	-250.58	0.13	1.72	24.55	0.0
		0.0	-31.75	-0.02	0.0	0.0	-0.92	250.58	0.15	1.72	-31.75	0.0
						197.5	-0.92	0.0	0.15	1.72	-1.23	2.474e+04
117	106	2.474e+04	33.62	-0.73	-501.15	395.0	-0.92	-250.58	0.15	1.72	29.29	0.0
		0.0	-36.24	-0.03	0.0	0.0	-1.91	250.58	0.18	1.76	-36.24	0.0
						197.5	-1.91	0.0	0.18	1.76	-1.31	2.474e+04
118	9	6.766e+04	705.38	-2.06	-1320.21	395.0	-1.91	-250.58	0.18	1.76	33.62	0.0
		0.0	-692.43	0.52	0.0	0.0	16.42	660.11	-3.41	-1.59	705.38	0.0
						205.0	16.42	3.31e-06	-3.41	-1.59	6.48	6.766e+04
118	11	6.766e+04	781.18	-2.05	-1320.21	410.0	16.42	-660.11	-3.41	-1.59	-692.43	0.0
		0.0	-768.50	0.53	0.0	0.0	17.35	660.11	-3.78	-1.42	781.18	0.0
						205.0	17.35	3.31e-06	-3.78	-1.42	6.34	6.766e+04
118	14	5.753e+04	756.74	-1.75	-1122.61	410.0	17.35	-660.11	-3.78	-1.42	-768.50	0.0
		0.0	-746.11	0.52	0.0	0.0	14.06	561.31	-3.67	-1.22	756.74	0.0
						205.0	14.06	3.59e-06	-3.67	-1.22	5.32	5.753e+04
118	18	5.169e+04	1151.99	-1.57	-1008.61	410.0	14.06	-561.31	-3.67	-1.22	-746.11	0.0
		0.0	-1141.79	0.81	0.0	0.0	10.75	504.31	-5.59	-1.30	1151.99	0.0
						205.0	10.75	0.0	-5.59	-1.30	5.10	5.169e+04
118	19	2.559e+04	1034.94	-0.78	-499.41	410.0	10.75	-504.31	-5.59	-1.30	-1141.79	0.0
		0.0	-1029.09	0.77	0.0	0.0	2.56	249.71	-5.03	-0.97	1034.94	0.0
						205.0	2.56	-2.51e-06	-5.03	-0.97	2.92	2.559e+04
118	23	2.666e+04	2167.97	-0.80	-520.18	410.0	2.56	-249.71	-5.03	-0.97	-1029.09	0.0
						0.0	16.25	260.09	-10.53	-0.75	2167.97	0.0

		0.0	-2150.55	0.15	0.0	205.0	16.25	-2.31e-06	-10.53	-0.75	8.71	2.666e+04
						410.0	16.25	-260.09	-10.53	-0.75	-2150.55	0.0
118	35	2.666e+04	3406.63	-0.81	-520.18	0.0	-10.77	260.09	-16.58	-1.75	3406.63	0.0
		0.0	-3390.03	0.72	0.0	205.0	-10.77	-2.31e-06	-16.58	-1.75	8.30	2.666e+04
						410.0	-10.77	-260.09	-16.58	-1.75	-3390.03	0.0
118	44	2.666e+04	1225.59	-0.83	-520.18	0.0	-55.21	260.09	5.97	-2.85	-1223.35	0.0
		0.0	-1223.35	1.12	0.0	205.0	-55.21	-2.31e-06	5.97	-2.85	1.12	2.666e+04
						410.0	-55.21	-260.09	5.97	-2.85	1225.59	0.0
118	45	2.666e+04	1402.58	-0.79	-520.18	0.0	74.51	260.09	-6.82	1.92	1402.58	0.0
		0.0	-1393.47	-1.04	0.0	205.0	74.51	-2.31e-06	-6.82	1.92	4.55	2.666e+04
						410.0	74.51	-260.09	-6.82	1.92	-1393.47	0.0
118	55	2.666e+04	1088.75	-0.81	-520.18	0.0	13.06	260.09	-5.28	-0.60	1088.75	0.0
		0.0	-1077.49	0.10	0.0	205.0	13.06	-2.31e-06	-5.28	-0.60	5.63	2.666e+04
						410.0	13.06	-260.09	-5.28	-0.60	-1077.49	0.0
118	67	2.666e+04	1685.93	-0.81	-520.18	0.0	1.09	260.09	-8.20	-1.03	1685.93	0.0
		0.0	-1674.95	0.34	0.0	205.0	1.09	-2.31e-06	-8.20	-1.03	5.49	2.666e+04
						410.0	1.09	-260.09	-8.20	-1.03	-1674.95	0.0
118	76	2.666e+04	542.38	-0.82	-520.18	0.0	-21.34	260.09	2.64	-1.52	-538.16	0.0
		0.0	-538.16	0.50	0.0	205.0	-21.34	-2.31e-06	2.64	-1.52	2.11	2.666e+04
						410.0	-21.34	-260.09	2.64	-1.52	542.38	0.0
118	77	2.666e+04	717.38	-0.80	-520.18	0.0	40.63	260.09	-3.48	0.59	717.38	0.0
		0.0	-710.26	-0.42	0.0	205.0	40.63	-2.31e-06	-3.48	0.59	3.56	2.666e+04
						410.0	40.63	-260.09	-3.48	0.59	-710.26	0.0
118	91	4.795e+04	477.96	-1.46	-935.65	0.0	12.04	467.83	-2.31	-1.11	477.96	0.0
		0.0	-468.67	0.35	0.0	205.0	12.04	1.76e-06	-2.31	-1.11	4.65	4.795e+04
						410.0	12.04	-467.83	-2.31	-1.11	-468.67	0.0
118	93	4.795e+04	528.50	-1.46	-935.65	0.0	12.66	467.83	-2.56	-1.00	528.50	0.0
		0.0	-519.38	0.36	0.0	205.0	12.66	1.76e-06	-2.56	-1.00	4.56	4.795e+04
						410.0	12.66	-467.83	-2.56	-1.00	-519.38	0.0
118	94	2.666e+04	713.96	-0.81	-520.18	0.0	4.99	260.09	-3.47	-0.83	713.96	0.0
		0.0	-708.04	0.53	0.0	205.0	4.99	-2.31e-06	-3.47	-0.83	2.96	2.666e+04
						410.0	4.99	-260.09	-3.47	-0.83	-708.04	0.0
118	97	3.731e+04	775.70	-1.13	-727.92	0.0	8.26	363.96	-3.77	-0.92	775.70	0.0
		0.0	-768.24	0.54	0.0	205.0	8.26	0.0	-3.77	-0.92	3.73	3.731e+04
						410.0	8.26	-363.96	-3.77	-0.92	-768.24	0.0
118	98	2.666e+04	67.95	-0.81	-520.18	0.0	9.38	260.09	-0.32	-0.51	67.95	0.0
		0.0	-62.20	0.04	0.0	205.0	9.38	-2.31e-06	-0.32	-0.51	2.87	2.666e+04
						410.0	9.38	-260.09	-0.32	-0.51	-62.20	0.0
118	100	3.092e+04	72.43	-0.94	-603.28	0.0	10.44	301.64	-0.34	-0.60	72.43	0.0
		0.0	-66.00	0.04	0.0	205.0	10.44	-1.49e-06	-0.34	-0.60	3.22	3.092e+04
						410.0	10.44	-301.64	-0.34	-0.60	-66.00	0.0
118	102	3.092e+04	94.09	-0.94	-603.28	0.0	10.70	301.64	-0.44	-0.55	94.09	0.0
		0.0	-87.73	0.04	0.0	205.0	10.70	-1.49e-06	-0.44	-0.55	3.18	3.092e+04
						410.0	10.70	-301.64	-0.44	-0.55	-87.73	0.0
118	103	2.666e+04	197.16	-0.81	-520.18	0.0	8.50	260.09	-0.95	-0.58	197.16	0.0
		0.0	-191.37	0.13	0.0	205.0	8.50	-2.31e-06	-0.95	-0.58	2.89	2.666e+04
						410.0	8.50	-260.09	-0.95	-0.58	-191.37	0.0
118	104	2.666e+04	218.81	-0.81	-520.18	0.0	8.77	260.09	-1.05	-0.53	218.81	0.0
		0.0	-213.11	0.14	0.0	205.0	8.77	-2.31e-06	-1.05	-0.53	2.85	2.666e+04
						410.0	8.77	-260.09	-1.05	-0.53	-213.11	0.0
118	105	2.666e+04	67.95	-0.81	-520.18	0.0	9.38	260.09	-0.32	-0.51	67.95	0.0
		0.0	-62.20	0.04	0.0	205.0	9.38	-2.31e-06	-0.32	-0.51	2.87	2.666e+04
						410.0	9.38	-260.09	-0.32	-0.51	-62.20	0.0
118	106	2.666e+04	89.61	-0.81	-520.18	0.0	9.65	260.09	-0.42	-0.47	89.61	0.0
		0.0	-83.94	0.04	0.0	205.0	9.65	-2.31e-06	-0.42	-0.47	2.84	2.666e+04
						410.0	9.65	-260.09	-0.42	-0.47	-83.94	0.0
119	5	1.194e+04	251.26	-0.31	-341.06	0.0	42.35	170.53	-1.71	-0.85	251.26	0.0
		0.0	-228.38	0.14	0.0	140.0	42.35	-2.00e-06	-1.71	-0.85	11.44	1.194e+04
						280.0	42.35	-170.53	-1.71	-0.85	-228.38	0.0
119	7	1.194e+04	182.62	-0.31	-341.06	0.0	48.68	170.53	-1.22	-0.74	182.62	0.0
		0.0	-158.40	0.09	0.0	140.0	48.68	-2.00e-06	-1.22	-0.74	12.11	1.194e+04
						280.0	48.68	-170.53	-1.22	-0.74	-158.40	0.0
119	9	3.156e+04	367.76	-0.77	-901.61	0.0	66.61	450.80	-2.47	-2.94	367.76	0.0
		0.0	-323.31	0.19	0.0	140.0	66.61	0.0	-2.47	-2.94	22.22	3.156e+04
						280.0	66.61	-450.80	-2.47	-2.94	-323.31	0.0
119	16	2.411e+04	441.23	-0.60	-688.81	0.0	73.20	344.40	-3.01	-1.91	441.23	0.0
		0.0	-400.39	0.25	0.0	140.0	73.20	0.0	-3.01	-1.91	20.42	2.411e+04
						280.0	73.20	-344.40	-3.01	-1.91	-400.39	0.0
119	18	2.411e+04	393.18	-0.60	-688.81	0.0	77.63	344.40	-2.66	-1.83	393.18	0.0
		0.0	-351.40	0.22	0.0	140.0	77.63	0.0	-2.66	-1.83	20.89	2.411e+04
						280.0	77.63	-344.40	-2.66	-1.83	-351.40	0.0
119	25	1.243e+04	1211.61	-0.30	-355.25	0.0	4.39	177.62	2.56	-3.82	-354.87	0.0
		0.0	-354.87	-0.30	0.0	140.0	4.39	-1.90e-06	2.56	-3.82	428.37	1.243e+04
						280.0	4.39	-177.62	2.56	-3.82	1211.61	0.0
119	35	1.243e+04	1016.07	-0.46	-355.25	0.0	106.05	177.62	-7.14	-0.20	1016.07	0.0
		0.0	-981.80	0.35	0.0	140.0	106.05	-1.90e-06	-7.14	-0.20	17.13	1.243e+04
						280.0	106.05	-177.62	-7.14	-0.20	-981.80	0.0

119	38	1.243e+04	888.67	-0.21	-355.25	0.0	-62.80	177.62	6.34	-2.24	-887.76	0.0
		0.0	-887.76	-0.32	0.0	140.0	-62.80	-1.90e-06	6.34	-2.24	0.45	1.243e+04
						280.0	-62.80	-177.62	6.34	-2.24	888.67	0.0
119	43	1.243e+04	1884.49	-0.49	-355.25	0.0	97.01	177.62	-13.35	-3.38	1884.49	0.0
		0.0	981.24	-0.70	0.0	140.0	97.01	-1.90e-06	-13.35	-3.38	1432.86	1.243e+04
						280.0	97.01	-177.62	-13.35	-3.38	981.24	0.0
119	44	1.243e+04	-964.29	-0.23	-355.25	0.0	-13.68	177.62	6.95	2.01	-964.29	0.0
		0.0	-1854.74	1.01	0.0	140.0	-13.68	-1.90e-06	6.95	2.01	-1409.51	1.243e+04
						280.0	-13.68	-177.62	6.95	2.01	-1854.74	0.0
119	52	1.243e+04	1686.45	-0.23	-355.25	0.0	-17.07	177.62	-11.93	1.90	1686.45	0.0
		0.0	-1654.65	0.76	0.0	140.0	-17.07	-1.90e-06	-11.93	1.90	15.90	1.243e+04
						280.0	-17.07	-177.62	-11.93	1.90	-1654.65	0.0
119	57	1.243e+04	554.45	-0.31	-355.25	0.0	13.38	177.62	1.01	-2.45	-135.01	0.0
		0.0	-135.01	-0.11	0.0	140.0	13.38	-1.90e-06	1.01	-2.45	209.72	1.243e+04
						280.0	13.38	-177.62	1.01	-2.45	554.45	0.0
119	67	1.243e+04	498.91	-0.39	-355.25	0.0	62.28	177.62	-3.47	-0.79	498.91	0.0
		0.0	-472.98	0.14	0.0	140.0	62.28	-1.90e-06	-3.47	-0.79	12.96	1.243e+04
						280.0	62.28	-177.62	-3.47	-0.79	-472.98	0.0
119	70	1.243e+04	379.84	-0.27	-355.25	0.0	-19.03	177.62	2.68	-1.65	-370.60	0.0
		0.0	-370.60	-0.11	0.0	140.0	-19.03	-1.90e-06	2.68	-1.65	4.62	1.243e+04
						280.0	-19.03	-177.62	2.68	-1.65	379.84	0.0
119	75	1.243e+04	928.84	-0.40	-355.25	0.0	58.19	177.62	-6.55	-2.27	928.84	0.0
		0.0	453.30	-0.30	0.0	140.0	58.19	-1.90e-06	-6.55	-2.27	691.07	1.243e+04
						280.0	58.19	-177.62	-6.55	-2.27	453.30	0.0
119	76	1.243e+04	-436.12	-0.28	-355.25	0.0	4.32	177.62	3.18	0.31	-436.12	0.0
		0.0	-905.07	0.43	0.0	140.0	4.32	-1.90e-06	3.18	0.31	-670.60	1.243e+04
						280.0	4.32	-177.62	3.18	0.31	-905.07	0.0
119	84	1.243e+04	821.70	-0.28	-355.25	0.0	2.76	177.62	-5.78	0.25	821.70	0.0
		0.0	-796.96	0.32	0.0	140.0	2.76	-1.90e-06	-5.78	0.25	12.37	1.243e+04
						280.0	2.76	-177.62	-5.78	0.25	-796.96	0.0
119	87	1.243e+04	195.25	-0.32	-355.25	0.0	35.42	177.62	-1.32	-1.02	195.25	0.0
		0.0	-173.87	0.11	0.0	140.0	35.42	-1.90e-06	-1.32	-1.02	10.69	1.243e+04
						280.0	35.42	-177.62	-1.32	-1.02	-173.87	0.0
119	89	1.243e+04	149.49	-0.32	-355.25	0.0	39.64	177.62	-0.99	-0.94	149.49	0.0
		0.0	-127.22	0.07	0.0	140.0	39.64	-1.90e-06	-0.99	-0.94	11.14	1.243e+04
						280.0	39.64	-177.62	-0.99	-0.94	-127.22	0.0
119	91	2.236e+04	253.77	-0.55	-638.98	0.0	46.72	319.49	-1.70	-2.09	253.77	0.0
		0.0	-222.18	0.13	0.0	140.0	46.72	0.0	-1.70	-2.09	15.80	2.236e+04
						280.0	46.72	-319.49	-1.70	-2.09	-222.18	0.0
119	95	1.740e+04	302.76	-0.44	-497.11	0.0	51.11	248.56	-2.06	-1.40	302.76	0.0
		0.0	-273.57	0.17	0.0	140.0	51.11	0.0	-2.06	-1.40	14.59	1.740e+04
						280.0	51.11	-248.56	-2.06	-1.40	-273.57	0.0
119	97	1.740e+04	270.72	-0.43	-497.11	0.0	54.07	248.56	-1.83	-1.35	270.72	0.0
		0.0	-240.91	0.15	0.0	140.0	54.07	0.0	-1.83	-1.35	14.91	1.740e+04
						280.0	54.07	-248.56	-1.83	-1.35	-240.91	0.0
119	98	1.243e+04	77.88	-0.32	-355.25	0.0	20.36	177.62	-0.49	-1.24	77.88	0.0
		0.0	-60.57	0.03	0.0	140.0	20.36	-1.90e-06	-0.49	-1.24	8.66	1.243e+04
						280.0	20.36	-177.62	-0.49	-1.24	-60.57	0.0
119	99	1.243e+04	55.00	-0.32	-355.25	0.0	22.47	177.62	-0.33	-1.21	55.00	0.0
		0.0	-37.24	0.01	0.0	140.0	22.47	-1.90e-06	-0.33	-1.21	8.88	1.243e+04
						280.0	22.47	-177.62	-0.33	-1.21	-37.24	0.0
119	100	1.442e+04	89.59	-0.37	-411.99	0.0	22.62	206.00	-0.57	-1.46	89.59	0.0
		0.0	-70.23	0.03	0.0	140.0	22.62	-1.49e-06	-0.57	-1.46	9.68	1.442e+04
						280.0	22.62	-206.00	-0.57	-1.46	-70.23	0.0
119	103	1.243e+04	117.00	-0.32	-355.25	0.0	25.38	177.62	-0.77	-1.17	117.00	0.0
		0.0	-98.34	0.05	0.0	140.0	25.38	-1.90e-06	-0.77	-1.17	9.33	1.243e+04
						280.0	25.38	-177.62	-0.77	-1.17	-98.34	0.0
119	104	1.243e+04	103.28	-0.32	-355.25	0.0	26.65	177.62	-0.67	-1.15	103.28	0.0
		0.0	-84.34	0.04	0.0	140.0	26.65	-1.90e-06	-0.67	-1.15	9.47	1.243e+04
						280.0	26.65	-177.62	-0.67	-1.15	-84.34	0.0
119	105	1.243e+04	77.88	-0.32	-355.25	0.0	20.36	177.62	-0.49	-1.24	77.88	0.0
		0.0	-60.57	0.03	0.0	140.0	20.36	-1.90e-06	-0.49	-1.24	8.66	1.243e+04
						280.0	20.36	-177.62	-0.49	-1.24	-60.57	0.0
119	106	1.243e+04	64.15	-0.32	-355.25	0.0	21.62	177.62	-0.40	-1.22	64.15	0.0
		0.0	-46.57	0.02	0.0	140.0	21.62	-1.90e-06	-0.40	-1.22	8.79	1.243e+04
						280.0	21.62	-177.62	-0.40	-1.22	-46.57	0.0
120	4	8049.09	5150.65	-0.01	-32.04	0.0	-81.67	101.91	84.33	0.76	-3281.99	-539.38
		-539.38	-3281.99	-0.05	0.0	50.0	-81.67	85.88	84.33	0.76	934.33	4155.40
						100.0	-81.67	69.86	84.33	0.76	5150.65	8049.09
120	5	2897.87	3290.27	-3.78e-03	-24.65	0.0	-51.37	41.54	54.60	0.42	-2170.07	-24.16
		-24.16	-2170.07	-0.01	0.0	50.0	-51.37	29.22	54.60	0.42	560.10	1744.97
						100.0	-51.37	16.90	54.60	0.42	3290.27	2897.87
120	11	6935.69	5844.60	-8.39e-03	-32.04	0.0	-93.23	90.88	94.59	0.41	-3614.19	-550.26
		-550.26	-3614.19	-0.06	0.0	50.0	-93.23	74.86	94.59	0.41	1115.21	3593.26
						100.0	-93.23	58.84	94.59	0.41	5844.60	6935.69
120	18	7037.70	6040.13	-9.78e-03	-32.04	0.0	-88.44	90.66	100.20	1.04	-3980.27	-426.44
		-426.44	-3980.27	-0.04	0.0	50.0	-88.44	74.64	100.20	1.04	1029.93	3706.18

						100.0	-88.44	58.62	100.20	1.04	6040.13	7037.70
120	27	1.978e+04	7647.82	0.06	-24.65	0.0	41.50	-466.90	129.01	2.45	-5543.98	1.978e+04
		-2.816e+04	-5543.98	0.06	0.0	50.0	41.50	-479.22	129.01	2.45	1051.92	-3880.95
						100.0	41.50	-491.55	129.01	2.45	7647.82	-2.816e+04
120	30	3.522e+04	3403.35	-0.06	-24.65	0.0	-123.69	564.80	-69.33	-2.72	3403.35	-2.004e+04
		-2.004e+04	-3820.38	-0.12	0.0	50.0	-123.69	552.47	-69.33	-2.72	-208.52	7899.94
						100.0	-123.69	540.15	-69.33	-2.72	-3820.38	3.522e+04
120	35	1.414e+04	9962.10	0.04	-24.65	0.0	-15.30	-323.44	165.19	6.60	-6861.25	1.414e+04
		-1.946e+04	-6861.25	0.17	0.0	50.0	-15.30	-335.77	165.19	6.60	1550.43	-2352.06
						100.0	-15.30	-348.09	165.19	6.60	9962.10	-1.946e+04
120	48	1.049e+04	1722.59	5.74e-03	-24.65	0.0	131.30	158.03	-44.13	10.90	1722.59	-4120.45
		-4120.45	-3555.21	0.26	0.0	50.0	131.30	145.71	-44.13	10.90	-916.31	3490.86
						100.0	131.30	133.38	-44.13	10.90	-3555.21	1.049e+04
120	49	3860.67	7382.65	-0.01	-24.65	0.0	-213.50	-60.13	103.81	-11.17	-3863.22	3860.67
		-3420.62	-3863.22	-0.33	0.0	50.0	-213.50	-72.46	103.81	-11.17	1759.72	528.13
						100.0	-213.50	-84.78	103.81	-11.17	7382.65	-3420.62
120	51	1.247e+04	1.033e+04	0.02	-24.65	0.0	-156.60	-283.04	157.04	-6.68	-6259.75	1.247e+04
		-1.711e+04	-6259.75	-0.20	0.0	50.0	-156.60	-295.36	157.04	-6.68	2035.22	-2011.02
						100.0	-156.60	-307.68	157.04	-6.68	1.033e+04	-1.711e+04
120	59	9459.70	4681.18	0.02	-24.65	0.0	-1.19	-199.46	77.71	1.06	-3233.42	9459.70
		-1.173e+04	-3233.42	9.36e-03	0.0	50.0	-1.19	-211.79	77.71	1.06	723.88	-824.70
						100.0	-1.19	-224.11	77.71	1.06	4681.18	-1.173e+04
120	62	1.879e+04	1092.79	-0.03	-24.65	0.0	-81.00	297.36	-18.03	-1.33	1092.79	-9719.48
		-9719.48	-853.75	-0.07	0.0	50.0	-81.00	285.04	-18.03	-1.33	119.52	4843.69
						100.0	-81.00	272.71	-18.03	-1.33	-853.75	1.879e+04
120	67	6716.93	5798.54	0.02	-24.65	0.0	-28.75	-129.64	95.15	2.88	-3865.17	6716.93
		-7487.29	-3865.17	0.06	0.0	50.0	-28.75	-141.96	95.15	2.88	966.69	-77.07
						100.0	-28.75	-154.29	95.15	2.88	5798.54	-7487.29
120	80	6804.22	299.53	1.05e-03	-24.65	0.0	43.27	100.25	-6.11	4.82	299.53	-2006.71
		-2006.71	-741.49	0.10	0.0	50.0	43.27	87.92	-6.11	4.82	-220.98	2706.87
						100.0	43.27	75.60	-6.11	4.82	-741.49	6804.22
120	81	1746.92	4568.93	-8.51e-03	-24.65	0.0	-125.46	-2.35	65.79	-5.09	-2440.16	1746.92
		261.10	-2440.16	-0.16	0.0	50.0	-125.46	-14.67	65.79	-5.09	1064.38	1312.12
						100.0	-125.46	-27.00	65.79	-5.09	4568.93	261.10
120	83	5892.83	5989.04	5.42e-03	-24.65	0.0	-97.83	-109.67	91.43	-3.07	-3594.17	5892.83
		-6326.12	-3594.17	-0.10	0.0	50.0	-97.83	-121.99	91.43	-3.07	1197.43	91.47
						100.0	-97.83	-134.32	91.43	-3.07	5989.04	-6326.12
120	87	2921.81	2842.11	-3.49e-03	-24.65	0.0	-48.25	42.05	46.43	0.21	-1800.98	-51.02
		-51.02	-1800.98	-0.02	0.0	50.0	-48.25	29.73	46.43	0.21	520.56	1743.51
						100.0	-48.25	17.40	46.43	0.21	2842.11	2921.81
120	90	5650.90	3641.93	-7.42e-03	-24.65	0.0	-59.26	72.37	59.45	0.46	-2303.00	-353.50
		-353.50	-2303.00	-0.04	0.0	50.0	-59.26	60.04	59.45	0.46	669.47	2956.81
						100.0	-59.26	47.72	59.45	0.46	3641.93	5650.90
120	93	4908.63	4104.56	-5.83e-03	-24.65	0.0	-66.97	65.02	66.29	0.23	-2524.46	-360.75
		-360.75	-2524.46	-0.04	0.0	50.0	-66.97	52.69	66.29	0.23	790.05	2582.05
						100.0	-66.97	40.37	66.29	0.23	4104.56	4908.63
120	97	4976.64	4234.92	-6.76e-03	-24.65	0.0	-63.78	64.87	70.03	0.65	-2768.52	-278.20
		-278.20	-2768.52	-0.03	0.0	50.0	-63.78	52.55	70.03	0.65	733.20	2657.33
						100.0	-63.78	40.22	70.03	0.65	4234.92	4976.64
120	98	2731.58	1835.90	-2.63e-03	-24.65	0.0	-40.33	40.26	28.41	-0.25	-1005.57	-61.76
		-61.76	-1005.57	-0.03	0.0	50.0	-40.33	27.93	28.41	-0.25	415.17	1643.02
						100.0	-40.33	15.61	28.41	-0.25	1835.90	2731.58
120	99	4066.71	1965.59	-4.70e-03	-24.65	0.0	-41.60	54.74	30.79	-0.06	-1113.48	-175.31
		-175.31	-1113.48	-0.03	0.0	50.0	-41.60	42.42	30.79	-0.06	426.06	2253.81
						100.0	-41.60	30.10	30.79	-0.06	1965.59	4066.71
120	102	3556.18	2129.90	-3.75e-03	-24.65	0.0	-44.48	49.49	33.15	-0.18	-1184.80	-160.04
		-160.04	-1184.80	-0.03	0.0	50.0	-44.48	37.16	33.15	-0.18	472.55	2006.18
						100.0	-44.48	24.84	33.15	-0.18	2129.90	3556.18
120	104	3596.07	2249.12	-4.16e-03	-24.65	0.0	-43.74	49.55	35.85	0.02	-1335.45	-126.31
		-126.31	-1335.45	-0.03	0.0	50.0	-43.74	37.22	35.85	0.02	456.83	2042.99
						100.0	-43.74	24.90	35.85	0.02	2249.12	3596.07
120	105	2731.58	1835.90	-2.63e-03	-24.65	0.0	-40.33	40.26	28.41	-0.25	-1005.57	-61.76
		-61.76	-1005.57	-0.03	0.0	50.0	-40.33	27.93	28.41	-0.25	415.17	1643.02
						100.0	-40.33	15.61	28.41	-0.25	1835.90	2731.58
120	106	3532.66	1913.72	-3.86e-03	-24.65	0.0	-41.10	48.95	29.84	-0.14	-1070.32	-129.89
		-129.89	-1070.32	-0.03	0.0	50.0	-41.10	36.63	29.84	-0.14	421.70	2009.50
						100.0	-41.10	24.30	29.84	-0.14	1913.72	3532.66
121	9	1.185e+04	5718.30	-6.44e-03	-32.04	0.0	-74.90	186.05	89.40	6.37	-3221.55	-5151.69
		-5151.69	-3221.55	-0.05	0.0	50.0	-74.90	170.03	89.40	6.37	1248.38	3750.23
						100.0	-74.90	154.01	89.40	6.37	5718.30	1.185e+04
121	11	1.190e+04	6028.68	-5.89e-03	-32.04	0.0	-90.03	174.87	94.85	4.36	-3455.95	-3979.91
		-3979.91	-3455.95	-0.06	0.0	50.0	-90.03	158.84	94.85	4.36	1286.37	4362.87
						100.0	-90.03	142.82	94.85	4.36	6028.68	1.190e+04
121	18	8731.73	6319.38	-3.40e-03	-32.04	0.0	-57.91	125.83	102.72	2.79	-3952.54	-2249.36
		-2249.36	-3952.54	-0.04	0.0	50.0	-57.91	109.81	102.72	2.79	1183.42	3641.73
						100.0	-57.91	93.79	102.72	2.79	6319.38	8731.73
121	19	3988.91	4535.69	-1.06e-03	-24.65	0.0	-7.91	64.89	75.65	2.31	-3029.60	-1267.30

		-1267.30	-3029.60	-6.70e-03	0.0	50.0	-7.91	52.56	75.65	2.31	753.04	1668.92
						100.0	-7.91	40.24	75.65	2.31	4535.69	3988.91
121	27	3.697e+04	6857.01	0.04	-24.65	0.0	431.51	-521.75	111.40	-5.86	-4782.31	3.697e+04
		-1.645e+04	-4782.31	0.06	0.0	50.0	431.51	-534.07	111.40	-5.86	1037.35	1.057e+04
						100.0	431.51	-546.40	111.40	-5.86	6857.01	-1.645e+04
121	30	2.701e+04	2867.46	-0.04	-24.65	0.0	-530.45	690.42	-53.57	8.54	2867.46	-4.081e+04
		-4.081e+04	-2988.65	-0.12	0.0	50.0	-530.45	678.10	-53.57	8.54	-60.60	-6595.34
						100.0	-530.45	665.77	-53.57	8.54	-2988.65	2.701e+04
121	35	2.517e+04	8841.50	0.02	-24.65	0.0	288.07	-338.33	151.97	5.75	-6885.05	2.517e+04
		-9906.93	-6885.05	0.17	0.0	50.0	288.07	-350.66	151.97	5.75	978.22	7941.72
						100.0	288.07	-362.98	151.97	5.75	8841.50	-9906.93
121	51	2.070e+04	9377.43	0.02	-24.65	0.0	225.39	-267.21	144.36	-4.32	-6653.62	2.070e+04
		-7278.48	-6653.62	-0.20	0.0	50.0	225.39	-279.54	144.36	-4.32	1361.90	7019.93
						100.0	225.39	-291.86	144.36	-4.32	9377.43	-7278.48
121	59	1.682e+04	4310.77	0.02	-24.65	0.0	182.47	-207.82	68.71	-2.07	-2807.68	1.682e+04
		-5196.69	-2807.68	9.53e-03	0.0	50.0	182.47	-220.15	68.71	-2.07	751.55	6121.29
						100.0	182.47	-232.47	68.71	-2.07	4310.77	-5196.69
121	62	1.575e+04	892.82	-0.02	-24.65	0.0	-281.41	376.49	-10.88	4.75	892.82	-2.067e+04
		-2.067e+04	-442.42	-0.07	0.0	50.0	-281.41	364.17	-10.88	4.75	225.20	-2148.45
						100.0	-281.41	351.85	-10.88	4.75	-442.42	1.575e+04
121	67	1.113e+04	5266.45	0.01	-24.65	0.0	113.08	-119.23	88.18	3.32	-3810.61	1.113e+04
		-2035.53	-3810.61	0.06	0.0	50.0	113.08	-131.55	88.18	3.32	727.92	4854.09
						100.0	113.08	-143.88	88.18	3.32	5266.45	-2035.53
121	83	8974.99	5536.74	8.19e-03	-24.65	0.0	82.92	-84.99	84.71	-1.36	-3722.53	8974.99
		-769.67	-3722.53	-0.10	0.0	50.0	82.92	-97.31	84.71	-1.36	907.11	4410.77
						100.0	82.92	-109.64	84.71	-1.36	5536.74	-769.67
121	91	8478.28	4020.96	-4.64e-03	-24.65	0.0	-54.82	134.07	62.70	4.45	-2249.11	-3695.94
		-3695.94	-2249.11	-0.03	0.0	50.0	-54.82	121.74	62.70	4.45	885.93	2699.28
						100.0	-54.82	109.42	62.70	4.45	4020.96	8478.28
121	93	8513.93	4227.88	-4.27e-03	-24.65	0.0	-64.90	126.61	66.33	3.11	-2405.38	-2914.75
		-2914.75	-2405.38	-0.04	0.0	50.0	-64.90	114.29	66.33	3.11	911.25	3107.71
						100.0	-64.90	101.96	66.33	3.11	4227.88	8513.93
121	94	4538.07	3676.26	-1.75e-03	-24.65	0.0	-21.46	74.07	60.10	2.23	-2333.86	-1636.70
		-1636.70	-2333.86	-0.01	0.0	50.0	-21.46	61.75	60.10	2.23	671.20	1758.80
						100.0	-21.46	49.42	60.10	2.23	3676.26	4538.07
121	97	6398.72	4421.68	-2.60e-03	-24.65	0.0	-43.49	93.92	71.58	2.07	-2736.44	-1761.05
		-1761.05	-2736.44	-0.03	0.0	50.0	-43.49	81.60	71.58	2.07	842.62	2626.95
						100.0	-43.49	69.27	71.58	2.07	4421.68	6398.72
121	100	5993.63	2060.90	-3.58e-03	-24.65	0.0	-49.92	98.45	30.50	2.38	-988.98	-2619.31
		-2619.31	-988.98	-0.03	0.0	50.0	-49.92	86.13	30.50	2.38	535.96	1995.27
						100.0	-49.92	73.80	30.50	2.38	2060.90	5993.63
121	102	6008.91	2149.58	-3.41e-03	-24.65	0.0	-54.25	95.26	32.06	1.81	-1055.95	-2284.52
		-2284.52	-1055.95	-0.03	0.0	50.0	-54.25	82.93	32.06	1.81	546.81	2170.31
						100.0	-54.25	70.61	32.06	1.81	2149.58	6008.91
121	103	5118.52	2211.65	-2.82e-03	-24.65	0.0	-40.41	84.84	33.91	1.98	-1179.14	-2133.02
		-2133.02	-1179.14	-0.03	0.0	50.0	-40.41	72.52	33.91	1.98	516.26	1800.86
						100.0	-40.41	60.19	33.91	1.98	2211.65	5118.52
121	104	5133.80	2300.33	-2.66e-03	-24.65	0.0	-44.73	81.64	35.46	1.40	-1246.11	-1798.22
		-1798.22	-1246.11	-0.03	0.0	50.0	-44.73	69.32	35.46	1.40	527.11	1975.90
						100.0	-44.73	57.00	35.46	1.40	2300.33	5133.80
121	105	5263.63	1845.50	-3.10e-03	-24.65	0.0	-45.15	87.53	27.36	1.91	-890.46	-2257.10
		-2257.10	-890.46	-0.03	0.0	50.0	-45.15	75.21	27.36	1.91	477.52	1811.38
						100.0	-45.15	62.88	27.36	1.91	1845.50	5263.63
121	106	5278.92	1934.18	-2.93e-03	-24.65	0.0	-49.47	84.34	28.92	1.34	-957.43	-1922.30
		-1922.30	-957.43	-0.03	0.0	50.0	-49.47	72.01	28.92	1.34	488.37	1986.42
						100.0	-49.47	59.69	28.92	1.34	1934.18	5278.92
122	4	2.026e+04	4387.27	-7.21e-03	-32.04	0.0	-211.29	-87.42	64.17	-17.49	-2029.90	2.026e+04
		9911.64	-2029.90	-0.06	0.0	50.0	-211.29	-103.44	64.17	-17.49	1178.69	1.548e+04
						100.0	-211.29	-119.46	64.17	-17.49	4387.27	9911.64
122	5	1.230e+04	2732.96	7.13e-03	-24.65	0.0	-67.56	-67.69	39.84	-9.72	-1250.57	1.230e+04
		4299.34	-1250.57	-0.02	0.0	50.0	-67.56	-80.01	39.84	-9.72	741.20	8608.19
						100.0	-67.56	-92.34	39.84	-9.72	2732.96	4299.34
122	9	2.940e+04	5052.53	0.01	-32.04	0.0	-133.66	-141.14	74.52	-21.97	-2399.72	2.940e+04
		1.368e+04	-2399.72	-0.05	0.0	50.0	-133.66	-157.17	74.52	-21.97	1326.41	2.194e+04
						100.0	-133.66	-173.19	74.52	-21.97	5052.53	1.368e+04
122	11	2.756e+04	5168.26	8.82e-03	-32.04	0.0	-201.89	-124.69	75.97	-21.89	-2429.08	2.756e+04
		1.348e+04	-2429.08	-0.06	0.0	50.0	-201.89	-140.72	75.97	-21.89	1369.59	2.092e+04
						100.0	-201.89	-156.74	75.97	-21.89	5168.26	1.348e+04
122	21	1.159e+04	3489.19	5.33e-03	-24.65	0.0	-136.11	-75.70	50.18	-9.84	-1529.17	1.159e+04
		2791.79	-1529.17	-0.02	0.0	50.0	-136.11	-88.02	50.18	-9.84	980.01	7501.14
						100.0	-136.11	-100.35	50.18	-9.84	3489.19	2791.79
122	27	3.304e+04	5680.70	0.06	-24.65	0.0	-3.25	-518.87	72.04	-17.75	-1065.80	3.304e+04
		-2.008e+04	-1065.80	0.06	0.0	50.0	-3.25	-531.19	72.04	-17.75	2307.45	6789.37
						100.0	-3.25	-543.51	72.04	-17.75	5680.70	-2.008e+04
122	39	2.571e+04	6972.70	0.02	-24.65	0.0	16.35	-359.53	87.47	-17.83	659.58	2.571e+04
		-1.149e+04	659.58	-0.30	0.0	50.0	16.35	-371.85	87.47	-17.83	3816.14	7415.82
						100.0	16.35	-384.18	87.47	-17.83	6972.70	-1.149e+04

122	42	2.436e+04 -4790.58	-2484.23 -3251.95	-0.02 0.23	-24.65 0.0	0.0 50.0 100.0	-194.99 -194.99 -194.99	303.71 291.38 279.06	-32.02 -32.02 -32.02	-1.59 -1.59 -1.59	-2484.23 -2868.09 -3251.95	-4790.58 1.009e+04 2.436e+04
122	51	2.399e+04 -9555.62	7978.68 606.73	0.02 -0.20	-24.65 0.0	0.0 50.0 100.0	13.60 13.60 13.60	-323.00 -335.33 -347.65	93.81 93.81 93.81	-18.78 -18.78 -18.78	606.73 4292.70 7978.68	2.399e+04 7525.51 -9555.62
122	54	2.243e+04 -3073.67	-2431.38 -4257.92	-0.02 0.13	-24.65 0.0	0.0 50.0 100.0	-192.25 -192.25 -192.25	267.18 254.86 242.53	-38.36 -38.36 -38.36	-0.64 -0.64 -0.64	-2431.38 -3344.65 -4257.92	-3073.67 9983.95 2.243e+04
122	59	2.132e+04 -6312.19	3709.41 -976.83	0.03 9.63e-03	-24.65 0.0	0.0 50.0 100.0	-47.29 -47.29 -47.29	-264.00 -276.32 -288.65	49.14 49.14 49.14	-13.60 -13.60 -13.60	-976.83 1366.29 3709.41	2.132e+04 7813.12 -6312.19
122	71	1.778e+04 -2156.83	4347.43 -144.89	0.01 -0.15	-24.65 0.0	0.0 50.0 100.0	-37.89 -37.89 -37.89	-187.03 -199.35 -211.68	56.89 56.89 56.89	-13.68 -13.68 -13.68	-144.89 2101.27 4347.43	1.778e+04 8121.96 -2156.83
122	74	1.503e+04 3132.23	-626.68 -1679.77	-0.01 0.08	-24.65 0.0	0.0 50.0 100.0	-140.75 -140.75 -140.75	131.21 118.88 106.56	-1.43 -1.43 -1.43	-5.75 -5.75 -5.75	-1679.77 -1153.22 -626.68	3132.23 9387.51 1.503e+04
122	83	1.692e+04 -1180.01	4835.09 -167.26	8.33e-03 -0.11	-24.65 0.0	0.0 50.0 100.0	-38.97 -38.97 -38.97	-168.57 -180.89 -193.22	59.79 59.79 59.79	-14.13 -14.13 -14.13	-167.26 2333.92 4835.09	1.692e+04 8175.89 -1180.01
122	84	9457.16 7931.19	-24.48 -2057.15	4.58e-03 0.12	-24.65 0.0	0.0 50.0 100.0	-123.01 -123.01 -123.01	27.55 15.22 2.90	9.92 9.92 9.92	-7.46 -7.46 -7.46	-2057.15 -1040.82 -24.48	7931.19 9002.29 9457.16
122	87	1.212e+04 5184.80	2467.81 -1153.17	5.61e-03 -0.02	-24.65 0.0	0.0 50.0 100.0	-70.13 -70.13 -70.13	-57.07 -69.39 -81.72	36.21 36.21 36.21	-9.93 -9.93 -9.93	-1153.17 657.32 2467.81	1.212e+04 8962.63 5184.80
122	90	1.471e+04 7318.83	3131.76 -1455.65	-5.25e-03 -0.04	-24.65 0.0	0.0 50.0 100.0	-148.35 -148.35 -148.35	-61.55 -73.88 -86.20	45.87 45.87 45.87	-12.76 -12.76 -12.76	-1455.65 838.05 3131.76	1.471e+04 1.132e+04 7318.83
122	91	2.080e+04 9834.32	3575.26 -1702.19	9.48e-03 -0.04	-24.65 0.0	0.0 50.0 100.0	-96.59 -96.59 -96.59	-97.37 -109.70 -122.02	52.77 52.77 52.77	-15.75 -15.75 -15.75	-1702.19 936.54 3575.26	2.080e+04 1.563e+04 9834.32
122	93	1.957e+04 9700.81	3652.42 -1721.77	6.17e-03 -0.05	-24.65 0.0	0.0 50.0 100.0	-142.09 -142.09 -142.09	-86.40 -98.73 -111.05	53.74 53.74 53.74	-15.69 -15.69 -15.69	-1721.77 965.32 3652.42	1.957e+04 1.495e+04 9700.81
122	96	1.165e+04 4179.77	2971.96 -1338.90	4.41e-03 -0.03	-24.65 0.0	0.0 50.0 100.0	-115.83 -115.83 -115.83	-62.41 -74.73 -87.06	43.11 43.11 43.11	-10.00 -10.00 -10.00	-1338.90 816.53 2971.96	1.165e+04 8224.59 4179.77
122	98	1.099e+04 6492.08	1827.31 -903.94	-4.09e-03 -0.03	-24.65 0.0	0.0 50.0 100.0	-69.83 -69.83 -69.83	-32.61 -44.93 -57.26	27.31 27.31 27.31	-9.73 -9.73 -9.73	-903.94 461.69 1827.31	1.099e+04 9046.94 6492.08
122	99	1.011e+04 6396.72	1882.42 -917.92	-4.87e-03 -0.04	-24.65 0.0	0.0 50.0 100.0	-102.32 -102.32 -102.32	-24.78 -37.10 -49.43	28.00 28.00 28.00	-9.70 -9.70 -9.70	-917.92 482.25 1882.42	1.011e+04 8559.92 6396.72
122	100	1.272e+04 7421.99	2048.80 -1013.74	-4.51e-03 -0.03	-24.65 0.0	0.0 50.0 100.0	-75.12 -75.12 -75.12	-40.67 -53.00 -65.32	30.63 30.63 30.63	-10.90 -10.90 -10.90	-1013.74 517.53 2048.80	1.272e+04 1.038e+04 7421.99
122	102	1.219e+04 7364.77	2081.87 -1022.13	-4.96e-03 -0.04	-24.65 0.0	0.0 50.0 100.0	-94.61 -94.61 -94.61	-35.97 -48.30 -60.62	31.04 31.04 31.04	-10.87 -10.87 -10.87	-1022.13 529.87 2081.87	1.219e+04 1.009e+04 7364.77
122	104	1.084e+04 5999.10	2073.88 -995.41	-4.07e-03 -0.03	-24.65 0.0	0.0 50.0 100.0	-89.43 -89.43 -89.43	-36.06 -48.39 -60.71	30.69 30.69 30.69	-9.77 -9.77 -9.77	-995.41 539.24 2073.88	1.084e+04 8726.63 5999.10
122	105	1.099e+04 6492.08	1827.31 -903.94	-4.09e-03 -0.03	-24.65 0.0	0.0 50.0 100.0	-69.83 -69.83 -69.83	-32.61 -44.93 -57.26	27.31 27.31 27.31	-9.73 -9.73 -9.73	-903.94 461.69 1827.31	1.099e+04 9046.94 6492.08
122	106	1.046e+04 6434.86	1860.38 -912.33	-4.54e-03 -0.03	-24.65 0.0	0.0 50.0 100.0	-89.32 -89.32 -89.32	-27.91 -40.24 -52.56	27.73 27.73 27.73	-9.71 -9.71 -9.71	-912.33 474.02 1860.38	1.046e+04 8754.73 6434.86
123	9	4.135e+04 1.486e+04	4390.35 -2712.20	0.02 -0.06	-32.04 0.0	0.0 50.0 100.0	-95.88 -95.88 -95.88	-248.93 -264.95 -280.97	71.03 71.03 71.03	-27.36 -27.36 -27.36	-2712.20 839.08 4390.35	4.135e+04 2.850e+04 1.486e+04
123	11	4.099e+04 1.549e+04	4575.60 -2733.99	0.02 -0.07	-32.04 0.0	0.0 50.0 100.0	-89.09 -89.09 -89.09	-239.00 -255.03 -271.05	73.10 73.10 73.10	-25.38 -25.38 -25.38	-2733.99 920.81 4575.60	4.099e+04 2.864e+04 1.549e+04
123	18	3.607e+04 8331.18	4600.96 -2640.52	0.03 -0.05	-32.04 0.0	0.0 50.0 100.0	-17.49 -17.49 -17.49	-261.34 -277.37 -293.39	72.41 72.41 72.41	-18.51 -18.51 -18.51	-2640.52 980.22 4600.96	3.607e+04 2.260e+04 8331.18
123	19	2.264e+04 448.34	3200.64 -1820.68	0.02 -0.01	-24.65 0.0	0.0 50.0 100.0	32.86 32.86 32.86	-209.64 -221.96 -234.28	50.21 50.21 50.21	-10.02 -10.02 -10.02	-1820.68 689.98 3200.64	2.264e+04 1.185e+04 448.34
123	21	2.228e+04 1080.37	3385.89 -1842.47	0.02 -0.03	-24.65 0.0	0.0 50.0 100.0	39.66 39.66 39.66	-199.71 -212.03 -224.36	52.28 52.28 52.28	-8.03 -8.03 -8.03	-1842.47 771.71 3385.89	2.228e+04 1.199e+04 1080.37
123	31	3.562e+04 -1.058e+04	6758.14 -2456.86	0.05 0.15	-24.65 0.0	0.0 50.0	113.70 113.70	-449.62 -461.95	99.70 99.70	-24.41 -24.41	-2456.86 2150.64	3.562e+04 1.283e+04

						100.0	113.70	-474.27	99.70	-24.41	6758.14	-1.058e+04
123	32	5.064e+04	4163.88	0.09	-24.65	0.0	41.38	-738.03	67.52	-19.39	-3650.20	5.064e+04
		-2.441e+04	-3650.20	0.34	0.0	50.0	41.38	-750.35	67.52	-19.39	256.84	1.343e+04
						100.0	41.38	-762.68	67.52	-19.39	4163.88	-2.441e+04
123	34	2.719e+04	505.41	-0.04	-24.65	0.0	-243.48	344.81	-49.31	-0.14	505.41	-6065.86
		-6065.86	-3670.12	-0.22	0.0	50.0	-243.48	332.49	-49.31	-0.14	-1582.36	1.087e+04
						100.0	-243.48	320.17	-49.31	-0.14	-3670.12	2.719e+04
123	51	2.071e+04	7680.42	-0.03	-24.65	0.0	94.02	206.57	97.83	-24.13	469.17	1262.09
		1262.09	469.17	-0.20	0.0	50.0	94.02	194.25	97.83	-24.13	4074.80	1.129e+04
						100.0	94.02	181.92	97.83	-24.13	7680.42	2.071e+04
123	54	2.830e+04	-2420.63	0.04	-24.65	0.0	-223.80	-311.38	-47.43	-0.42	-2420.63	2.830e+04
		-4098.58	-4592.41	0.13	0.0	50.0	-223.80	-323.71	-47.43	-0.42	-3506.52	-1.241e+04
						100.0	-223.80	-336.03	-47.43	-0.42	-4592.41	-4098.58
123	56	3.084e+04	2245.79	0.04	-24.65	0.0	-30.72	-361.65	38.06	-15.20	-2029.81	3.084e+04
		-6559.22	-2029.81	0.08	0.0	50.0	-30.72	-373.98	38.06	-15.20	107.99	1.245e+04
						100.0	-30.72	-386.30	38.06	-15.20	2245.79	-6559.22
123	63	2.417e+04	4058.20	0.03	-24.65	0.0	16.76	-231.09	60.96	-18.15	-1659.74	2.417e+04
		-177.32	-1659.74	0.05	0.0	50.0	16.76	-243.42	60.96	-18.15	1199.23	1.230e+04
						100.0	16.76	-255.74	60.96	-18.15	4058.20	-177.32
123	66	1.679e+04	-291.71	-0.02	-24.65	0.0	-146.54	126.28	-10.56	-6.41	-291.71	5390.41
		5390.41	-970.19	-0.12	0.0	50.0	-146.54	113.96	-10.56	-6.41	-630.95	1.140e+04
						100.0	-146.54	101.63	-10.56	-6.41	-970.19	1.679e+04
123	83	1.371e+04	4524.50	-0.01	-24.65	0.0	8.03	60.47	60.32	-18.05	-268.11	8877.44
		8877.44	-268.11	-0.11	0.0	50.0	8.03	48.15	60.32	-18.05	2128.20	1.160e+04
						100.0	8.03	35.82	60.32	-18.05	4524.50	1.371e+04
123	84	2.830e+04	-306.09	0.04	-24.65	0.0	-98.81	-310.65	6.84	-9.30	-2268.03	2.830e+04
		-4012.13	-2268.03	0.11	0.0	50.0	-98.81	-322.98	6.84	-9.30	-1287.06	1.245e+04
						100.0	-98.81	-335.30	6.84	-9.30	-306.09	-4012.13
123	91	2.919e+04	3095.36	0.02	-24.65	0.0	-71.34	-171.75	50.12	-19.71	-1917.05	2.919e+04
		1.078e+04	-1917.05	-0.04	0.0	50.0	-71.34	-184.08	50.12	-19.71	589.16	2.030e+04
						100.0	-71.34	-196.40	50.12	-19.71	3095.36	1.078e+04
123	93	2.895e+04	3218.86	0.02	-24.65	0.0	-66.81	-165.13	51.50	-18.39	-1931.57	2.895e+04
		1.121e+04	-1931.57	-0.05	0.0	50.0	-66.81	-177.46	51.50	-18.39	643.64	2.039e+04
						100.0	-66.81	-189.78	51.50	-18.39	3218.86	1.121e+04
123	94	2.042e+04	2661.14	0.02	-24.65	0.0	-1.86	-159.74	42.18	-11.20	-1557.31	2.042e+04
		3209.58	-1557.31	-0.02	0.0	50.0	-1.86	-172.06	42.18	-11.20	551.92	1.212e+04
						100.0	-1.86	-184.39	42.18	-11.20	2661.14	3209.58
123	96	2.018e+04	2784.64	0.02	-24.65	0.0	2.67	-153.12	43.56	-9.88	-1571.83	2.018e+04
		3630.94	-1571.83	-0.03	0.0	50.0	2.67	-165.45	43.56	-9.88	606.41	1.221e+04
						100.0	2.67	-177.77	43.56	-9.88	2784.64	3630.94
123	97	2.567e+04	3235.76	0.02	-24.65	0.0	-19.08	-180.03	51.05	-13.81	-1869.26	2.567e+04
		6435.24	-1869.26	-0.04	0.0	50.0	-19.08	-192.35	51.05	-13.81	683.25	1.636e+04
						100.0	-19.08	-204.68	51.05	-13.81	3235.76	6435.24
123	100	1.708e+04	1671.53	6.24e-03	-24.65	0.0	-75.53	-66.00	27.60	-14.41	-1088.48	1.708e+04
		9247.01	-1088.48	-0.03	0.0	50.0	-75.53	-78.33	27.60	-14.41	291.53	1.347e+04
						100.0	-75.53	-90.65	27.60	-14.41	1671.53	9247.01
123	102	1.698e+04	1724.46	5.76e-03	-24.65	0.0	-73.58	-63.17	28.19	-13.85	-1094.70	1.698e+04
		9427.59	-1094.70	-0.04	0.0	50.0	-73.58	-75.49	28.19	-13.85	314.88	1.351e+04
						100.0	-73.58	-87.82	28.19	-13.85	1724.46	9427.59
123	103	1.599e+04	1725.09	7.55e-03	-24.65	0.0	-53.84	-76.14	28.12	-12.52	-1087.06	1.599e+04
		7142.15	-1087.06	-0.03	0.0	50.0	-53.84	-88.47	28.12	-12.52	319.01	1.187e+04
						100.0	-53.84	-100.79	28.12	-12.52	1725.09	7142.15
123	104	1.589e+04	1778.02	7.07e-03	-24.65	0.0	-51.89	-73.30	28.71	-11.95	-1093.29	1.589e+04
		7322.73	-1093.29	-0.03	0.0	50.0	-51.89	-85.63	28.71	-11.95	342.37	1.191e+04
						100.0	-51.89	-97.95	28.71	-11.95	1778.02	7322.73
123	105	1.488e+04	1491.08	5.24e-03	-24.65	0.0	-66.83	-55.24	24.61	-12.84	-969.50	1.488e+04
		8125.29	-969.50	-0.03	0.0	50.0	-66.83	-67.57	24.61	-12.84	260.79	1.181e+04
						100.0	-66.83	-79.89	24.61	-12.84	1491.08	8125.29
123	106	1.478e+04	1544.01	4.75e-03	-24.65	0.0	-64.89	-52.40	25.20	-12.28	-975.73	1.478e+04
		8305.87	-975.73	-0.04	0.0	50.0	-64.89	-64.73	25.20	-12.28	284.14	1.185e+04
						100.0	-64.89	-77.05	25.20	-12.28	1544.01	8305.87
124	5	84.78	254.64	0.02	-8.48	0.0	35.53	4.24	5.28	7.61	-167.84	0.0
		0.0	-167.84	4.92e-03	0.0	40.0	35.53	0.0	5.28	7.61	43.40	84.78
						80.0	35.53	-4.24	5.28	7.61	254.64	0.0
124	7	84.78	305.67	0.03	-8.48	0.0	41.68	4.24	6.38	7.71	-204.89	0.0
		0.0	-204.89	-8.01e-03	0.0	40.0	41.68	0.0	6.38	7.71	50.39	84.78
						80.0	41.68	-4.24	6.38	7.71	305.67	0.0
124	9	110.21	607.86	0.05	-11.02	0.0	66.03	5.51	12.80	19.63	-415.97	0.0
		0.0	-415.97	-9.21e-03	0.0	40.0	66.03	0.0	12.80	19.63	95.94	110.21
						80.0	66.03	-5.51	12.80	19.63	607.86	0.0
124	11	110.21	643.58	0.06	-11.02	0.0	70.33	5.51	13.57	19.70	-441.91	0.0
		0.0	-441.91	-0.02	0.0	40.0	70.33	0.0	13.57	19.70	100.84	110.21
						80.0	70.33	-5.51	13.57	19.70	643.58	0.0
124	23	84.78	95.91	-0.02	-8.48	0.0	-70.51	4.24	1.28	8.49	-6.31	0.0
		0.0	-6.31	0.03	0.0	40.0	-70.51	0.0	1.28	8.49	44.80	84.78
						80.0	-70.51	-4.24	1.28	8.49	95.91	0.0
124	24	84.78	561.69	-3.19e-03	-8.48	0.0	-145.16	4.24	-15.06	9.21	561.69	0.0

		0.0	-644.65	0.17	0.0	40.0	-145.16	0.0	-15.06	9.21	-41.48	84.78
						80.0	-145.16	-4.24	-15.06	9.21	-644.65	0.0
124	25	84.78	1215.70	0.06	-8.48	0.0	196.43	4.24	27.21	6.79	-962.06	0.0
		0.0	-962.06	-0.21	0.0	40.0	196.43	0.0	27.21	6.79	126.82	84.78
						80.0	196.43	-4.24	27.21	6.79	1215.70	0.0
124	41	84.78	1687.75	0.01	-8.48	0.0	190.09	4.24	37.20	6.54	-1290.21	0.0
		0.0	-1290.21	-0.29	0.0	40.0	190.09	0.0	37.20	6.54	198.77	84.78
						80.0	190.09	-4.24	37.20	6.54	1687.75	0.0
124	55	84.78	194.04	4.68e-03	-8.48	0.0	-20.71	4.24	3.77	8.23	-107.06	0.0
		0.0	-107.06	7.40e-03	0.0	40.0	-20.71	0.0	3.77	8.23	43.49	84.78
						80.0	-20.71	-4.24	3.77	8.23	194.04	0.0
124	56	84.78	173.04	0.01	-8.48	0.0	-57.14	4.24	-4.28	8.58	173.04	0.0
		0.0	-170.24	0.07	0.0	40.0	-57.14	0.0	-4.28	8.58	1.40	84.78
						80.0	-57.14	-4.24	-4.28	8.58	-170.24	0.0
124	57	84.78	741.29	0.04	-8.48	0.0	108.42	4.24	16.43	7.42	-573.41	0.0
		0.0	-573.41	-0.10	0.0	40.0	108.42	0.0	16.43	7.42	83.94	84.78
						80.0	108.42	-4.24	16.43	7.42	741.29	0.0
124	73	84.78	974.75	0.02	-8.48	0.0	105.73	4.24	21.39	7.30	-736.97	0.0
		0.0	-736.97	-0.13	0.0	40.0	105.73	0.0	21.39	7.30	118.89	84.78
						80.0	105.73	-4.24	21.39	7.30	974.75	0.0
124	87	84.78	267.05	0.02	-8.48	0.0	32.33	4.24	5.59	7.94	-179.99	0.0
		0.0	-179.99	-1.72e-03	0.0	40.0	32.33	0.0	5.59	7.94	43.53	84.78
						80.0	32.33	-4.24	5.59	7.94	267.05	0.0
124	89	84.78	301.07	0.03	-8.48	0.0	36.42	4.24	6.32	8.00	-204.69	0.0
		0.0	-204.69	-9.86e-03	0.0	40.0	36.42	0.0	6.32	8.00	48.19	84.78
						80.0	36.42	-4.24	6.32	8.00	301.07	0.0
124	91	84.78	436.43	0.04	-8.48	0.0	46.77	4.24	9.20	13.95	-299.18	0.0
		0.0	-299.18	-7.59e-03	0.0	40.0	46.77	0.0	9.20	13.95	68.63	84.78
						80.0	46.77	-4.24	9.20	13.95	436.43	0.0
124	93	84.78	460.25	0.04	-8.48	0.0	49.64	4.24	9.71	13.99	-316.47	0.0
		0.0	-316.47	-0.01	0.0	40.0	49.64	0.0	9.71	13.99	71.89	84.78
						80.0	49.64	-4.24	9.71	13.99	460.25	0.0
124	98	84.78	275.32	0.02	-8.48	0.0	24.41	4.24	5.85	7.98	-192.78	0.0
		0.0	-192.78	-0.01	0.0	40.0	24.41	0.0	5.85	7.98	41.27	84.78
						80.0	24.41	-4.24	5.85	7.98	275.32	0.0
124	99	84.78	292.33	0.03	-8.48	0.0	26.46	4.24	6.22	8.01	-205.13	0.0
		0.0	-205.13	-0.02	0.0	40.0	26.46	0.0	6.22	8.01	43.60	84.78
						80.0	26.46	-4.24	6.22	8.01	292.33	0.0
124	100	84.78	309.20	0.03	-8.48	0.0	27.30	4.24	6.57	9.18	-216.62	0.0
		0.0	-216.62	-0.01	0.0	40.0	27.30	0.0	6.57	9.18	46.29	84.78
						80.0	27.30	-4.24	6.57	9.18	309.20	0.0
124	102	84.78	319.40	0.03	-8.48	0.0	28.53	4.24	6.79	9.20	-224.02	0.0
		0.0	-224.02	-0.02	0.0	40.0	28.53	0.0	6.79	9.20	47.69	84.78
						80.0	28.53	-4.24	6.79	9.20	319.40	0.0
124	105	84.78	275.32	0.02	-8.48	0.0	24.41	4.24	5.85	7.98	-192.78	0.0
		0.0	-192.78	-0.01	0.0	40.0	24.41	0.0	5.85	7.98	41.27	84.78
						80.0	24.41	-4.24	5.85	7.98	275.32	0.0
124	106	84.78	285.52	0.03	-8.48	0.0	25.64	4.24	6.07	8.00	-200.19	0.0
		0.0	-200.19	-0.02	0.0	40.0	25.64	0.0	6.07	8.00	42.67	84.78
						80.0	25.64	-4.24	6.07	8.00	285.52	0.0
125	7	1.010e+04	2673.66	-0.08	-24.65	0.0	9.62	38.85	59.41	0.0	-3267.13	7444.56
		7444.56	-3267.13	-0.04	0.0	50.0	9.62	26.53	59.41	0.0	-296.73	9079.18
						100.0	9.62	14.21	59.41	0.0	2673.66	1.010e+04
125	9	2.000e+04	2731.22	-0.19	-32.04	0.0	-59.71	127.53	69.13	0.0	-4182.25	8850.56
		8850.56	-4182.25	-0.06	0.0	50.0	-59.71	111.51	69.13	0.0	-725.51	1.483e+04
						100.0	-59.71	95.48	69.13	0.0	2731.22	2.000e+04
125	18	1.860e+04	4077.46	-0.15	-32.04	0.0	-11.65	69.39	93.50	0.0	-5272.64	1.326e+04
		1.326e+04	-5272.64	-0.05	0.0	50.0	-11.65	53.37	93.50	0.0	-597.59	1.633e+04
						100.0	-11.65	37.34	93.50	0.0	4077.46	1.860e+04
125	21	1.287e+04	3748.42	-0.07	-24.65	0.0	19.54	9.79	82.12	0.0	-4463.25	1.268e+04
		1.242e+04	-4463.25	-0.02	0.0	50.0	19.54	-2.53	82.12	0.0	-357.41	1.286e+04
						100.0	19.54	-14.86	82.12	0.0	3748.42	1.242e+04
125	35	3.080e+04	8559.03	-0.10	-24.65	0.0	451.17	-86.80	167.77	0.0	-8544.83	3.080e+04
		2.088e+04	-8544.83	0.17	0.0	50.0	451.17	-99.12	167.77	0.0	7.10	2.615e+04
						100.0	451.17	-111.45	167.77	0.0	8559.03	2.088e+04
125	38	-6810.73	6356.35	-0.07	-24.65	0.0	-513.17	251.19	-135.47	0.0	6356.35	-3.070e+04
		-3.070e+04	-7517.42	-0.24	0.0	50.0	-513.17	238.87	-135.47	0.0	-580.53	-1.845e+04
						100.0	-513.17	226.54	-135.47	0.0	-7517.42	-6810.73
125	44	5.417e+04	1563.34	0.21	-24.65	0.0	-211.66	-216.52	-37.63	0.0	1563.34	5.417e+04
		3.140e+04	-2847.12	0.35	0.0	50.0	-211.66	-228.85	-37.63	0.0	-641.89	4.309e+04
						100.0	-211.66	-241.17	-37.63	0.0	-2847.12	3.140e+04
125	45	-1.733e+04	3888.73	-0.38	-24.65	0.0	149.65	380.91	69.94	0.0	-3751.81	-5.408e+04
		-5.408e+04	-3751.81	-0.42	0.0	50.0	149.65	368.59	69.94	0.0	68.46	-3.539e+04
						100.0	149.65	356.27	69.94	0.0	3888.73	-1.733e+04
125	67	1.360e+04	4392.91	-0.10	-24.65	0.0	195.75	8.66	89.07	0.0	-4672.37	1.345e+04
		1.308e+04	-4672.37	0.06	0.0	50.0	195.75	-3.67	89.07	0.0	-139.73	1.357e+04
						100.0	195.75	-15.99	89.07	0.0	4392.91	1.308e+04

125	70	992.54 -1.335e+04	2483.89 -3351.30	-0.08 -0.13	-24.65 0.0	0.0 50.0 100.0	-257.76 -257.76 -257.76	155.74 143.41 131.09	-56.77 -56.77 -56.77	0.0 0.0 0.0	2483.89-1.335e+04 -433.70 -5871.63 -3351.30 992.54
125	76	2.353e+04 1.764e+04	199.70 -1100.17	0.05 0.13	-24.65 0.0	0.0 50.0 100.0	-118.83 -118.83 -118.83	-47.27 -59.60 -71.92	-9.79 -9.79 -9.79	0.0 0.0 0.0	199.70 2.353e+04 -450.24 2.089e+04 -1100.17 1.764e+04
125	77	-3568.04 -2.343e+04	2141.78 -2388.18	-0.22 -0.21	-24.65 0.0	0.0 50.0 100.0	56.82 56.82 56.82	211.67 199.34 187.02	42.09 42.09 42.09	0.0 0.0 0.0	-2388.18-2.343e+04 -123.20-1.319e+04 2141.78 -3568.04
125	89	9245.84 5023.10	1935.60 -2542.82	-0.08 -0.04	-24.65 0.0	0.0 50.0 100.0	-5.98 -5.98 -5.98	54.55 42.23 29.90	44.78 44.78 44.78	0.0 0.0 0.0	-2542.82 5023.10 -303.61 7442.58 1935.60 9245.84
125	91	1.412e+04 5893.74	1869.31 -2903.34	-0.14 -0.04	-24.65 0.0	0.0 50.0 100.0	-43.71 -43.71 -43.71	94.56 82.23 69.91	47.73 47.73 47.73	0.0 0.0 0.0	-2903.34 5893.74 -517.02 1.031e+04 1869.31 1.412e+04
125	96	1.080e+04 8510.08	2652.11 -3340.24	-0.08 -0.03	-24.65 0.0	0.0 50.0 100.0	0.62 0.62 0.62	35.18 22.85 10.53	59.92 59.92 59.92	0.0 0.0 0.0	-3340.24 8510.08 -344.07 9960.87 2652.11 1.080e+04
125	97	1.318e+04 8834.41	2766.80 -3630.26	-0.11 -0.04	-24.65 0.0	0.0 50.0 100.0	-11.67 -11.67 -11.67	55.80 43.47 31.15	63.97 63.97 63.97	0.0 0.0 0.0	-3630.26 8834.41 -431.73 1.132e+04 2766.80 1.318e+04
125	99	7015.38 3.51	579.94 -1138.14	-0.09 -0.04	-24.65 0.0	0.0 50.0 100.0	-28.38 -28.38 -28.38	82.44 70.12 57.79	17.18 17.18 17.18	0.0 0.0 0.0	-1138.14 3.51 -279.10 3817.56 579.94 7015.38
125	100	8019.25 244.24	477.98 -1144.39	-0.10 -0.04	-24.65 0.0	0.0 50.0 100.0	-39.86 -39.86 -39.86	90.07 77.75 65.43	16.22 16.22 16.22	0.0 0.0 0.0	-1144.39 244.24 -333.20 4439.86 477.98 8019.25
125	104	7795.12 1758.10	923.41 -1525.88	-0.09 -0.03	-24.65 0.0	0.0 50.0 100.0	-25.73 -25.73 -25.73	72.69 60.37 48.05	24.49 24.49 24.49	0.0 0.0 0.0	-1525.88 1758.10 -301.23 5084.72 923.41 7795.12
125	105	7064.81 114.50	432.10 -1028.38	-0.09 -0.03	-24.65 0.0	0.0 50.0 100.0	-34.94 -34.94 -34.94	81.83 69.50 57.18	14.60 14.60 14.60	0.0 0.0 0.0	-1028.38 114.50 -298.14 3897.77 432.10 7064.81
125	106	7035.15 47.91	520.81 -1094.24	-0.09 -0.04	-24.65 0.0	0.0 50.0 100.0	-31.00 -31.00 -31.00	82.20 69.87 57.55	16.15 16.15 16.15	0.0 0.0 0.0	-1094.24 47.91 -286.72 3849.64 520.81 7035.15
126	5	0.0 -2830.73	885.59 -527.53	6.99e-04 6.42e-03	-52.40 0.0	0.0 26.5 53.0	-50.97 -50.97 -50.97	-27.21 -53.41 -79.61	-26.66 -26.66 -26.66	-2.93 -2.93 -2.93	885.59 0.0 179.03 -1068.19 -527.53 -2830.73
126	7	0.0 -4181.59	1010.32 -605.36	5.26e-03 -2.42e-03	-52.40 0.0	0.0 26.5 53.0	-57.93 -57.93 -57.93	-52.70 -78.90 -105.10	-30.48 -30.48 -30.48	-6.65 -6.65 -6.65	1010.32 0.0 -1743.63 -4181.59 -605.36 -4181.59
126	11	0.0 -7466.80	1758.41 -1019.50	2.47e-03 -5.09e-03	-136.60 0.0	0.0 26.5 53.0	-74.27 -74.27 -74.27	-72.58 -140.88 -209.18	-52.41 -52.41 -52.41	-6.38 -6.38 -6.38	1758.41 0.0 369.46 -2828.43 -1019.50 -7466.80
126	18	0.0 -6019.22	1667.22 -990.80	2.47e-03 5.16e-03	-104.80 0.0	0.0 26.5 53.0	-91.46 -91.46 -91.46	-61.17 -113.57 -165.97	-50.15 -50.15 -50.15	-6.86 -6.86 -6.86	1667.22 0.0 338.21 -2315.31 -990.80 -6019.22
126	28	0.0 -1.026e+04	588.37 -547.11	0.03 -0.04	-54.52 0.0	0.0 26.5 53.0	-112.46 -112.46 -112.46	-166.33 -193.59 -220.86	-21.19 -21.19 -21.19	65.28 65.28 65.28	588.37 0.0 20.63 -4769.01 -547.11 -1.026e+04
126	29	3186.97 0.0	702.50 -178.35	-0.02 0.02	-54.52 0.0	0.0 26.5 53.0	77.61 77.61 77.61	87.39 60.13 32.87	-16.85 -16.85 -16.85	-71.56 -71.56 -71.56	702.50 0.0 262.08 1954.70 -178.35 3186.97
126	35	0.0 -6097.02	2378.82 -1343.87	0.01 -0.12	-54.52 0.0	0.0 26.5 53.0	-198.42 -198.42 -198.42	-87.78 -115.04 -142.30	-70.10 -70.10 -70.10	62.73 62.73 62.73	2378.82 0.0 517.48 -2687.29 -1343.87 -6097.02
126	38	37.03 -976.47	618.41 -1087.95	-6.50e-03 0.11	-54.52 0.0	0.0 26.5 53.0	163.57 163.57 163.57	8.84 -18.42 -45.69	32.06 32.06 32.06	-69.00 -69.00 -69.00	-1087.95 0.0 -234.77 -127.02 618.41 -976.47
126	51	119.26 -611.72	3104.81 -1633.22	-5.46e-03 -0.12	-54.52 0.0	0.0 26.5 53.0	-178.53 -178.53 -178.53	15.72 -11.54 -38.80	-89.27 -89.27 -89.27	56.10 56.10 56.10	3104.81 0.0 735.79 55.36 -1633.22 -611.72
126	54	0.0 -6461.77	907.76 -1813.94	0.01 0.10	-54.52 0.0	0.0 26.5 53.0	143.68 143.68 143.68	-94.66 -121.92 -149.18	51.23 51.23 51.23	-62.37 -62.37 -62.37	-1813.94 0.0 -453.09 -2869.67 907.76 -6461.77
126	60	0.0 -6782.40	614.86 -450.08	0.01 -0.02	-54.52 0.0	0.0 26.5 53.0	-63.17 -63.17 -63.17	-100.71 -127.97 -155.23	-19.98 -19.98 -19.98	29.94 29.94 29.94	614.86 0.0 82.39 -3029.98 -450.08 -6782.40
126	61	229.48 -291.09	676.01 -275.38	-8.79e-03 8.30e-03	-54.52 0.0	0.0 26.5 53.0	28.32 28.32 28.32	21.77 -5.49 -32.75	-18.07 -18.07 -18.07	-36.22 -36.22 -36.22	676.01 0.0 200.31 215.67 -275.38 -291.09
126	67	0.0 -4758.12	1479.90 -836.32	7.19e-03 -0.06	-54.52 0.0	0.0 26.5 53.0	-104.42 -104.42 -104.42	-62.51 -89.78 -117.04	-43.64 -43.64 -43.64	28.54 28.54 28.54	1479.90 0.0 321.79 -2017.85 -836.32 -4758.12
126	70	0.0 -2315.37	110.86 -189.03	-1.71e-03 0.04	-54.52 0.0	0.0 26.5	69.57 69.57	-16.42 -43.69	5.60 5.60	-34.81 -34.81	-189.03 0.0 -39.08 -796.47

126	83	0.0	1839.98	-1.22e-03	-54.52	53.0	69.57	-70.95	5.60	-34.81	110.86	-2315.37
		-2115.93	-979.84	-0.06	0.0	0.0	-95.30	-12.66	-53.14	25.27	1839.98	0.0
						26.5	-95.30	-39.92	-53.14	25.27	430.07	-696.75
126	87	0.0	809.93	1.14e-03	-54.52	53.0	-95.30	-67.18	-53.14	25.27	-979.84	-2115.93
		-3055.30	-474.50	2.35e-03	0.0	0.0	-39.61	-30.39	-24.23	-2.82	809.93	0.0
						26.5	-39.61	-57.65	-24.23	-2.82	167.71	-1166.43
126	89	0.0	893.08	4.16e-03	-54.52	53.0	-39.61	-84.91	-24.23	-2.82	-474.50	-3055.30
		-3955.88	-526.38	-2.90e-03	0.0	0.0	-44.24	-47.38	-26.78	-5.31	893.08	0.0
						26.5	-44.24	-74.64	-26.78	-5.31	183.35	-1616.72
126	93	0.0	1242.31	1.87e-03	-96.92	53.0	-44.24	-101.90	-26.78	-5.31	-526.38	-3955.88
		-5334.12	-718.86	-3.81e-03	0.0	0.0	-51.37	-52.18	-37.00	-4.50	1242.31	0.0
						26.5	-51.37	-100.64	-37.00	-4.50	261.72	-2024.94
126	97	0.0	1181.51	1.88e-03	-75.72	53.0	-51.37	-149.11	-37.00	-4.50	-718.86	-5334.12
		-4369.07	-699.73	2.78e-03	0.0	0.0	-62.83	-44.57	-35.50	-4.81	1181.51	0.0
						26.5	-62.83	-82.44	-35.50	-4.81	240.89	-1682.87
126	98	0.0	620.49	2.01e-03	-54.52	53.0	-62.83	-120.30	-35.50	-4.81	-699.73	-4369.07
		-3266.57	-347.16	-5.56e-03	0.0	0.0	-16.04	-34.37	-18.26	-2.39	620.49	0.0
						26.5	-16.04	-61.63	-18.26	-2.39	136.66	-1272.07
126	99	0.0	662.07	3.57e-03	-54.52	53.0	-16.04	-88.90	-18.26	-2.39	-347.16	-3266.57
		-3716.86	-373.11	-8.19e-03	0.0	0.0	-18.35	-42.87	-19.53	-3.63	662.07	0.0
						26.5	-18.35	-70.13	-19.53	-3.63	144.48	-1497.21
126	102	0.0	720.27	2.63e-03	-63.00	53.0	-18.35	-97.39	-19.53	-3.63	-373.11	-3716.86
		-3866.43	-404.34	-7.60e-03	0.0	0.0	-19.13	-41.45	-21.22	-3.12	720.27	0.0
						26.5	-19.13	-72.95	-21.22	-3.12	157.97	-1515.82
126	104	0.0	708.58	2.60e-03	-54.52	53.0	-19.13	-104.45	-21.22	-3.12	-404.34	-3866.43
		-3466.32	-405.17	-4.50e-03	0.0	0.0	-25.28	-38.14	-21.01	-3.28	708.58	0.0
						26.5	-25.28	-65.40	-21.01	-3.28	151.70	-1371.94
126	105	0.0	620.49	2.01e-03	-54.52	53.0	-25.28	-92.66	-21.01	-3.28	-405.17	-3466.32
		-3266.57	-347.16	-5.56e-03	0.0	0.0	-16.04	-34.37	-18.26	-2.39	620.49	0.0
						26.5	-16.04	-61.63	-18.26	-2.39	136.66	-1272.07
126	106	0.0	645.44	2.93e-03	-54.52	53.0	-16.04	-88.90	-18.26	-2.39	-347.16	-3266.57
		-3536.74	-362.73	-7.14e-03	0.0	0.0	-17.43	-39.47	-19.02	-3.14	645.44	0.0
						26.5	-17.43	-66.73	-19.02	-3.14	141.35	-1407.16
127	5	3571.82	806.81	-0.03	-168.09	53.0	-17.43	-93.99	-19.02	-3.14	-362.73	-3536.74
		0.0	-832.08	0.06	0.0	0.0	-97.59	84.04	-9.64	1.49	806.81	0.0
						85.0	-97.59	0.0	-9.64	1.49	-12.63	3571.82
127	9	9310.72	1311.99	-0.08	-438.15	170.0	-97.59	-84.04	-9.64	1.49	-832.08	0.0
		0.0	-1341.29	0.06	0.0	0.0	-133.65	219.08	-15.61	4.00	1311.99	0.0
						85.0	-133.65	0.0	-15.61	4.00	-14.65	9310.72
127	18	7143.22	1474.53	-0.06	-336.15	170.0	-133.65	-219.08	-15.61	4.00	-1341.29	0.0
		0.0	-1520.20	0.09	0.0	0.0	-176.64	168.08	-17.62	3.03	1474.53	0.0
						85.0	-176.64	0.0	-17.62	3.03	-22.83	7143.22
127	23	3716.32	2368.09	-0.05	-174.89	170.0	-176.64	-168.08	-17.62	3.03	-1520.20	0.0
		0.0	-2435.18	-0.46	0.0	0.0	-266.56	87.44	-28.25	-2.65	2368.09	0.0
						85.0	-266.57	0.0	-28.25	-2.65	-33.54	3716.32
127	35	3716.32	2849.17	-0.04	-174.89	170.0	-266.57	-87.44	-28.25	-2.65	-2435.18	0.0
		0.0	-2947.47	-0.44	0.0	0.0	-359.53	87.44	-34.10	-0.94	2849.17	0.0
						85.0	-359.53	0.0	-34.10	-0.94	-49.15	3716.32
127	38	3716.32	2096.20	-0.02	-174.89	170.0	-359.53	-87.44	-34.10	-0.94	-2947.47	0.0
		0.0	-2008.41	0.41	0.0	0.0	293.04	87.44	24.14	4.69	-2008.41	0.0
						85.0	293.04	0.0	24.14	4.69	43.89	3716.32
127	45	3716.32	1670.75	-0.04	-174.89	170.0	293.04	-87.44	24.14	4.69	2096.20	0.0
		0.0	-1682.80	-1.37	0.0	0.0	-159.50	87.44	-19.72	5.35	1670.75	0.0
						85.0	-159.50	0.0	-19.72	5.35	-6.02	3716.32
127	55	3716.32	1360.24	-0.04	-174.89	170.0	-159.50	-87.44	-19.72	5.35	-1682.80	0.0
		0.0	-1395.00	-0.23	0.0	0.0	-145.77	87.44	-16.21	-0.31	1360.24	0.0
						85.0	-145.77	0.0	-16.21	-0.31	-17.38	3716.32
127	67	3716.32	1593.65	-0.04	-174.89	170.0	-145.77	-87.44	-16.21	-0.31	-1395.00	0.0
		0.0	-1643.50	-0.23	0.0	0.0	-189.71	87.44	-19.04	0.53	1593.65	0.0
						85.0	-189.71	0.0	-19.04	0.53	-24.93	3716.32
127	70	3716.32	792.23	-0.03	-174.89	170.0	-189.71	-87.44	-19.04	0.53	-1643.50	0.0
		0.0	-752.90	0.20	0.0	0.0	123.21	87.44	9.09	3.22	-752.90	0.0
						85.0	123.21	0.0	9.09	3.22	19.67	3716.32
127	77	3716.32	1026.78	-0.03	-174.89	170.0	-359.53	-87.44	-34.10	-0.94	-2947.47	0.0
		0.0	-1034.49	-0.65	0.0	0.0	-94.69	87.44	-12.12	3.54	1026.78	0.0
						85.0	-94.69	0.0	-12.12	3.54	-3.85	3716.32
127	87	3716.32	679.55	-0.03	-174.89	170.0	-94.69	-87.44	-12.12	3.54	-1034.49	0.0
		0.0	-697.88	0.04	0.0	0.0	-75.76	87.44	-8.10	1.65	679.55	0.0
						85.0	-75.76	0.0	-8.10	1.65	-9.16	3716.32
127	91	6606.32	920.45	-0.06	-310.89	170.0	-75.76	-87.44	-8.10	1.65	-697.88	0.0
		0.0	-940.47	0.04	0.0	0.0	-92.56	155.44	-10.95	2.87	920.45	0.0
						85.0	-92.56	0.0	-10.95	2.87	-10.01	6606.32
127	97	5161.32	1028.80	-0.05	-242.89	170.0	-92.56	-155.44	-10.95	2.87	-940.47	0.0
		0.0	-1059.75	0.06	0.0	0.0	-121.22	121.44	-12.29	2.22	1028.80	0.0
						85.0	-121.22	0.0	-12.29	2.22	-15.47	5161.32
127	98	3716.32	401.70	-0.03	-174.89	170.0	-121.22	-121.44	-12.29	2.22	-1059.75	0.0
						0.0	-30.34	87.44	-4.75	1.84	401.70	0.0

		0.0	-405.94	-7.64e-03	0.0	85.0	-30.34	0.0	-4.75	1.84	-2.12	3716.32
						170.0	-30.34	-87.44	-4.75	1.84	-405.94	0.0
127	100	4294.32	449.88	-0.04	-202.09	0.0	-33.70	101.04	-5.32	2.08	449.88	0.0
		0.0	-454.46	-7.93e-03	0.0	85.0	-33.70	0.0	-5.32	2.08	-2.29	4294.32
						170.0	-33.70	-101.04	-5.32	2.08	-454.46	0.0
127	104	3716.32	512.99	-0.03	-174.89	0.0	-48.39	87.44	-6.09	1.81	512.99	0.0
		0.0	-522.95	7.23e-03	0.0	85.0	-48.39	0.0	-6.09	1.81	-4.98	3716.32
						170.0	-48.39	-87.44	-6.09	1.81	-522.95	0.0
127	105	3716.32	401.70	-0.03	-174.89	0.0	-30.34	87.44	-4.75	1.84	401.70	0.0
		0.0	-405.94	-7.64e-03	0.0	85.0	-30.34	0.0	-4.75	1.84	-2.12	3716.32
						170.0	-30.34	-87.44	-4.75	1.84	-405.94	0.0
127	106	3716.32	420.38	-0.03	-174.89	0.0	-33.25	87.44	-4.98	1.87	420.38	0.0
		0.0	-425.64	-0.01	0.0	85.0	-33.25	0.0	-4.98	1.87	-2.63	3716.32
						170.0	-33.25	-87.44	-4.98	1.87	-425.64	0.0
128	7	2.078e+04	1093.01	-0.64	-405.38	0.0	-33.38	202.69	-5.34	0.06	1093.01	0.0
		0.0	-1096.98	0.50	0.0	205.0	-33.38	0.0	-5.34	0.06	-1.98	2.078e+04
						410.0	-33.38	-202.69	-5.34	0.06	-1096.98	0.0
128	9	5.416e+04	1230.65	-1.67	-1056.72	0.0	-71.96	528.36	-6.02	0.39	1230.65	0.0
		0.0	-1238.46	0.52	0.0	205.0	-71.96	0.0	-6.02	0.39	-3.90	5.416e+04
						410.0	-71.96	-528.36	-6.02	0.39	-1238.46	0.0
128	15	2.894e+04	1469.01	-0.90	-564.72	0.0	-50.84	282.36	-7.18	0.09	1469.01	0.0
		0.0	-1474.25	0.78	0.0	205.0	-50.84	0.0	-7.18	0.09	-2.62	2.894e+04
						410.0	-50.84	-282.36	-7.18	0.09	-1474.25	0.0
128	18	4.155e+04	1688.87	-1.29	-810.72	0.0	-62.67	405.36	-8.26	0.18	1688.87	0.0
		0.0	-1695.74	0.81	0.0	205.0	-62.67	0.0	-8.26	0.18	-3.43	4.155e+04
						410.0	-62.67	-405.36	-8.26	0.18	-1695.74	0.0
128	23	2.162e+04	2270.33	-0.67	-421.78	0.0	-23.27	210.89	-11.07	-0.02	2270.33	0.0
		0.0	-2268.00	0.16	0.0	205.0	-23.27	0.0	-11.07	-0.02	1.16	2.162e+04
						410.0	-23.27	-210.89	-11.07	-0.02	-2268.00	0.0
128	35	2.162e+04	3489.40	-0.67	-421.78	0.0	-82.81	210.89	-17.02	-0.80	3489.40	0.0
		0.0	-3489.38	0.73	0.0	205.0	-82.81	0.0	-17.02	-0.80	0.01	2.162e+04
						410.0	-82.81	-210.89	-17.02	-0.80	-3489.38	0.0
128	44	2.162e+04	858.66	-0.70	-421.78	0.0	-181.36	210.89	4.20	-1.78	-864.58	0.0
		0.0	-864.58	1.12	0.0	205.0	-181.36	0.0	4.20	-1.78	-2.96	2.162e+04
						410.0	-181.36	-210.89	4.20	-1.78	858.66	0.0
128	45	2.162e+04	1464.11	-0.63	-421.78	0.0	125.70	210.89	-7.14	2.19	1464.11	0.0
		0.0	-1464.87	-1.04	0.0	205.0	125.70	0.0	-7.14	2.19	-0.38	2.162e+04
						410.0	125.70	-210.89	-7.14	2.19	-1464.87	0.0
128	47	2.162e+04	2868.65	-0.64	-421.78	0.0	73.70	210.89	-13.99	1.39	2868.65	0.0
		0.0	-2868.53	-0.53	0.0	205.0	73.70	0.0	-13.99	1.39	0.06	2.162e+04
						410.0	73.70	-210.89	-13.99	1.39	-2868.53	0.0
128	55	2.162e+04	1246.10	-0.67	-421.78	0.0	-25.00	210.89	-6.08	0.09	1246.10	0.0
		0.0	-1246.82	0.11	0.0	205.0	-25.00	0.0	-6.08	0.09	-0.36	2.162e+04
						410.0	-25.00	-210.89	-6.08	0.09	-1246.82	0.0
128	67	2.162e+04	1835.46	-0.67	-421.78	0.0	-50.97	210.89	-8.96	-0.24	1835.46	0.0
		0.0	-1837.14	0.35	0.0	205.0	-50.97	0.0	-8.96	-0.24	-0.84	2.162e+04
						410.0	-50.97	-210.89	-8.96	-0.24	-1837.14	0.0
128	76	2.162e+04	250.27	-0.68	-421.78	0.0	-99.77	210.89	1.23	-0.67	-254.57	0.0
		0.0	-254.57	0.50	0.0	205.0	-99.77	0.0	1.23	-0.67	-2.15	2.162e+04
						410.0	-99.77	-210.89	1.23	-0.67	250.27	0.0
128	77	2.162e+04	854.10	-0.65	-421.78	0.0	44.10	210.89	-4.17	1.08	854.10	0.0
		0.0	-856.48	-0.42	0.0	205.0	44.10	0.0	-4.17	1.08	-1.19	2.162e+04
						410.0	44.10	-210.89	-4.17	1.08	-856.48	0.0
128	79	2.162e+04	1537.25	-0.66	-421.78	0.0	20.57	210.89	-7.50	0.74	1537.25	0.0
		0.0	-1538.94	-0.19	0.0	205.0	20.57	0.0	-7.50	0.74	-0.85	2.162e+04
						410.0	20.57	-210.89	-7.50	0.74	-1538.94	0.0
128	89	2.162e+04	822.95	-0.67	-421.78	0.0	-32.23	210.89	-4.02	0.11	822.95	0.0
		0.0	-826.75	0.35	0.0	205.0	-32.23	0.0	-4.02	0.11	-1.90	2.162e+04
						410.0	-32.23	-210.89	-4.02	0.11	-826.75	0.0
128	91	3.843e+04	850.56	-1.19	-749.78	0.0	-51.18	374.89	-4.16	0.28	850.56	0.0
		0.0	-856.14	0.35	0.0	205.0	-51.18	0.0	-4.16	0.28	-2.79	3.843e+04
						410.0	-51.18	-374.89	-4.16	0.28	-856.14	0.0
128	94	2.162e+04	1009.47	-0.67	-421.78	0.0	-37.09	210.89	-4.93	0.08	1009.47	0.0
		0.0	-1013.34	0.53	0.0	205.0	-37.09	0.0	-4.93	0.08	-1.93	2.162e+04
						410.0	-37.09	-210.89	-4.93	0.08	-1013.34	0.0
128	97	3.002e+04	1156.04	-0.93	-585.78	0.0	-44.98	292.89	-5.65	0.14	1156.04	0.0
		0.0	-1161.00	0.55	0.0	205.0	-44.98	0.0	-5.65	0.14	-2.48	3.002e+04
						410.0	-44.98	-292.89	-5.65	0.14	-1161.00	0.0
128	99	2.162e+04	321.89	-0.67	-421.78	0.0	-27.57	210.89	-1.58	0.20	321.89	0.0
		0.0	-325.27	0.05	0.0	205.0	-27.57	0.0	-1.58	0.20	-1.69	2.162e+04
						410.0	-27.57	-210.89	-1.58	0.20	-325.27	0.0
128	100	2.498e+04	294.22	-0.77	-487.38	0.0	-31.76	243.69	-1.44	0.24	294.22	0.0
		0.0	-297.90	0.05	0.0	205.0	-31.76	0.0	-1.44	0.24	-1.84	2.498e+04
						410.0	-31.76	-243.69	-1.44	0.24	-297.90	0.0
128	103	2.162e+04	415.15	-0.67	-421.78	0.0	-30.00	210.89	-2.03	0.18	415.15	0.0
		0.0	-418.56	0.14	0.0	205.0	-30.00	0.0	-2.03	0.18	-1.70	2.162e+04
						410.0	-30.00	-210.89	-2.03	0.18	-418.56	0.0

128	104	2.162e+04	448.34	-0.67	-421.78	0.0	-29.61	210.89	-2.20	0.18	448.34	0.0
		0.0	-451.80	0.14	0.0	205.0	-29.61	0.0	-2.20	0.18	-1.73	2.162e+04
						410.0	-29.61	-210.89	-2.20	0.18	-451.80	0.0
128	105	2.162e+04	266.57	-0.67	-421.78	0.0	-28.23	210.89	-1.31	0.21	266.57	0.0
		0.0	-269.86	0.05	0.0	205.0	-28.23	0.0	-1.31	0.21	-1.65	2.162e+04
						410.0	-28.23	-210.89	-1.31	0.21	-269.86	0.0
128	106	2.162e+04	299.76	-0.67	-421.78	0.0	-27.83	210.89	-1.47	0.21	299.76	0.0
		0.0	-303.11	0.05	0.0	205.0	-27.83	0.0	-1.47	0.21	-1.67	2.162e+04
						410.0	-27.83	-210.89	-1.47	0.21	-303.11	0.0
129	9	2.563e+04	1825.36	-0.29	-732.23	0.0	24.80	366.12	-12.88	17.89	1825.36	0.0
		0.0	-1781.38	0.19	0.0	140.0	24.80	-1.22e-06	-12.88	17.89	21.99	2.563e+04
						280.0	24.80	-366.12	-12.88	17.89	-1781.38	0.0
129	11	2.563e+04	1838.79	-0.29	-732.23	0.0	34.52	366.12	-12.96	17.35	1838.79	0.0
		0.0	-1790.49	0.16	0.0	140.0	34.52	-1.22e-06	-12.96	17.35	24.15	2.563e+04
						280.0	34.52	-366.12	-12.96	17.35	-1790.49	0.0
129	18	1.975e+04	1853.55	-0.24	-564.23	0.0	75.59	282.12	-13.01	15.10	1853.55	0.0
		0.0	-1789.77	0.22	0.0	140.0	75.59	-1.22e-06	-13.01	15.10	31.89	1.975e+04
						280.0	75.59	-282.12	-13.01	15.10	-1789.77	0.0
129	21	9974.29	1349.39	-0.13	-284.98	0.0	85.87	142.49	-9.43	9.20	1349.39	0.0
		0.0	-1291.40	0.19	0.0	140.0	85.87	0.0	-9.43	9.20	28.99	9974.29
						280.0	85.87	-142.49	-9.43	9.20	-1291.40	0.0
129	33	1.037e+04	526.79	0.12	-296.18	0.0	-131.77	148.09	3.94	-2.57	-576.12	0.0
		0.0	-576.12	-0.74	0.0	140.0	-131.77	0.0	3.94	-2.57	-24.66	1.037e+04
						280.0	-131.77	-148.09	3.94	-2.57	526.79	0.0
129	35	1.037e+04	2604.58	-0.24	-296.18	0.0	207.54	148.09	-18.28	22.58	2604.58	0.0
		0.0	-2515.29	0.35	0.0	140.0	207.54	0.0	-18.28	22.58	44.65	1.037e+04
						280.0	207.54	-148.09	-18.28	22.58	-2515.29	0.0
129	36	1.037e+04	1787.78	-0.16	-296.18	0.0	114.47	148.09	-12.54	16.95	1787.78	0.0
		0.0	-1724.75	0.71	0.0	140.0	114.47	0.0	-12.54	16.95	31.52	1.037e+04
						280.0	114.47	-148.09	-12.54	16.95	-1724.75	0.0
129	38	1.037e+04	1304.88	0.14	-296.18	0.0	-223.04	148.09	9.57	-8.20	-1375.69	0.0
		0.0	-1375.69	-0.32	0.0	140.0	-223.04	0.0	9.57	-8.20	-35.41	1.037e+04
						280.0	-223.04	-148.09	9.57	-8.20	1304.88	0.0
129	57	1.037e+04	260.31	-0.08	-296.18	0.0	52.66	148.09	-1.87	2.70	260.31	0.0
		0.0	-264.67	-0.09	0.0	140.0	52.66	0.0	-1.87	2.70	-2.18	1.037e+04
						280.0	52.66	-148.09	-1.87	2.70	-264.67	0.0
129	67	1.037e+04	1540.70	-0.16	-296.18	0.0	95.53	148.09	-10.83	14.38	1540.70	0.0
		0.0	-1491.41	0.15	0.0	140.0	95.53	0.0	-10.83	14.38	24.64	1.037e+04
						280.0	95.53	-148.09	-10.83	14.38	-1491.41	0.0
129	68	1.037e+04	1153.44	-0.13	-296.18	0.0	50.74	148.09	-8.11	11.74	1153.44	0.0
		0.0	-1117.10	0.28	0.0	140.0	50.74	0.0	-8.11	11.74	18.17	1.037e+04
						280.0	50.74	-148.09	-8.11	11.74	-1117.10	0.0
129	70	1.037e+04	281.01	-0.07	-296.18	0.0	-111.03	148.09	2.12	9.27e-03	-311.82	0.0
		0.0	-311.82	-0.11	0.0	140.0	-111.03	0.0	2.12	9.27e-03	-15.40	1.037e+04
						280.0	-111.03	-148.09	2.12	9.27e-03	281.01	0.0
129	91	1.821e+04	1285.65	-0.21	-520.18	0.0	15.33	260.09	-9.08	12.77	1285.65	0.0
		0.0	-1255.44	0.13	0.0	140.0	15.33	0.0	-9.08	12.77	15.11	1.821e+04
						280.0	15.33	-260.09	-9.08	12.77	-1255.44	0.0
129	93	1.821e+04	1294.60	-0.20	-520.18	0.0	21.81	260.09	-9.13	12.41	1294.60	0.0
		0.0	-1261.51	0.11	0.0	140.0	21.81	0.0	-9.13	12.41	16.55	1.821e+04
						280.0	21.81	-260.09	-9.13	12.41	-1261.51	0.0
129	96	1.037e+04	1115.80	-0.13	-296.18	0.0	53.54	148.09	-7.82	8.72	1115.80	0.0
		0.0	-1074.30	0.14	0.0	140.0	53.54	0.0	-7.82	8.72	20.75	1.037e+04
						280.0	53.54	-148.09	-7.82	8.72	-1074.30	0.0
129	97	1.429e+04	1304.45	-0.17	-408.18	0.0	49.19	204.09	-9.16	10.91	1304.45	0.0
		0.0	-1261.03	0.15	0.0	140.0	49.19	0.0	-9.16	10.91	21.71	1.429e+04
						280.0	49.19	-204.09	-9.16	10.91	-1261.03	0.0
129	100	1.193e+04	686.06	-0.13	-340.98	0.0	-12.26	170.49	-4.87	8.22	686.06	0.0
		0.0	-677.29	0.04	0.0	140.0	-12.26	0.0	-4.87	8.22	4.39	1.193e+04
						280.0	-12.26	-170.49	-4.87	8.22	-677.29	0.0
129	104	1.037e+04	713.69	-0.12	-296.18	0.0	3.77	148.09	-5.04	7.54	713.69	0.0
		0.0	-698.33	0.05	0.0	140.0	3.77	0.0	-5.04	7.54	7.68	1.037e+04
						280.0	3.77	-148.09	-5.04	7.54	-698.33	0.0
129	105	1.037e+04	610.60	-0.11	-296.18	0.0	-10.53	148.09	-4.33	7.35	610.60	0.0
		0.0	-602.60	0.03	0.0	140.0	-10.53	0.0	-4.33	7.35	4.00	1.037e+04
						280.0	-10.53	-148.09	-4.33	7.35	-602.60	0.0
129	106	1.037e+04	614.44	-0.11	-296.18	0.0	-7.75	148.09	-4.36	7.19	614.44	0.0
		0.0	-605.20	0.02	0.0	140.0	-7.75	0.0	-4.36	7.19	4.62	1.037e+04
						280.0	-7.75	-148.09	-4.36	7.19	-605.20	0.0
131	1	3.462e+04	1.363e+04	-0.63	-2098.20	0.0	0.0	1049.10	412.96	0.0	-2.725e+04	-6.924e+04
		-6.924e+04	-2.725e+04	-0.25	-825.91	198.0	0.0	-3.79e-05	-6.35e-06	0.0	1.363e+04	3.462e+04
						396.0	0.0	-1049.10	-412.96	0.0	-2.725e+04	-6.924e+04
131	15	3.462e+04	2.271e+04	-0.63	-2098.20	0.0	0.0	1049.10	688.26	0.0	-4.542e+04	-6.924e+04
		-6.924e+04	-4.542e+04	-0.41	-1376.52	198.0	0.0	-3.79e-05	-1.06e-05	0.0	2.271e+04	3.462e+04
						396.0	0.0	-1049.10	-688.26	0.0	-4.542e+04	-6.924e+04
131	23	2.308e+04	0.0	-0.42	-1398.80	0.0	0.0	699.40	0.0	0.0	0.0	-4.616e+04
		-4.616e+04	0.0	0.0	0.0	198.0	0.0	-2.53e-05	0.0	0.0	0.0	2.308e+04

[illegible]

		-6977.22	-118.93	-4.14e-03	0.0	90.0	-6.06	-9.98	-1.26	0.26	-5.37	4727.10
						180.0	-6.06	-250.12	-1.26	0.26	-118.93	-6977.22
132	106	6580.60	113.96	-3.20e-03	-663.87	0.0	-18.67	322.14	-1.49	0.30	113.96	-7474.50
		-9238.54	-155.02	-8.42e-03	0.0	90.0	-18.67	-9.80	-1.49	0.30	-20.53	6580.60
						180.0	-18.67	-341.74	-1.49	0.30	-155.02	-9238.54
134	1	557.96	17.71	4.26e-03	-24.80	0.0	-13.60	12.40	0.34	-1.94	-42.75	0.0
		0.0	-42.75	9.39e-03	0.0	90.0	-13.60	0.0	0.34	-1.94	-12.52	557.96
						180.0	-13.60	-12.40	0.34	-1.94	17.71	0.0
134	3	557.96	7.03	7.75e-03	-24.80	0.0	-69.68	12.40	0.14	-1.98	-18.89	0.0
		0.0	-18.89	-0.01	0.0	90.0	-69.68	0.0	0.14	-1.98	-5.93	557.96
						180.0	-69.68	-12.40	0.14	-1.98	7.03	0.0
134	4	557.96	17.84	8.28e-03	-24.80	0.0	-73.20	12.40	0.34	-2.84	-43.18	0.0
		0.0	-43.18	-0.02	0.0	90.0	-73.20	0.0	0.34	-2.84	-12.67	557.96
						180.0	-73.20	-12.40	0.34	-2.84	17.84	0.0
134	9	557.96	39.34	5.33e-03	-24.80	0.0	-20.64	12.40	0.73	-3.66	-91.32	0.0
		0.0	-91.32	-2.31e-03	0.0	90.0	-20.64	0.0	0.73	-3.66	-25.99	557.96
						180.0	-20.64	-12.40	0.73	-3.66	39.34	0.0
134	19	429.20	14.35	3.71e-03	-19.08	0.0	19.78	9.54	0.26	-1.18	-33.25	0.0
		0.0	-33.25	0.03	0.0	90.0	19.78	0.0	0.26	-1.18	-9.45	429.20
						180.0	19.78	-9.54	0.26	-1.18	14.35	0.0
134	23	429.20	414.01	0.01	-19.08	0.0	840.41	9.54	-3.18	0.05	414.01	0.0
		0.0	-159.23	0.05	0.0	90.0	840.41	0.0	-3.18	0.05	127.39	429.20
						180.0	840.41	-9.54	-3.18	0.05	-159.23	0.0
134	26	429.20	178.60	-7.07e-03	-19.08	0.0	-928.36	9.54	3.56	-3.36	-464.51	0.0
		0.0	-464.51	-0.09	0.0	90.0	-928.36	0.0	3.56	-3.36	-142.96	429.20
						180.0	-928.36	-9.54	3.56	-3.36	178.60	0.0
134	27	429.20	409.41	0.01	-19.08	0.0	851.30	9.54	-3.13	0.36	409.41	0.0
		0.0	-155.30	0.08	0.0	90.0	851.30	0.0	-3.13	0.36	127.06	429.20
						180.0	851.30	-9.54	-3.13	0.36	-155.30	0.0
134	30	429.20	174.68	-7.23e-03	-19.08	0.0	-939.26	9.54	3.51	-3.67	-459.92	0.0
		0.0	-459.92	-0.12	0.0	90.0	-939.26	0.0	3.51	-3.67	-142.62	429.20
						180.0	-939.26	-9.54	3.51	-3.67	174.68	0.0
134	55	429.20	183.29	7.97e-03	-19.08	0.0	381.92	9.54	-1.40	-0.83	183.29	0.0
		0.0	-69.60	0.02	0.0	90.0	381.92	0.0	-1.40	-0.83	56.85	429.20
						180.0	381.92	-9.54	-1.40	-0.83	-69.60	0.0
134	58	429.20	88.97	-3.99e-03	-19.08	0.0	-469.88	9.54	1.79	-2.48	-233.80	0.0
		0.0	-233.80	-0.05	0.0	90.0	-469.88	0.0	1.79	-2.48	-72.41	429.20
						180.0	-469.88	-9.54	1.79	-2.48	88.97	0.0
134	59	429.20	182.46	8.08e-03	-19.08	0.0	387.17	9.54	-1.39	-0.73	182.46	0.0
		0.0	-68.40	0.03	0.0	90.0	387.17	0.0	-1.39	-0.73	57.03	429.20
						180.0	387.17	-9.54	-1.39	-0.73	-68.40	0.0
134	62	429.20	87.77	-4.05e-03	-19.08	0.0	-475.13	9.54	1.78	-2.57	-232.97	0.0
		0.0	-232.97	-0.06	0.0	90.0	-475.13	0.0	1.78	-2.57	-72.60	429.20
						180.0	-475.13	-9.54	1.78	-2.57	87.77	0.0
134	87	429.20	13.04	3.12e-03	-19.08	0.0	-12.38	9.54	0.25	-1.48	-31.76	0.0
		0.0	-31.76	4.62e-03	0.0	90.0	-12.38	0.0	0.25	-1.48	-9.36	429.20
						180.0	-12.38	-9.54	0.25	-1.48	13.04	0.0
134	89	429.20	5.92	5.45e-03	-19.08	0.0	-49.76	9.54	0.12	-1.51	-15.85	0.0
		0.0	-15.85	-9.58e-03	0.0	90.0	-49.76	0.0	0.12	-1.51	-4.97	429.20
						180.0	-49.76	-9.54	0.12	-1.51	5.92	0.0
134	90	429.20	13.13	5.80e-03	-19.08	0.0	-52.11	9.54	0.25	-2.08	-32.04	0.0
		0.0	-32.04	-0.01	0.0	90.0	-52.11	0.0	0.25	-2.08	-9.46	429.20
						180.0	-52.11	-9.54	0.25	-2.08	13.13	0.0
134	91	429.20	27.46	3.83e-03	-19.08	0.0	-17.07	9.54	0.51	-2.63	-64.14	0.0
		0.0	-64.14	-3.17e-03	0.0	90.0	-17.07	0.0	0.51	-2.63	-18.34	429.20
						180.0	-17.07	-9.54	0.51	-2.63	27.46	0.0
134	94	429.20	13.85	3.43e-03	-19.08	0.0	1.21	9.54	0.26	-1.37	-32.91	0.0
		0.0	-32.91	0.02	0.0	90.0	1.21	0.0	0.26	-1.37	-9.53	429.20
						180.0	1.21	-9.54	0.26	-1.37	13.85	0.0
134	98	429.20	11.82	2.66e-03	-19.08	0.0	-32.76	9.54	0.23	-1.65	-30.02	0.0
		0.0	-30.02	-0.01	0.0	90.0	-32.76	0.0	0.23	-1.65	-9.10	429.20
						180.0	-32.76	-9.54	0.23	-1.65	11.82	0.0
134	99	429.20	8.26	3.82e-03	-19.08	0.0	-51.45	9.54	0.17	-1.66	-22.07	0.0
		0.0	-22.07	-0.02	0.0	90.0	-51.45	0.0	0.17	-1.66	-6.90	429.20
						180.0	-51.45	-9.54	0.17	-1.66	8.26	0.0
134	100	429.20	14.71	2.80e-03	-19.08	0.0	-33.70	9.54	0.28	-1.87	-36.50	0.0
		0.0	-36.50	-0.02	0.0	90.0	-33.70	0.0	0.28	-1.87	-10.90	429.20
						180.0	-33.70	-9.54	0.28	-1.87	14.71	0.0
134	103	429.20	12.23	2.82e-03	-19.08	0.0	-25.97	9.54	0.24	-1.59	-30.60	0.0
		0.0	-30.60	-7.96e-03	0.0	90.0	-25.97	0.0	0.24	-1.59	-9.19	429.20
						180.0	-25.97	-9.54	0.24	-1.59	12.23	0.0
134	105	429.20	11.82	2.66e-03	-19.08	0.0	-32.76	9.54	0.23	-1.65	-30.02	0.0
		0.0	-30.02	-0.01	0.0	90.0	-32.76	0.0	0.23	-1.65	-9.10	429.20
						180.0	-32.76	-9.54	0.23	-1.65	11.82	0.0
134	106	429.20	9.69	3.36e-03	-19.08	0.0	-43.98	9.54	0.19	-1.65	-25.25	0.0
		0.0	-25.25	-0.02	0.0	90.0	-43.98	0.0	0.19	-1.65	-7.78	429.20
						180.0	-43.98	-9.54	0.19	-1.65	9.69	0.0

140	3	-1058.11 -1.401e+04	-47.00 -217.31	6.64e-03 -3.82e-03	-251.46 0.0	0.0 86.0	0.10 0.10	56.76 -68.97	-0.99 -0.99	-4.32 -4.32	-47.00 -132.16	-2147.26 -2672.11
						172.0	0.10	-194.69	-0.99	-4.32	-217.31	-1.401e+04
140	7	-1203.59 -1.147e+04	-27.29 -215.80	5.64e-03 -2.44e-03	-193.43 0.0	0.0 86.0	1.52 1.52	41.39 -55.33	-1.10 -1.10	-3.63 -3.63	-27.29 -121.55	-1953.48 -2552.96
						172.0	1.52	-152.04	-1.10	-3.63	-215.80	-1.147e+04
140	9	2182.34 -1.410e+04	43.65 -107.49	5.53e-03 0.02	-251.46 0.0	0.0 86.0	-11.69 -11.69	33.28 -92.45	0.88 0.88	-0.52 -0.52	-107.49 -31.92	1804.80 -739.77
						172.0	-11.69	-218.18	0.88	-0.52	43.65	-1.410e+04
140	11	1046.51 -1.702e+04	-92.33 -116.48	7.54e-03 2.69e-03	-251.46 0.0	0.0 86.0	-7.53 -7.53	21.52 -104.21	-0.14 -0.14	-3.39 -3.39	-92.33 -104.40	899.66 -2656.09
						172.0	-7.53	-229.94	-0.14	-3.39	-116.48	-1.702e+04
140	12	2126.04 -1.156e+04	45.17 -87.79	4.47e-03 0.02	-193.43 0.0	0.0 86.0	-10.26 -10.26	17.90 -78.81	0.77 0.77	0.17 0.17	-87.79 -21.31	1998.58 -620.63
						172.0	-10.26	-175.53	0.77	0.17	45.17	-1.156e+04
140	43	1.521e+04 -3.415e+04	2263.28 -2469.53	0.01 -0.22	-193.43 0.0	0.0 86.0	-56.23 -56.23	-190.22 -286.94	-25.69 -25.69	-68.95 -68.95	2263.28 -103.13	1.521e+04 -5311.47
						172.0	-56.23	-383.65	-25.69	-68.95	-2469.53	-3.415e+04
140	44	3.703e+04 -2.912e+04	1325.45 -1273.68	-0.02 0.12	-193.43 0.0	0.0 86.0	29.14 29.14	481.27 384.56	13.66 13.66	32.59 32.59	-1273.68 25.89	-2.912e+04 8114.68
						172.0	29.14	287.84	13.66	32.59	1325.45	3.703e+04
140	45	2.713e+04 -5.337e+04	1185.48 -1429.33	0.02 -0.14	-193.43 0.0	0.0 86.0	-35.03 -35.03	-371.28 -468.00	-13.75 -13.75	-37.92 -37.92	1185.48 -121.93	2.713e+04 -8961.45
						172.0	-35.03	-564.71	-13.75	-37.92	-1429.33	-5.337e+04
140	46	1.781e+04 -1.720e+04	2365.65 -2351.48	-7.83e-03 0.20	-193.43 0.0	0.0 86.0	50.34 50.34	300.21 203.50	25.60 25.60	63.62 63.62	-2351.48 7.09	-1.720e+04 4464.70
						172.0	50.34	106.79	25.60	63.62	2365.65	1.781e+04
140	51	1.179e+04 -2.841e+04	1848.56 -2287.87	0.01 -0.16	-193.43 0.0	0.0 86.0	-59.51 -59.51	-136.94 -233.66	-20.35 -20.35	-61.82 -61.82	1848.56 -219.65	1.179e+04 -4150.07
						172.0	-59.51	-330.37	-20.35	-61.82	-2287.87	-2.841e+04
140	54	1.207e+04 -1.378e+04	2183.99 -1936.76	-5.66e-03 0.15	-193.43 0.0	0.0 86.0	53.62 53.62	246.93 150.22	20.26 20.26	56.49 56.49	-1936.76 123.61	-1.378e+04 3303.30
						172.0	53.62	53.51	20.26	56.49	2183.99	1.207e+04
140	75	5952.81 -1.931e+04	1019.04 -1181.89	8.17e-03 -0.10	-193.43 0.0	0.0 86.0	-28.38 -28.38	-50.13 -146.84	-11.80 -11.80	-32.47 -32.47	1019.04 -81.42	5952.81 -2517.49
						172.0	-28.38	-243.56	-11.80	-32.47	-1181.89	-1.931e+04
140	76	1.170e+04 -1.335e+04	583.05 -595.89	-5.62e-03 0.04	-193.43 0.0	0.0 86.0	12.38 12.38	242.31 145.59	6.05 6.05	12.63 12.63	-595.89 -6.42	-1.335e+04 3334.85
						172.0	12.38	48.88	6.05	12.63	583.05	1.170e+04
140	77	1.136e+04 -2.804e+04	507.69 -686.93	0.01 -0.06	-193.43 0.0	0.0 86.0	-18.27 -18.27	-132.32 -229.03	-6.14 -6.14	-17.96 -17.96	507.69 -89.62	1.136e+04 -4181.62
						172.0	-18.27	-325.74	-6.14	-17.96	-686.93	-2.804e+04
140	78	3454.57 -7941.31	1078.01 -1107.24	-1.52e-03 0.08	-193.43 0.0	0.0 86.0	22.49 22.49	160.12 63.40	11.71 11.71	27.14 27.14	-1107.24 -14.62	-7941.31 1670.72
						172.0	22.49	-33.31	11.71	27.14	1078.01	2965.36
140	83	4715.89 -1.720e+04	851.11 -1138.43	7.40e-03 -0.08	-193.43 0.0	0.0 86.0	-30.41 -30.41	-30.71 -127.43	-9.64 -9.64	-29.94 -29.94	851.11 -143.66	4715.89 -2085.81
						172.0	-30.41	-224.14	-9.64	-29.94	-1138.43	-1.720e+04
140	86	2091.74 -6704.40	1034.55 -939.31	-7.48e-04 0.06	-193.43 0.0	0.0 86.0	24.52 24.52	140.70 43.99	9.54 9.54	24.61 24.61	-939.31 47.62	-6704.40 1239.40
						172.0	24.52	-52.72	9.54	24.61	1034.55	865.08
140	89	-585.97 -1.020e+04	-36.07 -145.81	4.72e-03 -3.08e-03	-193.43 0.0	0.0 86.0	-0.42 -0.42	46.33 -50.38	-0.64 -0.64	-3.08 -3.08	-36.07 -90.94	-1538.56 -1712.73
						172.0	-0.42	-147.10	-0.64	-3.08	-145.81	-1.020e+04
140	91	1500.60 -1.026e+04	28.16 -76.39	4.00e-03 0.01	-193.43 0.0	0.0 86.0	-8.28 -8.28	30.68 -66.04	0.61 0.61	-0.54 -0.54	-76.39 -24.11	1096.14 -424.50
						172.0	-8.28	-162.75	0.61	-0.54	28.16	-1.026e+04
140	93	723.78 -1.221e+04	-66.29 -78.59	5.32e-03 1.26e-03	-193.43 0.0	0.0 86.0	-5.51 -5.51	22.84 -73.88	-0.07 -0.07	-2.46 -2.46	-66.29 -72.44	492.72 -1702.05
						172.0	-5.51	-170.59	-0.07	-2.46	-78.59	-1.221e+04
140	99	62.15 -8727.53	-41.21 -82.44	3.74e-03 -0.01	-193.43 0.0	0.0 86.0	-2.16 -2.16	52.76 -43.96	-0.24 -0.24	-3.21 -3.21	-41.21 -61.83	-1166.66 -788.40
						172.0	-2.16	-140.67	-0.24	-3.21	-82.44	-8727.53
140	100	857.50 -7902.75	-1.89 -53.61	3.09e-03 -4.18e-03	-193.43 0.0	0.0 86.0	-4.91 -4.91	52.98 -43.73	0.30 0.30	-1.88 -1.88	-53.61 -27.75	-381.11 16.77
						172.0	-4.91	-140.44	0.30	-1.88	-1.89	-7902.75
140	102	454.44 -8739.18	-47.65 -49.28	3.61e-03 -8.21e-03	-193.43 0.0	0.0 86.0	-3.73 -3.73	49.62 -47.09	9.49e-03 9.49e-03	-2.70 -2.70	-49.28 -48.46	-639.72 -530.75
						172.0	-3.73	-143.80	9.49e-03	-2.70	-47.65	-8739.18
140	105	776.41 -7333.48	-6.19 -48.43	2.85e-03 -4.24e-03	-193.43 0.0	0.0 86.0	-4.13 -4.13	58.35 -38.36	0.25 0.25	-1.84 -1.84	-48.43 -27.31	-735.64 124.14
						172.0	-4.13	-135.07	0.25	-1.84	-6.19	-7333.48
140	106	337.23 -8169.91	-44.10 -51.94	3.38e-03 -8.27e-03	-193.43 0.0	0.0 86.0	-2.95 -2.95	54.99 -41.72	-0.05 -0.05	-2.66 -2.66	-44.10 -48.02	-994.25 -423.38
						172.0	-2.95	-138.43	-0.05	-2.66	-51.94	-8169.91
141	5	2272.27 -3081.53	289.70 -410.15	-0.01 0.03	-170.06 0.0	0.0 86.0	-70.09 -70.09	102.95 17.92	-4.07 -4.07	0.46 0.46	289.70 -60.23	-3081.53 2115.60

						172.0	-70.09	-67.12	-4.07	0.46	-410.15	0.0
141	9	6099.86	556.37	-0.03	-443.31	0.0	-108.35	265.61	-7.84	1.20	556.37	-7561.42
		-7561.42	-792.06	0.04	0.0	86.0	-108.35	43.96	-7.84	1.20	-117.84	5750.37
						172.0	-108.35	-177.69	-7.84	1.20	-792.06	0.0
141	11	5882.77	581.13	-0.03	-443.31	0.0	-112.79	268.98	-8.19	1.39	581.13	-8140.32
		-8140.32	-827.72	0.02	0.0	86.0	-112.79	47.33	-8.19	1.39	-123.29	5460.92
						172.0	-112.79	-174.33	-8.19	1.39	-827.72	0.0
141	18	4445.74	542.69	-0.02	-340.11	0.0	-127.08	207.41	-7.63	1.06	542.69	-6425.40
		-6425.40	-769.87	0.04	0.0	86.0	-127.08	37.36	-7.63	1.06	-113.59	4099.58
						172.0	-127.08	-132.70	-7.63	1.06	-769.87	0.0
141	28	1161.09	439.27	-0.01	-176.94	0.0	-118.24	127.82	4.91	-15.27	-408.48	-6768.50
		-6768.50	-408.48	-0.16	0.0	86.0	-118.24	39.35	4.91	-15.27	15.40	420.03
						172.0	-118.24	-49.12	4.91	-15.27	439.27	0.0
141	29	3654.16	843.34	-0.02	-176.94	0.0	58.84	90.22	-11.05	16.60	843.34	-300.25
		-300.25	-1061.15	0.14	0.0	86.0	58.84	1.75	-11.05	16.60	-108.90	3654.16
						172.0	58.84	-86.73	-11.05	16.60	-1061.15	0.0
141	35	1760.23	-14.21	-0.02	-176.94	0.0	-243.94	116.55	0.15	-14.30	-40.44	-4829.03
		-4829.03	-40.44	-0.29	0.0	86.0	-243.94	28.08	0.15	-14.30	-27.33	1389.77
						172.0	-243.94	-60.40	0.15	-14.30	-14.21	0.0
141	38	2764.96	475.31	-9.69e-03	-176.94	0.0	184.54	101.49	-6.29	15.63	475.31	-2239.72
		-2239.72	-607.66	0.27	0.0	86.0	184.54	13.02	-6.29	15.63	-66.18	2684.42
						172.0	184.54	-75.45	-6.29	15.63	-607.66	0.0
141	45	2980.72	1303.73	-0.02	-176.94	0.0	-102.49	98.63	-17.71	-5.08	1303.73	-1746.56
		-1746.56	-1746.68	-0.23	0.0	86.0	-102.49	10.15	-17.71	-5.08	-221.48	2931.00
						172.0	-102.49	-78.32	-17.71	-5.08	-1746.68	0.0
141	60	1676.72	54.89	-0.01	-176.94	0.0	-72.37	118.10	0.82	-7.04	-87.69	-5096.27
		-5096.27	-87.69	-0.09	0.0	86.0	-72.37	29.63	0.82	-7.04	-16.40	1256.15
						172.0	-72.37	-58.84	0.82	-7.04	54.89	0.0
141	61	2881.88	522.56	-0.01	-176.94	0.0	12.98	99.94	-6.96	8.37	522.56	-1972.48
		-1972.48	-676.76	0.06	0.0	86.0	12.98	11.47	-6.96	8.37	-77.10	2818.04
						172.0	12.98	-77.00	-6.96	8.37	-676.76	0.0
141	67	2007.20	94.55	-0.01	-176.94	0.0	-132.68	112.65	-1.55	-6.54	94.55	-4158.16
		-4158.16	-170.83	-0.15	0.0	86.0	-132.68	24.18	-1.55	-6.54	-38.14	1725.20
						172.0	-132.68	-64.30	-1.55	-6.54	-170.83	0.0
141	70	2475.04	340.31	-0.01	-176.94	0.0	73.28	105.39	-4.60	7.87	340.31	-2910.59
		-2910.59	-451.04	0.12	0.0	86.0	73.28	16.92	-4.60	7.87	-55.36	2348.98
						172.0	73.28	-71.55	-4.60	7.87	-451.04	0.0
141	77	2576.36	748.81	-0.01	-176.94	0.0	-64.83	104.00	-10.23	-2.03	748.81	-2670.82
		-2670.82	-1012.24	-0.10	0.0	86.0	-64.83	15.53	-10.23	-2.03	-131.71	2468.87
						172.0	-64.83	-72.94	-10.23	-2.03	-1012.24	0.0
141	87	2343.31	267.43	-0.01	-176.94	0.0	-56.76	107.44	-3.76	0.53	267.43	-3261.87
		-3261.87	-379.71	0.02	0.0	86.0	-56.76	18.96	-3.76	0.53	-56.14	2173.35
						172.0	-56.76	-69.51	-3.76	0.53	-379.71	0.0
141	91	4312.91	394.78	-0.02	-314.54	0.0	-75.47	188.70	-5.56	0.86	394.78	-5405.62
		-5405.62	-562.12	0.02	0.0	86.0	-75.47	31.43	-5.56	0.86	-83.67	4059.87
						172.0	-75.47	-125.84	-5.56	0.86	-562.12	0.0
141	93	4168.18	411.29	-0.02	-314.54	0.0	-78.43	190.94	-5.80	0.99	411.29	-5791.55
		-5791.55	-585.89	0.01	0.0	86.0	-78.43	33.67	-5.80	0.99	-87.30	3866.91
						172.0	-78.43	-123.60	-5.80	0.99	-585.89	0.0
141	97	3210.16	385.66	-0.02	-245.74	0.0	-87.96	149.90	-5.42	0.77	385.66	-4648.27
		-4648.27	-547.32	0.03	0.0	86.0	-87.96	27.02	-5.42	0.77	-80.83	2959.34
						172.0	-87.96	-95.85	-5.42	0.77	-547.32	0.0
141	98	2303.15	210.36	-0.01	-176.94	0.0	-28.43	108.06	-2.97	0.61	210.36	-3368.98
		-3368.98	-300.75	-7.91e-03	0.0	86.0	-28.43	19.59	-2.97	0.61	-45.19	2119.79
						172.0	-28.43	-68.88	-2.97	0.61	-300.75	0.0
141	100	2697.07	235.83	-0.01	-204.46	0.0	-32.17	124.31	-3.33	0.68	235.83	-3797.73
		-3797.73	-337.23	-8.18e-03	0.0	86.0	-32.17	22.08	-3.33	0.68	-50.70	2497.10
						172.0	-32.17	-80.15	-3.33	0.68	-337.23	0.0
141	102	2635.04	242.90	-0.01	-204.46	0.0	-33.44	125.27	-3.43	0.73	242.90	-3963.13
		-3963.13	-347.42	-0.01	0.0	86.0	-33.44	23.04	-3.43	0.73	-52.26	2414.40
						172.0	-33.44	-79.19	-3.43	0.73	-347.42	0.0
141	104	2254.51	236.46	-0.01	-176.94	0.0	-39.14	108.81	-3.34	0.64	236.46	-3498.67
		-3498.67	-337.26	-3.72e-03	0.0	86.0	-39.14	20.34	-3.34	0.64	-50.40	2054.94
						172.0	-39.14	-68.13	-3.34	0.64	-337.26	0.0
141	105	2303.15	210.36	-0.01	-176.94	0.0	-28.43	108.06	-2.97	0.61	210.36	-3368.98
		-3368.98	-300.75	-7.91e-03	0.0	86.0	-28.43	19.59	-2.97	0.61	-45.19	2119.79
						172.0	-28.43	-68.88	-2.97	0.61	-300.75	0.0
141	106	2241.12	217.43	-0.01	-176.94	0.0	-29.70	109.02	-3.07	0.66	217.43	-3534.38
		-3534.38	-310.94	-0.01	0.0	86.0	-29.70	20.55	-3.07	0.66	-46.75	2037.09
						172.0	-29.70	-67.92	-3.07	0.66	-310.94	0.0
150	1	557.96	4.47	-3.64e-03	-24.80	0.0	54.77	12.40	0.02	0.37	0.49	0.0
		0.0	0.49	3.19e-03	0.0	90.0	54.77	0.0	0.02	0.37	2.48	557.96
						180.0	54.77	-12.40	0.02	0.37	4.47	0.0
150	4	557.96	3.52	3.87e-03	-24.80	0.0	45.25	12.40	-0.04	-0.51	3.52	0.0
		0.0	-3.53	1.00e-04	0.0	90.0	45.25	0.0	-0.04	-0.51	-5.36e-03	557.96
						180.0	45.25	-12.40	-0.04	-0.51	-3.53	0.0
150	7	429.20	2.52	3.39e-03	-19.08	0.0	42.15	9.54	-0.03	-0.49	2.52	0.0

			0.0	-2.84	2.64e-05	0.0	90.0	42.15	0.0	-0.03	-0.49	-0.16	429.20
							180.0	42.15	-9.54	-0.03	-0.49	-2.84	0.0
150	8	429.20	3.83	3.50e-03	-19.08	0.0	45.20	9.54	-0.04	-0.44	3.83	0.0	
		0.0	-3.27	3.33e-04	0.0	90.0	45.20	0.0	-0.04	-0.44	0.28	429.20	
						180.0	45.20	-9.54	-0.04	-0.44	-3.27	0.0	
150	16	557.96	7.66	-3.54e-03	-24.80	0.0	93.43	12.40	0.03	0.85	3.07	0.0	
		0.0	3.07	6.41e-03	0.0	90.0	93.43	0.0	0.03	0.85	5.37	557.96	
						180.0	93.43	-12.40	0.03	0.85	7.66	0.0	
150	19	429.20	8.35	-2.77e-03	-19.08	0.0	90.33	9.54	0.03	0.87	2.07	0.0	
		0.0	2.07	6.32e-03	0.0	90.0	90.33	0.0	0.03	0.87	5.21	429.20	
						180.0	90.33	-9.54	0.03	0.87	8.35	0.0	
150	27	429.20	100.85	2.46e-03	-19.08	0.0	1688.76	9.54	-0.65	2.87	100.85	0.0	
		0.0	-12.11	0.03	0.0	90.0	1688.76	0.0	-0.65	2.87	44.37	429.20	
						180.0	1688.76	-9.54	-0.65	2.87	-12.11	0.0	
150	30	429.20	7.63	-3.15e-03	-19.08	0.0	-1691.48	9.54	0.63	-3.68	-102.37	0.0	
		0.0	-102.37	-0.03	0.0	90.0	-1691.48	0.0	0.63	-3.68	-47.37	429.20	
						180.0	-1691.48	-9.54	0.63	-3.68	7.63	0.0	
150	36	429.20	45.12	-2.68e-03	-19.08	0.0	788.39	9.54	-0.12	13.54	45.12	0.0	
		0.0	30.87	0.09	0.0	90.0	788.39	0.0	-0.12	13.54	37.99	429.20	
						180.0	788.39	-9.54	-0.12	13.54	30.87	0.0	
150	43	429.20	219.98	2.94e-03	-19.08	0.0	917.88	9.54	-1.52	-9.90	219.98	0.0	
		0.0	-71.69	-0.06	0.0	90.0	917.88	0.0	-1.52	-9.90	74.14	429.20	
						180.0	917.88	-9.54	-1.52	-9.90	-71.69	0.0	
150	46	429.20	67.21	-3.39e-03	-19.08	0.0	-920.60	9.54	1.51	9.09	-221.50	0.0	
		0.0	-221.50	0.05	0.0	90.0	-920.60	0.0	1.51	9.09	-77.14	429.20	
						180.0	-920.60	-9.54	1.51	9.09	67.21	0.0	
150	53	429.20	137.18	2.85e-03	-19.08	0.0	390.02	9.54	-1.09	-13.78	137.18	0.0	
		0.0	-72.37	-0.08	0.0	90.0	390.02	0.0	-1.09	-13.78	32.41	429.20	
						180.0	390.02	-9.54	-1.09	-13.78	-72.37	0.0	
150	55	429.20	50.25	-2.45e-03	-19.08	0.0	802.63	9.54	-0.34	0.80	50.25	0.0	
		0.0	-8.69	9.10e-03	0.0	90.0	802.63	0.0	-0.34	0.80	20.78	429.20	
						180.0	802.63	-9.54	-0.34	0.80	-8.69	0.0	
150	59	429.20	46.89	-2.44e-03	-19.08	0.0	812.74	9.54	-0.32	1.11	46.89	0.0	
		0.0	-7.60	0.01	0.0	90.0	812.74	0.0	-0.32	1.11	19.64	429.20	
						180.0	812.74	-9.54	-0.32	1.11	-7.60	0.0	
150	62	429.20	3.13	-2.88e-03	-19.08	0.0	-815.47	9.54	0.30	-1.92	-48.41	0.0	
		0.0	-48.41	-0.01	0.0	90.0	-815.47	0.0	0.30	-1.92	-22.64	429.20	
						180.0	-815.47	-9.54	0.30	-1.92	3.13	0.0	
150	75	429.20	105.21	-2.34e-03	-19.08	0.0	441.06	9.54	-0.76	-4.47	105.21	0.0	
		0.0	-37.83	-0.02	0.0	90.0	441.06	0.0	-0.76	-4.47	33.69	429.20	
						180.0	441.06	-9.54	-0.76	-4.47	-37.83	0.0	
150	78	429.20	33.36	-3.00e-03	-19.08	0.0	-443.79	9.54	0.74	3.66	-106.73	0.0	
		0.0	-106.73	0.02	0.0	90.0	-443.79	0.0	0.74	3.66	-36.69	429.20	
						180.0	-443.79	-9.54	0.74	3.66	33.36	0.0	
150	85	429.20	68.54	-2.36e-03	-19.08	0.0	187.21	9.54	-0.56	-6.39	68.54	0.0	
		0.0	-37.81	-0.04	0.0	90.0	187.21	0.0	-0.56	-6.39	15.37	429.20	
						180.0	187.21	-9.54	-0.56	-6.39	-37.81	0.0	
150	87	429.20	2.90	-2.82e-03	-19.08	0.0	36.76	9.54	0.02	0.22	0.17	0.0	
		0.0	0.17	2.00e-03	0.0	90.0	36.76	0.0	0.02	0.22	1.53	429.20	
						180.0	36.76	-9.54	0.02	0.22	2.90	0.0	
150	89	429.20	1.32	2.60e-03	-19.08	0.0	28.38	9.54	-0.02	-0.40	1.32	0.0	
		0.0	-2.15	-2.92e-04	0.0	90.0	28.38	0.0	-0.02	-0.40	-0.42	429.20	
						180.0	28.38	-9.54	-0.02	-0.40	-2.15	0.0	
150	90	429.20	2.19	2.68e-03	-19.08	0.0	30.42	9.54	-0.03	-0.37	2.19	0.0	
		0.0	-2.43	-6.61e-05	0.0	90.0	30.42	0.0	-0.03	-0.37	-0.12	429.20	
						180.0	30.42	-9.54	-0.03	-0.37	-2.43	0.0	
150	94	429.20	5.31	-2.79e-03	-19.08	0.0	60.51	9.54	0.02	0.51	1.02	0.0	
		0.0	1.02	3.93e-03	0.0	90.0	60.51	0.0	0.02	0.51	3.16	429.20	
						180.0	60.51	-9.54	0.02	0.51	5.31	0.0	
150	95	429.20	5.03	-2.76e-03	-19.08	0.0	62.54	9.54	0.02	0.54	1.89	0.0	
		0.0	1.89	4.15e-03	0.0	90.0	62.54	0.0	0.02	0.54	3.46	429.20	
						180.0	62.54	-9.54	0.02	0.54	5.03	0.0	
150	98	429.20	-0.72	-2.86e-03	-19.08	0.0	1.15	9.54	2.12e-03	-0.22	-1.10	0.0	
		0.0	-1.10	-8.81e-04	0.0	90.0	1.15	0.0	2.12e-03	-0.22	-0.91	429.20	
						180.0	1.15	-9.54	2.12e-03	-0.22	-0.72	0.0	
150	99	429.20	-0.53	-2.52e-03	-19.08	0.0	-3.04	9.54	-0.02	-0.53	-0.53	0.0	
		0.0	-3.25	-2.03e-03	0.0	90.0	-3.04	0.0	-0.02	-0.53	-1.89	429.20	
						180.0	-3.04	-9.54	-0.02	-0.53	-3.25	0.0	
150	103	429.20	0.48	-2.85e-03	-19.08	0.0	13.02	9.54	6.46e-03	-0.07	-0.68	0.0	
		0.0	-0.68	8.10e-05	0.0	90.0	13.02	0.0	6.46e-03	-0.07	-0.10	429.20	
						180.0	13.02	-9.54	6.46e-03	-0.07	0.48	0.0	
150	105	429.20	-0.72	-2.86e-03	-19.08	0.0	1.15	9.54	2.12e-03	-0.22	-1.10	0.0	
		0.0	-1.10	-8.81e-04	0.0	90.0	1.15	0.0	2.12e-03	-0.22	-0.91	429.20	
						180.0	1.15	-9.54	2.12e-03	-0.22	-0.72	0.0	
150	106	429.20	-0.76	-2.66e-03	-19.08	0.0	-1.36	9.54	-8.21e-03	-0.41	-0.76	0.0	
		0.0	-2.24	-1.57e-03	0.0	90.0	-1.36	0.0	-8.21e-03	-0.41	-1.50	429.20	
						180.0	-1.36	-9.54	-8.21e-03	-0.41	-2.24	0.0	

151	1	557.96 0.0	4.72 0.49	-4.87e-03 4.20e-03	-24.80 0.0	0.0 90.0 180.0	0.08 0.08 0.08	12.40 0.0 -12.40	-0.02 -0.02 -0.02	0.51 0.51 0.51	4.72 2.61 0.49	0.0 557.96 0.0
151	4	557.96 0.0	14.23 -3.77	-5.30e-03 2.88e-03	-24.80 0.0	0.0 90.0 180.0	0.18 0.18 0.18	12.40 0.0 -12.40	-0.10 -0.10 -0.10	-0.03 -0.03 -0.03	14.23 5.23 -3.77	0.0 557.96 0.0
151	5	429.20 0.0	3.97 0.85	-3.73e-03 4.13e-03	-19.08 0.0	0.0 90.0 180.0	0.06 0.06 0.06	9.54 0.0 -9.54	-0.02 -0.02 -0.02	0.54 0.54 0.54	3.97 2.41 0.85	0.0 429.20 0.0
151	26	429.20 0.0	0.78 -3.22	-2.88e-03 -0.02	-19.08 0.0	0.0 90.0 180.0	1.03 1.03 1.03	9.54 0.0 -9.54	0.48 0.48 0.48	-2.62 -2.62 -2.62	-3.22 -1.22 0.78	0.0 429.20 0.0
151	31	429.20 0.0	43.20 -0.88	-2.95e-03 0.05	-19.08 0.0	0.0 90.0 180.0	-1.25 -1.25 -1.25	9.54 0.0 -9.54	-0.70 -0.70 -0.70	6.68 6.68 6.68	43.20 21.16 -0.88	0.0 429.20 0.0
151	43	429.20 0.0	-21.54 -113.06	-4.63e-03 -0.05	-19.08 0.0	0.0 90.0 180.0	-1.42 -1.42 -1.42	9.54 0.0 -9.54	-0.99 -0.99 -0.99	-9.69 -9.69 -9.69	-113.06 -67.30 -21.54	0.0 429.20 0.0
151	44	429.20 0.0	168.50 22.63	-2.41e-03 0.10	-19.08 0.0	0.0 90.0 180.0	0.97 0.97 0.97	9.54 0.0 -9.54	0.68 0.68 0.68	15.65 15.65 15.65	168.50 95.57 22.63	0.0 429.20 0.0
151	45	429.20 0.0	-26.00 -162.53	-5.47e-03 -0.10	-19.08 0.0	0.0 90.0 180.0	-0.85 -0.85 -0.85	9.54 0.0 -9.54	-0.74 -0.74 -0.74	-16.12 -16.12 -16.12	-162.53 -94.26 -26.00	0.0 429.20 0.0
151	46	429.20 0.0	119.03 18.18	-3.06e-03 0.05	-19.08 0.0	0.0 90.0 180.0	1.54 1.54 1.54	9.54 0.0 -9.54	0.94 0.94 0.94	9.22 9.22 9.22	119.03 68.60 18.18	0.0 429.20 0.0
151	55	429.20 0.0	4.80 -3.10	-4.26e-03 9.66e-03	-19.08 0.0	0.0 90.0 180.0	-0.39 -0.39 -0.39	9.54 0.0 -9.54	-0.26 -0.26 -0.26	0.92 0.92 0.92	4.80 0.85 -3.10	0.0 429.20 0.0
151	63	429.20 0.0	19.25 -1.69	-3.40e-03 0.02	-19.08 0.0	0.0 90.0 180.0	-0.53 -0.53 -0.53	9.54 0.0 -9.54	-0.33 -0.33 -0.33	2.93 2.93 2.93	19.25 8.78 -1.69	0.0 429.20 0.0
151	75	429.20 0.0	-11.74 -52.98	-4.14e-03 -0.02	-19.08 0.0	0.0 90.0 180.0	-0.61 -0.61 -0.61	9.54 0.0 -9.54	-0.49 -0.49 -0.49	-4.31 -4.31 -4.31	-52.98 -32.36 -11.74	0.0 429.20 0.0
151	76	429.20 0.0	80.75 10.35	-3.16e-03 0.04	-19.08 0.0	0.0 90.0 180.0	0.47 0.47 0.47	9.54 0.0 -9.54	0.32 0.32 0.32	6.73 6.73 6.73	80.75 45.55 10.35	0.0 429.20 0.0
151	77	429.20 0.0	-13.72 -74.78	-4.51e-03 -0.04	-19.08 0.0	0.0 90.0 180.0	-0.35 -0.35 -0.35	9.54 0.0 -9.54	-0.38 -0.38 -0.38	-7.20 -7.20 -7.20	-74.78 -44.25 -13.72	0.0 429.20 0.0
151	78	429.20 0.0	58.96 8.37	-3.49e-03 0.02	-19.08 0.0	0.0 90.0 180.0	0.73 0.73 0.73	9.54 0.0 -9.54	0.44 0.44 0.44	3.84 3.84 3.84	58.96 33.66 8.37	0.0 429.20 0.0
151	87	429.20 0.0	3.24 0.24	-3.73e-03 2.74e-03	-19.08 0.0	0.0 90.0 180.0	0.06 0.06 0.06	9.54 0.0 -9.54	-0.02 -0.02 -0.02	0.32 0.32 0.32	3.24 1.74 0.24	0.0 429.20 0.0
151	90	429.20 0.0	9.58 -2.60	-4.02e-03 1.86e-03	-19.08 0.0	0.0 90.0 180.0	0.12 0.12 0.12	9.54 0.0 -9.54	-0.07 -0.07 -0.07	-0.04 -0.04 -0.04	9.58 3.49 -2.60	0.0 429.20 0.0
151	98	429.20 0.0	1.47 -0.90	-3.73e-03 -1.49e-04	-19.08 0.0	0.0 90.0 180.0	0.04 0.04 0.04	9.54 0.0 -9.54	-0.01 -0.01 -0.01	-0.11 -0.11 -0.11	1.47 0.29 -0.90	0.0 429.20 0.0
151	99	429.20 0.0	3.99 -2.21	-3.85e-03 -7.80e-04	-19.08 0.0	0.0 90.0 180.0	0.07 0.07 0.07	9.54 0.0 -9.54	-0.03 -0.03 -0.03	-0.32 -0.32 -0.32	3.99 0.89 -2.21	0.0 429.20 0.0
151	105	429.20 0.0	1.47 -0.90	-3.73e-03 -1.49e-04	-19.08 0.0	0.0 90.0 180.0	0.04 0.04 0.04	9.54 0.0 -9.54	-0.01 -0.01 -0.01	-0.11 -0.11 -0.11	1.47 0.29 -0.90	0.0 429.20 0.0
151	106	429.20 0.0	2.99 -1.68	-3.80e-03 -5.28e-04	-19.08 0.0	0.0 90.0 180.0	0.06 0.06 0.06	9.54 0.0 -9.54	-0.03 -0.03 -0.03	-0.23 -0.23 -0.23	2.99 0.65 -1.68	0.0 429.20 0.0
152	1	509.46 0.0	3.93 -6.34	-4.38e-03 2.47e-03	-23.70 0.0	0.0 86.0 172.0	2.09 2.09 2.09	11.85 0.0 -11.85	0.06 0.06 0.06	0.87 0.87 0.87	-6.34 -1.20 3.93	0.0 509.46 0.0
152	4	509.46 0.0	8.95 -12.59	-6.02e-03 -6.43e-04	-23.70 0.0	0.0 86.0 172.0	8.86 8.86 8.86	11.85 0.0 -11.85	0.13 0.13 0.13	0.69 0.69 0.69	-12.59 -1.82 8.95	0.0 509.46 0.0
152	8	391.90 0.0	9.02 -12.14	-5.02e-03 -5.28e-04	-18.23 0.0	0.0 86.0 172.0	8.29 8.29 8.29	9.11 0.0 -9.11	0.12 0.12 0.12	0.67 0.67 0.67	-12.14 -1.56 9.02	0.0 391.90 0.0
152	18	509.46 0.0	10.92 -14.88	-5.59e-03 2.34e-03	-23.70 0.0	0.0 86.0 172.0	6.82 6.82 6.82	11.85 0.0 -11.85	0.15 0.15 0.15	1.29 1.29 1.29	-14.88 -1.98 10.92	0.0 509.46 0.0
152	19	391.90 0.0	7.03 -9.46	-3.43e-03 4.62e-03	-18.23 0.0	0.0 86.0	1.51 1.51	9.11 0.0	0.10 0.10	1.38 1.38	-9.46 -1.22	0.0 391.90

152	22	391.90	10.99	-4.58e-03	-18.23	172.0	1.51	-9.11	0.10	1.38	7.03	0.0
		0.0	-14.42	2.46e-03	0.0	0.0	6.25	9.11	0.15	1.26	-14.42	0.0
						86.0	6.25	0.0	0.15	1.26	-1.72	391.90
152	23	391.90	16.99	-4.67e-03	-18.23	172.0	6.25	-9.11	0.15	1.26	10.99	0.0
		0.0	-15.14	-0.05	0.0	0.0	14.37	9.11	0.19	2.52	-15.14	0.0
						86.0	14.37	0.0	0.19	2.52	0.92	391.90
152	43	391.90	128.84	-4.13e-03	-18.23	172.0	14.37	-9.11	0.19	2.52	16.99	0.0
		0.0	-121.26	-0.05	0.0	0.0	32.47	9.11	-1.45	-6.41	128.84	0.0
						86.0	32.47	0.0	-1.45	-6.41	3.79	391.90
152	44	391.90	187.69	-3.40e-03	-18.23	172.0	32.47	-9.11	-1.45	-6.41	-121.26	0.0
		0.0	-196.96	0.03	0.0	0.0	-24.29	9.11	2.23	10.74	-196.96	0.0
						86.0	-24.29	0.0	2.23	10.74	-4.64	391.90
152	45	391.90	193.95	-3.76e-03	-18.23	172.0	-24.29	-9.11	2.23	10.74	187.69	0.0
		0.0	-187.29	-0.03	0.0	0.0	30.15	9.11	-2.21	-10.74	193.95	0.0
						86.0	30.15	0.0	-2.21	-10.74	3.33	391.90
152	46	391.90	121.66	-3.05e-03	-18.23	172.0	30.15	-9.11	-2.21	-10.74	-187.29	0.0
		0.0	-131.85	0.05	0.0	0.0	-26.61	9.11	1.47	6.41	-131.85	0.0
						86.0	-26.61	0.0	1.47	6.41	-5.10	391.90
152	55	391.90	7.41	-4.08e-03	-18.23	172.0	-26.61	-9.11	1.47	6.41	121.66	0.0
		0.0	-6.91	-0.02	0.0	0.0	8.68	9.11	0.08	1.22	-6.91	0.0
						86.0	8.68	0.0	0.08	1.22	0.25	391.90
152	75	391.90	59.54	-3.85e-03	-18.23	172.0	8.68	-9.11	0.08	1.22	7.41	0.0
		0.0	-55.58	-0.02	0.0	0.0	17.97	9.11	-0.67	-2.75	59.54	0.0
						86.0	17.97	0.0	-0.67	-2.75	1.98	391.90
152	76	391.90	85.04	-3.49e-03	-18.23	172.0	17.97	-9.11	-0.67	-2.75	-55.58	0.0
		0.0	-91.20	0.01	0.0	0.0	-11.05	9.11	1.02	4.67	-91.20	0.0
						86.0	-11.05	0.0	1.02	4.67	-3.08	391.90
152	77	391.90	88.18	-3.67e-03	-18.23	172.0	-11.05	-9.11	1.02	4.67	85.04	0.0
		0.0	-84.64	-0.01	0.0	0.0	16.91	9.11	-1.00	-4.66	88.18	0.0
						86.0	16.91	0.0	-1.00	-4.66	1.77	391.90
152	78	391.90	55.98	-3.31e-03	-18.23	172.0	16.91	-9.11	-1.00	-4.66	-84.64	0.0
		0.0	-62.55	0.02	0.0	0.0	-12.10	9.11	0.69	2.76	-62.55	0.0
						86.0	-12.10	0.0	0.69	2.76	-3.28	391.90
152	87	391.90	2.53	-3.34e-03	-18.23	172.0	-12.10	-9.11	0.69	2.76	55.98	0.0
		0.0	-4.22	1.58e-03	0.0	0.0	1.57	9.11	0.04	0.58	-4.22	0.0
						86.0	1.57	0.0	0.04	0.58	-0.85	391.90
152	90	391.90	5.87	-4.42e-03	-18.23	172.0	1.57	-9.11	0.04	0.58	2.53	0.0
		0.0	-8.39	-4.98e-04	0.0	0.0	6.08	9.11	0.08	0.46	-8.39	0.0
						86.0	6.08	0.0	0.08	0.46	-1.26	391.90
152	94	391.90	4.54	-3.39e-03	-18.23	172.0	6.08	-9.11	0.08	0.46	5.87	0.0
		0.0	-6.61	2.93e-03	0.0	0.0	1.56	9.11	0.06	0.94	-6.61	0.0
						86.0	1.56	0.0	0.06	0.94	-1.03	391.90
152	97	391.90	7.19	-4.13e-03	-18.23	172.0	1.56	-9.11	0.06	0.94	4.54	0.0
		0.0	-9.92	1.49e-03	0.0	0.0	4.73	9.11	0.10	0.86	-9.92	0.0
						86.0	4.73	0.0	0.10	0.86	-1.37	391.90
152	98	391.90	-0.50	-3.27e-03	-18.23	172.0	4.73	-9.11	0.10	0.86	7.19	0.0
		0.0	-0.65	-4.61e-04	0.0	0.0	1.58	9.11	8.33e-04	0.05	-0.65	0.0
						86.0	1.58	0.0	8.33e-04	0.05	-0.57	391.90
152	99	391.90	0.67	-3.79e-03	-18.23	172.0	1.58	-9.11	8.33e-04	0.05	-0.50	0.0
		0.0	-2.08	-1.52e-03	0.0	0.0	3.83	9.11	0.02	-0.02	-2.08	0.0
						86.0	3.83	0.0	0.02	-0.02	-0.71	391.90
152	103	391.90	0.51	-3.29e-03	-18.23	172.0	3.83	-9.11	0.02	-0.02	0.67	0.0
		0.0	-1.84	2.18e-04	0.0	0.0	1.58	9.11	0.01	0.22	-1.84	0.0
						86.0	1.58	0.0	0.01	0.22	-0.67	391.90
152	104	391.90	1.21	-3.60e-03	-18.23	172.0	1.58	-9.11	0.01	0.22	0.51	0.0
		0.0	-2.70	-4.15e-04	0.0	0.0	2.93	9.11	0.02	0.18	-2.70	0.0
						86.0	2.93	0.0	0.02	0.18	-0.74	391.90
152	105	391.90	-0.50	-3.27e-03	-18.23	172.0	2.93	-9.11	0.02	0.18	1.21	0.0
		0.0	-0.65	-4.61e-04	0.0	0.0	1.58	9.11	8.33e-04	0.05	-0.65	0.0
						86.0	1.58	0.0	8.33e-04	0.05	-0.57	391.90
152	106	391.90	0.20	-3.58e-03	-18.23	172.0	1.58	-9.11	8.33e-04	0.05	-0.50	0.0
		0.0	-1.51	-1.09e-03	0.0	0.0	2.93	9.11	9.92e-03	4.31e-03	-1.51	0.0
						86.0	2.93	0.0	9.92e-03	4.31e-03	-0.65	391.90
153	1	509.46	14.14	-2.68e-03	-23.70	172.0	2.93	-9.11	9.92e-03	4.31e-03	0.20	0.0
		0.0	-14.24	0.01	0.0	0.0	-9.61	11.85	-0.17	0.77	14.14	0.0
						86.0	-9.61	0.0	-0.17	0.77	-0.05	509.46
153	3	509.46	36.44	2.55e-03	-23.70	172.0	-9.61	-11.85	-0.17	0.77	-14.24	0.0
		0.0	-37.25	4.90e-04	0.0	0.0	-24.73	11.85	-0.43	0.02	36.44	0.0
						86.0	-24.73	0.0	-0.43	0.02	-0.40	509.46
153	4	509.46	33.63	2.86e-03	-23.70	172.0	-24.73	-11.85	-0.43	0.02	-37.25	0.0
		0.0	-34.62	7.18e-04	0.0	0.0	-27.02	11.85	-0.40	0.04	33.63	0.0
						86.0	-27.02	0.0	-0.40	0.04	-0.50	509.46
153	5	391.90	10.68	-2.09e-03	-18.23	172.0	-27.02	-11.85	-0.40	0.04	-34.62	0.0
		0.0	-10.61	0.01	0.0	0.0	-6.65	9.11	-0.12	0.80	10.68	0.0
						86.0	-6.65	0.0	-0.12	0.80	0.03	391.90
153	15	509.46	14.36	-2.69e-03	-23.70	172.0	-6.65	-9.11	-0.12	0.80	-10.61	0.0
						0.0	-9.68	11.85	-0.17	1.38	14.36	0.0

		0.0	-14.19	0.02	0.0	86.0	-9.68	0.0	-0.17	1.38	0.08	509.46
						172.0	-9.68	-11.85	-0.17	1.38	-14.19	0.0
153	32	391.90	290.31	-6.63e-03	-18.23	0.0	34.85	9.11	-3.39	12.94	290.31	0.0
		0.0	-293.22	-0.04	0.0	86.0	34.85	0.0	-3.39	12.94	-1.46	391.90
						172.0	34.85	-9.11	-3.39	12.94	-293.22	0.0
153	43	391.90	582.00	5.70e-03	-18.23	0.0	-37.23	9.11	-6.79	-9.03	582.00	0.0
		0.0	-585.71	-0.10	0.0	86.0	-37.23	0.0	-6.79	-9.03	-1.86	391.90
						172.0	-37.23	-9.11	-6.79	-9.03	-585.71	0.0
153	44	391.90	307.72	-6.51e-03	-18.23	0.0	37.42	9.11	3.57	14.30	-306.87	0.0
		0.0	-306.87	0.06	0.0	86.0	37.42	0.0	3.57	14.30	0.43	391.90
						172.0	37.42	-9.11	3.57	14.30	307.72	0.0
153	45	391.90	336.79	9.35e-03	-18.23	0.0	-57.43	9.11	-3.93	-14.85	336.79	0.0
		0.0	-338.65	-0.07	0.0	86.0	-57.43	0.0	-3.93	-14.85	-0.93	391.90
						172.0	-57.43	-9.11	-3.93	-14.85	-338.65	0.0
153	50	391.90	498.94	-4.90e-03	-18.23	0.0	15.58	9.11	5.77	7.30	-493.86	0.0
		0.0	-493.86	0.05	0.0	86.0	15.58	0.0	5.77	7.30	2.54	391.90
						172.0	15.58	-9.11	5.77	7.30	498.94	0.0
153	62	391.90	232.38	-2.36e-03	-18.23	0.0	-14.79	9.11	2.67	-1.19	-227.66	0.0
		0.0	-227.66	0.01	0.0	86.0	-14.79	0.0	2.67	-1.19	2.36	391.90
						172.0	-14.79	-9.11	2.67	-1.19	232.38	0.0
153	64	391.90	144.64	-3.83e-03	-18.23	0.0	10.29	9.11	-1.69	5.54	144.64	0.0
		0.0	-146.45	-0.02	0.0	86.0	10.29	0.0	-1.69	5.54	-0.90	391.90
						172.0	10.29	-9.11	-1.69	5.54	-146.45	0.0
153	71	391.90	271.82	4.28e-03	-18.23	0.0	-23.64	9.11	-3.18	-4.67	271.82	0.0
		0.0	-275.11	-0.04	0.0	86.0	-23.64	0.0	-3.18	-4.67	-1.65	391.90
						172.0	-23.64	-9.11	-3.18	-4.67	-275.11	0.0
153	75	391.90	272.45	3.42e-03	-18.23	0.0	-21.75	9.11	-3.18	-4.01	272.45	0.0
		0.0	-274.83	-0.05	0.0	86.0	-21.75	0.0	-3.18	-4.01	-1.19	391.90
						172.0	-21.75	-9.11	-3.18	-4.01	-274.83	0.0
153	76	391.90	128.97	-3.75e-03	-18.23	0.0	10.97	9.11	1.50	6.05	-128.62	0.0
		0.0	-128.62	0.02	0.0	86.0	10.97	0.0	1.50	6.05	0.18	391.90
						172.0	10.97	-9.11	1.50	6.05	128.97	0.0
153	77	391.90	158.54	5.10e-03	-18.23	0.0	-30.98	9.11	-1.85	-6.60	158.54	0.0
		0.0	-159.90	-0.03	0.0	86.0	-30.98	0.0	-1.85	-6.60	-0.68	391.90
						172.0	-30.98	-9.11	-1.85	-6.60	-159.90	0.0
153	87	391.90	10.72	-2.07e-03	-18.23	0.0	-7.05	9.11	-0.13	0.49	10.72	0.0
		0.0	-10.82	7.28e-03	0.0	86.0	-7.05	0.0	-0.13	0.49	-0.05	391.90
						172.0	-7.05	-9.11	-0.13	0.49	-10.82	0.0
153	89	391.90	25.59	-1.91e-03	-18.23	0.0	-17.13	9.11	-0.30	-1.20e-03	25.59	0.0
		0.0	-26.16	-2.01e-04	0.0	86.0	-17.13	0.0	-0.30	-1.20e-03	-0.28	391.90
						172.0	-17.13	-9.11	-0.30	-1.20e-03	-26.16	0.0
153	90	391.90	23.72	2.09e-03	-18.23	0.0	-18.65	9.11	-0.28	8.95e-03	23.72	0.0
		0.0	-24.41	3.08e-04	0.0	86.0	-18.65	0.0	-0.28	8.95e-03	-0.35	391.90
						172.0	-18.65	-9.11	-0.28	8.95e-03	-24.41	0.0
153	94	391.90	10.87	-2.08e-03	-18.23	0.0	-7.09	9.11	-0.13	0.91	10.87	0.0
		0.0	-10.79	0.01	0.0	86.0	-7.09	0.0	-0.13	0.91	0.04	391.90
						172.0	-7.09	-9.11	-0.13	0.91	-10.79	0.0
153	98	391.90	10.50	-2.06e-03	-18.23	0.0	-6.98	9.11	-0.12	-0.13	10.50	0.0
		0.0	-10.86	-1.60e-03	0.0	86.0	-6.98	0.0	-0.12	-0.13	-0.18	391.90
						172.0	-6.98	-9.11	-0.12	-0.13	-10.86	0.0
153	99	391.90	17.94	-1.98e-03	-18.23	0.0	-12.02	9.11	-0.21	-0.37	17.94	0.0
		0.0	-18.53	-5.27e-03	0.0	86.0	-12.02	0.0	-0.21	-0.37	-0.30	391.90
						172.0	-12.02	-9.11	-0.21	-0.37	-18.53	0.0
153	103	391.90	10.58	-2.06e-03	-18.23	0.0	-7.00	9.11	-0.12	0.08	10.58	0.0
		0.0	-10.85	1.36e-03	0.0	86.0	-7.00	0.0	-0.12	0.08	-0.14	391.90
						172.0	-7.00	-9.11	-0.12	0.08	-10.85	0.0
153	105	391.90	10.50	-2.06e-03	-18.23	0.0	-6.98	9.11	-0.12	-0.13	10.50	0.0
		0.0	-10.86	-1.60e-03	0.0	86.0	-6.98	0.0	-0.12	-0.13	-0.18	391.90
						172.0	-6.98	-9.11	-0.12	-0.13	-10.86	0.0
153	106	391.90	14.96	-2.01e-03	-18.23	0.0	-10.01	9.11	-0.18	-0.27	14.96	0.0
		0.0	-15.46	-3.80e-03	0.0	86.0	-10.01	0.0	-0.18	-0.27	-0.25	391.90
						172.0	-10.01	-9.11	-0.18	-0.27	-15.46	0.0
154	1	557.96	14.59	-5.45e-03	-24.80	0.0	-0.19	12.40	0.16	0.29	-14.43	0.0
		0.0	-14.43	9.29e-03	0.0	90.0	-0.19	0.0	0.16	0.29	0.08	557.96
						180.0	-0.19	-12.40	0.16	0.29	14.59	0.0
154	3	557.96	38.73	-6.28e-03	-24.80	0.0	-0.44	12.40	0.42	-1.22	-37.44	0.0
		0.0	-37.44	-6.30e-03	0.0	90.0	-0.44	0.0	0.42	-1.22	0.65	557.96
						180.0	-0.44	-12.40	0.42	-1.22	38.73	0.0
154	12	429.20	5.30	-4.30e-03	-19.08	0.0	-0.13	9.54	0.06	0.35	-5.13	0.0
		0.0	-5.13	0.01	0.0	90.0	-0.13	0.0	0.06	0.35	0.08	429.20
						180.0	-0.13	-9.54	0.06	0.35	5.30	0.0
154	23	429.20	529.95	-6.59e-03	-19.08	0.0	1.29	9.54	5.95	1.88	-540.65	0.0
		0.0	-540.65	0.04	0.0	90.0	1.29	0.0	5.95	1.88	-5.35	429.20
						180.0	1.29	-9.54	5.95	1.88	529.95	0.0
154	26	429.20	510.78	-2.48e-03	-19.08	0.0	-1.66	9.54	-5.61	-3.35	510.78	0.0
		0.0	-498.59	-0.06	0.0	90.0	-1.66	0.0	-5.61	-3.35	6.10	429.20
						180.0	-1.66	-9.54	-5.61	-3.35	-498.59	0.0

154	33	429.20 0.0	263.40 -256.45	-8.26e-03 -0.29	-19.08 0.0	0.0 90.0 180.0	-1.01 -1.01 -1.01	9.54 0.0 -9.54	-2.89 -2.89 -2.89	-15.91 -15.91 -15.91	263.40 3.47 -256.45	0.0 429.20 0.0
154	43	429.20 0.0	583.35 -589.60	-6.10e-03 -0.18	-19.08 0.0	0.0 90.0 180.0	1.13 1.13 1.13	9.54 0.0 -9.54	6.52 6.52 6.52	-10.52 -10.52 -10.52	-589.60 -3.13 583.35	0.0 429.20 0.0
154	55	429.20 0.0	257.36 -262.08	-5.28e-03 0.02	-19.08 0.0	0.0 90.0 180.0	0.51 0.51 0.51	9.54 0.0 -9.54	2.89 2.89 2.89	0.54 0.54 0.54	-262.08 -2.36 257.36	0.0 429.20 0.0
154	57	429.20 0.0	110.40 -105.41	-4.02e-03 -0.09	-19.08 0.0	0.0 90.0 180.0	-0.62 -0.62 -0.62	9.54 0.0 -9.54	-1.20 -1.20 -1.20	-5.43 -5.43 -5.43	110.40 2.49 -105.41	0.0 429.20 0.0
154	58	429.20 0.0	232.21 -225.99	-3.43e-03 -0.03	-19.08 0.0	0.0 90.0 180.0	-0.89 -0.89 -0.89	9.54 0.0 -9.54	-2.55 -2.55 -2.55	-2.02 -2.02 -2.02	232.21 3.11 -225.99	0.0 429.20 0.0
154	65	429.20 0.0	116.05 -112.25	-5.94e-03 -0.13	-19.08 0.0	0.0 90.0 180.0	-0.59 -0.59 -0.59	9.54 0.0 -9.54	-1.27 -1.27 -1.27	-7.49 -7.49 -7.49	116.05 1.90 -112.25	0.0 429.20 0.0
154	75	429.20 0.0	273.12 -275.52	-5.03e-03 -0.08	-19.08 0.0	0.0 90.0 180.0	0.41 0.41 0.41	9.54 0.0 -9.54	3.05 3.05 3.05	-4.92 -4.92 -4.92	-275.52 -1.20 273.12	0.0 429.20 0.0
154	87	429.20 0.0	11.07 -10.91	-4.17e-03 5.73e-03	-19.08 0.0	0.0 90.0 180.0	-0.14 -0.14 -0.14	9.54 0.0 -9.54	0.12 0.12 0.12	0.15 0.15 0.15	-10.91 0.08 11.07	0.0 429.20 0.0
154	89	429.20 0.0	27.16 -26.25	-4.72e-03 -4.66e-03	-19.08 0.0	0.0 90.0 180.0	-0.30 -0.30 -0.30	9.54 0.0 -9.54	0.30 0.30 0.30	-0.86 -0.86 -0.86	-26.25 0.46 27.16	0.0 429.20 0.0
154	91	429.20 0.0	7.26 -6.95	-4.27e-03 6.81e-03	-19.08 0.0	0.0 90.0 180.0	-0.14 -0.14 -0.14	9.54 0.0 -9.54	0.08 0.08 0.08	0.07 0.07 0.07	-6.95 0.15 7.26	0.0 429.20 0.0
154	98	429.20 0.0	10.85 -10.34	-4.15e-03 -3.53e-03	-19.08 0.0	0.0 90.0 180.0	-0.14 -0.14 -0.14	9.54 0.0 -9.54	0.12 0.12 0.12	-0.43 -0.43 -0.43	-10.34 0.26 10.85	0.0 429.20 0.0
154	99	429.20 0.0	18.90 -18.00	-4.43e-03 -8.73e-03	-19.08 0.0	0.0 90.0 180.0	-0.22 -0.22 -0.22	9.54 0.0 -9.54	0.21 0.21 0.21	-0.94 -0.94 -0.94	-18.00 0.45 18.90	0.0 429.20 0.0
154	100	429.20 0.0	10.09 -9.54	-4.17e-03 -3.32e-03	-19.08 0.0	0.0 90.0 180.0	-0.14 -0.14 -0.14	9.54 0.0 -9.54	0.11 0.11 0.11	-0.45 -0.45 -0.45	-9.54 0.27 10.09	0.0 429.20 0.0
154	105	429.20 0.0	10.85 -10.34	-4.15e-03 -3.53e-03	-19.08 0.0	0.0 90.0 180.0	-0.14 -0.14 -0.14	9.54 0.0 -9.54	0.12 0.12 0.12	-0.43 -0.43 -0.43	-10.34 0.26 10.85	0.0 429.20 0.0
154	106	429.20 0.0	15.68 -14.94	-4.32e-03 -6.65e-03	-19.08 0.0	0.0 90.0 180.0	-0.19 -0.19 -0.19	9.54 0.0 -9.54	0.17 0.17 0.17	-0.74 -0.74 -0.74	-14.94 0.37 15.68	0.0 429.20 0.0
155	1	509.46 0.0	14.52 -14.43	-5.09e-03 0.01	-23.70 0.0	0.0 86.0 172.0	-0.35 -0.35 -0.35	11.85 0.0 -11.85	-0.17 -0.17 -0.17	0.65 0.65 0.65	14.52 0.04 -14.43	0.0 509.46 0.0
155	3	509.46 0.0	36.20 -35.57	-7.60e-03 -2.86e-04	-23.70 0.0	0.0 86.0 172.0	-1.49 -1.49 -1.49	11.85 0.0 -11.85	-0.42 -0.42 -0.42	-0.58 -0.58 -0.58	36.20 0.31 -35.57	0.0 509.46 0.0
155	4	509.46 0.0	33.48 -32.75	-7.64e-03 4.90e-04	-23.70 0.0	0.0 86.0 172.0	-1.52 -1.52 -1.52	11.85 0.0 -11.85	-0.39 -0.39 -0.39	-0.57 -0.57 -0.57	33.48 0.36 -32.75	0.0 509.46 0.0
155	19	391.90 0.0	12.09 -12.21	-4.08e-03 0.02	-18.23 0.0	0.0 86.0 172.0	-0.23 -0.23 -0.23	9.11 0.0 -9.11	-0.14 -0.14 -0.14	1.52 1.52 1.52	12.09 -0.06 -12.21	0.0 391.90 0.0
155	33	391.90 0.0	261.55 -261.20	-2.39e-03 0.03	-18.23 0.0	0.0 86.0 172.0	-1.16 -1.16 -1.16	9.11 0.0 -9.11	3.04 3.04 3.04	-13.53 -13.53 -13.53	-261.20 0.18 261.55	0.0 391.90 0.0
155	43	391.90 0.0	571.89 -569.61	-6.48e-03 -0.10	-18.23 0.0	0.0 86.0 172.0	-6.10 -6.10 -6.10	9.11 0.0 -9.11	-6.64 -6.64 -6.64	-9.20 -9.20 -9.20	571.89 1.14 -569.61	0.0 391.90 0.0
155	46	391.90 0.0	541.41 -543.08	-2.26e-03 0.09	-18.23 0.0	0.0 86.0 172.0	5.08 5.08 5.08	9.11 0.0 -9.11	6.31 6.31 6.31	8.02 8.02 8.02	-543.08 -0.84 541.41	0.0 391.90 0.0
155	49	391.90 0.0	279.26 -277.62	-5.08e-03 -0.05	-18.23 0.0	0.0 86.0 172.0	-4.02 -4.02 -4.02	9.11 0.0 -9.11	-3.24 -3.24 -3.24	-11.25 -11.25 -11.25	279.26 0.82 -277.62	0.0 391.90 0.0
155	65	391.90 0.0	116.03 -115.71	-3.24e-03 0.01	-18.23 0.0	0.0 86.0 172.0	-0.89 -0.89 -0.89	9.11 0.0 -9.11	1.35 1.35 1.35	-6.24 -6.24 -6.24	-115.71 0.16 116.03	0.0 391.90 0.0
155	71	391.90 0.0	268.65 -266.94	-5.38e-03 -0.04	-18.23 0.0	0.0 86.0 172.0	-3.11 -3.11 -3.11	9.11 0.0 -9.11	-3.11 -3.11 -3.11	-4.77 -4.77 -4.77	268.65 0.86 -266.94	0.0 391.90 0.0
155	75	391.90 0.0	267.90 -266.44	-5.19e-03 -0.05	-18.23 0.0	0.0 86.0	-3.34 -3.34	9.11 0.0	-3.11 -3.11	-4.28 -4.28	267.90 0.73	0.0 391.90

155	78	391.90	238.23	-3.16e-03	-18.23	172.0	-3.34	-9.11	-3.11	-4.28	-266.44	0.0
		0.0	-239.09	0.04	0.0	0.0	2.33	9.11	2.78	3.10	-239.09	0.0
						86.0	2.33	0.0	2.78	3.10	-0.43	391.90
155	81	391.90	137.45	-4.58e-03	-18.23	172.0	2.33	-9.11	2.78	3.10	238.23	0.0
		0.0	-136.30	-0.02	0.0	0.0	-2.29	9.11	-1.59	-5.28	137.45	0.0
						86.0	-2.29	0.0	-1.59	-5.28	0.57	391.90
155	87	391.90	10.93	-3.85e-03	-18.23	172.0	-2.29	-9.11	-1.59	-5.28	-136.30	0.0
		0.0	-10.86	7.27e-03	0.0	0.0	-0.26	9.11	-0.13	0.40	10.93	0.0
						86.0	-0.26	0.0	-0.13	0.40	0.04	391.90
155	89	391.90	25.39	-5.50e-03	-18.23	172.0	-0.26	-9.11	-0.13	0.40	-10.86	0.0
		0.0	-24.95	-2.58e-04	0.0	0.0	-1.02	9.11	-0.29	-0.42	25.39	0.0
						86.0	-1.02	0.0	-0.29	-0.42	0.22	391.90
155	90	391.90	23.57	-5.52e-03	-18.23	172.0	-1.02	-9.11	-0.29	-0.42	-24.95	0.0
		0.0	-23.07	-1.95e-04	0.0	0.0	-1.05	9.11	-0.27	-0.42	23.57	0.0
						86.0	-1.05	0.0	-0.27	-0.42	0.25	391.90
155	94	391.90	11.51	-3.98e-03	-18.23	172.0	-1.05	-9.11	-0.27	-0.42	-23.07	0.0
		0.0	-11.51	0.01	0.0	0.0	-0.25	9.11	-0.13	0.89	11.51	0.0
						86.0	-0.25	0.0	-0.13	0.89	-3.67e-03	391.90
155	98	391.90	10.07	-3.67e-03	-18.23	172.0	-0.25	-9.11	-0.13	0.89	-11.51	0.0
		0.0	-9.87	-1.72e-03	0.0	0.0	-0.28	9.11	-0.12	-0.35	10.07	0.0
						86.0	-0.28	0.0	-0.12	-0.35	0.10	391.90
155	99	391.90	17.29	-4.44e-03	-18.23	172.0	-0.28	-9.11	-0.12	-0.35	-9.87	0.0
		0.0	-16.92	-5.47e-03	0.0	0.0	-0.66	9.11	-0.20	-0.76	17.29	0.0
						86.0	-0.66	0.0	-0.20	-0.76	0.19	391.90
155	103	391.90	10.35	-3.73e-03	-18.23	172.0	-0.66	-9.11	-0.20	-0.76	-16.92	0.0
		0.0	-10.20	1.28e-03	0.0	0.0	-0.27	9.11	-0.12	-0.10	10.35	0.0
						86.0	-0.27	0.0	-0.12	-0.10	0.08	391.90
155	105	391.90	10.07	-3.67e-03	-18.23	172.0	-0.27	-9.11	-0.12	-0.10	-10.20	0.0
		0.0	-9.87	-1.72e-03	0.0	0.0	-0.28	9.11	-0.12	-0.35	10.07	0.0
						86.0	-0.28	0.0	-0.12	-0.35	0.10	391.90
155	106	391.90	14.40	-4.11e-03	-18.23	172.0	-0.28	-9.11	-0.12	-0.35	-9.87	0.0
		0.0	-14.10	-3.97e-03	0.0	0.0	-0.51	9.11	-0.17	-0.59	14.40	0.0
						86.0	-0.51	0.0	-0.17	-0.59	0.15	391.90
156	1	557.96	6.03	-6.05e-03	-24.80	172.0	-0.51	-9.11	-0.17	-0.59	-14.10	0.0
		0.0	-6.02	0.02	0.0	0.0	-1.10	12.40	-0.07	1.82	6.03	0.0
						90.0	-1.10	0.0	-0.07	1.82	8.38e-03	557.96
156	11	557.96	3.72	-7.21e-03	-24.80	180.0	-1.10	-12.40	-0.07	1.82	-6.02	0.0
		0.0	-0.45	3.76e-03	0.0	0.0	-2.00	12.40	-0.02	3.24	3.72	0.0
						90.0	-2.00	0.0	-0.02	3.24	1.63	557.96
156	15	557.96	9.02	-6.08e-03	-24.80	180.0	-2.00	-12.40	-0.02	3.24	-0.45	0.0
		0.0	-10.11	0.03	0.0	0.0	-0.77	12.40	-0.11	2.27	9.02	0.0
						90.0	-0.77	0.0	-0.11	2.27	-0.54	557.96
156	16	557.96	9.78	-6.19e-03	-24.80	180.0	-0.77	-12.40	-0.11	2.27	-10.11	0.0
		0.0	-10.43	0.03	0.0	0.0	-1.16	12.40	-0.11	2.37	9.78	0.0
						90.0	-1.16	0.0	-0.11	2.37	-0.33	557.96
156	19	429.20	8.62	-4.63e-03	-19.08	180.0	-1.16	-12.40	-0.11	2.37	-10.43	0.0
		0.0	-10.22	0.04	0.0	0.0	-0.30	9.54	-0.10	1.94	8.62	0.0
						90.0	-0.30	0.0	-0.10	1.94	-0.80	429.20
156	20	429.20	9.37	-4.74e-03	-19.08	180.0	-0.30	-9.54	-0.10	1.94	-10.22	0.0
		0.0	-10.55	0.04	0.0	0.0	-0.70	9.54	-0.11	2.04	9.37	0.0
						90.0	-0.70	0.0	-0.11	2.04	-0.59	429.20
156	26	429.20	106.09	2.75e-03	-19.08	180.0	-0.70	-9.54	-0.11	2.04	-10.55	0.0
		0.0	-34.20	-0.07	0.0	0.0	-50.71	9.54	0.77	2.99	-34.20	0.0
						90.0	-50.71	0.0	0.77	2.99	35.94	429.20
156	31	429.20	42.84	2.30e-03	-19.08	180.0	-50.71	-9.54	0.77	2.99	106.09	0.0
		0.0	-112.29	0.16	0.0	0.0	51.67	9.54	-0.84	-3.08	42.84	0.0
						90.0	51.67	0.0	-0.84	-3.08	-34.73	429.20
156	34	429.20	115.96	-8.26e-03	-19.08	180.0	51.67	-9.54	-0.84	-3.08	-112.29	0.0
		0.0	-42.68	-0.18	0.0	0.0	-54.08	9.54	0.86	5.47	-42.68	0.0
						90.0	-54.08	0.0	0.86	5.47	36.64	429.20
156	47	429.20	76.10	-0.01	-19.08	180.0	-54.08	-9.54	0.86	5.47	115.96	0.0
		0.0	-196.95	-0.19	0.0	0.0	40.45	9.54	-1.51	6.95	76.10	0.0
						90.0	40.45	0.0	-1.51	6.95	-60.43	429.20
156	51	429.20	78.65	-7.73e-03	-19.08	180.0	40.45	-9.54	-1.51	6.95	-196.95	0.0
		0.0	-199.92	-0.16	0.0	0.0	41.46	9.54	-1.54	6.20	78.65	0.0
						90.0	41.46	0.0	-1.54	6.20	-60.63	429.20
156	54	429.20	203.58	-2.58e-03	-19.08	180.0	41.46	-9.54	-1.54	6.20	-199.92	0.0
		0.0	-78.49	0.14	0.0	0.0	-43.87	9.54	1.55	-3.82	-78.49	0.0
						90.0	-43.87	0.0	1.55	-3.82	62.54	429.20
156	57	429.20	13.49	-4.39e-03	-19.08	180.0	-43.87	-9.54	1.55	-3.82	203.58	0.0
		0.0	-2.13	-0.12	0.0	0.0	-13.99	9.54	0.09	4.01	-2.13	0.0
						90.0	-13.99	0.0	0.09	4.01	5.68	429.20
156	63	429.20	21.18	-3.54e-03	-19.08	180.0	-13.99	-9.54	0.09	4.01	13.49	0.0
		0.0	-54.12	0.07	0.0	0.0	23.72	9.54	-0.41	-0.81	21.18	0.0
						90.0	23.72	0.0	-0.41	-0.81	-16.47	429.20
156	66	429.20	57.79	-6.32e-03	-19.08	180.0	23.72	-9.54	-0.41	-0.81	-54.12	0.0
						0.0	-26.13	9.54	0.43	3.19	-21.03	0.0

		0.0	-21.03	-0.09	0.0	90.0	-26.13	0.0	0.43	3.19	18.38	429.20
						180.0	-26.13	-9.54	0.43	3.19	57.79	0.0
156	79	429.20	38.25	-7.05e-03	-19.08	0.0	18.56	9.54	-0.75	3.89	38.25	0.0
		0.0	-97.59	-0.09	0.0	90.0	18.56	0.0	-0.75	3.89	-29.67	429.20
						180.0	18.56	-9.54	-0.75	3.89	-97.59	0.0
156	83	429.20	39.50	-6.05e-03	-19.08	0.0	18.99	9.54	-0.76	3.55	39.50	0.0
		0.0	-99.07	-0.07	0.0	90.0	18.99	0.0	-0.76	3.55	-29.79	429.20
						180.0	18.99	-9.54	-0.76	3.55	-99.07	0.0
156	86	429.20	102.74	-3.75e-03	-19.08	0.0	-21.41	9.54	0.78	-1.17	-39.34	0.0
		0.0	-39.34	0.06	0.0	90.0	-21.41	0.0	0.78	-1.17	31.70	429.20
						180.0	-21.41	-9.54	0.78	-1.17	102.74	0.0
156	87	429.20	4.16	-4.62e-03	-19.08	0.0	-0.85	9.54	-0.05	1.30	4.16	0.0
		0.0	-4.03	0.01	0.0	90.0	-0.85	0.0	-0.05	1.30	0.06	429.20
						180.0	-0.85	-9.54	-0.05	1.30	-4.03	0.0
156	93	429.20	2.62	-5.39e-03	-19.08	0.0	-1.45	9.54	-0.02	2.24	2.62	0.0
		0.0	-0.33	1.99e-03	0.0	90.0	-1.45	0.0	-0.02	2.24	1.14	429.20
						180.0	-1.45	-9.54	-0.02	2.24	-0.33	0.0
156	94	429.20	6.15	-4.64e-03	-19.08	0.0	-0.63	9.54	-0.07	1.60	6.15	0.0
		0.0	-6.76	0.02	0.0	90.0	-0.63	0.0	-0.07	1.60	-0.31	429.20
						180.0	-0.63	-9.54	-0.07	1.60	-6.76	0.0
156	95	429.20	6.66	-4.72e-03	-19.08	0.0	-0.89	9.54	-0.08	1.67	6.66	0.0
		0.0	-6.98	0.02	0.0	90.0	-0.89	0.0	-0.08	1.67	-0.16	429.20
						180.0	-0.89	-9.54	-0.08	1.67	-6.98	0.0
156	98	429.20	1.17	-4.59e-03	-19.08	0.0	-1.18	9.54	-6.19e-03	0.84	1.17	0.0
		0.0	0.06	-4.14e-03	0.0	90.0	-1.18	0.0	-6.19e-03	0.84	0.62	429.20
						180.0	-1.18	-9.54	-6.19e-03	0.84	0.06	0.0
156	99	429.20	3.02	-5.01e-03	-19.08	0.0	-1.23	9.54	0.02	1.43	-0.65	0.0
		0.0	-0.65	-0.01	0.0	90.0	-1.23	0.0	0.02	1.43	1.18	429.20
						180.0	-1.23	-9.54	0.02	1.43	3.02	0.0
156	102	429.20	1.75	-4.87e-03	-19.08	0.0	-1.31	9.54	8.15e-03	1.22	0.28	0.0
		0.0	0.28	-8.34e-03	0.0	90.0	-1.31	0.0	8.15e-03	1.22	1.01	429.20
						180.0	-1.31	-9.54	8.15e-03	1.22	1.75	0.0
156	103	429.20	2.17	-4.60e-03	-19.08	0.0	-1.07	9.54	-0.02	1.00	2.17	0.0
		0.0	-1.31	1.09e-03	0.0	90.0	-1.07	0.0	-0.02	1.00	0.43	429.20
						180.0	-1.07	-9.54	-0.02	1.00	-1.31	0.0
156	105	429.20	1.17	-4.59e-03	-19.08	0.0	-1.18	9.54	-6.19e-03	0.84	1.17	0.0
		0.0	0.06	-4.14e-03	0.0	90.0	-1.18	0.0	-6.19e-03	0.84	0.62	429.20
						180.0	-1.18	-9.54	-6.19e-03	0.84	0.06	0.0
156	106	429.20	1.83	-4.84e-03	-19.08	0.0	-1.21	9.54	9.75e-03	1.19	0.08	0.0
		0.0	0.08	-8.42e-03	0.0	90.0	-1.21	0.0	9.75e-03	1.19	0.96	429.20
						180.0	-1.21	-9.54	9.75e-03	1.19	1.83	0.0
157	1	509.46	1.39	-5.85e-03	-23.70	0.0	0.02	11.85	0.03	0.19	-3.38	0.0
		0.0	-3.38	0.02	0.0	86.0	0.02	0.0	0.03	0.19	-1.00	509.46
						172.0	0.02	-11.85	0.03	0.19	1.39	0.0
157	3	509.46	0.29	-9.40e-03	-23.70	0.0	0.79	11.85	7.61e-03	0.87	-1.02	0.0
		0.0	-1.02	-3.64e-03	0.0	86.0	0.79	0.0	7.61e-03	0.87	-0.36	509.46
						172.0	0.79	-11.85	7.61e-03	0.87	0.29	0.0
157	9	509.46	1.57	-5.96e-03	-23.70	0.0	-0.19	11.85	0.03	0.13	-3.34	0.0
		0.0	-3.34	0.02	0.0	86.0	-0.19	0.0	0.03	0.13	-0.88	509.46
						172.0	-0.19	-11.85	0.03	0.13	1.57	0.0
157	15	509.46	2.82	-6.17e-03	-23.70	0.0	1.07	11.85	0.05	5.26e-03	-5.48	0.0
		0.0	-5.48	0.03	0.0	86.0	1.07	0.0	0.05	5.26e-03	-1.33	509.46
						172.0	1.07	-11.85	0.05	5.26e-03	2.82	0.0
157	20	391.90	3.06	-4.86e-03	-18.23	0.0	1.36	9.11	0.05	-0.17	-5.39	0.0
		0.0	-5.39	0.03	0.0	86.0	1.36	0.0	0.05	-0.17	-1.16	391.90
						172.0	1.36	-9.11	0.05	-0.17	3.06	0.0
157	21	391.90	2.20	-7.35e-03	-18.23	0.0	2.01	9.11	0.03	0.33	-3.76	0.0
		0.0	-3.76	0.02	0.0	86.0	2.01	0.0	0.03	0.33	-0.78	391.90
						172.0	2.01	-9.11	0.03	0.33	2.20	0.0
157	24	391.90	30.58	-0.01	-18.23	0.0	-0.68	9.11	-0.06	-27.59	30.58	0.0
		0.0	-3.57	-0.06	0.0	86.0	-0.68	0.0	-0.06	-27.59	13.51	391.90
						172.0	-0.68	-9.11	-0.06	-27.59	-3.57	0.0
157	25	391.90	1.95	5.48e-03	-18.23	0.0	-1.35	9.11	0.04	28.55	-29.98	0.0
		0.0	-29.98	0.04	0.0	86.0	-1.35	0.0	0.04	28.55	-14.01	391.90
						172.0	-1.35	-9.11	0.04	28.55	1.95	0.0
157	51	391.90	-58.14	-0.01	-18.23	0.0	-32.41	9.11	-0.42	-24.56	-58.14	0.0
		0.0	-110.75	-0.16	0.0	86.0	-32.41	0.0	-0.42	-24.56	-84.44	391.90
						172.0	-32.41	-9.11	-0.42	-24.56	-110.75	0.0
157	54	391.90	109.13	4.19e-03	-18.23	0.0	30.38	9.11	0.41	25.51	58.74	0.0
		0.0	58.74	0.15	0.0	86.0	30.38	0.0	0.41	25.51	83.94	391.90
						172.0	30.38	-9.11	0.41	25.51	109.13	0.0
157	56	391.90	15.14	-7.80e-03	-18.23	0.0	-0.74	9.11	-0.03	-13.14	15.14	0.0
		0.0	-1.77	-0.04	0.0	86.0	-0.74	0.0	-0.03	-13.14	6.68	391.90
						172.0	-0.74	-9.11	-0.03	-13.14	-1.77	0.0
157	58	391.90	22.72	2.06e-03	-18.23	0.0	5.54	9.11	0.10	19.09	-0.19	0.0
		0.0	-0.19	0.06	0.0	86.0	5.54	0.0	0.10	19.09	11.27	391.90
						172.0	5.54	-9.11	0.10	19.09	22.72	0.0

157	83	391.90 0.0	-29.14 -55.84	-7.30e-03 -0.08	-18.23 0.0	0.0 86.0 172.0	-16.80 -16.80 -16.80	9.11 0.0 -9.11	-0.21 -0.21 -0.21	-11.45 -11.45 -11.45	-29.14 -42.49 -55.84	0.0 391.90 0.0
157	86	391.90 0.0	54.22 29.75	-2.66e-03 0.06	-18.23 0.0	0.0 86.0 172.0	14.77 14.77 14.77	9.11 0.0 -9.11	0.20 0.20 0.20	12.41 12.41 12.41	29.75 41.98 54.22	0.0 391.90 0.0
157	87	391.90 0.0	0.84 -2.27	-4.39e-03 0.01	-18.23 0.0	0.0 86.0 172.0	-0.12 -0.12 -0.12	9.11 0.0 -9.11	0.02 0.02 0.02	0.16 0.16 0.16	-2.27 -0.72 0.84	0.0 391.90 0.0
157	91	391.90 0.0	0.96 -2.24	-4.47e-03 0.01	-18.23 0.0	0.0 86.0 172.0	-0.27 -0.27 -0.27	9.11 0.0 -9.11	0.02 0.02 0.02	0.12 0.12 0.12	-2.24 -0.64 0.96	0.0 391.90 0.0
157	94	391.90 0.0	1.79 -3.67	-4.61e-03 0.02	-18.23 0.0	0.0 86.0 172.0	0.57 0.57 0.57	9.11 0.0 -9.11	0.03 0.03 0.03	0.03 0.03 0.03	-3.67 -0.94 1.79	0.0 391.90 0.0
157	95	391.90 0.0	1.85 -3.66	-4.65e-03 0.02	-18.23 0.0	0.0 86.0 172.0	0.50 0.50 0.50	9.11 0.0 -9.11	0.03 0.03 0.03	0.01 0.01 0.01	-3.66 -0.90 1.85	0.0 391.90 0.0
157	96	391.90 0.0	1.28 -2.57	-6.20e-03 0.01	-18.23 0.0	0.0 86.0 172.0	0.93 0.93 0.93	9.11 0.0 -9.11	0.02 0.02 0.02	0.35 0.35 0.35	-2.57 -0.64 1.28	0.0 391.90 0.0
157	98	391.90 0.0	-0.17 -0.59	-4.08e-03 -4.24e-03	-18.23 0.0	0.0 86.0 172.0	-1.17 -1.17 -1.17	9.11 0.0 -9.11	-2.44e-03 -2.44e-03 -2.44e-03	0.34 0.34 0.34	-0.17 -0.38 -0.59	0.0 391.90 0.0
157	99	391.90 0.0	0.62 -0.96	-5.13e-03 -0.01	-18.23 0.0	0.0 86.0 172.0	-0.91 -0.91 -0.91	9.11 0.0 -9.11	-9.15e-03 -9.15e-03 -9.15e-03	0.57 0.57 0.57	0.62 -0.17 -0.96	0.0 391.90 0.0
157	100	391.90 0.0	-0.16 -0.57	-4.09e-03 -4.18e-03	-18.23 0.0	0.0 86.0 172.0	-1.20 -1.20 -1.20	9.11 0.0 -9.11	-2.33e-03 -2.33e-03 -2.33e-03	0.34 0.34 0.34	-0.16 -0.37 -0.57	0.0 391.90 0.0
157	104	391.90 0.0	-0.33 -0.40	-4.81e-03 -3.37e-03	-18.23 0.0	0.0 86.0 172.0	-0.66 -0.66 -0.66	9.11 0.0 -9.11	3.72e-04 3.72e-04 3.72e-04	0.42 0.42 0.42	-0.40 -0.37 -0.33	0.0 391.90 0.0
157	105	391.90 0.0	-0.17 -0.59	-4.08e-03 -4.24e-03	-18.23 0.0	0.0 86.0 172.0	-1.17 -1.17 -1.17	9.11 0.0 -9.11	-2.44e-03 -2.44e-03 -2.44e-03	0.34 0.34 0.34	-0.17 -0.38 -0.59	0.0 391.90 0.0
157	106	391.90 0.0	0.30 -0.81	-4.71e-03 -8.23e-03	-18.23 0.0	0.0 86.0 172.0	-1.01 -1.01 -1.01	9.11 0.0 -9.11	-6.47e-03 -6.47e-03 -6.47e-03	0.48 0.48 0.48	0.30 -0.25 -0.81	0.0 391.90 0.0
161	3	-3559.41 -2.369e+04	16.74 -18.91	-5.72e-03 1.38e-03	-490.79 0.0	0.0 20.0 40.0	-434.96 -434.96 -434.96	748.74 503.34 257.95	-0.89 -0.89 -0.89	13.99 13.99 13.99	16.74 -1.08 -18.91	-2.369e+04 -1.117e+04 -3559.41
161	5	138.78 -914.53	-1.31 -9.81	-3.59e-04 5.58e-04	-58.87 0.0	0.0 20.0 40.0	-194.34 -194.34 -194.34	3.19 -26.25 -55.68	-0.21 -0.21 -0.21	6.42 6.42 6.42	-1.31 -5.56 -9.81	135.41 -95.20 -914.53
161	18	-3219.21 -1.473e+04	7.65 -22.23	-4.03e-03 1.44e-03	-368.39 0.0	0.0 20.0 40.0	-477.55 -477.55 -477.55	472.05 287.85 103.66	-0.75 -0.75 -0.75	15.41 15.41 15.41	7.65 -7.29 -22.23	-1.473e+04 -7134.34 -3219.21
161	20	2293.49 -1326.15	-5.08 -15.56	-2.12e-04 8.41e-04	-58.87 0.0	0.0 20.0 40.0	-303.70 -303.70 -303.70	-61.06 -90.49 -119.93	-0.26 -0.26 -0.26	9.91 9.91 9.91	-5.08 -10.32 -15.56	2293.49 778.03 -1326.15
161	27	8.554e+04 -1.737e+04	32.16 -403.90	2.04e-03 -7.54e-04	-143.19 0.0	0.0 20.0 40.0	-4738.65 -4738.65 -4738.65	-2500.94 -2572.54 -2644.14	11.77 11.77 11.77	-16.15 -16.15 -16.15	-403.90 -185.87 32.16	8.554e+04 3.480e+04 -1.737e+04
161	30	1.563e+04 -1.004e+05	413.94 -40.02	-5.21e-03 1.43e-03	-143.19 0.0	0.0 20.0 40.0	4550.97 4550.97 4550.97	2971.94 2900.34 2828.75	-12.22 -12.22 -12.22	22.08 22.08 22.08	413.94 186.96 -40.02	-1.004e+05 4.166e+04 1.563e+04
161	43	4.317e+04 -9861.60	434.07 -1725.90	-1.05e-03 -0.02	-143.19 0.0	0.0 20.0 40.0	-2622.48 -2622.48 -2622.48	-1254.17 -1325.77 -1397.36	53.65 53.65 53.65	-193.23 -193.23 -193.23	-1725.90 -645.91 434.07	4.317e+04 1.737e+04 -9861.60
161	46	8125.09 -5.802e+04	1735.94 -441.94	-3.78e-03 0.02	-143.19 0.0	0.0 20.0 40.0	2434.80 2434.80 2434.80	1725.17 1653.57 1581.98	-54.10 -54.10 -54.10	199.15 199.15 199.15	1735.94 647.00 -441.94	-5.802e+04 -2.423e+04 8125.09
161	59	3.736e+04 -8816.75	16.57 -199.36	-1.05e-03 -3.37e-04	-143.19 0.0	0.0 20.0 40.0	-2331.43 -2331.43 -2331.43	-1082.75 -1154.35 -1225.95	5.88 5.88 5.88	-7.52 -7.52 -7.52	-199.36 -91.39 16.57	3.736e+04 1.499e+04 -8816.75
161	62	7080.24 -5.221e+04	209.40 -24.43	-3.32e-03 1.02e-03	-143.19 0.0	0.0 20.0 40.0	2143.75 2143.75 2143.75	1553.75 1482.15 1410.56	-6.33 -6.33 -6.33	13.45 13.45 13.45	209.40 92.48 -24.43	-5.221e+04 -2.185e+04 7080.24
161	75	1.693e+04 -5197.20	220.68 -877.37	-7.15e-04 -8.97e-03	-143.19 0.0	0.0 20.0 40.0	-1310.94 -1310.94 -1310.94	-481.52 -553.12 -624.71	27.35 27.35 27.35	-97.75 -97.75 -97.75	-877.37 -328.40 220.68	1.693e+04 6581.45 -5197.20
161	78	3460.69 -3.178e+04	887.42 -228.55	-2.64e-03 9.65e-03	-143.19 0.0	0.0 20.0 40.0	1123.26 1123.26 1123.26	952.52 880.92 809.32	-27.80 -27.80 -27.80	103.67 103.67 103.67	887.42 329.43 -228.55	-3.178e+04 -1.344e+04 3460.69
161	87	-538.15 -969.49	-0.43 -7.41	-4.46e-04 4.41e-04	-61.59 0.0	0.0 20.0	-147.08 -147.08	36.49 5.70	-0.17 -0.17	4.86 4.86	-0.43 -3.92	-969.49 -547.59

161	89	-2412.31 -1.608e+04	11.41 -12.82	-3.87e-03 9.40e-04	-333.59 0.0	40.0 0.0	-147.08 -295.47	-25.10 508.59	-0.17 -0.61	4.86 9.48	-7.41 11.41	-741.60 -1.608e+04
161	95	469.23 -1016.01	-2.94 -11.24	-3.48e-04 6.30e-04	-61.59 0.0	20.0 40.0	-295.47 -295.47	341.80 175.00	-0.61 -0.61	9.48 9.48	-0.70 -12.82	-7580.32 -2412.31
161	97	-2185.51 -1.011e+04	5.34 -15.03	-2.74e-03 9.80e-04	-251.99 0.0	0.0 20.0	-219.99 -219.99	-6.34 -37.13	-0.21 -0.21	7.19 7.19	-2.94 -7.09	469.23 34.57
161	98	-367.04 -2889.90	1.47 -2.31	-5.57e-04 1.90e-04	-61.59 0.0	40.0 0.0	-219.99 -49.33	-67.93 93.87	-0.21 -0.09	7.19 1.58	-11.24 1.47	-1016.01 -2889.90
161	99	-1202.40 -1.045e+04	7.39 -5.01	-2.27e-03 4.39e-04	-197.59 0.0	20.0 40.0	-49.33 -123.52	63.07 329.92	-0.09 -0.31	1.58 3.89	-2.31 7.39	-367.04 -1.045e+04
161	104	-993.11 -6784.19	4.39 -5.63	-1.55e-03 4.24e-04	-143.19 0.0	0.0 20.0	-123.52 -126.43	231.12 216.37	-0.31 -0.25	3.89 4.06	1.19 4.39	-4836.88 -6784.19
161	105	-367.04 -2889.90	1.47 -2.31	-5.57e-04 1.90e-04	-61.59 0.0	40.0 0.0	-126.43 -49.33	144.78 93.87	-0.25 -0.09	4.06 1.58	-0.62 1.47	-3172.69 -2889.90
161	106	-868.25 -7424.33	5.02 -3.93	-1.58e-03 3.40e-04	-143.19 0.0	20.0 40.0	-49.33 -93.84	63.07 235.50	-0.09 -0.22	1.58 2.96	-2.31 5.02	-367.04 -7424.33
166	1	557.96 0.0	13.85 -13.87	-3.12e-03 9.34e-03	-24.80 0.0	0.0 90.0	-93.84 -93.84	163.90 92.31	-0.22 -0.22	2.96 2.96	0.54 -3.93	-3430.33 -868.25
166	3	557.96 0.0	36.20 -36.27	5.63e-03 -6.16e-03	-24.80 0.0	0.0 90.0	-0.91 -0.91	12.40 0.0	0.15 0.15	0.66 0.66	-13.87 -7.49e-03	0.0 557.96
166	20	429.20 0.0	8.02 -8.17	2.48e-03 0.02	-19.08 0.0	0.0 90.0	-12.40 36.17	0.15 0.40	0.66 0.40	0.66 -0.25	13.85 -36.27	0.0 0.0
166	27	429.20 0.0	493.73 -517.52	7.29e-03 0.06	-19.08 0.0	0.0 90.0	36.17 -12.40	0.40 0.40	-0.25 -0.25	-0.04 36.20	557.96 0.0	0.0
166	29	429.20 0.0	251.45 -232.62	-3.44e-03 -0.18	-19.08 0.0	0.0 90.0	-26.66 -26.66	9.54 0.0	0.09 0.09	1.33 1.33	-8.17 -0.07	0.0 429.20
166	30	429.20 0.0	488.76 -465.01	-4.83e-03 -0.08	-19.08 0.0	0.0 90.0	-9.54 -9.54	0.09 0.09	1.33 1.33	8.02 0.0	0.0 0.0	0.0
166	43	429.20 0.0	575.40 -586.90	6.89e-03 -0.18	-19.08 0.0	0.0 90.0	-776.28 -776.28	9.54 0.0	5.62 5.62	2.73 2.73	-517.52 -11.90	0.0 429.20
166	48	429.20 0.0	265.78 -264.00	-3.79e-03 0.21	-19.08 0.0	0.0 90.0	-776.28 -776.28	9.54 0.0	5.62 5.62	2.73 2.73	493.73 -11.90	0.0 429.20
166	59	429.20 0.0	241.56 -253.25	4.69e-03 0.03	-19.08 0.0	0.0 90.0	632.14 632.14	9.54 0.0	-2.69 -2.69	-8.92 -8.92	251.45 9.42	0.0 429.20
166	61	429.20 0.0	113.36 -104.23	-2.81e-03 -0.09	-19.08 0.0	0.0 90.0	632.14 632.14	9.54 0.0	-2.69 -2.69	-8.92 -8.92	251.45 9.42	0.0 429.20
166	62	429.20 0.0	224.49 -212.84	-3.42e-03 -0.04	-19.08 0.0	0.0 90.0	829.30 829.30	9.54 0.0	-5.30 -5.30	-3.43 -3.43	488.76 11.88	0.0 429.20
166	75	429.20 0.0	268.34 -274.17	4.49e-03 -0.08	-19.08 0.0	0.0 90.0	829.30 829.30	9.54 0.0	-5.30 -5.30	-3.43 -3.43	488.76 11.88	0.0 429.20
166	80	429.20 0.0	115.85 -114.80	-2.97e-03 0.09	-19.08 0.0	0.0 90.0	-410.57 -410.57	9.54 0.0	6.46 6.46	-9.15 -9.15	-586.90 -5.75	0.0 429.20
166	87	429.20 0.0	10.49 -10.50	-2.44e-03 5.77e-03	-19.08 0.0	0.0 90.0	-410.57 -410.57	9.54 0.0	6.46 6.46	-9.15 -9.15	575.40 -5.75	0.0 429.20
166	89	429.20 0.0	25.39 -25.43	3.93e-03 -4.56e-03	-19.08 0.0	0.0 90.0	143.85 143.85	9.54 0.0	-2.94 -2.94	10.55 10.55	265.78 0.89	0.0 429.20
166	95	429.20 0.0	8.71 -8.82	-2.29e-03 0.01	-19.08 0.0	0.0 90.0	143.85 143.85	9.54 0.0	-2.94 -2.94	10.55 10.55	265.78 0.89	0.0 429.20
166	98	429.20 0.0	9.89 -9.90	-2.55e-03 -3.49e-03	-19.08 0.0	0.0 90.0	-360.08 -360.08	9.54 0.0	2.75 2.75	1.08 1.08	-253.25 -5.85	0.0 429.20
166	99	429.20	17.34	2.67e-03	-19.08	0.0	-360.08	9.54	2.75	1.08	241.56	0.0

			0.0	-17.37	-8.66e-03	0.0	90.0	31.45	0.0	0.19	-0.47	-0.01	429.20
							180.0	31.45	-9.54	0.19	-0.47	17.34	0.0
166	103	429.20	10.09	-2.51e-03	-19.08	0.0	0.0	13.15	9.54	0.11	0.03	-10.10	0.0
		0.0	-10.10	-4.29e-04	0.0	90.0	13.15	0.0	0.11	0.03	-4.01e-03	429.20	
						180.0	13.15	-9.54	0.11	0.03	10.09	0.0	
166	105	429.20	9.89	-2.55e-03	-19.08	0.0	0.0	19.09	9.54	0.11	-0.17	-9.90	0.0
		0.0	-9.90	-3.49e-03	0.0	90.0	19.09	0.0	0.11	-0.17	-4.69e-03	429.20	
						180.0	19.09	-9.54	0.11	-0.17	9.89	0.0	
166	106	429.20	14.36	-2.29e-03	-19.08	0.0	0.0	26.51	9.54	0.16	-0.35	-14.38	0.0
		0.0	-14.38	-6.59e-03	0.0	90.0	26.51	0.0	0.16	-0.35	-0.01	429.20	
						180.0	26.51	-9.54	0.16	-0.35	14.36	0.0	
167	1	557.96	1.42	-6.18e-03	-24.80	0.0	0.0	-0.26	12.40	0.18	-2.16	-31.09	0.0
		0.0	-31.09	0.01	0.0	90.0	-0.26	0.0	0.18	-2.16	-14.84	557.96	
						180.0	-0.26	-12.40	0.18	-2.16	1.42	0.0	
167	3	557.96	8.85	-7.59e-03	-24.80	0.0	0.0	0.14	12.40	-0.09	-2.49	8.85	0.0
		0.0	-7.29	-2.24e-03	0.0	90.0	0.14	0.0	-0.09	-2.49	0.78	557.96	
						180.0	0.14	-12.40	-0.09	-2.49	-7.29	0.0	
167	7	429.20	16.54	-6.11e-03	-19.08	0.0	0.0	0.20	9.54	-0.13	-1.83	16.54	0.0
		0.0	-7.69	1.79e-03	0.0	90.0	0.20	0.0	-0.13	-1.83	4.43	429.20	
						180.0	0.20	-9.54	-0.13	-1.83	-7.69	0.0	
167	9	557.96	6.90	-6.45e-03	-24.80	0.0	0.0	-0.63	12.40	0.45	-3.99	-73.26	0.0
		0.0	-73.26	3.30e-03	0.0	90.0	-0.63	0.0	0.45	-3.99	-33.18	557.96	
						180.0	-0.63	-12.40	0.45	-3.99	6.90	0.0	
167	23	429.20	425.02	-8.84e-03	-19.08	0.0	0.0	2.00	9.54	-2.76	0.12	425.02	0.0
		0.0	-73.08	0.05	0.0	90.0	2.00	0.0	-2.76	0.12	175.97	429.20	
						180.0	2.00	-9.54	-2.76	0.12	-73.08	0.0	
167	26	429.20	72.07	2.69e-03	-19.08	0.0	0.0	-2.14	9.54	2.91	-3.87	-452.39	0.0
		0.0	-452.39	-0.08	0.0	90.0	-2.14	0.0	2.91	-3.87	-190.16	429.20	
						180.0	-2.14	-9.54	2.91	-3.87	72.07	0.0	
167	31	429.20	369.90	2.57e-03	-19.08	0.0	0.0	-1.07	9.54	-2.47	3.95	369.90	0.0
		0.0	-76.51	0.17	0.0	90.0	-1.07	0.0	-2.47	3.95	146.70	429.20	
						180.0	-1.07	-9.54	-2.47	3.95	-76.51	0.0	
167	34	429.20	75.49	-8.75e-03	-19.08	0.0	0.0	0.92	9.54	2.62	-7.71	-397.27	0.0
		0.0	-397.27	-0.20	0.0	90.0	0.92	0.0	2.62	-7.71	-160.89	429.20	
						180.0	0.92	-9.54	2.62	-7.71	75.49	0.0	
167	44	429.20	46.22	6.07e-03	-19.08	0.0	0.0	-2.44	9.54	1.56	10.52	-234.41	0.0
		0.0	-234.41	0.41	0.0	90.0	-2.44	0.0	1.56	10.52	-94.09	429.20	
						180.0	-2.44	-9.54	1.56	10.52	46.22	0.0	
167	45	429.20	207.05	-0.01	-19.08	0.0	0.0	2.30	9.54	-1.41	-14.27	207.05	0.0
		0.0	-47.24	-0.44	0.0	90.0	2.30	0.0	-1.41	-14.27	79.90	429.20	
						180.0	2.30	-9.54	-1.41	-14.27	-47.24	0.0	
167	55	429.20	193.98	-6.56e-03	-19.08	0.0	0.0	0.90	9.54	-1.27	-0.90	193.98	0.0
		0.0	-34.43	0.02	0.0	90.0	0.90	0.0	-1.27	-0.90	79.78	429.20	
						180.0	0.90	-9.54	-1.27	-0.90	-34.43	0.0	
167	58	429.20	33.42	-3.54e-03	-19.08	0.0	0.0	-1.05	9.54	1.41	-2.85	-221.35	0.0
		0.0	-221.35	-0.05	0.0	90.0	-1.05	0.0	1.41	-2.85	-93.96	429.20	
						180.0	-1.05	-9.54	1.41	-2.85	33.42	0.0	
167	63	429.20	164.33	-3.52e-03	-19.08	0.0	0.0	-0.54	9.54	-1.11	0.81	164.33	0.0
		0.0	-35.24	0.07	0.0	90.0	-0.54	0.0	-1.11	0.81	64.55	429.20	
						180.0	-0.54	-9.54	-1.11	0.81	-35.24	0.0	
167	66	429.20	34.23	-6.59e-03	-19.08	0.0	0.0	0.39	9.54	1.25	-4.56	-191.70	0.0
		0.0	-191.70	-0.10	0.0	90.0	0.39	0.0	1.25	-4.56	-78.74	429.20	
						180.0	0.39	-9.54	1.25	-4.56	34.23	0.0	
167	76	429.20	20.10	-2.84e-03	-19.08	0.0	0.0	-1.14	9.54	0.73	3.57	-112.00	0.0
		0.0	-112.00	0.17	0.0	90.0	-1.14	0.0	0.73	3.57	-45.95	429.20	
						180.0	-1.14	-9.54	0.73	3.57	20.10	0.0	
167	77	429.20	84.64	-7.56e-03	-19.08	0.0	0.0	1.00	9.54	-0.59	-7.32	84.64	0.0
		0.0	-21.12	-0.20	0.0	90.0	1.00	0.0	-0.59	-7.32	31.76	429.20	
						180.0	1.00	-9.54	-0.59	-7.32	-21.12	0.0	
167	87	429.20	1.11	-4.71e-03	-19.08	0.0	0.0	-0.19	9.54	0.14	-1.64	-23.22	0.0
		0.0	-23.22	7.08e-03	0.0	90.0	-0.19	0.0	0.14	-1.64	-11.06	429.20	
						180.0	-0.19	-9.54	0.14	-1.64	1.11	0.0	
167	89	429.20	3.41	-5.65e-03	-19.08	0.0	0.0	0.08	9.54	-0.05	-1.86	3.41	0.0
		0.0	-4.71	-2.91e-03	0.0	90.0	0.08	0.0	-0.05	-1.86	-0.65	429.20	
						180.0	0.08	-9.54	-0.05	-1.86	-4.71	0.0	
167	91	429.20	4.76	-4.90e-03	-19.08	0.0	0.0	-0.44	9.54	0.31	-2.86	-51.34	0.0
		0.0	-51.34	1.62e-03	0.0	90.0	-0.44	0.0	0.31	-2.86	-23.29	429.20	
						180.0	-0.44	-9.54	0.31	-2.86	4.76	0.0	
167	98	429.20	1.24	-4.68e-03	-19.08	0.0	0.0	-0.15	9.54	0.13	-1.81	-21.67	0.0
		0.0	-21.67	-0.01	0.0	90.0	-0.15	0.0	0.13	-1.81	-10.22	429.20	
						180.0	-0.15	-9.54	0.13	-1.81	1.24	0.0	
167	99	429.20	-1.67	-5.13e-03	-19.08	0.0	0.0	-0.02	9.54	0.04	-1.92	-8.36	0.0
		0.0	-8.36	-0.02	0.0	90.0	-0.02	0.0	0.04	-1.92	-5.01	429.20	
						180.0	-0.02	-9.54	0.04	-1.92	-1.67	0.0	
167	100	429.20	1.97	-4.71e-03	-19.08	0.0	0.0	-0.20	9.54	0.16	-2.05	-27.29	0.0
		0.0	-27.29	-0.01	0.0	90.0	-0.20	0.0	0.16	-2.05	-12.66	429.20	
						180.0	-0.20	-9.54	0.16	-2.05	1.97	0.0	

167	105	429.20 0.0	1.24 -21.67	-4.68e-03 -0.01	-19.08 0.0	0.0 90.0 180.0	-0.15 -0.15 -0.15	9.54 0.0 -9.54	0.13 0.13 0.13	-1.81 -1.81 -1.81	-21.67 -10.22 1.24	0.0 429.20 0.0
167	106	429.20 0.0	-0.51 -13.68	-4.94e-03 -0.01	-19.08 0.0	0.0 90.0 180.0	-0.07 -0.07 -0.07	9.54 0.0 -9.54	0.07 0.07 0.07	-1.88 -1.88 -1.88	-13.68 -7.09 -0.51	0.0 429.20 0.0
168	1	509.46 0.0	36.17 -46.97	-5.94e-03 0.02	-23.70 0.0	0.0 86.0 172.0	-0.19 -0.19 -0.19	11.85 0.0 -11.85	-0.48 -0.48 -0.48	0.50 0.50 0.50	36.17 -5.40 -46.97	0.0 509.46 0.0
168	7	391.90 0.0	-9.71 -11.05	-8.12e-03 -3.00e-03	-18.23 0.0	0.0 86.0 172.0	0.61 0.61 0.61	9.11 0.0 -9.11	7.82e-03 7.82e-03 7.82e-03	3.84e-03 3.84e-03 3.84e-03	-11.05 -10.38 -9.71	0.0 391.90 0.0
168	9	509.46 0.0	81.50 -98.03	-6.12e-03 0.02	-23.70 0.0	0.0 86.0 172.0	-1.18 -1.18 -1.18	11.85 0.0 -11.85	-1.04 -1.04 -1.04	0.47 0.47 0.47	81.50 -8.27 -98.03	0.0 509.46 0.0
168	25	391.90 0.0	296.46 -308.72	6.12e-03 0.11	-18.23 0.0	0.0 86.0 172.0	-5.40 -5.40 -5.40	9.11 0.0 -9.11	-3.52 -3.52 -3.52	-6.20 -6.20 -6.20	296.46 -6.13 -308.72	0.0 391.90 0.0
168	26	391.90 0.0	481.97 -487.58	8.72e-03 0.25	-18.23 0.0	0.0 86.0 172.0	-2.91 -2.91 -2.91	9.11 0.0 -9.11	-5.64 -5.64 -5.64	-1.61 -1.61 -1.61	481.97 -2.80 -487.58	0.0 391.90 0.0
168	27	391.90 0.0	427.17 -440.64	-0.02 -0.25	-18.23 0.0	0.0 86.0 172.0	2.83 2.83 2.83	9.11 0.0 -9.11	5.04 5.04 5.04	1.26 1.26 1.26	-440.64 -6.74 427.17	0.0 391.90 0.0
168	48	391.90 0.0	195.09 -197.98	-3.04e-03 0.10	-18.23 0.0	0.0 86.0 172.0	6.32 6.32 6.32	9.11 0.0 -9.11	-2.28 -2.28 -2.28	6.98 6.98 6.98	195.09 -1.45 -197.98	0.0 391.90 0.0
168	49	391.90 0.0	142.58 -159.83	-6.72e-03 -0.13	-18.23 0.0	0.0 86.0 172.0	-6.15 -6.15 -6.15	9.11 0.0 -9.11	1.76 1.76 1.76	-7.74 -7.74 -7.74	-159.83 -8.63 142.58	0.0 391.90 0.0
168	57	391.90 0.0	153.81 -164.70	-2.22e-03 0.05	-18.23 0.0	0.0 86.0 172.0	-2.55 -2.55 -2.55	9.11 0.0 -9.11	-1.85 -1.85 -1.85	-2.97 -2.97 -2.97	153.81 -5.44 -164.70	0.0 391.90 0.0
168	58	391.90 0.0	237.94 -246.37	2.44e-03 0.11	-18.23 0.0	0.0 86.0 172.0	-1.37 -1.37 -1.37	9.11 0.0 -9.11	-2.82 -2.82 -2.82	-0.92 -0.92 -0.92	237.94 -4.21 -246.37	0.0 391.90 0.0
168	59	391.90 0.0	189.89 -201.24	-9.51e-03 -0.13	-18.23 0.0	0.0 86.0 172.0	1.39 1.39 1.39	9.11 0.0 -9.11	2.27 2.27 2.27	0.34 0.34 0.34	-201.24 -5.68 189.89	0.0 391.90 0.0
168	80	391.90 0.0	99.54 -106.88	-3.86e-03 0.04	-18.23 0.0	0.0 86.0 172.0	3.13 3.13 3.13	9.11 0.0 -9.11	-1.20 -1.20 -1.20	2.93 2.93 2.93	99.54 -3.67 -106.88	0.0 391.90 0.0
168	81	391.90 0.0	51.48 -64.29	-5.63e-03 -0.06	-18.23 0.0	0.0 86.0 172.0	-2.96 -2.96 -2.96	9.11 0.0 -9.11	0.67 0.67 0.67	-3.68 -3.68 -3.68	-64.29 -6.41 51.48	0.0 391.90 0.0
168	87	391.90 0.0	27.00 -34.90	-4.46e-03 0.01	-18.23 0.0	0.0 86.0 172.0	-0.13 -0.13 -0.13	9.11 0.0 -9.11	-0.36 -0.36 -0.36	0.30 0.30 0.30	27.00 -3.95 -34.90	0.0 391.90 0.0
168	89	391.90 0.0	1.54 -18.16	-6.68e-03 -4.18e-03	-18.23 0.0	0.0 86.0 172.0	0.38 0.38 0.38	9.11 0.0 -9.11	-0.11 -0.11 -0.11	-0.09 -0.09 -0.09	1.54 -8.31 -18.16	0.0 391.90 0.0
168	91	391.90 0.0	57.22 -68.94	-4.58e-03 0.01	-18.23 0.0	0.0 86.0 172.0	-0.79 -0.79 -0.79	9.11 0.0 -9.11	-0.73 -0.73 -0.73	0.28 0.28 0.28	57.22 -5.86 -68.94	0.0 391.90 0.0
168	98	391.90 0.0	25.27 -32.72	-4.10e-03 -6.31e-03	-18.23 0.0	0.0 86.0 172.0	-0.07 -0.07 -0.07	9.11 0.0 -9.11	-0.34 -0.34 -0.34	-0.26 -0.26 -0.26	25.27 -3.73 -32.72	0.0 391.90 0.0
168	99	391.90 0.0	12.53 -24.35	-5.12e-03 -0.01	-18.23 0.0	0.0 86.0 172.0	0.18 0.18 0.18	9.11 0.0 -9.11	-0.21 -0.21 -0.21	-0.46 -0.46 -0.46	12.53 -5.91 -24.35	0.0 391.90 0.0
168	100	391.90 0.0	31.31 -39.53	-4.13e-03 -6.34e-03	-18.23 0.0	0.0 86.0 172.0	-0.20 -0.20 -0.20	9.11 0.0 -9.11	-0.41 -0.41 -0.41	-0.26 -0.26 -0.26	31.31 -4.11 -39.53	0.0 391.90 0.0
168	105	391.90 0.0	25.27 -32.72	-4.10e-03 -6.31e-03	-18.23 0.0	0.0 86.0 172.0	-0.07 -0.07 -0.07	9.11 0.0 -9.11	-0.34 -0.34 -0.34	-0.26 -0.26 -0.26	25.27 -3.73 -32.72	0.0 391.90 0.0
168	106	391.90 0.0	17.63 -27.70	-4.71e-03 -0.01	-18.23 0.0	0.0 86.0 172.0	0.08 0.08 0.08	9.11 0.0 -9.11	-0.26 -0.26 -0.26	-0.38 -0.38 -0.38	17.63 -5.04 -27.70	0.0 391.90 0.0
169	1	509.46 0.0	232.46 -218.14	4.07e-03 0.03	-23.70 0.0	0.0 86.0 172.0	8.70 8.70 8.70	11.85 0.0 -11.85	-2.62 -2.62 -2.62	0.66 0.66 0.66	232.46 7.16 -218.14	0.0 509.46 0.0
169	7	391.90 0.0	158.98 -146.48	4.00e-03 3.16e-03	-18.23 0.0	0.0 86.0 172.0	2.54 2.54 2.54	9.11 0.0 -9.11	-1.78 -1.78 -1.78	0.70 0.70 0.70	158.98 6.25 -146.48	0.0 391.90 0.0
169	9	509.46 0.0	396.10 -376.40	5.66e-03 0.02	-23.70 0.0	0.0 86.0	18.72 18.72	11.85 0.0	-4.49 -4.49	0.63 0.63	396.10 9.85	0.0 509.46

169	23	391.90	32.34	6.49e-03	-18.23	172.0	18.72	-11.85	-4.49	0.63	-376.40	0.0
		0.0	12.77	-0.27	0.0	0.0	6.03	9.11	0.11	0.37	12.77	0.0
						86.0	6.03	0.0	0.11	0.37	22.55	391.90
						172.0	6.03	-9.11	0.11	0.37	32.34	0.0
169	35	391.90	93.80	-5.25e-03	-18.23	0.0	12.00	9.11	-1.14	2.47	93.80	0.0
		0.0	-99.96	-0.27	0.0	86.0	12.00	0.0	-1.14	2.47	-3.08	391.90
						172.0	12.00	-9.11	-1.14	2.47	-99.96	0.0
169	41	391.90	640.80	0.01	-18.23	0.0	-9.63	9.11	-7.41	-7.20	640.80	0.0
		0.0	-635.45	-0.21	0.0	86.0	-9.63	0.0	-7.41	-7.20	2.68	391.90
						172.0	-9.63	-9.11	-7.41	-7.20	-635.45	0.0
169	44	391.90	319.86	-9.51e-03	-18.23	0.0	22.24	9.11	3.77	7.73	-329.43	0.0
		0.0	-329.43	0.18	0.0	86.0	22.24	0.0	3.77	7.73	-4.79	391.90
						172.0	22.24	-9.11	3.77	7.73	319.86	0.0
169	45	391.90	612.52	0.02	-18.23	0.0	-11.35	9.11	-6.99	-7.73	612.52	0.0
		0.0	-591.83	-0.20	0.0	86.0	-11.35	0.0	-6.99	-7.73	10.35	391.90
						172.0	-11.35	-9.11	-6.99	-7.73	-591.83	0.0
169	55	391.90	80.95	4.68e-03	-18.23	0.0	5.62	9.11	-0.80	0.13	80.95	0.0
		0.0	-56.31	-0.13	0.0	86.0	5.62	0.0	-0.80	0.13	12.32	391.90
						172.0	5.62	-9.11	-0.80	0.13	-56.31	0.0
169	73	391.90	388.01	7.66e-03	-18.23	0.0	-1.35	9.11	-4.48	-3.30	388.01	0.0
		0.0	-382.27	-0.09	0.0	86.0	-1.35	0.0	-4.48	-3.30	2.87	391.90
						172.0	-1.35	-9.11	-4.48	-3.30	-382.27	0.0
169	76	391.90	89.70	-4.12e-03	-18.23	0.0	12.99	9.11	1.05	3.53	-91.69	0.0
		0.0	-91.69	0.07	0.0	86.0	12.99	0.0	1.05	3.53	-0.99	391.90
						172.0	12.99	-9.11	1.05	3.53	89.70	0.0
169	77	391.90	374.78	9.11e-03	-18.23	0.0	-2.09	9.11	-4.28	-3.53	374.78	0.0
		0.0	-361.67	-0.09	0.0	86.0	-2.09	0.0	-4.28	-3.53	6.55	391.90
						172.0	-2.09	-9.11	-4.28	-3.53	-361.67	0.0
169	86	391.90	23.66	-2.47e-03	-18.23	0.0	9.92	9.11	0.26	1.95	-21.08	0.0
		0.0	-21.08	0.10	0.0	86.0	9.92	0.0	0.26	1.95	1.29	391.90
						172.0	9.92	-9.11	0.26	1.95	23.66	0.0
169	89	391.90	157.60	3.76e-03	-18.23	0.0	3.92	9.11	-1.77	0.47	157.60	0.0
		0.0	-147.32	-1.56e-03	0.0	86.0	3.92	0.0	-1.77	0.47	5.14	391.90
						172.0	3.92	-9.11	-1.77	0.47	-147.32	0.0
169	91	391.90	280.43	4.14e-03	-18.23	0.0	13.15	9.11	-3.18	0.42	280.43	0.0
		0.0	-266.65	0.02	0.0	86.0	13.15	0.0	-3.18	0.42	6.89	391.90
						172.0	13.15	-9.11	-3.18	0.42	-266.65	0.0
169	99	391.90	138.80	3.46e-03	-18.23	0.0	4.94	9.11	-1.58	8.24e-03	138.80	0.0
		0.0	-133.22	-0.02	0.0	86.0	4.94	0.0	-1.58	8.24e-03	2.79	391.90
						172.0	4.94	-9.11	-1.58	8.24e-03	-133.22	0.0
169	100	391.90	167.48	3.33e-03	-18.23	0.0	7.55	9.11	-1.91	-9.72e-03	167.48	0.0
		0.0	-161.23	-7.30e-03	0.0	86.0	7.55	0.0	-1.91	-9.72e-03	3.13	391.90
						172.0	7.55	-9.11	-1.91	-9.72e-03	-161.23	0.0
169	103	391.90	154.22	3.11e-03	-18.23	0.0	6.30	9.11	-1.75	0.14	154.22	0.0
		0.0	-147.14	1.54e-03	0.0	86.0	6.30	0.0	-1.75	0.14	3.54	391.90
						172.0	6.30	-9.11	-1.75	0.14	-147.14	0.0
169	105	391.90	145.67	3.12e-03	-18.23	0.0	6.21	9.11	-1.66	-5.63e-03	145.67	0.0
		0.0	-140.13	-7.18e-03	0.0	86.0	6.21	0.0	-1.66	-5.63e-03	2.77	391.90
						172.0	6.21	-9.11	-1.66	-5.63e-03	-140.13	0.0
169	106	391.90	141.55	3.33e-03	-18.23	0.0	5.45	9.11	-1.61	2.69e-03	141.55	0.0
		0.0	-135.99	-0.01	0.0	86.0	5.45	0.0	-1.61	2.69e-03	2.78	391.90
						172.0	5.45	-9.11	-1.61	2.69e-03	-135.99	0.0
170	1	557.96	240.39	-6.31e-03	-24.80	0.0	0.10	12.40	2.70	-2.25	-245.61	0.0
		0.0	-245.61	-0.01	0.0	90.0	0.10	0.0	2.70	-2.25	-2.61	557.96
						180.0	0.10	-12.40	2.70	-2.25	240.39	0.0
170	3	557.96	224.44	-7.81e-03	-24.80	0.0	0.21	12.40	2.52	-3.27	-228.61	0.0
		0.0	-228.61	-0.04	0.0	90.0	0.21	0.0	2.52	-3.27	-2.08	557.96
						180.0	0.21	-12.40	2.52	-3.27	224.44	0.0
170	9	557.96	408.01	-6.67e-03	-24.80	0.0	0.09	12.40	4.58	-3.57	-415.64	0.0
		0.0	-415.64	-0.04	0.0	90.0	0.09	0.0	4.58	-3.57	-3.81	557.96
						180.0	0.09	-12.40	4.58	-3.57	408.01	0.0
170	12	429.20	353.09	-5.15e-03	-19.08	0.0	0.07	9.54	3.96	-2.94	-360.06	0.0
		0.0	-360.06	-0.03	0.0	90.0	0.07	0.0	3.96	-2.94	-3.48	429.20
						180.0	0.07	-9.54	3.96	-2.94	353.09	0.0
170	15	557.96	266.48	-6.36e-03	-24.80	0.0	0.11	12.40	3.00	-2.22	-273.51	0.0
		0.0	-273.51	5.10e-03	0.0	90.0	0.11	0.0	3.00	-2.22	-3.52	557.96
						180.0	0.11	-12.40	3.00	-2.22	266.48	0.0
170	23	429.20	44.31	-9.09e-03	-19.08	0.0	-1.94	9.54	0.59	0.49	-62.52	0.0
		0.0	-62.52	0.05	0.0	90.0	-1.94	0.0	0.59	0.49	-9.10	429.20
						180.0	-1.94	-9.54	0.59	0.49	44.31	0.0
170	26	429.20	251.58	2.61e-03	-19.08	0.0	2.11	9.54	2.71	-4.34	-236.70	0.0
		0.0	-236.70	-0.13	0.0	90.0	2.11	0.0	2.71	-4.34	7.44	429.20
						180.0	2.11	-9.54	2.71	-4.34	251.58	0.0
170	35	429.20	89.95	2.66e-03	-19.08	0.0	-1.43	9.54	0.98	5.78	-86.10	0.0
		0.0	-86.10	0.26	0.0	90.0	-1.43	0.0	0.98	5.78	1.92	429.20
						180.0	-1.43	-9.54	0.98	5.78	89.95	0.0
170	38	429.20	205.93	-9.13e-03	-19.08	0.0	1.61	9.54	2.33	-9.63	-213.12	0.0

		0.0	-213.12	-0.34	0.0	90.0	1.61	0.0	2.33	-9.63	-3.59	429.20
						180.0	1.61	-9.54	2.33	-9.63	205.93	0.0
170	41	429.20	641.05	-9.17e-03	-19.08	0.0	-0.46	9.54	7.15	-15.64	-645.48	0.0
		0.0	-645.48	-0.57	0.0	90.0	-0.46	0.0	7.15	-15.64	-2.22	429.20
						180.0	-0.46	-9.54	7.15	-15.64	641.05	0.0
170	55	429.20	99.36	-6.73e-03	-19.08	0.0	-0.88	9.54	1.16	-0.75	-109.01	0.0
		0.0	-109.01	7.36e-03	0.0	90.0	-0.88	0.0	1.16	-0.75	-4.83	429.20
						180.0	-0.88	-9.54	1.16	-0.75	99.36	0.0
170	58	429.20	196.52	-3.61e-03	-19.08	0.0	1.06	9.54	2.15	-3.10	-190.21	0.0
		0.0	-190.21	-0.08	0.0	90.0	1.06	0.0	2.15	-3.10	3.16	429.20
						180.0	1.06	-9.54	2.15	-3.10	196.52	0.0
170	67	429.20	119.89	-3.57e-03	-19.08	0.0	-0.64	9.54	1.33	1.57	-118.91	0.0
		0.0	-118.91	0.10	0.0	90.0	-0.64	0.0	1.33	1.57	0.49	429.20
						180.0	-0.64	-9.54	1.33	1.57	119.89	0.0
170	70	429.20	176.00	-6.79e-03	-19.08	0.0	0.82	9.54	1.98	-5.42	-180.32	0.0
		0.0	-180.32	-0.17	0.0	90.0	0.82	0.0	1.98	-5.42	-2.16	429.20
						180.0	0.82	-9.54	1.98	-5.42	176.00	0.0
170	73	429.20	391.52	-6.66e-03	-19.08	0.0	-0.16	9.54	4.37	-7.94	-394.58	0.0
		0.0	-394.58	-0.27	0.0	90.0	-0.16	0.0	4.37	-7.94	-1.53	429.20
						180.0	-0.16	-9.54	4.37	-7.94	391.52	0.0
170	87	429.20	177.22	-4.82e-03	-19.08	0.0	0.07	9.54	1.99	-1.69	-180.92	0.0
		0.0	-180.92	-0.01	0.0	90.0	0.07	0.0	1.99	-1.69	-1.85	429.20
						180.0	0.07	-9.54	1.99	-1.69	177.22	0.0
170	89	429.20	166.58	-5.81e-03	-19.08	0.0	0.15	9.54	1.87	-2.37	-169.58	0.0
		0.0	-169.58	-0.03	0.0	90.0	0.15	0.0	1.87	-2.37	-1.50	429.20
						180.0	0.15	-9.54	1.87	-2.37	166.58	0.0
170	91	429.20	288.96	-5.05e-03	-19.08	0.0	0.07	9.54	3.24	-2.57	-294.27	0.0
		0.0	-294.27	-0.03	0.0	90.0	0.07	0.0	3.24	-2.57	-2.65	429.20
						180.0	0.07	-9.54	3.24	-2.57	288.96	0.0
170	94	429.20	194.61	-4.85e-03	-19.08	0.0	0.08	9.54	2.19	-1.68	-199.52	0.0
		0.0	-199.52	-1.91e-03	0.0	90.0	0.08	0.0	2.19	-1.68	-2.45	429.20
						180.0	0.08	-9.54	2.19	-1.68	194.61	0.0
170	98	429.20	151.13	-4.77e-03	-19.08	0.0	0.06	9.54	1.69	-1.72	-153.01	0.0
		0.0	-153.01	-0.03	0.0	90.0	0.06	0.0	1.69	-1.72	-0.94	429.20
						180.0	0.06	-9.54	1.69	-1.72	151.13	0.0
170	99	429.20	145.82	-5.25e-03	-19.08	0.0	0.10	9.54	1.63	-2.06	-147.34	0.0
		0.0	-147.34	-0.04	0.0	90.0	0.10	0.0	1.63	-2.06	-0.76	429.20
						180.0	0.10	-9.54	1.63	-2.06	145.82	0.0
170	100	429.20	173.48	-4.82e-03	-19.08	0.0	0.06	9.54	1.94	-1.90	-175.68	0.0
		0.0	-175.68	-0.04	0.0	90.0	0.06	0.0	1.94	-1.90	-1.10	429.20
						180.0	0.06	-9.54	1.94	-1.90	173.48	0.0
170	103	429.20	159.83	-4.79e-03	-19.08	0.0	0.07	9.54	1.79	-1.71	-162.31	0.0
		0.0	-162.31	-0.03	0.0	90.0	0.07	0.0	1.79	-1.71	-1.24	429.20
						180.0	0.07	-9.54	1.79	-1.71	159.83	0.0
170	105	429.20	151.13	-4.77e-03	-19.08	0.0	0.06	9.54	1.69	-1.72	-153.01	0.0
		0.0	-153.01	-0.03	0.0	90.0	0.06	0.0	1.69	-1.72	-0.94	429.20
						180.0	0.06	-9.54	1.69	-1.72	151.13	0.0
170	106	429.20	147.94	-5.05e-03	-19.08	0.0	0.09	9.54	1.65	-1.92	-149.61	0.0
		0.0	-149.61	-0.04	0.0	90.0	0.09	0.0	1.65	-1.92	-0.83	429.20
						180.0	0.09	-9.54	1.65	-1.92	147.94	0.0
171	1	509.46	240.20	-6.03e-03	-23.70	0.0	1.47	11.85	-2.86	0.48	240.20	0.0
		0.0	-252.35	0.03	0.0	86.0	1.47	0.0	-2.86	0.48	-6.07	509.46
						172.0	1.47	-11.85	-2.86	0.48	-252.35	0.0
171	7	391.90	168.75	-8.06e-03	-18.23	0.0	-1.88	9.11	-2.03	0.62	168.75	0.0
		0.0	-179.84	3.51e-03	0.0	86.0	-1.88	0.0	-2.03	0.62	-5.54	391.90
						172.0	-1.88	-9.11	-2.03	0.62	-179.84	0.0
171	9	509.46	405.00	-6.28e-03	-23.70	0.0	5.75	11.85	-4.81	0.21	405.00	0.0
		0.0	-423.02	0.02	0.0	86.0	5.75	0.0	-4.81	0.21	-9.01	509.46
						172.0	5.75	-11.85	-4.81	0.21	-423.02	0.0
171	37	391.90	439.80	2.34e-03	-18.23	0.0	18.93	9.11	-5.27	-6.63	439.80	0.0
		0.0	-467.37	0.13	0.0	86.0	18.93	0.0	-5.27	-6.63	-13.78	391.90
						172.0	18.93	-9.11	-5.27	-6.63	-467.37	0.0
171	41	391.90	637.72	-5.45e-03	-18.23	0.0	-11.48	9.11	-7.54	-8.02	637.72	0.0
		0.0	-659.79	-0.21	0.0	86.0	-11.48	0.0	-7.54	-8.02	-11.04	391.90
						172.0	-11.48	-9.11	-7.54	-8.02	-659.79	0.0
171	42	391.90	237.01	4.65e-03	-18.23	0.0	21.12	9.11	2.67	5.31	-222.35	0.0
		0.0	-222.35	0.29	0.0	86.0	21.12	0.0	2.67	5.31	7.33	391.90
						172.0	21.12	-9.11	2.67	5.31	237.01	0.0
171	48	391.90	309.72	-2.85e-03	-18.23	0.0	-23.75	9.11	3.55	6.47	-301.44	0.0
		0.0	-301.44	0.11	0.0	86.0	-23.75	0.0	3.55	6.47	4.14	391.90
						172.0	-23.75	-9.11	3.55	6.47	309.72	0.0
171	49	391.90	591.28	-7.01e-03	-18.23	0.0	23.58	9.11	-7.00	-6.91	591.28	0.0
		0.0	-612.77	-0.14	0.0	86.0	23.58	0.0	-7.00	-6.91	-10.74	391.90
						172.0	23.58	-9.11	-7.00	-6.91	-612.77	0.0
171	58	391.90	182.17	2.82e-03	-18.23	0.0	10.07	9.11	-2.11	-1.05	182.17	0.0
		0.0	-181.48	0.11	0.0	86.0	10.07	0.0	-2.11	-1.05	0.35	391.90
						172.0	10.07	-9.11	-2.11	-1.05	-181.48	0.0

171	69	391.90	289.72	-3.11e-03	-18.23	0.0	8.97	9.11	-3.46	-3.10	289.72	0.0
		0.0	-306.38	0.06	0.0	86.0	8.97	0.0	-3.46	-3.10	-8.33	391.90
						172.0	8.97	-9.11	-3.46	-3.10	-306.38	0.0
171	73	391.90	388.39	-5.06e-03	-18.23	0.0	-5.39	9.11	-4.60	-3.83	388.39	0.0
		0.0	-402.55	-0.09	0.0	86.0	-5.39	0.0	-4.60	-3.83	-7.08	391.90
						172.0	-5.39	-9.11	-4.60	-3.83	-402.55	0.0
171	80	391.90	75.07	-3.76e-03	-18.23	0.0	-11.58	9.11	0.87	2.89	-74.41	0.0
		0.0	-74.41	0.04	0.0	86.0	-11.58	0.0	0.87	2.89	0.33	391.90
						172.0	-11.58	-9.11	0.87	2.89	75.07	0.0
171	81	391.90	364.25	-5.76e-03	-18.23	0.0	11.41	9.11	-4.32	-3.32	364.25	0.0
		0.0	-378.12	-0.07	0.0	86.0	11.41	0.0	-4.32	-3.32	-6.93	391.90
						172.0	11.41	-9.11	-4.32	-3.32	-378.12	0.0
171	87	391.90	176.82	-4.52e-03	-18.23	0.0	1.02	9.11	-2.11	0.29	176.82	0.0
		0.0	-185.63	0.02	0.0	86.0	1.02	0.0	-2.11	0.29	-4.41	391.90
						172.0	1.02	-9.11	-2.11	0.29	-185.63	0.0
171	89	391.90	165.09	-6.65e-03	-18.23	0.0	-1.04	9.11	-1.98	0.34	165.09	0.0
		0.0	-174.73	-1.31e-03	0.0	86.0	-1.04	0.0	-1.98	0.34	-4.82	391.90
						172.0	-1.04	-9.11	-1.98	0.34	-174.73	0.0
171	91	391.90	286.68	-4.69e-03	-18.23	0.0	3.88	9.11	-3.41	0.11	286.68	0.0
		0.0	-299.41	0.02	0.0	86.0	3.88	0.0	-3.41	0.11	-6.37	391.90
						172.0	3.88	-9.11	-3.41	0.11	-299.41	0.0
171	98	391.90	148.44	-4.13e-03	-18.23	0.0	0.53	9.11	-1.76	-0.23	148.44	0.0
		0.0	-154.79	-7.44e-03	0.0	86.0	0.53	0.0	-1.76	-0.23	-3.18	391.90
						172.0	0.53	-9.11	-1.76	-0.23	-154.79	0.0
171	99	391.90	142.58	-5.10e-03	-18.23	0.0	-0.50	9.11	-1.70	-0.21	142.58	0.0
		0.0	-149.34	-0.02	0.0	86.0	-0.50	0.0	-1.70	-0.21	-3.38	391.90
						172.0	-0.50	-9.11	-1.70	-0.21	-149.34	0.0
171	100	391.90	170.41	-4.16e-03	-18.23	0.0	1.11	9.11	-2.02	-0.27	170.41	0.0
		0.0	-177.55	-7.58e-03	0.0	86.0	1.11	0.0	-2.02	-0.27	-3.57	391.90
						172.0	1.11	-9.11	-2.02	-0.27	-177.55	0.0
171	105	391.90	148.44	-4.13e-03	-18.23	0.0	0.53	9.11	-1.76	-0.23	148.44	0.0
		0.0	-154.79	-7.44e-03	0.0	86.0	0.53	0.0	-1.76	-0.23	-3.18	391.90
						172.0	0.53	-9.11	-1.76	-0.23	-154.79	0.0
171	106	391.90	144.92	-4.71e-03	-18.23	0.0	-0.08	9.11	-1.72	-0.22	144.92	0.0
		0.0	-151.52	-0.01	0.0	86.0	-0.08	0.0	-1.72	-0.22	-3.30	391.90
						172.0	-0.08	-9.11	-1.72	-0.22	-151.52	0.0
172	1	557.96	256.66	4.71e-03	-24.80	0.0	30.11	12.40	2.74	-2.07	256.66	0.0
		0.0	-236.58	-0.02	0.0	90.0	30.11	0.0	2.74	-2.07	10.04	557.96
						180.0	30.11	-12.40	2.74	-2.07	256.66	0.0
172	7	429.20	183.13	6.87e-03	-19.08	0.0	35.78	9.54	1.93	-1.97	-164.09	0.0
		0.0	-164.09	-0.03	0.0	90.0	35.78	0.0	1.93	-1.97	9.52	429.20
						180.0	35.78	-9.54	1.93	-1.97	183.13	0.0
172	9	557.96	429.33	6.11e-03	-24.80	0.0	62.08	12.40	4.61	-3.34	-400.91	0.0
		0.0	-400.91	-0.04	0.0	90.0	62.08	0.0	4.61	-3.34	14.21	557.96
						180.0	62.08	-12.40	4.61	-3.34	429.33	0.0
172	11	557.96	417.48	8.40e-03	-24.80	0.0	76.88	12.40	4.47	-3.66	-387.41	0.0
		0.0	-387.41	-0.06	0.0	90.0	76.88	0.0	4.47	-3.66	15.04	557.96
						180.0	76.88	-12.40	4.47	-3.66	417.48	0.0
172	19	429.20	232.67	4.10e-03	-19.08	0.0	-1.84	9.54	2.46	-1.47	-211.01	0.0
		0.0	-211.01	0.02	0.0	90.0	-1.84	0.0	2.46	-1.47	10.83	429.20
						180.0	-1.84	-9.54	2.46	-1.47	232.67	0.0
172	23	429.20	103.35	0.01	-19.08	0.0	-702.60	9.54	0.92	0.89	-62.03	0.0
		0.0	-62.03	0.05	0.0	90.0	-702.60	0.0	0.92	0.89	20.66	429.20
						180.0	-702.60	-9.54	0.92	0.89	103.35	0.0
172	26	429.20	201.94	-7.44e-03	-19.08	0.0	792.93	9.54	2.36	-4.29	-223.35	0.0
		0.0	-223.35	-0.13	0.0	90.0	792.93	0.0	2.36	-4.29	-10.70	429.20
						180.0	792.93	-9.54	2.36	-4.29	201.94	0.0
172	27	429.20	90.80	0.01	-19.08	0.0	-711.76	9.54	0.79	1.24	-49.68	0.0
		0.0	-49.68	0.09	0.0	90.0	-711.76	0.0	0.79	1.24	20.56	429.20
						180.0	-711.76	-9.54	0.79	1.24	90.80	0.0
172	30	429.20	214.49	-7.63e-03	-19.08	0.0	802.09	9.54	2.50	-4.64	-235.70	0.0
		0.0	-235.70	-0.16	0.0	90.0	802.09	0.0	2.50	-4.64	-10.61	429.20
						180.0	802.09	-9.54	2.50	-4.64	214.49	0.0
172	41	429.20	644.85	8.57e-03	-19.08	0.0	-33.14	9.54	6.99	-14.36	-614.71	0.0
		0.0	-614.71	-0.57	0.0	90.0	-33.14	0.0	6.99	-14.36	15.07	429.20
						180.0	-33.14	-9.54	6.99	-14.36	644.85	0.0
172	45	429.20	656.33	9.35e-03	-19.08	0.0	-100.16	9.54	7.01	-15.63	-607.59	0.0
		0.0	-607.59	-0.63	0.0	90.0	-100.16	0.0	7.01	-15.63	24.37	429.20
						180.0	-100.16	-9.54	7.01	-15.63	656.33	0.0
172	55	429.20	130.13	8.59e-03	-19.08	0.0	-315.16	9.54	1.31	-0.43	-105.16	0.0
		0.0	-105.16	7.36e-03	0.0	90.0	-315.16	0.0	1.31	-0.43	12.49	429.20
						180.0	-315.16	-9.54	1.31	-0.43	130.13	0.0
172	58	429.20	175.16	-4.06e-03	-19.08	0.0	405.49	9.54	1.97	-2.97	-180.22	0.0
		0.0	-180.22	-0.08	0.0	90.0	405.49	0.0	1.97	-2.97	-2.53	429.20
						180.0	405.49	-9.54	1.97	-2.97	175.16	0.0
172	59	429.20	123.64	8.71e-03	-19.08	0.0	-319.60	9.54	1.24	-0.32	-98.73	0.0
		0.0	-98.73	0.02	0.0	90.0	-319.60	0.0	1.24	-0.32	12.45	429.20

172	62	429.20 0.0	181.65 -186.65	-4.13e-03 -0.10	-19.08 0.0	180.0 0.0 90.0	-319.60 409.93 409.93	-9.54 9.54 0.0	1.24 2.04 2.04	-0.32 -3.08 -3.08	123.64 -186.65 -2.50	0.0 0.0 429.20
172	73	429.20 0.0	395.56 -375.98	5.99e-03 -0.27	-19.08 0.0	180.0 0.0 90.0	409.93 7.59 7.59	-9.54 9.54 0.0	2.04 4.28 4.28	-3.08 -7.26 -7.26	181.65 -375.98 9.79	0.0 0.0 429.20
172	77	429.20 0.0	401.26 -372.83	6.36e-03 -0.29	-19.08 0.0	180.0 0.0 90.0	7.59 -24.80 -24.80	-9.54 9.54 0.0	4.28 4.30 4.30	-7.26 -7.83 -7.83	395.56 -372.83 14.22	0.0 0.0 429.20
172	87	429.20 0.0	188.64 -174.18	3.45e-03 -0.01	-19.08 0.0	180.0 0.0 90.0	-24.80 24.47 24.47	-9.54 9.54 0.0	4.30 2.02 2.02	-7.83 -1.57 -1.57	401.26 -174.18 7.23	0.0 0.0 429.20
172	89	429.20 0.0	177.36 -161.32	5.64e-03 -0.03	-19.08 0.0	180.0 0.0 90.0	24.47 38.56 38.56	-9.54 9.54 0.0	2.02 1.88 1.88	-1.57 -1.87 -1.87	188.64 -161.32 8.02	0.0 0.0 429.20
172	91	429.20 0.0	303.76 -283.73	4.39e-03 -0.03	-19.08 0.0	180.0 0.0 90.0	38.56 45.78 45.78	-9.54 9.54 0.0	1.88 3.26 3.26	-1.87 -2.41 -2.41	177.36 -283.73 10.01	0.0 0.0 429.20
172	93	429.20 0.0	295.86 -274.73	5.92e-03 -0.04	-19.08 0.0	180.0 0.0 90.0	45.78 55.64 55.64	-9.54 9.54 0.0	3.26 3.17 3.17	-2.41 -2.63 -2.63	303.76 -274.73 10.56	0.0 0.0 429.20
172	94	429.20 0.0	210.39 -192.60	3.79e-03 -2.46e-03	-19.08 0.0	180.0 0.0 90.0	55.64 13.49 13.49	-9.54 9.54 0.0	3.17 2.24 2.24	-2.63 -1.54 -1.54	295.86 -192.60 8.89	0.0 0.0 429.20
172	98	429.20 0.0	156.03 -146.55	2.95e-03 -0.03	-19.08 0.0	180.0 0.0 90.0	13.49 40.94 40.94	-9.54 9.54 0.0	2.24 1.68 1.68	-1.54 -1.61 -1.61	210.39 -146.55 4.74	0.0 0.0 429.20
172	99	429.20 0.0	150.39 -140.12	4.04e-03 -0.04	-19.08 0.0	180.0 0.0 90.0	40.94 47.98 47.98	-9.54 9.54 0.0	1.68 1.61 1.61	-1.61 -1.76 -1.76	156.03 -140.12 5.13	0.0 0.0 429.20
172	100	429.20 0.0	179.05 -168.46	3.13e-03 -0.04	-19.08 0.0	180.0 0.0 90.0	47.98 45.20 45.20	-9.54 9.54 0.0	1.61 1.93 1.93	-1.76 -1.77 -1.77	150.39 -168.46 5.30	0.0 0.0 429.20
172	102	429.20 0.0	175.67 -164.60	3.79e-03 -0.04	-19.08 0.0	180.0 0.0 90.0	45.20 49.43 49.43	-9.54 9.54 0.0	1.93 1.89 1.89	-1.77 -1.87 -1.87	179.05 -164.60 5.53	0.0 0.0 429.20
172	103	429.20 0.0	166.90 -155.76	3.12e-03 -0.03	-19.08 0.0	180.0 0.0 90.0	49.43 35.45 35.45	-9.54 9.54 0.0	1.89 1.79 1.79	-1.87 -1.59 -1.59	175.67 -155.76 5.57	0.0 0.0 429.20
172	105	429.20 0.0	156.03 -146.55	2.95e-03 -0.03	-19.08 0.0	180.0 0.0 90.0	35.45 40.94 40.94	-9.54 9.54 0.0	1.79 1.68 1.68	-1.59 -1.61 -1.61	166.90 -146.55 4.74	0.0 0.0 429.20
172	106	429.20 0.0	152.64 -142.69	3.60e-03 -0.04	-19.08 0.0	180.0 0.0 90.0	40.94 45.17 45.17	-9.54 9.54 0.0	1.68 1.64 1.64	-1.61 -1.70 -1.70	156.03 -142.69 4.98	0.0 0.0 429.20
173	5	132.47 0.0	803.86 -816.46	-0.03 -0.01	-10.60 0.0	180.0 0.0 50.0	45.17 20.99 20.99	-9.54 5.30 0.0	1.64 16.20 16.20	-1.70 -4.37 -4.37	152.64 -816.46 -6.30	0.0 0.0 132.47
173	11	172.21 0.0	1556.23 -1600.62	-0.07 -0.06	-13.78 0.0	100.0 0.0 50.0	20.99 40.93 40.93	-5.30 6.89 0.0	16.20 31.57 31.57	-4.37 -11.42 -11.42	803.86 -1600.62 -22.20	0.0 0.0 172.21
173	15	172.21 0.0	1186.48 -1201.14	-0.04 -0.02	-13.78 0.0	100.0 0.0 50.0	40.93 30.96 30.96	-6.89 6.89 0.0	31.57 23.88 23.88	-11.42 -5.88 -5.88	1556.23 -1201.14 -7.33	0.0 0.0 172.21
173	27	132.47 0.0	599.53 -655.15	8.94e-03 0.06	-10.60 0.0	100.0 0.0 50.0	30.96 -49.63 -49.63	-6.89 5.30 0.0	23.88 12.55 12.55	-5.88 -12.55 -12.55	1186.48 -655.15 -27.81	0.0 0.0 132.47
173	28	132.47 0.0	461.78 -466.37	-1.09e-03 0.20	-10.60 0.0	100.0 0.0 50.0	0.0 -97.30 -97.30	-5.30 5.30 0.0	12.55 -9.28 -9.28	-12.55 -10.35 -10.35	599.53 461.78 -2.30	0.0 0.0 132.47
173	29	132.47 0.0	1582.31 -1624.02	-0.06 -0.27	-10.60 0.0	100.0 0.0 50.0	-97.30 126.93 126.93	-5.30 5.30 0.0	-9.28 32.06 32.06	-10.35 0.04 0.04	-466.37 -1624.02 -20.85	0.0 0.0 132.47
173	34	132.47 0.0	1095.62 -1092.15	-0.06 -0.22	-10.60 0.0	100.0 0.0 50.0	0.0 40.93 40.93	-5.30 5.30 0.0	32.06 -21.87 -21.87	0.04 -0.05 -0.05	1582.31 1095.62 1.73	0.0 0.0 132.47
173	51	132.47 0.0	2670.66 -2779.42	-5.45e-03 -0.20	-10.60 0.0	100.0 0.0 50.0	40.93 79.43 79.43	-5.30 5.30 0.0	-21.87 54.49 54.49	-0.05 -10.03 -10.03	-1092.15 -2779.42 -54.38	0.0 0.0 132.47
173	59	132.47 0.0	580.16 -618.97	-0.01 9.45e-03	-10.60 0.0	100.0 0.0 50.0	79.43 -16.15 -16.15	-5.30 5.30 0.0	54.49 11.99 11.99	-10.03 -8.72 -8.72	2670.66 -618.97 -19.40	0.0 0.0 132.47
173	60	132.47 0.0	60.38 -74.46	-0.02 0.08	-10.60 0.0	100.0 0.0 50.0	-16.15 -39.48 -39.48	-5.30 5.30 0.0	11.99 1.35 1.35	-8.72 -7.67 -7.67	580.16 -74.46 -7.04	0.0 0.0 132.47
173	61	132.47	1055.56	-0.04	-10.60	100.0 0.0	-39.48 69.10	-5.30 5.30	1.35 21.43	-7.67 -2.64	60.38 -1087.78	0.0

		0.0	-1087.78	-0.14	0.0	50.0	69.10	0.0	21.43	-2.64	-16.11	132.47
						100.0	69.10	-5.30	21.43	-2.64	1055.56	0.0
173	66	132.47	228.33	-0.04	-10.60	0.0	27.38	5.30	-4.67	-2.71	228.33	0.0
		0.0	-239.48	-0.12	0.0	50.0	27.38	0.0	-4.67	-2.71	-5.58	132.47
						100.0	27.38	-5.30	-4.67	-2.71	-239.48	0.0
173	83	132.47	1586.01	-0.02	-10.60	0.0	46.51	5.30	32.36	-7.50	-1650.37	0.0
		0.0	-1650.37	-0.10	0.0	50.0	46.51	0.0	32.36	-7.50	-32.18	132.47
						100.0	46.51	-5.30	32.36	-7.50	1586.01	0.0
173	87	132.47	725.24	-0.03	-10.60	0.0	19.00	5.30	14.67	-4.72	-741.65	0.0
		0.0	-741.65	-0.02	0.0	50.0	19.00	0.0	14.67	-4.72	-8.21	132.47
						100.0	19.00	-5.30	14.67	-4.72	725.24	0.0
173	93	132.47	1098.13	-0.05	-10.60	0.0	28.88	5.30	22.28	-8.18	-1130.25	0.0
		0.0	-1130.25	-0.04	0.0	50.0	28.88	0.0	22.28	-8.18	-16.06	132.47
						100.0	28.88	-5.30	22.28	-8.18	1098.13	0.0
173	94	132.47	851.63	-0.03	-10.60	0.0	22.23	5.30	17.16	-4.48	-863.92	0.0
		0.0	-863.92	-0.01	0.0	50.0	22.23	0.0	17.16	-4.48	-6.15	132.47
						100.0	22.23	-5.30	17.16	-4.48	851.63	0.0
173	98	132.47	535.67	-0.03	-10.60	0.0	14.14	5.30	10.94	-5.07	-558.25	0.0
		0.0	-558.25	-0.03	0.0	50.0	14.14	0.0	10.94	-5.07	-11.29	132.47
						100.0	14.14	-5.30	10.94	-5.07	535.67	0.0
173	99	132.47	572.84	-0.03	-10.60	0.0	15.26	5.30	11.69	-5.21	-596.37	0.0
		0.0	-596.37	-0.03	0.0	50.0	15.26	0.0	11.69	-5.21	-11.77	132.47
						100.0	15.26	-5.30	11.69	-5.21	572.84	0.0
173	102	132.47	622.14	-0.03	-10.60	0.0	16.48	5.30	12.70	-5.81	-648.16	0.0
		0.0	-648.16	-0.03	0.0	50.0	16.48	0.0	12.70	-5.81	-13.01	132.47
						100.0	16.48	-5.30	12.70	-5.81	622.14	0.0
173	103	132.47	598.86	-0.03	-10.60	0.0	15.76	5.30	12.18	-4.95	-619.38	0.0
		0.0	-619.38	-0.02	0.0	50.0	15.76	0.0	12.18	-4.95	-10.26	132.47
						100.0	15.76	-5.30	12.18	-4.95	598.86	0.0
173	105	132.47	535.67	-0.03	-10.60	0.0	14.14	5.30	10.94	-5.07	-558.25	0.0
		0.0	-558.25	-0.03	0.0	50.0	14.14	0.0	10.94	-5.07	-11.29	132.47
						100.0	14.14	-5.30	10.94	-5.07	535.67	0.0
173	106	132.47	557.97	-0.03	-10.60	0.0	14.81	5.30	11.39	-5.16	-581.12	0.0
		0.0	-581.12	-0.03	0.0	50.0	14.81	0.0	11.39	-5.16	-11.58	132.47
						100.0	14.81	-5.30	11.39	-5.16	557.97	0.0
174	1	8266.16	656.28	0.03	-216.09	0.0	99.77	71.91	-8.67	-0.39	656.28	6215.97
		0.0	-834.78	0.03	0.0	86.0	99.77	-36.14	-8.67	-0.39	-89.25	7754.01
						172.0	99.77	-144.19	-8.67	-0.39	-834.78	0.0
174	5	5957.09	514.33	0.02	-155.27	0.0	85.75	51.52	-6.82	-0.32	514.33	4491.95
		0.0	-658.25	0.03	0.0	86.0	85.75	-26.12	-6.82	-0.32	-71.96	5584.31
						172.0	85.75	-103.75	-6.82	-0.32	-658.25	0.0
174	9	1.508e+04	1016.25	0.05	-401.85	0.0	133.73	136.23	-13.36	-0.55	1016.25	1.113e+04
		0.0	-1281.60	0.03	0.0	86.0	133.73	-64.70	-13.36	-0.55	-132.67	1.420e+04
						172.0	133.74	-265.62	-13.36	-0.55	-1281.60	0.0
174	11	1.508e+04	1063.67	0.05	-401.85	0.0	138.69	136.23	-14.00	-0.75	1063.67	1.113e+04
		0.0	-1343.90	0.02	0.0	86.0	138.69	-64.70	-14.00	-0.75	-140.12	1.420e+04
						172.0	138.69	-265.62	-14.00	-0.75	-1343.90	0.0
174	18	1.167e+04	971.19	0.04	-308.97	0.0	153.57	104.07	-12.87	-0.78	971.19	8671.99
		0.0	-1241.69	0.04	0.0	86.0	153.57	-50.42	-12.87	-0.78	-135.25	1.098e+04
						172.0	153.57	-204.91	-12.87	-0.78	-1241.69	0.0
174	25	6239.87	1729.96	0.03	-161.46	0.0	-49.79	53.19	-21.61	0.43	1729.96	4736.84
		0.0	-1989.92	0.12	0.0	86.0	-49.79	-27.54	-21.61	0.43	-129.98	5839.88
						172.0	-49.79	-108.27	-21.61	0.43	-1989.92	0.0
174	35	6153.07	134.02	-0.01	-161.46	0.0	312.19	53.93	1.33	-0.61	-96.49	4610.59
		0.0	-96.49	-0.29	0.0	86.0	312.19	-26.81	1.33	-0.61	18.77	5776.76
						172.0	312.19	-107.54	1.33	-0.61	134.02	0.0
174	38	6214.33	913.21	0.04	-161.46	0.0	-231.18	53.41	-12.00	0.17	913.21	4699.70
		0.0	-1151.75	0.27	0.0	86.0	-231.18	-27.32	-12.00	0.17	-119.27	5821.31
						172.0	-231.18	-108.06	-12.00	0.17	-1151.75	0.0
174	45	6229.70	2518.93	0.02	-161.46	0.0	139.50	53.28	-32.32	0.86	2518.93	4722.05
		0.0	-3041.60	-0.23	0.0	86.0	139.50	-27.45	-32.32	0.86	-261.34	5832.49
						172.0	139.50	-108.19	-32.32	0.86	-3041.60	0.0
174	51	6204.27	1626.98	-0.01	-161.46	0.0	280.54	53.49	-20.85	0.36	1626.98	4685.07
		0.0	-1958.97	-0.29	0.0	86.0	280.54	-27.24	-20.85	0.36	-166.00	5813.99
						172.0	280.54	-107.97	-20.85	0.36	-1958.97	0.0
174	57	6211.81	1054.01	0.03	-161.46	0.0	-3.06	53.43	-13.29	0.07	1054.01	4696.04
		0.0	-1233.00	0.05	0.0	86.0	-3.06	-27.30	-13.29	0.07	-89.50	5819.48
						172.0	-3.06	-108.03	-13.29	0.07	-1233.00	0.0
174	67	6168.19	168.54	0.02	-161.46	0.0	171.28	53.80	-2.16	-0.39	168.54	4632.59
		0.0	-203.18	-0.15	0.0	86.0	171.28	-26.93	-2.16	-0.39	-17.32	5787.76
						172.0	171.28	-107.67	-2.16	-0.39	-203.18	0.0
174	70	6199.21	648.19	0.03	-161.46	0.0	-90.27	53.54	-8.50	-0.06	648.19	4677.70
		0.0	-814.55	0.12	0.0	86.0	-90.27	-27.20	-8.50	-0.06	-83.18	5810.31
						172.0	-90.27	-107.93	-8.50	-0.06	-814.55	0.0
174	77	6206.51	1441.12	0.02	-161.46	0.0	87.99	53.47	-18.54	0.27	1441.12	4688.32
		0.0	-1748.14	-0.10	0.0	86.0	87.99	-27.26	-18.54	0.27	-153.51	5815.62
						172.0	87.99	-107.99	-18.54	0.27	-1748.14	0.0

174	83	6193.82 0.0	1006.63 -1221.17	0.02 -0.14	-161.46 0.0	0.0 86.0	156.16 156.16	53.58 -27.15	-12.95 -12.95	0.05 0.05	1006.63 -107.27	4669.87 5806.40
						172.0	156.16	-107.88	-12.95	0.05	-1221.17	0.0
174	87	6183.96 0.0	482.33 -612.26	0.02 0.02	-161.46 0.0	0.0 86.0	70.96 70.96	53.66 -27.07	-6.36 -6.36	-0.28 -0.28	482.33 -64.97	4655.53 5799.22
						172.0	70.96	-107.80	-6.36	-0.28	-612.26	0.0
174	91	1.072e+04 0.0	722.31 -910.13	0.03 0.02	-285.30 0.0	0.0 86.0	93.61 93.61	96.55 -46.11	-9.49 -9.49	-0.38 -0.38	722.31 -93.91	7930.20 1.010e+04
						172.0	93.61	-188.76	-9.49	-0.38	-910.13	0.0
174	93	1.072e+04 0.0	753.92 -951.67	0.04 0.01	-285.30 0.0	0.0 86.0	96.91 96.91	96.55 -46.10	-9.92 -9.92	-0.51 -0.51	753.92 -98.88	7930.01 1.010e+04
						172.0	96.91	-188.76	-9.92	-0.51	-951.67	0.0
174	97	8453.70 0.0	692.27 -883.53	0.03 0.03	-223.38 0.0	0.0 86.0	106.83 106.83	75.11 -36.59	-9.16 -9.16	-0.54 -0.54	692.27 -95.63	6292.87 7949.18
						172.0	106.83	-148.28	-9.16	-0.54	-883.53	0.0
174	98	6183.75 0.0	394.82 -491.06	0.02 -8.03e-03	-161.46 0.0	0.0 86.0	39.09 39.09	53.67 -27.07	-5.15 -5.15	-0.16 -0.16	394.82 -48.12	4655.23 5799.07
						172.0	39.09	-107.80	-5.15	-0.16	-491.06	0.0
174	100	7091.65 0.0	442.81 -550.64	0.02 -8.31e-03	-186.23 0.0	0.0 86.0	43.62 43.62	62.24 -30.87	-5.78 -5.78	-0.19 -0.19	442.81 -53.91	5310.16 6659.05
						172.0	43.62	-123.99	-5.78	-0.19	-550.64	0.0
174	102	7091.59 0.0	456.36 -568.44	0.03 -0.01	-186.23 0.0	0.0 86.0	45.03 45.03	62.24 -30.87	-5.96 -5.96	-0.24 -0.24	456.36 -56.04	5310.08 6659.01
						172.0	45.03	-123.99	-5.96	-0.24	-568.44	0.0
174	104	6183.77 0.0	437.53 -549.26	0.02 -3.85e-03	-161.46 0.0	0.0 86.0	51.13 51.13	53.67 -27.07	-5.74 -5.74	-0.26 -0.26	437.53 -55.86	4655.24 5799.08
						172.0	51.13	-107.80	-5.74	-0.26	-549.26	0.0
174	105	6183.75 0.0	394.82 -491.06	0.02 -8.03e-03	-161.46 0.0	0.0 86.0	39.09 39.09	53.67 -27.07	-5.15 -5.15	-0.16 -0.16	394.82 -48.12	4655.23 5799.07
						172.0	39.09	-107.80	-5.15	-0.16	-491.06	0.0
174	106	6183.70 0.0	408.36 -508.86	0.02 -0.01	-161.46 0.0	0.0 86.0	40.50 40.50	53.67 -27.06	-5.33 -5.33	-0.22 -0.22	408.36 -50.25	4655.14 5799.03
						172.0	40.50	-107.80	-5.33	-0.22	-508.86	0.0
175	5	4503.93 0.0	674.80 -457.37	-0.02 6.58e-03	-47.85 0.0	0.0 26.5	74.83 74.83	108.90 84.98	-21.36 -21.36	-0.32 -0.32	674.80 108.72	0.0 2568.94
						53.0	74.83	61.06	-21.36	-0.32	-457.37	4503.93
175	11	1.116e+04 0.0	1365.20 -934.46	-0.06 -4.21e-03	-123.83 0.0	0.0 26.5	120.69 120.69	272.46 210.54	-43.39 -43.39	-0.74 -0.74	1365.20 215.37	0.0 6399.76
						53.0	120.69	148.63	-43.39	-0.74	-934.46	1.116e+04
175	18	8695.76 0.0	1285.28 -873.70	-0.04 5.43e-03	-95.21 0.0	0.0 26.5	133.79 133.79	211.67 164.07	-40.74 -40.74	-0.78 -0.78	1285.28 205.79	0.0 4978.63
						53.0	133.79	116.47	-40.74	-0.78	-873.70	8695.76
175	24	4743.67 0.0	521.82 -475.15	-0.03 -0.03	-49.75 0.0	0.0 26.5	118.17 118.17	114.38 89.50	-18.71 -18.71	-0.87 -0.87	521.82 23.33	0.0 2701.45
						53.0	118.17	64.63	-18.71	-0.87	-475.15	4743.67
175	35	4710.87 0.0	1677.74 -1170.53	-0.03 -0.12	-49.75 0.0	0.0 26.5	303.41 303.41	113.76 88.88	-53.61 -53.61	-0.61 -0.61	1677.74 253.61	0.0 2685.05
						53.0	303.41	64.01	-53.61	-0.61	-1170.53	4710.87
175	38	4625.74 0.0	470.94 -664.37	-0.02 0.11	-49.75 0.0	0.0 26.5	-233.04 -233.04	112.15 87.28	21.29 21.29	0.17 0.17	-664.37 -96.72	0.0 2642.48
						53.0	-233.04	62.40	21.29	0.17	470.94	4625.74
175	43	4639.27 0.0	2112.19 -1427.17	-0.03 -0.15	-49.75 0.0	0.0 26.5	265.94 265.94	112.41 87.53	-66.62 -66.62	0.48 0.48	2112.19 342.51	0.0 2649.25
						53.0	265.94	62.66	-66.62	0.48	-1427.17	4639.27
175	45	4605.76 0.0	1646.28 -1096.49	-0.03 -0.10	-49.75 0.0	0.0 26.5	136.24 136.24	111.78 86.90	-51.66 -51.66	0.86 0.86	1646.28 274.89	0.0 2632.49
						53.0	136.24	62.02	-51.66	0.86	-1096.49	4605.76
175	56	4706.19 0.0	511.75 -408.94	-0.02 -0.02	-49.75 0.0	0.0 26.5	75.26 75.26	113.67 88.80	-17.32 -17.32	-0.52 -0.52	511.75 51.41	0.0 2682.71
						53.0	75.26	63.92	-17.32	-0.52	-408.94	4706.19
175	67	4689.93 0.0	1071.34 -744.41	-0.02 -0.06	-49.75 0.0	0.0 26.5	164.37 164.37	113.37 88.49	-34.20 -34.20	-0.39 -0.39	1071.34 163.47	0.0 2674.58
						53.0	164.37	63.61	-34.20	-0.39	-744.41	4689.93
175	70	4646.67 0.0	44.82 -57.97	-0.02 0.04	-49.75 0.0	0.0 26.5	-94.00 -94.00	112.55 87.67	1.88 1.88	-0.06 -0.06	-57.97 -6.58	0.0 2652.95
						53.0	-94.00	62.80	1.88	-0.06	44.82	4646.67
175	75	4654.16 0.0	1289.59 -873.14	-0.02 -0.07	-49.75 0.0	0.0 26.5	145.91 145.91	112.69 87.81	-40.73 -40.73	0.10 0.10	1289.59 208.22	0.0 2656.70
						53.0	145.91	62.94	-40.73	0.10	-873.14	4654.16
175	77	4637.22 0.0	1066.59 -715.23	-0.02 -0.05	-49.75 0.0	0.0 26.5	83.46 83.46	112.37 87.49	-33.57 -33.57	0.27 0.27	1066.59 175.68	0.0 2648.22
						53.0	83.46	62.62	-33.57	0.27	-715.23	4637.22
175	87	4668.18 0.0	620.77 -422.91	-0.02 2.49e-03	-49.75 0.0	0.0 26.5	61.88 61.88	112.96 88.08	-19.69 -19.69	-0.28 -0.28	620.77 98.93	0.0 2663.71
						53.0	61.88	63.20	-19.69	-0.28	-422.91	4668.18
175	93	7952.18 0.0	964.82 -660.68	-0.04 -3.45e-03	-87.91 0.0	0.0 26.5	84.33 84.33	194.00 150.04	-30.67 -30.67	-0.51 -0.51	964.82 152.07	0.0 4558.51

						53.0	84.33	106.08	-30.67	-0.51	-660.68	7952.18
175	97	6310.15	911.54	-0.03	-68.83	0.0	93.07	153.48	-28.90	-0.53	911.54	0.0
		0.0	-620.17	2.98e-03	0.0	26.5	93.07	119.06	-28.90	-0.53	145.68	3611.09
						53.0	93.07	84.64	-28.90	-0.53	-620.17	6310.15
175	98	4668.28	483.40	-0.02	-49.75	0.0	34.00	112.96	-15.42	-0.16	483.40	0.0
		0.0	-333.63	-5.45e-03	0.0	26.5	34.00	88.08	-15.42	-0.16	74.89	2663.75
						53.0	34.00	63.20	-15.42	-0.16	-333.63	4668.28
175	102	5325.09	564.63	-0.03	-57.39	0.0	39.12	129.17	-18.01	-0.24	564.63	0.0
		0.0	-389.81	-7.48e-03	0.0	26.5	39.12	100.47	-18.01	-0.24	87.41	3042.72
						53.0	39.12	71.78	-18.01	-0.24	-389.81	5325.09
175	104	4668.27	552.47	-0.02	-49.75	0.0	44.48	112.96	-17.59	-0.26	552.47	0.0
		0.0	-379.55	-4.38e-03	0.0	26.5	44.48	88.08	-17.59	-0.26	86.46	2663.75
						53.0	44.48	63.20	-17.59	-0.26	-379.55	4668.27
175	105	4668.28	483.40	-0.02	-49.75	0.0	34.00	112.96	-15.42	-0.16	483.40	0.0
		0.0	-333.63	-5.45e-03	0.0	26.5	34.00	88.08	-15.42	-0.16	74.89	2663.75
						53.0	34.00	63.20	-15.42	-0.16	-333.63	4668.28
175	106	4668.30	506.69	-0.02	-49.75	0.0	35.19	112.96	-16.16	-0.22	506.69	0.0
		0.0	-349.79	-7.02e-03	0.0	26.5	35.19	88.08	-16.16	-0.22	78.45	2663.77
						53.0	35.19	63.20	-16.16	-0.22	-349.79	4668.30
176	5	3261.15	669.03	-0.03	-153.47	0.0	130.93	76.73	-7.98	-2.14	669.03	0.0
		0.0	-687.19	0.06	0.0	85.0	130.93	0.0	-7.98	-2.14	-9.08	3261.15
						170.0	130.93	-76.73	-7.98	-2.14	-687.19	0.0
176	9	8440.11	1050.96	-0.07	-397.18	0.0	198.11	198.59	-12.51	-5.56	1050.96	0.0
		0.0	-1074.94	0.06	0.0	85.0	198.11	0.0	-12.51	-5.56	-11.99	8440.11
						170.0	198.11	-198.59	-12.51	-5.56	-1074.94	0.0
176	11	8440.11	1107.42	-0.07	-397.18	0.0	208.33	198.59	-13.19	-4.57	1107.42	0.0
		0.0	-1134.61	0.04	0.0	85.0	208.33	0.0	-13.19	-4.57	-13.60	8440.11
						170.0	208.33	-198.59	-13.19	-4.57	-1134.61	0.0
176	18	6489.36	1219.36	-0.05	-305.38	0.0	235.84	152.69	-14.55	-3.38	1219.36	0.0
		0.0	-1253.30	0.08	0.0	85.0	235.84	0.0	-14.55	-3.38	-16.97	6489.36
						170.0	235.84	-152.69	-14.55	-3.38	-1253.30	0.0
176	23	3391.20	2075.69	-0.03	-159.59	0.0	278.51	79.79	-24.54	-1.93	2075.69	0.0
		0.0	-2096.32	-0.46	0.0	85.0	278.51	0.0	-24.54	-1.93	-10.32	3391.20
						170.0	278.51	-79.79	-24.54	-1.93	-2096.32	0.0
176	31	3391.20	2508.58	-0.03	-159.59	0.0	353.29	79.79	-29.64	-2.21	2508.58	0.0
		0.0	-2529.65	-0.41	0.0	85.0	353.29	0.0	-29.64	-2.21	-10.54	3391.20
						170.0	353.29	-79.79	-29.64	-2.21	-2529.65	0.0
176	35	3391.20	2481.13	-0.03	-159.59	0.0	354.61	79.79	-29.34	-2.24	2481.13	0.0
		0.0	-2506.56	-0.44	0.0	85.0	354.61	0.0	-29.34	-2.24	-12.72	3391.20
						170.0	354.61	-79.79	-29.34	-2.24	-2506.56	0.0
176	38	3391.20	1851.97	-0.03	-159.59	0.0	-236.26	79.79	-21.71	-1.12	-1839.00	0.0
		0.0	-1839.00	0.41	0.0	85.0	-236.26	0.0	21.71	-1.12	6.48	3391.20
						170.0	-236.26	-79.79	21.71	-1.12	1851.97	0.0
176	47	3391.20	2158.30	-0.04	-159.59	0.0	309.33	79.79	-25.55	-0.95	2158.30	0.0
		0.0	-2184.44	-1.46	0.0	85.0	309.33	0.0	-25.55	-0.95	-13.07	3391.20
						170.0	309.33	-79.79	-25.55	-0.95	-2184.44	0.0
176	55	3391.20	1168.00	-0.03	-159.59	0.0	165.02	79.79	-13.82	-1.80	1168.00	0.0
		0.0	-1181.14	-0.23	0.0	85.0	165.02	0.0	-13.82	-1.80	-6.57	3391.20
						170.0	165.02	-79.79	-13.82	-1.80	-1181.14	0.0
176	63	3391.20	1377.17	-0.03	-159.59	0.0	200.11	79.79	-16.28	-1.91	1377.17	0.0
		0.0	-1390.46	-0.21	0.0	85.0	200.11	0.0	-16.28	-1.91	-6.64	3391.20
						170.0	200.11	-79.79	-16.28	-1.91	-1390.46	0.0
176	67	3391.20	1364.49	-0.03	-159.59	0.0	200.54	79.79	-16.14	-1.93	1364.49	0.0
		0.0	-1379.91	-0.23	0.0	85.0	200.54	0.0	-16.14	-1.93	-7.71	3391.20
						170.0	200.54	-79.79	-16.14	-1.93	-1379.91	0.0
176	70	3391.20	725.32	-0.03	-159.59	0.0	-82.20	79.79	8.52	-1.44	-722.37	0.0
		0.0	-722.37	0.20	0.0	85.0	-82.20	0.0	8.52	-1.44	1.48	3391.20
						170.0	-82.20	-79.79	8.52	-1.44	725.32	0.0
176	87	3391.20	553.44	-0.03	-159.59	0.0	107.19	79.79	-6.59	-2.13	553.44	0.0
		0.0	-567.43	0.04	0.0	85.0	107.19	0.0	-6.59	-2.13	-7.00	3391.20
						170.0	107.19	-79.79	-6.59	-2.13	-567.43	0.0
176	91	5992.20	735.52	-0.05	-281.99	0.0	138.42	140.99	-8.75	-3.92	735.52	0.0
		0.0	-752.11	0.04	0.0	85.0	138.42	0.0	-8.75	-3.92	-8.29	5992.20
						170.0	138.42	-140.99	-8.75	-3.92	-752.11	0.0
176	93	5992.20	773.16	-0.05	-281.99	0.0	145.24	140.99	-9.21	-3.27	773.16	0.0
		0.0	-791.89	0.03	0.0	85.0	145.24	0.0	-9.21	-3.27	-9.36	5992.20
						170.0	145.24	-140.99	-9.21	-3.27	-791.89	0.0
176	97	4691.70	847.79	-0.04	-220.79	0.0	163.58	110.39	-10.11	-2.48	847.79	0.0
		0.0	-871.01	0.05	0.0	85.0	163.58	0.0	-10.11	-2.48	-11.61	4691.70
						170.0	163.58	-110.39	-10.11	-2.48	-871.01	0.0
176	98	3391.20	304.93	-0.03	-159.59	0.0	56.25	79.79	-3.62	-1.97	304.93	0.0
		0.0	-310.25	-7.68e-03	0.0	85.0	56.25	0.0	-3.62	-1.97	-2.66	3391.20
						170.0	56.25	-79.79	-3.62	-1.97	-310.25	0.0
176	100	3911.40	341.35	-0.03	-184.07	0.0	62.50	92.03	-4.05	-2.32	341.35	0.0
		0.0	-347.18	-7.97e-03	0.0	85.0	62.50	0.0	-4.05	-2.32	-2.92	3911.40
						170.0	62.50	-92.03	-4.05	-2.32	-347.18	0.0
176	102	3911.40	357.48	-0.03	-184.07	0.0	65.42	92.03	-4.25	-2.04	357.48	0.0

		0.0	-364.23	-0.01	0.0	85.0	65.42	0.0	-4.25	-2.04	-3.38	3911.40
						170.0	65.42	-92.03	-4.25	-2.04	-364.23	0.0
176	104	3391.20	403.90	-0.03	-159.59	0.0	76.15	79.79	-4.81	-1.74	403.90	0.0
		0.0	-413.03	6.09e-03	0.0	85.0	76.15	0.0	-4.81	-1.74	-4.56	3391.20
						170.0	76.15	-79.79	-4.81	-1.74	-413.03	0.0
176	105	3391.20	304.93	-0.03	-159.59	0.0	56.25	79.79	-3.62	-1.97	304.93	0.0
		0.0	-310.25	-7.68e-03	0.0	85.0	56.25	0.0	-3.62	-1.97	-2.66	3391.20
						170.0	56.25	-79.79	-3.62	-1.97	-310.25	0.0
176	106	3391.20	321.06	-0.03	-159.59	0.0	59.17	79.79	-3.81	-1.68	321.06	0.0
		0.0	-327.30	-0.01	0.0	85.0	59.17	0.0	-3.81	-1.68	-3.12	3391.20
						170.0	59.17	-79.79	-3.81	-1.68	-327.30	0.0
177	7	1.897e+04	1030.30	-0.58	-370.12	0.0	85.83	185.06	-5.05	-0.97	1030.30	0.0
		0.0	-1039.09	0.50	0.0	205.0	85.83	-4.14e-06	-5.05	-0.97	-4.39	1.897e+04
						410.0	85.83	-185.06	-5.05	-0.97	-1039.09	0.0
177	9	4.909e+04	1132.22	-1.51	-957.91	0.0	180.65	478.95	-5.58	-1.04	1132.22	0.0
		0.0	-1153.78	0.52	0.0	205.0	180.65	4.48e-06	-5.58	-1.04	-10.78	4.909e+04
						410.0	180.65	-478.95	-5.58	-1.04	-1153.78	0.0
177	18	3.775e+04	1585.13	-1.16	-736.51	0.0	158.88	368.25	-7.77	-1.30	1585.13	0.0
		0.0	-1602.59	0.81	0.0	205.0	158.88	0.0	-7.77	-1.30	-8.73	3.775e+04
						410.0	158.88	-368.25	-7.77	-1.30	-1602.59	0.0
177	23	1.973e+04	2146.29	-0.61	-384.88	0.0	68.05	192.44	-10.50	-0.84	2146.29	0.0
		0.0	-2157.47	0.15	0.0	205.0	68.05	-3.83e-06	-10.50	-0.84	-5.59	1.973e+04
						410.0	68.05	-192.44	-10.50	-0.84	-2157.47	0.0
177	35	1.973e+04	3325.29	-0.61	-384.88	0.0	137.81	192.44	-16.25	-1.72	3325.29	0.0
		0.0	-3338.04	0.72	0.0	205.0	137.81	-3.83e-06	-16.25	-1.72	-6.37	1.973e+04
						410.0	137.81	-192.44	-16.25	-1.72	-3338.04	0.0
177	37	1.973e+04	1553.72	-0.61	-384.88	0.0	-55.97	192.44	7.59	1.72	-1559.63	0.0
		0.0	-1559.63	-0.94	0.0	205.0	-55.97	-3.83e-06	7.59	1.72	-2.96	1.973e+04
						410.0	-55.97	-192.44	7.59	1.72	1553.72	0.0
177	44	1.973e+04	852.05	-0.61	-384.88	0.0	238.21	192.44	4.18	-2.80	-860.72	0.0
		0.0	-860.72	1.12	0.0	205.0	238.21	-3.83e-06	4.18	-2.80	-4.34	1.973e+04
						410.0	238.21	-192.44	4.18	-2.80	852.05	0.0
177	45	1.973e+04	1390.84	-0.61	-384.88	0.0	-96.14	192.44	-6.81	1.86	1390.84	0.0
		0.0	-1399.57	-1.04	0.0	205.0	-96.14	-3.83e-06	-6.81	1.86	-4.36	1.973e+04
						410.0	-96.14	-192.44	-6.81	1.86	-1399.57	0.0
177	55	1.973e+04	1168.89	-0.61	-384.88	0.0	68.96	192.44	-5.73	-0.65	1168.89	0.0
		0.0	-1178.86	0.10	0.0	205.0	68.96	-3.83e-06	-5.73	-0.65	-4.99	1.973e+04
						410.0	68.96	-192.44	-5.73	-0.65	-1178.86	0.0
177	67	1.973e+04	1738.62	-0.61	-384.88	0.0	99.54	192.44	-8.51	-1.01	1738.62	0.0
		0.0	-1749.22	0.34	0.0	205.0	99.54	-3.83e-06	-8.51	-1.01	-5.30	1.973e+04
						410.0	99.54	-192.44	-8.51	-1.01	-1749.22	0.0
177	69	1.973e+04	605.11	-0.61	-384.88	0.0	14.24	192.44	2.97	0.50	-612.52	0.0
		0.0	-612.52	-0.37	0.0	205.0	14.24	-3.83e-06	2.97	0.50	-3.70	1.973e+04
						410.0	14.24	-192.44	2.97	0.50	605.11	0.0
177	76	1.973e+04	263.50	-0.61	-384.88	0.0	148.38	192.44	1.31	-1.49	-272.01	0.0
		0.0	-272.01	0.50	0.0	205.0	148.38	-3.83e-06	1.31	-1.49	-4.25	1.973e+04
						410.0	148.38	-192.44	1.31	-1.49	263.50	0.0
177	77	1.973e+04	802.13	-0.61	-384.88	0.0	-6.31	192.44	-3.93	0.55	802.13	0.0
		0.0	-811.02	-0.42	0.0	205.0	-6.31	-3.83e-06	-3.93	0.55	-4.45	1.973e+04
						410.0	-6.31	-192.44	-3.93	0.55	-811.02	0.0
177	89	1.973e+04	769.34	-0.61	-384.88	0.0	82.64	192.44	-3.77	-0.79	769.34	0.0
		0.0	-778.37	0.35	0.0	205.0	82.64	-3.83e-06	-3.77	-0.79	-4.51	1.973e+04
						410.0	82.64	-192.44	-3.77	-0.79	-778.37	0.0
177	91	3.485e+04	781.15	-1.07	-680.08	0.0	128.53	340.04	-3.85	-0.74	781.15	0.0
		0.0	-796.54	0.35	0.0	205.0	128.53	2.27e-06	-3.85	-0.74	-7.69	3.485e+04
						410.0	128.53	-340.04	-3.85	-0.74	-796.54	0.0
177	97	2.729e+04	1083.09	-0.84	-532.48	0.0	114.02	266.24	-5.31	-0.91	1083.09	0.0
		0.0	-1095.74	0.54	0.0	205.0	114.02	0.0	-5.31	-0.91	-6.33	2.729e+04
						410.0	114.02	-266.24	-5.31	-0.91	-1095.74	0.0
177	99	1.973e+04	286.32	-0.61	-384.88	0.0	70.51	192.44	-1.42	-0.52	286.32	0.0
		0.0	-294.85	0.05	0.0	205.0	70.51	-3.83e-06	-1.42	-0.52	-4.26	1.973e+04
						410.0	70.51	-192.44	-1.42	-0.52	-294.85	0.0
177	100	2.275e+04	256.79	-0.70	-443.92	0.0	80.47	221.96	-1.28	-0.43	256.79	0.0
		0.0	-266.85	0.05	0.0	205.0	80.47	-2.61e-06	-1.28	-0.43	-5.03	2.275e+04
						410.0	80.47	-221.96	-1.28	-0.43	-266.85	0.0
177	104	1.973e+04	408.35	-0.61	-384.88	0.0	75.51	192.44	-2.01	-0.52	408.35	0.0
		0.0	-417.36	0.14	0.0	205.0	75.51	-3.83e-06	-2.01	-0.52	-4.51	1.973e+04
						410.0	75.51	-192.44	-2.01	-0.52	-417.36	0.0
177	105	1.973e+04	233.17	-0.61	-384.88	0.0	71.82	192.44	-1.16	-0.39	233.17	0.0
		0.0	-242.13	0.04	0.0	205.0	71.82	-3.83e-06	-1.16	-0.39	-4.48	1.973e+04
						410.0	71.82	-192.44	-1.16	-0.39	-242.13	0.0
177	106	1.973e+04	265.06	-0.61	-384.88	0.0	71.03	192.44	-1.31	-0.47	265.06	0.0
		0.0	-273.76	0.05	0.0	205.0	71.03	-3.83e-06	-1.31	-0.47	-4.35	1.973e+04
						410.0	71.03	-192.44	-1.31	-0.47	-273.76	0.0
178	1	1.268e+04	1212.36	-0.24	-362.35	0.0	32.15	181.18	-8.76	13.84	1212.36	0.0
		0.0	-1241.03	0.16	0.0	140.0	32.15	-4.04e-06	-8.76	13.84	-14.33	1.268e+04
						280.0	32.15	-181.18	-8.76	13.84	-1241.03	0.0

178	9	2.327e+04	1766.18	-0.40	-664.75	0.0	82.18	332.38	-12.81	24.44	1766.18	0.0
		0.0	-1819.89	0.20	0.0	140.0	82.18	0.0	-12.81	24.44	-26.85	2.327e+04
						280.0	82.18	-332.38	-12.81	24.44	-1819.89	0.0
178	18	1.797e+04	1768.52	-0.33	-513.55	0.0	23.00	256.78	-12.76	18.10	1768.52	0.0
		0.0	-1803.24	0.22	0.0	140.0	23.00	-1.75e-06	-12.76	18.10	-17.36	1.797e+04
						280.0	23.00	-256.78	-12.76	18.10	-1803.24	0.0
178	21	9131.49	1275.18	-0.19	-260.90	0.0	-20.85	130.45	-9.15	8.78	1275.18	0.0
		0.0	-1287.69	0.19	0.0	140.0	-20.85	-3.38e-06	-9.15	8.78	-6.25	9131.49
						280.0	-20.85	-130.45	-9.15	8.78	-1287.69	0.0
178	31	9484.29	2474.82	-0.38	-270.98	0.0	184.82	135.49	-17.72	5.66	2474.82	0.0
		0.0	-2488.32	0.29	0.0	140.0	184.82	-3.23e-06	-17.72	5.66	-6.75	9484.29
						280.0	184.82	-135.49	-17.72	5.66	-2488.32	0.0
178	32	9484.29	1731.06	-0.30	-270.98	0.0	285.49	135.49	-12.41	0.18	1731.06	0.0
		0.0	-1742.88	0.78	0.0	140.0	285.49	-3.23e-06	-12.41	0.18	-5.91	9484.29
						280.0	285.49	-135.49	-12.41	0.18	-1742.88	0.0
178	33	9484.29	495.79	-0.07	-270.98	0.0	-186.45	135.49	3.69	21.86	-536.78	0.0
		0.0	-536.78	-0.74	0.0	140.0	-186.45	-3.23e-06	3.69	21.86	-20.50	9484.29
						280.0	-186.45	-135.49	3.69	21.86	495.79	0.0
178	47	9484.29	2125.41	-0.33	-270.98	0.0	-88.25	135.49	-15.25	18.23	2125.41	0.0
		0.0	-2145.14	-0.56	0.0	140.0	-88.25	-3.23e-06	-15.25	18.23	-9.86	9484.29
						280.0	-88.25	-135.49	-15.25	18.23	-2145.14	0.0
178	52	9484.29	133.69	-0.12	-270.98	0.0	269.84	135.49	1.05	-1.62e-03	-161.35	0.0
		0.0	-161.35	0.76	0.0	140.0	269.84	-3.23e-06	1.05	-1.62e-03	-13.83	9484.29
						280.0	269.84	-135.49	1.05	-1.62e-03	133.69	0.0
178	63	9484.29	1461.11	-0.25	-270.98	0.0	114.88	135.49	-10.50	8.55	1461.11	0.0
		0.0	-1479.84	0.12	0.0	140.0	114.88	-3.23e-06	-10.50	8.55	-9.36	9484.29
						280.0	114.88	-135.49	-10.50	8.55	-1479.84	0.0
178	68	9484.29	1119.02	-0.22	-270.98	0.0	161.78	135.49	-8.06	6.16	1119.02	0.0
		0.0	-1138.65	0.29	0.0	140.0	161.78	-3.23e-06	-8.06	6.16	-9.82	9484.29
						280.0	161.78	-135.49	-8.06	6.16	-1138.65	0.0
178	69	9484.29	75.27	-0.12	-270.98	0.0	-62.74	135.49	-0.66	15.88	75.27	0.0
		0.0	-108.44	-0.25	0.0	140.0	-62.74	-3.23e-06	-0.66	15.88	-16.59	9484.29
						280.0	-62.74	-135.49	-0.66	15.88	-108.44	0.0
178	79	9484.29	1310.76	-0.23	-270.98	0.0	-16.39	135.49	-9.44	14.32	1310.76	0.0
		0.0	-1333.19	-0.22	0.0	140.0	-16.39	-3.23e-06	-9.44	14.32	-11.21	9484.29
						280.0	-16.39	-135.49	-9.44	14.32	-1333.19	0.0
178	84	9484.29	242.23	-0.14	-270.98	0.0	154.75	135.49	-1.83	5.98	242.23	0.0
		0.0	-269.56	0.32	0.0	140.0	154.75	-3.23e-06	-1.83	5.98	-13.67	9484.29
						280.0	154.75	-135.49	-1.83	5.98	-269.56	0.0
178	87	9484.29	875.38	-0.18	-270.98	0.0	27.33	135.49	-6.33	10.49	875.38	0.0
		0.0	-897.53	0.11	0.0	140.0	27.33	-3.23e-06	-6.33	10.49	-11.08	9484.29
						280.0	27.33	-135.49	-6.33	10.49	-897.53	0.0
178	91	1.654e+04	1244.59	-0.29	-472.58	0.0	60.68	236.29	-9.03	17.55	1244.59	0.0
		0.0	-1283.44	0.13	0.0	140.0	60.68	0.0	-9.03	17.55	-19.42	1.654e+04
						280.0	60.68	-236.29	-9.03	17.55	-1283.44	0.0
178	96	9484.29	1061.54	-0.18	-270.98	0.0	4.55	135.49	-7.65	9.79	1061.54	0.0
		0.0	-1079.39	0.14	0.0	140.0	4.55	-3.23e-06	-7.65	9.79	-8.92	9484.29
						280.0	4.55	-135.49	-7.65	9.79	-1079.39	0.0
178	97	1.301e+04	1246.15	-0.24	-371.78	0.0	21.23	185.89	-8.99	13.32	1246.15	0.0
		0.0	-1272.34	0.15	0.0	140.0	21.23	-1.70e-06	-8.99	13.32	-13.10	1.301e+04
						280.0	21.23	-185.89	-8.99	13.32	-1272.34	0.0
178	98	9484.29	596.92	-0.16	-270.98	0.0	52.18	135.49	-4.36	11.14	596.92	0.0
		0.0	-623.81	0.03	0.0	140.0	52.18	-3.23e-06	-4.36	11.14	-13.45	9484.29
						280.0	52.18	-135.49	-4.36	11.14	-623.81	0.0
178	100	1.090e+04	670.76	-0.19	-311.30	0.0	58.85	155.65	-4.90	12.55	670.76	0.0
		0.0	-700.99	0.04	0.0	140.0	58.85	-2.62e-06	-4.90	12.55	-15.12	1.090e+04
						280.0	58.85	-155.65	-4.90	12.55	-700.99	0.0
178	103	9484.29	689.74	-0.17	-270.98	0.0	43.90	135.49	-5.02	10.92	689.74	0.0
		0.0	-715.05	0.06	0.0	140.0	43.90	-3.23e-06	-5.02	10.92	-12.66	9484.29
						280.0	43.90	-135.49	-5.02	10.92	-715.05	0.0
178	104	9484.29	689.96	-0.17	-270.98	0.0	41.23	135.49	-5.02	10.81	689.96	0.0
		0.0	-714.79	0.05	0.0	140.0	41.23	-3.23e-06	-5.02	10.81	-12.41	9484.29
						280.0	41.23	-135.49	-5.02	10.81	-714.79	0.0
178	105	9484.29	596.92	-0.16	-270.98	0.0	52.18	135.49	-4.36	11.14	596.92	0.0
		0.0	-623.81	0.03	0.0	140.0	52.18	-3.23e-06	-4.36	11.14	-13.45	9484.29
						280.0	52.18	-135.49	-4.36	11.14	-623.81	0.0
178	106	9484.29	597.14	-0.16	-270.98	0.0	49.52	135.49	-4.36	11.02	597.14	0.0
		0.0	-623.55	0.03	0.0	140.0	49.52	-3.23e-06	-4.36	11.02	-13.20	9484.29
						280.0	49.52	-135.49	-4.36	11.02	-623.55	0.0
179	4	8048.33	3967.82	7.51e-03	-25.63	0.0	-119.24	-141.81	-23.37	0.76	3967.82	8048.33
		-4322.21	2098.59	-0.02	0.0	40.0	-119.24	-154.63	-23.37	0.76	3033.21	2119.41
						80.0	-119.24	-167.45	-23.37	0.76	2098.59	-4322.21
179	5	2897.55	2615.46	1.56e-03	-19.72	0.0	-72.73	-92.01	-20.23	0.42	2615.46	2897.55
		-5251.75	997.34	4.72e-03	0.0	40.0	-72.73	-101.87	-20.23	0.42	1806.40	-979.91
						80.0	-72.73	-111.73	-20.23	0.42	997.34	-5251.75
179	9	4131.37	4288.54	1.53e-03	-25.63	0.0	-131.35	-244.04	-26.95	0.02	4288.54	4131.37
		-1.642e+04	2132.80	-9.43e-03	0.0	40.0	-131.35	-256.86	-26.95	0.02	3210.67	-5886.59

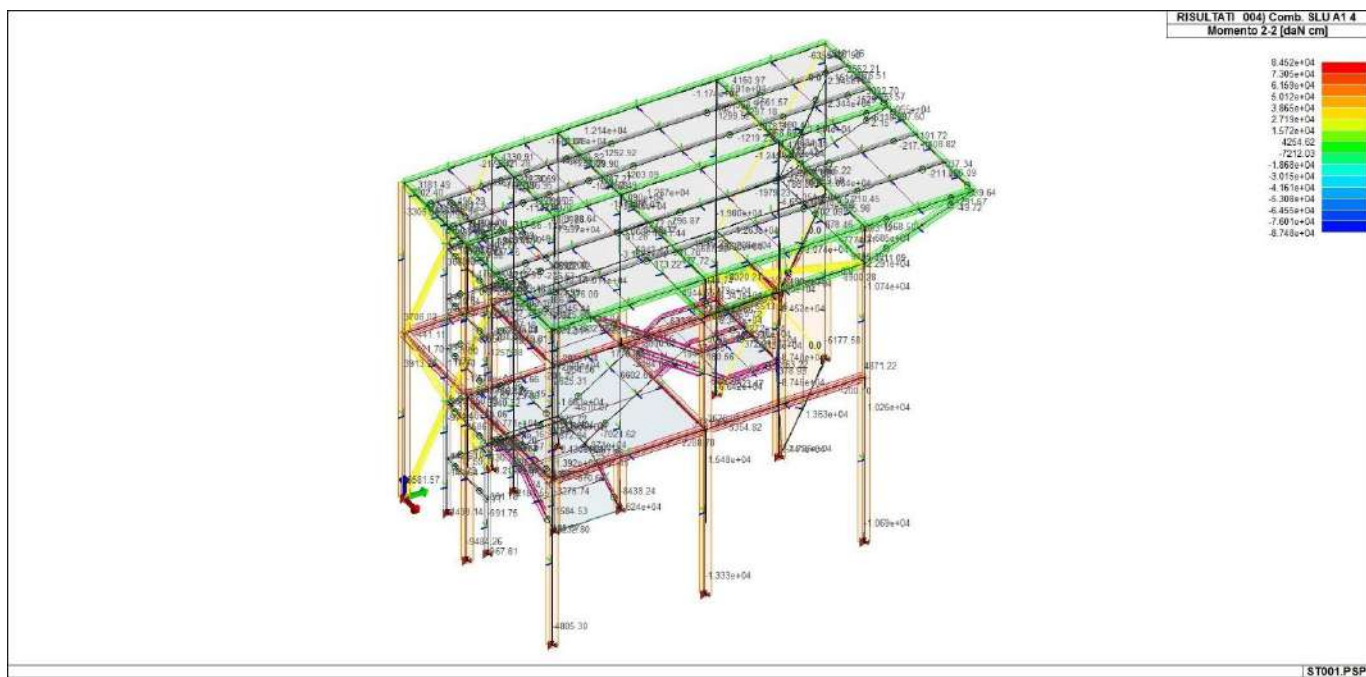
						80.0	-131.35	-269.68	-26.95	0.02	2132.80	-1.642e+04
179	11	6934.95	4479.40	3.85e-03	-25.63	0.0	-136.62	-213.62	-26.10	0.41	4479.40	6934.95
		-1.118e+04	2391.52	-0.02	0.0	40.0	-136.62	-226.44	-26.10	0.41	3435.46	-1866.18
						80.0	-136.62	-239.25	-26.10	0.41	2391.52	-1.118e+04
179	18	7036.92	4754.86	5.18e-03	-25.63	0.0	-129.18	-153.06	-33.59	1.04	4754.86	7036.92
		-6232.89	2067.67	-4.39e-03	0.0	40.0	-129.18	-165.87	-33.59	1.04	3411.26	658.37
						80.0	-129.18	-178.69	-33.59	1.04	2067.67	-6232.89
179	27	-2.816e+04	6419.58	-0.04	-19.72	0.0	-19.53	-602.90	-99.57	2.45	6419.58	-2.816e+04
		-7.717e+04	1788.95	0.05	0.0	40.0	-19.53	-612.76	-99.57	2.45	4104.26	-5.247e+04
						80.0	-19.53	-622.62	-99.57	2.45	1788.95	-7.717e+04
179	30	6.848e+04	169.91	0.05	-19.72	0.0	-94.98	425.58	88.88	-2.72	-3605.51	3.522e+04
		3.522e+04	-3605.51	-0.08	0.0	40.0	-94.98	415.72	88.88	-2.72	-1717.80	5.205e+04
						80.0	-94.98	405.86	88.88	-2.72	169.91	6.848e+04
179	48	1.128e+04	5622.59	8.69e-03	-19.72	0.0	124.92	19.87	67.44	10.90	-3107.45	1.049e+04
		1.049e+04	-3107.45	0.21	0.0	40.0	124.92	10.01	67.44	10.90	1257.57	1.108e+04
						80.0	124.92	0.15	67.44	10.90	5622.59	1.128e+04
179	49	-3420.43	5921.51	3.10e-03	-19.72	0.0	-239.43	-197.18	-78.13	-11.17	5921.51	-3420.43
		-1.998e+04	-3663.73	-0.24	0.0	40.0	-239.43	-207.04	-78.13	-11.17	1128.89	-1.150e+04
						80.0	-239.43	-216.90	-78.13	-11.17	-3663.73	-1.998e+04
179	51	-1.711e+04	8566.93	-0.02	-19.72	0.0	-197.66	-419.35	-132.88	-6.68	8566.93	-1.711e+04
		-5.143e+04	-4239.79	-0.14	0.0	40.0	-197.66	-429.21	-132.88	-6.68	2163.57	-3.407e+04
						80.0	-197.66	-439.07	-132.88	-6.68	-4239.79	-5.143e+04
179	54	4.274e+04	6198.65	0.03	-19.72	0.0	83.15	242.04	122.19	6.41	-5752.86	2.417e+04
		2.417e+04	-5752.86	0.11	0.0	40.0	83.15	232.18	122.19	6.41	222.90	3.365e+04
						80.0	83.15	222.32	122.19	6.41	6198.65	4.274e+04
179	59	-1.173e+04	3824.57	-0.02	-19.72	0.0	-38.97	-336.28	-50.71	1.06	3824.57	-1.173e+04
		-3.942e+04	1355.68	0.01	0.0	40.0	-38.97	-346.14	-50.71	1.06	2590.12	-2.537e+04
						80.0	-38.97	-356.00	-50.71	1.06	1355.68	-3.942e+04
179	62	3.072e+04	603.18	0.02	-19.72	0.0	-75.54	158.96	40.02	-1.33	-1010.51	1.879e+04
		1.879e+04	-1010.51	-0.04	0.0	40.0	-75.54	149.11	40.02	-1.33	-203.66	2.495e+04
						80.0	-75.54	139.25	40.02	-1.33	603.18	3.072e+04
179	80	6803.81	3250.86	5.80e-03	-19.72	0.0	31.88	-37.64	29.81	4.82	-780.50	6803.81
		2999.72	-780.50	0.08	0.0	40.0	31.88	-47.49	29.81	4.82	1235.18	5098.95
						80.0	31.88	-57.35	29.81	4.82	3250.86	2999.72
179	81	261.06	3594.57	2.46e-03	-19.72	0.0	-146.39	-139.68	-40.50	-5.09	3594.57	261.06
		-1.170e+04	-1292.00	-0.11	0.0	40.0	-146.39	-149.54	-40.50	-5.09	1151.28	-5521.01
						80.0	-146.39	-159.40	-40.50	-5.09	-1292.00	-1.170e+04
179	83	-6326.18	4868.81	-8.99e-03	-19.72	0.0	-126.17	-246.64	-66.84	-3.07	4868.81	-6326.18
		-2.684e+04	-1570.08	-0.07	0.0	40.0	-126.17	-256.50	-66.84	-3.07	1649.36	-1.639e+04
						80.0	-126.17	-266.36	-66.84	-3.07	-1570.08	-2.684e+04
179	86	1.814e+04	3528.94	0.02	-19.72	0.0	11.65	69.32	56.15	2.80	-2054.75	1.339e+04
		1.339e+04	-2054.75	0.04	0.0	40.0	11.65	59.46	56.15	2.80	737.10	1.596e+04
						80.0	11.65	49.61	56.15	2.80	3528.94	1.814e+04
179	87	2921.53	2221.33	1.73e-03	-19.72	0.0	-67.94	-95.55	-15.45	0.21	2221.33	2921.53
		-5511.37	985.46	-2.31e-03	0.0	40.0	-67.94	-105.41	-15.45	0.21	1603.40	-1097.73
						80.0	-67.94	-115.27	-15.45	0.21	985.46	-5511.37
179	90	5650.38	2798.69	5.19e-03	-19.72	0.0	-86.06	-105.76	-16.22	0.46	2798.69	5650.38
		-3599.05	1501.07	-0.01	0.0	40.0	-86.06	-115.62	-16.22	0.46	2149.88	1222.86
						80.0	-86.06	-125.48	-16.22	0.46	1501.07	-3599.05
179	91	3039.07	3012.50	1.20e-03	-19.72	0.0	-94.12	-173.91	-18.61	-0.03	3012.50	3039.07
		-1.166e+04	1523.87	-7.74e-03	0.0	40.0	-94.12	-183.77	-18.61	-0.03	2268.19	-4114.47
						80.0	-94.12	-193.63	-18.61	-0.03	1523.87	-1.166e+04
179	93	4908.12	3139.74	2.78e-03	-19.72	0.0	-97.64	-153.63	-18.04	0.23	3139.74	4908.12
		-8170.91	1696.35	-0.01	0.0	40.0	-97.64	-163.49	-18.04	0.23	2418.05	-1434.20
						80.0	-97.64	-173.35	-18.04	0.23	1696.35	-8170.91
179	97	4976.10	3323.38	3.63e-03	-19.72	0.0	-92.68	-113.25	-23.04	0.65	3323.38	4976.10
		-4872.83	1480.45	-3.94e-03	0.0	40.0	-92.68	-123.11	-23.04	0.65	2401.91	248.83
						80.0	-92.68	-132.97	-23.04	0.65	1480.45	-4872.83
179	98	2731.41	1352.50	1.94e-03	-19.72	0.0	-55.75	-97.35	-5.59	-0.25	1352.50	2731.41
		-5845.23	905.51	-0.01	0.0	40.0	-55.75	-107.21	-5.59	-0.25	1129.01	-1359.71
						80.0	-55.75	-117.07	-5.59	-0.25	905.51	-5845.23
179	99	4066.45	1443.39	4.14e-03	-19.72	0.0	-58.26	-82.86	-5.18	-0.06	1443.39	4066.45
		-3351.31	1028.71	-0.02	0.0	40.0	-58.26	-92.72	-5.18	-0.06	1236.05	554.76
						80.0	-58.26	-102.58	-5.18	-0.06	1028.71	-3351.31
179	100	2754.92	1510.74	1.75e-03	-19.72	0.0	-60.99	-113.02	-6.22	-0.30	1510.74	2754.92
		-7075.43	1013.19	-0.01	0.0	40.0	-60.99	-122.88	-6.22	-0.30	1261.96	-1963.06
						80.0	-60.99	-132.74	-6.22	-0.30	1013.19	-7075.43
179	102	3555.94	1565.27	2.75e-03	-19.72	0.0	-62.49	-104.33	-5.98	-0.18	1565.27	3555.94
		-5579.08	1087.11	-0.02	0.0	40.0	-62.49	-114.19	-5.98	-0.18	1326.19	-814.38
						80.0	-62.49	-124.05	-5.98	-0.18	1087.11	-5579.08
179	104	3595.81	1696.64	3.13e-03	-19.72	0.0	-61.32	-88.06	-8.63	0.02	1696.64	3595.81
		-4237.59	1006.08	-0.01	0.0	40.0	-61.32	-97.92	-8.63	0.02	1351.36	-123.70
						80.0	-61.32	-107.78	-8.63	0.02	1006.08	-4237.59
179	105	2731.41	1352.50	1.94e-03	-19.72	0.0	-55.75	-97.35	-5.59	-0.25	1352.50	2731.41
		-5845.23	905.51	-0.01	0.0	40.0	-55.75	-107.21	-5.59	-0.25	1129.01	-1359.71
						80.0	-55.75	-117.07	-5.59	-0.25	905.51	-5845.23
179	106	3532.44	1407.03	3.19e-03	-19.72	0.0	-57.26	-88.66	-5.35	-0.14	1407.03	3532.44

		-4348.87	979.43	-0.02	0.0	40.0	-57.26	-98.52	-5.35	-0.14	1193.23	-211.03
						80.0	-57.26	-108.38	-5.35	-0.14	979.43	-4348.87
180	5	4422.43	2976.30	5.04e-03	-19.72	0.0	-23.28	-132.17	10.83	2.13	2109.95	4422.43
		-6940.05	2109.95	5.26e-03	0.0	40.0	-23.28	-142.03	10.83	2.13	2543.13	-1061.62
						80.0	-23.28	-151.89	10.83	2.13	2976.30	-6940.05
180	11	1.190e+04	5593.61	0.01	-25.63	0.0	-89.22	-321.39	25.20	4.38	3577.36	1.190e+04
		-1.484e+04	3577.36	-0.02	0.0	40.0	-89.22	-334.21	25.20	4.38	4585.49	-1211.27
						80.0	-89.22	-347.03	25.20	4.38	5593.61	-1.484e+04
180	19	3987.04	3751.50	4.61e-03	-19.72	0.0	-10.83	-140.25	11.41	2.32	2838.71	3987.04
		-8021.65	2838.71	0.02	0.0	40.0	-10.83	-150.11	11.41	2.32	3295.11	-1820.11
						80.0	-10.83	-159.97	11.41	2.32	3751.50	-8021.65
180	27	-1.645e+04	4187.74	-0.02	-19.72	0.0	314.05	-732.37	4.70	-5.85	4187.74	-1.645e+04
		-7.582e+04	494.59	0.05	0.0	40.0	314.05	-742.23	4.70	-5.85	2341.17	-4.594e+04
						80.0	314.05	-752.09	4.70	-5.85	494.59	-7.582e+04
180	30	6.434e+04	3353.68	0.03	-19.72	0.0	-409.95	476.57	15.80	8.54	-1979.24	2.701e+04
		2.701e+04	-1979.24	-0.08	0.0	40.0	-409.95	466.71	15.80	8.54	687.22	4.587e+04
						80.0	-409.95	456.85	15.80	8.54	3353.68	6.434e+04
180	43	-6435.25	1.762e+04	6.82e-03	-19.72	0.0	153.65	-453.66	211.39	-4.16	5319.63	-6435.25
		-4.351e+04	5319.63	-0.19	0.0	40.0	153.65	-463.52	211.39	-4.16	1.147e+04	-2.478e+04
						80.0	153.65	-473.38	211.39	-4.16	1.762e+04	-4.351e+04
180	46	3.202e+04	-3111.12	0.02	-19.72	0.0	-249.55	197.86	-190.89	6.84	-3111.12	1.699e+04
		1.699e+04	-1.377e+04	0.16	0.0	40.0	-249.55	188.00	-190.89	6.84	-8441.72	2.470e+04
						80.0	-249.55	178.14	-190.89	6.84	-1.377e+04	3.202e+04
180	59	-5198.25	2593.13	-6.62e-03	-19.72	0.0	126.57	-419.27	7.77	-2.06	2593.13	-5198.25
		-3.953e+04	1255.43	0.01	0.0	40.0	126.57	-429.13	7.77	-2.06	1924.28	-2.216e+04
						80.0	126.57	-438.99	7.77	-2.06	1255.43	-3.953e+04
180	62	2.804e+04	2592.84	0.02	-19.72	0.0	-222.47	163.46	12.73	4.75	-384.63	1.575e+04
		1.575e+04	-384.63	-0.04	0.0	40.0	-222.47	153.61	12.73	4.75	1104.10	2.209e+04
						80.0	-222.47	143.75	12.73	4.75	2592.84	2.804e+04
180	75	-362.15	9581.37	5.12e-03	-19.72	0.0	48.97	-284.74	108.55	-1.12	3141.26	-362.15
		-2.393e+04	3141.26	-0.09	0.0	40.0	48.97	-294.60	108.55	-1.12	6361.31	-1.195e+04
						80.0	48.97	-304.46	108.55	-1.12	9581.37	-2.393e+04
180	78	1.244e+04	-932.76	0.01	-19.72	0.0	-144.87	28.93	-88.05	3.80	-932.76	1.092e+04
		1.092e+04	-5733.10	0.06	0.0	40.0	-144.87	19.08	-88.05	3.80	-3332.93	1.188e+04
						80.0	-144.87	9.22	-88.05	3.80	-5733.10	1.244e+04
180	87	4826.45	2640.51	5.48e-03	-19.72	0.0	-31.16	-132.78	10.78	2.11	1778.26	4826.45
		-6585.09	1778.26	-2.70e-03	0.0	40.0	-31.16	-142.64	10.78	2.11	2209.39	-682.13
						80.0	-31.16	-152.50	10.78	2.11	2640.51	-6585.09
180	93	8511.18	3943.24	9.74e-03	-19.72	0.0	-64.19	-227.79	18.00	3.12	2503.05	8511.18
		-1.050e+04	2503.05	-0.01	0.0	40.0	-64.19	-237.65	18.00	3.12	3223.15	-797.50
						80.0	-64.19	-247.51	18.00	3.12	3943.24	-1.050e+04
180	94	4536.19	3157.31	5.18e-03	-19.72	0.0	-22.86	-138.17	11.17	2.24	2264.10	4536.19
		-7306.16	2264.10	6.90e-03	0.0	40.0	-22.86	-148.03	11.17	2.24	2710.70	-1187.79
						80.0	-22.86	-157.89	11.17	2.24	3157.31	-7306.16
180	98	5261.83	1865.31	5.94e-03	-19.72	0.0	-43.62	-124.71	10.20	1.92	1049.50	5261.83
		-5503.49	1049.50	-0.01	0.0	40.0	-43.62	-134.57	10.20	1.92	1457.41	-76.36
						80.0	-43.62	-144.43	10.20	1.92	1865.31	-5503.49
180	102	6007.11	2157.23	6.97e-03	-19.72	0.0	-52.53	-145.41	11.67	1.81	1223.66	6007.11
		-6414.56	1223.66	-0.02	0.0	40.0	-52.53	-155.27	11.67	1.81	1690.44	-6.53
						80.0	-52.53	-165.13	11.67	1.81	2157.23	-6414.56
180	103	5116.71	2123.71	5.79e-03	-19.72	0.0	-39.47	-127.40	10.39	1.98	1292.42	5116.71
		-5864.03	1292.42	-8.87e-03	0.0	40.0	-39.47	-137.26	10.39	1.98	1708.07	-176.47
						80.0	-39.47	-147.12	10.39	1.98	2123.71	-5864.03
180	104	5132.33	2182.54	6.13e-03	-19.72	0.0	-43.80	-130.59	10.44	1.41	1347.17	5132.33
		-6103.98	1347.17	-0.01	0.0	40.0	-43.80	-140.45	10.44	1.41	1764.85	-288.64
						80.0	-43.80	-150.31	10.44	1.41	2182.54	-6103.98
180	105	5261.83	1865.31	5.94e-03	-19.72	0.0	-43.62	-124.71	10.20	1.92	1049.50	5261.83
		-5503.49	1049.50	-0.01	0.0	40.0	-43.62	-134.57	10.20	1.92	1457.41	-76.36
						80.0	-43.62	-144.43	10.20	1.92	1865.31	-5503.49
180	106	5277.45	1924.14	6.28e-03	-19.72	0.0	-47.95	-127.90	10.25	1.34	1104.25	5277.45
		-5743.45	1104.25	-0.02	0.0	40.0	-47.95	-137.76	10.25	1.34	1514.19	-35.80
						80.0	-47.95	-147.62	10.25	1.34	1924.14	-5743.45
181	4	9913.17	1.090e+04	0.02	-25.63	0.0	-205.34	-640.41	109.19	-17.49	2162.49	9913.17
		-4.234e+04	2162.49	-0.02	0.0	40.0	-205.34	-653.22	109.19	-17.49	6530.00	-1.596e+04
						80.0	-205.34	-666.04	109.19	-17.49	1.090e+04	-4.234e+04
181	9	1.369e+04	1.020e+04	0.03	-25.63	0.0	-126.73	-850.73	91.98	-21.97	2845.37	1.369e+04
		-5.539e+04	2845.37	-0.01	0.0	40.0	-126.73	-863.55	91.98	-21.97	6524.73	-2.060e+04
						80.0	-126.73	-876.37	91.98	-21.97	1.020e+04	-5.539e+04
181	18	8692.28	1.409e+04	0.02	-25.63	0.0	-175.59	-671.92	149.40	-17.72	2139.75	8692.28
		-4.609e+04	2139.75	-7.67e-03	0.0	40.0	-175.59	-684.73	149.40	-17.72	8115.85	-1.844e+04
						80.0	-175.59	-697.55	149.40	-17.72	1.409e+04	-4.609e+04
181	19	2993.63	1.132e+04	0.01	-19.72	0.0	-63.29	-378.59	127.40	-9.92	1128.37	2993.63
		-2.808e+04	1128.37	0.02	0.0	40.0	-63.29	-388.45	127.40	-9.92	6224.44	-1.235e+04
						80.0	-63.29	-398.31	127.40	-9.92	1.132e+04	-2.808e+04
181	21	2792.11	1.242e+04	7.72e-03	-19.72	0.0	-131.38	-362.14	141.82	-9.84	1072.81	2792.11
		-2.697e+04	1072.81	9.61e-03	0.0	40.0	-131.38	-372.00	141.82	-9.84	6745.68	-1.189e+04
						80.0	-131.38	-381.86	141.82	-9.84	1.242e+04	-2.697e+04

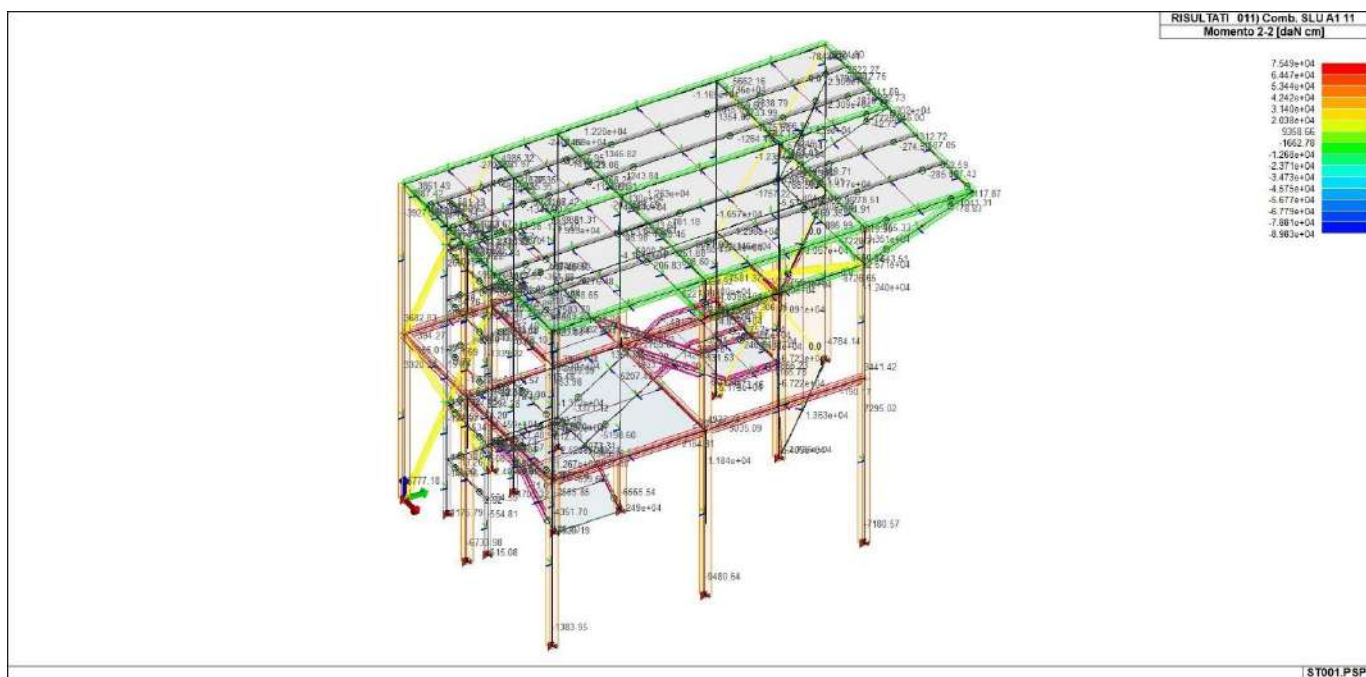
181	27	-2.008e+04	1.853e+04	0.02	-19.72	0.0	-126.00	-813.23	220.32	-17.75	2769.33	-2.008e+04
		-8.592e+04	2769.33	0.05	0.0	40.0	-126.00	-823.09	220.32	-17.75	1.065e+04	-5.280e+04
						80.0	-126.00	-832.95	220.32	-17.75	1.853e+04	-8.592e+04
181	30	4.525e+04	-233.29	0.03	-19.72	0.0	-47.64	163.64	-188.60	-1.67	-233.29	3.295e+04
		3.295e+04	-1.346e+04	-0.08	0.0	40.0	-47.64	153.78	-188.60	-1.67	-6844.74	3.930e+04
						80.0	-47.64	143.92	-188.60	-1.67	-1.346e+04	4.525e+04
181	35	-1.299e+04	2.486e+04	0.01	-19.72	0.0	-131.08	-682.42	300.88	-19.26	3062.67	-1.299e+04
		-6.837e+04	3062.67	0.14	0.0	40.0	-131.08	-692.28	300.88	-19.26	1.396e+04	-4.048e+04
						80.0	-131.08	-702.14	300.88	-19.26	2.486e+04	-6.837e+04
181	38	2.770e+04	-526.63	0.03	-19.72	0.0	-42.57	32.83	-269.15	-0.17	-526.63	2.587e+04
		2.587e+04	-1.979e+04	-0.17	0.0	40.0	-42.57	22.97	-269.15	-0.17	-1.016e+04	2.698e+04
						80.0	-42.57	13.11	-269.15	-0.17	-1.979e+04	2.770e+04
181	52	1.278e+04	-1943.65	-3.49e-03	-19.72	0.0	-182.53	-209.65	-107.97	-5.14	-1943.65	1.278e+04
		-4784.01	-7282.09	0.23	0.0	40.0	-182.53	-219.51	-107.97	-5.14	-4612.87	4194.62
						80.0	-182.53	-229.37	-107.97	-5.14	-7282.09	-4784.01
181	53	93.28	1.236e+04	0.03	-19.72	0.0	8.88	-439.94	139.70	-14.29	4479.69	93.28
		-3.589e+04	4479.69	-0.26	0.0	40.0	8.88	-449.80	139.70	-14.29	8418.10	-1.770e+04
						80.0	8.88	-459.66	139.70	-14.29	1.236e+04	-3.589e+04
181	59	-6310.94	1.025e+04	0.01	-19.72	0.0	-105.55	-559.64	114.53	-13.60	2003.39	-6310.94
		-5.187e+04	2003.39	0.01	0.0	40.0	-105.55	-569.50	114.53	-13.60	6127.35	-2.889e+04
						80.0	-105.55	-579.36	114.53	-13.60	1.025e+04	-5.187e+04
181	62	1.918e+04	532.65	0.02	-19.72	0.0	-68.09	-89.95	-82.80	-5.82	532.65	1.918e+04
		1.120e+04	-5176.91	-0.04	0.0	40.0	-68.09	-99.81	-82.80	-5.82	-2322.13	1.539e+04
						80.0	-68.09	-109.67	-82.80	-5.82	-5176.91	1.120e+04
181	67	-2813.74	1.330e+04	0.01	-19.72	0.0	-107.19	-495.15	153.29	-14.33	2149.36	-2813.74
		-4.321e+04	2149.36	0.05	0.0	40.0	-107.19	-505.01	153.29	-14.33	7723.07	-2.282e+04
						80.0	-107.19	-514.87	153.29	-14.33	1.330e+04	-4.321e+04
181	70	1.569e+04	386.68	0.02	-19.72	0.0	-66.46	-154.44	-121.56	-5.09	386.68	1.569e+04
		2539.90	-8222.37	-0.08	0.0	40.0	-66.46	-164.30	-121.56	-5.09	-3917.85	9310.09
						80.0	-66.46	-174.16	-121.56	-5.09	-8222.37	2539.90
181	84	9458.21	-314.81	4.81e-03	-19.72	0.0	-131.83	-269.89	-44.41	-7.46	-314.81	9458.21
		-1.292e+04	-2227.64	0.09	0.0	40.0	-131.83	-279.75	-44.41	-7.46	-1271.23	-1535.30
						80.0	-131.83	-289.61	-44.41	-7.46	-2227.64	-1.292e+04
181	85	3413.94	7302.05	0.02	-19.72	0.0	-41.82	-379.69	76.14	-11.96	2850.85	3413.94
		-2.775e+04	2850.85	-0.12	0.0	40.0	-41.82	-389.55	76.14	-11.96	5076.45	-1.197e+04
						80.0	-41.82	-399.41	76.14	-11.96	7302.05	-2.775e+04
181	90	7320.02	7517.76	0.01	-19.72	0.0	-144.10	-462.84	74.14	-12.76	1586.76	7320.02
		-3.050e+04	1586.76	-0.01	0.0	40.0	-144.10	-472.70	74.14	-12.76	4552.26	-1.139e+04
						80.0	-144.10	-482.56	74.14	-12.76	7517.76	-3.050e+04
181	91	9837.50	7055.49	0.02	-19.72	0.0	-91.69	-603.05	62.67	-15.75	2042.01	9837.50
		-3.920e+04	2042.01	-8.36e-03	0.0	40.0	-91.69	-612.91	62.67	-15.75	4548.75	-1.448e+04
						80.0	-91.69	-622.77	62.67	-15.75	7055.49	-3.920e+04
181	94	4314.89	8331.88	0.01	-19.72	0.0	-66.42	-370.26	89.07	-10.05	1206.30	4314.89
		-2.609e+04	1206.30	8.05e-03	0.0	40.0	-66.42	-380.12	89.07	-10.05	4769.09	-1.069e+04
						80.0	-66.42	-389.98	89.07	-10.05	8331.88	-2.609e+04
181	96	4180.54	9063.91	9.60e-03	-19.72	0.0	-111.82	-359.29	98.68	-10.00	1169.26	4180.54
		-2.535e+04	1169.26	-4.00e-03	0.0	40.0	-111.82	-369.15	98.68	-10.00	5116.58	-1.039e+04
						80.0	-111.82	-379.01	98.68	-10.00	9063.91	-2.535e+04
181	97	6506.09	9647.39	0.01	-19.72	0.0	-124.27	-483.84	100.95	-12.91	1571.59	6506.09
		-3.299e+04	1571.59	-6.13e-03	0.0	40.0	-124.27	-493.70	100.95	-12.91	5609.49	-1.304e+04
						80.0	-124.27	-503.56	100.95	-12.91	9647.39	-3.299e+04
181	99	6397.69	2746.36	0.01	-19.72	0.0	-99.79	-321.66	18.61	-9.70	1257.44	6397.69
		-2.012e+04	1257.44	-0.02	0.0	40.0	-99.79	-331.52	18.61	-9.70	2001.90	-6665.94
						80.0	-99.79	-341.38	18.61	-9.70	2746.36	-2.012e+04
181	100	7423.88	2456.87	0.02	-19.72	0.0	-72.34	-379.31	12.65	-10.90	1444.83	7423.88
		-2.371e+04	1444.83	-0.01	0.0	40.0	-72.34	-389.17	12.65	-10.90	1950.85	-7945.88
						80.0	-72.34	-399.03	12.65	-10.90	2456.87	-2.371e+04
181	103	6057.90	3445.16	0.01	-19.72	0.0	-67.18	-337.65	27.21	-9.80	1268.38	6057.90
		-2.174e+04	1268.38	-8.48e-03	0.0	40.0	-67.18	-347.51	27.21	-9.80	2356.77	-7645.17
						80.0	-67.18	-357.37	27.21	-9.80	3445.16	-2.174e+04
181	104	6000.32	3758.89	0.01	-19.72	0.0	-86.63	-332.95	31.33	-9.77	1252.50	6000.32
		-2.142e+04	1252.50	-0.01	0.0	40.0	-86.63	-342.81	31.33	-9.77	2505.69	-7514.76
						80.0	-86.63	-352.67	31.33	-9.77	3758.89	-2.142e+04
181	105	6493.66	2223.48	0.01	-19.72	0.0	-67.37	-329.49	11.74	-9.73	1283.89	6493.66
		-2.065e+04	1283.89	-0.01	0.0	40.0	-67.37	-339.35	11.74	-9.73	1753.69	-6883.29
						80.0	-67.37	-349.21	11.74	-9.73	2223.48	-2.065e+04
181	106	6436.08	2537.21	0.01	-19.72	0.0	-86.82	-324.79	15.86	-9.71	1268.02	6436.08
		-2.034e+04	1268.02	-0.02	0.0	40.0	-86.82	-334.65	15.86	-9.71	1902.61	-6752.88
						80.0	-86.82	-344.51	15.86	-9.71	2537.21	-2.034e+04
182	9	1.488e+04	1.503e+04	0.04	-25.63	0.0	-103.12	-1092.31	169.49	-27.36	1470.39	1.488e+04
		-7.353e+04	1470.39	-0.02	0.0	40.0	-103.12	-1105.12	169.49	-27.36	8249.99	-2.907e+04
						80.0	-103.12	-1117.94	169.49	-27.36	1.503e+04	-7.353e+04
182	11	1.551e+04	1.579e+04	0.04	-25.63	0.0	-95.78	-1082.38	178.13	-25.38	1544.15	1.551e+04
		-7.210e+04	1544.15	-0.02	0.0	40.0	-95.78	-1095.20	178.13	-25.38	8669.22	-2.804e+04
						80.0	-95.78	-1108.01	178.13	-25.38	1.579e+04	-7.210e+04
182	18	8350.58	1.789e+04	0.03	-25.63	0.0	-22.47	-918.42	208.29	-18.51	1229.84	8350.58
		-6.615e+04	1229.84	-0.01	0.0	40.0	-22.47	-931.24	208.29	-18.51	9561.52	-2.864e+04

182	19	458.24	1.381e+04	0.02	-19.72	80.0	-22.47	-944.05	208.29	-18.51	1.789e+04	-6.615e+04
		-4.431e+04	614.50	0.02	0.0	0.0	30.08	-549.80	164.95	-10.02	614.50	458.24
						40.0	30.08	-559.66	164.95	-10.02	7212.37	-2.173e+04
182	21	1090.15	1.457e+04	0.02	-19.72	80.0	30.08	-569.52	164.95	-10.02	1.381e+04	-4.431e+04
		-4.289e+04	688.26	7.91e-03	0.0	0.0	37.42	-539.87	173.58	-8.03	688.26	1090.15
						40.0	37.42	-549.73	173.58	-8.03	7631.60	-2.070e+04
182	32	-2.440e+04	1.735e+04	0.02	-19.72	80.0	37.42	-559.59	173.58	-8.03	1.457e+04	-4.289e+04
		-1.123e+05	732.34	0.26	0.0	0.0	-124.39	-1089.45	206.89	-19.39	732.34	-2.440e+04
						40.0	-124.39	-1099.31	206.89	-19.39	9043.13	-6.817e+04
182	33	6.260e+04	613.87	0.04	-19.72	80.0	-124.39	-1109.17	206.89	-19.39	1.735e+04	-1.123e+05
		4.103e+04	-8533.35	-0.30	0.0	0.0	-11.48	279.48	-113.46	-5.17	613.87	4.103e+04
						40.0	-11.48	269.62	-113.46	-5.17	-3959.74	5.201e+04
182	35	-1.144e+04	2.518e+04	0.02	-19.72	80.0	-11.48	259.76	-113.46	-5.17	-8533.35	6.260e+04
		-7.777e+04	3043.74	0.14	0.0	0.0	-79.93	-819.33	310.64	-24.59	3043.74	-1.144e+04
						40.0	-79.93	-829.19	310.64	-24.59	1.411e+04	-4.441e+04
182	38	2.825e+04	-1697.53	0.04	-19.72	80.0	-79.93	-839.05	310.64	-24.59	2.518e+04	-7.777e+04
		2.803e+04	-1.636e+04	-0.17	0.0	0.0	-55.94	9.35	-217.21	0.03	-1697.53	2.807e+04
						40.0	-55.94	-0.50	-217.21	0.03	-9026.30	2.825e+04
182	40	-2.222e+04	-2820.66	0.03	-19.72	80.0	-55.94	-10.36	-217.21	0.03	-1.636e+04	2.803e+04
		-1.062e+05	-5034.40	0.26	0.0	0.0	-154.87	-1039.92	-83.43	-6.48	-2820.66	-2.222e+04
						40.0	-154.87	-1049.78	-83.43	-6.48	-3927.53	-6.401e+04
182	41	5.645e+04	1.385e+04	0.03	-19.72	80.0	-154.87	-1059.64	-83.43	-6.48	-5034.40	-1.062e+05
		3.885e+04	4166.86	-0.29	0.0	0.0	19.00	229.95	176.86	-18.07	4166.86	3.885e+04
						40.0	19.00	220.09	176.86	-18.07	9010.93	4.785e+04
182	56	-6546.79	7191.85	0.02	-19.72	80.0	19.00	210.23	176.86	-18.07	1.385e+04	5.645e+04
		-6.442e+04	432.92	0.07	0.0	0.0	-96.85	-713.53	77.51	-15.20	432.92	-6546.79
						40.0	-96.85	-723.39	77.51	-15.20	3812.38	-3.528e+04
182	57	2.318e+04	1628.74	0.03	-19.72	80.0	-96.85	-733.25	77.51	-15.20	7191.85	-6.442e+04
		1.468e+04	913.29	-0.10	0.0	0.0	-39.01	-96.44	15.92	-9.36	913.29	2.318e+04
						40.0	-39.01	-106.30	15.92	-9.36	1271.01	1.913e+04
182	67	-555.50	1.432e+04	0.02	-19.72	80.0	-39.01	-116.16	15.92	-9.36	1628.74	1.468e+04
		-4.865e+04	1817.58	0.05	0.0	0.0	-72.89	-591.30	172.44	-18.25	1817.58	-555.50
						40.0	-72.89	-601.16	172.44	-18.25	8067.06	-2.440e+04
182	70	1.719e+04	-471.38	0.03	-19.72	80.0	-72.89	-611.02	172.44	-18.25	1.432e+04	-4.865e+04
		-1092.48	-5495.95	-0.09	0.0	0.0	-62.97	-218.67	-79.01	-6.31	-471.38	1.719e+04
						40.0	-62.97	-228.53	-79.01	-6.31	-2983.66	8246.07
182	72	-5388.28	-134.80	0.02	-19.72	80.0	-62.97	-238.39	-79.01	-6.31	-5495.95	-1092.48
		-6.138e+04	-1031.67	0.10	0.0	0.0	-112.34	-690.09	-16.09	-9.46	-1031.67	-5388.28
						40.0	-112.34	-699.95	-16.09	-9.46	-583.24	-3.319e+04
182	73	2.202e+04	8955.39	0.03	-19.72	80.0	-112.34	-709.81	-16.09	-9.46	-134.80	-6.138e+04
		1.164e+04	2377.88	-0.14	0.0	0.0	-23.53	-119.88	109.52	-15.09	2377.88	2.202e+04
						40.0	-23.53	-129.74	109.52	-15.09	5666.63	1.703e+04
182	91	1.080e+04	1.049e+04	0.03	-19.72	80.0	-23.53	-139.60	109.52	-15.09	8955.39	1.164e+04
		-5.180e+04	1054.23	-0.01	0.0	0.0	-76.52	-772.73	117.97	-19.71	1054.23	1.080e+04
						40.0	-76.52	-782.59	117.97	-19.71	5773.06	-2.030e+04
182	93	1.122e+04	1.100e+04	0.03	-19.72	80.0	-76.52	-792.45	117.97	-19.71	1.049e+04	-5.180e+04
		-5.085e+04	1103.40	-0.02	0.0	0.0	-71.63	-766.11	123.73	-18.39	1103.40	1.122e+04
						40.0	-71.63	-775.97	123.73	-18.39	6052.55	-1.962e+04
182	94	3220.26	1.069e+04	0.02	-19.72	80.0	-71.63	-785.83	123.73	-18.39	1.100e+04	-5.085e+04
		-3.855e+04	639.98	6.00e-03	0.0	0.0	-4.85	-512.32	125.64	-11.20	639.98	3220.26
						40.0	-4.85	-522.18	125.64	-11.20	5665.40	-1.747e+04
182	96	3641.53	1.120e+04	0.02	-19.72	80.0	-4.85	-532.04	125.64	-11.20	1.069e+04	-3.855e+04
		-3.760e+04	689.15	-5.87e-03	0.0	0.0	0.04	-505.70	131.39	-9.88	689.15	3641.53
						40.0	0.04	-515.56	131.39	-9.88	5944.89	-1.678e+04
182	97	6449.47	1.240e+04	0.02	-19.72	80.0	0.04	-525.42	131.39	-9.88	1.120e+04	-3.760e+04
		-4.688e+04	893.87	-8.77e-03	0.0	0.0	-22.76	-656.81	143.84	-13.81	893.87	6449.47
						40.0	-22.76	-666.67	143.84	-13.81	6647.42	-2.002e+04
182	100	9259.99	4671.94	0.02	-19.72	80.0	-22.76	-676.53	143.84	-13.81	1.240e+04	-4.688e+04
		-2.899e+04	733.92	-0.02	0.0	0.0	-79.15	-468.26	49.23	-14.41	733.92	9259.99
						40.0	-79.15	-478.12	49.23	-14.41	2702.93	-9667.76
182	102	9440.54	4890.43	0.02	-19.72	80.0	-79.15	-487.98	49.23	-14.41	4671.94	-2.899e+04
		-2.858e+04	754.99	-0.02	0.0	0.0	-77.05	-465.43	51.69	-13.85	754.99	9440.54
						40.0	-77.05	-475.29	51.69	-13.85	2822.71	-9373.77
182	103	7153.51	5491.61	0.02	-19.72	80.0	-77.05	-485.15	51.69	-13.85	4890.43	-2.858e+04
		-2.793e+04	649.62	-0.01	0.0	0.0	-56.99	-428.72	60.52	-12.52	649.62	7153.51
						40.0	-56.99	-438.58	60.52	-12.52	3070.61	-1.019e+04
182	104	7334.05	5710.10	0.02	-19.72	80.0	-56.99	-448.44	60.52	-12.52	5491.61	-2.793e+04
		-2.753e+04	670.69	-0.01	0.0	0.0	-54.90	-425.89	62.99	-11.95	670.69	7334.05
						40.0	-54.90	-435.74	62.99	-11.95	3190.39	-9898.54
182	105	8136.82	4191.81	0.02	-19.72	80.0	-54.90	-445.60	62.99	-11.95	5710.10	-2.753e+04
		-2.528e+04	652.03	-0.01	0.0	0.0	-70.03	-407.82	44.25	-12.84	652.03	8136.82
						40.0	-70.03	-417.68	44.25	-12.84	2421.92	-8373.24
182	106	8317.36	4410.29	0.02	-19.72	80.0	-70.03	-427.54	44.25	-12.84	4191.81	-2.528e+04
		-2.487e+04	673.10	-0.02	0.0	0.0	-67.93	-404.99	46.71	-12.28	673.10	8317.36
						40.0	-67.93	-414.85	46.71	-12.28	2541.70	-8079.25
183	3	1.268e+04	8276.34	-0.05	-25.63	80.0	-67.93	-424.70	46.71	-12.28	4410.29	-2.487e+04
						0.0	5.65	-145.70	83.57	0.0	1590.96	1.268e+04

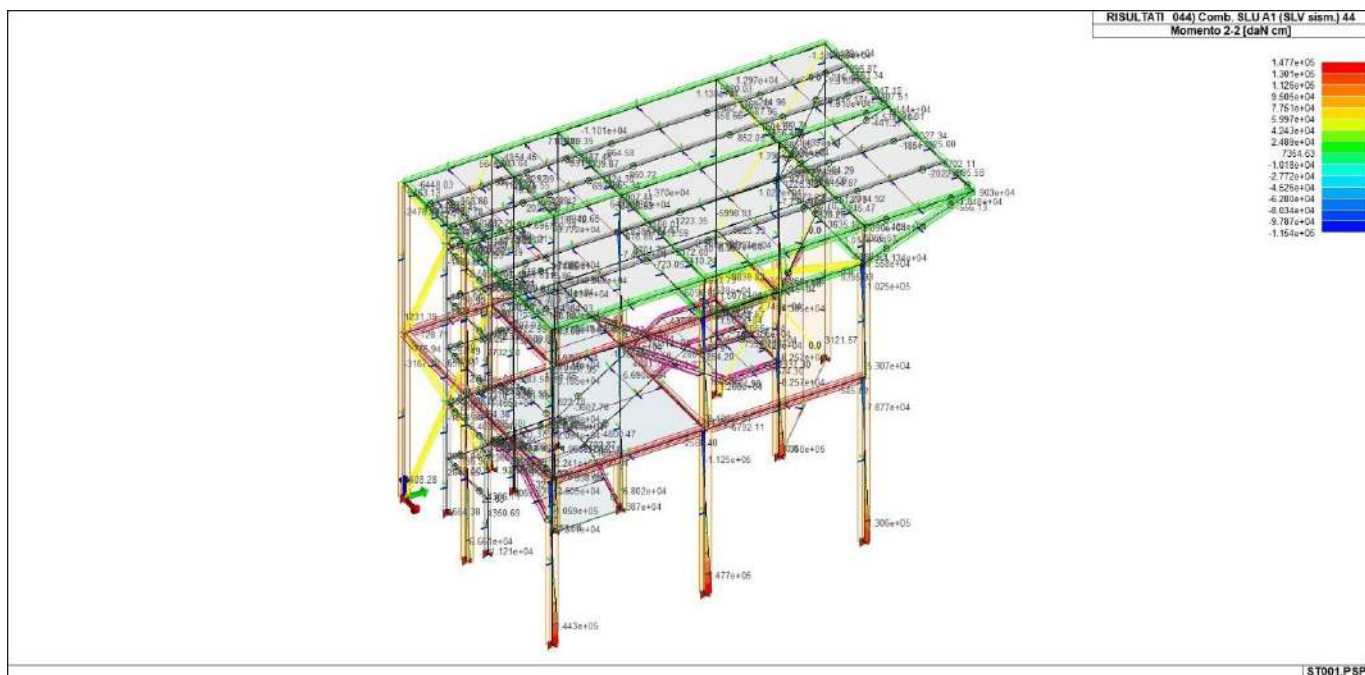
		0.0	1590.96	-0.02	0.0	40.0	5.65	-158.52	83.57	0.0	4933.65	6597.00
						80.0	5.65	-171.33	83.57	0.0	8276.34	0.0
183	9	1.998e+04	1.302e+04	-0.10	-25.63	0.0	-46.90	-236.89	151.32	0.0	911.34	1.998e+04
		0.0	911.34	-0.02	0.0	40.0	-46.90	-249.71	151.32	0.0	6964.03	1.024e+04
						80.0	-46.90	-262.53	151.32	0.0	1.302e+04	0.0
183	21	1.241e+04	7361.90	-0.02	-19.72	0.0	28.69	-145.31	61.26	0.0	2460.74	1.241e+04
		0.0	2460.74	-4.23e-03	0.0	40.0	28.69	-155.16	61.26	0.0	4911.32	6403.78
						80.0	28.69	-165.02	61.26	0.0	7361.90	0.0
183	35	2.087e+04	9210.36	-0.05	-19.72	0.0	383.29	-251.04	143.54	0.0	6695.05	2.087e+04
		0.0	6695.05	0.13	0.0	40.0	383.29	-260.90	143.54	0.0	7952.70	1.063e+04
						80.0	383.29	-270.76	143.54	0.0	9210.36	0.0
183	38	0.0	1090.97	-0.06	-19.72	0.0	-436.58	95.15	-12.21	0.0	-6900.53	-6823.57
		-6823.57	-6900.53	-0.18	0.0	40.0	-436.58	85.29	-12.21	0.0	-2904.78	-3214.60
						80.0	-436.58	75.44	-12.21	0.0	1090.97	0.0
183	44	3.139e+04	1.444e+04	-0.05	-19.72	0.0	-174.39	-382.58	221.46	0.0	-3407.51	3.139e+04
		0.0	-3407.51	0.28	0.0	40.0	-174.39	-392.44	221.46	0.0	5514.15	1.589e+04
						80.0	-174.39	-402.30	221.46	0.0	1.444e+04	0.0
183	45	0.0	3202.03	-0.06	-19.72	0.0	121.10	226.69	-90.12	0.0	3202.03	-1.735e+04
		-1.735e+04	-4134.49	-0.33	0.0	40.0	121.10	216.83	-90.12	0.0	-466.23	-8476.13
						80.0	121.10	206.97	-90.12	0.0	-4134.49	0.0
183	54	1.751e+04	9147.63	-0.05	-19.72	0.0	-396.29	-208.97	139.69	0.0	-7190.53	1.751e+04
		0.0	-7190.53	0.10	0.0	40.0	-396.29	-218.83	139.69	0.0	978.55	8950.54
						80.0	-396.29	-228.69	139.69	0.0	9147.63	0.0
183	67	1.307e+04	6876.08	-0.05	-19.72	0.0	167.50	-153.48	101.10	0.0	3167.23	1.307e+04
		0.0	3167.23	0.05	0.0	40.0	167.50	-163.34	101.10	0.0	5021.66	6730.83
						80.0	167.50	-173.20	101.10	0.0	6876.08	0.0
183	70	980.98	3425.24	-0.06	-19.72	0.0	-220.78	-2.40	30.23	0.0	-3372.71	980.98
		0.0	-3372.71	-0.09	0.0	40.0	-220.78	-12.26	30.23	0.0	26.27	687.68
						80.0	-220.78	-22.12	30.23	0.0	3425.24	0.0
183	76	1.763e+04	9221.52	-0.05	-19.72	0.0	-98.81	-210.52	135.17	0.0	-1673.13	1.763e+04
		0.0	-1673.13	0.11	0.0	40.0	-98.81	-220.38	135.17	0.0	3774.20	9012.32
						80.0	-98.81	-230.24	135.17	0.0	9221.52	0.0
183	77	0.0	1467.65	-0.06	-19.72	0.0	45.53	54.63	-3.83	0.0	1467.65	-3581.99
		-3581.99	1079.80	-0.15	0.0	40.0	45.53	44.77	-3.83	0.0	1273.72	-1593.80
						80.0	45.53	34.92	-3.83	0.0	1079.80	0.0
183	86	1.158e+04	6983.20	-0.05	-19.72	0.0	-203.36	-134.92	99.74	0.0	-3514.92	1.158e+04
		0.0	-3514.92	0.03	0.0	40.0	-203.36	-144.78	99.74	0.0	1734.14	5988.41
						80.0	-203.36	-154.64	99.74	0.0	6983.20	0.0
183	89	9235.73	6098.37	-0.04	-19.72	0.0	0.35	-105.59	63.24	0.0	1038.95	9235.73
		0.0	1038.95	-0.02	0.0	40.0	0.35	-115.45	63.24	0.0	3568.66	4815.06
						80.0	0.35	-125.31	63.24	0.0	6098.37	0.0
183	91	1.410e+04	9258.62	-0.08	-19.72	0.0	-34.69	-166.38	108.41	0.0	585.87	1.410e+04
		0.0	585.87	-0.02	0.0	40.0	-34.69	-176.24	108.41	0.0	4922.25	7246.88
						80.0	-34.69	-186.10	108.41	0.0	9258.62	0.0
183	96	1.079e+04	6730.90	-0.03	-19.72	0.0	8.27	-124.96	64.48	0.0	1572.72	1.079e+04
		0.0	1572.72	-8.03e-03	0.0	40.0	8.27	-134.82	64.48	0.0	4151.81	5590.01
						80.0	8.27	-144.68	64.48	0.0	6730.90	0.0
183	99	7004.43	5150.47	-0.05	-19.72	0.0	-24.02	-77.70	64.92	0.0	-43.43	7004.43
		0.0	-43.43	-0.02	0.0	40.0	-24.02	-87.56	64.92	0.0	2553.52	3699.41
						80.0	-24.02	-97.41	64.92	0.0	5150.47	0.0
183	100	8006.71	5782.81	-0.06	-19.72	0.0	-34.96	-90.22	75.07	0.0	-223.01	8006.71
		0.0	-223.01	-0.02	0.0	40.0	-34.96	-100.08	75.07	0.0	2779.90	4200.55
						80.0	-34.96	-109.94	75.07	0.0	5782.81	0.0
183	104	7784.31	5466.79	-0.05	-19.72	0.0	-20.71	-87.44	65.73	0.0	208.63	7784.31
		0.0	208.63	-0.02	0.0	40.0	-20.71	-97.30	65.73	0.0	2837.71	4089.35
						80.0	-20.71	-107.16	65.73	0.0	5466.79	0.0
183	105	7053.68	5150.95	-0.05	-19.72	0.0	-30.58	-78.31	66.78	0.0	-191.71	7053.68
		0.0	-191.71	-0.02	0.0	40.0	-30.58	-88.17	66.78	0.0	2479.62	3724.03
						80.0	-30.58	-98.03	66.78	0.0	5150.95	0.0
183	106	7024.13	5150.66	-0.05	-19.72	0.0	-26.64	-77.94	65.67	0.0	-102.74	7024.13
		0.0	-102.74	-0.02	0.0	40.0	-26.64	-87.80	65.67	0.0	2523.96	3709.26
						80.0	-26.64	-97.66	65.67	0.0	5150.66	0.0
Trave		M3 mx/mn	M2 mx/mn	D 2 / D 3	Q 2 / Q 3		N	V 2	V 3		T	
		-2.437e+05	-6.924e+04	-2.06	-8079.34		-5573.15	-4006.05	-1187.57		-654.82	
		2.151e+05	5.448e+04	1.81	0.0		5359.37	4073.29	1138.01		784.32	



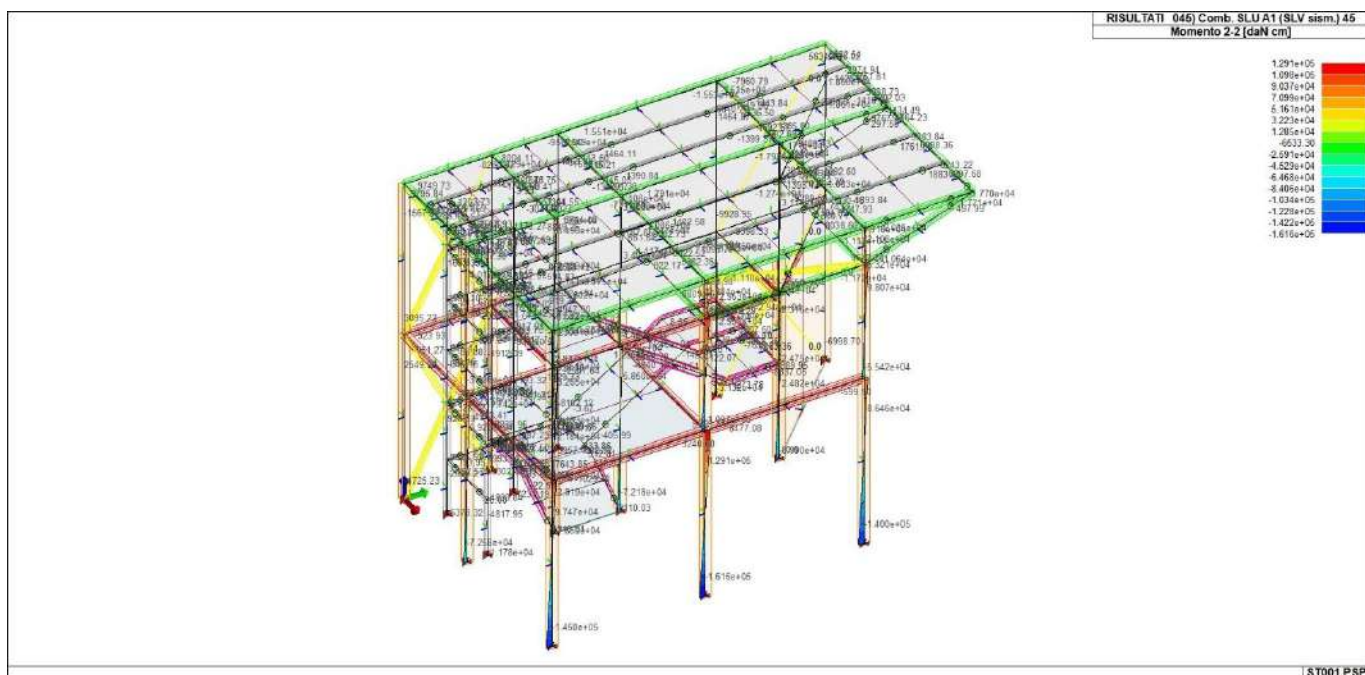
43_RIS_M2_004_Comb SLU A1 4



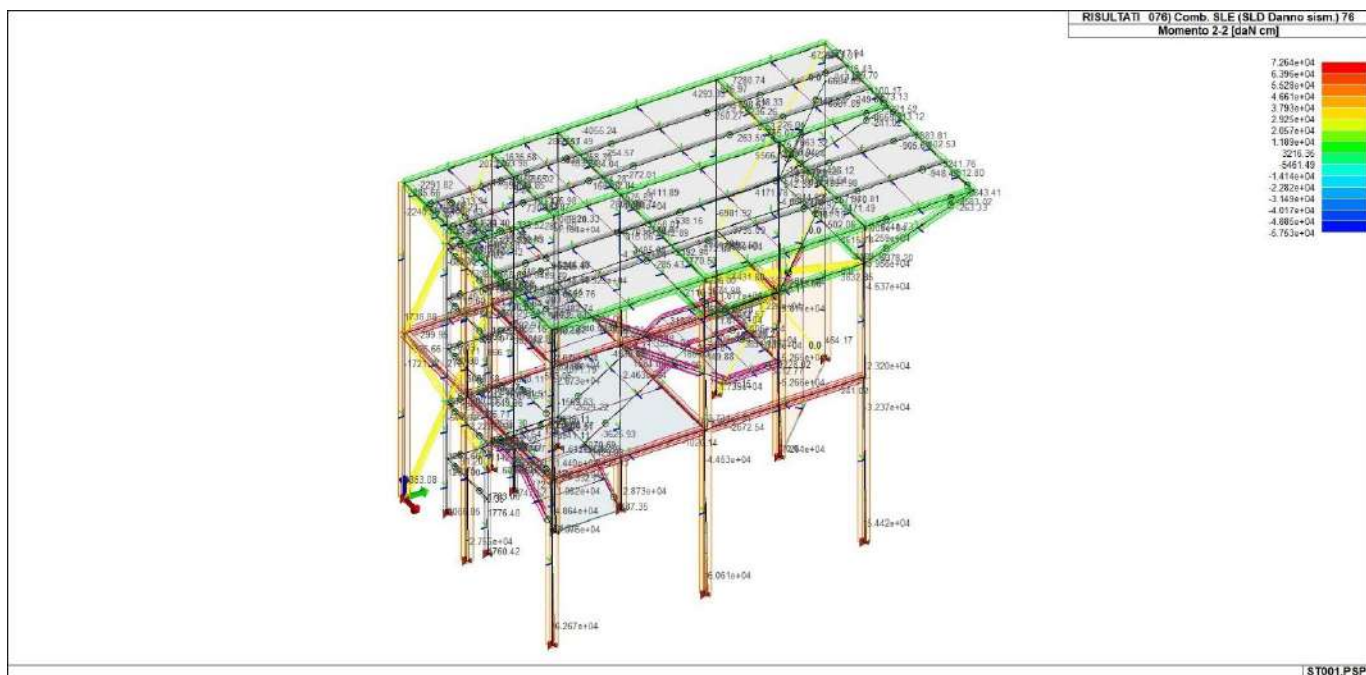
43_RIS_M2_011_Comb SLU A1 11



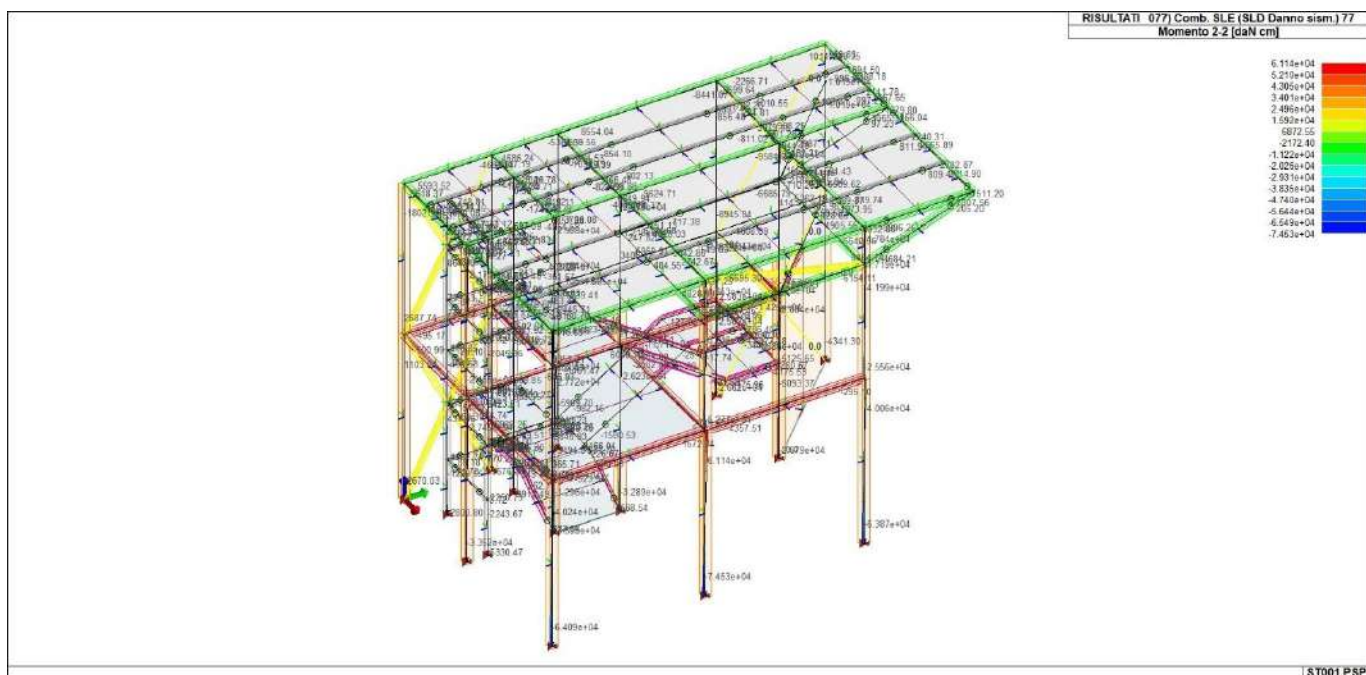
43_RIS_M2_044_Comb SLU A1 SLV sism 44



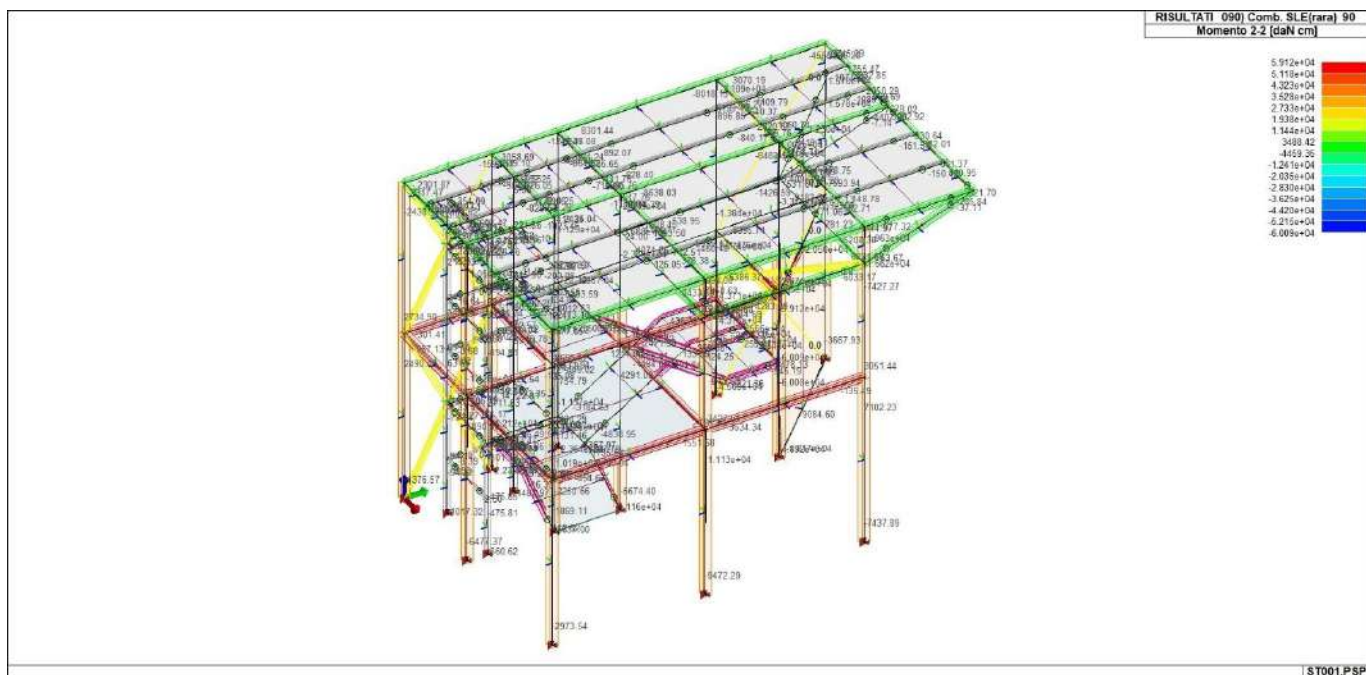
43_RIS_M2_045_Comb SLU A1 SLV sism 45



43_RIS_M2_076_Comb SLE SLD Danno sism 76



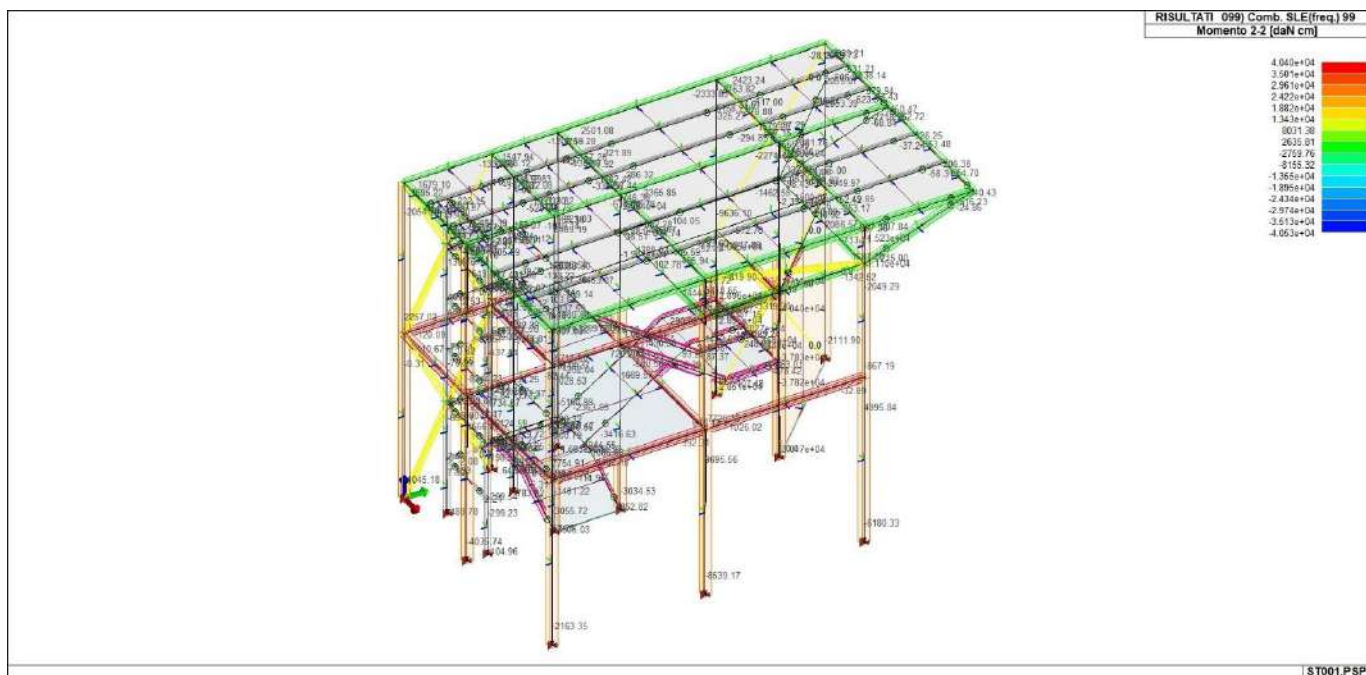
43_RIS_M2_077_Comb SLE SLD Danno sism 77



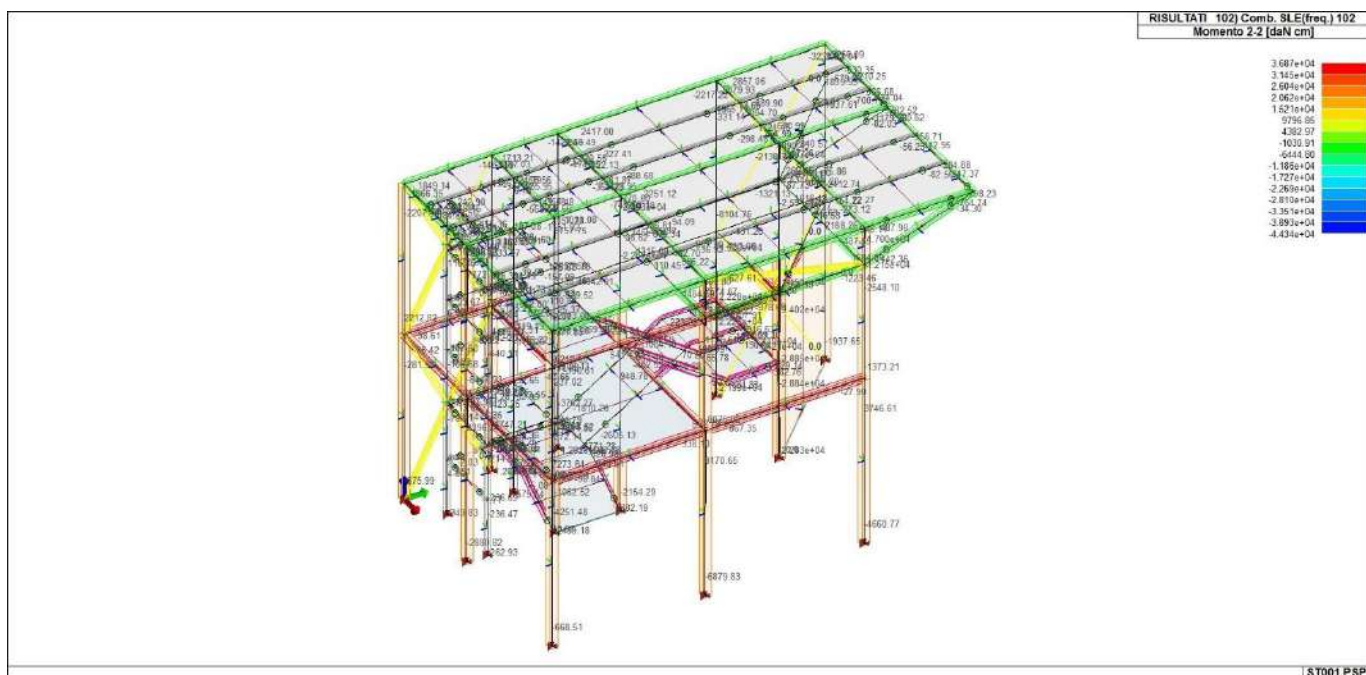
43_RIS_M2_090_Comb SLErara 90



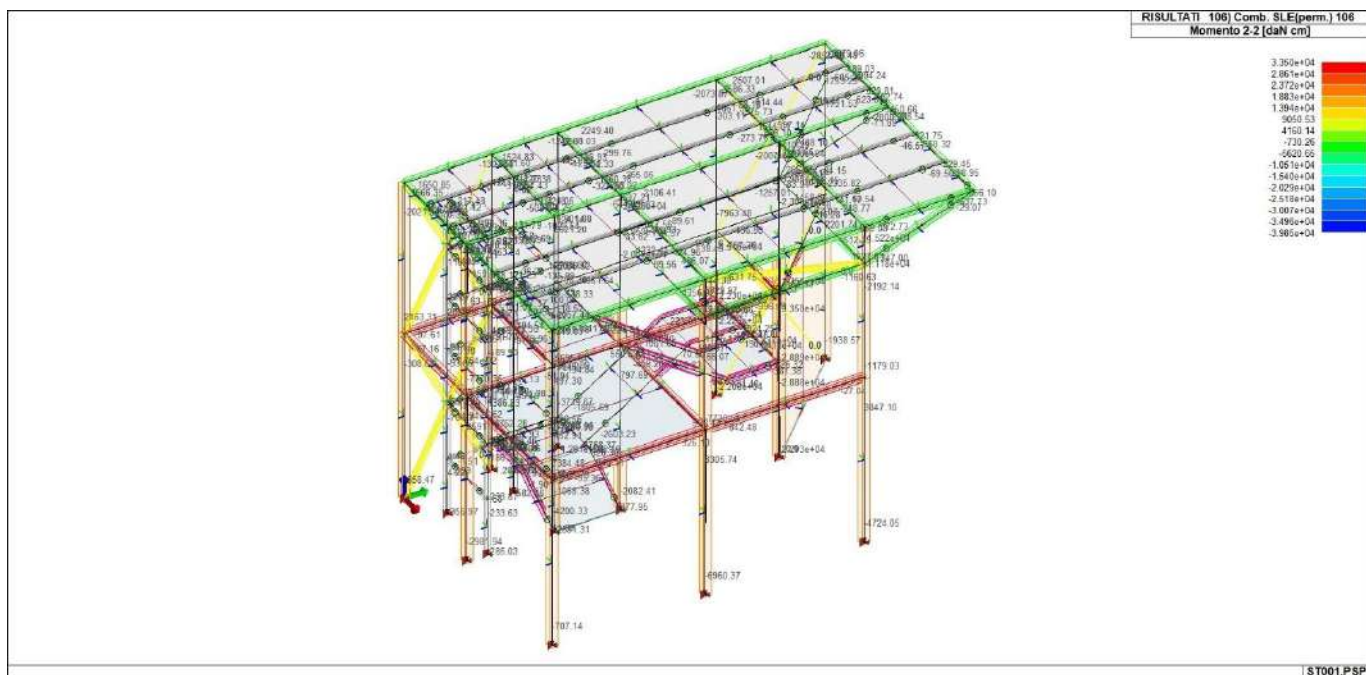
43_RIS_M2_093_Comb SLErara 93



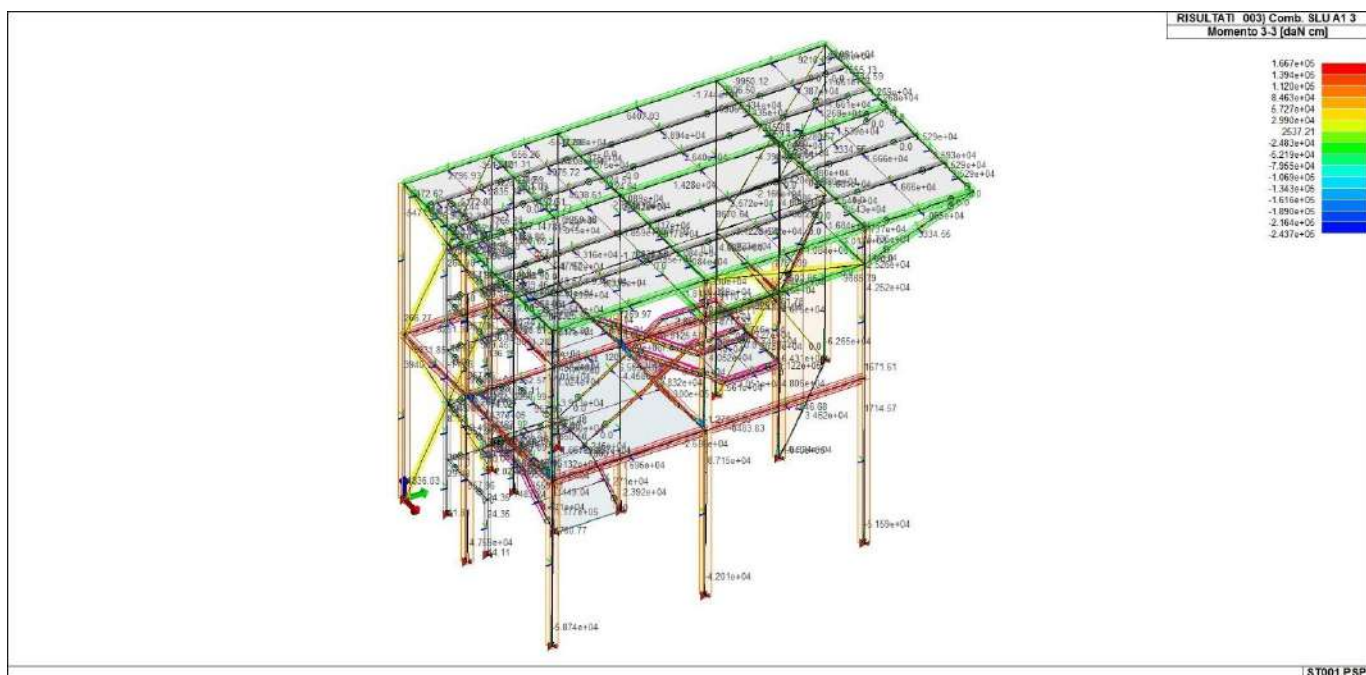
43_RIS_M2_099_Comb SLEfreq 99



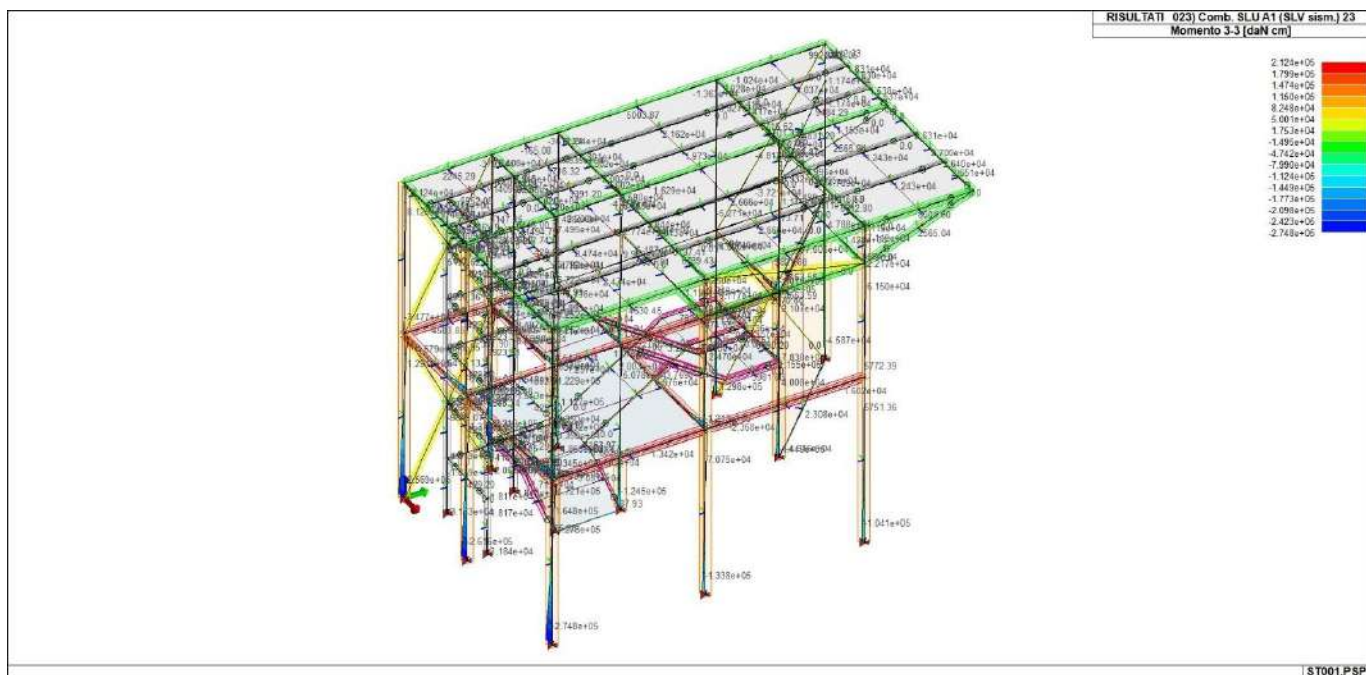
43_RIS_M2_102_Comb SLEfreq 102



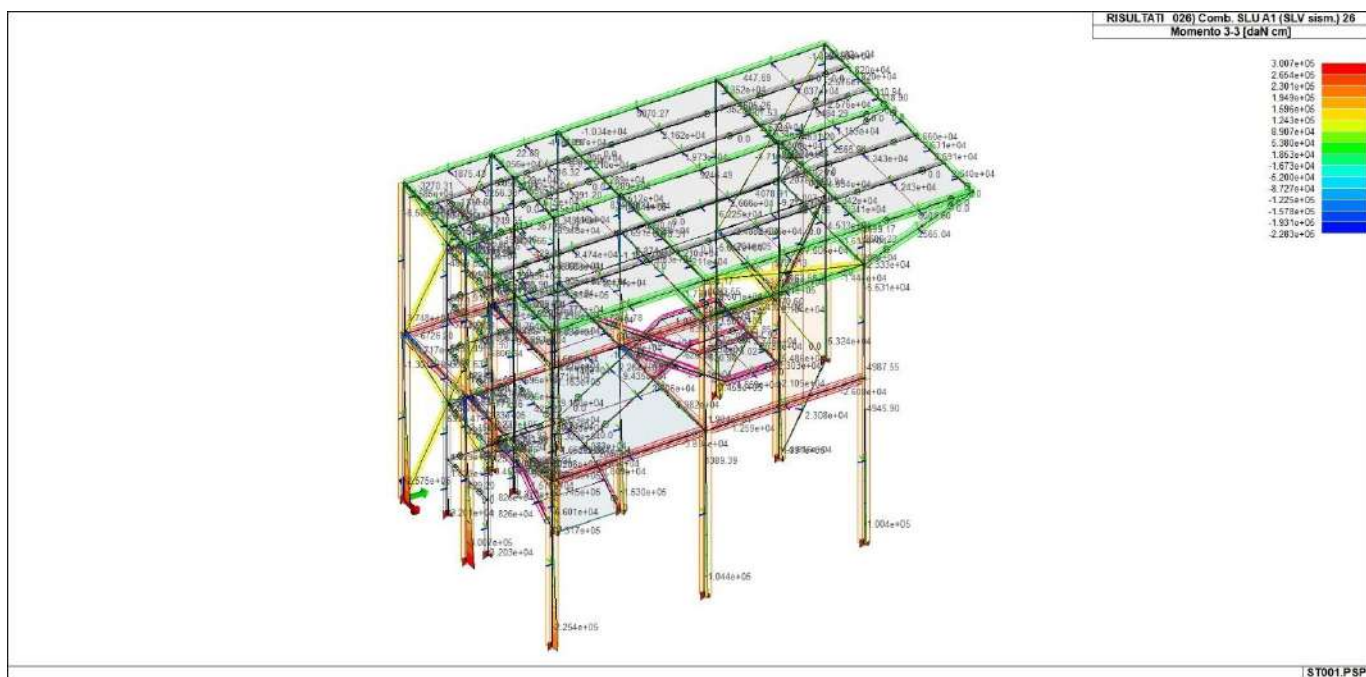
43_RIS_M2_106_Comb SLEperm 106



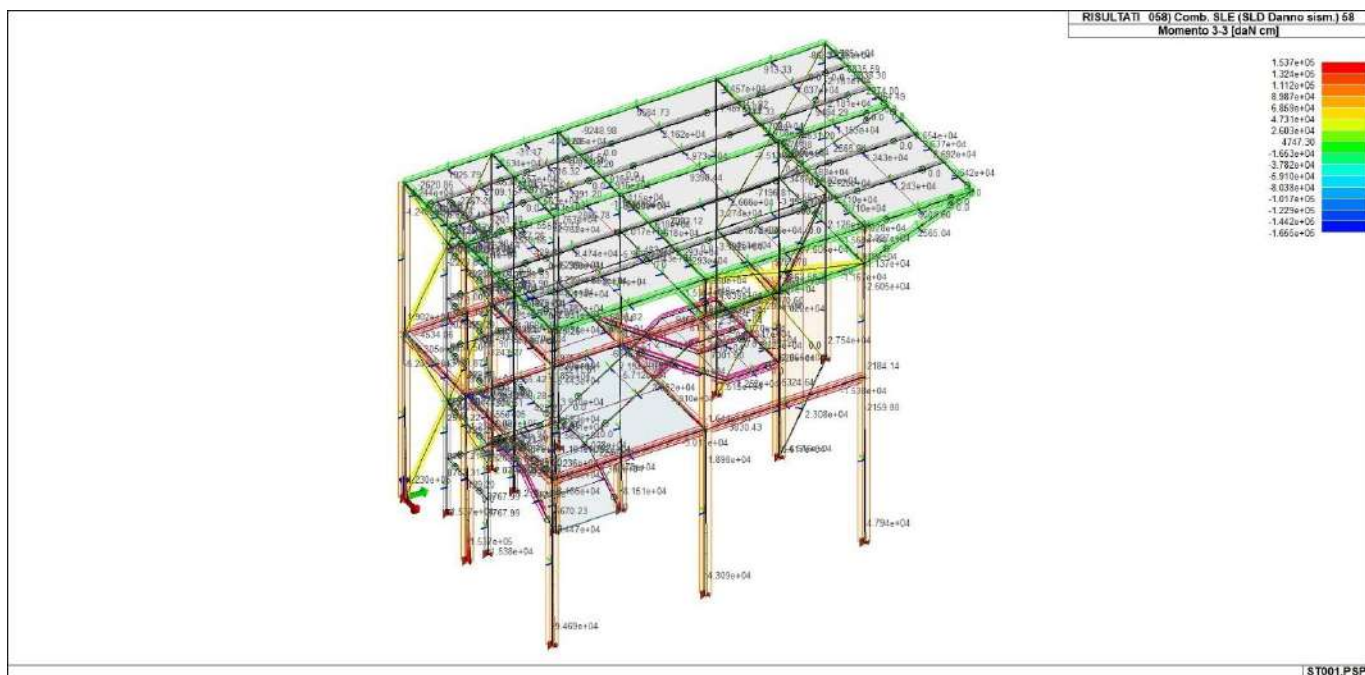
43_RIS_M3_003_Comb SLU A1 3



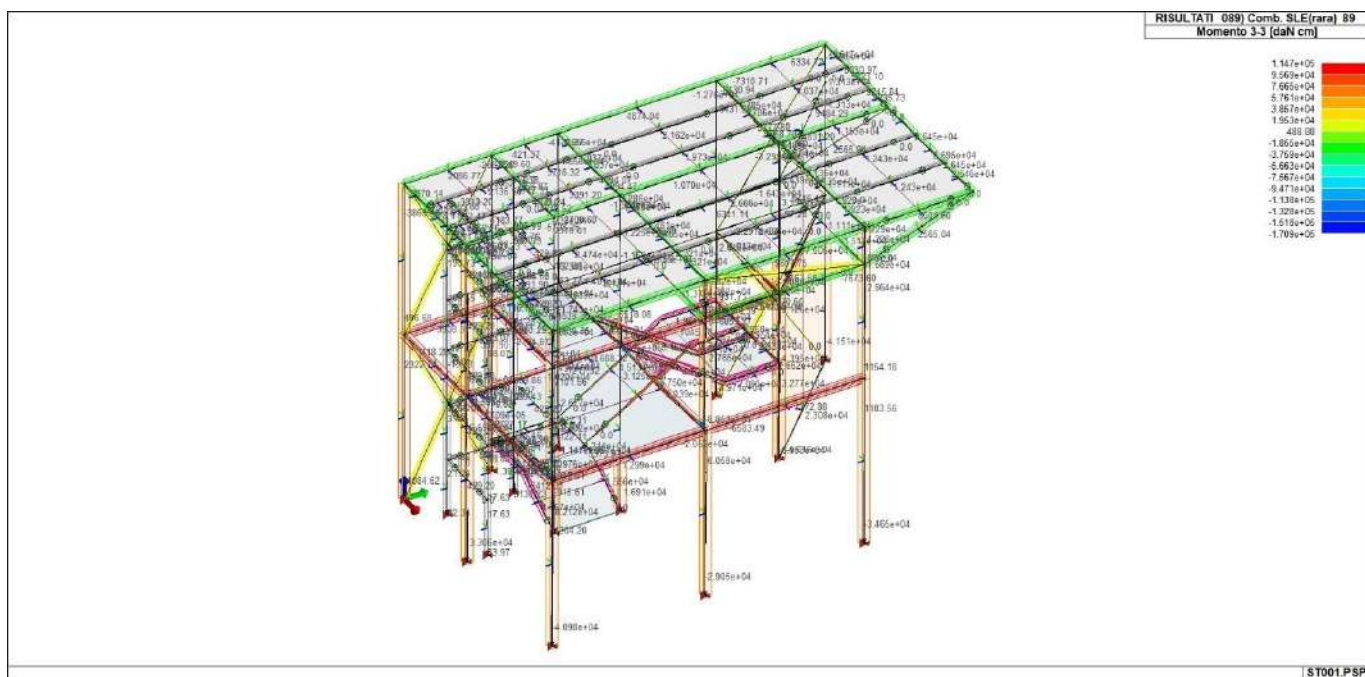
43_RIS_M3_023_Comb SLU A1 SLV sism 23



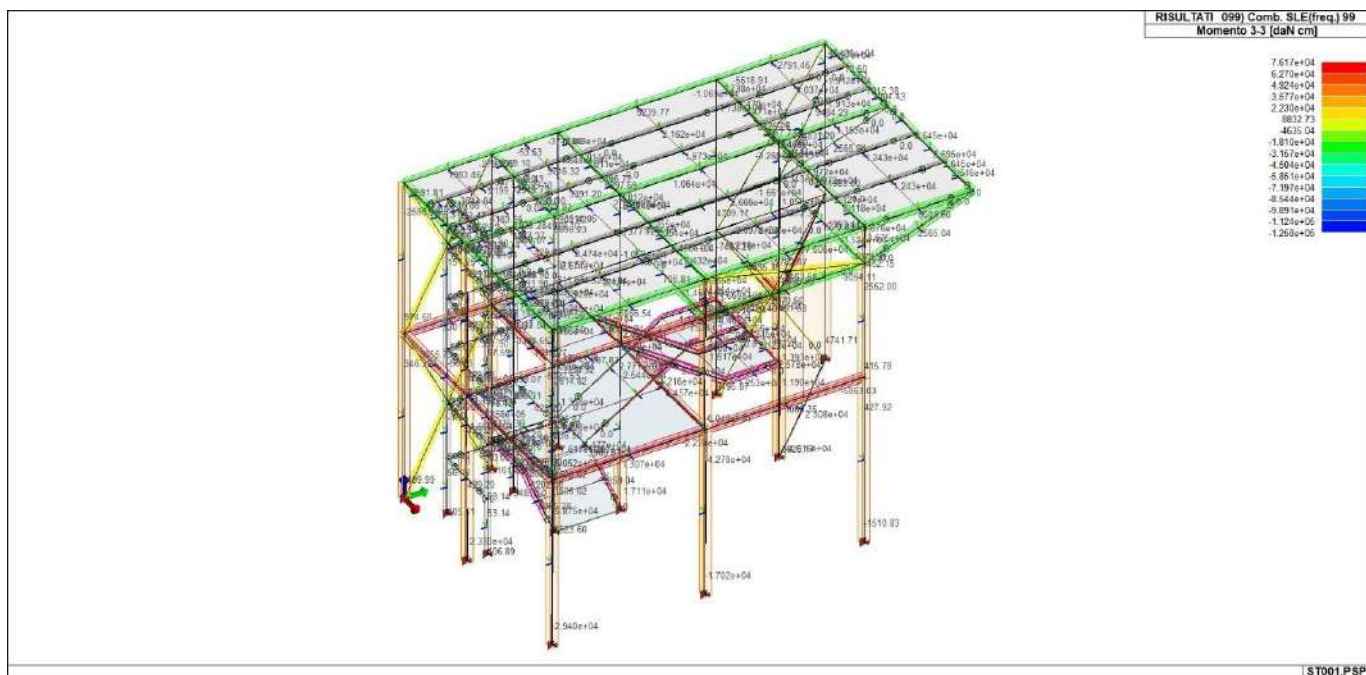
43_RIS_M3_026_Comb SLU A1 SLV sism 26



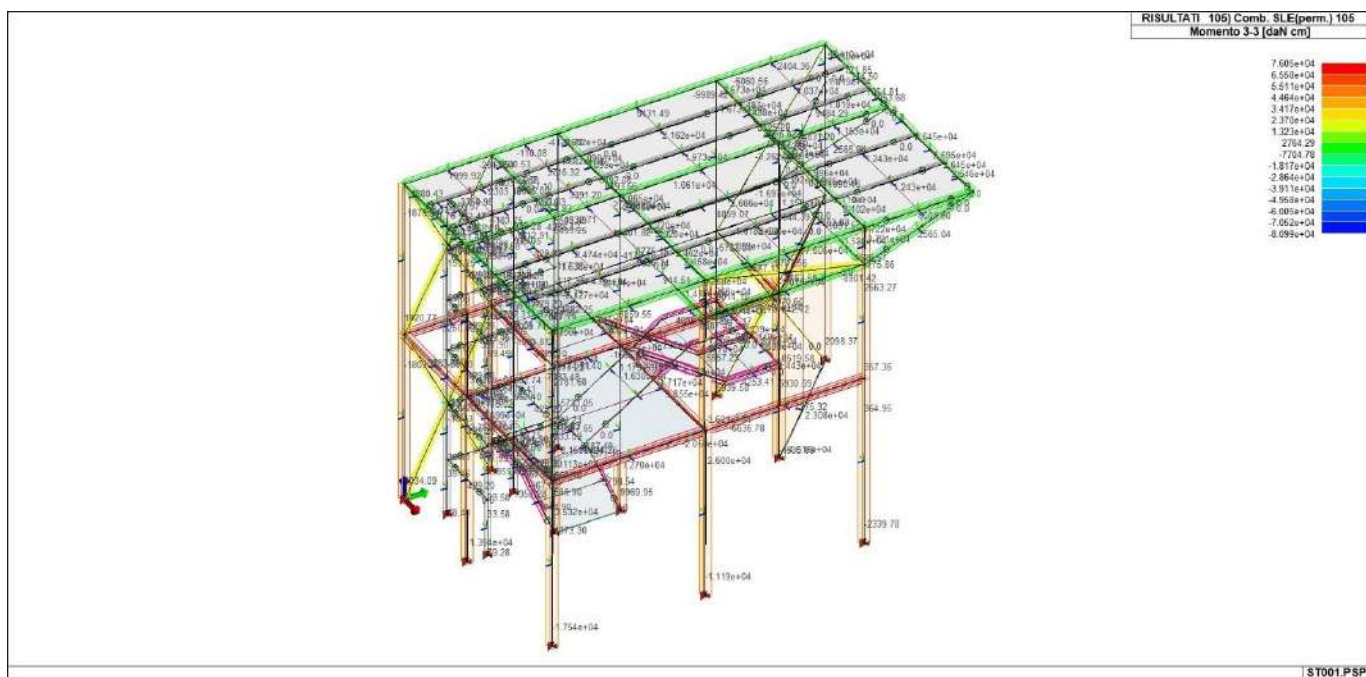
43_RIS_M3_058_Comb SLE SLD Danno sism 58



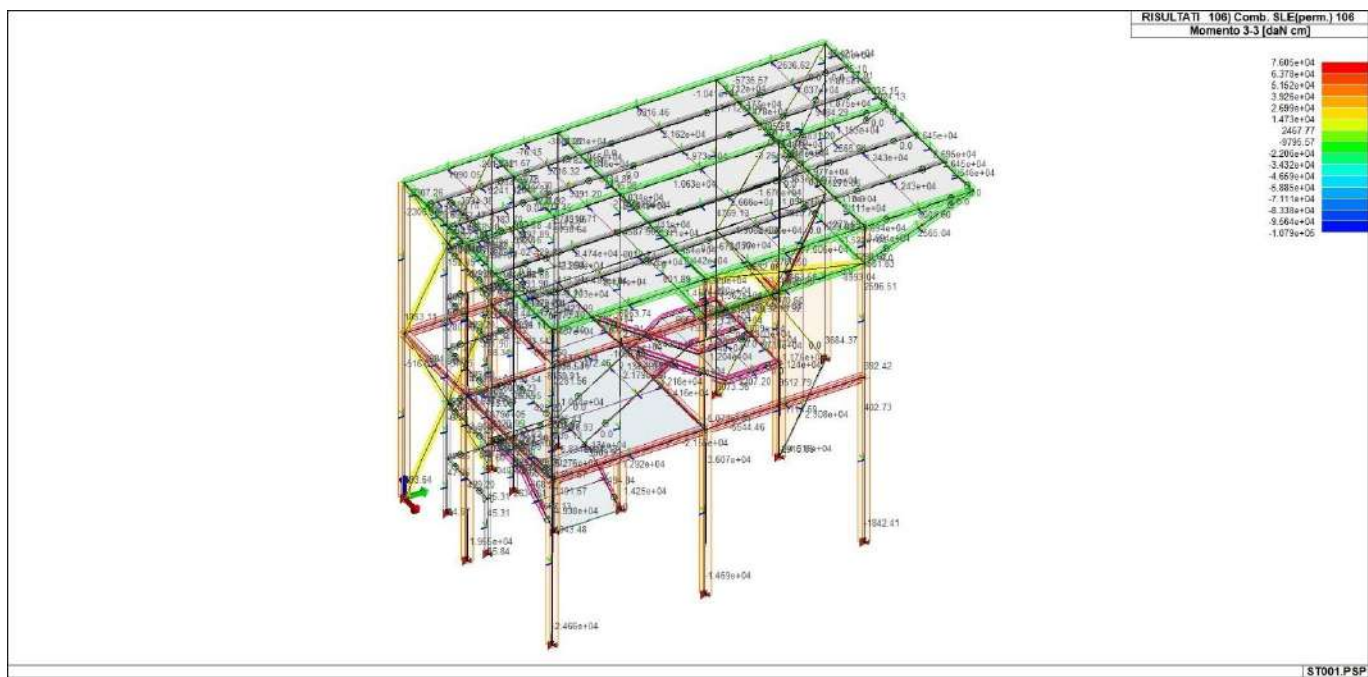
43_RIS_M3_089_Comb SLE(rara) 89



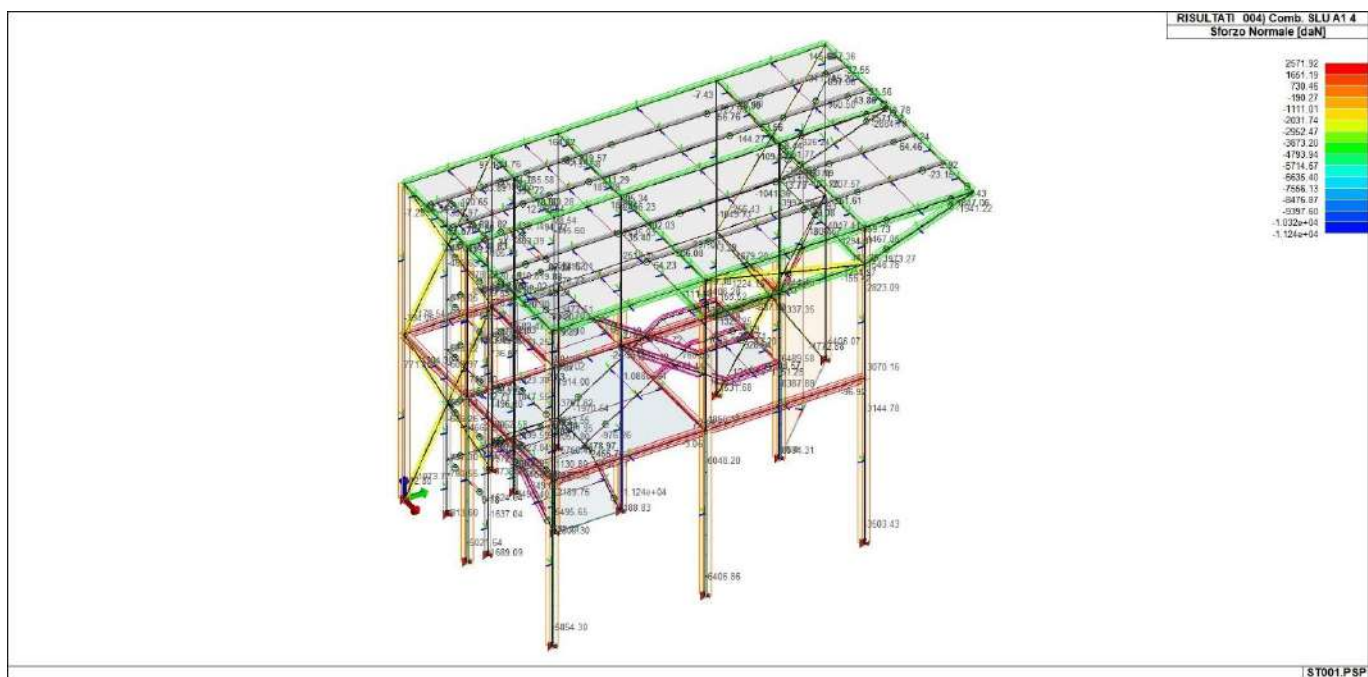
43_RIS_M3_099_Comb SLEfreq 99



43_RIS_M3_105_Comb SLEperm 105



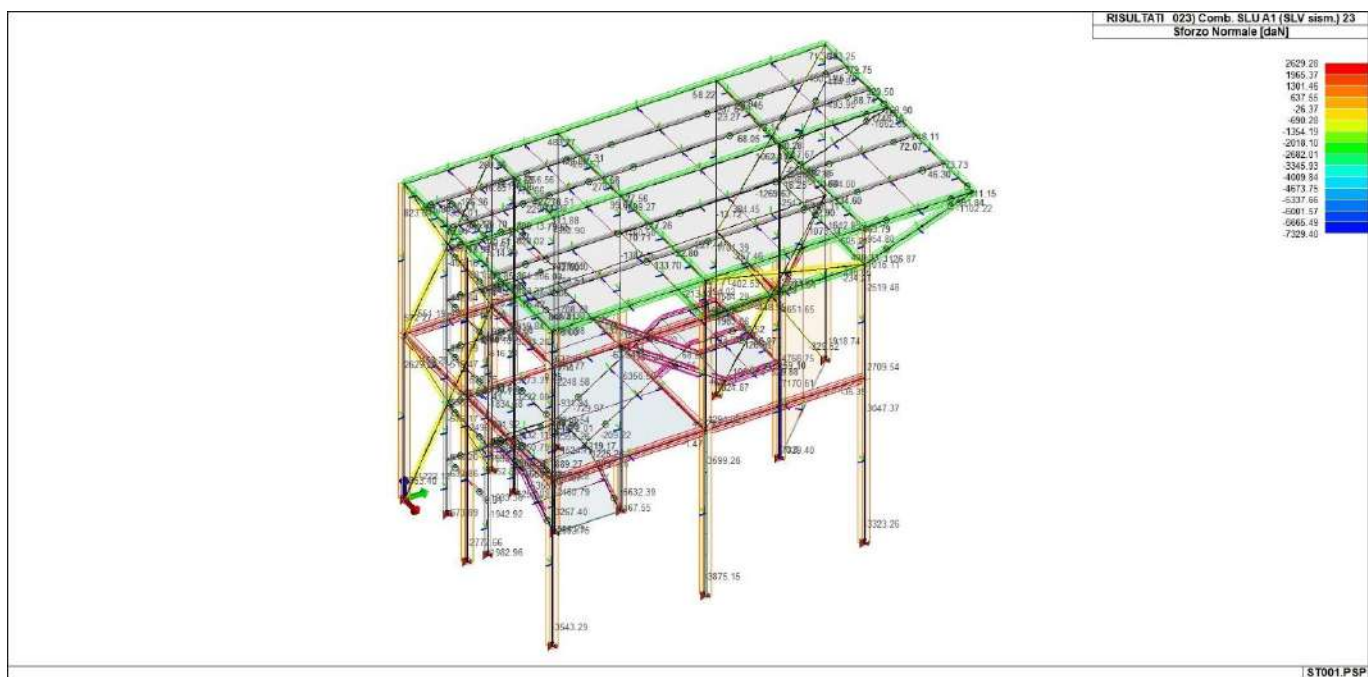
43_RIS_M3_106_Comb SLEperm 106



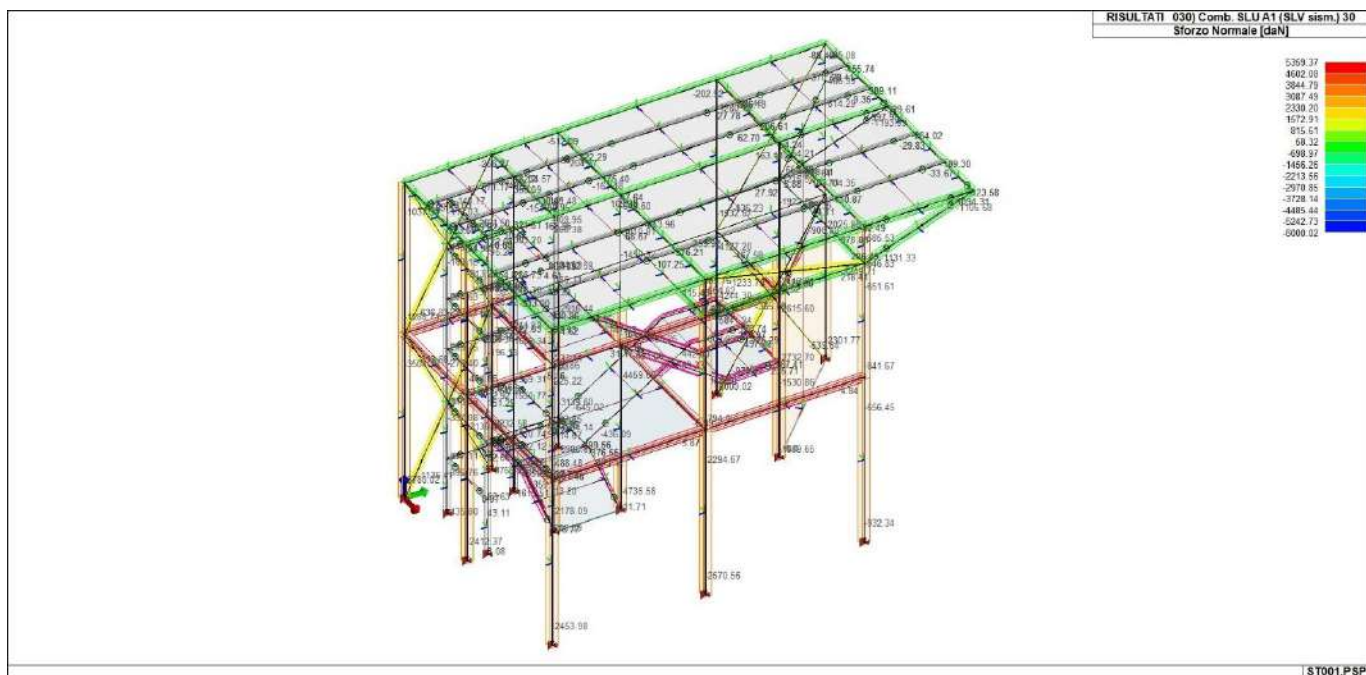
43_RIS_N_004_Comb SLU A1 4



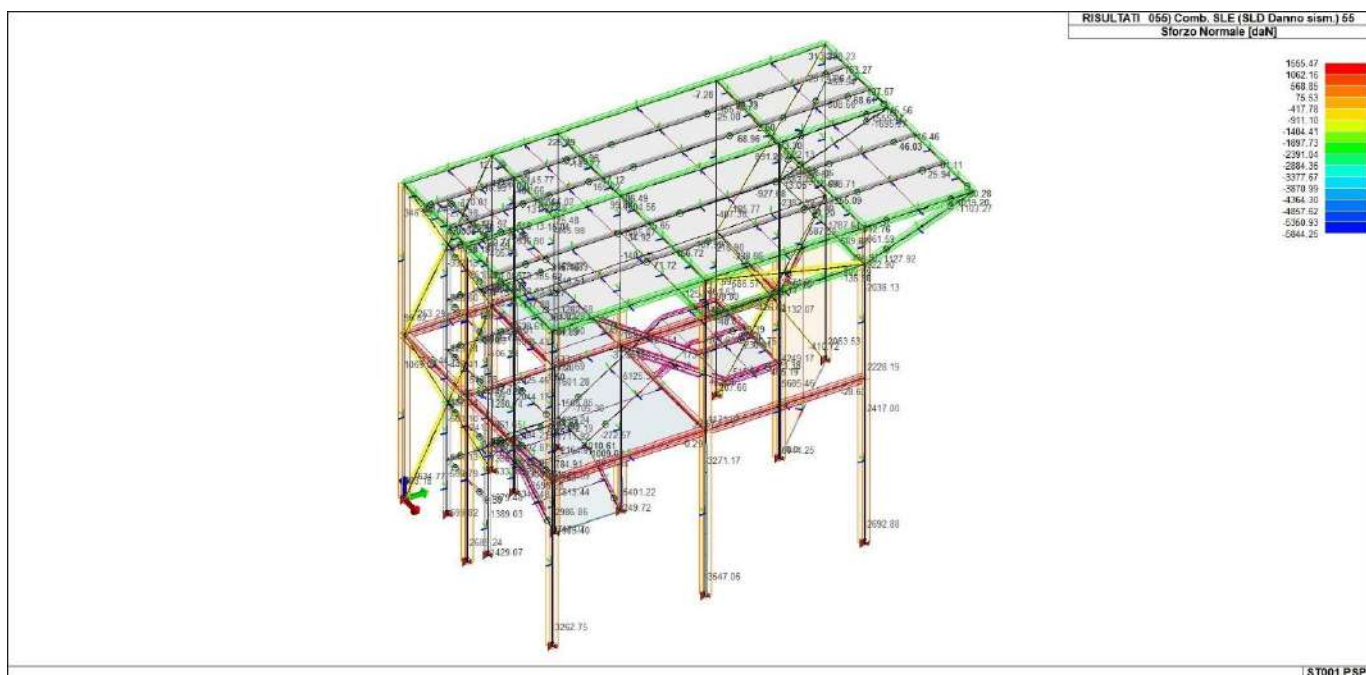
43_RIS_N_009_Comb SLU A1 9



43_RIS_N_023_Comb SLU A1 SLV sism 23



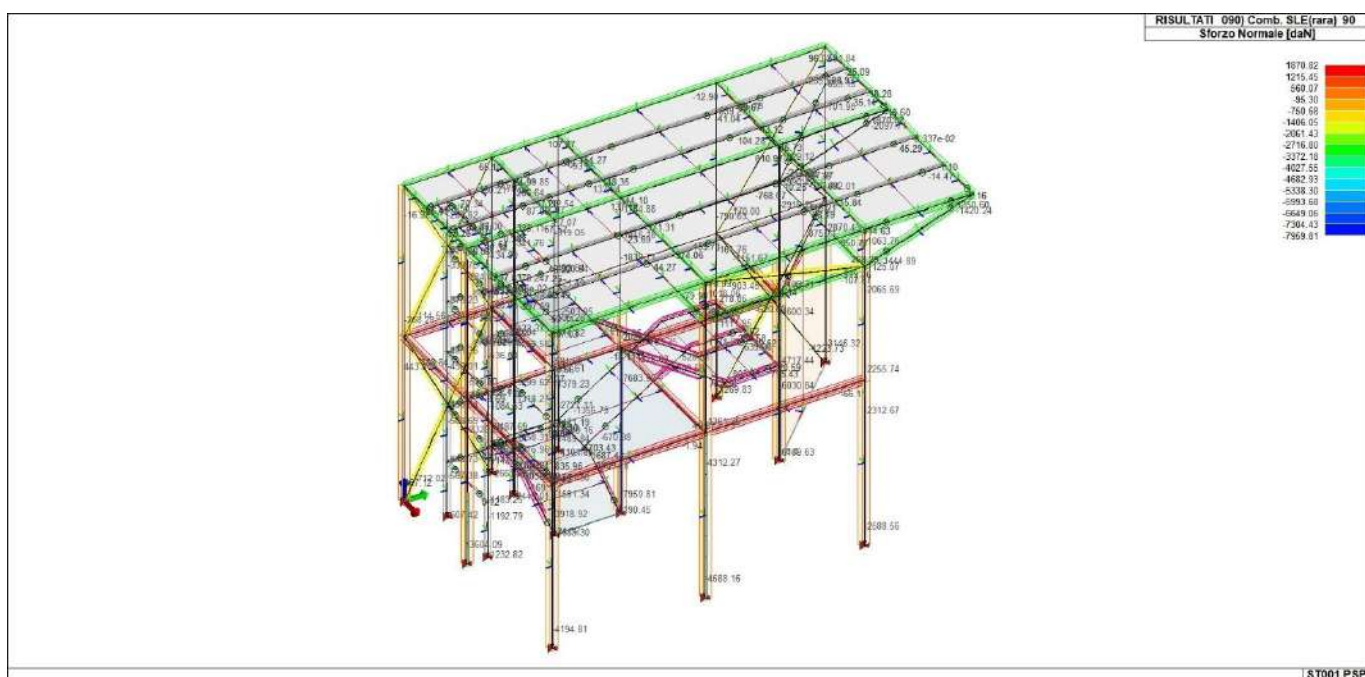
43_RIS_N_030_Comb SLU A1 SLV sism 30



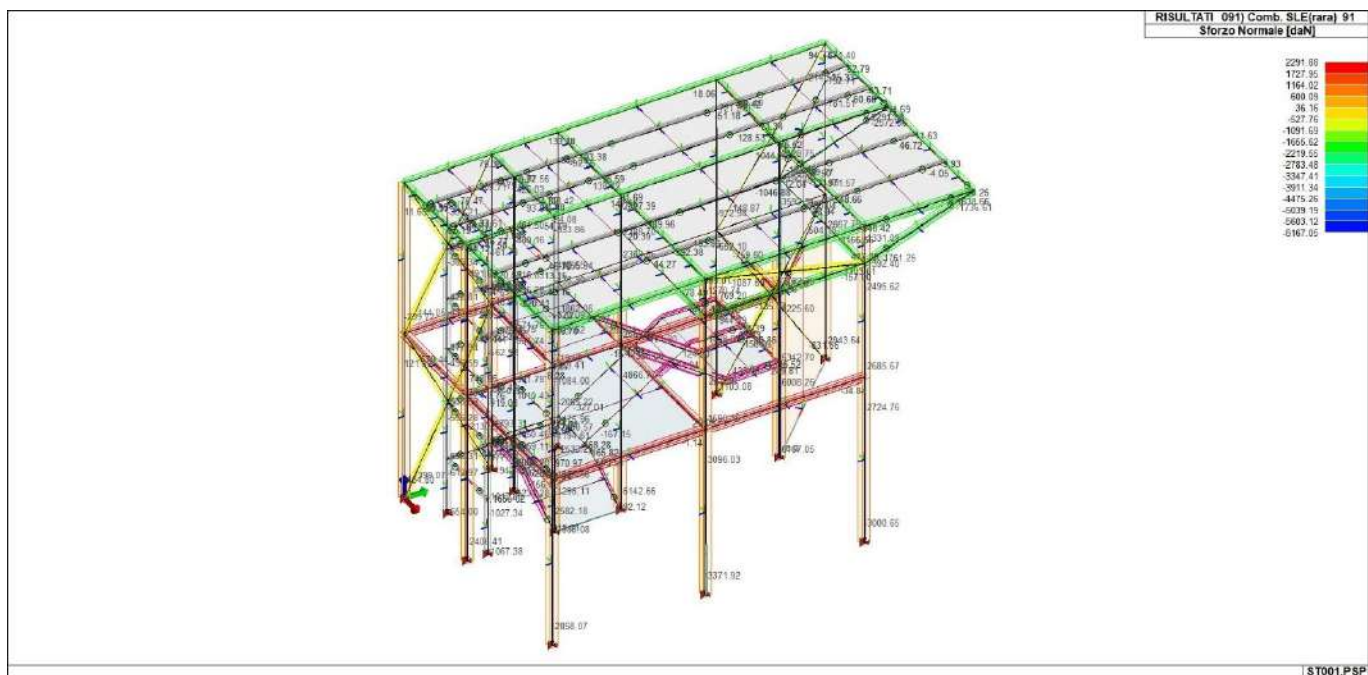
43_RIS_N_055_Comb SLE SLD Danno sism 55



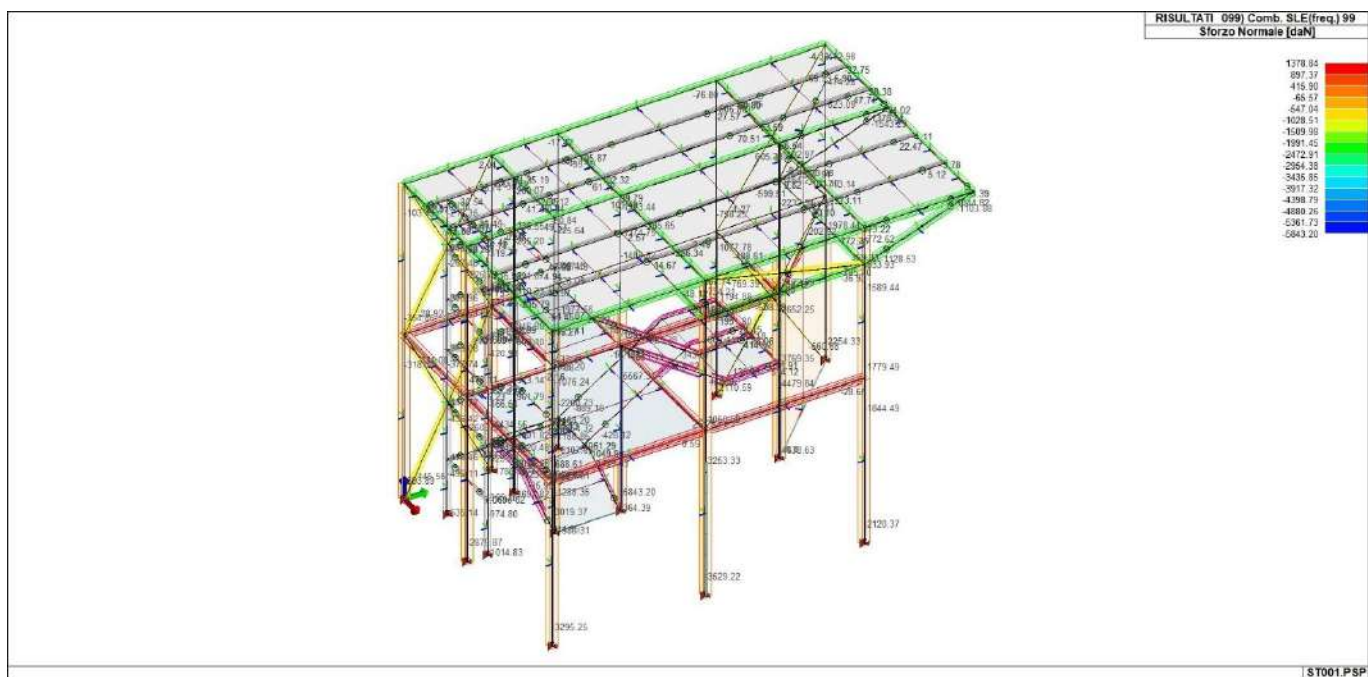
43_RIS_N_062_Comb SLE SLD Danno sism 62



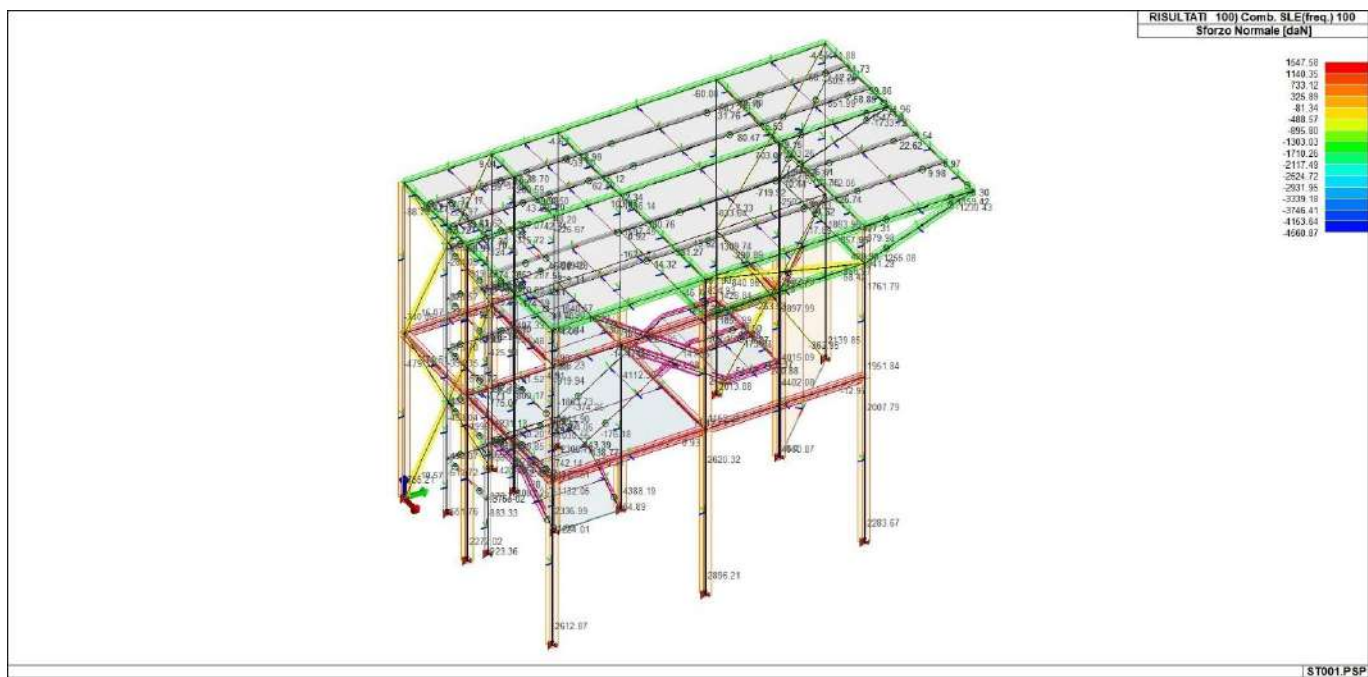
43_RIS_N_090_Comb SLErara 90



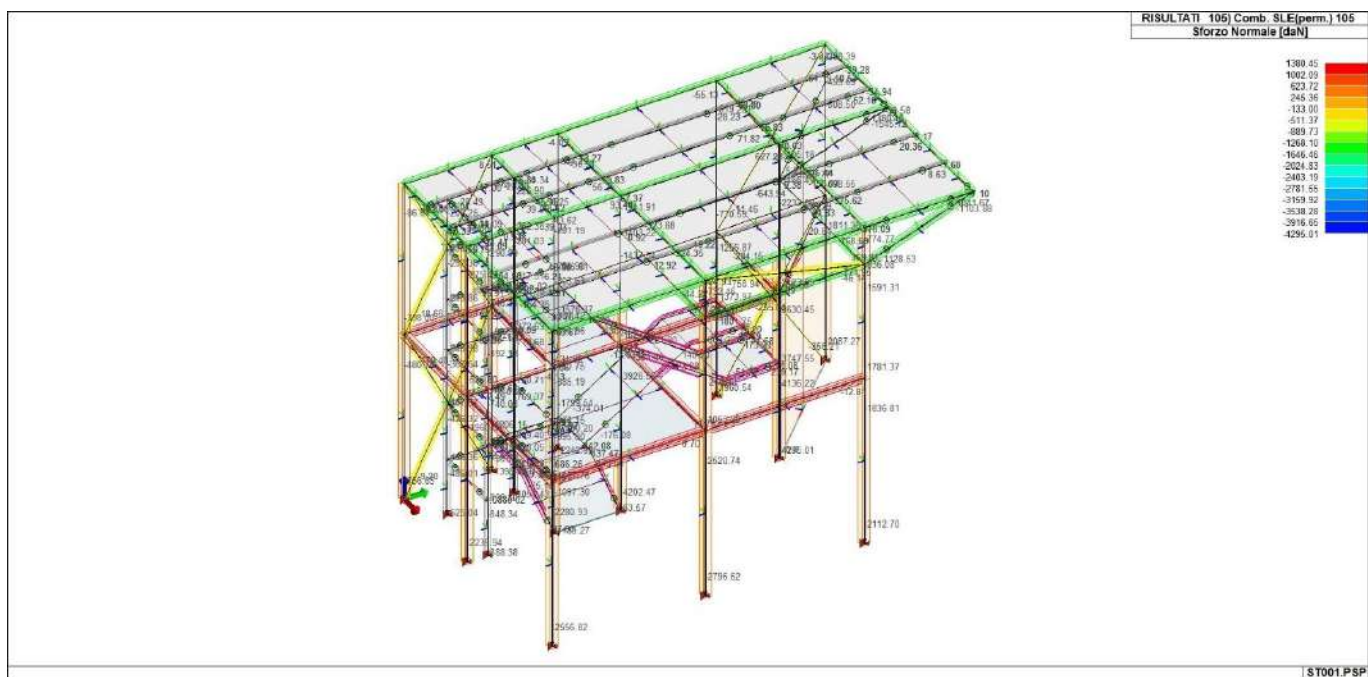
43_RIS_N_091_Comb SLErara 91



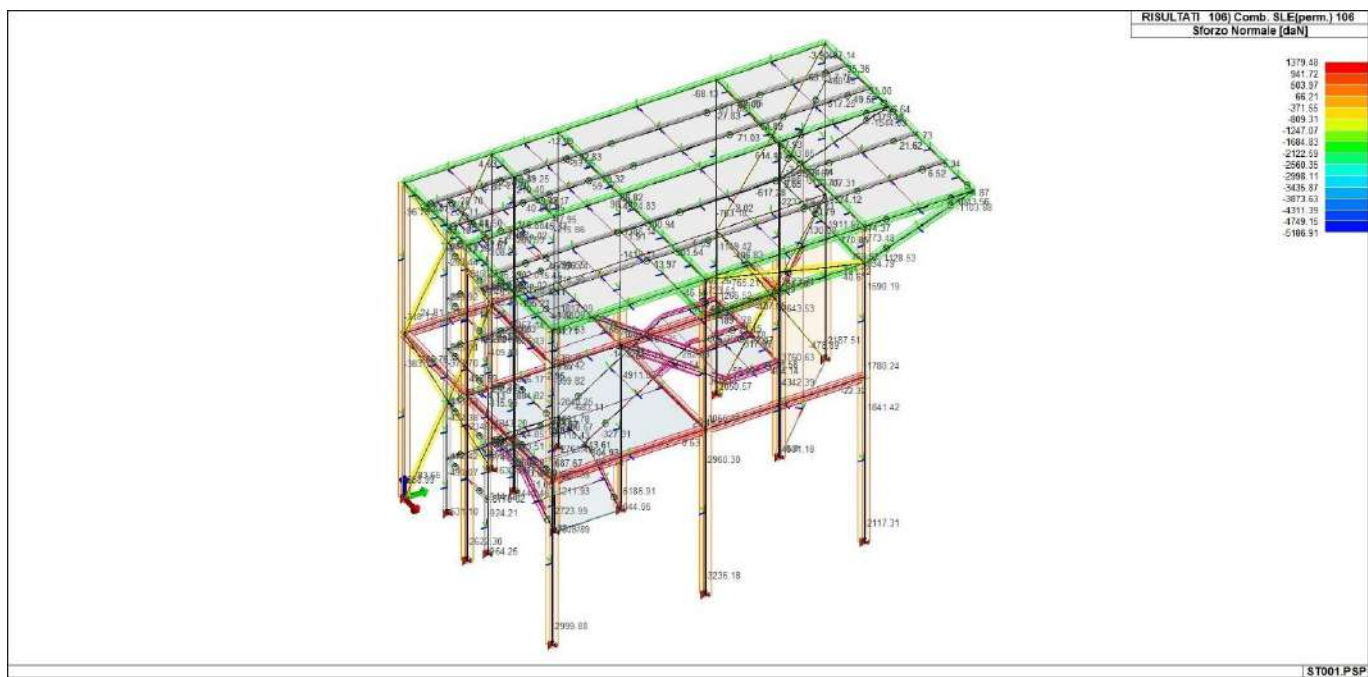
43_RIS_N_099_Comb SLEfreq 99



43_RIS_N_100_Comb SLEfreq 100



43_RIS_N_105_Comb SLEperm 105



43_RIS_N_106_Comb SLEperm 106

VERIFICHE PER ELEMENTI IN ACCIAIO

LEGENDA TABELLA VERIFICHE PER ELEMENTI IN ACCIAIO

Il programma consente la verifica dei seguenti tipi di elementi:

1. **aste** 2. **travi** 3. **pilastr**

L'esito delle verifiche è espresso con un codice come di seguito indicato

Ok: verifica con esito positivo

NV: verifica con esito negativo

Nr: verifica non richiesta.

Per comodità gli elementi vengono raggruppati in tabelle in relazione al tipo.

Ai fini delle verifiche (come da D.M. 17 Gennaio 2018 e circolare 21 Gennaio 2019 n.7) i tipi elementi differiscono per i seguenti aspetti:

Verifica	Aste	Travi	Pilastr
4.2.3.1 Classificazione	X	X	X
4.2.4.1.2.1 Trazione	X	X	X
4.2.4.1.2.2 Compressione	X	X	X
4.2.4.1.2.4 Taglio		X	X
4.2.4.1.2.5 Torsione		X	X
Flessione, taglio e forza assiale		X	X
4.2.4.1.3.1 Aste compresse	X	X	X
4.2.4.1.3.2 Instabilità flesso-torsionale		X	X
4.2.4.1.3.3 Membrature inflesse e compresse		X	X

Ai fini delle verifiche per strutture dissipative (come da D.M. 17 Gennaio 2018 e 2018 e circolare 21 Gennaio 2019 n.7) per strutture intelaiate e a controventi concentrici) si considerano le verifiche del capitolo 4 con azioni amplificate e le verifiche del capitolo 7:

Verifica	Travi	Pilastr
4.2.4.1.2.1 Trazione	X	X
4.2.4.1.2.2 Compressione	X	X
4.2.4.1.2.4 Taglio	X	X
4.2.4.1.2.5 Torsione	X	X
Flessione, taglio e forza assiale	X	X
4.2.4.1.3.1 Aste compresse	X	X
4.2.4.1.3.2 Instabilità flesso-torsionale	X	X
4.2.4.1.3.3 Membrature inflesse e compresse	X	X
7.5.3 Sfruttamento per momento	X	
7.5.4 Sfruttamento per sforzo normale	X	
7.5.5 Sfruttamento per taglio da capacità flessionale	X	
7.5.9 Sfruttamento per taglio amplificato		X

Viene inoltre riportata la verifica della "Gerarchia delle resistenze trave-colonna" per ogni colonna, considerando piede e testa in entrambe le direzioni globali X e Y.

L'insieme delle verifiche sopra riportate è condotto sugli elementi purché dotati di sezione idonea come da tabella seguente:

Azione	SEZIONI	PROFILI	PROFILI ACCOPPIATI

		GENERICHE	SEMPLICI	
4.2.3.1	Classificazione automatica	L, doppio T, C, rettangolare cava, circolare cava	Tutti	Da profilo semplice
4.2.3.1	Classificazione di default 2	Circolare		
4.2.3.1	Classificazione di default 3	restanti		
4.2.4.1.2.1	Trazione	si	si	si
4.2.4.1.2.2	Compressione	si	si	si
4.2.4.1.2.4	Taglio	si	si	si
4.2.4.1.2.5	Torsione	si	si	si
	Flessione, taglio e forza assiale	si	si	si
4.2.4.1.3.1	Aste compresse	si	si	per elementi ravvicinati e a croce o coppie calastrellate
4.2.4.1.3.2	Travi inflesse	doppio T simmetrica	doppio T	no

Le verifiche sono riportate in tabelle con il significato sotto indicato; le verifiche sono espresse dal rapporto tra l'azione di progetto e la capacità ultima, pertanto la verifica ha esito positivo per rapporti non superiori all'unità.

Asta	Trave	Pilastro	numero dell'elemento		
Stato			codice di verifica per resistenza, stabilità, svergolamento		
Note			sezione e materiali adottati per l'elemento		
V N			(ASTE) verifica come da par. 4.2.4.1.2 per punto (4.2.6) e (4.2.10)		
V V/T			(TRAVERI E PILASTRI) verifica di resistenza come da par. 4.2.4.1.2 per azioni taglio-torsione (4.2.16 e 4.2.28)		
V N/M			(TRAVERI E PILASTRI) verifica di resistenza come da par. 4.2.4.1.2 per azioni composte (4.2.33) con riduzione per taglio (4.2.40) ove richiesto		
N	M3	M2	V2	V3	T
V stab			(ASTE) verifica come da par. 4.2.4.1.3.1 per punto (4.2.41)		
V stab			(TRAVERI E PILASTRI) verifica come da par. 4.2.4.1.3 per punti (C4.2.32) o (C4.2.36) (membrature inflesse e compresse senza/con presenza di instabilità flessione-torsionale)		
BetaxL	B22xL	B33xL	lunghezze libere di inflessione (se indicato riferiti al piano di normale 22 o 33 rispettivamente)		
Snellezza			snellezza massima		
Classe			classe del profilo		
Chi mn			coefficiente di riduzione (della capacità) per la modalità di instabilità pertinente		
Rif. cmb			combinazioni in cui si sono rispettivamente attinti i valori di verifica più elevati		
V flst			(TRAVERI E PILASTRI) verifica di stabilità come da par. 4.2.4.1.3.2 per punto (4.2.48)		
B1-1 x L			Beta1-1 x L: interasse tra i ritegni torsionali		
Chi LT			coefficiente di riduzione (della capacità) per la modalità di instabilità flessione-torsionale		
Snell adim			Valore della snellezza adimensionale, utilizzato per il controllo previsto al par. 7.5.5		
v.Omeg			Valore del rapporto capacità/domanda per l'azione di interesse (momento per travi e azione assiale per aste) utilizzato per l'amplificazione delle azioni		
f.Om. N			Fattore di amplificazione delle azioni assiali per travi e colonne (prodotto di 1.1 x Omega x gamma rd materiale); utilizzato come specificato al par. 7.5.5		
f.Om. T			Fattore di amplificazione delle azioni (assiali, flettenti e taglianti) per colonne (prodotto di 1.1 x Omega x gamma rd materiale); utilizzato come specificato al par. 7.5.4		
V.7.5.4 M Ed			Verifica come prevista al punto 7.5.4 e valore dell'azione flettente		
V.7.5.5 N Ed			Verifica come prevista al punto 7.5.5 e valore dell'azione assiale		
V.7.5.6 V Ed, G V Ed, M			Verifica come prevista al punto 7.5.6 e valore dei tagli dovuti ai carichi e alla capacità		
V.7.5.10 V Ed			Verifica come prevista al punto 7.5.10 e valore dell'azione di taglio		
sovr. Xi (Xf, Yi, Yf)			Valore della sovraresistenza come prevista al par. 7.5.4.2 (i valori non sono normalizzati pertanto saranno maggiori uguali a gamma rd in base alla classe di duttilità)		

Nel caso in cui λ_{DaS} sia minore di 0.2, oppure nel caso in cui la sollecitazione di calcolo N_{Ed} sia inferiore a $0.04 N_{cr}$, gli effetti legati ai fenomeni di instabilità sono trascurati, come da paragrafo 4.2.4.1.3.1

Asta	Stato	Note	V N	N	V stab	N	Cl.	Beta x L	Snell. LambdaS	Chi mn	v.Omeg	Rif. cmb	
				daN		daN		cm					
1	oks=21,m=158	0.02	808.3				1	397.2	226.9	3.70	0.06	0.0	51,0
2	oks=21,m=158	0.02	-888.5				1	397.2	226.9	3.70	0.06	0.0	51,0
3	oks=21,m=158	0.04	-2095.7				1	424.0	242.2	3.95	0.06	0.0	51,0
4	oks=21,m=158	0.03	1789.4				1	424.0	242.2	3.95	0.06	0.0	51,0
5	oks=21,m=158	0.01	-708.0				1	374.1	213.8	3.48	0.07	0.0	51,0
6	oks=21,m=158	0.01	714.5				1	374.1	213.8	3.48	0.07	0.0	51,0
7	oks=21,m=158	0.03	1726.5				1	402.5	229.9	3.75	0.06	0.0	51,0
8	oks=21,m=158	0.03	-1782.7				1	402.5	229.9	3.75	0.06	0.0	51,0
9	oks=21,m=158	0.06	-3071.3				1	337.6	192.9	3.14	0.09	0.0	45,0
Asta			V N	N	V stab	N		Beta x L	Snell. LambdaS	Chi mn	v.Omeg		
				-3071.31						3.14	0.06	0.0	
			0.06	1789.36				424.00	242.24	3.95		0.0	

Trave	Stato	Note	V V/T	V N/M	V stab	Cl.LamS 22	LamS 33	Snell.	Chi mn	V flstLamS LT	Chi LT	Rif. cmb	
14	oks=16,m=12	0.04	0.13			1	0.8	0.2	69.4	0.66	0.11	0.5	38,28,0,3
16	oks=17,m=12	0.02	0.10			1	0.6	0.3	48.9	0.81	0.06	0.4	45,41,0,45
17	oks=16,m=12	0.02	0.11		0.22	1	0.9	0.3	81.4	0.58	0.09	1.1	4,27,27,27
18	oks=16,m=12	0.04	0.11			1	0.8	0.2	69.4	0.66	0.07	0.4	3,23,0,27
19	oks=16,m=12	0.06	0.20			1	0.7	0.2	59.5	0.73	0.08	0.2	4,3,0,25
20	oks=16,m=12	0.05	0.19			1	0.9	0.3	81.4	0.58	0.16	1.1	4,4,0,25
21	oks=18,m=12	0.04	0.21			1	1.1	0.7	99.1	0.46	0.21	0.6	45,45,0,45
22	oks=17,m=12	5.89e-03	0.05			1	1.0	0.6	84.5	0.56	7.34e-03	0.5	44,44,0,1
24	oks=18,m=12	0.20	0.38			1	1.1	0.7	95.4	0.49	0.40	0.6	3,3,0,3
25	oks=18,m=12	0.07	0.29			1	0.8	0.5	70.3	0.66	0.29	0.4	23,23,0,23
26	oks=18,m=12	0.01	0.03			1	0.7	0.4	56.5	0.76	0.02	0.4	18,51,0,18
27	oks=18,m=12	0.10	0.15			1	0.2	9.30e-02	13.3	1.00	0.15	4.85e-02	45,45,0,45
28	oks=18,m=12	0.17	0.36			1	0.3	0.2	25.1	0.95	0.36	7.88e-02	30,30,0,30
29	oks=18,m=12	0.02	0.08			1	0.5	0.3	42.7	0.85	0.04	0.3	17,53,0,17
30	oks=18,m=12	0.04	0.16			1	0.5	0.3	42.7	0.85	0.12	0.2	45,45,0,45
31	oks=16,m=12	0.03	0.18			1	1.9	0.5	163.9	0.22	0.38	1.1	3,3,0,3
32	oks=18,m=12	0.02	0.14			1	1.2	0.7	102.9	0.44	0.04	0.7	3,33,0,16
33	oks=18,m=12	0.02	0.19			1	1.2	0.7	102.9	0.44	0.10	0.7	45,33,0,45
34	oks=18,m=12	0.08	0.41			1	0.8	0.5	70.3	0.66	0.34	0.4	33,32,0,32
35	oks=17,m=12	0.07	0.47			1	1.3	0.8	112.5	0.39	0.25	0.6	16,17,0,1
36	oks=18,m=12	0.02	0.22			1	0.8	0.5	70.3	0.66	0.05	0.5	54,16,0,3
37	oks=18,m=12	0.19	0.38			1	1.1	0.7	95.4	0.49	0.39	0.6	3,3,0,3
38	oks=17,m=12	0.03	0.13			1	1.3	0.8	112.2	0.39	0.10	0.7	9,44,0,44
39	oks=17,m=12	0.03	0.16			1	1.3	0.8	116.5	0.37	0.08	0.7	11,38,0,11
40	oks=17,m=12	0.02	0.09			1	0.9	0.6	79.6	0.59	0.04	0.4	9,44,0,9
41	oks=17,m=12	0.05	0.22			1	0.4	0.8	66.3	0.75	0.18	0.1	9,26,0,30
42	oks=17,m=12	0.04	0.20			1	0.3	0.6	48.8	0.86	0.19	0.1	30,30,0,30
43	oks=17,m=12	0.01	0.05			1	0.7	0.5	63.9	0.70	0.01	0.5	9,49,0,9
44	oks=17,m=12	0.05	0.11			1	0.2	0.1	15.1	1.00	0.09	5.80e-02	45,45,0,45
45	oks=17,m=12	0.08	0.24			1	0.3	0.2	28.4	0.94	0.20	9.11e-02	30,27,0,30
46	oks=17,m=12	0.01	0.08			1	0.6	0.3	48.3	0.81	0.02	0.4	9,51,0,9
47	oks=17,m=12	0.04	0.17			1	0.6	0.3	48.3	0.81	0.12	0.4	9,31,0,9
48	oks=17,m=12	0.05	0.29			1	0.3	0.6	48.8	0.86	0.20	0.1	30,38,0,30
49	oks=17,m=12	0.02	0.20			1	1.3	0.8	116.5	0.37	0.06	0.7	11,35,0,11
50	oks=17,m=12	0.05	0.31			1	1.3	0.8	116.5	0.37	0.19	0.7	11,35,0,11
51	oks=17,m=12	0.07	0.33			1	0.3	0.6	48.8	0.86	0.27	0.1	33,33,0,33
53	oks=17,m=12	0.02	0.08			1	0.9	0.6	79.6	0.59	0.05	0.5	9,51,0,38
54	oks=17,m=12	0.09	0.30			1	0.4	0.8	66.3	0.75	0.25	0.1	9,34,0,9
68	oks=16,m=12	0.05	0.13			1	0.8	0.2	69.4	0.66	0.08	0.5	30,28,0,3
69	oks=16,m=12	0.03	0.18		0.46	1	1.8	0.5	158.9	0.23	0.32	1.1	3,4,4,3
70	oks=16,m=12	0.05	0.18			1	0.8	0.2	69.4	0.66	0.21	0.5	30,3,0,3
71	oks=16,m=12	0.04	0.24			1	1.8	0.5	158.9	0.23	0.48	1.1	3,4,0,3
72	oks=16,m=12	0.04	0.14			1	0.8	0.2	69.4	0.66	0.17	0.5	27,45,0,45
76	oks=16,m=12	0.03	0.17			1	1.9	0.5	163.9	0.22	0.34	1.1	3,3,0,3
77	oks=16,m=12	0.01	0.13			1	1.0	0.3	84.3	0.56	0.09	1.1	54,4,0,54
78	oks=17,m=12	0.08	0.29			1	0.4	0.8	66.3	0.75	0.22	0.1	11,33,0,33
79	oks=17,m=12	0.04	0.26			1	0.3	1.3	115.1	0.41	0.24	0.1	45,45,0,45
80	oks=17,m=12	0.03	0.07			1	0.9	0.6	79.6	0.59	0.06	0.4	9,44,0,9

81	oks=17,m=12	0.03	0.14	1	0.4	1.3	115.1	0.41	0.14	0.1	1.00	11,11,0,11	
82	oks=17,m=12	0.03	0.25	1	1.2	0.8	108.0	0.41	0.20	0.5	1.00	32,32,0,33	
85	oks=18,m=12	0.08	0.33	1	0.3	0.5	42.6	0.89	0.30	0.1	1.00	33,33,0,33	
86	oks=18,m=12	0.06	0.19	1	0.1	0.5	42.6	0.89	0.09 4.62e-02		1.00	32,4,0,4	
87	oks=18,m=12	0.08	0.32	1	0.3	0.5	42.6	0.89	0.29	0.1	1.00	32,32,0,32	
91	oks=18,m=12	0.12	0.31	1	0.3	0.5	42.6	0.89	0.29	0.1	1.00	3,24,0,28	
92	oks=18,m=12	0.08	0.30	1	0.5	0.5	42.6	0.86	0.27	0.3	1.00	29,29,0,29	
93	oks=16,m=12	0.06	0.14	1	0.1	0.2	20.1	0.98	0.07 5.00e-02		1.00	4,3,0,25	
96	oks=17,m=12	0.02	0.23	1	1.3	0.8	116.5	0.37	0.11	0.7	0.90	31,35,0,31	
97	oks=17,m=12	0.02	0.18	1	1.3	0.8	116.5	0.37	0.11	0.7	0.90	45,43,0,45	
98	oks=17,m=12	0.03	0.23	1	1.2	0.8	108.0	0.41	0.15	0.5	1.00	27,35,0,30	
99	oks=17,m=12 4.41e-03	0.06		1	1.0	0.6	84.5	0.56 7.34e-03		0.5	1.00	44,21,0,3	
103	oks=18,m=12	0.03	0.21	1	1.2	0.7	102.9	0.44	0.21	0.5	1.00	44,45,0,45	
104	oks=17,m=12	0.02	0.15	1	1.3	0.8	112.5	0.39	0.01	0.6	0.96	20,19,0,1	
106	oks=17,m=12	0.02	0.12	1	0.4	0.8	66.3	0.75	0.07	0.1	1.00	27,34,0,30	
107	oks=17,m=12	0.05	0.19	1	0.4	0.8	66.3	0.75	0.19	0.1	1.00	11,27,0,27	
108	oks=17,m=12	0.02	0.14	1	0.4	0.8	66.3	0.75	0.13	0.2	1.00	30,11,0,9	
109	oks=17,m=12	0.09	0.25	1	0.4	0.8	66.3	0.75	0.24	0.1	1.00	11,11,0,11	
110	oks=17,m=12	0.02	0.12	1	0.4	0.8	66.3	0.75	0.11	0.2	1.00	33,37,0,9	
111	oks=17,m=12	0.08	0.32	1	0.4	0.8	66.3	0.75	0.22	0.1	1.00	9,32,0,9	
112	oks=17,m=12 3.15e-03	0.14		1	0.4	1.3	115.1	0.41	0.14	0.2	1.00	31,9,0,11	
113	oks=17,m=12	0.03	0.14	1	0.4	1.3	115.1	0.41	0.14	0.1	1.00	9,11,0,9	
114	oks=1,m=158	0.06	0.27	0.25	1	3.9	3.1	238.5	0.06	0.49	1.3	0.56	11,11,38,9
115	oks=1,m=158	0.06	0.29	0.26	1	4.0	3.1	247.5	0.06	0.54	1.3	0.54	11,9,45,9
116	oks=1,m=158	0.04	0.14	0.14	1	2.8	3.1	188.9	0.10	0.19	1.0	0.71	9,9,35,9
117	oks=1,m=158	0.06	0.27		1	3.9	3.1	238.5	0.06	0.49	1.3	0.56	11,11,0,9
118	oks=1,m=158	0.06	0.29		1	4.0	3.1	247.5	0.06	0.54	1.3	0.54	9,9,0,9
119	oks=1,m=158	0.04	0.14		1	2.8	3.1	188.9	0.10	0.19	1.0	0.71	9,11,0,9
120	oks=17,m=12	0.04	0.10		1	0.3	0.6	48.8	0.86	0.08 8.66e-02		1.00	30,27,0,30
121	oks=17,m=12	0.05	0.10		1	0.3	0.4	31.4	0.94	0.09 8.66e-02		1.00	30,27,0,30
122	oks=17,m=12	0.04	0.08		1	0.3	0.6	48.8	0.86	0.07 8.66e-02		1.00	27,30,0,27
123	oks=17,m=12	0.05	0.13		1	0.3	0.6	48.8	0.86	0.11 8.71e-02		1.00	32,32,0,32
124	ok s=4,m=12 3.94e-03	0.05		1	0.6	0.5	54.5	0.77 9.31e-04		0.3	0.92	11,41,0,9	
125	oks=17,m=12	0.02	0.14		1	0.3	1.3	115.1	0.41	0.12	0.1	1.00	45,32,0,44
126	oks=1,m=158	0.02	0.07		1	0.5	0.2	32.0	0.87	0.04	0.2	1.00	28,39,0,28
127	oks=1,m=158	0.02	0.06	0.10	1	1.7	2.4	149.7	0.15	0.05	0.7	0.89	11,35,35,9
128	oks=1,m=158	0.05	0.23	0.23	1	4.0	2.4	247.5	0.06	0.43	1.3	0.54	9,11,32,9
129	oks=20,m=158	0.03	0.08		1	2.5	2.1	152.2	0.14	0.11	1.0	0.75	9,11,0,9
132	oks=18,m=12	0.08	0.25		1	0.5	0.3	45.2	0.83	0.25	0.3	1.00	27,27,0,27
134	ok s=4,m=12 2.61e-03	0.04		0.09	1	1.4	0.5	122.6	0.34	0.01	1.1	0.40	45,30,30,1
140	oks=18,m=12	0.03	0.09		1	0.5	0.3	43.2	0.84	0.08	0.3	1.00	45,45,0,45
141	oks=1,m=158	0.02	0.05		1	1.7	0.5	103.8	0.28	0.04	0.9	0.79	11,11,0,11
150	ok s=4,m=12 3.29e-03	0.05		0.15	1	1.4	0.5	122.6	0.34	0.01	1.1	0.40	45,30,30,1
151	ok s=4,m=12 3.23e-03 5.84e-03				1	1.4	0.5	122.6	0.34	0.01	1.1	0.40	45,44,0,1
152	ok s=4,m=12 2.15e-03 5.64e-03				1	1.3	0.5	117.2	0.37 9.90e-03		1.1	0.40	44,45,0,1
153	ok s=4,m=12 2.97e-03	0.01			1	1.3	0.5	117.2	0.37 9.90e-03		1.1	0.40	45,39,0,1
154	ok s=4,m=12 3.45e-03	0.01			1	1.4	0.5	122.6	0.34	0.01	1.1	0.40	45,43,0,1
155	ok s=4,m=12 2.98e-03	0.01			1	1.3	0.5	117.2	0.37 9.90e-03		1.1	0.40	45,43,0,1
156	ok s=4,m=12 2.07e-03 6.89e-03				1	1.4	0.5	122.6	0.34	0.01	1.1	0.40	45,54,0,1
157	ok s=4,m=12 7.87e-03 5.99e-03				1	1.3	0.5	117.2	0.37 9.90e-03		1.1	0.40	26,47,0,3
161	oks=16,m=12	0.13	0.28		1	0.8 6.63e-02		69.4	0.66	0.21 6.71e-02		1.00	30,30,0,30
166	ok s=4,m=12 3.03e-03	0.04		0.08	1	1.4	0.5	122.6	0.34	0.01	1.1	0.40	45,26,27,1
167	ok s=4,m=12 2.86e-03	0.01			1	1.4	0.5	122.6	0.34	0.01	1.1	0.40	45,26,0,1
168	ok s=4,m=12 1.95e-03	0.01			1	1.3	0.5	117.2	0.37 9.90e-03		1.1	0.40	45,26,0,1
169	ok s=4,m=12 1.55e-03	0.02			1	1.3	0.5	117.2	0.37 9.90e-03		1.1	0.40	44,41,0,1
170	ok s=4,m=12 3.42e-03	0.02			1	1.4	0.5	122.6	0.34	0.01	1.1	0.40	45,41,0,1
171	ok s=4,m=12 1.66e-03	0.02			1	1.3	0.5	117.2	0.37 9.90e-03		1.1	0.40	45,41,0,1
172	ok s=4,m=12 3.13e-03	0.03			1	1.4	0.5	122.6	0.34	0.01	1.1	0.40	45,25,0,1
173	ok s=4,m=12 4.24e-03	0.07			1	0.8	0.5	68.1	0.67 1.53e-03		0.4	0.88	51,51,0,11
174	ok s=1,m=12	0.02	0.07		1	1.2	0.3	103.8	0.48	0.07	0.7	0.92	11,11,0,9
175	oks=1,m=158	0.02	0.07		1	0.5	0.2	32.0	0.87	0.05	0.3	1.00	11,11,0,11
176	oks=1,m=158	0.02	0.05		1	1.7	2.4	149.7	0.15	0.04	0.7	0.89	9,31,0,9
177	oks=1,m=158	0.04	0.21		1	4.0	2.4	247.5	0.06	0.39	1.3	0.54	11,9,0,9
178	oks=20,m=158	0.02	0.07		1	2.5	2.1	152.2	0.14	0.10	1.0	0.75	9,9,0,9
179	oks=17,m=12	0.04	0.18		1	0.3	0.6	48.8	0.86	0.17 9.49e-02		1.00	27,27,0,27
180	oks=17,m=12	0.05	0.19		1	0.3	0.4	31.4	0.94	0.17 9.03e-02		1.00	27,31,0,27
181	oks=17,m=12	0.06	0.27		1	0.3	0.6	48.8	0.86	0.19 9.09e-02		1.00	9,27,0,27
182	oks=17,m=12	0.07	0.33		1	0.3	0.6	48.8	0.86	0.25 9.03e-02		1.00	9,32,0,32
183	oks=17,m=12	0.03	0.09		1	0.3	1.3	115.1	0.41	0.07 8.34e-02		1.00	44,40,0,44

Trave	V V/T	V N/M	V stab	LamS 22	LamS 33	Snell.	Chi mn	V flst	LamS LT	Chi LT			
	0.20	0.47	0.46	4.03	3.08	247.51	0.06	0.54	1.28	0.40			
Trave	v.Omeg	f.Om. N	Stato	V N/M	V stab	Rif. cmb	V[7.5.4]	M Ed	V[7.5.5]	N Ed	V[7.5.6]	V Ed,G	V Ed,M
								daN cm		daN		daN	daN

14	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35	0.0	0.0	0.0	0.0	0.0	0.0	0.0
36	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45	0.0	0.0	0.0	0.0	0.0	0.0	0.0
46	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47	0.0	0.0	0.0	0.0	0.0	0.0	0.0
48	0.0	0.0	0.0	0.0	0.0	0.0	0.0
49	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50	0.0	0.0	0.0	0.0	0.0	0.0	0.0
51	0.0	0.0	0.0	0.0	0.0	0.0	0.0
53	0.0	0.0	0.0	0.0	0.0	0.0	0.0
54	0.0	0.0	0.0	0.0	0.0	0.0	0.0
68	0.0	0.0	0.0	0.0	0.0	0.0	0.0
69	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70	0.0	0.0	0.0	0.0	0.0	0.0	0.0
71	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72	0.0	0.0	0.0	0.0	0.0	0.0	0.0
76	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77	0.0	0.0	0.0	0.0	0.0	0.0	0.0
78	0.0	0.0	0.0	0.0	0.0	0.0	0.0
79	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80	0.0	0.0	0.0	0.0	0.0	0.0	0.0
81	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85	0.0	0.0	0.0	0.0	0.0	0.0	0.0
86	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87	0.0	0.0	0.0	0.0	0.0	0.0	0.0
91	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92	0.0	0.0	0.0	0.0	0.0	0.0	0.0
93	0.0	0.0	0.0	0.0	0.0	0.0	0.0
96	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97	0.0	0.0	0.0	0.0	0.0	0.0	0.0
98	0.0	0.0	0.0	0.0	0.0	0.0	0.0
99	0.0	0.0	0.0	0.0	0.0	0.0	0.0
103	0.0	0.0	0.0	0.0	0.0	0.0	0.0
104	0.0	0.0	0.0	0.0	0.0	0.0	0.0
106	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107	0.0	0.0	0.0	0.0	0.0	0.0	0.0
108	0.0	0.0	0.0	0.0	0.0	0.0	0.0
109	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110	0.0	0.0	0.0	0.0	0.0	0.0	0.0
111	0.0	0.0	0.0	0.0	0.0	0.0	0.0
112	0.0	0.0	0.0	0.0	0.0	0.0	0.0
113	0.0	0.0	0.0	0.0	0.0	0.0	0.0
114	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115	0.0	0.0	0.0	0.0	0.0	0.0	0.0
116	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117	0.0	0.0	0.0	0.0	0.0	0.0	0.0
118	0.0	0.0	0.0	0.0	0.0	0.0	0.0
119	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120	0.0	0.0	0.0	0.0	0.0	0.0	0.0

121	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122	0.0	0.0	0.0	0.0	0.0	0.0	0.0
123	0.0	0.0	0.0	0.0	0.0	0.0	0.0
124	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125	0.0	0.0	0.0	0.0	0.0	0.0	0.0
126	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127	0.0	0.0	0.0	0.0	0.0	0.0	0.0
128	0.0	0.0	0.0	0.0	0.0	0.0	0.0
129	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132	0.0	0.0	0.0	0.0	0.0	0.0	0.0
134	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140	0.0	0.0	0.0	0.0	0.0	0.0	0.0
141	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150	0.0	0.0	0.0	0.0	0.0	0.0	0.0
151	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152	0.0	0.0	0.0	0.0	0.0	0.0	0.0
153	0.0	0.0	0.0	0.0	0.0	0.0	0.0
154	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155	0.0	0.0	0.0	0.0	0.0	0.0	0.0
156	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157	0.0	0.0	0.0	0.0	0.0	0.0	0.0
161	0.0	0.0	0.0	0.0	0.0	0.0	0.0
166	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167	0.0	0.0	0.0	0.0	0.0	0.0	0.0
168	0.0	0.0	0.0	0.0	0.0	0.0	0.0
169	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170	0.0	0.0	0.0	0.0	0.0	0.0	0.0
171	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172	0.0	0.0	0.0	0.0	0.0	0.0	0.0
173	0.0	0.0	0.0	0.0	0.0	0.0	0.0
174	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175	0.0	0.0	0.0	0.0	0.0	0.0	0.0
176	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177	0.0	0.0	0.0	0.0	0.0	0.0	0.0
178	0.0	0.0	0.0	0.0	0.0	0.0	0.0
179	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180	0.0	0.0	0.0	0.0	0.0	0.0	0.0
181	0.0	0.0	0.0	0.0	0.0	0.0	0.0
182	0.0	0.0	0.0	0.0	0.0	0.0	0.0
183	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Trave	v.Omeg	V N/M	V stab	V[7.5.4]	M Ed	V[7.5.5]	N Ed	V[7.5.6]	V Ed,G	V Ed,M
				0.0	0.0	0.0	0.0	0.0	0.0	0.0
				0.0	0.0	0.0	0.0	0.0	0.0	0.0

Pilas.	Stato	Note	V V/T	V N/M	V stab	Cl.LamS	22LamS	33	Snell.	Chi mn	V flstLamS	LT	Chi LT	Rif. cmb
10	oks=15,m=12	0.03	0.26	0.24		1	2.0	1.2	177.7	0.19	0.16	0.2	1.00	23,32,32,23
11	oks=15,m=12	7.98e-03	0.13			1	0.7	0.4	59.2	0.74	0.10	0.1	1.00	27,33,0,30
12	oks=15,m=12	0.06	0.14			1	0.4	0.2	34.0	0.90	0.13	7.80e-02	1.00	3,3,0,25
13	oks=15,m=12	0.02	0.27	0.26		1	2.0	1.2	177.7	0.19	0.11	0.2	1.00	24,44,44,24
15	oks=15,m=12	0.03	0.15	0.15		1	1.7	1.0	143.8	0.27	0.13	0.2	1.00	30,27,26,30
23	oks=15,m=12	0.03	0.20	0.20		1	2.0	1.2	177.7	0.19	0.18	0.2	1.00	26,30,26,26
52	ok s=3,m=12	0.04	0.17			1	1.0	0.6	89.4	0.52	0.17	0.1	1.00	30,30,0,30
55	oks=15,m=12	8.98e-03	0.06			1	1.9	1.1	161.9	0.22	0.05	0.2	1.00	30,30,0,30
56	oks=15,m=12	0.02	0.11			1	1.9	1.1	161.9	0.22	0.09	0.4	1.00	30,30,0,30
57	oks=15,m=12	0.01	0.09			1	1.9	1.1	161.9	0.22	0.07	0.2	1.00	28,4,0,4
58	oks=15,m=12	0.02	0.18			1	1.4	0.8	122.4	0.35	0.08	0.2	1.00	23,45,0,4
59	oks=15,m=12	0.02	0.16	0.18		1	2.0	1.2	177.7	0.19	0.15	0.2	1.00	26,23,26,26
60	oks=15,m=12	0.02	0.19	0.31		1	2.0	1.2	177.7	0.19	0.13	0.2	1.00	25,25,4,25
61	oks=15,m=12	0.02	0.13			1	1.4	0.8	122.4	0.35	0.09	0.2	1.00	30,42,0,26
62	oks=15,m=12	3.76e-03	0.08			1	0.6	0.4	54.0	0.77	0.03	0.1	1.00	26,45,0,27
63	oks=15,m=12	0.01	0.06			1	1.9	1.1	161.9	0.22	0.05	0.2	1.00	30,30,0,30
64	oks=15,m=12	0.01	0.06			1	1.9	1.1	161.9	0.22	0.05	0.4	1.00	26,34,0,30
65	oks=15,m=12	0.02	0.08			1	1.9	1.1	161.9	0.22	0.07	0.4	1.00	33,33,0,33
66	oks=15,m=12	0.03	0.21	0.14		1	1.4	0.8	122.4	0.35	0.12	0.3	1.00	32,32,9,32
67	oks=15,m=12	6.93e-03	0.08			1	1.4	0.8	122.4	0.35	0.05	0.2	1.00	25,43,0,45
73	oks=15,m=12	0.02	0.10	0.11		1	1.7	1.0	143.8	0.27	0.09	0.2	1.00	24,24,29,24
74	oks=15,m=12	0.02	0.18			1	0.9	0.5	75.4	0.62	0.08	0.1	1.00	32,32,0,32
75	oks=15,m=12	0.03	0.13			1	0.9	0.5	75.4	0.62	0.09	0.1	1.00	33,33,0,33
83	oks=15,m=12	0.02	0.10			1	0.5	0.3	39.5	0.87	0.06	7.99e-02	1.00	32,9,0,9
84	oks=15,m=12	0.02	0.17			1	0.5	0.3	39.5	0.87	0.10	8.88e-02	1.00	25,32,0,33
88	oks=15,m=12	0.03	0.31	0.25		1	1.2	0.7	102.3	0.44	0.15	0.2	1.00	32,32,32,32
89	oks=15,m=12	0.01	0.15	0.18		1	2.0	1.2	177.7	0.19	0.14	0.3	1.00	45,45,49,45
90	oks=15,m=12	0.03	0.19	0.14		1	1.2	0.7	102.3	0.44	0.15	0.2	1.00	33,33,38,33
94	oks=15,m=12	0.02	0.11			1	0.5	0.3	39.5	0.87	0.07	7.97e-02	1.00	9,45,0,11

95	oks=15,m=12	0.02	0.12		1	0.5	0.3	39.5	0.87	0.08 8.00e-02	1.00	30,27,0,30
100	oks=15,m=12	0.06	0.15		1	0.4	0.2	34.0	0.90	0.13 6.61e-02	1.00	27,30,0,30
101	oks=15,m=12	0.01	0.28	0.23	1	2.0	1.2	177.7	0.19	0.11 0.3	1.00	32,45,45,32
102	oks=15,m=129.62e-03	0.19			1	1.4	0.8	122.4	0.35	0.06 0.2	1.00	32,44,0,32
105	oks=15,m=12	0.04	0.08		1	0.5	0.3	39.5	0.87	0.06 9.18e-02	1.00	21,33,0,45
130	ok s=3,m=12 2.25e-03	0.02			1	1.0	0.6	89.4	0.52	0.01 0.2	1.00	23,49,0,23
133	ok s=3,m=12	0.02	0.06		1	0.6	0.4	56.2	0.76	0.06 8.55e-02	1.00	30,25,0,30
135	ok s=3,m=12	0.05	0.21		1	1.0	0.6	89.4	0.52	0.21 0.1	1.00	30,30,0,30
136	ok s=3,m=12 2.53e-03	0.02			1	1.0	0.6	89.4	0.52	0.02 0.2	1.00	43,43,0,23
137	ok s=3,m=12 5.57e-03	0.08			1	1.1	0.7	98.1	0.47	0.07 0.2	1.00	26,26,0,26
138	ok s=3,m=12 5.58e-03	0.09			1	1.1	0.7	98.1	0.47	0.07 0.2	1.00	26,39,0,26
139	ok s=3,m=12 1.71e-03	0.07			1	1.0	0.6	89.4	0.52	0.02 0.2	1.00	45,45,0,23
142	ok s=3,m=12 5.42e-03	0.04			1	1.1	0.7	98.1	0.47	0.04 0.2	1.00	26,30,0,26
143	ok s=3,m=12 4.37e-03	0.02			1	1.1	0.7	98.1	0.47	0.02 0.1	1.00	26,43,0,34
144	ok s=3,m=12 5.37e-03	0.05			1	1.1	0.7	98.1	0.47	0.04 0.2	1.00	26,30,0,26
145	ok s=3,m=12 4.52e-03	0.09			1	1.1	0.7	98.1	0.47	0.02 0.1	1.00	26,45,0,34
146	oks=15,m=12	0.04	0.11		1	0.7	0.4	59.2	0.74	0.10 1.00e-01	1.00	30,30,0,30
147	ok s=3,m=12 4.62e-03	0.04	0.10		1	1.1	0.7	98.1	0.47	0.04 0.2	1.00	30,30,27,30
148	oks=15,m=12	0.02	0.11		1	0.7	0.4	59.2	0.74	0.07 0.1	1.00	27,32,0,27
149	ok s=3,m=12	0.05	0.22	0.24	1	1.1	0.7	98.1	0.47	0.22 0.2	1.00	30,30,27,30
158	oks=15,m=12	0.02	0.05		1	0.6	0.4	54.0	0.77	0.04 8.21e-02	1.00	30,25,0,30
159	oks=15,m=12 3.07e-03	0.08			1	0.6	0.4	54.0	0.77	0.05 0.1	1.00	44,33,0,27
160	ok s=3,m=12	0.01	0.04		1	1.0	0.6	89.4	0.52	0.04 0.1	1.00	30,30,0,30
162	ok s=3,m=12 2.86e-03	0.02			1	1.0	0.6	89.4	0.52	0.02 0.2	1.00	45,47,0,23
163	ok s=3,m=12	0.10	0.26		1	0.5	0.3	41.9	0.85	0.25 7.80e-02	1.00	27,30,0,30
164	ok s=3,m=12 4.62e-03	0.03			1	1.0	0.6	89.4	0.52	0.02 0.2	1.00	45,33,0,23
165	ok s=3,m=12 2.32e-03	0.06			1	1.0	0.6	89.4	0.52	0.01 0.2	1.00	23,45,0,23

Pilas.	V V/T	V N/M	V stab	LamS 22	LamS 33	Snell.	Chi mn	V flst	LamS LT	Chi LT
							0.19			1.00
	0.10	0.31	0.31	2.05	1.21	177.72		0.25	0.39	

Pilas.	f.Om. N	f.Om. T	Stato	V V/T	V N/M	V stab	V flst	Rif. cmbV[7.5.10]	V Ed	sovr. Xi	sovr. Xf	sovr. Yi	sovr. Yf
									daN				
10	0.0	0.0	ok	0.0	0.0			0,0,0,0					
11	0.0	0.0	ok	0.0	0.0			0,0,0,0					
12	0.0	0.0	ok	0.0	0.0			0,0,0,0					
13	0.0	0.0	ok	0.0	0.0			0,0,0,0					
15	0.0	0.0	ok	0.0	0.0			0,0,0,0					
23	0.0	0.0	ok	0.0	0.0			0,0,0,0					
52	0.0	0.0	ok	0.0	0.0			0,0,0,0					
55	0.0	0.0	ok	0.0	0.0			0,0,0,0					
56	0.0	0.0	ok	0.0	0.0			0,0,0,0					
57	0.0	0.0	ok	0.0	0.0			0,0,0,0					
58	0.0	0.0	ok	0.0	0.0			0,0,0,0					
59	0.0	0.0	ok	0.0	0.0			0,0,0,0					
60	0.0	0.0	ok	0.0	0.0			0,0,0,0					
61	0.0	0.0	ok	0.0	0.0			0,0,0,0					
62	0.0	0.0	ok	0.0	0.0			0,0,0,0					
63	0.0	0.0	ok	0.0	0.0			0,0,0,0					
64	0.0	0.0	ok	0.0	0.0			0,0,0,0					
65	0.0	0.0	ok	0.0	0.0			0,0,0,0					
66	0.0	0.0	ok	0.0	0.0			0,0,0,0					
67	0.0	0.0	ok	0.0	0.0			0,0,0,0					
73	0.0	0.0	ok	0.0	0.0			0,0,0,0					
74	0.0	0.0	ok	0.0	0.0			0,0,0,0					
75	0.0	0.0	ok	0.0	0.0			0,0,0,0					
83	0.0	0.0	ok	0.0	0.0			0,0,0,0					
84	0.0	0.0	ok	0.0	0.0			0,0,0,0					
88	0.0	0.0	ok	0.0	0.0			0,0,0,0					
89	0.0	0.0	ok	0.0	0.0			0,0,0,0					
90	0.0	0.0	ok	0.0	0.0			0,0,0,0					
94	0.0	0.0	ok	0.0	0.0			0,0,0,0					
95	0.0	0.0	ok	0.0	0.0			0,0,0,0					
100	0.0	0.0	ok	0.0	0.0			0,0,0,0					
101	0.0	0.0	ok	0.0	0.0			0,0,0,0					
102	0.0	0.0	ok	0.0	0.0			0,0,0,0					
105	0.0	0.0	ok	0.0	0.0			0,0,0,0					
130	0.0	0.0	ok	0.0	0.0			0,0,0,0					
133	0.0	0.0	ok	0.0	0.0			0,0,0,0					
135	0.0	0.0	ok	0.0	0.0			0,0,0,0					
136	0.0	0.0	ok	0.0	0.0			0,0,0,0					
137	0.0	0.0	ok	0.0	0.0			0,0,0,0					
138	0.0	0.0	ok	0.0	0.0			0,0,0,0					
139	0.0	0.0	ok	0.0	0.0			0,0,0,0					
142	0.0	0.0	ok	0.0	0.0			0,0,0,0					

143	0.0	0.0	ok	0.0	0.0	0,0,0,0
144	0.0	0.0	ok	0.0	0.0	0,0,0,0
145	0.0	0.0	ok	0.0	0.0	0,0,0,0
146	0.0	0.0	ok	0.0	0.0	0,0,0,0
147	0.0	0.0	ok	0.0	0.0	0,0,0,0
148	0.0	0.0	ok	0.0	0.0	0,0,0,0
149	0.0	0.0	ok	0.0	0.0	0,0,0,0
158	0.0	0.0	ok	0.0	0.0	0,0,0,0
159	0.0	0.0	ok	0.0	0.0	0,0,0,0
160	0.0	0.0	ok	0.0	0.0	0,0,0,0
162	0.0	0.0	ok	0.0	0.0	0,0,0,0
163	0.0	0.0	ok	0.0	0.0	0,0,0,0
164	0.0	0.0	ok	0.0	0.0	0,0,0,0
165	0.0	0.0	ok	0.0	0.0	0,0,0,0

Pilas.	V V/T	V N/M	V stab	V flst	V[7.5.10]	V Ed sovr.	Xi sovr.	Xf sovr.	Yi sovr.	Yf
	0.0	0.0								

STATI LIMITE D' ESERCIZIO ACCIAIO

LEGENDA TABELLA STATI LIMITE D' ESERCIZIO ACCIAIO

In tabella vengono riportati i valori di interesse per il controllo degli stati limite d'esercizio.

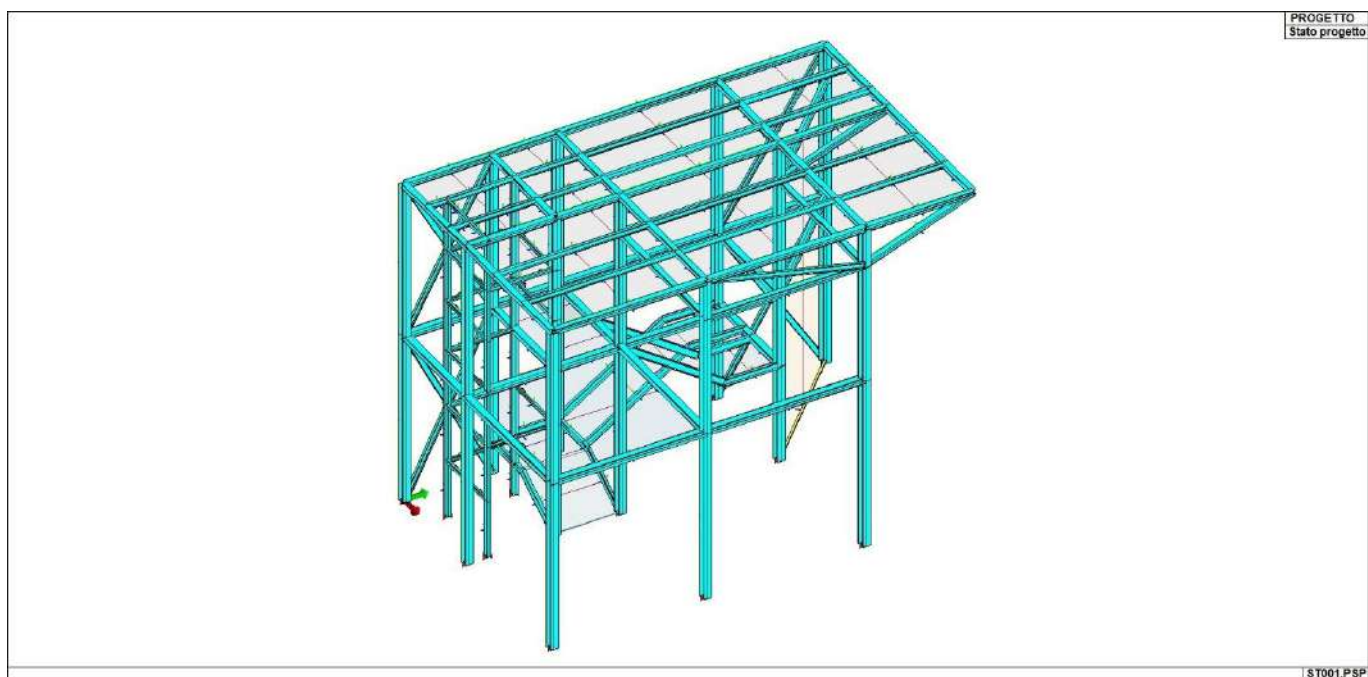
In particolare vengono riportati, per gli elementi trave, i risultati relativi alle combinazioni considerate (rare o caratteristiche).

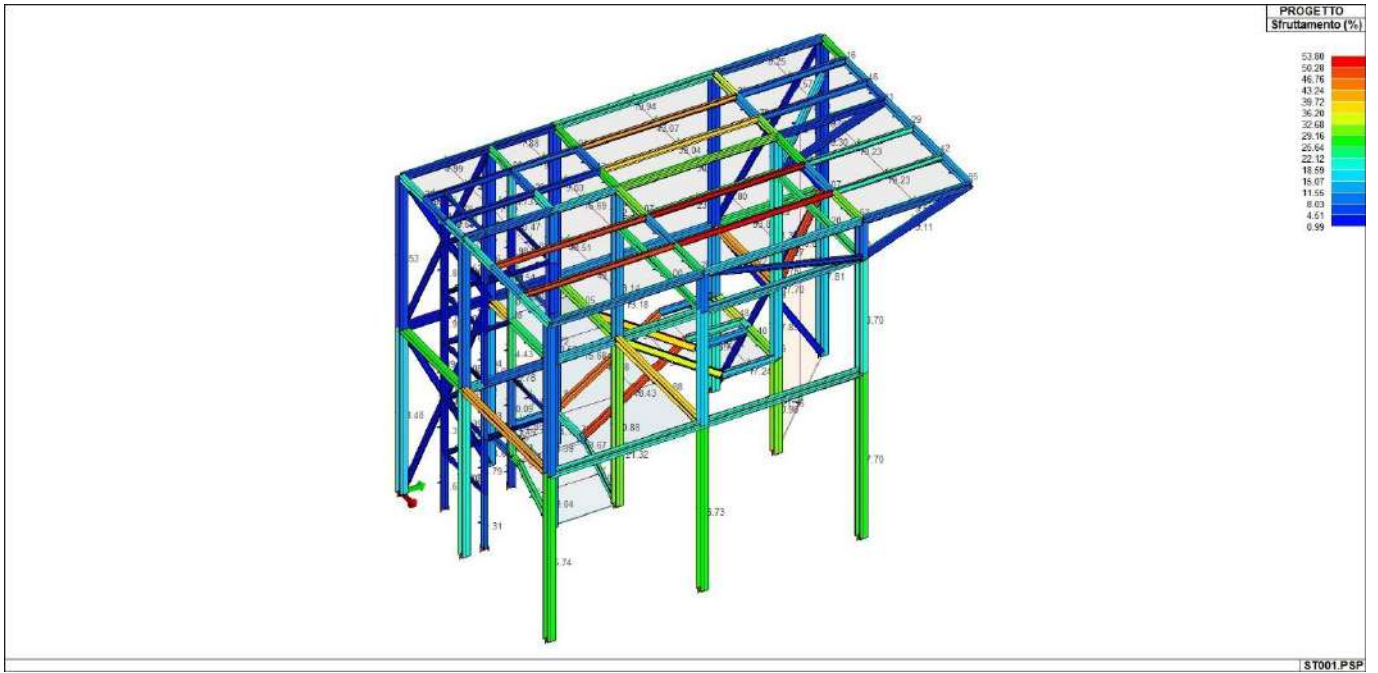
I valori di interesse sono i seguenti:

f^*1000/L	massima deformazione normalizzata in combinazioni rare

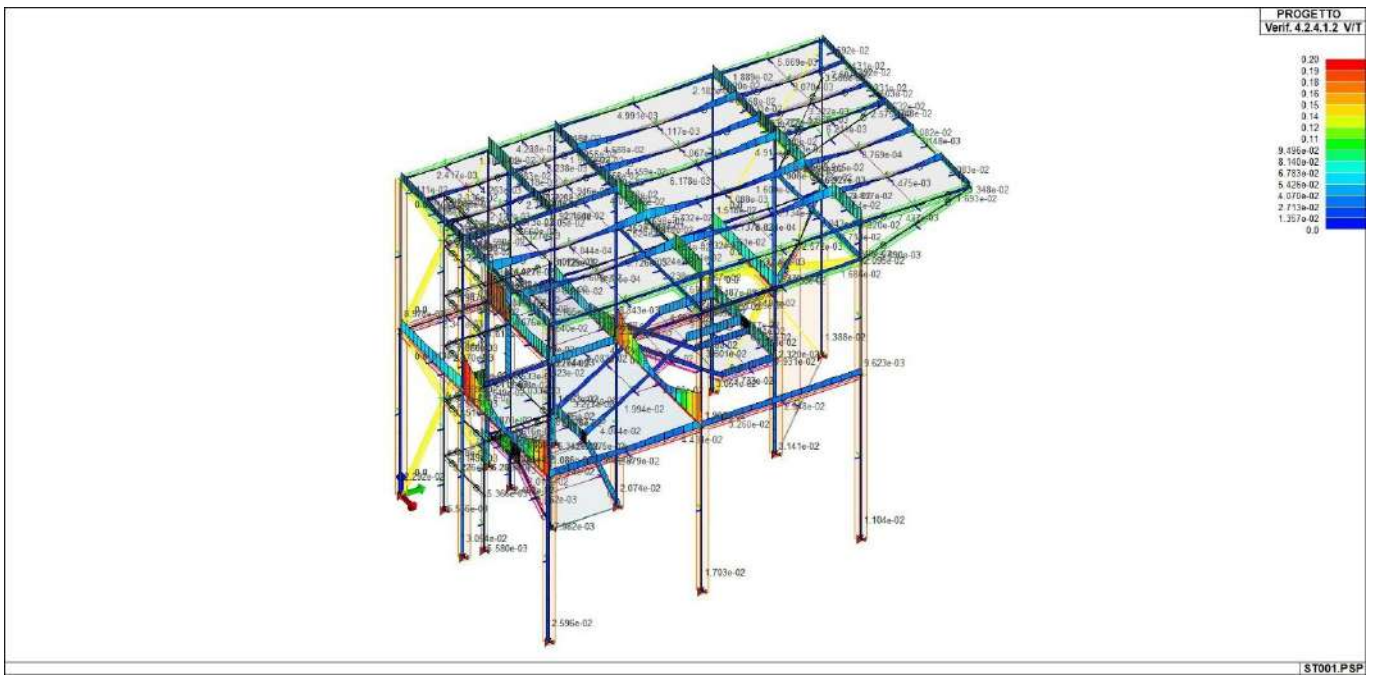
Si precisa che i valori di massima deformazione per travi sono riferiti ai due piani locali (1-2 con momenti flettenti 3-3 e 1-3 con momenti flettenti 2-2). Il valore riportato (massimo) è espresso in 1000/L per rendere agevole il confronto di più valori e in particolare di più range di valori (ad esempio 2 rappresenta L/500, 4 L/250 e così via).

Trave	f*1000/L	Trave	f*1000/L	Trave	f*1000/L	Trave	f*1000/L	Trave	f*1000/L	Trave	f*1000/L	Trave	f*1000/L
14	2.1	16	0.2	17	6.23e-02	18	0.1	19	2.7	20	2.4	21	0.1
22	0.7	24	0.8	25	0.1	26	0.1	27	0.1	28	0.1	29	0.1
30	0.1	31	1.0	32	0.8	33	0.8	34	0.2	35	1.4	36	0.4
37	0.6	38	0.3	39	1.3	40	0.6	41	0.7	42	0.3	43	0.2
44	0.2	45	0.3	46	0.4	47	0.4	48	0.4	49	1.3	50	1.3
51	0.7	53	0.6	54	1.3	68	1.6	69	0.8	70	2.9	71	1.5
72	1.8	76	0.9	77	0.3	78	1.1	79	1.5	80	1.2	81	1.6
82	0.2	85	1.7	86	1.0	87	0.3	91	0.5	92	0.4	93	2.4
96	1.3	97	1.3	98	0.2	99	1.2	103	0.7	104	0.9	106	0.3
107	0.7	108	0.3	109	1.3	110	0.3	111	1.1	112	0.6	113	2.8
114	3.2	115	3.6	116	1.2	117	3.2	118	3.6	119	1.5	120	0.4
121	0.4	122	0.5	123	0.5	124	0.5	125	1.4	126	0.1	127	0.4
128	2.9	129	0.6	132	0.1	134	9.56e-02	140	0.1	141	0.2	150	2.31e-02
151	2.81e-02	152	1.73e-02	153	7.79e-02	154	6.91e-02	155	7.83e-02	156	0.1	157	0.1
161	9.66e-02	166	6.94e-02	167	0.1	168	0.1	169	0.2	170	0.2	171	0.2
172	0.2	173	0.5	174	0.2	175	0.8	176	0.4	177	2.6	178	0.9
179	0.2	180	0.2	181	0.3	182	0.4	183	0.9				

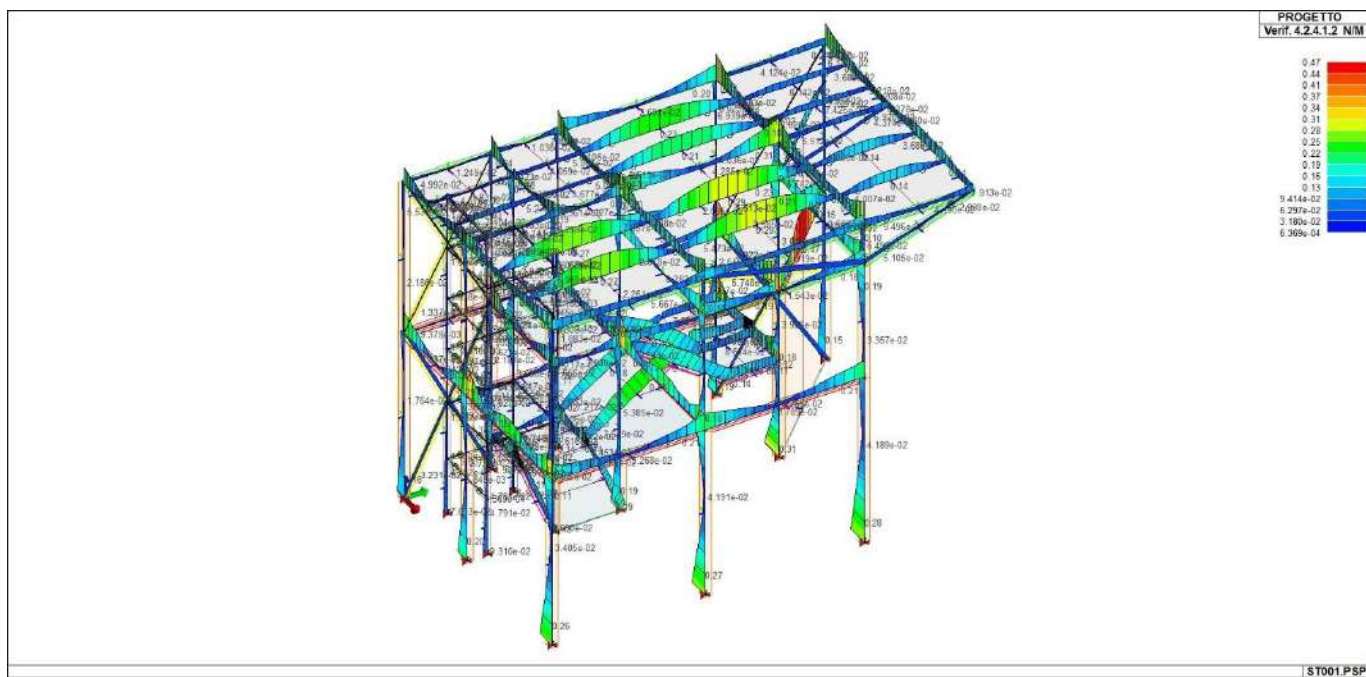




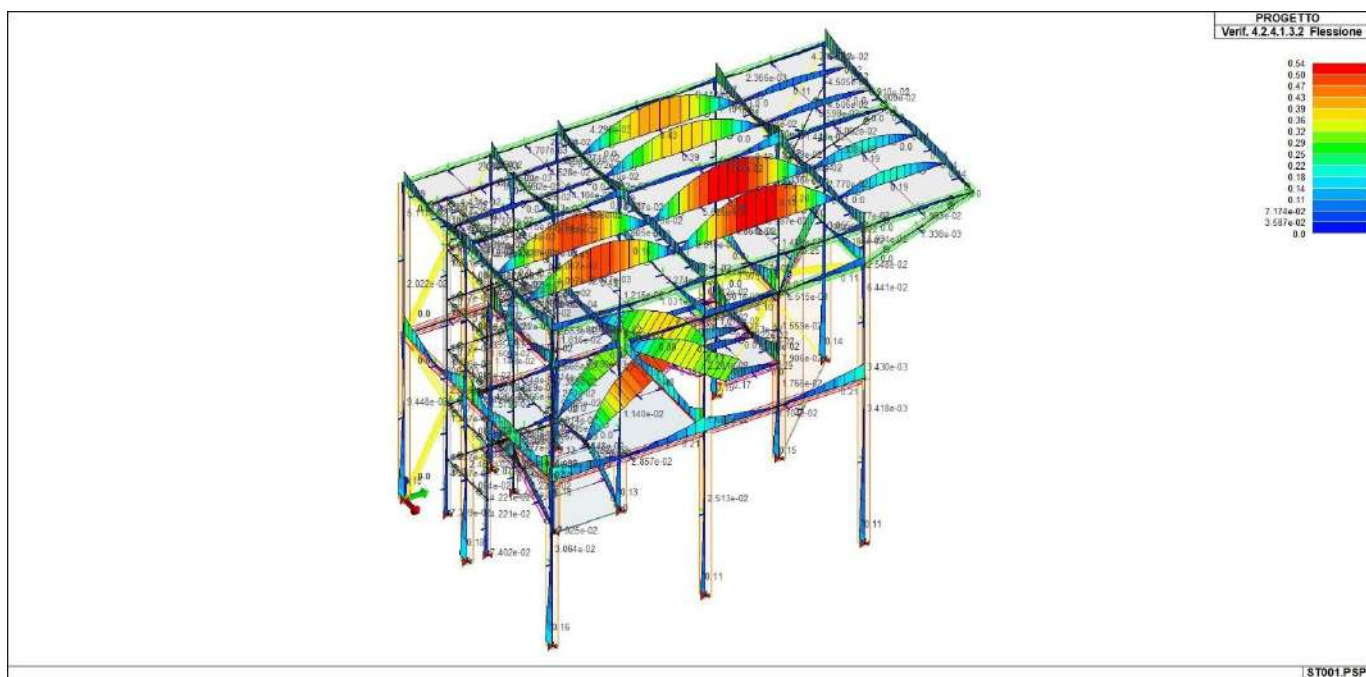
73_ST_02_Sfruttamento



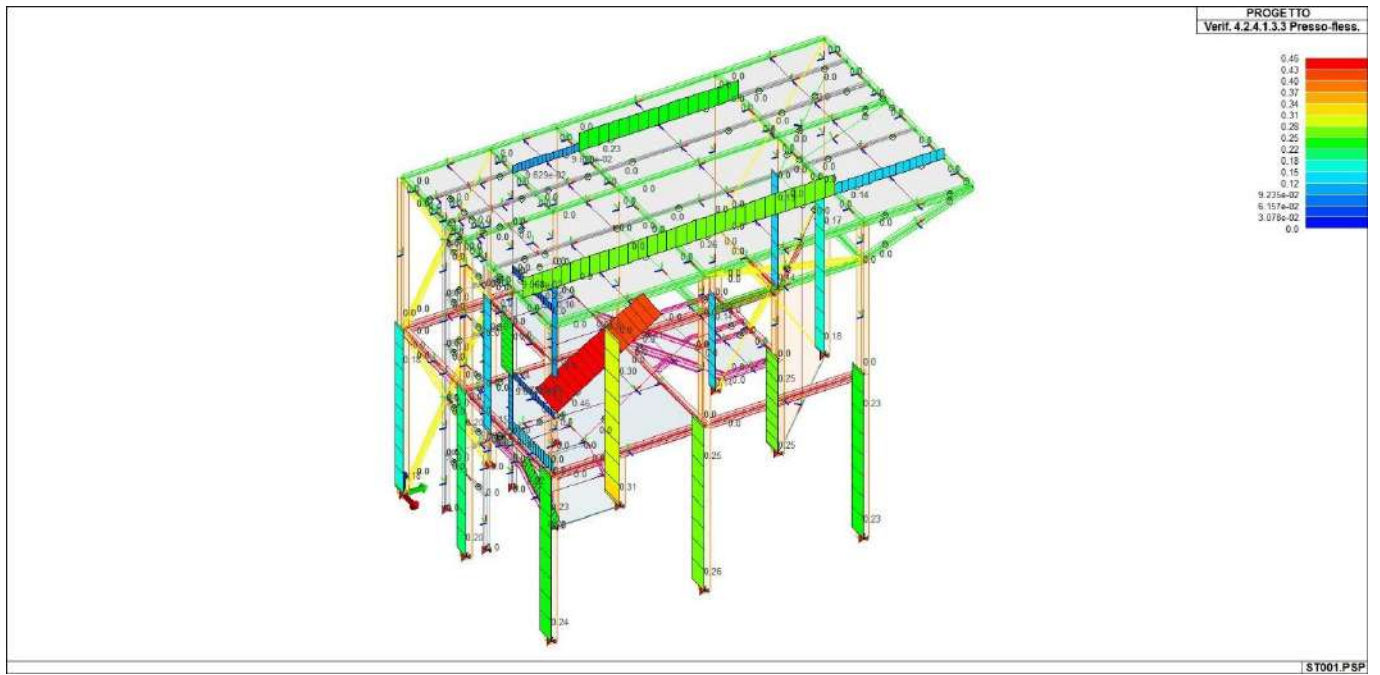
73_ST_15_Verif 42412 VT



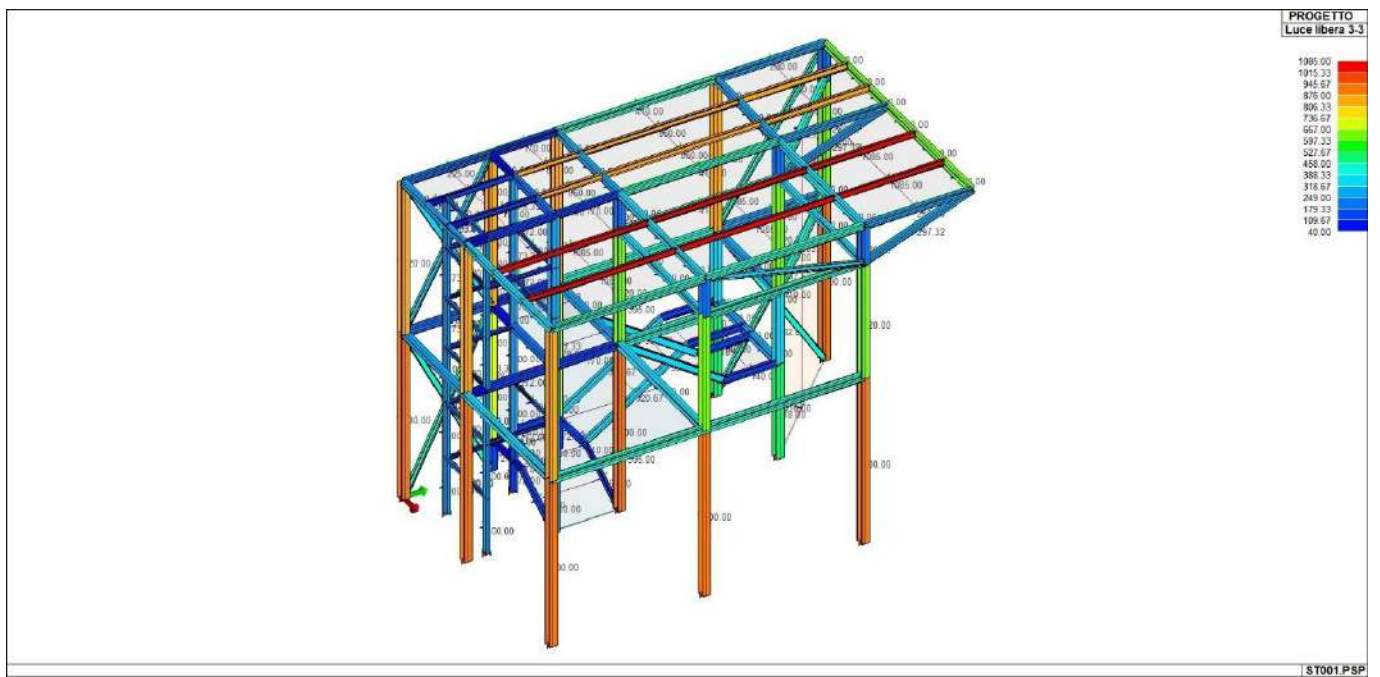
73_ST_16_Verif 42412 NM



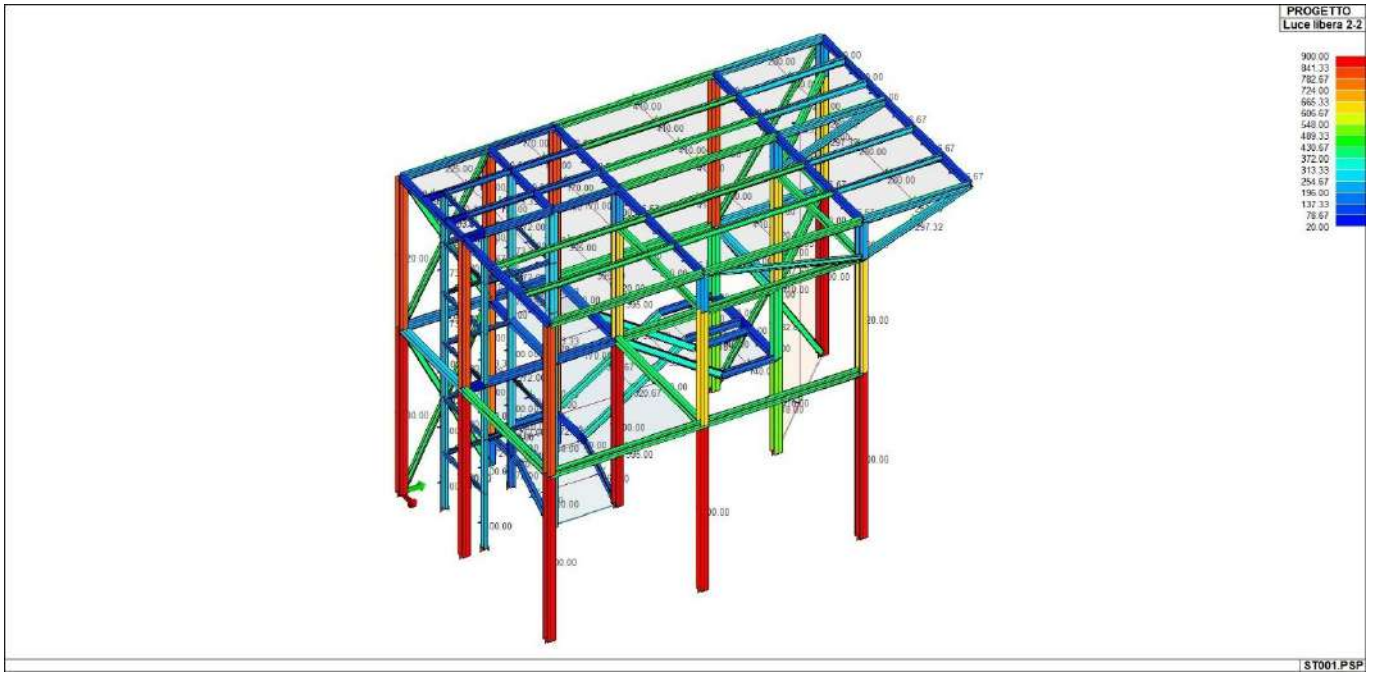
73_ST_17_Verif 424132 Flessione



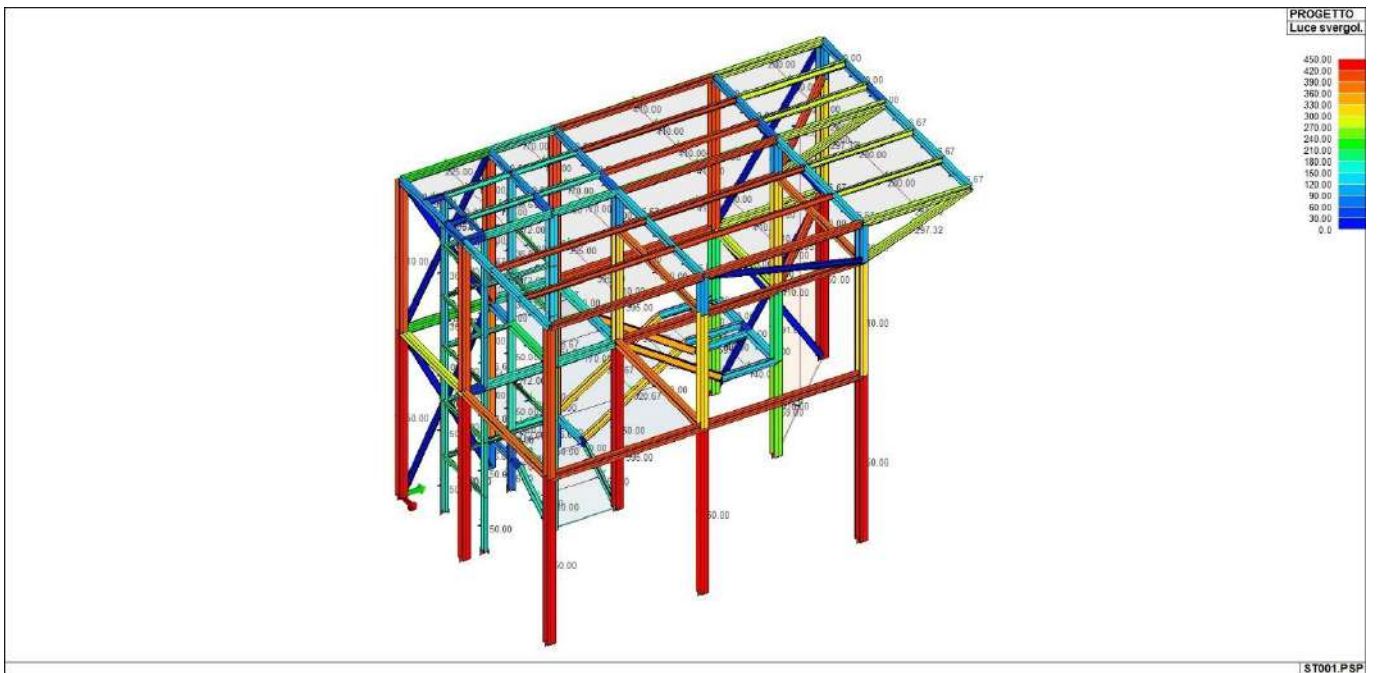
73_ST_18_Verif 424133 Presso-fless



73_ST_43_Luce libera 3-3

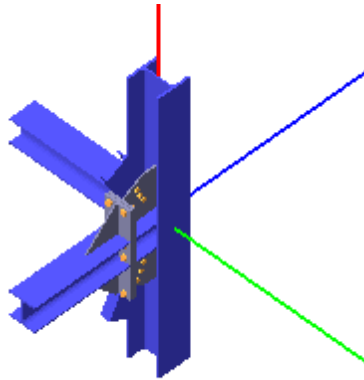


73_ST_44_Luce libera 2-2



73_ST_45_Luce svergol

Verifica secondo il D.M. 17/01/2018 del nodo 16



Colonna

Tipo di profilo: HEB 200

Materiale: Acciaio S275 $f_y = 275 \text{ N/mm}^2$ $f_t = 430 \text{ N/mm}^2$ $\gamma_{ov} = 1.25$

Classe sezione: 1

Coefficienti di sicurezza utilizzati

$\gamma_{M0} = 1.05$

$\gamma_{M1} = 1.10$

$\gamma_{M2} = 1.25$

Trave lato 2-

Tipo di profilo: HEA 160

Materiale: Acciaio S275 $f_y = 275 \text{ N/mm}^2$ $f_t = 430 \text{ N/mm}^2$ $\gamma_{ov} = 1.25$

Classe sezione: 1

Flangia:

Materiale: Acciaio S275 $f_y = 275 \text{ N/mm}^2$ $f_t = 430 \text{ N/mm}^2$ $\gamma_{ov} = 1.25$

Dimensioni (B x H x Sp): 160.0 x 208.2 x 15.0 mm

Spessore nervature verticali: 6.0 mm

Bullonature:

Viti cl. 8.8 Dadi 8 o 10 ($f_{yb} = 640 \text{ N/mm}^2$, $f_{tb} = 800 \text{ N/mm}^2$)

Diametro gambo $\varnothing = 20 \text{ mm}$ $A_{res} = 245.0 \text{ mm}^2$ (ridotta per filettatura)

Diametro dado/testa $d_m = 30 \text{ mm}$

Diametro foro $\varnothing_0 = 21 \text{ mm}$

Rigidezza giunto (calcolata secondo EN 1993-1-8 : 2005 par. 6.3):

$S_{j,ini} = 17036310000 \text{ N mm / rad}$

Saldature:

Materiale: Acciaio S275 $f_y = 275 \text{ N/mm}^2$ $f_t = 430 \text{ N/mm}^2$ $\beta_1 = 0.70$ $\beta_2 = 0.85$

Spessore cordoni d'angolo $s_c = 10 \text{ mm}$

Sollecitazioni nella sezione d'attacco dell'elemento:

Nodo.CMB	V2 [N]	V3 [N]	N [N]	M2 [N mm]	M3 [N mm]	T [N mm]
16.1	1887.4	16.9	311.6	-25862.0	-328068.0	165.0
16.2	1919.7	16.5	381.1	-25192.0	-354959.0	137.0
16.3	595.2	33.2	659.2	-48986.0	603755.0	94.0
16.4	627.5	32.7	728.7	-48316.0	576864.0	67.0
16.5	1495.4	15.9	233.2	-24465.0	-274183.0	173.0
16.6	1527.7	15.5	302.7	-23795.0	-301074.0	145.0
16.7	203.2	32.2	580.8	-47588.0	657640.1	102.0
16.8	235.5	31.7	650.3	-46919.0	630749.0	75.0
16.9	1952.0	16.0	450.6	-24523.0	-381850.0	110.0

16.10	982.8	28.3	554.9	-42049.0	324202.0	115.0
16.11	1047.4	27.4	693.9	-40709.0	270420.0	61.0
16.12	1560.0	15.0	372.2	-23125.0	-327965.0	118.0
16.13	590.9	27.3	476.5	-40651.0	378097.0	123.0
16.14	655.5	26.4	615.5	-39312.0	324315.0	68.0
16.15	1894.1	25.4	319.8	-39259.0	-335242.0	313.0
16.16	1926.4	25.0	389.3	-38590.0	-362133.0	285.0
16.17	989.6	36.8	563.1	-55446.0	317038.0	263.0
16.18	1021.9	36.4	632.6	-54776.0	290148.0	236.0
16.19	1502.2	24.5	241.4	-37862.0	-281347.0	320.0
16.20	1534.5	24.0	310.9	-37192.0	-308238.0	293.0
16.21	597.6	35.8	484.7	-54049.0	370923.0	271.0
16.22	629.9	35.4	554.2	-53379.0	344032.0	244.0
16.23	-11070.8	8.5	5133.2	-11658.0	16452920.0	-120.0
16.24	-7424.4	-20.6	2745.3	29805.0	11547560.0	1391.0
16.25	9831.6	33.3	-2153.8	-47867.0	-11676840.0	-1512.0
16.26	13478.0	4.3	-4541.7	-6405.0	-16592200.0	-1.0
16.27	-10952.5	7.3	4873.8	-9665.0	16294750.0	33.0
16.28	-7542.6	-19.4	3004.7	27812.0	11705740.0	1237.0
16.29	9949.8	32.2	-2413.3	-45875.0	-11835020.0	-1359.0
16.30	13359.7	5.4	-4282.3	-8398.0	-16424030.0	-154.0
16.31	-8793.3	69.4	6012.1	-98585.0	13400670.0	1247.0
16.32	-5146.9	40.3	3624.2	-57123.0	8491310.0	2758.0
16.33	7554.1	-27.5	-3032.8	39060.0	-8623590.0	-2879.0
16.34	11200.5	-56.6	-5420.7	80522.0	-13539950.0	-1368.0
16.35	-8675.0	68.2	5752.7	-96592.0	13242500.0	1400.0
16.36	-5265.2	41.5	3883.7	-59115.0	8652480.0	2605.0
16.37	7672.4	-28.7	-3292.2	41053.0	-8784760.0	-2726.0
16.38	11082.2	-55.4	-5161.2	78530.0	-13371780.0	-1521.0
16.39	-8009.2	51.1	5368.6	-72704.0	12339080.0	-2370.0
16.40	4145.7	-45.8	-2591.0	65504.0	-4035430.0	2667.0
16.41	-1738.5	58.6	3182.5	-83566.0	3903150.0	-2788.0
16.42	10416.4	-38.3	-4777.2	54641.0	-12478360.0	2249.0
16.43	-7325.9	69.4	5632.3	-98782.0	11427410.0	-1960.0
16.44	4828.9	-27.5	-2327.4	39426.0	-4950110.0	3077.0
16.45	-2421.7	40.3	2918.8	-57488.0	4818830.0	-3198.0
16.46	9733.1	-56.6	-5040.8	80719.0	-11556690.0	1839.0
16.47	-7614.9	47.2	4503.8	-66062.0	11808510.0	-1859.0
16.48	3751.4	-41.9	-1726.2	58862.0	-3498860.0	2155.0
16.49	-1344.2	54.7	2317.7	-76925.0	3366580.0	-2276.0
16.50	10022.1	-34.4	-3912.4	47999.0	-11937790.0	1738.0
16.51	-6931.6	65.5	4767.5	-92140.0	10886840.0	-1449.0
16.52	4434.6	-23.6	-1462.6	32784.0	-4414540.0	2565.0
16.53	-2027.4	36.4	2054.0	-50846.0	4282260.0	-2686.0
16.54	9338.8	-52.7	-4176.0	74077.0	-11026120.0	1328.0

Calcolo resistenze

Resistenza a trazione dei bulloni

$$F_{tb,Rd} = 0.9 \cdot f_{tb} \cdot A_{res} / \gamma_{M2} = 141145.5 \text{ N}$$

Resistenza a punzonamento flangia

$$B_{pf,Rd} = 0.6 \cdot \pi \cdot d_m \cdot t_f \cdot f_{tk} / \gamma_{M2} = 291791.1 \text{ N}$$

Resistenza a punzonamento ala passante

$$B_{pa,Rd} = 0.6 \cdot \pi \cdot d_m \cdot t_a \cdot f_{tk} / \gamma_{M2} = 291791.1 \text{ N}$$

Bull.	$F_{f,Rd}$ [N]	$F_{t,Rd}$ [N]
1	40276.4	40276.4
2	41641.9	41641.9
3	41641.9	41641.9
4	40276.4	40276.4
5	41641.9	41641.9
6	41641.9	41641.9

Legenda

$F_{f,Rd} = M_{res,m} / (B_m \cdot R_m)$ resistenza a flessione flangia

$F_{t,Rd} = \min [F_{tb,Rd} , B_{pf,Rd} , B_{pa,Rd} , F_{f,Rd}]$ resistenza a trazione di progetto

Resistenza a taglio dei bulloni

$$F_{vb,Rd} = 0.6 \cdot f_{tb} \cdot A_{res} / \gamma_{M2} =$$

94097.0 N

Bull.	$F_{bf,x,Rd}$ [N]	$F_{ba,x,Rd}$ [N]	$F_{v,x,Rd}$ [N]	$F_{bf,y,Rd}$ [N]	$F_{ba,y,Rd}$ [N]	$F_{v,y,Rd}$ [N]
1	78314.1	199847.6	78314.1	88339.2	258000.0	88339.2
2	117942.9	199847.6	94097.0	193680.2	226261.9	94097.0
3	117942.9	199847.6	94097.0	140221.0	258000.0	94097.0
4	78314.1	199847.6	78314.1	88339.2	258000.0	88339.2
5	117942.9	199847.6	94097.0	193680.2	226261.9	94097.0
6	117942.9	199847.6	94097.0	140221.0	258000.0	94097.0

Legenda

$F_{bf,x,Rd} = k \cdot \alpha \cdot f_{tk} \cdot \varnothing \cdot t_f / \gamma_{M2}$ resistenza a rifollamento flangia in direzione x

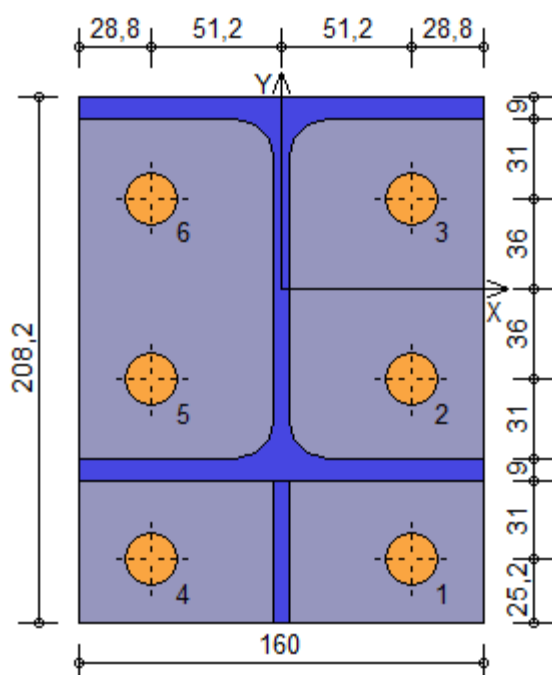
$F_{ba,x,Rd} = k \cdot \alpha \cdot f_{tk} \cdot \varnothing \cdot t_a / \gamma_{M2}$ resistenza a rifollamento ala passante in direzione x

$F_{v,x,Rd} = \min [F_{vb,Rd} , F_{bf,x,Rd} , F_{ba,x,Rd}]$ resistenza a taglio di progetto in direzione x

$F_{bf,y,Rd} = k \cdot \alpha \cdot f_{tk} \cdot \varnothing \cdot t_f / \gamma_{M2}$ resistenza a rifollamento flangia in direzione y

$F_{ba,y,Rd} = k \cdot \alpha \cdot f_{tk} \cdot \varnothing \cdot t_a / \gamma_{M2}$ resistenza a rifollamento ala passante in direzione y

$F_{v,y,Rd} = \min [F_{vb,Rd} , F_{bf,y,Rd} , F_{ba,y,Rd}]$ resistenza a taglio di progetto in direzione y



Verifiche sui bulloni

1-Taglio e trazione (Nodo n. 16, CMB n. 26)

Bull.	X [mm]	Y [mm]	$F_{v,Ed}$ [N]	$F_{v,Rd}$ [N]	$F_{t,Ed}$ [N]	$F_{t,Rd}$ [N]	FV ₁	VER
1	51.20	-107.00	2246.3	88339.2	0.0	40276.4	0.025429	Ok
2	51.20	-36.00	2246.3	94097.0	18678.2	41641.9	0.344262	Ok
3	51.20	36.00	2246.3	94097.0	40994.9	41641.9	0.727060	Ok
4	-51.20	-107.00	2246.3	88339.2	0.0	40276.4	0.025428	Ok
5	-51.20	-36.00	2246.3	94097.0	18690.1	41641.9	0.344465	Ok
6	-51.20	36.00	2246.3	94097.0	41006.7	41641.9	0.727264	Ok

2-Trazione (Nodo n. 16, CMB n. 26)

Bull.	X [mm]	Y [mm]	$F_{t,Ed}$ [N]	$F_{t,Rd}$ [N]	FV ₂	VER
1	51.20	-107.00	0.0	40276.4	0.000000	Ok
2	51.20	-36.00	18678.2	41641.9	0.448545	Ok
3	51.20	36.00	40994.9	41641.9	0.984463	Ok
4	-51.20	-107.00	0.0	40276.4	0.000000	Ok
5	-51.20	-36.00	18690.1	41641.9	0.448830	Ok
6	-51.20	36.00	41006.7	41641.9	0.984748	Ok

Legenda

$F_{v,Ed}$ forza di taglio agente sul bullone

$F_{v,Rd}$ resistenza a taglio di progetto del bullone

$F_{t,Ed}$ forza di trazione agente sul bullone

$F_{t,Rd}$ resistenza a trazione di progetto del bullone

$$FV_1 = F_{v,Ed} / F_{v,Rd} + F_{t,Ed} / (1.4 \cdot F_{t,Rd})$$

$$FV_2 = F_{t,Ed} / F_{t,Rd}$$

$$VER \rightarrow FV_i \leq 1$$

Verifiche sulle saldature profilo-flangia (versione beta)

Si considera la sezione di gola (avente altezza $a = s_c / 2^{0.5} = 7.071$) in posizione ribaltata: vengono considerate positive le tensioni normali di trazione e le tensioni tangenziali agenti verso destra e verso il basso. Tutte le tensioni sono espresse in N/mm².

Verifica formula (4.2.84) (Nodo n. 16, CMB n. 26)

Cordoni	Lung.[mm]	$n_{\perp}$	$t_{\perp}$	$\tau_{\parallel}$	FV ₁	VER ₁
Nervatura inferiore lato destro	46.2	-94.44	0.00	6.35	94.66	Ok
Nervatura inferiore lato sinistro	46.2	-94.44	0.00	6.35	94.66	Ok
Ala inferiore esterno	160.0	-57.18	0.00	0.00	57.18	Ok
Ala inferiore interno lato destro	62.0	-45.88	0.00	0.00	45.88	Ok
Ala inferiore interno lato sinistro	62.0	-45.79	0.00	0.00	45.79	Ok
Anima lato destro	104.0	-37.70	0.00	6.35	38.23	Ok
Anima lato sinistro	104.0	-37.70	0.00	6.35	38.23	Ok
Ala superiore interno lato destro	62.0	43.98	0.00	0.00	43.98	Ok
Ala superiore interno lato sinistro	62.0	44.07	0.00	0.00	44.07	Ok

Verifica formula (4.2.85) (Nodo n. 16, CMB n. 26)

Cordoni	Lung.[mm]	$n_{\perp}$	$t_{\perp}$	$\tau_{\parallel}$	FV ₂	VER ₂
Nervatura inferiore lato destro	46.2	-94.44	0.00	6.35	94.44	Ok
Nervatura inferiore lato sinistro	46.2	-94.44	0.00	6.35	94.44	Ok
Ala inferiore esterno	160.0	-57.18	0.00	0.00	57.18	Ok
Ala inferiore interno lato destro	62.0	-45.88	0.00	0.00	45.88	Ok
Ala inferiore interno lato sinistro	62.0	-45.79	0.00	0.00	45.79	Ok
Anima lato destro	104.0	-37.70	0.00	6.35	37.70	Ok
Anima lato sinistro	104.0	-37.70	0.00	6.35	37.70	Ok
Ala superiore interno lato destro	62.0	43.98	0.00	0.00	43.98	Ok
Ala superiore interno lato sinistro	62.0	44.07	0.00	0.00	44.07	Ok

Legenda

$n_{\perp}$ tensione normale perpendicolare all'asse del cordone

$t_{\perp}$ tensione tangenziale perpendicolare all'asse del cordone

$\tau_{\parallel}$ tensione tangenziale parallela all'asse del cordone

$$FV_1 = (n_{\perp}^2 + t_{\perp}^2 + \tau_{\parallel}^2)^{0.5}$$

$$FV_2 = |n_{\perp}| + |t_{\perp}|$$

$$VER_i \rightarrow FV_i \leq \beta_i \cdot f_{yk} \quad (\beta_1 \cdot f_{yk} = 192.50 \text{ N/mm}^2 \quad \beta_2 \cdot f_{yk} = 233.75 \text{ N/mm}^2)$$

Verifica del momento di progetto del giunto (Nodo n. 16, CMB n. 26)

Momento resistente del giunto	$M_{j,Rd} =$	20025880.0 N mm
Momento di progetto	$M_{j,Ed} =$	16046170.0 N mm
$M_{j,Ed} / M_{j,Rd} = 0.801271 \quad \text{Ok}$		

Trave lato 3-

Tipo di profilo: HEA 160

Materiale: Acciaio S275 $f_y = 275 \text{ N/mm}^2$ $f_t = 430 \text{ N/mm}^2$ $\gamma_{ov} = 1.25$

Classe sezione: 1

Flangia:

Materiale: Acciaio S275 $f_y = 275 \text{ N/mm}^2$ $f_t = 430 \text{ N/mm}^2$ $\gamma_{ov} = 1.25$

Dimensioni (B x H x Sp): 160.0 x 541.5 x 15.0 mm

Spessore nervature verticali: 10.0 mm

Bullonature:

Viti cl. 8.8 Dadi 8 o 10 ($f_{yb} = 640 \text{ N/mm}^2$, $f_{tb} = 800 \text{ N/mm}^2$)

Diametro gambo $\varnothing = 20 \text{ mm}$ $A_{res} = 245.0 \text{ mm}^2$ (ridotta per filettatura)

Diametro dado/testa $d_m = 30 \text{ mm}$

Diametro foro $\varnothing_0 = 21 \text{ mm}$

Rigidità giunto (calcolata secondo EN 1993-1-8 : 2005 par. 6.3):

$S_{j,ini}$ non calcolabile

Saldature:

Materiale: Acciaio S275 $f_y = 275 \text{ N/mm}^2$ $f_t = 430 \text{ N/mm}^2$ $\beta_1 = 0.70$ $\beta_2 = 0.85$

Spessore cordoni d'angolo $s_c = 9 \text{ mm}$

Sollecitazioni nella sezione d'attacco dell'elemento:

Nodo.CMB	V2 [N]	V3 [N]	N [N]	M2 [N mm]	M3 [N mm]	T [N mm]
16.1	1321.6	-45.5	3438.2	28759.0	237223.0	637.0
16.2	1323.5	-45.0	3483.4	28560.0	222292.3	593.0
16.3	1149.7	-72.5	7242.6	50843.0	413517.8	1730.0
16.4	1151.6	-72.0	7287.8	50645.0	398588.0	1686.0
16.5	973.9	-43.8	2988.1	27074.0	235502.3	515.0
16.6	975.8	-43.2	3033.3	26876.0	220571.5	471.0
16.7	802.0	-70.8	6792.6	49158.0	411797.0	1608.0
16.8	803.9	-70.3	6837.7	48960.0	396867.3	1564.0
16.9	1325.3	-44.5	3528.5	28362.0	207338.8	549.0
16.10	1201.3	-64.4	6101.3	44218.0	360636.8	1402.0
16.11	1205.0	-63.4	6191.6	43821.0	330751.5	1314.0
16.12	977.6	-42.7	3078.5	26677.0	205618.0	427.0
16.13	853.6	-62.7	5651.2	42533.0	358916.0	1280.0
16.14	857.3	-61.6	5741.5	42136.0	329030.8	1192.0
16.15	1189.5	-71.1	4541.0	43395.0	395568.3	841.0
16.16	1191.4	-70.6	4586.2	43196.0	380637.5	797.0
16.17	1069.2	-90.0	7204.1	58854.0	518982.0	1606.0
16.18	1071.0	-89.5	7249.2	58655.0	504027.5	1562.0
16.19	841.8	-69.3	4090.9	41710.0	393847.5	719.0
16.20	843.6	-68.8	4136.1	41511.0	378893.0	675.0
16.21	721.5	-88.3	6754.0	57169.0	517261.3	1484.0
16.22	723.3	-87.7	6799.2	56970.0	502306.8	1440.0
16.23	952.3	-15.6	1825.3	11646.0	258161.3	260.0
16.24	1107.0	49.8	524.8	-26737.0	73843.5	2382.0
16.25	1165.1	-71.5	3708.3	45941.0	-5294.8	-1475.0
16.26	1319.8	-6.1	2407.8	7558.0	-189612.5	647.0
16.27	934.4	-13.2	1866.1	10439.0	279971.0	487.0
16.28	1124.8	47.4	484.0	-25531.0	52011.0	2156.0
16.29	1147.2	-69.1	3749.1	44734.0	16514.0	-1249.0
16.30	1337.6	-8.5	2367.0	8764.0	-211446.0	420.0
16.31	825.0	-154.0	1512.2	94239.0	408591.5	2086.0
16.32	979.7	-88.6	211.7	55856.0	224273.8	4208.0
16.33	1292.3	66.9	4021.4	-36652.0	-155748.8	-3301.0
16.34	1447.0	132.3	2720.9	-75036.0	-340066.5	-1179.0
16.35	807.2	-151.6	1553.0	93032.0	430425.0	2313.0
16.36	997.6	-91.0	170.9	57063.0	202465.0	3981.0
16.37	1274.4	69.3	4062.2	-37859.0	-133940.0	-3074.0
16.38	1464.8	129.9	2680.1	-73829.0	-361900.0	-1405.0
16.39	846.3	-111.4	4001.6	68429.0	380988.3	-2822.0
16.40	1361.9	106.5	-333.4	-59515.0	-233416.8	4250.0
16.41	910.1	-128.2	4566.5	78718.0	301941.8	-3343.0
16.42	1425.8	89.7	231.5	-49226.0	-312439.5	3729.0
16.43	808.1	-152.9	3907.7	93207.0	426114.8	-2274.0
16.44	1323.7	64.9	-427.3	-34737.0	-188290.3	4798.0
16.45	948.3	-86.6	4660.4	53940.0	256815.3	-3890.0
16.46	1463.9	131.2	325.4	-74004.0	-357589.8	3182.0
16.47	786.7	-103.5	4137.7	64407.0	453703.3	-2067.0
16.48	1421.5	98.6	-469.4	-55492.0	-306131.8	3495.0
16.49	850.5	-120.3	4702.6	74696.0	374656.8	-2588.0
16.50	1485.4	81.8	95.5	-45204.0	-385154.5	2974.0
16.51	748.5	-145.1	4043.7	89185.0	498829.8	-1520.0
16.52	1383.3	57.1	-563.4	-30714.0	-261005.3	4043.0

1	47.00	-256.83	133.7	94097.0	1543.7	27408.7	0.041649	Ok
2	47.00	-37.00	133.8	94097.0	1117.8	46276.8	0.018675	Ok
3	47.00	37.00	133.9	94097.0	974.4	46276.8	0.016462	Ok
4	47.00	234.20	134.0	94097.0	592.3	27578.4	0.016766	Ok
5	-47.00	-256.83	134.3	94097.0	1230.6	27408.7	0.033497	Ok
6	-47.00	-37.00	134.4	94097.0	804.7	46276.8	0.013849	Ok
7	-47.00	37.00	134.4	94097.0	661.3	46276.8	0.011636	Ok
8	-47.00	234.20	134.5	94097.0	279.3	27578.4	0.008664	Ok

2-Trazione (Nodo n. 16, CMB n. 17)

Bull.	X [mm]	Y [mm]	F _{t,Ed} [N]	F _{t,Rd} [N]	FV ₂	VER
1	47.00	-256.83	1543.7	27408.7	0.056320	Ok
2	47.00	-37.00	1117.8	46276.8	0.024154	Ok
3	47.00	37.00	974.4	46276.8	0.021056	Ok
4	47.00	234.20	592.3	27578.4	0.021479	Ok
5	-47.00	-256.83	1230.6	27408.7	0.044898	Ok
6	-47.00	-37.00	804.7	46276.8	0.017389	Ok
7	-47.00	37.00	661.3	46276.8	0.014291	Ok
8	-47.00	234.20	279.3	27578.4	0.010127	Ok

Legenda

F_{v,Ed} forza di taglio agente sul bullone
 F_{v,Rd} resistenza a taglio di progetto del bullone
 F_{t,Ed} forza di trazione agente sul bullone
 F_{t,Rd} resistenza a trazione di progetto del bullone
 $FV_1 = F_{v,Ed} / F_{v,Rd} + F_{t,Ed} / (1.4 \cdot F_{t,Rd})$
 $FV_2 = F_{t,Ed} / F_{t,Rd}$
 VER $\rightarrow FV_i \leq 1$

Verifiche sulle saldature profilo-flangia (versione beta)

Si considera la sezione di gola (avente altezza $a = s_c / 2^{0.5} = 6.364$) in posizione ribaltata: vengono considerate positive le tensioni normali di trazione e le tensioni tangenziali agenti verso destra e verso il basso. Tutte le tensioni sono espresse in N/mm².

Verifica formula (4.2.84) (Nodo n. 16, CMB n. 17)

Cordoni	Lung.[mm]	n _⊥	t _⊥	τ	FV ₁	VER ₁
Nervatura inferiore lato destro	197.0	1.54	0.00	0.18	1.55	Ok
Nervatura inferiore lato sinistro	197.0	1.54	0.00	0.18	1.55	Ok
Ala inferiore esterno	160.0	0.97	0.00	-0.02	0.97	Ok
Ala inferiore interno lato destro	62.0	1.47	0.00	-0.02	1.47	Ok
Ala inferiore interno lato sinistro	62.0	0.80	0.00	-0.02	0.80	Ok
Anima lato destro	104.0	0.89	0.00	0.18	0.91	Ok
Anima lato sinistro	104.0	0.89	0.00	0.18	0.91	Ok
Ala superiore interno lato destro	62.0	1.11	0.00	-0.02	1.11	Ok
Ala superiore interno lato sinistro	62.0	0.44	0.00	-0.02	0.44	Ok
Ala superiore esterno	160.0	0.52	0.00	-0.02	0.52	Ok
Nervatura superiore lato destro	174.4	0.51	0.00	0.18	0.54	Ok
Nervatura superiore lato sinistro	174.4	0.51	0.00	0.18	0.54	Ok

Verifica formula (4.2.85) (Nodo n. 16, CMB n. 17)

Cordoni	Lung.[mm]	n _⊥	t _⊥	τ	FV ₂	VER ₂
Nervatura inferiore lato destro	197.0	1.54	0.00	0.18	1.54	Ok
Nervatura inferiore lato sinistro	197.0	1.54	0.00	0.18	1.54	Ok
Ala inferiore esterno	160.0	0.97	0.00	-0.02	0.97	Ok
Ala inferiore interno lato destro	62.0	1.47	0.00	-0.02	1.47	Ok
Ala inferiore interno lato sinistro	62.0	0.80	0.00	-0.02	0.80	Ok
Anima lato destro	104.0	0.89	0.00	0.18	0.89	Ok
Anima lato sinistro	104.0	0.89	0.00	0.18	0.89	Ok
Ala superiore interno lato destro	62.0	1.11	0.00	-0.02	1.11	Ok
Ala superiore interno lato sinistro	62.0	0.44	0.00	-0.02	0.44	Ok
Ala superiore esterno	160.0	0.52	0.00	-0.02	0.52	Ok
Nervatura superiore lato destro	174.4	0.51	0.00	0.18	0.51	Ok
Nervatura superiore lato sinistro	174.4	0.51	0.00	0.18	0.51	Ok

Legenda

n_⊥ tensione normale perpendicolare all'asse del cordone

$t_{\perp}$ tensione tangenziale perpendicolare all'asse del cordone

$\tau_{\parallel}$ tensione tangenziale parallela all'asse del cordone

$$FV_1 = (n_{\perp}^2 + t_{\perp}^2 + \tau_{\parallel}^2)^{0.5}$$

$$FV_2 = |n_{\perp}| + |t_{\perp}|$$

$$VER_i \rightarrow FV_i \leq \beta_i \cdot f_{yk} \quad (\beta_1 \cdot f_{yk} = 192.50 \text{ N/mm}^2 \quad \beta_2 \cdot f_{yk} = 233.75 \text{ N/mm}^2)$$

Verifica del momento di progetto del giunto (Nodo n. 16, CMB n. 17)

Momento resistente del giunto $M_{j,Rd} = 77711040.0 \text{ N mm}$

Momento di progetto $M_{j,Ed} = 2387870.0 \text{ N mm}$

$$M_{j,Ed} / M_{j,Rd} = 0.030728 \quad \text{Ok}$$

Controvento Col. Sup. ÷ Trave 3-

Tipo di profilo: UNP 140

Materiale: Acciaio S275 $f_y = 275 \text{ N/mm}^2$ $f_t = 430 \text{ N/mm}^2$ $\gamma_{ov} = 1.25$

Piastra di collegamento:

Materiale: Acciaio S275 $f_y = 275 \text{ N/mm}^2$ $f_t = 430 \text{ N/mm}^2$ $\gamma_{ov} = 1.25$

Spessore: 10.0 mm

Bullonature:

Viti cl. 8.8 Dadi 8 o 10 ($f_{yb} = 640 \text{ N/mm}^2$, $f_{tb} = 800 \text{ N/mm}^2$)

Diametro gambo $\varnothing = 20 \text{ mm}$ $A_{res} = 245.0 \text{ mm}^2$ (ridotta per filettatura)

Diametro dado/testa $d_m = 30 \text{ mm}$

Diametro foro $\varnothing_0 = 21 \text{ mm}$

Sollecitazioni nella sezione d'attacco del controvento:

Nodo.CMB	V2 [N]	V3 [N]	N [N]	M2 [N mm]	M3 [N mm]	T [N mm]
16.1	234.2	0.0	3018.5	0.0	0.0	0.0
16.2	234.2	0.0	3091.1	0.0	0.0	0.0
16.3	234.2	0.0	2549.3	0.0	0.0	0.0
16.4	234.2	0.0	2621.8	0.0	0.0	0.0
16.5	180.2	0.0	3033.2	0.0	0.0	0.0
16.6	180.2	0.0	3105.7	0.0	0.0	0.0
16.7	180.2	0.0	2563.9	0.0	0.0	0.0
16.8	180.2	0.0	2636.5	0.0	0.0	0.0
16.9	234.2	0.0	3163.6	0.0	0.0	0.0
16.10	234.2	0.0	2690.1	0.0	0.0	0.0
16.11	234.2	0.0	2835.1	0.0	0.0	0.0
16.12	180.2	0.0	3178.2	0.0	0.0	0.0
16.13	180.2	0.0	2704.7	0.0	0.0	0.0
16.14	180.2	0.0	2849.8	0.0	0.0	0.0
16.15	234.2	0.0	5247.9	0.0	0.0	0.0
16.16	234.2	0.0	5320.4	0.0	0.0	0.0
16.17	234.2	0.0	4919.4	0.0	0.0	0.0
16.18	234.2	0.0	4992.0	0.0	0.0	0.0
16.19	180.2	0.0	5262.5	0.0	0.0	0.0
16.20	180.2	0.0	5335.1	0.0	0.0	0.0
16.21	180.2	0.0	4934.1	0.0	0.0	0.0
16.22	180.2	0.0	5006.6	0.0	0.0	0.0
16.23	180.2	0.0	4196.6	0.0	0.0	0.0
16.24	180.2	0.0	1646.6	0.0	0.0	0.0
16.25	180.2	0.0	-2387.7	0.0	0.0	0.0
16.26	180.2	0.0	-4937.6	0.0	0.0	0.0
16.27	180.2	0.0	4538.5	0.0	0.0	0.0
16.28	180.2	0.0	1304.7	0.0	0.0	0.0
16.29	180.2	0.0	-2045.7	0.0	0.0	0.0
16.30	180.2	0.0	-5279.6	0.0	0.0	0.0
16.31	180.2	0.0	5979.2	0.0	0.0	0.0
16.32	180.2	0.0	3429.2	0.0	0.0	0.0

16.33	180.2	0.0	-4170.3	0.0	0.0	0.0
16.34	180.2	0.0	-6720.2	0.0	0.0	0.0
16.35	180.2	0.0	6321.1	0.0	0.0	0.0
16.36	180.2	0.0	3087.3	0.0	0.0	0.0
16.37	180.2	0.0	-3828.3	0.0	0.0	0.0
16.38	180.2	0.0	-7062.2	0.0	0.0	0.0
16.39	180.2	0.0	4867.0	0.0	0.0	0.0
16.40	180.2	0.0	-3632.8	0.0	0.0	0.0
16.41	180.2	0.0	2891.7	0.0	0.0	0.0
16.42	180.2	0.0	-5608.1	0.0	0.0	0.0
16.43	180.2	0.0	5401.8	0.0	0.0	0.0
16.44	180.2	0.0	-3098.0	0.0	0.0	0.0
16.45	180.2	0.0	2356.9	0.0	0.0	0.0
16.46	180.2	0.0	-6142.8	0.0	0.0	0.0
16.47	180.2	0.0	6006.9	0.0	0.0	0.0
16.48	180.2	0.0	-4772.7	0.0	0.0	0.0
16.49	180.2	0.0	4031.6	0.0	0.0	0.0
16.50	180.2	0.0	-6747.9	0.0	0.0	0.0
16.51	180.2	0.0	6541.7	0.0	0.0	0.0
16.52	180.2	0.0	-4237.9	0.0	0.0	0.0
16.53	180.2	0.0	3496.8	0.0	0.0	0.0
16.54	180.2	0.0	-7282.7	0.0	0.0	0.0

Calcolo resistenze

Resistenza a taglio dei bulloni

$$F_{vb,Rd} = 0.6 \cdot f_{tb} \cdot A_{res} / \gamma_{M2} =$$

94097.0 N

Bull.	$F_{bp,x,Rd}$ [N]	$F_{ba,x,Rd}$ [N]	$F_{v,x,Rd}$ [N]	$F_{bp,y,Rd}$ [N]	$F_{ba,y,Rd}$ [N]	$F_{v,y,Rd}$ [N]
1	172000.0	61155.5	61155.5	172000.0	120400.0	94097.0
2	88047.6	61633.3	61633.3	103200.0	72240.0	72240.0
3	87563.2	120400.0	87563.2	172000.0	120400.0	94097.0

Legenda

$F_{bp,x,Rd} = k \cdot \alpha \cdot f_{tk} \cdot \emptyset \cdot t_c / \gamma_{M2}$ resistenza a rifollamento piastra in direzione x

$F_{ba,x,Rd} = k \cdot \alpha \cdot f_{tk} \cdot \emptyset \cdot t_a / \gamma_{M2}$ resistenza a rifollamento asta elemento in direzione x

$F_{v,x,Rd} = \min [F_{vb,Rd} , F_{bp,x,Rd} , F_{ba,x,Rd}]$ resistenza a taglio di progetto in direzione x

$F_{bp,y,Rd} = k \cdot \alpha \cdot f_{tk} \cdot \emptyset \cdot t_c / \gamma_{M2}$ resistenza a rifollamento piastra in direzione y

$F_{ba,y,Rd} = k \cdot \alpha \cdot f_{tk} \cdot \emptyset \cdot t_a / \gamma_{M2}$ resistenza a rifollamento asta elemento in direzione y

$F_{v,y,Rd} = \min [F_{vb,Rd} , F_{bp,y,Rd} , F_{ba,y,Rd}]$ resistenza a taglio di progetto in direzione y

Verifiche a taglio sui bulloni (Nodo n. 16, CMB n. 54)

Bull.	X [mm]	Y [mm]	$F_{v,Ed}$ [N]	$F_{v,Rd}$ [N]	FV	VER
1	32.00	0.00	2428.3	61155.5	0.039707	Ok
2	80.00	0.00	2428.3	61633.3	0.039399	Ok
3	128.00	0.00	2428.3	87563.2	0.027732	Ok

Legenda

$F_{v,Ed}$ forza di taglio agente sul bullone

$F_{v,Rd}$ resistenza a taglio di progetto del bullone

$FV = F_{v,Ed} / F_{v,Rd}$

$VER \rightarrow FV \leq 1$

Verifica di resistenza controvento (Nodo n. 16, CMB n. 54)

La verifica viene eseguita considerando il massimo valore assoluto dello sforzo normale applicato.

Resistenza plastica della sezione lorda $N_{pl,Rd} = A \cdot f_{yk} / \gamma_{M0} = 534285.8$ N

Resistenza a rottura della sezione netta $N_{u,Rd} = 0.9 \cdot A_{net} \cdot f_{tk} / \gamma_{M2} = 586072.8$ N

Resistenza assiale di calcolo $N_{t,Rd} = \min [N_{u,Rd} , N_{pl,Rd}] = 534285.8$ N

Azione assiale di progetto (compressione) $N_{Ed} = 7282.7$ N

$N_{Ed} / N_{t,Rd} = 0.013631$ Ok

Controvento Col. Inf. ÷ Trave 3-

Tipo di profilo: UNP 140

Materiale: Acciaio S275 $f_y = 275$ N/mm² $f_t = 430$ N/mm² $\gamma_{ov} = 1.25$

Piastra di collegamento:

Materiale: Acciaio S275 $f_y = 275 \text{ N/mm}^2$ $f_t = 430 \text{ N/mm}^2$ $\gamma_{ov} = 1.25$

Spessore: 10.0 mm

Bullonature:

Viti cl. 8.8 Dadi 8 o 10 ($f_{yb} = 640 \text{ N/mm}^2$, $f_{tb} = 800 \text{ N/mm}^2$)

Diametro gambo $\varnothing = 20 \text{ mm}$ $A_{res} = 245.0 \text{ mm}^2$ (ridotta per filettatura)

Diametro dado/testa $d_m = 30 \text{ mm}$

Diametro foro $\varnothing_0 = 21 \text{ mm}$

Sollecitazioni nella sezione d'attacco del controvento:

Nodo.CMB	V2 [N]	V3 [N]	N [N]	M2 [N mm]	M3 [N mm]	T [N mm]
16.1	234.2	0.0	-10304.5	0.0	0.0	0.0
16.2	234.2	0.0	-10399.2	0.0	0.0	0.0
16.3	234.2	0.0	-17857.3	0.0	0.0	0.0
16.4	234.2	0.0	-17951.9	0.0	0.0	0.0
16.5	180.2	0.0	-9409.2	0.0	0.0	0.0
16.6	180.2	0.0	-9503.8	0.0	0.0	0.0
16.7	180.2	0.0	-16961.9	0.0	0.0	0.0
16.8	180.2	0.0	-17056.6	0.0	0.0	0.0
16.9	234.2	0.0	-10493.9	0.0	0.0	0.0
16.10	234.2	0.0	-15591.4	0.0	0.0	0.0
16.11	234.2	0.0	-15780.8	0.0	0.0	0.0
16.12	180.2	0.0	-9598.5	0.0	0.0	0.0
16.13	180.2	0.0	-14696.1	0.0	0.0	0.0
16.14	180.2	0.0	-14885.4	0.0	0.0	0.0
16.15	234.2	0.0	-14981.1	0.0	0.0	0.0
16.16	234.2	0.0	-15075.8	0.0	0.0	0.0
16.17	234.2	0.0	-20268.0	0.0	0.0	0.0
16.18	234.2	0.0	-20362.7	0.0	0.0	0.0
16.19	180.2	0.0	-14085.8	0.0	0.0	0.0
16.20	180.2	0.0	-14180.4	0.0	0.0	0.0
16.21	180.2	0.0	-19372.7	0.0	0.0	0.0
16.22	180.2	0.0	-19467.4	0.0	0.0	0.0
16.23	180.2	0.0	-4841.5	0.0	0.0	0.0
16.24	180.2	0.0	751.4	0.0	0.0	0.0
16.25	180.2	0.0	-8715.1	0.0	0.0	0.0
16.26	180.2	0.0	-3122.2	0.0	0.0	0.0
16.27	180.2	0.0	-5456.6	0.0	0.0	0.0
16.28	180.2	0.0	1366.6	0.0	0.0	0.0
16.29	180.2	0.0	-9330.2	0.0	0.0	0.0
16.30	180.2	0.0	-2507.0	0.0	0.0	0.0
16.31	180.2	0.0	-13965.1	0.0	0.0	0.0
16.32	180.2	0.0	-8372.2	0.0	0.0	0.0
16.33	180.2	0.0	408.6	0.0	0.0	0.0
16.34	180.2	0.0	6001.5	0.0	0.0	0.0
16.35	180.2	0.0	-14580.3	0.0	0.0	0.0
16.36	180.2	0.0	-7757.0	0.0	0.0	0.0
16.37	180.2	0.0	-206.6	0.0	0.0	0.0
16.38	180.2	0.0	6616.7	0.0	0.0	0.0
16.39	180.2	0.0	-12722.3	0.0	0.0	0.0
16.40	180.2	0.0	5920.7	0.0	0.0	0.0
16.41	180.2	0.0	-13884.3	0.0	0.0	0.0
16.42	180.2	0.0	4758.6	0.0	0.0	0.0
16.43	180.2	0.0	-15459.4	0.0	0.0	0.0
16.44	180.2	0.0	3183.6	0.0	0.0	0.0
16.45	180.2	0.0	-11147.3	0.0	0.0	0.0
16.46	180.2	0.0	7495.7	0.0	0.0	0.0
16.47	180.2	0.0	-14772.8	0.0	0.0	0.0
16.48	180.2	0.0	7971.3	0.0	0.0	0.0

16.49	180.2	0.0	-15934.9	0.0	0.0	0.0
16.50	180.2	0.0	6809.2	0.0	0.0	0.0
16.51	180.2	0.0	-17509.9	0.0	0.0	0.0
16.52	180.2	0.0	5234.2	0.0	0.0	0.0
16.53	180.2	0.0	-13197.8	0.0	0.0	0.0
16.54	180.2	0.0	9546.3	0.0	0.0	0.0

Calcolo resistenze

Resistenza a taglio dei bulloni

$$F_{vb,Rd} = 0.6 \cdot f_{tb} \cdot A_{res} / \gamma_{M2} =$$

94097.0 N

Bull.	$F_{bp,x,Rd}$ [N]	$F_{ba,x,Rd}$ [N]	$F_{v,x,Rd}$ [N]	$F_{bp,y,Rd}$ [N]	$F_{ba,y,Rd}$ [N]	$F_{v,y,Rd}$ [N]
1	172000.0	61155.6	61155.6	172000.0	120400.0	94097.0
2	88047.6	61633.3	61633.3	103200.0	72240.0	72240.0
3	172000.0	120400.0	94097.0	172000.0	120400.0	94097.0

Legenda

$F_{bp,x,Rd} = k \cdot \alpha \cdot f_{tk} \cdot \emptyset \cdot t_c / \gamma_{M2}$ resistenza a rifollamento piastra in direzione x

$F_{ba,x,Rd} = k \cdot \alpha \cdot f_{tk} \cdot \emptyset \cdot t_a / \gamma_{M2}$ resistenza a rifollamento asta elemento in direzione x

$F_{v,x,Rd} = \min [F_{vb,Rd} , F_{bp,x,Rd} , F_{ba,x,Rd}]$ resistenza a taglio di progetto in direzione x

$F_{bp,y,Rd} = k \cdot \alpha \cdot f_{tk} \cdot \emptyset \cdot t_c / \gamma_{M2}$ resistenza a rifollamento piastra in direzione y

$F_{ba,y,Rd} = k \cdot \alpha \cdot f_{tk} \cdot \emptyset \cdot t_a / \gamma_{M2}$ resistenza a rifollamento asta elemento in direzione y

$F_{v,y,Rd} = \min [F_{vb,Rd} , F_{bp,y,Rd} , F_{ba,y,Rd}]$ resistenza a taglio di progetto in direzione y

Verifiche a taglio sui bulloni (Nodo n. 16, CMB n. 18)

Bull.	X [mm]	Y [mm]	$F_{v,Ed}$ [N]	$F_{v,Rd}$ [N]	FV	VER
1	32.00	0.00	6788.0	61155.6	0.110996	Ok
2	80.00	0.00	6788.0	61633.3	0.110136	Ok
3	128.00	0.00	6788.0	94097.0	0.072139	Ok

Legenda

$F_{v,Ed}$ forza di taglio agente sul bullone

$F_{v,Rd}$ resistenza a taglio di progetto del bullone

$FV = F_{v,Ed} / F_{v,Rd}$

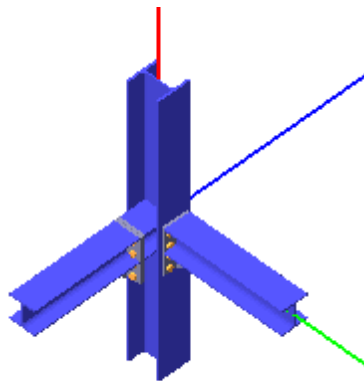
VER $\rightarrow FV \leq 1$

Verifica di resistenza controvento (Nodo n. 16, CMB n. 18)

La verifica viene eseguita considerando il massimo valore assoluto dello sforzo normale applicato.

Resistenza plastica della sezione lorda	$N_{pl,Rd} = A \cdot f_{yk} / \gamma_{M0} =$	534285.8 N
Resistenza a rottura della sezione netta	$N_{u,Rd} = 0.9 \cdot A_{net} \cdot f_{tk} / \gamma_{M2} =$	586072.8 N
Resistenza assiale di calcolo	$N_{t,Rd} = \min [N_{u,Rd} , N_{pl,Rd}] =$	534285.8 N
Azione assiale di progetto (compressione)	$N_{Ed} =$	20362.7 N
$N_{Ed} / N_{t,Rd} = 0.038112$ Ok		

Verifica secondo il D.M. 17/01/2018 dei nodi: 18, 27



Colonna

Tipo di profilo: HEB 200

Materiale: Acciaio S275 $f_y = 275 \text{ N/mm}^2$ $f_t = 430 \text{ N/mm}^2$ $\gamma_{ov} = 1.25$

Classe sezione: 1

Coefficienti di sicurezza utilizzati

$\gamma_{M0} = 1.05$

$\gamma_{M1} = 1.10$

$\gamma_{M2} = 1.25$

Trave lato 2+

Tipo di profilo: HEA 160

Materiale: Acciaio S275 $f_y = 275 \text{ N/mm}^2$ $f_t = 430 \text{ N/mm}^2$ $\gamma_{ov} = 1.25$

Classe sezione: 1

Flangia:

Materiale: Acciaio S275 $f_y = 275 \text{ N/mm}^2$ $f_t = 430 \text{ N/mm}^2$ $\gamma_{ov} = 1.25$

Dimensioni (B x H x Sp): 160.0 x 282.0 x 15.0 mm

Spessore nervature verticali: 6.0 mm

Bullonature:

Viti cl. 8.8 Dadi 8 o 10 ($f_{yb} = 640 \text{ N/mm}^2$, $f_{tb} = 800 \text{ N/mm}^2$)

Diametro gambo $\varnothing = 20 \text{ mm}$ $A_{res} = 245.0 \text{ mm}^2$ (ridotta per filettatura)

Diametro dado/testa $d_m = 30 \text{ mm}$

Diametro foro $\varnothing_0 = 21 \text{ mm}$

Rigidezza giunto (calcolata secondo EN 1993-1-8 : 2005 par. 6.3):

$S_{j,ini} = 31463040000 \text{ N mm / rad}$

Saldature:

Materiale: Acciaio S275 $f_y = 275 \text{ N/mm}^2$ $f_t = 430 \text{ N/mm}^2$ $\beta_1 = 0.70$ $\beta_2 = 0.85$

Spessore cordoni d'angolo $s_c = 8 \text{ mm}$

Sollecitazioni nella sezione d'attacco dell'elemento:

Nodo.CMB	V2 [N]	V3 [N]	N [N]	M2 [N mm]	M3 [N mm]	T [N mm]
18.1	17726.4	-18.8	28.4	48878.0	-8507360.0	-470.0
18.2	17758.6	-18.4	84.8	48093.0	-8604140.0	-443.0
18.3	40084.1	-23.6	-103.8	62047.0	-19131590.0	-816.0
18.4	40116.4	-23.3	-47.4	61263.0	-19218360.0	-790.0
18.5	12574.8	-18.7	8.5	48342.0	-6029520.0	-286.0
18.6	12607.0	-18.4	64.8	47557.0	-6124300.0	-260.0
18.7	34932.5	-23.6	-123.7	61511.0	-16646750.0	-633.0
18.8	34964.8	-23.2	-67.3	60727.0	-16743520.0	-607.0
18.9	17790.9	-18.1	141.1	47308.0	-8700910.0	-417.0

18.10	33376.8	-22.2	-64.1	58096.0	-15942320.0	-712.0
18.11	33441.3	-21.5	48.6	56527.0	-16125870.0	-660.0
18.12	12639.3	-18.0	121.2	46773.0	-6218070.0	-234.0
18.13	28225.2	-22.1	-84.1	57561.0	-13457480.0	-529.0
18.14	28289.7	-21.4	28.7	55991.0	-13651030.0	-477.0
18.15	17709.6	-31.0	-2.6	80062.0	-8479040.0	-267.0
18.16	17741.8	-30.7	53.7	79277.0	-8575820.0	-241.0
18.17	33360.0	-34.4	-95.1	89281.0	-15904000.0	-509.0
18.18	33392.2	-34.1	-38.8	88496.0	-16000780.0	-483.0
18.19	12557.9	-31.0	-22.6	79526.0	-5997210.0	-84.0
18.20	12590.2	-30.6	33.8	78742.0	-6090980.0	-58.0
18.21	28208.4	-34.4	-115.1	88745.0	-13429160.0	-326.0
18.22	28240.6	-34.0	-58.7	87960.0	-13525940.0	-300.0
18.23	24360.9	-66.4	373.0	-53343.0	-21073910.0	259.0
18.24	22379.2	-30.8	212.0	-131806.0	-17342080.0	2244.0
18.25	12956.7	28.3	-151.9	140262.0	368782.1	-3568.0
18.26	10975.1	63.8	-312.9	61799.0	4100510.0	-1584.0
18.27	24324.0	-65.5	348.0	-53949.0	-21007600.0	507.0
18.28	22416.1	-31.7	237.0	-131200.0	-17418390.0	1996.0
18.29	12919.9	29.1	-176.9	139656.0	439599.0	-3321.0
18.30	11011.9	62.9	-287.9	62405.0	4030190.0	-1832.0
18.31	22827.9	-89.0	395.4	203522.0	-18207210.0	1252.0
18.32	20846.3	-53.5	234.4	125059.0	-14475370.0	3237.0
18.33	14489.7	50.9	-174.3	-116603.0	-2505030.0	-4562.0
18.34	12508.0	86.4	-335.3	-195066.0	1227599.0	-2577.0
18.35	22791.1	-88.1	370.4	202916.0	-18130890.0	1500.0
18.36	20883.1	-54.3	259.4	125665.0	-14541690.0	2989.0
18.37	14452.8	51.7	-199.3	-117209.0	-2433720.0	-4314.0
18.38	12544.9	85.5	-310.3	-194460.0	1156792.0	-2825.0
18.39	22681.4	-74.7	377.1	105959.0	-17921860.0	-3396.0
18.40	16075.8	43.7	-159.5	-155585.0	-5485420.0	3219.0
18.41	19260.1	-46.3	219.6	164041.0	-11493990.0	-4544.0
18.42	12654.6	72.1	-317.0	-97503.0	948914.9	2071.0
18.43	22221.5	-81.5	383.8	183019.0	-17067850.0	-3098.0
18.44	15615.9	36.9	-152.8	-78525.0	-4623410.0	3517.0
18.45	19720.0	-39.5	212.9	86981.0	-12358000.0	-4842.0
18.46	13114.4	78.9	-323.7	-174562.0	86439.9	1773.0
18.47	22558.6	-71.8	293.8	103939.0	-17694140.0	-2569.0
18.48	16198.6	40.8	-76.2	-153564.0	-5721140.0	2393.0
18.49	19137.3	-43.4	136.3	162021.0	-11256270.0	-3718.0
18.50	12777.4	69.2	-233.7	-95483.0	712872.0	1245.0
18.51	22098.7	-78.6	300.5	180998.0	-16830130.0	-2271.0
18.52	15738.7	34.0	-69.5	-76505.0	-4859130.0	2691.0
18.53	19597.2	-36.6	129.6	84961.0	-12120280.0	-4016.0
18.54	13237.3	76.0	-240.4	-172542.0	-149270.0	947.0
27.1	6971.2	2095.0	2313.3	-3602000.0	-6514880.0	75.0
27.2	6883.2	2089.8	2508.9	-3594000.0	-6407680.0	210.0
27.3	6699.8	2228.8	1042.8	-3787000.0	-6235020.0	-3471.0
27.4	6611.8	2223.7	1238.4	-3779000.0	-6127820.0	-3336.0
27.5	6446.8	2086.2	2466.2	-3590000.0	-6430320.0	164.0
27.6	6358.8	2081.0	2661.8	-3582000.0	-6323120.0	299.0
27.7	6175.5	2220.0	1195.7	-3775000.0	-6150450.0	-3383.0
27.8	6087.5	2214.9	1391.3	-3768000.0	-6043250.0	-3248.0
27.9	6795.2	2084.7	2704.5	-3586000.0	-6301480.0	346.0
27.10	6781.2	2188.7	1424.0	-3732000.0	-6318880.0	-2407.0
27.11	6605.3	2178.3	1815.2	-3716000.0	-6105470.0	-2137.0
27.12	6270.9	2075.9	2857.4	-3574000.0	-6215910.0	434.0
27.13	6256.9	2179.9	1576.9	-3720000.0	-6234310.0	-2319.0
27.14	6080.9	2169.5	1968.1	-3704000.0	-6020910.0	-2049.0
27.15	10045.3	3469.7	4327.3	-5973000.0	-10545470.0	315.0
27.16	9957.3	3464.5	4522.9	-5966000.0	-10434270.0	451.0

27.17	9855.4	3563.4	3437.9	-6103000.0	-10344460.0	-2167.0
27.18	9767.4	3558.2	3633.5	-6095000.0	-10243260.0	-2032.0
27.19	9521.0	3460.9	4480.1	-5961000.0	-10457900.0	404.0
27.20	9433.0	3455.7	4675.8	-5954000.0	-10346700.0	539.0
27.21	9331.0	3554.6	3590.8	-6091000.0	-10266900.0	-2079.0
27.22	9243.1	3549.4	3786.4	-6084000.0	-10155690.0	-1944.0
27.23	9619.0	-305.4	4850.0	450022.0	-10698100.0	-478.0
27.24	15744.8	-1000.2	2615.8	1464000.0	-18805520.0	886.0
27.25	-12205.1	1103.4	-4221.7	-1605000.0	18169490.0	-2723.0
27.26	-6079.3	408.6	-6455.9	-591037.0	10062070.0	-1359.0
27.27	10003.6	-321.9	4791.7	473812.0	-11209640.0	-358.0
27.28	15360.1	-983.8	2674.0	1440000.0	-18293990.0	766.0
27.29	-11820.5	1086.9	-4280.0	-1581000.0	17657950.0	-2603.0
27.30	-6463.9	425.0	-6397.7	-614826.0	10573610.0	-1479.0
27.31	10419.1	-919.5	5315.2	1347000.0	-11758090.0	403.0
27.32	16544.9	-1614.3	3081.0	2361000.0	-19855510.0	1767.0
27.33	-13005.2	1717.5	-4687.0	-2502000.0	19219480.0	-3604.0
27.34	-6879.4	1022.7	-6921.1	-1488000.0	11122060.0	-2240.0
27.35	10803.7	-935.9	5257.0	1371000.0	-12259630.0	523.0
27.36	16160.3	-1597.8	3139.3	2337000.0	-19343970.0	1648.0
27.37	-12620.6	1701.0	-4745.2	-2478000.0	18707940.0	-3484.0
27.38	-7264.1	1039.1	-6862.9	-1512000.0	11623590.0	-2360.0
27.39	-5166.2	998.3	4281.4	-1452000.0	8858380.0	-2854.0
27.40	15253.1	-1317.8	-3165.8	1928000.0	-18154690.0	1691.0
27.41	-11713.4	1421.0	1559.9	-2069000.0	17518660.0	-3528.0
27.42	8705.9	-895.1	-5887.4	1311000.0	-9489410.0	1017.0
27.43	-4926.1	814.1	4421.0	-1183000.0	8541390.0	-2590.0
27.44	15493.1	-1502.0	-3026.3	2197000.0	-18470690.0	1955.0
27.45	-11953.4	1605.2	1420.3	-2338000.0	17834660.0	-3792.0
27.46	8465.8	-710.9	-6026.9	1042000.0	-9173420.0	753.0
27.47	-3884.1	943.4	4087.3	-1373000.0	7160590.0	-2456.0
27.48	13971.0	-1262.9	-2971.7	1849000.0	-16452900.0	1293.0
27.49	-10431.3	1366.1	1365.8	-1990000.0	15816870.0	-3130.0
27.50	7423.8	-840.2	-5693.3	1232000.0	-7797621.0	619.0
27.51	-3644.1	759.2	4226.9	-1104000.0	6844590.0	-2192.0
27.52	14211.0	-1447.1	-2832.2	2118000.0	-16768900.0	1557.0
27.53	-10671.4	1550.3	1226.2	-2259000.0	16132860.0	-3394.0
27.54	7183.7	-656.0	-5832.8	962959.9	-7480630.0	355.0

Calcolo resistenze

Resistenza a trazione dei bulloni

$$F_{tb,Rd} = 0.9 \cdot f_{tb} \cdot A_{res} / \gamma_{M2} = 141145.5 \text{ N}$$

Resistenza a punzonamento flangia

$$B_{pf,Rd} = 0.6 \cdot \pi \cdot d_m \cdot t_f \cdot f_{tk} / \gamma_{M2} = 291791.1 \text{ N}$$

Resistenza a punzonamento ala passante

$$B_{pa,Rd} = 0.6 \cdot \pi \cdot d_m \cdot t_a \cdot f_{tk} / \gamma_{M2} = 291791.1 \text{ N}$$

Bull.	$F_{f,Rd} \text{ [N]}$	$F_{t,Rd} \text{ [N]}$
1	21157.9	21157.9
2	43197.3	43197.3
3	42877.7	42877.7
4	42877.7	42877.7
5	21157.9	21157.9
6	43197.3	43197.3
7	42877.7	42877.7
8	42877.7	42877.7

Legenda

$F_{f,Rd} = M_{res,m} / (B_m \cdot R_m)$ resistenza a flessione flangia

$F_{t,Rd} = \min [F_{tb,Rd} , B_{pf,Rd} , B_{pa,Rd} , F_{f,Rd}]$ resistenza a trazione di progetto

Resistenza a taglio dei bulloni

$$F_{vb,Rd} = 0.6 \cdot f_{tb} \cdot A_{res} / \gamma_{M2} = 94097.0 \text{ N}$$

Bull.	$F_{bf,x,Rd} \text{ [N]}$	$F_{ba,x,Rd} \text{ [N]}$	$F_{v,x,Rd} \text{ [N]}$	$F_{bf,y,Rd} \text{ [N]}$	$F_{ba,y,Rd} \text{ [N]}$	$F_{v,y,Rd} \text{ [N]}$
1	122857.1	204761.9	94097.0	118680.0	258000.0	94097.0
2	122857.1	204761.9	94097.0	191206.7	207833.3	94097.0
3	122857.1	204761.9	94097.0	191206.7	207833.3	94097.0

4	122857.1	204761.9	94097.0	150704.8	258000.0	94097.0
5	122857.1	204761.9	94097.0	118680.0	258000.0	94097.0
6	122857.1	204761.9	94097.0	191206.7	207833.3	94097.0
7	122857.1	204761.9	94097.0	191206.7	207833.3	94097.0
8	122857.1	204761.9	94097.0	150704.8	258000.0	94097.0

Legenda

$F_{bf,x,Rd} = k \cdot \alpha \cdot f_{tk} \cdot \emptyset \cdot t_f / \gamma_{M2}$ resistenza a rifollamento flangia in direzione x

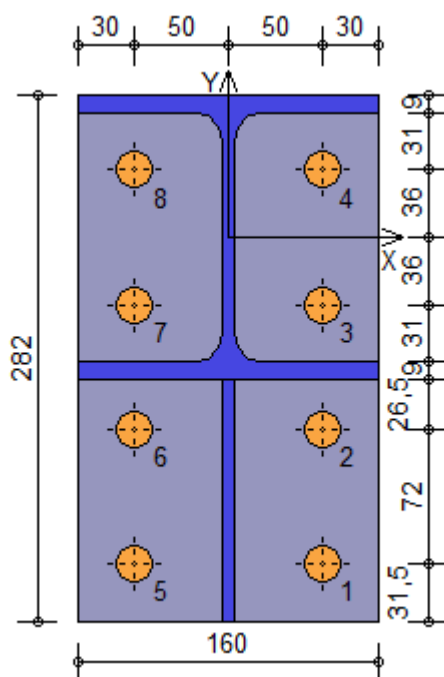
$F_{ba,x,Rd} = k \cdot \alpha \cdot f_{tk} \cdot \emptyset \cdot t_a / \gamma_{M2}$ resistenza a rifollamento ala passante in direzione x

$F_{v,x,Rd} = \min [F_{vb,Rd} , F_{bf,x,Rd} , F_{ba,x,Rd}]$ resistenza a taglio di progetto in direzione x

$F_{bf,y,Rd} = k \cdot \alpha \cdot f_{tk} \cdot \emptyset \cdot t_f / \gamma_{M2}$ resistenza a rifollamento flangia in direzione y

$F_{ba,y,Rd} = k \cdot \alpha \cdot f_{tk} \cdot \emptyset \cdot t_a / \gamma_{M2}$ resistenza a rifollamento ala passante in direzione y

$F_{v,y,Rd} = \min [F_{vb,Rd} , F_{bf,y,Rd} , F_{ba,y,Rd}]$ resistenza a taglio di progetto in direzione y



Verifiche sui bulloni

1-Taglio e trazione (Nodo n. 27, CMB n. 33)

Bull.	X [mm]	Y [mm]	$F_{v,Ed}$ [N]	$F_{v,Rd}$ [N]	$F_{t,Ed}$ [N]	$F_{t,Rd}$ [N]	FV_1	VER
1	50.00	-174.50	1636.5	94097.0	24345.7	21157.9	0.839298	Ok
2	50.00	-102.50	1636.9	94097.0	15060.0	43197.3	0.266419	Ok
3	50.00	-36.00	1637.4	94097.0	6483.5	42877.7	0.125409	Ok
4	50.00	36.00	1637.9	94097.0	0.0	42877.7	0.017406	Ok
5	-50.00	-174.50	1641.7	94097.0	27467.4	21157.9	0.944741	Ok
6	-50.00	-102.50	1642.1	94097.0	18181.7	43197.3	0.318093	Ok
7	-50.00	-36.00	1642.6	94097.0	9605.2	42877.7	0.177467	Ok
8	-50.00	36.00	1643.1	94097.0	319.5	42877.7	0.022784	Ok

2-Trazione (Nodo n. 27, CMB n. 33)

Bull.	X [mm]	Y [mm]	$F_{t,Ed}$ [N]	$F_{t,Rd}$ [N]	FV_2	VER
1	50.00	-174.50	24345.7	21157.9	1.150670	N.V.
2	50.00	-102.50	15060.0	43197.3	0.348632	Ok
3	50.00	-36.00	6483.5	42877.7	0.151210	Ok
4	50.00	36.00	0.0	42877.7	0.000000	Ok
5	-50.00	-174.50	27467.4	21157.9	1.298213	N.V.
6	-50.00	-102.50	18181.7	43197.3	0.420898	Ok
7	-50.00	-36.00	9605.2	42877.7	0.224015	Ok
8	-50.00	36.00	319.5	42877.7	0.007451	Ok

Legenda

$F_{v,Ed}$ forza di taglio agente sul bullone

$F_{v,Rd}$ resistenza a taglio di progetto del bullone

$F_{t,Ed}$ forza di trazione agente sul bullone

$F_{t,Rd}$ resistenza a trazione di progetto del bullone

$$FV_1 = F_{v,Ed} / F_{v,Rd} + F_{t,Ed} / (1.4 \cdot F_{t,Rd})$$

$$FV_2 = F_{t,Ed} / F_{t,Rd}$$

$$VER \rightarrow FV_i \leq 1$$

Verifiche sulle saldature profilo-flangia (versione beta)

Si considera la sezione di gola (avente altezza $a = s_c / 2^{0.5} = 5.657$) in posizione ribaltata: vengono considerate positive le tensioni normali di trazione e le tensioni tangenziali agenti verso destra e verso il basso. Tutte le tensioni sono espresse in N/mm².

Verifica formula (4.2.84) (Nodo n. 27, CMB n. 17)

Cordoni	Lung.[mm]	$n_{\perp}$	$t_{\perp}$	$\tau_{\parallel}$	FV_1	VER_1
Nervatura inferiore lato destro	122.0	-48.62	0.00	3.85	48.77	Ok
Nervatura inferiore lato sinistro	122.0	-48.62	0.00	3.85	48.77	Ok
Ala inferiore esterno	160.0	66.76	0.00	1.54	66.78	Ok
Ala inferiore interno lato destro	62.0	-99.59	0.00	1.54	99.60	Ok
Ala inferiore interno lato sinistro	62.0	70.27	0.00	1.54	70.29	Ok
Anima lato destro	104.0	13.16	0.00	3.85	13.71	Ok
Anima lato sinistro	104.0	13.16	0.00	3.85	13.71	Ok
Ala superiore interno lato destro	62.0	-68.86	0.00	1.54	68.88	Ok
Ala superiore interno lato sinistro	62.0	101.00	0.00	1.54	101.02	Ok

Verifica formula (4.2.85) (Nodo n. 27, CMB n. 17)

Cordoni	Lung.[mm]	$n_{\perp}$	$t_{\perp}$	$\tau_{\parallel}$	FV_2	VER_2
Nervatura inferiore lato destro	122.0	-48.62	0.00	3.85	48.62	Ok
Nervatura inferiore lato sinistro	122.0	-48.62	0.00	3.85	48.62	Ok
Ala inferiore esterno	160.0	66.76	0.00	1.54	66.76	Ok
Ala inferiore interno lato destro	62.0	-99.59	0.00	1.54	99.59	Ok
Ala inferiore interno lato sinistro	62.0	70.27	0.00	1.54	70.27	Ok
Anima lato destro	104.0	13.16	0.00	3.85	13.16	Ok
Anima lato sinistro	104.0	13.16	0.00	3.85	13.16	Ok
Ala superiore interno lato destro	62.0	-68.86	0.00	1.54	68.86	Ok
Ala superiore interno lato sinistro	62.0	101.00	0.00	1.54	101.00	Ok

Legenda

$n_{\perp}$ tensione normale perpendicolare all'asse del cordone

$t_{\perp}$ tensione tangenziale perpendicolare all'asse del cordone

$\tau_{\parallel}$ tensione tangenziale parallela all'asse del cordone

$$FV_1 = (n_{\perp}^2 + t_{\perp}^2 + \tau_{\parallel}^2)^{0.5}$$

$$FV_2 = |n_{\perp}| + |t_{\perp}|$$

$$VER_i \rightarrow FV_i \leq \beta_i \cdot f_{yk} \quad (\beta_1 \cdot f_{yk} = 192.50 \text{ N/mm}^2 \quad \beta_2 \cdot f_{yk} = 233.75 \text{ N/mm}^2)$$

Verifica del momento di progetto del giunto (Nodo n. 27, CMB n. 33)

Momento resistente del giunto $M_{j,Rd} = 31735760.0 \text{ N mm}$

Momento di progetto $M_{j,Ed} = 18948290.0 \text{ N mm}$

$$M_{j,Ed} / M_{j,Rd} = 0.597064 \quad \text{Ok}$$

Trave lato 3-

Tipo di profilo: HEA 160

Materiale: Acciaio S275 $f_y = 275 \text{ N/mm}^2$ $f_t = 430 \text{ N/mm}^2$ $\gamma_{ov} = 1.25$

Classe sezione: 1

Flangia:

Materiale: Acciaio S275 $f_y = 275 \text{ N/mm}^2$ $f_t = 430 \text{ N/mm}^2$ $\gamma_{ov} = 1.25$

Dimensioni (B x H x Sp): 160.0 x 282.0 x 15.0 mm

Spessore nervature verticali: 6.0 mm

Bullonature:

Viti cl. 8.8 Dadi 8 o 10 ($f_{yb} = 640 \text{ N/mm}^2$, $f_{tb} = 800 \text{ N/mm}^2$)

Diametro gambo $\varnothing = 20 \text{ mm}$ $A_{res} = 245.0 \text{ mm}^2$ (ridotta per filettatura)

Diametro dado/testa $d_m = 30 \text{ mm}$

Diametro foro $\varnothing_0 = 21 \text{ mm}$

Rigidezza giunto (calcolata secondo EN 1993-1-8 : 2005 par. 6.3):

$S_{j,ini}$ non calcolabile

Saldature:

Materiale: Acciaio S275 $f_y = 275 \text{ N/mm}^2$ $f_t = 430 \text{ N/mm}^2$ $\beta_1 = 0.70$ $\beta_2 = 0.85$

Spessore cordoni d'angolo $s_c = 8 \text{ mm}$

Sollecitazioni nella sezione d'attacco dell'elemento:

Nodo.CMB	V2 [N]	V3 [N]	N [N]	M2 [N mm]	M3 [N mm]	T [N mm]
18.1	3885.9	56.6	-33.5	-50391.0	-1539253.0	686.0
18.2	3854.5	55.8	-20.2	-49620.0	-1490826.0	618.0
18.3	3612.8	73.0	-36.6	-65024.0	-1003728.0	770.0
18.4	3581.4	72.1	-23.3	-64253.0	-955301.4	702.0
18.5	3072.1	55.8	-38.9	-49708.0	-1335702.0	647.0
18.6	3040.7	54.9	-25.6	-48937.0	-1287276.0	579.0
18.7	2799.0	72.2	-42.0	-64342.0	-800177.5	730.0
18.8	2767.6	71.3	-28.7	-63570.0	-751751.0	662.0
18.9	3823.1	54.9	-6.9	-48848.0	-1442400.0	550.0
18.10	3694.7	68.1	-35.6	-60634.0	-1164191.0	745.0
18.11	3631.9	66.3	-9.1	-59092.0	-1067338.0	608.0
18.12	3009.3	54.1	-12.3	-48166.0	-1238849.0	510.0
18.13	2880.9	67.3	-41.1	-59952.0	-960640.3	705.0
18.14	2818.1	65.5	-14.5	-58409.0	-863787.2	569.0
18.15	4108.9	92.3	-70.1	-82219.0	-1948670.0	1042.0
18.16	4077.5	91.4	-56.8	-81448.0	-1900244.0	973.0
18.17	3917.7	103.7	-72.2	-92462.0	-1573608.0	1100.0
18.18	3886.3	102.9	-59.0	-91691.0	-1525182.0	1032.0
18.19	3295.1	91.5	-75.5	-81537.0	-1745120.0	1002.0
18.20	3263.7	90.6	-62.2	-80765.0	-1696693.0	934.0
18.21	3103.9	102.9	-77.7	-91780.0	-1370058.0	1061.0
18.22	3072.6	102.0	-64.4	-91009.0	-1321614.0	993.0
18.23	3866.7	-56.3	-22.3	57059.0	-2843661.0	842.0
18.24	6524.3	-147.3	-260.0	143715.0	-7831937.0	3004.0
18.25	-1165.0	158.6	291.3	-153581.0	6614213.0	-2739.0
18.26	1492.6	67.6	53.6	-66925.0	1626937.0	-577.0
18.27	4172.2	-56.7	-53.6	58249.0	-3415435.0	1068.0
18.28	6218.8	-146.9	-228.6	142525.0	-7260164.0	2778.0
18.29	-859.5	158.2	259.9	-152391.0	6043439.0	-2513.0
18.30	1187.2	68.0	85.0	-68115.0	2197728.0	-803.0
18.31	5296.2	235.8	-211.4	-221839.0	-5524925.0	2054.0
18.32	7953.8	144.9	-449.1	-135183.0	-10508200.0	4216.0
18.33	-2594.5	-133.6	480.4	125317.0	9295477.0	-3951.0
18.34	63.1	-224.6	242.7	211973.0	4308201.0	-1789.0
18.35	5601.7	235.4	-242.8	-220649.0	-6096699.0	2280.0
18.36	7648.3	145.3	-417.7	-136373.0	-9942427.0	3990.0
18.37	-2289.0	-134.0	449.0	126507.0	8724702.0	-3725.0
18.38	-242.3	-224.2	274.1	210783.0	4878992.0	-2015.0
18.39	-994.9	125.0	364.8	-117764.0	6285405.0	-2934.0
18.40	7863.7	-178.2	-427.5	171090.0	-10344190.0	4273.0
18.41	-2504.4	189.5	458.8	-180956.0	9123469.0	-4008.0
18.42	6354.2	-113.8	-333.4	107898.0	-7503130.0	3199.0
18.43	-566.0	212.7	308.0	-201434.0	5481535.0	-2570.0
18.44	8292.6	-90.6	-484.2	87421.0	-11148060.0	4637.0
18.45	-2933.2	101.9	515.6	-97287.0	9929357.0	-4372.0
18.46	5925.4	-201.4	-276.7	191568.0	-6698242.0	2835.0
18.47	23.3	123.7	260.2	-113798.0	4381136.0	-2180.0
18.48	6845.5	-176.9	-322.9	167124.0	-8435923.0	3519.0
18.49	-1486.2	188.2	354.3	-176990.0	7219199.0	-3255.0
18.50	5336.0	-112.4	-228.9	103932.0	-5598860.0	2445.0
18.51	452.2	211.4	203.5	-197467.0	3577266.0	-1817.0

18.52	7274.4	-89.2	-379.7	83454.0	-9238794.0	3883.0
18.53	-1915.0	100.5	411.0	-93320.0	8023088.0	-3618.0
18.54	4907.2	-200.1	-172.1	187601.0	-4793972.0	2081.0
27.1	3021.4	226.0	-1359.9	-1022000.0	-1435702.0	1287.0
27.2	2970.8	230.7	-1938.2	-1031000.0	-1323683.0	1255.0
27.3	3974.8	102.3	-8973.8	-777785.0	-3766473.0	978.0
27.4	3924.3	107.0	-9552.1	-787235.0	-3655437.0	946.0
27.5	2306.5	234.0	-236.6	-1038000.0	-1066596.0	1437.0
27.6	2256.0	238.7	-814.9	-1047000.0	-954559.9	1405.0
27.7	3260.0	110.3	-7850.5	-793536.0	-3397350.0	1128.0
27.8	3209.5	115.0	-8428.8	-802987.0	-3286314.0	1096.0
27.9	2920.3	235.4	-2516.5	-1041000.0	-1212647.0	1223.0
27.10	3688.8	139.4	-6689.6	-850983.0	-3067238.0	1071.0
27.11	3587.7	148.8	-7846.2	-869883.0	-2844183.0	1007.0
27.12	2205.5	243.4	-1393.2	-1056000.0	-843523.8	1373.0
27.13	2973.9	147.4	-5566.3	-866734.0	-2698133.0	1221.0
27.14	2872.9	156.8	-6722.9	-885634.0	-2475060.0	1157.0
27.15	2984.8	396.8	526.7	-1742000.0	-1363198.0	2483.0
27.16	2934.3	401.5	-51.5	-1752000.0	-1252162.0	2451.0
27.17	3652.3	310.2	-4803.0	-1572000.0	-2995717.0	2267.0
27.18	3601.7	314.9	-5381.3	-1581000.0	-2883698.0	2235.0
27.19	2270.0	404.8	1650.1	-1758000.0	-994075.0	2633.0
27.20	2219.5	409.5	1071.8	-1768000.0	-883038.8	2601.0
27.21	2937.4	318.2	-3679.6	-1587000.0	-2626612.0	2417.0
27.22	2886.9	322.9	-4257.9	-1597000.0	-2514575.0	2385.0
27.23	2223.5	289.1	-2256.5	-563674.0	-1007329.0	695.0
27.24	1365.5	944.1	-4160.3	-1840000.0	654717.3	2967.0
27.25	3744.0	-1039.0	-5195.2	2027000.0	-3949440.0	-3843.0
27.26	2886.1	-384.1	-7099.0	750429.0	-2287717.0	-1571.0
27.27	2152.4	304.2	-2199.8	-593348.0	-872949.0	772.0
27.28	1436.7	929.0	-4217.0	-1811000.0	519974.3	2891.0
27.29	3672.9	-1023.9	-5138.6	1997000.0	-3815060.0	-3767.0
27.30	2957.2	-399.2	-7155.7	780102.0	-2422097.0	-1647.0
27.31	1686.8	869.5	-7112.3	-1693000.0	35695.0	2612.0
27.32	828.8	1524.4	-9016.1	-2970000.0	1698112.0	4884.0
27.33	4280.8	-1619.4	-339.5	3156000.0	-4993158.0	-5760.0
27.34	3422.8	-964.5	-2243.2	1880000.0	-3330453.0	-3488.0
27.35	1615.6	884.6	-7055.6	-1723000.0	170438.0	2688.0
27.36	900.0	1509.3	-9072.8	-2940000.0	1562750.0	4807.0
27.37	4209.6	-1604.3	-282.8	3127000.0	-4857796.0	-5683.0
27.38	3493.9	-979.6	-2299.9	1909000.0	-3465833.0	-3564.0
27.39	3756.7	-939.8	-1064.0	1832000.0	-3976186.0	-3544.0
27.40	896.7	1243.3	-7409.9	-2423000.0	1564164.0	4029.0
27.41	4212.9	-1338.2	-1945.6	2610000.0	-4859210.0	-4905.0
27.42	1352.9	844.8	-8291.6	-1646000.0	681481.8	2668.0
27.43	3595.7	-765.7	-2520.7	1494000.0	-3663763.0	-2969.0
27.44	735.7	1417.4	-8866.7	-2762000.0	1877587.0	4605.0
27.45	4373.9	-1512.4	-488.9	2948000.0	-5172633.0	-5481.0
27.46	1513.9	670.7	-6834.8	-1307000.0	368522.3	2093.0
27.47	3519.5	-889.5	-875.0	1734000.0	-3527289.0	-3289.0
27.48	1133.9	1192.9	-7598.9	-2324000.0	1114999.0	3774.0
27.49	3975.7	-1287.9	-1756.6	2511000.0	-4410314.0	-4650.0
27.50	1590.1	794.5	-8480.5	-1547000.0	232315.8	2413.0
27.51	3358.5	-715.3	-2331.8	1395000.0	-3214866.0	-2714.0
27.52	972.9	1367.0	-9055.6	-2663000.0	1427690.0	4349.0
27.53	4136.7	-1462.0	-299.9	2849000.0	-4722736.0	-5225.0
27.54	1751.1	620.4	-7023.8	-1208000.0	-80644.7	1838.0

Calcolo resistenze

Resistenza a trazione dei bulloni

$$F_{tb,Rd} = 0.9 \cdot f_{tb} \cdot A_{res} / \gamma_{M2} =$$

141145.5 N

Resistenza a punzonamento flangia

$$B_{pf,Rd} = 0.6 \cdot \pi \cdot d_m \cdot t_f \cdot f_{tk} / \gamma_{M2} =$$

291791.1 N

Bull.	$F_{f,Rd}$ [N]	$F_{t,Rd}$ [N]
1	23676.7	23676.7
2	48476.5	48476.5
3	48920.6	48920.6
4	48920.6	48920.6
5	23676.7	23676.7
6	48476.5	48476.5
7	48920.6	48920.6
8	48920.6	48920.6

Legenda

$F_{f,Rd} = M_{res,m} / (B_m \cdot R_m)$ resistenza a flessione flangia

$F_{t,Rd} = \min [F_{tb,Rd}, B_{pf,Rd}, F_{f,Rd}]$ resistenza a trazione di progetto

Resistenza a taglio dei bulloni

$$F_{vb,Rd} = 0.6 \cdot f_{tb} \cdot A_{res} / \gamma_{M2} =$$

94097.0 N

Bull.	$F_{bf,x,Rd}$ [N]	$F_{v,x,Rd}$ [N]	$F_{bf,y,Rd}$ [N]	$F_{v,y,Rd}$ [N]
1	143333.3	94097.0	129000.0	94097.0
2	143333.3	94097.0	207833.3	94097.0
3	143333.3	94097.0	207833.3	94097.0
4	143333.3	94097.0	163809.5	94097.0
5	143333.3	94097.0	129000.0	94097.0
6	143333.3	94097.0	207833.3	94097.0
7	143333.3	94097.0	207833.3	94097.0
8	143333.3	94097.0	163809.5	94097.0

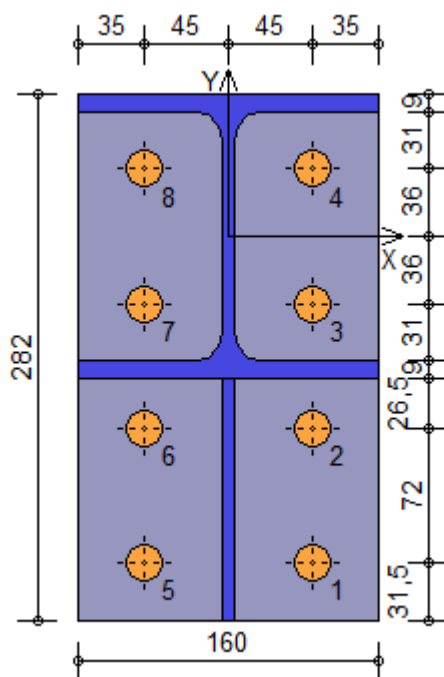
Legenda

$F_{bf,x,Rd} = k \cdot \alpha \cdot f_{tk} \cdot \varnothing \cdot t_f / \gamma_{M2}$ resistenza a rifollamento flangia in direzione x

$F_{v,x,Rd} = \min [F_{vb,Rd}, F_{bf,x,Rd}]$ resistenza a taglio di progetto in direzione x

$F_{bf,y,Rd} = k \cdot \alpha \cdot f_{tk} \cdot \varnothing \cdot t_f / \gamma_{M2}$ resistenza a rifollamento flangia in direzione y

$F_{v,y,Rd} = \min [F_{vb,Rd}, F_{bf,y,Rd}]$ resistenza a taglio di progetto in direzione y



Verifiche sui bulloni

1-Taglio e trazione (Nodo n. 18, CMB n. 45)

Bull.	X [mm]	Y [mm]	$F_{v,Ed}$ [N]	$F_{t,Rd}$ [N]	$F_{t,Ed}$ [N]	$F_{t,Rd}$ [N]	FV_1	VER
1	45.00	-174.50	363.7	94097.0	13443.5	23676.7	0.409432	Ok
2	45.00	-102.50	363.8	94097.0	8610.1	48476.5	0.130733	Ok
3	45.00	-36.00	363.9	94097.0	4145.9	48920.6	0.064401	Ok
4	45.00	36.00	364.2	94097.0	0.0	48920.6	0.003870	Ok
5	-45.00	-174.50	369.7	94097.0	13557.3	23676.7	0.412932	Ok
6	-45.00	-102.50	369.8	94097.0	8723.9	48476.5	0.132475	Ok

7	-45.00	-36.00	370.0	94097.0	4259.7	48920.6	0.066128	Ok
8	-45.00	36.00	370.2	94097.0	0.0	48920.6	0.003934	Ok

2-Trazione (Nodo n. 18, CMB n. 45)

Bull.	X [mm]	Y [mm]	F _{t,Ed} [N]	F _{t,Rd} [N]	FV ₂	VER
1	45.00	-174.50	13443.5	23676.7	0.567794	Ok
2	45.00	-102.50	8610.1	48476.5	0.177613	Ok
3	45.00	-36.00	4145.9	48920.6	0.084747	Ok
4	45.00	36.00	0.0	48920.6	0.000000	Ok
5	-45.00	-174.50	13557.3	23676.7	0.572603	Ok
6	-45.00	-102.50	8723.9	48476.5	0.179962	Ok
7	-45.00	-36.00	4259.7	48920.6	0.087074	Ok
8	-45.00	36.00	0.0	48920.6	0.000000	Ok

Legenda

$F_{v,Ed}$ forza di taglio agente sul bullone
 $F_{v,Rd}$ resistenza a taglio di progetto del bullone
 $F_{t,Ed}$ forza di trazione agente sul bullone
 $F_{t,Rd}$ resistenza a trazione di progetto del bullone
 $FV_1 = F_{v,Ed} / F_{v,Rd} + F_{t,Ed} / (1.4 \cdot F_{t,Rd})$
 $FV_2 = F_{t,Ed} / F_{t,Rd}$
 $VER \rightarrow FV_i \leq 1$

Verifiche sulle saldature profilo-flangia (versione beta)

Si considera la sezione di gola (avente altezza $a = s_c / 2^{0.5} = 5.657$) in posizione ribaltata: vengono considerate positive le tensioni normali di trazione e le tensioni tangenziali agenti verso destra e verso il basso. Tutte le tensioni sono espresse in N/mm².

Verifica formula (4.2.84) (Nodo n. 18, CMB n. 44)

Cordoni	Lung.[mm]	$n_{\perp}$	$t_{\perp}$	$\tau_{\parallel}$	FV ₁	VER ₁
Nervatura inferiore lato destro	122.0	-53.26	0.00	3.24	53.36	Ok
Nervatura inferiore lato sinistro	122.0	-53.26	0.00	3.24	53.36	Ok
Ala inferiore esterno	160.0	-21.66	0.00	-0.04	21.66	Ok
Ala inferiore interno lato destro	62.0	-16.39	0.00	-0.04	16.39	Ok
Ala inferiore interno lato sinistro	62.0	-17.88	0.00	-0.04	17.88	Ok
Anima lato destro	104.0	-13.52	0.00	3.24	13.90	Ok
Anima lato sinistro	104.0	-13.52	0.00	3.24	13.90	Ok
Ala superiore interno lato destro	62.0	17.68	0.00	-0.04	17.68	Ok
Ala superiore interno lato sinistro	62.0	16.19	0.00	-0.04	16.19	Ok

Verifica formula (4.2.85) (Nodo n. 18, CMB n. 44)

Cordoni	Lung.[mm]	$n_{\perp}$	$t_{\perp}$	$\tau_{\parallel}$	FV ₂	VER ₂
Nervatura inferiore lato destro	122.0	-53.26	0.00	3.24	53.26	Ok
Nervatura inferiore lato sinistro	122.0	-53.26	0.00	3.24	53.26	Ok
Ala inferiore esterno	160.0	-21.66	0.00	-0.04	21.66	Ok
Ala inferiore interno lato destro	62.0	-16.39	0.00	-0.04	16.39	Ok
Ala inferiore interno lato sinistro	62.0	-17.88	0.00	-0.04	17.88	Ok
Anima lato destro	104.0	-13.52	0.00	3.24	13.52	Ok
Anima lato sinistro	104.0	-13.52	0.00	3.24	13.52	Ok
Ala superiore interno lato destro	62.0	17.68	0.00	-0.04	17.68	Ok
Ala superiore interno lato sinistro	62.0	16.19	0.00	-0.04	16.19	Ok

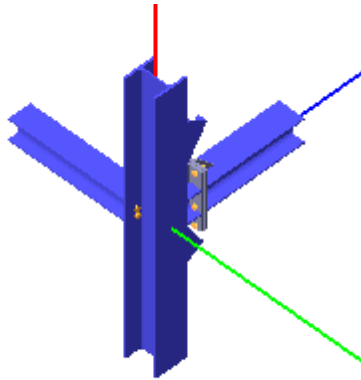
Legenda

$n_{\perp}$ tensione normale perpendicolare all'asse del cordone
 $t_{\perp}$ tensione tangenziale perpendicolare all'asse del cordone
 $\tau_{\parallel}$ tensione tangenziale parallela all'asse del cordone
 $FV_1 = (n_{\perp}^2 + t_{\perp}^2 + \tau_{\parallel}^2)^{0.5}$
 $FV_2 = |n_{\perp}| + |t_{\perp}|$
 $VER_i \rightarrow FV_i \leq \beta_i \cdot f_{yk} \quad (\beta_1 \cdot f_{yk} = 192.50 \text{ N/mm}^2 \quad \beta_2 \cdot f_{yk} = 233.75 \text{ N/mm}^2)$

Verifica del momento di progetto del giunto (Nodo n. 18, CMB n. 45)

Momento resistente del giunto	$M_{j,Rd} =$	36137020.0 N mm
Momento di progetto	$M_{j,Ed} =$	9960048.0 N mm
$M_{j,Ed} / M_{j,Rd} = 0.275619 \quad \text{Ok}$		

Verifica secondo il D.M. 17/01/2018 del nodo 22



Colonna

Tipo di profilo: HEB 200

Materiale: Acciaio S275 $f_y = 275 \text{ N/mm}^2$ $f_t = 430 \text{ N/mm}^2$ $\gamma_{ov} = 1.25$

Classe sezione: 1

Coefficienti di sicurezza utilizzati

$\gamma_{M0} = 1.05$

$\gamma_{M1} = 1.10$

$\gamma_{M2} = 1.25$

Trave lato 2-

Tipo di profilo: HEA 140

Materiale: Acciaio S275 $f_y = 275 \text{ N/mm}^2$ $f_t = 430 \text{ N/mm}^2$ $\gamma_{ov} = 1.25$

Classe sezione: 1

Squadrette:

Tipo di profilo: 2 L 60X6 a dist.= 5.5 mm

Materiale: Acciaio S275 $f_y = 275 \text{ N/mm}^2$ $f_t = 430 \text{ N/mm}^2$ $\gamma_{ov} = 1.25$

Altezza: 78.2 mm

Bullonature:

Viti cl. 8.8 Dadi 8 o 10 ($f_{yb} = 640 \text{ N/mm}^2$, $f_{tb} = 800 \text{ N/mm}^2$)

Diametro gambo $\varnothing = 16 \text{ mm}$ $A_{res} = 156.8 \text{ mm}^2$ (ridotta per filettatura)

Diametro dado/testa $d_m = 24 \text{ mm}$

Diametro foro $\varnothing_0 = 17 \text{ mm}$

Rigidezza giunto (calcolata secondo EN 1993-1-8 : 2005 par. 6.3):

$S_{j,ini}$ non calcolabile

Sollecitazioni nella sezione d'attacco dell'elemento:

Nodo.CMB	V2 [N]	V3 [N]	N [N]	M2 [N mm]	M3 [N mm]	T [N mm]
22.1	13281.5	7725.0	-1662.1	-4035000.0	0.0	355.0
22.2	13281.5	7724.4	-1916.7	-4035000.0	0.0	353.0
22.3	13281.5	7734.9	-1917.0	-4033000.0	0.0	-427.0
22.4	13281.5	7734.3	-2171.7	-4033000.0	0.0	-429.0
22.5	7961.7	7724.6	-1446.1	-4036000.0	0.0	391.0
22.6	7961.7	7724.0	-1700.7	-4036000.0	0.0	389.0
22.7	7961.7	7734.5	-1701.0	-4034000.0	0.0	-391.0
22.8	7961.7	7733.9	-1955.7	-4034000.0	0.0	-393.0
22.9	13281.5	7723.8	-2171.4	-4035000.0	0.0	351.0
22.10	13281.5	7731.9	-1840.6	-4034000.0	0.0	-192.0
22.11	13281.5	7730.8	-2349.8	-4034000.0	0.0	-197.0
22.12	7961.7	7723.4	-1955.4	-4036000.0	0.0	387.0
22.13	7961.7	7731.5	-1624.5	-4034000.0	0.0	-156.0

22.14	7961.7	7730.4	-2133.8	-4034000.0	0.0	-161.0
22.15	13281.5	12874.1	-2238.9	-6726000.0	0.0	674.0
22.16	13281.5	12873.5	-2493.5	-6726000.0	0.0	671.0
22.17	13281.5	12881.0	-2417.3	-6725000.0	0.0	126.0
22.18	13281.5	12880.4	-2672.0	-6725000.0	0.0	124.0
22.19	7961.7	12873.7	-2022.9	-6726000.0	0.0	709.0
22.20	7961.7	12873.1	-2277.5	-6727000.0	0.0	707.0
22.21	7961.7	12880.6	-2201.3	-6725000.0	0.0	162.0
22.22	7961.7	12880.0	-2456.0	-6725000.0	0.0	160.0
22.23	9236.2	-35.1	-4798.6	19482.0	0.0	166.0
22.24	9236.2	-107.4	-2589.8	48951.0	0.0	1645.0
22.25	9236.2	113.6	1289.7	-46209.0	0.0	-2139.0
22.26	9236.2	41.3	3498.5	-16740.0	0.0	-660.0
22.27	9236.2	-36.7	-4595.4	20191.0	0.0	313.0
22.28	9236.2	-105.9	-2793.0	48242.0	0.0	1499.0
22.29	9236.2	112.0	1492.9	-45500.0	0.0	-1993.0
22.30	9236.2	42.8	3295.3	-17449.0	0.0	-807.0
22.31	9236.2	-98.8	-5795.3	-70491.0	0.0	1152.0
22.32	9236.2	-171.2	-3586.6	-41023.0	0.0	2630.0
22.33	9236.2	177.3	2286.5	43765.0	0.0	-3124.0
22.34	9236.2	105.0	4495.3	73233.0	0.0	-1646.0
22.35	9236.2	-100.4	-5592.2	-69782.0	0.0	1298.0
22.36	9236.2	-169.6	-3789.8	-41731.0	0.0	2484.0
22.37	9236.2	175.7	2489.7	44474.0	0.0	-2978.0
22.38	9236.2	106.5	4292.1	72524.0	0.0	-1792.0
22.39	9236.2	101.4	-5244.5	-37889.0	0.0	-2365.0
22.40	9236.2	-139.8	2117.9	60339.0	0.0	2563.0
22.41	9236.2	146.0	-3418.0	-57597.0	0.0	-3057.0
22.42	9236.2	-95.2	3944.4	40631.0	0.0	1872.0
22.43	9236.2	82.2	-5543.6	-64881.0	0.0	-2070.0
22.44	9236.2	-158.9	1818.9	33347.0	0.0	2859.0
22.45	9236.2	165.1	-3119.0	-30605.0	0.0	-3353.0
22.46	9236.2	-76.1	4243.5	67623.0	0.0	1576.0
22.47	9236.2	96.0	-4567.3	-35526.0	0.0	-1878.0
22.48	9236.2	-134.5	1440.8	57975.0	0.0	2076.0
22.49	9236.2	140.6	-2740.8	-55233.0	0.0	-2570.0
22.50	9236.2	-89.9	3267.3	38268.0	0.0	1384.0
22.51	9236.2	76.9	-4866.4	-62518.0	0.0	-1582.0
22.52	9236.2	-153.6	1141.7	30983.0	0.0	2371.0
22.53	9236.2	159.8	-2441.8	-28241.0	0.0	-2865.0
22.54	9236.2	-70.8	3566.3	65260.0	0.0	1089.0

Calcolo resistenze

Resistenza a trazione dei bulloni	$F_{tb,Rd} = 0.9 \cdot f_{tb} \cdot A_{res} / \gamma_{M2} =$	90333.1 N
Resistenza a punzonamento squadretta	$B_{ps,Rd} = 0.6 \cdot \pi \cdot d_m \cdot t_s \cdot f_{tk} / \gamma_{M2} =$	93373.2 N
Resistenza a punzonamento ala passante	$B_{pa,Rd} = 0.6 \cdot \pi \cdot d_m \cdot t_a \cdot f_{tk} / \gamma_{M2} =$	233432.9 N
Resistenza a trazione di progetto	$F_{t,Rd} = \min [F_{tb,Rd} , B_{ps,Rd} , B_{pa,Rd}] =$	90333.1 N

Bulloni sistema principale

Resistenza a taglio dei bulloni			$F_{vb,Rd} = 0.6 \cdot f_{tb} \cdot A_{res} / \gamma_{M2} =$			60222.1 N
Bull.	$F_{bs,x,Rd}$ [N]	$F_{ba,x,Rd}$ [N]	$F_{v,x,Rd}$ [N]	$F_{bs,y,Rd}$ [N]	$F_{ba,y,Rd}$ [N]	$F_{v,y,Rd}$ [N]
1	30473.4	206400.0	30473.4	33024.0	206400.0	33024.0
2	30473.4	206400.0	30473.4	33024.0	206400.0	33024.0
3	30473.4	206400.0	30473.4	33024.0	206400.0	33024.0
4	30473.4	206400.0	30473.4	33024.0	206400.0	33024.0

Legenda

$F_{bs,x,Rd} = k \cdot \alpha \cdot f_{tk} \cdot \emptyset \cdot t_s / \gamma_{M2}$ resistenza a rifollamento squadretta in direzione x
 $F_{ba,x,Rd} = k \cdot \alpha \cdot f_{tk} \cdot \emptyset \cdot t_a / \gamma_{M2}$ resistenza a rifollamento ala passante in direzione x
 $F_{v,x,Rd} = \min [F_{vb,Rd} , F_{bs,x,Rd} , F_{ba,x,Rd}]$ resistenza a taglio di progetto in direzione x
 $F_{bs,y,Rd} = k \cdot \alpha \cdot f_{tk} \cdot \emptyset \cdot t_s / \gamma_{M2}$ resistenza a rifollamento squadretta in direzione y

$F_{ba,y,Rd} = k \cdot \alpha \cdot f_{tk} \cdot \varnothing \cdot t_a / \gamma_{M2}$ resistenza a rifollamento ala passante in direzione y
 $F_{v,y,Rd} = \min [F_{vb,Rd} , F_{bs,y,Rd} , F_{ba,y,Rd}]$ resistenza a taglio di progetto in direzione y

Bulloni sistema secondario

Resistenza a taglio dei bulloni

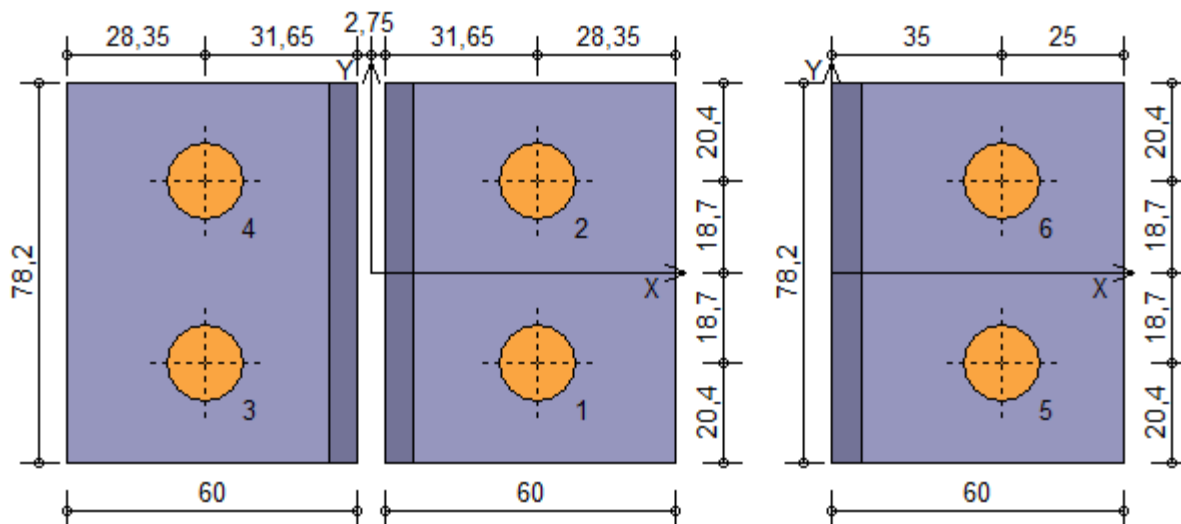
$$F_{vb,Rd} = 2 \cdot 0.6 \cdot f_{tb} \cdot A_{res} / \gamma_{M2} = 120444.1 \text{ N}$$

Bull.	$F_{bs,x,Rd} \text{ [N]}$	$F_{ba,x,Rd} \text{ [N]}$	$F_{v,x,Rd} \text{ [N]}$	$F_{bs,y,Rd} \text{ [N]}$	$F_{ba,y,Rd} \text{ [N]}$	$F_{v,y,Rd} \text{ [N]}$
5	53745.0	37098.0	37098.0	63872.3	68594.9	63872.3
6	53745.0	37098.0	37098.0	63872.3	68594.9	63872.3

Legenda

$F_{ba,x,Rd} = k \cdot \alpha \cdot f_{tk} \cdot \varnothing \cdot t_a / \gamma_{M2}$ resistenza a rifollamento anima elemento in direzione x

$F_{ba,y,Rd} = k \cdot \alpha \cdot f_{tk} \cdot \varnothing \cdot t_a / \gamma_{M2}$ resistenza a rifollamento anima elemento in direzione y



Verifiche sui bulloni

Sistema principale

1-Taglio e trazione (Nodo n. 22, CMB n. 15)

Bull.	X [mm]	Y [mm]	$F_{v,Ed} \text{ [N]}$	$F_{v,Rd} \text{ [N]}$	$F_{t,Ed} \text{ [N]}$	$F_{t,Rd} \text{ [N]}$	FV_1	VER
1	34.40	-18.70	9900.0	30473.4	316.7	90333.1	0.327379	Ok
2	34.40	18.70	4401.6	33024.0	3674.2	90333.1	0.162339	Ok
3	-34.40	-18.70	4401.6	33024.0	316.7	90333.1	0.135790	Ok
4	-34.40	18.70	9900.0	30473.4	3674.2	90333.1	0.353927	Ok

2-Trazione (Nodo n. 22, CMB n. 34)

Bull.	X [mm]	Y [mm]	$F_{t,Ed} \text{ [N]}$	$F_{t,Rd} \text{ [N]}$	FV_2	VER
1	34.40	-18.70	1189.6	90333.1	0.013169	Ok
2	34.40	18.70	4356.7	90333.1	0.048229	Ok
3	-34.40	-18.70	1189.6	90333.1	0.013169	Ok
4	-34.40	18.70	4356.7	90333.1	0.048229	Ok

Sistema secondario

3-Taglio (Nodo n. 22, CMB n. 18)

Bull.	X [mm]	Y [mm]	$F_{v,Ed} \text{ [N]}$	$F_{v,Rd} \text{ [N]}$	FV_3	VER
5	35.00	-18.70	6773.8	63872.3	0.106052	Ok
6	35.00	18.70	6773.8	63872.3	0.106052	Ok

Legenda

$F_{v,Ed}$ forza di taglio agente sul bullone

$F_{v,Rd}$ resistenza a taglio di progetto del bullone

$F_{t,Ed}$ forza di trazione agente sul bullone

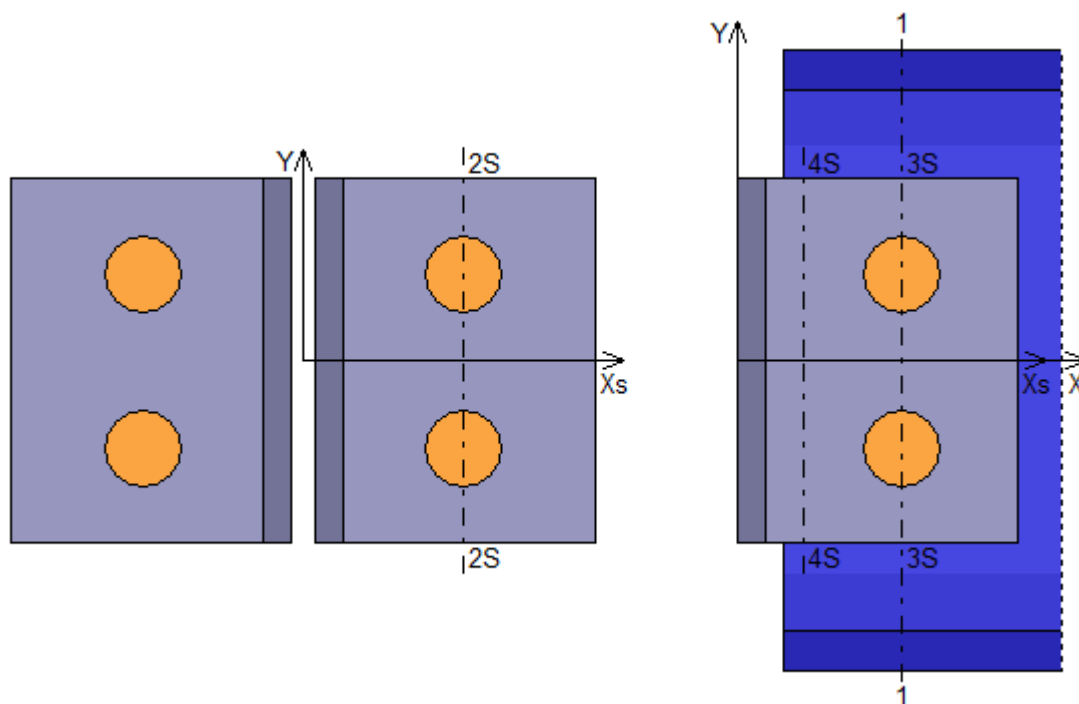
$F_{t,Rd}$ resistenza a trazione di progetto del bullone

$FV_1 = F_{v,Ed} / F_{v,Rd} + F_{t,Ed} / (1.4 \cdot F_{t,Rd})$

$FV_2 = F_{t,Ed} / F_{t,Rd}$

$FV_3 = F_{v,Ed} / F_{v,Rd}$

VER $\rightarrow FV_i \leq 1$



Verifiche sezioni ridotte

Caratteristiche sezioni ridotte elemento

Sez.	X [mm]	Y _G [mm]	A [mm ²]	A _T [mm ²]	J _x [mm ⁴]	W _x [mm ³]
1	35.00	0.00	2953.0	451.0	10264610	154355

Caratteristiche sezioni ridotte squadrette

Sez.	X [mm]	Y _G [mm]	A [mm ²]	A _T [mm ²]	J _x [mm ⁴]	W _x [mm ³]	J _y [mm ⁴]	W _y [mm ³]
2S	34.40	0.00	265.2	265.2	167769	4291	796	265
3S	35.00	0.00	530.4	530.4	335538	8582	-	-
4S	14.00	0.00	938.4	938.4	478212	12230	-	-

Sollecitazioni massime

Sez.	Nodo.CMB	V2 [N]	V3 [N]	N [N]	M2 [N mm]	M3 [N mm]
1	22.18	13281.5	-	-2672.0	-	0.0
2S	22.18	6640.8	-1336.0	6440.2	0.0	228441.8
3S	22.18	13281.5	-	-2672.0	-	0.0
4S	22.18	13281.5	-	-2672.0	-	-278911.5

Tensioni massime

Sez.	τ _{MED} [N/mm ²]	σ _{MAX} [N/mm ²]	σ _{ID} [N/mm ²]	FV	VER
1	29.45	0.90	51.02	0.19	Ok
2S	25.54	77.52	89.26	0.34	Ok
3S	25.04	5.04	43.66	0.17	Ok
4S	14.15	25.65	35.48	0.14	Ok

Legenda

$$FV = \sigma_{ID} / f_d$$

$$VER \rightarrow FV \leq 1$$

$$f_d = f_y / \gamma_{M0} \rightarrow f_d = 262.00 \text{ N/mm}^2 \text{ sia per l'elemento, sia per le squadrette}$$

Trave lato 3+

Tipo di profilo: HEA 160

Materiale: Acciaio S275 $f_y = 275 \text{ N/mm}^2$ $f_t = 430 \text{ N/mm}^2$ $\gamma_{ov} = 1.25$

Classe sezione: 1

Flangia:

Materiale: Acciaio S275 $f_y = 275 \text{ N/mm}^2$ $f_t = 430 \text{ N/mm}^2$ $\gamma_{ov} = 1.25$

Dimensioni (B x H x Sp): 160.0 x 359.6 x 15.0 mm

Spessore nervature verticali: 10.0 mm

Bullonature:

Viti cl. 8.8 Dadi 8 o 10 ($f_{yb} = 640 \text{ N/mm}^2$, $f_{tb} = 800 \text{ N/mm}^2$)

Diametro gambo $\varnothing = 16 \text{ mm}$ $A_{res} = 156.8 \text{ mm}^2$ (ridotta per filettatura)

Diametro dado/testa $d_m = 24 \text{ mm}$

Diametro foro $\varnothing_0 = 17 \text{ mm}$

Rigidezza giunto (calcolata secondo EN 1993-1-8 : 2005 par. 6.3):

$S_{j,ini}$ non calcolabile

Saldature:

Materiale: Acciaio S275 $f_y = 275 \text{ N/mm}^2$ $f_t = 430 \text{ N/mm}^2$ $\beta_1 = 0.70$ $\beta_2 = 0.85$

Spessore cordoni d'angolo $s_c = 5 \text{ mm}$

Sollecitazioni nella sezione d'attacco dell'elemento:

Nodo.CMB	V2 [N]	V3 [N]	N [N]	M2 [N mm]	M3 [N mm]	T [N mm]
22.1	2249.0	-1972.6	3555.3	3980000.0	-54649.5	1124.0
22.2	2209.3	-1974.6	3789.1	3980000.0	36888.2	1129.0
22.3	1631.2	-1935.0	1239.3	3977000.0	102260.0	918.0
22.4	1591.5	-1937.0	1473.1	3978000.0	193798.8	923.0
22.5	1791.1	-1974.6	3325.5	3980000.0	-104868.2	1165.0
22.6	1751.4	-1976.6	3559.2	3980000.0	-13330.5	1169.0
22.7	1173.3	-1937.0	1009.5	3977000.0	52041.3	959.0
22.8	1133.6	-1939.0	1243.3	3978000.0	143580.0	964.0
22.9	2169.6	-1976.6	4022.9	3981000.0	128427.0	1134.0
22.10	1816.5	-1946.3	1934.1	3978000.0	55178.2	980.0
22.11	1737.2	-1950.3	2401.7	3979000.0	238278.0	990.0
22.12	1711.8	-1978.6	3793.0	3981000.0	78230.5	1174.0
22.13	1358.6	-1948.3	1704.3	3978000.0	4959.5	1021.0
22.14	1279.3	-1952.3	2171.8	3979000.0	188058.3	1031.0
22.15	2381.8	-3292.8	5365.8	6633000.0	-189850.5	1991.0
22.16	2342.2	-3294.8	5599.5	6634000.0	-98289.5	1996.0
22.17	1949.4	-3266.5	3744.6	6631000.0	-80000.5	1847.0
22.18	1909.7	-3268.5	3978.4	6632000.0	11538.2	1852.0
22.19	1924.0	-3294.9	5135.9	6633000.0	-240047.0	2032.0
22.20	1884.3	-3296.9	5369.7	6633000.0	-148509.3	2037.0
22.21	1491.5	-3268.6	3514.7	6631000.0	-130219.2	1888.0
22.22	1451.8	-3270.6	3748.5	6632000.0	-38680.5	1893.0
22.23	1378.5	-51.5	-1925.1	-18435.0	315766.3	792.0
22.24	1142.2	-185.3	-507.9	-45267.0	720409.5	4549.0
22.25	1777.2	212.2	841.9	44522.0	-443699.0	-4904.0
22.26	1541.0	78.4	2259.1	17691.0	-39033.5	-1146.0
22.27	1385.9	-54.8	-1836.3	-18461.0	322551.7	1190.0
22.28	1134.8	-182.0	-596.7	-45241.0	713624.0	4150.0
22.29	1784.6	208.8	930.7	44497.0	-436912.5	-4505.0
22.30	1533.6	81.7	2170.3	17717.0	-45819.0	-1545.0
22.31	1248.7	-171.5	-2131.2	67245.0	479254.8	3317.0
22.32	1012.4	-305.3	-714.1	40413.0	883898.1	7074.0
22.33	1907.0	332.2	1048.1	-41158.0	-606692.5	-7429.0
22.34	1670.7	198.3	2465.3	-67989.0	-202543.3	-3672.0
22.35	1256.1	-174.8	-2042.5	67219.0	486040.3	3716.0
22.36	1005.0	-302.0	-802.8	40439.0	877111.5	6676.0
22.37	1914.4	328.8	1136.9	-41184.0	-600046.0	-7030.0
22.38	1663.3	201.7	2376.5	-67963.0	-209328.7	-4071.0
22.39	1793.7	196.9	-2610.0	34903.0	-422136.7	-5585.0
22.40	1006.1	-249.2	2113.9	-54534.0	926689.3	6939.0
22.41	1913.3	276.0	-1779.9	53790.0	-650290.8	-7294.0
22.42	1125.7	-170.1	2944.0	-35647.0	698848.3	5230.0
22.43	1754.8	160.9	-2671.8	60607.0	-373082.0	-4828.0
22.44	967.2	-285.2	2052.1	-28830.0	975745.0	7697.0

22.45	1952.2	312.0	-1718.0	28086.0	-698635.5	-8051.0
22.46	1164.7	-134.1	3005.9	-61351.0	649814.8	4473.0
22.47	1818.4	185.8	-2314.1	34817.0	-399510.0	-4256.0
22.48	981.4	-238.0	1818.0	-54448.0	904062.5	5610.0
22.49	1938.0	264.9	-1484.0	53704.0	-627795.0	-5964.0
22.50	1101.1	-158.9	2648.1	-35561.0	676242.8	3901.0
22.51	1779.4	149.8	-2375.9	60521.0	-350476.5	-3498.0
22.52	942.5	-274.0	1756.2	-28744.0	953118.3	6367.0
22.53	1976.9	300.9	-1422.1	28000.0	-676139.8	-6722.0
22.54	1140.0	-122.9	2709.9	-61265.0	627188.0	3143.0

Calcolo resistenze

Resistenza a trazione dei bulloni

$$F_{tb,Rd} = 0.9 \cdot f_{tb} \cdot A_{res} / \gamma_{M2} = 90333.1 \text{ N}$$

Resistenza a punzonamento flangia

$$B_{pf,Rd} = 0.6 \cdot \pi \cdot d_m \cdot t_f \cdot f_{tk} / \gamma_{M2} = 233432.9 \text{ N}$$

Bull.	$F_{f,Rd}$ [N]	$F_{t,Rd}$ [N]
1	28101.3	28101.3
2	46626.8	46626.8
3	46626.8	46626.8
4	28436.3	28436.3
5	28101.3	28101.3
6	46626.8	46626.8
7	46626.8	46626.8
8	28436.3	28436.3

Legenda

$F_{f,Rd} = M_{res,m} / (B_m \cdot R_m)$ resistenza a flessione flangia

$F_{t,Rd} = \min [F_{tb,Rd} , B_{pf,Rd} , F_{f,Rd}]$ resistenza a trazione di progetto

Resistenza a taglio dei bulloni

$$F_{vb,Rd} = 0.6 \cdot f_{tb} \cdot A_{res} / \gamma_{M2} = 60222.1 \text{ N}$$

Bull.	$F_{bf,x,Rd}$ [N]	$F_{v,x,Rd}$ [N]	$F_{bf,y,Rd}$ [N]	$F_{v,y,Rd}$ [N]
1	94053.7	60222.1	82560.0	60222.1
2	141647.1	60222.1	206400.0	60222.1
3	141647.1	60222.1	206400.0	60222.1
4	94986.9	60222.1	82964.7	60222.1
5	94053.7	60222.1	82560.0	60222.1
6	141647.1	60222.1	206400.0	60222.1
7	141647.1	60222.1	206400.0	60222.1
8	94986.9	60222.1	82964.7	60222.1

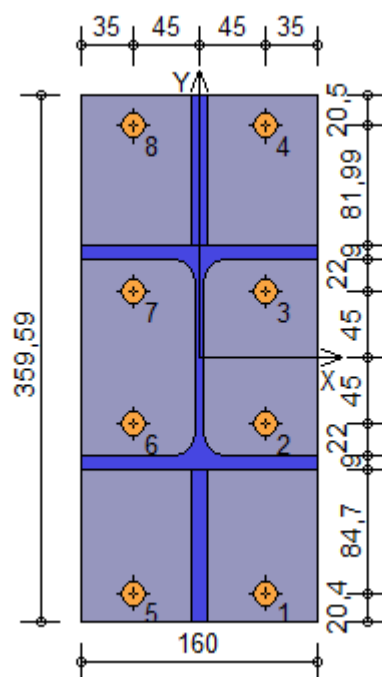
Legenda

$F_{bf,x,Rd} = k \cdot \alpha \cdot f_{tk} \cdot \emptyset \cdot t_f / \gamma_{M2}$ resistenza a rifollamento flangia in direzione x

$F_{v,x,Rd} = \min [F_{vb,Rd} , F_{bf,x,Rd}]$ resistenza a taglio di progetto in direzione x

$F_{bf,y,Rd} = k \cdot \alpha \cdot f_{tk} \cdot \emptyset \cdot t_f / \gamma_{M2}$ resistenza a rifollamento flangia in direzione y

$F_{v,y,Rd} = \min [F_{vb,Rd} , F_{bf,y,Rd}]$ resistenza a taglio di progetto in direzione y



Verifiche sui bulloni

1-Taglio e trazione (Nodo n. 22, CMB n. 16)

Bull.	X [mm]	Y [mm]	$F_{v,Ed}$ [N]	$F_{v,Rd}$ [N]	$F_{t,Ed}$ [N]	$F_{t,Rd}$ [N]	FV_1	VER
1	45.00	-160.70	502.8	60222.1	14348.5	28101.3	0.373062	Ok
2	45.00	-45.00	504.3	60222.1	14361.0	46626.8	0.228373	Ok
3	45.00	45.00	505.5	60222.1	14370.7	46626.8	0.228542	Ok
4	45.00	157.99	507.0	60222.1	14382.9	28436.3	0.369700	Ok
5	-45.00	-160.70	503.7	60222.1	2078.0	28101.3	0.061182	Ok
6	-45.00	-45.00	505.2	60222.1	2090.5	46626.8	0.040413	Ok
7	-45.00	45.00	506.3	60222.1	2100.2	46626.8	0.040581	Ok
8	-45.00	157.99	507.8	60222.1	2112.4	28436.3	0.061494	Ok

2-Trazione (Nodo n. 22, CMB n. 16)

Bull.	X [mm]	Y [mm]	$F_{t,Ed}$ [N]	$F_{t,Rd}$ [N]	FV_2	VER
1	45.00	-160.70	14348.5	28101.3	0.510597	Ok
2	45.00	-45.00	14361.0	46626.8	0.307998	Ok
3	45.00	45.00	14370.7	46626.8	0.308207	Ok
4	45.00	157.99	14382.9	28436.3	0.505794	Ok
5	-45.00	-160.70	2078.0	28101.3	0.073946	Ok
6	-45.00	-45.00	2090.5	46626.8	0.044835	Ok
7	-45.00	45.00	2100.2	46626.8	0.045043	Ok
8	-45.00	157.99	2112.4	28436.3	0.074287	Ok

Legenda

$F_{v,Ed}$ forza di taglio agente sul bullone

$F_{v,Rd}$ resistenza a taglio di progetto del bullone

$F_{t,Ed}$ forza di trazione agente sul bullone

$F_{t,Rd}$ resistenza a trazione di progetto del bullone

$FV_1 = F_{v,Ed} / F_{v,Rd} + F_{t,Ed} / (1.4 \cdot F_{t,Rd})$

$FV_2 = F_{t,Ed} / F_{t,Rd}$

VER $\rightarrow FV_i \leq 1$

Verifiche sulle saldature profilo-flangia (versione beta)

Si considera la sezione di gola (avente altezza $a = s_c / 2^{0.5} = 3.536$) in posizione ribaltata: vengono considerate positive le tensioni normali di trazione e le tensioni tangenziali agenti verso destra e verso il basso. Tutte le tensioni sono espresse in N/mm².

Verifica formula (4.2.84) (Nodo n. 22, CMB n. 19)

Cordoni	Lung.[mm]	$n_{\perp}$	$t_{\perp}$	$\tau_{\parallel}$	FV_1	VER ₁
Nervatura inferiore lato destro	100.1	0.70	0.00	0.90	1.14	Ok
Nervatura inferiore lato sinistro	100.1	0.70	0.00	0.90	1.14	Ok

Ala inferiore esterno	160.0	-109.83	0.00	-1.64	109.85	Ok
Ala inferiore interno lato destro	62.0	111.36	0.00	-1.64	111.38	Ok
Ala inferiore interno lato sinistro	62.0	-109.75	0.00	-1.64	109.76	Ok
Anima lato destro	104.0	1.59	0.00	0.90	1.82	Ok
Anima lato sinistro	104.0	1.59	0.00	0.90	1.82	Ok
Ala superiore interno lato destro	62.0	112.23	0.00	-1.64	112.24	Ok
Ala superiore interno lato sinistro	62.0	-108.88	0.00	-1.64	108.90	Ok
Ala superiore esterno	160.0	-108.80	0.00	-1.64	108.81	Ok
Nervatura superiore lato destro	97.5	2.43	0.00	0.90	2.59	Ok
Nervatura superiore lato sinistro	97.5	2.43	0.00	0.90	2.59	Ok

Verifica formula (4.2.85) (Nodo n. 22, CMB n. 19)

Cordoni	Lung.[mm]	$n_{\perp}$	$t_{\perp}$	$\tau_{\parallel}$	FV ₂	VER ₂
Nervatura inferiore lato destro	100.1	0.70	0.00	0.90	0.70	Ok
Nervatura inferiore lato sinistro	100.1	0.70	0.00	0.90	0.70	Ok
Ala inferiore esterno	160.0	-109.83	0.00	-1.64	109.83	Ok
Ala inferiore interno lato destro	62.0	111.36	0.00	-1.64	111.36	Ok
Ala inferiore interno lato sinistro	62.0	-109.75	0.00	-1.64	109.75	Ok
Anima lato destro	104.0	1.59	0.00	0.90	1.59	Ok
Anima lato sinistro	104.0	1.59	0.00	0.90	1.59	Ok
Ala superiore interno lato destro	62.0	112.23	0.00	-1.64	112.23	Ok
Ala superiore interno lato sinistro	62.0	-108.88	0.00	-1.64	108.88	Ok
Ala superiore esterno	160.0	-108.80	0.00	-1.64	108.80	Ok
Nervatura superiore lato destro	97.5	2.43	0.00	0.90	2.43	Ok
Nervatura superiore lato sinistro	97.5	2.43	0.00	0.90	2.43	Ok

Legenda

$n_{\perp}$ tensione normale perpendicolare all'asse del cordone

$t_{\perp}$ tensione tangenziale perpendicolare all'asse del cordone

$\tau_{\parallel}$ tensione tangenziale parallela all'asse del cordone

$$FV_1 = (n_{\perp}^2 + t_{\perp}^2 + \tau_{\parallel}^2)^{0.5}$$

$$FV_2 = |n_{\perp}| + |t_{\perp}|$$

$$VER_i \rightarrow FV_i \leq \beta_i \cdot f_{yk} \quad (\beta_1 \cdot f_{yk} = 192.50 \text{ N/mm}^2 \quad \beta_2 \cdot f_{yk} = 233.75 \text{ N/mm}^2)$$

Verifica del momento di progetto del giunto (Nodo n. 22, CMB n. 22)

Momento resistente del giunto	$M_{j,Rd} =$	21981490.0 N mm
Momento di progetto	$M_{j,Ed} =$	6632000.0 N mm
$M_{j,Ed} / M_{j,Rd} = 0.301708 \quad \text{Ok}$		

Controvento Col. Sup. ÷ Trave 3+

Tipo di profilo: UNP 140

Materiale: Acciaio S275 $f_y = 275 \text{ N/mm}^2$ $f_t = 430 \text{ N/mm}^2$ $\gamma_{ov} = 1.25$

Piastra di collegamento:

Materiale: Acciaio S275 $f_y = 275 \text{ N/mm}^2$ $f_t = 430 \text{ N/mm}^2$ $\gamma_{ov} = 1.25$

Spessore: 10.0 mm

Bullonature:

Viti cl. 8.8 Dadi 8 o 10 ($f_{yb} = 640 \text{ N/mm}^2$, $f_{tb} = 800 \text{ N/mm}^2$)

Diametro gambo $\varnothing = 16 \text{ mm}$ $A_{res} = 156.8 \text{ mm}^2$ (ridotta per filettatura)

Diametro dado/testa $d_m = 24 \text{ mm}$

Diametro foro $\varnothing_0 = 17 \text{ mm}$

Sollecitazioni nella sezione d'attacco del controvento:

Nodo.CMB	V2 [N]	V3 [N]	N [N]	M2 [N mm]	M3 [N mm]	T [N mm]
22.1	291.5	0.0	-4605.9	0.0	0.0	0.0
22.2	291.5	0.0	-5015.4	0.0	0.0	0.0
22.3	291.5	0.0	-5268.4	0.0	0.0	0.0
22.4	291.5	0.0	-5678.0	0.0	0.0	0.0
22.5	224.2	0.0	-4203.6	0.0	0.0	0.0
22.6	224.2	0.0	-4613.1	0.0	0.0	0.0

22.7	224.2	0.0	-4866.1	0.0	0.0	0.0
22.8	224.2	0.0	-5275.7	0.0	0.0	0.0
22.9	291.5	0.0	-5425.0	0.0	0.0	0.0
22.10	291.5	0.0	-5069.7	0.0	0.0	0.0
22.11	291.5	0.0	-5888.8	0.0	0.0	0.0
22.12	224.2	0.0	-5022.7	0.0	0.0	0.0
22.13	224.2	0.0	-4667.4	0.0	0.0	0.0
22.14	224.2	0.0	-5486.5	0.0	0.0	0.0
22.15	291.5	0.0	-6508.5	0.0	0.0	0.0
22.16	291.5	0.0	-6918.1	0.0	0.0	0.0
22.17	291.5	0.0	-6972.3	0.0	0.0	0.0
22.18	291.5	0.0	-7381.9	0.0	0.0	0.0
22.19	224.2	0.0	-6106.2	0.0	0.0	0.0
22.20	224.2	0.0	-6515.8	0.0	0.0	0.0
22.21	224.2	0.0	-6570.0	0.0	0.0	0.0
22.22	224.2	0.0	-6979.6	0.0	0.0	0.0
22.23	224.2	0.0	-5239.5	0.0	0.0	0.0
22.24	224.2	0.0	-2382.1	0.0	0.0	0.0
22.25	224.2	0.0	-579.8	0.0	0.0	0.0
22.26	224.2	0.0	2277.6	0.0	0.0	0.0
22.27	224.2	0.0	-5712.5	0.0	0.0	0.0
22.28	224.2	0.0	-1909.1	0.0	0.0	0.0
22.29	224.2	0.0	-1052.8	0.0	0.0	0.0
22.30	224.2	0.0	2750.5	0.0	0.0	0.0
22.31	224.2	0.0	-7474.9	0.0	0.0	0.0
22.32	224.2	0.0	-4617.5	0.0	0.0	0.0
22.33	224.2	0.0	1655.6	0.0	0.0	0.0
22.34	224.2	0.0	4513.0	0.0	0.0	0.0
22.35	224.2	0.0	-7947.9	0.0	0.0	0.0
22.36	224.2	0.0	-4144.5	0.0	0.0	0.0
22.37	224.2	0.0	1182.6	0.0	0.0	0.0
22.38	224.2	0.0	4985.9	0.0	0.0	0.0
22.39	224.2	0.0	-6942.3	0.0	0.0	0.0
22.40	224.2	0.0	2582.5	0.0	0.0	0.0
22.41	224.2	0.0	-5544.4	0.0	0.0	0.0
22.42	224.2	0.0	3980.4	0.0	0.0	0.0
22.43	224.2	0.0	-7612.9	0.0	0.0	0.0
22.44	224.2	0.0	1911.8	0.0	0.0	0.0
22.45	224.2	0.0	-4873.8	0.0	0.0	0.0
22.46	224.2	0.0	4651.0	0.0	0.0	0.0
22.47	224.2	0.0	-8518.8	0.0	0.0	0.0
22.48	224.2	0.0	4158.9	0.0	0.0	0.0
22.49	224.2	0.0	-7120.9	0.0	0.0	0.0
22.50	224.2	0.0	5556.8	0.0	0.0	0.0
22.51	224.2	0.0	-9189.4	0.0	0.0	0.0
22.52	224.2	0.0	3488.3	0.0	0.0	0.0
22.53	224.2	0.0	-6450.2	0.0	0.0	0.0
22.54	224.2	0.0	6227.5	0.0	0.0	0.0

Calcolo resistenze

Resistenza a taglio dei bulloni

$$F_{vb,Rd} = 0.6 \cdot f_{tb} \cdot A_{res} / \gamma_{M2} =$$

60222.1 N

Bull.	$F_{bp,x,Rd}$ [N]	$F_{ba,x,Rd}$ [N]	$F_{v,x,Rd}$ [N]	$F_{bp,y,Rd}$ [N]	$F_{ba,y,Rd}$ [N]	$F_{v,y,Rd}$ [N]
1	137600.0	60436.1	60222.1	137600.0	96320.0	60222.1
2	86972.3	96320.0	60222.1	137600.0	96320.0	60222.1

Legenda

$F_{bp,x,Rd} = k \cdot \alpha \cdot f_{tk} \cdot \emptyset \cdot t_c / \gamma_{M2}$ resistenza a rifollamento piastra in direzione x

$F_{ba,x,Rd} = k \cdot \alpha \cdot f_{tk} \cdot \emptyset \cdot t_a / \gamma_{M2}$ resistenza a rifollamento asta elemento in direzione x

$F_{v,x,Rd} = \min [F_{vb,Rd} , F_{bp,x,Rd} , F_{ba,x,Rd}]$ resistenza a taglio di progetto in direzione x

$F_{bp,y,Rd} = k \cdot \alpha \cdot f_{tk} \cdot \emptyset \cdot t_c / \gamma_{M2}$ resistenza a rifollamento piastra in direzione y

$F_{ba,y,Rd} = k \cdot \alpha \cdot f_{tk} \cdot \emptyset \cdot t_a / \gamma_{M2}$ resistenza a rifollamento asta elemento in direzione y

$F_{v,y,Rd} = \min [F_{vb,Rd} , F_{bp,y,Rd} , F_{ba,y,Rd}]$ resistenza a taglio di progetto in direzione y

Verifiche a taglio sui bulloni (Nodo n. 22, CMB n. 51)

Bull.	X [mm]	Y [mm]	$F_{v,Ed}$ [N]	$F_{v,Rd}$ [N]	FV	VER
1	32.00	0.00	4596.1	60222.1	0.076319	Ok
2	80.00	0.00	4596.1	60222.1	0.076319	Ok

Legenda $F_{v,Ed}$ forza di taglio agente sul bullone $F_{v,Rd}$ resistenza a taglio di progetto del bulloneFV = $F_{v,Ed} / F_{v,Rd}$ VER $\rightarrow$ FV $\leq$ 1**Verifica di resistenza controvento** (Nodo n. 22, CMB n. 51)

La verifica viene eseguita considerando il massimo valore assoluto dello sforzo normale applicato.

Resistenza plastica della sezione lorda	$N_{pl,Rd} = A \cdot f_{yk} / \gamma_{M0} =$	534285.8 N
Resistenza a rottura della sezione netta	$N_{u,Rd} = 0.9 \cdot A_{net} \cdot f_{tk} / \gamma_{M2} =$	594741.6 N
Resistenza assiale di calcolo	$N_{t,Rd} = \min [N_{u,Rd} , N_{pl,Rd}] =$	534285.8 N
Azione assiale di progetto (compressione)	$N_{Ed} =$	9189.4 N
$N_{Ed} / N_{t,Rd} = 0.017199$ Ok		

Controvento Col. Inf. ÷ Trave 3+

Tipo di profilo: UNP 140

Materiale: Acciaio S275 $f_y = 275 \text{ N/mm}^2$ $f_t = 430 \text{ N/mm}^2$ $\gamma_{ov} = 1.25$ **Piastra di collegamento:**Materiale: Acciaio S275 $f_y = 275 \text{ N/mm}^2$ $f_t = 430 \text{ N/mm}^2$ $\gamma_{ov} = 1.25$

Spessore: 10.0 mm

Bullonature:Viti cl. 8.8 Dadi 8 o 10 ($f_{yb} = 640 \text{ N/mm}^2$, $f_{tb} = 800 \text{ N/mm}^2$)Diametro gambo $\varnothing = 16 \text{ mm}$ $A_{res} = 156.8 \text{ mm}^2$ (ridotta per filettatura)Diametro dado/testa $d_m = 24 \text{ mm}$ Diametro foro $\varnothing_0 = 17 \text{ mm}$ **Sollecitazioni nella sezione d'attacco del controvento:**

Nodo.CMB	V2 [N]	V3 [N]	N [N]	M2 [N mm]	M3 [N mm]	T [N mm]
22.1	291.5	0.0	8900.5	0.0	0.0	0.0
22.2	291.5	0.0	8775.9	0.0	0.0	0.0
22.3	291.5	0.0	14358.9	0.0	0.0	0.0
22.4	291.5	0.0	14234.3	0.0	0.0	0.0
22.5	224.2	0.0	8971.7	0.0	0.0	0.0
22.6	224.2	0.0	8847.2	0.0	0.0	0.0
22.7	224.2	0.0	14430.1	0.0	0.0	0.0
22.8	224.2	0.0	14305.6	0.0	0.0	0.0
22.9	291.5	0.0	8651.4	0.0	0.0	0.0
22.10	291.5	0.0	12721.3	0.0	0.0	0.0
22.11	291.5	0.0	12472.3	0.0	0.0	0.0
22.12	224.2	0.0	8722.7	0.0	0.0	0.0
22.13	224.2	0.0	12792.6	0.0	0.0	0.0
22.14	224.2	0.0	12543.5	0.0	0.0	0.0
22.15	291.5	0.0	14799.7	0.0	0.0	0.0
22.16	291.5	0.0	14675.2	0.0	0.0	0.0
22.17	291.5	0.0	18620.6	0.0	0.0	0.0
22.18	291.5	0.0	18496.0	0.0	0.0	0.0
22.19	224.2	0.0	14871.0	0.0	0.0	0.0
22.20	224.2	0.0	14746.4	0.0	0.0	0.0
22.21	224.2	0.0	18691.8	0.0	0.0	0.0
22.22	224.2	0.0	18567.3	0.0	0.0	0.0
22.23	224.2	0.0	10827.6	0.0	0.0	0.0
22.24	224.2	0.0	4047.5	0.0	0.0	0.0
22.25	224.2	0.0	-1712.4	0.0	0.0	0.0

22.26	224.2	0.0	-8492.5	0.0	0.0	0.0
22.27	224.2	0.0	11696.6	0.0	0.0	0.0
22.28	224.2	0.0	3178.4	0.0	0.0	0.0
22.29	224.2	0.0	-843.3	0.0	0.0	0.0
22.30	224.2	0.0	-9361.6	0.0	0.0	0.0
22.31	224.2	0.0	14691.3	0.0	0.0	0.0
22.32	224.2	0.0	7911.2	0.0	0.0	0.0
22.33	224.2	0.0	-5576.1	0.0	0.0	0.0
22.34	224.2	0.0	-12356.3	0.0	0.0	0.0
22.35	224.2	0.0	15560.4	0.0	0.0	0.0
22.36	224.2	0.0	7042.2	0.0	0.0	0.0
22.37	224.2	0.0	-4707.1	0.0	0.0	0.0
22.38	224.2	0.0	-13225.3	0.0	0.0	0.0
22.39	224.2	0.0	14348.7	0.0	0.0	0.0
22.40	224.2	0.0	-8251.7	0.0	0.0	0.0
22.41	224.2	0.0	10586.7	0.0	0.0	0.0
22.42	224.2	0.0	-12013.6	0.0	0.0	0.0
22.43	224.2	0.0	15507.9	0.0	0.0	0.0
22.44	224.2	0.0	-7092.5	0.0	0.0	0.0
22.45	224.2	0.0	9427.6	0.0	0.0	0.0
22.46	224.2	0.0	-13172.8	0.0	0.0	0.0
22.47	224.2	0.0	17245.6	0.0	0.0	0.0
22.48	224.2	0.0	-11148.5	0.0	0.0	0.0
22.49	224.2	0.0	13483.6	0.0	0.0	0.0
22.50	224.2	0.0	-14910.5	0.0	0.0	0.0
22.51	224.2	0.0	18404.7	0.0	0.0	0.0
22.52	224.2	0.0	-9989.4	0.0	0.0	0.0
22.53	224.2	0.0	12324.4	0.0	0.0	0.0
22.54	224.2	0.0	-16069.6	0.0	0.0	0.0

Calcolo resistenze

Resistenza a taglio dei bulloni			$F_{vb,Rd} = 0.6 \cdot f_{tb} \cdot A_{res} / \gamma_{M2} =$			60222.1 N
Bull.	$F_{bp,x,Rd}$ [N]	$F_{ba,x,Rd}$ [N]	$F_{v,x,Rd}$ [N]	$F_{bp,y,Rd}$ [N]	$F_{ba,y,Rd}$ [N]	$F_{v,y,Rd}$ [N]
1	137600.0	60436.1	60222.1	137600.0	96320.0	60222.1
2	94547.1	96320.0	60222.1	137600.0	96320.0	60222.1

Legenda

$F_{bp,x,Rd} = k \cdot \alpha \cdot f_{tk} \cdot \emptyset \cdot t_c / \gamma_{M2}$ resistenza a rifollamento piastra in direzione x
 $F_{ba,x,Rd} = k \cdot \alpha \cdot f_{tk} \cdot \emptyset \cdot t_a / \gamma_{M2}$ resistenza a rifollamento asta elemento in direzione x
 $F_{v,x,Rd} = \min [F_{vb,Rd} , F_{bp,x,Rd} , F_{ba,x,Rd}]$ resistenza a taglio di progetto in direzione x
 $F_{bp,y,Rd} = k \cdot \alpha \cdot f_{tk} \cdot \emptyset \cdot t_c / \gamma_{M2}$ resistenza a rifollamento piastra in direzione y
 $F_{ba,y,Rd} = k \cdot \alpha \cdot f_{tk} \cdot \emptyset \cdot t_a / \gamma_{M2}$ resistenza a rifollamento asta elemento in direzione y
 $F_{v,y,Rd} = \min [F_{vb,Rd} , F_{bp,y,Rd} , F_{ba,y,Rd}]$ resistenza a taglio di progetto in direzione y

Verifiche a taglio sui bulloni (Nodo n. 22, CMB n. 21)

Bull.	X [mm]	Y [mm]	$F_{v,Ed}$ [N]	$F_{v,Rd}$ [N]	FV	VER
1	32.00	0.00	9346.6	60222.1	0.155202	Ok
2	80.00	0.00	9346.6	60222.1	0.155202	Ok

Legenda

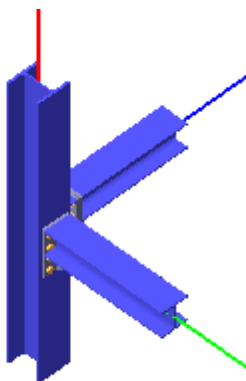
$F_{v,Ed}$ forza di taglio agente sul bullone
 $F_{v,Rd}$ resistenza a taglio di progetto del bullone
 $FV = F_{v,Ed} / F_{v,Rd}$
 $VER \rightarrow FV \leq 1$

Verifica di resistenza controvento (Nodo n. 22, CMB n. 21)

La verifica viene eseguita considerando il massimo valore assoluto dello sforzo normale applicato.

Resistenza plastica della sezione lorda	$N_{pl,Rd} = A \cdot f_{yk} / \gamma_{M0} =$	534285.8 N
Resistenza a rottura della sezione netta	$N_{u,Rd} = 0.9 \cdot A_{net} \cdot f_{tk} / \gamma_{M2} =$	594741.6 N
Resistenza assiale di calcolo	$N_{t,Rd} = \min [N_{u,Rd} , N_{pl,Rd}] =$	534285.8 N
Azione assiale di progetto (trazione)	$N_{Ed} =$	18691.8 N
$N_{Ed} / N_{t,Rd} = 0.034985$ Ok		

Verifica secondo il D.M. 17/01/2018 dei nodi: 18, 27



Colonna

Tipo di profilo: HEB 200

Materiale: Acciaio S275 $f_y = 275 \text{ N/mm}^2$ $f_t = 430 \text{ N/mm}^2$ $\gamma_{ov} = 1.25$

Classe sezione: 1

Coefficienti di sicurezza utilizzati

$\gamma_{M0} = 1.05$

$\gamma_{M1} = 1.10$

$\gamma_{M2} = 1.25$

Trave lato 2+

Tipo di profilo: HEA 160

Materiale: Acciaio S275 $f_y = 275 \text{ N/mm}^2$ $f_t = 430 \text{ N/mm}^2$ $\gamma_{ov} = 1.25$

Classe sezione: 1

Flangia:

Materiale: Acciaio S275 $f_y = 275 \text{ N/mm}^2$ $f_t = 430 \text{ N/mm}^2$ $\gamma_{ov} = 1.25$

Dimensioni (B x H x Sp): 160.0 x 282.0 x 15.0 mm

Spessore nervature verticali: 6.0 mm

Bullonature:

Viti cl. 8.8 Dadi 8 o 10 ($f_{yb} = 640 \text{ N/mm}^2$, $f_{tb} = 800 \text{ N/mm}^2$)

Diametro gambo $\varnothing = 20 \text{ mm}$ $A_{res} = 245.0 \text{ mm}^2$ (ridotta per filettatura)

Diametro dado/testa $d_m = 30 \text{ mm}$

Diametro foro $\varnothing_0 = 21 \text{ mm}$

Rigidezza giunto (calcolata secondo EN 1993-1-8 : 2005 par. 6.3):

$S_{j,ini} = 31463040000 \text{ N mm / rad}$

Saldature:

Materiale: Acciaio S275 $f_y = 275 \text{ N/mm}^2$ $f_t = 430 \text{ N/mm}^2$ $\beta_1 = 0.70$ $\beta_2 = 0.85$

Spessore cordoni d'angolo $s_c = 8 \text{ mm}$

Sollecitazioni nella sezione d'attacco dell'elemento:

Nodo.CMB	V2 [N]	V3 [N]	N [N]	M2 [N mm]	M3 [N mm]	T [N mm]
18.1	17726.4	-18.8	28.4	48878.0	-8507360.0	-470.0
18.2	17758.6	-18.4	84.8	48093.0	-8604140.0	-443.0
18.3	40084.1	-23.6	-103.8	62047.0	-19131590.0	-816.0
18.4	40116.4	-23.3	-47.4	61263.0	-19218360.0	-790.0
18.5	12574.8	-18.7	8.5	48342.0	-6029520.0	-286.0
18.6	12607.0	-18.4	64.8	47557.0	-6124300.0	-260.0
18.7	34932.5	-23.6	-123.7	61511.0	-16646750.0	-633.0
18.8	34964.8	-23.2	-67.3	60727.0	-16743520.0	-607.0
18.9	17790.9	-18.1	141.1	47308.0	-8700910.0	-417.0

18.10	33376.8	-22.2	-64.1	58096.0	-15942320.0	-712.0
18.11	33441.3	-21.5	48.6	56527.0	-16125870.0	-660.0
18.12	12639.3	-18.0	121.2	46773.0	-6218070.0	-234.0
18.13	28225.2	-22.1	-84.1	57561.0	-13457480.0	-529.0
18.14	28289.7	-21.4	28.7	55991.0	-13651030.0	-477.0
18.15	17709.6	-31.0	-2.6	80062.0	-8479040.0	-267.0
18.16	17741.8	-30.7	53.7	79277.0	-8575820.0	-241.0
18.17	33360.0	-34.4	-95.1	89281.0	-15904000.0	-509.0
18.18	33392.2	-34.1	-38.8	88496.0	-16000780.0	-483.0
18.19	12557.9	-31.0	-22.6	79526.0	-5997210.0	-84.0
18.20	12590.2	-30.6	33.8	78742.0	-6090980.0	-58.0
18.21	28208.4	-34.4	-115.1	88745.0	-13429160.0	-326.0
18.22	28240.6	-34.0	-58.7	87960.0	-13525940.0	-300.0
18.23	24360.9	-66.4	373.0	-53343.0	-21073910.0	259.0
18.24	22379.2	-30.8	212.0	-131806.0	-17342080.0	2244.0
18.25	12956.7	28.3	-151.9	140262.0	368782.1	-3568.0
18.26	10975.1	63.8	-312.9	61799.0	4100510.0	-1584.0
18.27	24324.0	-65.5	348.0	-53949.0	-21007600.0	507.0
18.28	22416.1	-31.7	237.0	-131200.0	-17418390.0	1996.0
18.29	12919.9	29.1	-176.9	139656.0	439599.0	-3321.0
18.30	11011.9	62.9	-287.9	62405.0	4030190.0	-1832.0
18.31	22827.9	-89.0	395.4	203522.0	-18207210.0	1252.0
18.32	20846.3	-53.5	234.4	125059.0	-14475370.0	3237.0
18.33	14489.7	50.9	-174.3	-116603.0	-2505030.0	-4562.0
18.34	12508.0	86.4	-335.3	-195066.0	1227599.0	-2577.0
18.35	22791.1	-88.1	370.4	202916.0	-18130890.0	1500.0
18.36	20883.1	-54.3	259.4	125665.0	-14541690.0	2989.0
18.37	14452.8	51.7	-199.3	-117209.0	-2433720.0	-4314.0
18.38	12544.9	85.5	-310.3	-194460.0	1156792.0	-2825.0
18.39	22681.4	-74.7	377.1	105959.0	-17921860.0	-3396.0
18.40	16075.8	43.7	-159.5	-155585.0	-5485420.0	3219.0
18.41	19260.1	-46.3	219.6	164041.0	-11493990.0	-4544.0
18.42	12654.6	72.1	-317.0	-97503.0	948914.9	2071.0
18.43	22221.5	-81.5	383.8	183019.0	-17067850.0	-3098.0
18.44	15615.9	36.9	-152.8	-78525.0	-4623410.0	3517.0
18.45	19720.0	-39.5	212.9	86981.0	-12358000.0	-4842.0
18.46	13114.4	78.9	-323.7	-174562.0	86439.9	1773.0
18.47	22558.6	-71.8	293.8	103939.0	-17694140.0	-2569.0
18.48	16198.6	40.8	-76.2	-153564.0	-5721140.0	2393.0
18.49	19137.3	-43.4	136.3	162021.0	-11256270.0	-3718.0
18.50	12777.4	69.2	-233.7	-95483.0	712872.0	1245.0
18.51	22098.7	-78.6	300.5	180998.0	-16830130.0	-2271.0
18.52	15738.7	34.0	-69.5	-76505.0	-4859130.0	2691.0
18.53	19597.2	-36.6	129.6	84961.0	-12120280.0	-4016.0
18.54	13237.3	76.0	-240.4	-172542.0	-149270.0	947.0
27.1	6971.2	2095.0	2313.3	-3602000.0	-6514880.0	75.0
27.2	6883.2	2089.8	2508.9	-3594000.0	-6407680.0	210.0
27.3	6699.8	2228.8	1042.8	-3787000.0	-6235020.0	-3471.0
27.4	6611.8	2223.7	1238.4	-3779000.0	-6127820.0	-3336.0
27.5	6446.8	2086.2	2466.2	-3590000.0	-6430320.0	164.0
27.6	6358.8	2081.0	2661.8	-3582000.0	-6323120.0	299.0
27.7	6175.5	2220.0	1195.7	-3775000.0	-6150450.0	-3383.0
27.8	6087.5	2214.9	1391.3	-3768000.0	-6043250.0	-3248.0
27.9	6795.2	2084.7	2704.5	-3586000.0	-6301480.0	346.0
27.10	6781.2	2188.7	1424.0	-3732000.0	-6318880.0	-2407.0
27.11	6605.3	2178.3	1815.2	-3716000.0	-6105470.0	-2137.0
27.12	6270.9	2075.9	2857.4	-3574000.0	-6215910.0	434.0
27.13	6256.9	2179.9	1576.9	-3720000.0	-6234310.0	-2319.0
27.14	6080.9	2169.5	1968.1	-3704000.0	-6020910.0	-2049.0
27.15	10045.3	3469.7	4327.3	-5973000.0	-10545470.0	315.0
27.16	9957.3	3464.5	4522.9	-5966000.0	-10434270.0	451.0

27.17	9855.4	3563.4	3437.9	-6103000.0	-10344460.0	-2167.0
27.18	9767.4	3558.2	3633.5	-6095000.0	-10243260.0	-2032.0
27.19	9521.0	3460.9	4480.1	-5961000.0	-10457900.0	404.0
27.20	9433.0	3455.7	4675.8	-5954000.0	-10346700.0	539.0
27.21	9331.0	3554.6	3590.8	-6091000.0	-10266900.0	-2079.0
27.22	9243.1	3549.4	3786.4	-6084000.0	-10155690.0	-1944.0
27.23	9619.0	-305.4	4850.0	450022.0	-10698100.0	-478.0
27.24	15744.8	-1000.2	2615.8	1464000.0	-18805520.0	886.0
27.25	-12205.1	1103.4	-4221.7	-1605000.0	18169490.0	-2723.0
27.26	-6079.3	408.6	-6455.9	-591037.0	10062070.0	-1359.0
27.27	10003.6	-321.9	4791.7	473812.0	-11209640.0	-358.0
27.28	15360.1	-983.8	2674.0	1440000.0	-18293990.0	766.0
27.29	-11820.5	1086.9	-4280.0	-1581000.0	17657950.0	-2603.0
27.30	-6463.9	425.0	-6397.7	-614826.0	10573610.0	-1479.0
27.31	10419.1	-919.5	5315.2	1347000.0	-11758090.0	403.0
27.32	16544.9	-1614.3	3081.0	2361000.0	-19855510.0	1767.0
27.33	-13005.2	1717.5	-4687.0	-2502000.0	19219480.0	-3604.0
27.34	-6879.4	1022.7	-6921.1	-1488000.0	11122060.0	-2240.0
27.35	10803.7	-935.9	5257.0	1371000.0	-12259630.0	523.0
27.36	16160.3	-1597.8	3139.3	2337000.0	-19343970.0	1648.0
27.37	-12620.6	1701.0	-4745.2	-2478000.0	18707940.0	-3484.0
27.38	-7264.1	1039.1	-6862.9	-1512000.0	11623590.0	-2360.0
27.39	-5166.2	998.3	4281.4	-1452000.0	8858380.0	-2854.0
27.40	15253.1	-1317.8	-3165.8	1928000.0	-18154690.0	1691.0
27.41	-11713.4	1421.0	1559.9	-2069000.0	17518660.0	-3528.0
27.42	8705.9	-895.1	-5887.4	1311000.0	-9489410.0	1017.0
27.43	-4926.1	814.1	4421.0	-1183000.0	8541390.0	-2590.0
27.44	15493.1	-1502.0	-3026.3	2197000.0	-18470690.0	1955.0
27.45	-11953.4	1605.2	1420.3	-2338000.0	17834660.0	-3792.0
27.46	8465.8	-710.9	-6026.9	1042000.0	-9173420.0	753.0
27.47	-3884.1	943.4	4087.3	-1373000.0	7160590.0	-2456.0
27.48	13971.0	-1262.9	-2971.7	1849000.0	-16452900.0	1293.0
27.49	-10431.3	1366.1	1365.8	-1990000.0	15816870.0	-3130.0
27.50	7423.8	-840.2	-5693.3	1232000.0	-7797621.0	619.0
27.51	-3644.1	759.2	4226.9	-1104000.0	6844590.0	-2192.0
27.52	14211.0	-1447.1	-2832.2	2118000.0	-16768900.0	1557.0
27.53	-10671.4	1550.3	1226.2	-2259000.0	16132860.0	-3394.0
27.54	7183.7	-656.0	-5832.8	962959.9	-7480630.0	355.0

Calcolo resistenze

Resistenza a trazione dei bulloni

$$F_{tb,Rd} = 0.9 \cdot f_{tb} \cdot A_{res} / \gamma_{M2} = 141145.5 \text{ N}$$

Resistenza a punzonamento flangia

$$B_{pf,Rd} = 0.6 \cdot \pi \cdot d_m \cdot t_f \cdot f_{tk} / \gamma_{M2} = 291791.1 \text{ N}$$

Resistenza a punzonamento ala passante

$$B_{pa,Rd} = 0.6 \cdot \pi \cdot d_m \cdot t_a \cdot f_{tk} / \gamma_{M2} = 291791.1 \text{ N}$$

Bull.	$F_{f,Rd} \text{ [N]}$	$F_{t,Rd} \text{ [N]}$
1	21157.9	21157.9
2	43197.3	43197.3
3	42877.7	42877.7
4	42877.7	42877.7
5	21157.9	21157.9
6	43197.3	43197.3
7	42877.7	42877.7
8	42877.7	42877.7

Legenda

$F_{f,Rd} = M_{res,m} / (B_m \cdot R_m)$ resistenza a flessione flangia

$F_{t,Rd} = \min [F_{tb,Rd} , B_{pf,Rd} , B_{pa,Rd} , F_{f,Rd}]$ resistenza a trazione di progetto

Resistenza a taglio dei bulloni

$$F_{vb,Rd} = 0.6 \cdot f_{tb} \cdot A_{res} / \gamma_{M2} = 94097.0 \text{ N}$$

Bull.	$F_{bf,x,Rd} \text{ [N]}$	$F_{ba,x,Rd} \text{ [N]}$	$F_{v,x,Rd} \text{ [N]}$	$F_{bf,y,Rd} \text{ [N]}$	$F_{ba,y,Rd} \text{ [N]}$	$F_{v,y,Rd} \text{ [N]}$
1	122857.1	204761.9	94097.0	118680.0	258000.0	94097.0
2	122857.1	204761.9	94097.0	191206.7	207833.3	94097.0
3	122857.1	204761.9	94097.0	191206.7	207833.3	94097.0

4	122857.1	204761.9	94097.0	150704.8	258000.0	94097.0
5	122857.1	204761.9	94097.0	118680.0	258000.0	94097.0
6	122857.1	204761.9	94097.0	191206.7	207833.3	94097.0
7	122857.1	204761.9	94097.0	191206.7	207833.3	94097.0
8	122857.1	204761.9	94097.0	150704.8	258000.0	94097.0

Legenda

$F_{bf,x,Rd} = k \cdot \alpha \cdot f_{tk} \cdot \emptyset \cdot t_f / \gamma_{M2}$ resistenza a rifollamento flangia in direzione x

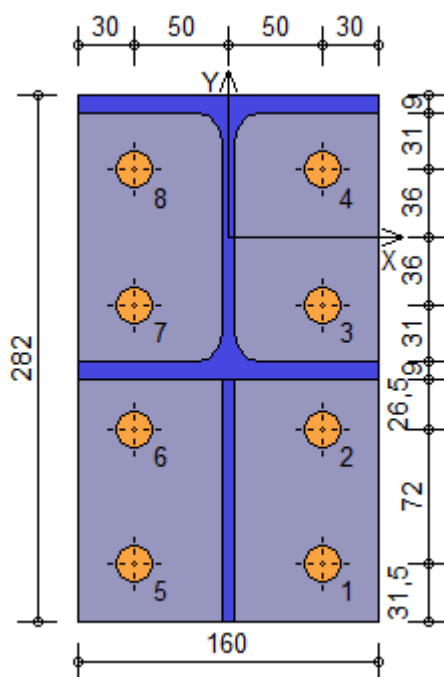
$F_{ba,x,Rd} = k \cdot \alpha \cdot f_{tk} \cdot \emptyset \cdot t_a / \gamma_{M2}$ resistenza a rifollamento ala passante in direzione x

$F_{v,x,Rd} = \min [F_{vb,Rd} , F_{bf,x,Rd} , F_{ba,x,Rd}]$ resistenza a taglio di progetto in direzione x

$F_{bf,y,Rd} = k \cdot \alpha \cdot f_{tk} \cdot \emptyset \cdot t_f / \gamma_{M2}$ resistenza a rifollamento flangia in direzione y

$F_{ba,y,Rd} = k \cdot \alpha \cdot f_{tk} \cdot \emptyset \cdot t_a / \gamma_{M2}$ resistenza a rifollamento ala passante in direzione y

$F_{v,y,Rd} = \min [F_{vb,Rd} , F_{bf,y,Rd} , F_{ba,y,Rd}]$ resistenza a taglio di progetto in direzione y



Verifiche sui bulloni

1-Taglio e trazione (Nodo n. 27, CMB n. 33)

Bull.	X [mm]	Y [mm]	$F_{v,Ed}$ [N]	$F_{v,Rd}$ [N]	$F_{t,Ed}$ [N]	$F_{t,Rd}$ [N]	FV_1	VER
1	50.00	-174.50	1636.5	94097.0	24345.7	21157.9	0.839298	Ok
2	50.00	-102.50	1636.9	94097.0	15060.0	43197.3	0.266419	Ok
3	50.00	-36.00	1637.4	94097.0	6483.5	42877.7	0.125409	Ok
4	50.00	36.00	1637.9	94097.0	0.0	42877.7	0.017406	Ok
5	-50.00	-174.50	1641.7	94097.0	27467.4	21157.9	0.944741	Ok
6	-50.00	-102.50	1642.1	94097.0	18181.7	43197.3	0.318093	Ok
7	-50.00	-36.00	1642.6	94097.0	9605.2	42877.7	0.177467	Ok
8	-50.00	36.00	1643.1	94097.0	319.5	42877.7	0.022784	Ok

2-Trazione (Nodo n. 27, CMB n. 33)

Bull.	X [mm]	Y [mm]	$F_{t,Ed}$ [N]	$F_{t,Rd}$ [N]	FV_2	VER
1	50.00	-174.50	24345.7	21157.9	1.150670	N.V.
2	50.00	-102.50	15060.0	43197.3	0.348632	Ok
3	50.00	-36.00	6483.5	42877.7	0.151210	Ok
4	50.00	36.00	0.0	42877.7	0.000000	Ok
5	-50.00	-174.50	27467.4	21157.9	1.298213	N.V.
6	-50.00	-102.50	18181.7	43197.3	0.420898	Ok
7	-50.00	-36.00	9605.2	42877.7	0.224015	Ok
8	-50.00	36.00	319.5	42877.7	0.007451	Ok

Legenda

$F_{v,Ed}$ forza di taglio agente sul bullone

$F_{v,Rd}$ resistenza a taglio di progetto del bullone

$F_{t,Ed}$ forza di trazione agente sul bullone

$F_{t,Rd}$ resistenza a trazione di progetto del bullone

$$FV_1 = F_{v,Ed} / F_{v,Rd} + F_{t,Ed} / (1.4 \cdot F_{t,Rd})$$

$$FV_2 = F_{t,Ed} / F_{t,Rd}$$

$$VER \rightarrow FV_i \leq 1$$

Verifiche sulle saldature profilo-flangia (versione beta)

Si considera la sezione di gola (avente altezza $a = s_c / 2^{0.5} = 5.657$) in posizione ribaltata: vengono considerate positive le tensioni normali di trazione e le tensioni tangenziali agenti verso destra e verso il basso. Tutte le tensioni sono espresse in N/mm².

Verifica formula (4.2.84) (Nodo n. 27, CMB n. 17)

Cordoni	Lung.[mm]	$n_{\perp}$	$t_{\perp}$	$\tau_{\parallel}$	FV ₁	VER ₁
Nervatura inferiore lato destro	122.0	-48.62	0.00	3.85	48.77	Ok
Nervatura inferiore lato sinistro	122.0	-48.62	0.00	3.85	48.77	Ok
Ala inferiore esterno	160.0	66.76	0.00	1.54	66.78	Ok
Ala inferiore interno lato destro	62.0	-99.59	0.00	1.54	99.60	Ok
Ala inferiore interno lato sinistro	62.0	70.27	0.00	1.54	70.29	Ok
Anima lato destro	104.0	13.16	0.00	3.85	13.71	Ok
Anima lato sinistro	104.0	13.16	0.00	3.85	13.71	Ok
Ala superiore interno lato destro	62.0	-68.86	0.00	1.54	68.88	Ok
Ala superiore interno lato sinistro	62.0	101.00	0.00	1.54	101.02	Ok

Verifica formula (4.2.85) (Nodo n. 27, CMB n. 17)

Cordoni	Lung.[mm]	$n_{\perp}$	$t_{\perp}$	$\tau_{\parallel}$	FV ₂	VER ₂
Nervatura inferiore lato destro	122.0	-48.62	0.00	3.85	48.62	Ok
Nervatura inferiore lato sinistro	122.0	-48.62	0.00	3.85	48.62	Ok
Ala inferiore esterno	160.0	66.76	0.00	1.54	66.76	Ok
Ala inferiore interno lato destro	62.0	-99.59	0.00	1.54	99.59	Ok
Ala inferiore interno lato sinistro	62.0	70.27	0.00	1.54	70.27	Ok
Anima lato destro	104.0	13.16	0.00	3.85	13.16	Ok
Anima lato sinistro	104.0	13.16	0.00	3.85	13.16	Ok
Ala superiore interno lato destro	62.0	-68.86	0.00	1.54	68.86	Ok
Ala superiore interno lato sinistro	62.0	101.00	0.00	1.54	101.00	Ok

Legenda

$n_{\perp}$ tensione normale perpendicolare all'asse del cordone

$t_{\perp}$ tensione tangenziale perpendicolare all'asse del cordone

$\tau_{\parallel}$ tensione tangenziale parallela all'asse del cordone

$$FV_1 = (n_{\perp}^2 + t_{\perp}^2 + \tau_{\parallel}^2)^{0.5}$$

$$FV_2 = |n_{\perp}| + |t_{\perp}|$$

$$VER_i \rightarrow FV_i \leq \beta_i \cdot f_{yk} \quad (\beta_1 \cdot f_{yk} = 192.50 \text{ N/mm}^2 \quad \beta_2 \cdot f_{yk} = 233.75 \text{ N/mm}^2)$$

Verifica del momento di progetto del giunto (Nodo n. 27, CMB n. 33)

Momento resistente del giunto $M_{j,Rd} = 31735760.0 \text{ N mm}$

Momento di progetto $M_{j,Ed} = 18948290.0 \text{ N mm}$

$$M_{j,Ed} / M_{j,Rd} = 0.597064 \quad \text{Ok}$$

Trave lato 3+

Tipo di profilo: HEA 160

Materiale: Acciaio S275 $f_y = 275 \text{ N/mm}^2$ $f_t = 430 \text{ N/mm}^2$ $\gamma_{ov} = 1.25$

Classe sezione: 1

Flangia:

Materiale: Acciaio S275 $f_y = 275 \text{ N/mm}^2$ $f_t = 430 \text{ N/mm}^2$ $\gamma_{ov} = 1.25$

Dimensioni (B x H x Sp): 160.0 x 282.0 x 15.0 mm

Spessore nervature verticali: 6.0 mm

Bullonature:

Viti cl. 8.8 Dadi 8 o 10 ($f_{yb} = 640 \text{ N/mm}^2$, $f_{tb} = 800 \text{ N/mm}^2$)

Diametro gambo $\varnothing = 20 \text{ mm}$ $A_{res} = 245.0 \text{ mm}^2$ (ridotta per filettatura)

Diametro dado/testa $d_m = 30 \text{ mm}$

Diametro foro $\varnothing_0 = 21 \text{ mm}$

Rigidezza giunto (calcolata secondo EN 1993-1-8 : 2005 par. 6.3):

$S_{j,ini}$ non calcolabile

Saldature:

Materiale: Acciaio S275 $f_y = 275 \text{ N/mm}^2$ $f_t = 430 \text{ N/mm}^2$ $\beta_1 = 0.70$ $\beta_2 = 0.85$

Spessore cordoni d'angolo $s_c = 8 \text{ mm}$

Sollecitazioni nella sezione d'attacco dell'elemento:

Nodo.CMB	V2 [N]	V3 [N]	N [N]	M2 [N mm]	M3 [N mm]	T [N mm]
18.1	3885.9	56.6	-33.5	-50391.0	-1539253.0	686.0
18.2	3854.5	55.8	-20.2	-49620.0	-1490826.0	618.0
18.3	3612.8	73.0	-36.6	-65024.0	-1003728.0	770.0
18.4	3581.4	72.1	-23.3	-64253.0	-955301.4	702.0
18.5	3072.1	55.8	-38.9	-49708.0	-1335702.0	647.0
18.6	3040.7	54.9	-25.6	-48937.0	-1287276.0	579.0
18.7	2799.0	72.2	-42.0	-64342.0	-800177.5	730.0
18.8	2767.6	71.3	-28.7	-63570.0	-751751.0	662.0
18.9	3823.1	54.9	-6.9	-48848.0	-1442400.0	550.0
18.10	3694.7	68.1	-35.6	-60634.0	-1164191.0	745.0
18.11	3631.9	66.3	-9.1	-59092.0	-1067338.0	608.0
18.12	3009.3	54.1	-12.3	-48166.0	-1238849.0	510.0
18.13	2880.9	67.3	-41.1	-59952.0	-960640.3	705.0
18.14	2818.1	65.5	-14.5	-58409.0	-863787.2	569.0
18.15	4108.9	92.3	-70.1	-82219.0	-1948670.0	1042.0
18.16	4077.5	91.4	-56.8	-81448.0	-1900244.0	973.0
18.17	3917.7	103.7	-72.2	-92462.0	-1573608.0	1100.0
18.18	3886.3	102.9	-59.0	-91691.0	-1525182.0	1032.0
18.19	3295.1	91.5	-75.5	-81537.0	-1745120.0	1002.0
18.20	3263.7	90.6	-62.2	-80765.0	-1696693.0	934.0
18.21	3103.9	102.9	-77.7	-91780.0	-1370058.0	1061.0
18.22	3072.6	102.0	-64.4	-91009.0	-1321614.0	993.0
18.23	3866.7	-56.3	-22.3	57059.0	-2843661.0	842.0
18.24	6524.3	-147.3	-260.0	143715.0	-7831937.0	3004.0
18.25	-1165.0	158.6	291.3	-153581.0	6614213.0	-2739.0
18.26	1492.6	67.6	53.6	-66925.0	1626937.0	-577.0
18.27	4172.2	-56.7	-53.6	58249.0	-3415435.0	1068.0
18.28	6218.8	-146.9	-228.6	142525.0	-7260164.0	2778.0
18.29	-859.5	158.2	259.9	-152391.0	6043439.0	-2513.0
18.30	1187.2	68.0	85.0	-68115.0	2197728.0	-803.0
18.31	5296.2	235.8	-211.4	-221839.0	-5524925.0	2054.0
18.32	7953.8	144.9	-449.1	-135183.0	-10508200.0	4216.0
18.33	-2594.5	-133.6	480.4	125317.0	9295477.0	-3951.0
18.34	63.1	-224.6	242.7	211973.0	4308201.0	-1789.0
18.35	5601.7	235.4	-242.8	-220649.0	-6096699.0	2280.0
18.36	7648.3	145.3	-417.7	-136373.0	-9942427.0	3990.0
18.37	-2289.0	-134.0	449.0	126507.0	8724702.0	-3725.0
18.38	-242.3	-224.2	274.1	210783.0	4878992.0	-2015.0
18.39	-994.9	125.0	364.8	-117764.0	6285405.0	-2934.0
18.40	7863.7	-178.2	-427.5	171090.0	-10344190.0	4273.0
18.41	-2504.4	189.5	458.8	-180956.0	9123469.0	-4008.0
18.42	6354.2	-113.8	-333.4	107898.0	-7503130.0	3199.0
18.43	-566.0	212.7	308.0	-201434.0	5481535.0	-2570.0
18.44	8292.6	-90.6	-484.2	87421.0	-11148060.0	4637.0
18.45	-2933.2	101.9	515.6	-97287.0	9929357.0	-4372.0
18.46	5925.4	-201.4	-276.7	191568.0	-6698242.0	2835.0
18.47	23.3	123.7	260.2	-113798.0	4381136.0	-2180.0
18.48	6845.5	-176.9	-322.9	167124.0	-8435923.0	3519.0
18.49	-1486.2	188.2	354.3	-176990.0	7219199.0	-3255.0
18.50	5336.0	-112.4	-228.9	103932.0	-5598860.0	2445.0
18.51	452.2	211.4	203.5	-197467.0	3577266.0	-1817.0

18.52	7274.4	-89.2	-379.7	83454.0	-9238794.0	3883.0
18.53	-1915.0	100.5	411.0	-93320.0	8023088.0	-3618.0
18.54	4907.2	-200.1	-172.1	187601.0	-4793972.0	2081.0
27.1	3021.4	226.0	-1359.9	-1022000.0	-1435702.0	1287.0
27.2	2970.8	230.7	-1938.2	-1031000.0	-1323683.0	1255.0
27.3	3974.8	102.3	-8973.8	-777785.0	-3766473.0	978.0
27.4	3924.3	107.0	-9552.1	-787235.0	-3655437.0	946.0
27.5	2306.5	234.0	-236.6	-1038000.0	-1066596.0	1437.0
27.6	2256.0	238.7	-814.9	-1047000.0	-954559.9	1405.0
27.7	3260.0	110.3	-7850.5	-793536.0	-3397350.0	1128.0
27.8	3209.5	115.0	-8428.8	-802987.0	-3286314.0	1096.0
27.9	2920.3	235.4	-2516.5	-1041000.0	-1212647.0	1223.0
27.10	3688.8	139.4	-6689.6	-850983.0	-3067238.0	1071.0
27.11	3587.7	148.8	-7846.2	-869883.0	-2844183.0	1007.0
27.12	2205.5	243.4	-1393.2	-1056000.0	-843523.8	1373.0
27.13	2973.9	147.4	-5566.3	-866734.0	-2698133.0	1221.0
27.14	2872.9	156.8	-6722.9	-885634.0	-2475060.0	1157.0
27.15	2984.8	396.8	526.7	-1742000.0	-1363198.0	2483.0
27.16	2934.3	401.5	-51.5	-1752000.0	-1252162.0	2451.0
27.17	3652.3	310.2	-4803.0	-1572000.0	-2995717.0	2267.0
27.18	3601.7	314.9	-5381.3	-1581000.0	-2883698.0	2235.0
27.19	2270.0	404.8	1650.1	-1758000.0	-994075.0	2633.0
27.20	2219.5	409.5	1071.8	-1768000.0	-883038.8	2601.0
27.21	2937.4	318.2	-3679.6	-1587000.0	-2626612.0	2417.0
27.22	2886.9	322.9	-4257.9	-1597000.0	-2514575.0	2385.0
27.23	2223.5	289.1	-2256.5	-563674.0	-1007329.0	695.0
27.24	1365.5	944.1	-4160.3	-1840000.0	654717.3	2967.0
27.25	3744.0	-1039.0	-5195.2	2027000.0	-3949440.0	-3843.0
27.26	2886.1	-384.1	-7099.0	750429.0	-2287717.0	-1571.0
27.27	2152.4	304.2	-2199.8	-593348.0	-872949.0	772.0
27.28	1436.7	929.0	-4217.0	-1811000.0	519974.3	2891.0
27.29	3672.9	-1023.9	-5138.6	1997000.0	-3815060.0	-3767.0
27.30	2957.2	-399.2	-7155.7	780102.0	-2422097.0	-1647.0
27.31	1686.8	869.5	-7112.3	-1693000.0	35695.0	2612.0
27.32	828.8	1524.4	-9016.1	-2970000.0	1698112.0	4884.0
27.33	4280.8	-1619.4	-339.5	3156000.0	-4993158.0	-5760.0
27.34	3422.8	-964.5	-2243.2	1880000.0	-3330453.0	-3488.0
27.35	1615.6	884.6	-7055.6	-1723000.0	170438.0	2688.0
27.36	900.0	1509.3	-9072.8	-2940000.0	1562750.0	4807.0
27.37	4209.6	-1604.3	-282.8	3127000.0	-4857796.0	-5683.0
27.38	3493.9	-979.6	-2299.9	1909000.0	-3465833.0	-3564.0
27.39	3756.7	-939.8	-1064.0	1832000.0	-3976186.0	-3544.0
27.40	896.7	1243.3	-7409.9	-2423000.0	1564164.0	4029.0
27.41	4212.9	-1338.2	-1945.6	2610000.0	-4859210.0	-4905.0
27.42	1352.9	844.8	-8291.6	-1646000.0	681481.8	2668.0
27.43	3595.7	-765.7	-2520.7	1494000.0	-3663763.0	-2969.0
27.44	735.7	1417.4	-8866.7	-2762000.0	1877587.0	4605.0
27.45	4373.9	-1512.4	-488.9	2948000.0	-5172633.0	-5481.0
27.46	1513.9	670.7	-6834.8	-1307000.0	368522.3	2093.0
27.47	3519.5	-889.5	-875.0	1734000.0	-3527289.0	-3289.0
27.48	1133.9	1192.9	-7598.9	-2324000.0	1114999.0	3774.0
27.49	3975.7	-1287.9	-1756.6	2511000.0	-4410314.0	-4650.0
27.50	1590.1	794.5	-8480.5	-1547000.0	232315.8	2413.0
27.51	3358.5	-715.3	-2331.8	1395000.0	-3214866.0	-2714.0
27.52	972.9	1367.0	-9055.6	-2663000.0	1427690.0	4349.0
27.53	4136.7	-1462.0	-299.9	2849000.0	-4722736.0	-5225.0
27.54	1751.1	620.4	-7023.8	-1208000.0	-80644.7	1838.0

Calcolo resistenze

Resistenza a trazione dei bulloni

$$F_{tb,Rd} = 0.9 \cdot f_{tb} \cdot A_{res} / \gamma_{M2} =$$

141145.5 N

Resistenza a punzonamento flangia

$$B_{pf,Rd} = 0.6 \cdot \pi \cdot d_m \cdot t_f \cdot f_{tk} / \gamma_{M2} =$$

291791.1 N

Bull.	$F_{f,Rd}$ [N]	$F_{t,Rd}$ [N]
1	23676.7	23676.7
2	48476.5	48476.5
3	48920.6	48920.6
4	48920.6	48920.6
5	23676.7	23676.7
6	48476.5	48476.5
7	48920.6	48920.6
8	48920.6	48920.6

Legenda

$F_{f,Rd} = M_{res,m} / (B_m \cdot R_m)$ resistenza a flessione flangia

$F_{t,Rd} = \min [F_{tb,Rd}, B_{pf,Rd}, F_{f,Rd}]$ resistenza a trazione di progetto

Resistenza a taglio dei bulloni

$$F_{vb,Rd} = 0.6 \cdot f_{tb} \cdot A_{res} / \gamma_{M2} =$$

94097.0 N

Bull.	$F_{bf,x,Rd}$ [N]	$F_{v,x,Rd}$ [N]	$F_{bf,y,Rd}$ [N]	$F_{v,y,Rd}$ [N]
1	143333.3	94097.0	129000.0	94097.0
2	143333.3	94097.0	207833.3	94097.0
3	143333.3	94097.0	207833.3	94097.0
4	143333.3	94097.0	163809.5	94097.0
5	143333.3	94097.0	129000.0	94097.0
6	143333.3	94097.0	207833.3	94097.0
7	143333.3	94097.0	207833.3	94097.0
8	143333.3	94097.0	163809.5	94097.0

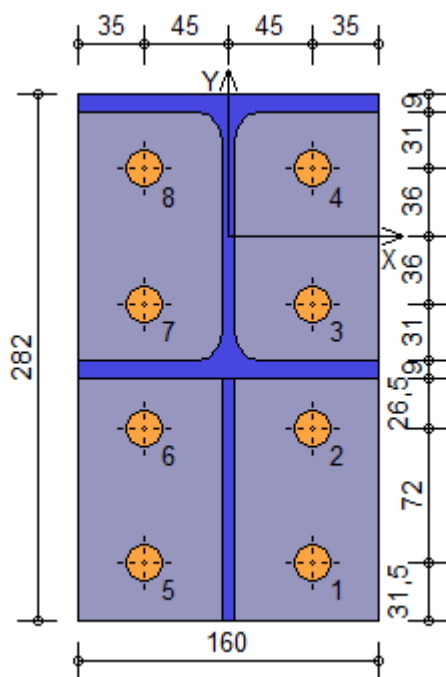
Legenda

$F_{bf,x,Rd} = k \cdot \alpha \cdot f_{tk} \cdot \varnothing \cdot t_f / \gamma_{M2}$ resistenza a rifollamento flangia in direzione x

$F_{v,x,Rd} = \min [F_{vb,Rd}, F_{bf,x,Rd}]$ resistenza a taglio di progetto in direzione x

$F_{bf,y,Rd} = k \cdot \alpha \cdot f_{tk} \cdot \varnothing \cdot t_f / \gamma_{M2}$ resistenza a rifollamento flangia in direzione y

$F_{v,y,Rd} = \min [F_{vb,Rd}, F_{bf,y,Rd}]$ resistenza a taglio di progetto in direzione y



Verifiche sui bulloni

1-Taglio e trazione (Nodo n. 18, CMB n. 45)

Bull.	X [mm]	Y [mm]	$F_{v,Ed}$ [N]	$F_{t,Rd}$ [N]	$F_{t,Ed}$ [N]	$F_{t,Rd}$ [N]	FV_1	VER
1	45.00	-174.50	363.7	94097.0	13443.5	23676.7	0.409432	Ok
2	45.00	-102.50	363.8	94097.0	8610.1	48476.5	0.130733	Ok
3	45.00	-36.00	363.9	94097.0	4145.9	48920.6	0.064401	Ok
4	45.00	36.00	364.2	94097.0	0.0	48920.6	0.003870	Ok
5	-45.00	-174.50	369.7	94097.0	13557.3	23676.7	0.412932	Ok
6	-45.00	-102.50	369.8	94097.0	8723.9	48476.5	0.132475	Ok

7	-45.00	-36.00	370.0	94097.0	4259.7	48920.6	0.066128	Ok
8	-45.00	36.00	370.2	94097.0	0.0	48920.6	0.003934	Ok

2-Trazione (Nodo n. 18, CMB n. 45)

Bull.	X [mm]	Y [mm]	F _{t,Ed} [N]	F _{t,Rd} [N]	FV ₂	VER
1	45.00	-174.50	13443.5	23676.7	0.567794	Ok
2	45.00	-102.50	8610.1	48476.5	0.177613	Ok
3	45.00	-36.00	4145.9	48920.6	0.084747	Ok
4	45.00	36.00	0.0	48920.6	0.000000	Ok
5	-45.00	-174.50	13557.3	23676.7	0.572603	Ok
6	-45.00	-102.50	8723.9	48476.5	0.179962	Ok
7	-45.00	-36.00	4259.7	48920.6	0.087074	Ok
8	-45.00	36.00	0.0	48920.6	0.000000	Ok

Legenda

$F_{v,Ed}$ forza di taglio agente sul bullone
 $F_{v,Rd}$ resistenza a taglio di progetto del bullone
 $F_{t,Ed}$ forza di trazione agente sul bullone
 $F_{t,Rd}$ resistenza a trazione di progetto del bullone
 $FV_1 = F_{v,Ed} / F_{v,Rd} + F_{t,Ed} / (1.4 \cdot F_{t,Rd})$
 $FV_2 = F_{t,Ed} / F_{t,Rd}$
 $VER \rightarrow FV_i \leq 1$

Verifiche sulle saldature profilo-flangia (versione beta)

Si considera la sezione di gola (avente altezza $a = s_c / 2^{0.5} = 5.657$) in posizione ribaltata: vengono considerate positive le tensioni normali di trazione e le tensioni tangenziali agenti verso destra e verso il basso. Tutte le tensioni sono espresse in N/mm².

Verifica formula (4.2.84) (Nodo n. 18, CMB n. 44)

Cordoni	Lung.[mm]	n _⊥	t _⊥	τ	FV ₁	VER ₁
Nervatura inferiore lato destro	122.0	-53.26	0.00	3.24	53.36	Ok
Nervatura inferiore lato sinistro	122.0	-53.26	0.00	3.24	53.36	Ok
Ala inferiore esterno	160.0	-21.66	0.00	-0.04	21.66	Ok
Ala inferiore interno lato destro	62.0	-16.39	0.00	-0.04	16.39	Ok
Ala inferiore interno lato sinistro	62.0	-17.88	0.00	-0.04	17.88	Ok
Anima lato destro	104.0	-13.52	0.00	3.24	13.90	Ok
Anima lato sinistro	104.0	-13.52	0.00	3.24	13.90	Ok
Ala superiore interno lato destro	62.0	17.68	0.00	-0.04	17.68	Ok
Ala superiore interno lato sinistro	62.0	16.19	0.00	-0.04	16.19	Ok

Verifica formula (4.2.85) (Nodo n. 18, CMB n. 44)

Cordoni	Lung.[mm]	n _⊥	t _⊥	τ	FV ₂	VER ₂
Nervatura inferiore lato destro	122.0	-53.26	0.00	3.24	53.26	Ok
Nervatura inferiore lato sinistro	122.0	-53.26	0.00	3.24	53.26	Ok
Ala inferiore esterno	160.0	-21.66	0.00	-0.04	21.66	Ok
Ala inferiore interno lato destro	62.0	-16.39	0.00	-0.04	16.39	Ok
Ala inferiore interno lato sinistro	62.0	-17.88	0.00	-0.04	17.88	Ok
Anima lato destro	104.0	-13.52	0.00	3.24	13.52	Ok
Anima lato sinistro	104.0	-13.52	0.00	3.24	13.52	Ok
Ala superiore interno lato destro	62.0	17.68	0.00	-0.04	17.68	Ok
Ala superiore interno lato sinistro	62.0	16.19	0.00	-0.04	16.19	Ok

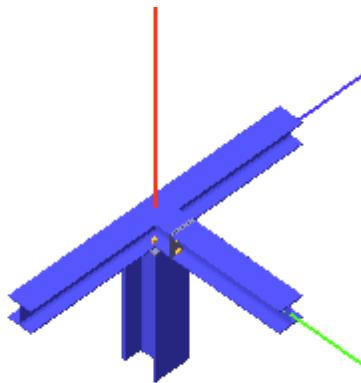
Legenda

$n_{\perp}$ tensione normale perpendicolare all'asse del cordone
 $t_{\perp}$ tensione tangenziale perpendicolare all'asse del cordone
 $\tau_{||}$ tensione tangenziale parallela all'asse del cordone
 $FV_1 = (n_{\perp}^2 + t_{\perp}^2 + \tau_{||}^2)^{0.5}$
 $FV_2 = |n_{\perp}| + |t_{\perp}|$
 $VER_i \rightarrow FV_i \leq \beta_i \cdot f_{yk} \quad (\beta_1 \cdot f_{yk} = 192.50 \text{ N/mm}^2 \quad \beta_2 \cdot f_{yk} = 233.75 \text{ N/mm}^2)$

Verifica del momento di progetto del giunto (Nodo n. 18, CMB n. 45)

Momento resistente del giunto	$M_{j,Rd} =$	36137020.0 N mm
Momento di progetto	$M_{j,Ed} =$	9960048.0 N mm
$M_{j,Ed} / M_{j,Rd} = 0.275619 \quad \text{Ok}$		

Verifica secondo il D.M. 17/01/2018 del nodo 3



Trave 3

Tipo di profilo: HEA 140

Materiale: Acciaio S275 $f_y = 275 \text{ N/mm}^2$ $f_t = 430 \text{ N/mm}^2$ $\gamma_{ov} = 1.25$

Classe sezione: 1

Coefficienti di sicurezza utilizzati

$\gamma_{M0} = 1.05$

$\gamma_{M1} = 1.10$

$\gamma_{M2} = 1.25$

Trave lato 2+

Tipo di profilo: HEA 140

Materiale: Acciaio S275 $f_y = 275 \text{ N/mm}^2$ $f_t = 430 \text{ N/mm}^2$ $\gamma_{ov} = 1.25$

Classe sezione: 1

Flangia:

Materiale: Acciaio S275 $f_y = 275 \text{ N/mm}^2$ $f_t = 430 \text{ N/mm}^2$ $\gamma_{ov} = 1.25$

Dimensioni (B x H x Sp): 140.0 x 133.0 x 8.0 mm

Bullonature:

Viti cl. 8.8 Dadi 8 o 10 ($f_{yb} = 640 \text{ N/mm}^2$, $f_{tb} = 800 \text{ N/mm}^2$)

Diametro gambo $\varnothing = 16 \text{ mm}$ $A_{res} = 156.8 \text{ mm}^2$ (ridotta per filettatura)

Diametro dado/testa $d_m = 24 \text{ mm}$

Diametro foro $\varnothing_0 = 17 \text{ mm}$

Rigidezza giunto (calcolata secondo EN 1993-1-8 : 2005 par. 6.3):

$S_{j,ini}$ non calcolabile

Saldature:

Materiale: Acciaio S275 $f_y = 275 \text{ N/mm}^2$ $f_t = 430 \text{ N/mm}^2$ $\beta_1 = 0.70$ $\beta_2 = 0.85$

Spessore cordoni d'angolo $s_c = 4 \text{ mm}$

Sollecitazioni nella sezione d'attacco dell'elemento:

Nodo.CMB	V2 [N]	V3 [N]	N [N]	M2 [N mm]	M3 [N mm]	T [N mm]
3.1	7357.4	422.1	-6860.7	-453437.0	-5736013.0	766.0
3.2	9970.9	391.2	-9240.0	-408062.0	-7455120.0	996.0
3.3	7286.7	451.9	-6771.0	-480509.0	-5609237.0	728.0
3.4	9900.2	421.1	-9150.4	-435135.0	-7328343.0	958.0
3.5	5550.7	442.4	-5110.5	-485352.0	-4566826.0	581.0
3.6	8164.1	411.5	-7489.8	-439978.0	-6285949.0	811.0
3.7	5479.9	472.2	-5020.8	-512424.0	-4440066.0	542.0
3.8	8093.4	441.4	-7400.2	-467050.0	-6159173.0	772.0
3.9	12584.3	360.4	-11619.4	-362688.0	-9172242.0	1226.0
3.10	7307.9	443.0	-6797.9	-472387.0	-5646871.0	739.0

3.11	12534.8	381.3	-11556.6	-381639.0	-9090101.0	1199.0
3.12	10777.6	380.7	-9869.2	-394603.0	-8005056.0	1041.0
3.13	5501.2	463.3	-5047.7	-504303.0	-4477685.0	554.0
3.14	10728.1	401.6	-9806.4	-413554.0	-7915914.0	1014.0
3.15	7939.3	754.1	-7205.7	-834957.0	-6777636.0	823.0
3.16	10552.7	723.3	-9585.0	-789582.0	-8494759.0	1053.0
3.17	7889.8	775.0	-7142.9	-853907.0	-6688495.0	796.0
3.18	10503.2	744.2	-9522.3	-808533.0	-8402617.0	1026.0
3.19	6132.5	774.4	-5455.4	-866872.0	-5607466.0	637.0
3.20	8746.0	743.6	-7834.8	-821497.0	-7326573.0	867.0
3.21	6083.0	795.3	-5392.7	-885823.1	-5519324.0	610.0
3.22	8696.5	764.5	-7772.0	-840448.1	-7238431.0	840.0
3.23	6682.8	137.9	-9697.2	-204191.0	-6453106.0	864.0
3.24	8118.5	968.9	-7578.1	-1103000.0	-9071188.0	615.0
3.25	1559.8	-1071.6	-1895.8	1272000.0	2879618.0	394.0
3.26	2995.5	-240.5	223.3	372293.0	261213.6	145.0
3.27	6768.9	157.4	-9722.3	-216482.0	-6610437.0	864.0
3.28	8032.3	949.4	-7552.9	-1091000.0	-8914873.0	614.0
3.29	1646.0	-1052.1	-1920.9	1259000.0	2722303.0	394.0
3.30	2909.4	-260.0	248.5	384584.0	418807.3	144.0
3.31	6883.1	866.0	-10646.2	-1015000.0	-6815308.0	300.0
3.32	8318.8	1697.1	-8527.1	-1915000.0	-9429391.0	51.0
3.33	1359.5	-1799.7	-946.8	2083000.0	3241821.0	958.0
3.34	2795.2	-968.6	1172.3	1183000.0	622772.0	709.0
3.35	6969.3	885.5	-10671.3	-1028000.0	-6972624.0	300.0
3.36	8232.7	1677.5	-8501.9	-1902000.0	-9273059.0	50.0
3.37	1445.6	-1780.2	-971.9	2070000.0	3083489.0	958.0
3.38	2709.0	-988.1	1197.5	1196000.0	780350.8	708.0
3.39	3214.8	-1255.0	-9439.0	1361000.0	-131385.5	990.0
3.40	8000.4	1515.2	-2375.3	-1636000.0	-8859937.0	160.0
3.41	1677.9	-1617.8	-7098.6	1804000.0	2668367.0	849.0
3.42	6463.5	1152.4	-34.9	-1193000.0	-6060920.0	19.0
3.43	3274.9	-1036.6	-9723.7	1118000.0	-239851.6	820.0
3.44	8060.5	1733.6	-2660.0	-1879000.0	-8970395.0	-9.4
3.45	1617.8	-1836.3	-6813.9	2048000.0	2776826.0	1018.0
3.46	6403.4	933.9	249.8	-950009.0	-5952460.0	188.0
3.47	3501.9	-1190.0	-9522.8	1320000.0	-657073.4	992.0
3.48	7713.2	1450.2	-2291.5	-1595000.0	-8335530.0	157.0
3.49	1965.0	-1552.8	-7182.4	1763000.0	2142944.0	851.0
3.50	6176.4	1087.3	48.9	-1152000.0	-5535497.0	16.0
3.51	3562.0	-971.5	-9807.5	1077000.0	-765532.5	823.0
3.52	7773.3	1668.6	-2576.2	-1838000.0	-8443988.0	-12.0
3.53	1904.9	-1771.2	-6897.7	2007000.0	2251403.0	1020.0
3.54	6116.3	868.9	333.6	-909041.0	-5427038.0	186.0

Calcolo resistenze

Resistenza a trazione dei bulloni $F_{tb,Rd} = 0.9 \cdot f_{tb} \cdot A_{res} / \gamma_{M2} = 90333.1 \text{ N}$

Resistenza a punzonamento flangia $B_{pf,Rd} = 0.6 \cdot \pi \cdot d_m \cdot t_f \cdot f_{tk} / \gamma_{M2} = 124497.5 \text{ N}$

Bull.	$F_{f,Rd} \text{ [N]}$	$F_{t,Rd} \text{ [N]}$
1	13939.4	13939.4
2	13939.4	13939.4
3	13949.3	13949.3
4	13949.3	13949.3

Legenda

$F_{f,Rd} = M_{res,m} / (B_m \cdot R_m)$ resistenza a flessione flangia

$F_{t,Rd} = \min [F_{tb,Rd} , B_{pf,Rd} , F_{f,Rd}]$ resistenza a trazione di progetto

Resistenza a taglio dei bulloni $F_{vb,Rd} = 0.6 \cdot f_{tb} \cdot A_{res} / \gamma_{M2} = 60222.1 \text{ N}$

Bull.	$F_{bf,x,Rd} \text{ [N]}$	$F_{v,x,Rd} \text{ [N]}$	$F_{bf,y,Rd} \text{ [N]}$	$F_{v,y,Rd} \text{ [N]}$
1	68206.4	60222.1	63673.7	60222.1
2	68206.4	60222.1	63673.7	60222.1

Legenda

$$F_{v,y,Rd} = \min [F_{vb,Rd} , F_{bf,y,Rd}] \text{ resistenza a taglio di progetto in direzione } y$$


Legenda

$$\text{VER} \rightarrow FV_i \leq 1$$

346/418

Anima lato destro	92.0	-190.54	0.00	15.98	191.21	Ok
Anima lato sinistro	92.0	-190.54	0.00	15.98	191.21	Ok
Ala superiore interno lato destro	55.3	195.75	0.00	2.72	195.76	N.V.
Ala superiore interno lato sinistro	55.3	322.40	0.00	2.72	322.41	N.V.

Verifica formula (4.2.85) (Nodo n. 3, CMB n. 32)

Cordoni	Lung.[mm]	$n_{\perp}$	$t_{\perp}$	$\tau_{\parallel}$	FV ₂	VER ₂
Ala inferiore interno lato destro	55.3	-337.29	0.00	2.72	337.29	N.V.
Ala inferiore interno lato sinistro	55.3	-210.63	0.00	2.72	210.63	Ok
Anima lato destro	92.0	-190.54	0.00	15.98	190.54	Ok
Anima lato sinistro	92.0	-190.54	0.00	15.98	190.54	Ok
Ala superiore interno lato destro	55.3	195.75	0.00	2.72	195.75	Ok
Ala superiore interno lato sinistro	55.3	322.40	0.00	2.72	322.40	N.V.

Legenda

$n_{\perp}$ tensione normale perpendicolare all'asse del cordone

$t_{\perp}$ tensione tangenziale perpendicolare all'asse del cordone

$\tau_{\parallel}$ tensione tangenziale parallela all'asse del cordone

$$FV_1 = (n_{\perp}^2 + t_{\perp}^2 + \tau_{\parallel}^2)^{0.5}$$

$$FV_2 = |n_{\perp}| + |t_{\perp}|$$

$$VER_i \rightarrow FV_i \leq \beta_i \cdot f_{yk} \quad (\beta_1 \cdot f_{yk} = 192.50 \text{ N/mm}^2 \quad \beta_2 \cdot f_{yk} = 233.75 \text{ N/mm}^2)$$

Verifica del momento di progetto del giunto (Nodo n. 3, CMB n. 32)

Momento resistente del giunto	$M_{j,Rd} =$	3297200.0 N mm
Momento di progetto	$M_{j,Ed} =$	8925324.0 N mm
$M_{j,Ed} / M_{j,Rd} = 2.706941$ N.V.		

Colonna lato inferiore

Tipo di profilo: HEB 200

Materiale: Acciaio S275 $f_y = 275 \text{ N/mm}^2$ $f_t = 430 \text{ N/mm}^2$ $\gamma_{ov} = 1.25$

Classe sezione: 1

Flangia:

Materiale: Acciaio S275 $f_y = 275 \text{ N/mm}^2$ $f_t = 430 \text{ N/mm}^2$ $\gamma_{ov} = 1.25$

Dimensioni (B x H x Sp): 200.0 x 200.0 x 8.0 mm

Bullonature:

Viti cl. 8.8 Dadi 8 o 10 ($f_{yb} = 640 \text{ N/mm}^2$, $f_{tb} = 800 \text{ N/mm}^2$)

Diametro gambo $\varnothing = 16 \text{ mm}$ $A_{res} = 156.8 \text{ mm}^2$ (ridotta per filettatura)

Diametro dado/testa $d_m = 24 \text{ mm}$

Diametro foro $\varnothing_0 = 17 \text{ mm}$

Rigidezza giunto (calcolata secondo EN 1993-1-8 : 2005 par. 6.3):

$S_{j,ini}$ non calcolabile

Saldature:

Materiale: Acciaio S275 $f_y = 275 \text{ N/mm}^2$ $f_t = 430 \text{ N/mm}^2$ $\beta_1 = 0.70$ $\beta_2 = 0.85$

Spessore cordoni d'angolo $s_c = 8 \text{ mm}$

Sollecitazioni nella sezione d'attacco dell'elemento:

Nodo.CMB	V2 [N]	V3 [N]	N [N]	M2 [N mm]	M3 [N mm]	T [N mm]
3.1	-6091.7	2054.8	-11729.2	-865159.9	6906000.0	1046.0
3.2	-8421.1	2501.4	-15856.8	-1148000.0	9041000.0	491.0
3.3	-5851.6	2002.6	-11670.5	-869503.0	6769000.0	2762.0
3.4	-8181.0	2449.3	-15798.2	-1152000.0	8903000.0	2206.0
3.5	-4395.0	1652.1	-8722.1	-636870.0	5450000.0	1298.0
3.6	-6724.4	2098.7	-12849.7	-919297.0	7584000.0	743.0
3.7	-4154.8	1599.9	-8663.4	-641213.0	5312000.0	3014.0
3.8	-6484.3	2046.5	-12791.0	-923638.9	7446000.0	2459.0
3.9	-10750.5	2948.1	-19984.5	-1430000.0	11170000.0	-65.0
3.10	-5923.6	2018.3	-11688.1	-868200.0	6810000.0	2247.0

3.11	-10582.4	2911.5	-19943.4	-1433000.0	11080000.0	1136.0
3.12	-9053.8	2545.3	-16977.4	-1202000.0	9718000.0	187.0
3.13	-4226.9	1615.5	-8681.0	-639910.0	5353000.0	2500.0
3.14	-8885.7	2508.8	-16936.3	-1205000.0	9622000.0	1388.0
3.15	-6056.3	2412.1	-12274.5	-879137.0	8041000.0	2344.0
3.16	-8385.7	2858.7	-16402.1	-1162000.0	10170000.0	1788.0
3.17	-5888.2	2375.5	-12233.4	-882176.9	7944000.0	3545.0
3.18	-8217.6	2822.2	-16361.1	-1165000.0	10080000.0	2989.0
3.19	-4359.6	2009.3	-9267.4	-650847.0	6584000.0	2596.0
3.20	-6689.0	2455.9	-13395.0	-933274.0	8718000.0	2040.0
3.21	-4191.5	1972.8	-9226.3	-653887.0	6488000.0	3797.0
3.22	-6520.9	2419.4	-13353.9	-936313.9	8622000.0	3242.0
3.23	-7642.9	2217.9	-10251.2	-642724.0	7517000.0	-4636.0
3.24	-10118.1	4979.2	-11520.6	-682038.0	10360000.0	-1122.0
3.25	1003.0	-2708.7	-4817.1	-589351.0	-2633000.0	463.0
3.26	-1472.3	52.7	-6086.4	-628665.0	213105.0	3977.0
3.27	-7771.4	2517.0	-10286.9	-644489.0	7688000.0	-556.0
3.28	-9989.6	4680.1	-11484.9	-680273.0	10190000.0	-5202.0
3.29	874.4	-2409.5	-4852.8	-591116.0	-2462000.0	4542.0
3.30	-1343.7	-246.5	-6050.8	-626900.0	42361.0	-103.0
3.31	-8222.0	3679.4	-10284.3	-669825.0	7910000.0	-4998.0
3.32	-10697.2	6440.7	-11553.7	-709139.0	10760000.0	-1484.0
3.33	1582.1	-4170.1	-4784.0	-562250.0	-3026000.0	825.0
3.34	-893.1	-1408.8	-6053.4	-601564.0	-180074.0	4339.0
3.35	-8350.5	3978.5	-10320.0	-671590.0	8081000.0	-918.0
3.36	-10568.7	6141.6	-11518.0	-707374.0	10580000.0	-5564.0
3.37	1453.6	-3871.0	-4819.7	-564015.0	-2855000.0	4905.0
3.38	-764.6	-1707.9	-6017.7	-599799.0	-350817.0	259.0
3.39	-1729.1	-2727.9	-6868.4	-578177.0	644638.0	-6951.0
3.40	-9979.8	6476.4	-11099.6	-709224.0	10130000.0	4762.0
3.41	864.7	-4205.9	-5238.1	-562165.0	-2400000.0	-5422.0
3.42	-7386.1	4998.5	-9469.3	-693212.0	7085000.0	6292.0
3.43	-1902.8	-2289.5	-6878.3	-586307.0	762591.0	-7060.0
3.44	-10153.6	6914.9	-11109.5	-717355.0	10250000.0	4654.0
3.45	1038.4	-4644.3	-5228.2	-554034.0	-2518000.0	-5313.0
3.46	-7212.3	4560.0	-9459.4	-685082.0	6967000.0	6401.0
3.47	-2157.5	-1730.9	-6987.3	-584060.0	1214000.0	6648.0
3.48	-9551.4	5479.4	-10980.6	-703340.0	9561000.0	-8837.0
3.49	436.2	-3208.8	-5357.0	-568048.0	-1831000.0	8178.0
3.50	-6957.6	4001.4	-9350.4	-687329.0	6516000.0	-7308.0
3.51	-2331.2	-1292.4	-6997.2	-592191.0	1332000.0	6540.0
3.52	-9725.1	5917.9	-10990.6	-711471.0	9679000.0	-8946.0
3.53	610.0	-3647.3	-5347.1	-559918.0	-1949000.0	8286.0
3.54	-6783.9	3563.0	-9340.5	-679198.0	6398000.0	-7199.0

Calcolo resistenze

Resistenza a trazione dei bulloni

$$F_{tb,Rd} = 0.9 \cdot f_{tb} \cdot A_{res} / \gamma_{M2} = 90333.1 \text{ N}$$

Resistenza a punzonamento flangia

$$B_{pf,Rd} = 0.6 \cdot \pi \cdot d_m \cdot t_f \cdot f_{tk} / \gamma_{M2} = 124497.5 \text{ N}$$

Resistenza a punzonamento ala passante

$$B_{pa,Rd} = 0.6 \cdot \pi \cdot d_m \cdot t_a \cdot f_{tk} / \gamma_{M2} = 132278.6 \text{ N}$$

Bull.	$F_{f,Rd}$ [N]	$F_{t,Rd}$ [N]
1	13682.7	13682.7
2	13682.7	13682.7
3	13682.7	13682.7
4	13682.7	13682.7

Legenda

$F_{f,Rd} = M_{res,m} / (B_m \cdot R_m)$ resistenza a flessione flangia

$F_{t,Rd} = \min [F_{tb,Rd} , B_{pf,Rd} , B_{pa,Rd} , F_{f,Rd}]$ resistenza a trazione di progetto

Resistenza a taglio dei bulloni

$$F_{vb,Rd} = 0.6 \cdot f_{tb} \cdot A_{res} / \gamma_{M2} = 60222.1 \text{ N}$$

Bull.	$F_{bf,x,Rd}$ [N]	$F_{ba,x,Rd}$ [N]	$F_{v,x,Rd}$ [N]	$F_{bf,y,Rd}$ [N]	$F_{ba,y,Rd}$ [N]	$F_{v,y,Rd}$ [N]
1	94539.3	106172.1	60222.1	110080.0	55269.3	55269.3

2	94539.3	106172.1	60222.1	110080.0	55269.3	55269.3
3	94539.3	106172.1	60222.1	110080.0	55269.3	55269.3
4	94539.3	106172.1	60222.1	110080.0	55269.3	55269.3

Legenda

$F_{bf,x,Rd} = k \cdot \alpha \cdot f_{tk} \cdot \emptyset \cdot t_f / \gamma_{M2}$ resistenza a rifollamento flangia in direzione x

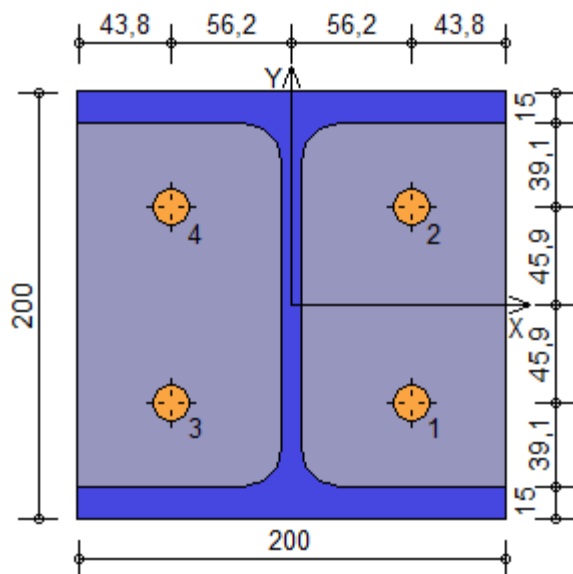
$F_{ba,x,Rd} = k \cdot \alpha \cdot f_{tk} \cdot \emptyset \cdot t_a / \gamma_{M2}$ resistenza a rifollamento ala passante in direzione x

$F_{v,x,Rd} = \min [F_{vb,Rd} , F_{bf,x,Rd} , F_{ba,x,Rd}]$ resistenza a taglio di progetto in direzione x

$F_{bf,y,Rd} = k \cdot \alpha \cdot f_{tk} \cdot \emptyset \cdot t_f / \gamma_{M2}$ resistenza a rifollamento flangia in direzione y

$F_{ba,y,Rd} = k \cdot \alpha \cdot f_{tk} \cdot \emptyset \cdot t_a / \gamma_{M2}$ resistenza a rifollamento ala passante in direzione y

$F_{v,y,Rd} = \min [F_{vb,Rd} , F_{bf,y,Rd} , F_{ba,y,Rd}]$ resistenza a taglio di progetto in direzione y



Verifiche sui bulloni

1-Taglio e trazione (Nodo n. 3, CMB n. 32)

Bull.	X [mm]	Y [mm]	$F_{v,Ed}$ [N]	$F_{v,Rd}$ [N]	$F_{t,Ed}$ [N]	$F_{t,Rd}$ [N]	FV_1	VER
1	56.20	-45.90	3116.6	55269.3	44928.6	13682.7	2.401829	N.V.
2	56.20	45.90	3119.9	55269.3	1991.3	13682.7	0.160403	Ok
3	-56.20	-45.90	3123.4	55269.3	45784.9	13682.7	2.446649	N.V.
4	-56.20	45.90	3126.7	55269.3	2847.5	13682.7	0.205224	Ok

2-Trazione (Nodo n. 3, CMB n. 9)

Bull.	X [mm]	Y [mm]	$F_{t,Ed}$ [N]	$F_{t,Rd}$ [N]	FV_2	VER
1	56.20	-45.90	44127.3	13682.7	3.225049	N.V.
2	56.20	45.90	1301.8	13682.7	0.095145	Ok
3	-56.20	-45.90	45809.4	13682.7	3.347986	N.V.
4	-56.20	45.90	2983.9	13682.7	0.218082	Ok

Legenda

$F_{v,Ed}$ forza di taglio agente sul bullone

$F_{v,Rd}$ resistenza a taglio di progetto del bullone

$F_{t,Ed}$ forza di trazione agente sul bullone

$F_{t,Rd}$ resistenza a trazione di progetto del bullone

$FV_1 = F_{v,Ed} / F_{v,Rd} + F_{t,Ed} / (1.4 \cdot F_{t,Rd})$

$FV_2 = F_{t,Ed} / F_{t,Rd}$

VER $\rightarrow FV_i \leq 1$

Verifiche sulle saldature profilo-flangia (versione beta)

Si considera la sezione di gola (avente altezza $a = s_c / 2^{0.5} = 5.657$) in posizione ribaltata: vengono considerate positive le tensioni normali di trazione e le tensioni tangenziali agenti verso destra e verso il basso. Tutte le tensioni sono espresse in N/mm^2 .

Verifica formula (4.2.84) (Nodo n. 3, CMB n. 9)

Cordoni	Lung.[mm]	$n_{\perp}$	$t_{\perp}$	$\tau_{\parallel}$	FV ₁	VER ₁
Ala inferiore interno lato destro	77.5	54.60	0.00	1.68	54.63	Ok
Ala inferiore interno lato sinistro	77.5	78.10	0.00	1.68	78.12	Ok
Anima lato destro	134.0	-59.14	0.00	-7.09	59.56	Ok
Anima lato sinistro	134.0	-59.14	0.00	-7.09	59.56	Ok
Ala superiore interno lato destro	77.5	-90.32	0.00	1.68	90.34	Ok
Ala superiore interno lato sinistro	77.5	-66.83	0.00	1.68	66.85	Ok

Verifica formula (4.2.85) (Nodo n. 3, CMB n. 9)

Cordoni	Lung.[mm]	$n_{\perp}$	$t_{\perp}$	$\tau_{\parallel}$	FV ₂	VER ₂
Ala inferiore interno lato destro	77.5	54.60	0.00	1.68	54.60	Ok
Ala inferiore interno lato sinistro	77.5	78.10	0.00	1.68	78.10	Ok
Anima lato destro	134.0	-59.14	0.00	-7.09	59.14	Ok
Anima lato sinistro	134.0	-59.14	0.00	-7.09	59.14	Ok
Ala superiore interno lato destro	77.5	-90.32	0.00	1.68	90.32	Ok
Ala superiore interno lato sinistro	77.5	-66.83	0.00	1.68	66.83	Ok

Legenda

$n_{\perp}$ tensione normale perpendicolare all'asse del cordone

$t_{\perp}$ tensione tangenziale perpendicolare all'asse del cordone

$\tau_{\parallel}$ tensione tangenziale parallela all'asse del cordone

$$FV_1 = (n_{\perp}^2 + t_{\perp}^2 + \tau_{\parallel}^2)^{0.5}$$

$$FV_2 = |n_{\perp}| + |t_{\perp}|$$

$$VER_i \rightarrow FV_i \leq \beta_i \cdot f_{yk} \quad (\beta_1 \cdot f_{yk} = 192.50 \text{ N/mm}^2 \quad \beta_2 \cdot f_{yk} = 233.75 \text{ N/mm}^2)$$

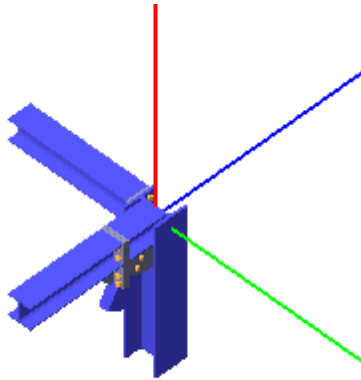
Verifica del momento di progetto del giunto (Nodo n. 3, CMB n. 32)

Momento resistente del giunto $M_{j,Rd} = 3484147.0 \text{ N mm}$

Momento di progetto $M_{j,Ed} = 10024490.0 \text{ N mm}$

$$M_{j,Ed} / M_{j,Rd} = 2.877173 \quad \text{N.V.}$$

Verifica secondo il D.M. 17/01/2018 del nodo 33



Colonna

Tipo di profilo: HEB 200

Materiale: Acciaio S275 $f_y = 275 \text{ N/mm}^2$ $f_t = 430 \text{ N/mm}^2$ $\gamma_{ov} = 1.25$

Classe sezione: 1

Coefficienti di sicurezza utilizzati

$\gamma_{M0} = 1.05$

$\gamma_{M1} = 1.10$

$\gamma_{M2} = 1.25$

Trave lato 2-

Tipo di profilo: HEA 140

Materiale: Acciaio S275 $f_y = 275 \text{ N/mm}^2$ $f_t = 430 \text{ N/mm}^2$ $\gamma_{ov} = 1.25$

Classe sezione: 1

Flangia:

Materiale: Acciaio S275 $f_y = 275 \text{ N/mm}^2$ $f_t = 430 \text{ N/mm}^2$ $\gamma_{ov} = 1.25$

Dimensioni (B x H x Sp): 140.0 x 230.0 x 15.0 mm

Spessore nervature verticali: 5.0 mm

Bullonature:

Viti cl. 8.8 Dadi 8 o 10 ($f_{yb} = 640 \text{ N/mm}^2$, $f_{tb} = 800 \text{ N/mm}^2$)

Diametro gambo $\varnothing = 18 \text{ mm}$ $A_{res} = 190.9 \text{ mm}^2$ (ridotta per filettatura)

Diametro dado/testa $d_m = 27 \text{ mm}$

Diametro foro $\varnothing_0 = 19 \text{ mm}$

Rigidezza giunto (calcolata secondo EN 1993-1-8 : 2005 par. 6.3):

$S_{j,ini} = 21293000000 \text{ N mm / rad}$

Saldature:

Materiale: Acciaio S275 $f_y = 275 \text{ N/mm}^2$ $f_t = 430 \text{ N/mm}^2$ $\beta_1 = 0.70$ $\beta_2 = 0.85$

Spessore cordoni d'angolo $s_c = 8 \text{ mm}$

Sollecitazioni nella sezione d'attacco dell'elemento:

Nodo.CMB	V2 [N]	V3 [N]	N [N]	M2 [N mm]	M3 [N mm]	T [N mm]
33.1	1502.7	518.8	-589.9	-358002.0	-722908.0	177.0
33.2	1820.1	583.6	-686.0	-425467.0	-840990.1	179.0
33.3	1851.4	541.6	-618.2	-385891.0	-980859.9	230.0
33.4	2168.9	606.3	-714.3	-453356.0	-1098110.0	232.0
33.5	1117.7	466.3	-478.4	-303546.0	-550654.0	168.0
33.6	1435.1	531.0	-574.5	-371012.0	-668444.0	170.0
33.7	1466.4	489.0	-506.7	-331435.0	-808292.1	222.0
33.8	1783.9	553.7	-602.8	-398901.0	-925609.9	224.0
33.9	2137.6	648.3	-782.1	-492932.0	-958240.1	181.0

33.10	1746.8	534.7	-609.7	-377524.0	-903320.0	214.0
33.11	2381.7	664.2	-801.9	-512455.0	-1138830.0	218.0
33.12	1752.6	595.7	-670.6	-438477.0	-786224.0	172.0
33.13	1361.8	482.2	-498.2	-323069.0	-731000.0	206.0
33.14	1996.7	611.6	-690.4	-458000.0	-966330.0	210.0
33.15	1554.2	735.6	-696.4	-462556.0	-790758.0	287.0
33.16	1871.6	800.4	-792.5	-530021.0	-908840.1	289.0
33.17	1798.3	751.5	-716.2	-482078.0	-971170.0	324.0
33.18	2115.8	816.2	-812.3	-549544.0	-1088420.0	326.0
33.19	1169.2	683.1	-584.8	-408100.0	-618504.0	278.0
33.20	1486.6	747.8	-681.0	-475566.0	-736294.0	280.0
33.21	1413.3	699.0	-604.7	-427623.0	-798850.0	316.0
33.22	1730.8	763.7	-700.8	-495088.0	-916920.0	318.0
33.23	-4414.2	99.5	808.2	-8731.0	6901580.0	247.0
33.24	-2822.9	-346.6	1353.3	438527.0	4778710.0	963.0
33.25	5106.6	646.8	-2015.7	-752191.0	-5811340.0	-929.0
33.26	6697.9	200.6	-1470.6	-304933.0	-7935210.0	-213.0
33.27	-4426.6	130.3	786.1	-17724.0	6919340.0	296.0
33.28	-2810.6	-377.4	1375.4	447519.0	4759940.0	914.0
33.29	5094.2	677.5	-2037.8	-761184.0	-5793580.0	-880.0
33.30	6710.3	169.9	-1448.5	-295941.0	-7952971.0	-262.0
33.31	-2838.9	42.3	181.8	-37647.0	4789110.0	725.0
33.32	-1247.6	-403.9	726.8	409611.0	2665240.0	1442.0
33.33	3531.3	704.0	-1389.3	-723275.0	-3698870.0	-1407.0
33.34	5122.6	257.9	-844.2	-276017.0	-5822740.0	-691.0
33.35	-2851.3	73.0	159.7	-46640.0	4806870.0	775.0
33.36	-1235.2	-434.6	749.0	418603.0	2647480.0	1393.0
33.37	3518.9	734.8	-1411.4	-732268.0	-3681110.0	-1358.0
33.38	5135.0	227.1	-822.1	-267025.0	-5840500.0	-740.0
33.39	-2938.5	811.6	-816.0	-790744.0	4929150.0	-1000.0
33.40	2365.9	-675.6	1000.8	700117.0	-2148410.0	1388.0
33.41	-82.2	975.7	-1663.2	-1014000.0	1115780.0	-1353.0
33.42	5222.1	-511.4	153.6	477079.0	-5962790.0	1035.0
33.43	-2465.9	794.4	-1003.9	-799419.0	4295410.0	-857.0
33.44	2838.5	-692.8	812.8	691443.0	-2783150.0	1531.0
33.45	-554.8	992.9	-1475.3	-1005000.0	1749520.0	-1497.0
33.46	4749.5	-494.2	341.5	485754.0	-5329050.0	891.0
33.47	-2979.7	914.1	-889.8	-820718.0	4989030.0	-836.0
33.48	2407.1	-778.1	1074.6	730092.0	-2208290.0	1224.0
33.49	-123.5	1078.3	-1737.0	-1044000.0	1174650.0	-1189.0
33.50	5263.4	-613.9	227.4	507054.0	-6022660.0	871.0
33.51	-2507.2	896.9	-1077.7	-829393.0	4355280.0	-693.0
33.52	2879.7	-795.3	886.7	721417.0	-2842030.0	1367.0
33.53	-596.1	1095.4	-1549.1	-1035000.0	1808390.0	-1333.0
33.54	4790.8	-596.7	415.3	515729.0	-5388920.0	727.0

Calcolo resistenze

Resistenza a trazione dei bulloni

$$F_{tb,Rd} = 0.9 \cdot f_{tb} \cdot A_{res} / \gamma_{M2} = 109930.6 \text{ N}$$

Resistenza a punzonamento flangia

$$B_{pf,Rd} = 0.6 \cdot \pi \cdot d_m \cdot t_f \cdot f_{tk} / \gamma_{M2} = 262612.0 \text{ N}$$

Resistenza a punzonamento ala passante

$$B_{pa,Rd} = 0.6 \cdot \pi \cdot d_m \cdot t_a \cdot f_{tk} / \gamma_{M2} = 262612.0 \text{ N}$$

Bull.	$F_{f,Rd}$ [N]	$F_{t,Rd}$ [N]
1	16465.3	16465.3
2	40208.9	40208.9
3	41860.1	41860.1
4	41727.1	41727.1
5	16465.3	16465.3
6	40208.9	40208.9
7	41860.1	41860.1
8	41727.1	41727.1

Legenda

$F_{f,Rd} = M_{res,m} / (B_m \cdot R_m)$ resistenza a flessione flangia

6	-45.00	-93.50	7698.5	40208.9	0.191463	Ok
7	-45.00	-33.50	3759.5	41860.1	0.089810	Ok
8	-45.00	31.50	0.0	41727.1	0.000000	Ok

Legenda

$F_{v,Ed}$ forza di taglio agente sul bullone
 $F_{v,Rd}$ resistenza a taglio di progetto del bullone
 $F_{t,Ed}$ forza di trazione agente sul bullone
 $F_{t,Rd}$ resistenza a trazione di progetto del bullone
 $FV_1 = F_{v,Ed} / F_{v,Rd} + F_{t,Ed} / (1.4 \cdot F_{t,Rd})$
 $FV_2 = F_{t,Ed} / F_{t,Rd}$
 $VER \rightarrow FV_i \leq 1$

Verifiche sulle saldature profilo-flangia (versione beta)

Si considera la sezione di gola (avente altezza $a = s_c / 2^{0.5} = 5.657$) in posizione ribaltata: vengono considerate positive le tensioni normali di trazione e le tensioni tangenziali agenti verso destra e verso il basso. Tutte le tensioni sono espresse in N/mm².

Verifica formula (4.2.84) (Nodo n. 33, CMB n. 30)

Cordoni	Lung.[mm]	$n_{\perp}$	$t_{\perp}$	$\tau_{\parallel}$	FV_1	VER_1
Nervatura inferiore lato destro	89.0	-56.22	0.00	3.28	56.32	Ok
Nervatura inferiore lato sinistro	89.0	-56.22	0.00	3.28	56.32	Ok
Ala inferiore esterno	140.0	-24.04	0.00	0.08	24.04	Ok
Ala inferiore interno lato destro	55.3	-24.58	0.00	0.08	24.58	Ok
Ala inferiore interno lato sinistro	55.3	-18.07	0.00	0.08	18.07	Ok
Anima lato destro	92.0	-16.07	0.00	3.28	16.40	Ok
Anima lato sinistro	92.0	-16.07	0.00	3.28	16.40	Ok
Ala superiore interno lato destro	55.3	17.37	0.00	0.08	17.37	Ok
Ala superiore interno lato sinistro	55.3	23.87	0.00	0.08	23.87	Ok

Verifica formula (4.2.85) (Nodo n. 33, CMB n. 30)

Cordoni	Lung.[mm]	$n_{\perp}$	$t_{\perp}$	$\tau_{\parallel}$	FV_2	VER_2
Nervatura inferiore lato destro	89.0	-56.22	0.00	3.28	56.22	Ok
Nervatura inferiore lato sinistro	89.0	-56.22	0.00	3.28	56.22	Ok
Ala inferiore esterno	140.0	-24.04	0.00	0.08	24.04	Ok
Ala inferiore interno lato destro	55.3	-24.58	0.00	0.08	24.58	Ok
Ala inferiore interno lato sinistro	55.3	-18.07	0.00	0.08	18.07	Ok
Anima lato destro	92.0	-16.07	0.00	3.28	16.07	Ok
Anima lato sinistro	92.0	-16.07	0.00	3.28	16.07	Ok
Ala superiore interno lato destro	55.3	17.37	0.00	0.08	17.37	Ok
Ala superiore interno lato sinistro	55.3	23.87	0.00	0.08	23.87	Ok

Legenda

$n_{\perp}$ tensione normale perpendicolare all'asse del cordone
 $t_{\perp}$ tensione tangenziale perpendicolare all'asse del cordone
 $\tau_{\parallel}$ tensione tangenziale parallela all'asse del cordone
 $FV_1 = (n_{\perp}^2 + t_{\perp}^2 + \tau_{\parallel}^2)^{0.5}$
 $FV_2 = |n_{\perp}| + |t_{\perp}|$
 $VER_i \rightarrow FV_i \leq \beta_i \cdot f_{yk} \quad (\beta_1 \cdot f_{yk} = 192.50 \text{ N/mm}^2 \quad \beta_2 \cdot f_{yk} = 233.75 \text{ N/mm}^2)$

Verifica del momento di progetto del giunto (Nodo n. 33, CMB n. 27)

Momento resistente del giunto	$M_{j,Rd} =$	25168900.0 N mm
Momento di progetto	$M_{j,Ed} =$	6960364.0 N mm
$M_{j,Ed} / M_{j,Rd} = 0.276546 \quad \text{Ok}$		

Trave lato 3-

Tipo di profilo: HEA 140

Materiale: Acciaio S275 $f_y = 275 \text{ N/mm}^2$ $f_t = 430 \text{ N/mm}^2$ $\gamma_{ov} = 1.25$

Classe sezione: 1

Flangia:

Materiale: Acciaio S275 $f_y = 275 \text{ N/mm}^2$ $f_t = 430 \text{ N/mm}^2$ $\gamma_{ov} = 1.25$

Dimensioni (B x H x Sp): 140.0 x 280.2 x 15.0 mm

Spessore nervature verticali: 10.0 mm

Bullonature:

Viti cl. 8.8 Dadi 8 o 10 ($f_{yb} = 640 \text{ N/mm}^2$, $f_{tb} = 800 \text{ N/mm}^2$)

Diametro gambo $\varnothing = 18 \text{ mm}$ $A_{res} = 190.9 \text{ mm}^2$ (ridotta per filettatura)

Diametro dado/testa $d_m = 27 \text{ mm}$

Diametro foro $\varnothing_0 = 19 \text{ mm}$

Rigidezza giunto (calcolata secondo EN 1993-1-8 : 2005 par. 6.3):

$S_{j,ini}$ non calcolabile

Saldature:

Materiale: Acciaio S275 $f_y = 275 \text{ N/mm}^2$ $f_t = 430 \text{ N/mm}^2$ $\beta_1 = 0.70$ $\beta_2 = 0.85$

Spessore cordoni d'angolo $s_c = 8 \text{ mm}$

Sollecitazioni nella sezione d'attacco dell'elemento:

Nodo.CMB	V2 [N]	V3 [N]	N [N]	M2 [N mm]	M3 [N mm]	T [N mm]
33.1	1228.5	-265.6	1408.3	356425.0	41374.3	-141.0
33.2	1672.9	-319.7	1432.7	423268.0	53410.4	-215.0
33.3	1245.7	-288.3	1201.4	383772.0	21259.9	-281.0
33.4	1690.2	-342.4	1225.8	450615.0	33321.1	-354.0
33.5	888.9	-221.8	1340.9	302492.0	40269.5	-67.0
33.6	1333.4	-275.9	1365.3	369335.0	52330.7	-141.0
33.7	906.2	-244.5	1134.0	329838.0	20180.1	-207.0
33.8	1350.7	-298.6	1158.5	396681.0	32241.4	-280.0
33.9	2117.4	-373.8	1457.1	490111.0	65471.7	-288.0
33.10	1240.5	-281.5	1263.5	375568.0	27284.3	-239.0
33.11	2129.5	-389.6	1312.3	509254.0	51406.7	-386.0
33.12	1777.9	-330.0	1389.7	436178.0	64391.9	-215.0
33.13	901.0	-237.7	1196.1	321634.0	26204.5	-165.0
33.14	1790.0	-345.8	1244.9	455320.0	50327.0	-312.0
33.15	1216.5	-335.1	2235.7	461232.0	72538.3	-63.0
33.16	1661.0	-389.2	2260.1	528075.0	84599.5	-137.0
33.17	1228.5	-350.9	2090.9	480374.0	58448.3	-161.0
33.18	1673.0	-405.0	2115.3	547217.0	70509.5	-235.0
33.19	877.0	-291.3	2168.3	407298.0	71457.5	11.0
33.20	1321.5	-345.4	2192.7	474141.0	83518.7	-63.0
33.21	889.0	-307.1	2023.5	426441.0	57368.5	-87.0
33.22	1333.5	-361.2	2047.9	493284.0	69429.8	-161.0
33.23	856.8	139.5	2456.9	1814.0	106480.4	-1925.0
33.24	827.9	497.6	1456.0	-443911.0	51110.0	-958.0
33.25	1051.5	-749.4	-1306.6	754413.0	-69458.3	517.0
33.26	1022.5	-391.2	-2307.4	308687.0	-124854.7	1485.0
33.27	857.2	131.9	2481.7	10628.0	109687.6	-1863.0
33.28	827.5	505.2	1431.2	-452725.0	47902.8	-1020.0
33.29	1051.8	-756.9	-1281.8	763226.0	-66276.1	579.0
33.30	1022.2	-383.7	-2332.2	299873.0	-128036.9	1423.0
33.31	883.2	-24.3	2816.3	46235.0	107813.6	470.0
33.32	854.2	333.8	1815.4	-399491.0	52417.1	1437.0
33.33	1025.1	-585.6	-1666.0	709992.0	-70791.5	-1878.0
33.34	996.2	-227.5	-2666.9	264266.0	-126161.9	-910.0
33.35	883.5	-31.8	2841.1	55048.0	110995.8	532.0
33.36	853.9	341.4	1790.6	-408305.0	49234.9	1375.0
33.37	1025.5	-593.2	-1641.2	718806.0	-67584.2	-1816.0
33.38	995.8	-219.9	-2691.7	255453.0	-129370.1	-972.0
33.39	958.8	-589.5	2307.3	785237.0	109536.4	-2200.0
33.40	862.2	604.4	-1028.8	-700515.0	-75100.9	1026.0
33.41	1017.1	-856.1	1178.3	1011000.0	56726.6	-1467.0
33.42	920.6	337.7	-2157.9	-474736.0	-127884.7	1759.0
33.43	966.7	-638.6	2415.1	798563.0	109931.3	-1481.0
33.44	870.1	555.2	-921.0	-687189.0	-74705.9	1745.0

33.45	1009.2	-807.0	1070.4	997691.0	56331.6	-2185.0
33.46	912.7	386.8	-2265.7	-488062.0	-128279.7	1041.0
33.47	959.8	-614.6	2389.9	814616.0	120143.9	-1993.0
33.48	861.1	629.5	-1111.5	-729894.0	-85733.4	820.0
33.49	1018.2	-881.3	1260.9	1040000.0	67359.1	-1260.0
33.50	919.5	362.8	-2240.5	-504114.0	-138518.3	1552.0
33.51	967.7	-663.7	2497.8	827942.0	120538.8	-1274.0
33.52	869.0	580.4	-1003.7	-716568.0	-85338.5	1538.0
33.53	1010.3	-832.1	1153.1	1027000.0	66965.1	-1978.0
33.54	911.6	412.0	-2348.4	-517441.0	-138912.2	834.0

Calcolo resistenze

Resistenza a trazione dei bulloni

$$F_{tb,Rd} = 0.9 \cdot f_{tb} \cdot A_{res} / \gamma_{M2} = 109930.6 \text{ N}$$

Resistenza a punzonamento flangia

$$B_{pf,Rd} = 0.6 \cdot \pi \cdot d_m \cdot t_f \cdot f_{tk} / \gamma_{M2} = 262612.0 \text{ N}$$

Bull.	$F_{f,Rd}$ [N]	$F_{t,Rd}$ [N]
1	17494.4	17494.4
2	29665.0	29665.0
3	41860.1	41860.1
4	41727.1	41727.1
5	17494.4	17494.4
6	29665.0	29665.0
7	41860.1	41860.1
8	41727.1	41727.1

Legenda

$F_{f,Rd} = M_{res,m} / (B_m \cdot R_m)$ resistenza a flessione flangia

$F_{t,Rd} = \min [F_{tb,Rd} , B_{pf,Rd} , F_{f,Rd}]$ resistenza a trazione di progetto

Resistenza a taglio dei bulloni

$$F_{vb,Rd} = 0.6 \cdot f_{tb} \cdot A_{res} / \gamma_{M2} = 73287.1 \text{ N}$$

Bull.	$F_{bf,x,Rd}$ [N]	$F_{v,x,Rd}$ [N]	$F_{bf,y,Rd}$ [N]	$F_{v,y,Rd}$ [N]
1	80830.5	73287.1	80830.5	73287.1
2	65822.2	65822.2	99421.5	73287.1
3	101842.1	73287.1	164085.9	73287.1
4	101842.1	73287.1	113162.7	73287.1
5	80830.5	73287.1	80830.5	73287.1
6	65822.2	65822.2	99421.5	73287.1
7	101842.1	73287.1	164085.9	73287.1
8	101842.1	73287.1	113162.7	73287.1

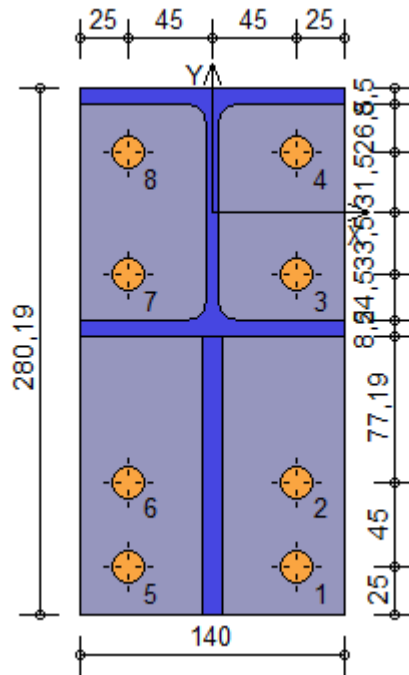
Legenda

$F_{bf,x,Rd} = k \cdot \alpha \cdot f_{tk} \cdot \emptyset \cdot t_f / \gamma_{M2}$ resistenza a rifollamento flangia in direzione x

$F_{v,x,Rd} = \min [F_{vb,Rd} , F_{bf,x,Rd}]$ resistenza a taglio di progetto in direzione x

$F_{bf,y,Rd} = k \cdot \alpha \cdot f_{tk} \cdot \emptyset \cdot t_f / \gamma_{M2}$ resistenza a rifollamento flangia in direzione y

$F_{v,y,Rd} = \min [F_{vb,Rd} , F_{bf,y,Rd}]$ resistenza a taglio di progetto in direzione y



Verifiche sui bulloni

1-Taglio e trazione (Nodo n. 33, CMB n. 49)

Bull.	X [mm]	Y [mm]	$F_{v,Ed}$ [N]	$F_{v,Rd}$ [N]	$F_{t,Ed}$ [N]	$F_{t,Rd}$ [N]	FV_1	VER
1	45.00	-188.69	170.0	73287.1	2529.0	17494.4	0.105577	Ok
2	45.00	-143.69	169.5	73287.1	2551.3	29665.0	0.063744	Ok
3	45.00	-33.50	168.4	73287.1	2605.8	41860.1	0.046762	Ok
4	45.00	31.50	167.7	73287.1	2638.0	41727.1	0.047446	Ok
5	-45.00	-188.69	168.9	73287.1	39.7	17494.4	0.003926	Ok
6	-45.00	-143.69	168.4	73287.1	62.0	29665.0	0.003791	Ok
7	-45.00	-33.50	167.2	73287.1	116.5	41860.1	0.004271	Ok
8	-45.00	31.50	166.5	73287.1	148.7	41727.1	0.004818	Ok

2-Trazione (Nodo n. 33, CMB n. 49)

Bull.	X [mm]	Y [mm]	$F_{t,Ed}$ [N]	$F_{t,Rd}$ [N]	FV_2	VER
1	45.00	-188.69	2529.0	17494.4	0.144561	Ok
2	45.00	-143.69	2551.3	29665.0	0.086003	Ok
3	45.00	-33.50	2605.8	41860.1	0.062251	Ok
4	45.00	31.50	2638.0	41727.1	0.063221	Ok
5	-45.00	-188.69	39.7	17494.4	0.002269	Ok
6	-45.00	-143.69	62.0	29665.0	0.002089	Ok
7	-45.00	-33.50	116.5	41860.1	0.002784	Ok
8	-45.00	31.50	148.7	41727.1	0.003564	Ok

Legenda

$F_{v,Ed}$ forza di taglio agente sul bullone
 $F_{v,Rd}$ resistenza a taglio di progetto del bullone
 $F_{t,Ed}$ forza di trazione agente sul bullone
 $F_{t,Rd}$ resistenza a trazione di progetto del bullone
 $FV_1 = F_{v,Ed} / F_{v,Rd} + F_{t,Ed} / (1.4 \cdot F_{t,Rd})$
 $FV_2 = F_{t,Ed} / F_{t,Rd}$
 $VER \rightarrow FV_i \leq 1$

Verifiche sulle saldature profilo-flangia (versione beta)

Si considera la sezione di gola (avente altezza $a = s_c / 2^{0.5} = 5.657$) in posizione ribaltata: vengono considerate positive le tensioni normali di trazione e le tensioni tangenziali agenti verso destra e verso il basso. Tutte le tensioni sono espresse in N/mm².

Verifica formula (4.2.84) (Nodo n. 33, CMB n. 49)

Cordoni	Lung.[mm]	$n_{\perp}$	$t_{\perp}$	$\tau_{\parallel}$	FV_1	VER ₁
Nervatura inferiore lato destro	139.2	0.60	0.00	0.39	0.72	Ok
Nervatura inferiore lato sinistro	139.2	0.60	0.00	0.39	0.72	Ok

Ala inferiore esterno	140.0	-18.50	0.00	-0.43	18.50	Ok
Ala inferiore interno lato destro	55.3	19.23	0.00	-0.43	19.24	Ok
Ala inferiore interno lato sinistro	55.3	-18.52	0.00	-0.43	18.53	Ok
Anima lato destro	92.0	0.34	0.00	0.39	0.52	Ok
Anima lato sinistro	92.0	0.34	0.00	0.39	0.52	Ok
Ala superiore interno lato destro	55.3	19.06	0.00	-0.43	19.07	Ok
Ala superiore interno lato sinistro	55.3	-18.69	0.00	-0.43	18.70	Ok

Verifica formula (4.2.85) (Nodo n. 33, CMB n. 49)

Cordoni	Lung.[mm]	$n_{\perp}$	$t_{\perp}$	$\tau_{\parallel}$	FV ₂	VER ₂
Nervatura inferiore lato destro	139.2	0.60	0.00	0.39	0.60	Ok
Nervatura inferiore lato sinistro	139.2	0.60	0.00	0.39	0.60	Ok
Ala inferiore esterno	140.0	-18.50	0.00	-0.43	18.50	Ok
Ala inferiore interno lato destro	55.3	19.23	0.00	-0.43	19.23	Ok
Ala inferiore interno lato sinistro	55.3	-18.52	0.00	-0.43	18.52	Ok
Anima lato destro	92.0	0.34	0.00	0.39	0.34	Ok
Anima lato sinistro	92.0	0.34	0.00	0.39	0.34	Ok
Ala superiore interno lato destro	55.3	19.06	0.00	-0.43	19.06	Ok
Ala superiore interno lato sinistro	55.3	-18.69	0.00	-0.43	18.69	Ok

Legenda

$n_{\perp}$ tensione normale perpendicolare all'asse del cordone

$t_{\perp}$ tensione tangenziale perpendicolare all'asse del cordone

$\tau_{\parallel}$ tensione tangenziale parallela all'asse del cordone

$$FV_1 = (n_{\perp}^2 + t_{\perp}^2 + \tau_{\parallel}^2)^{0.5}$$

$$FV_2 = |n_{\perp}| + |t_{\perp}|$$

$$VER_i \rightarrow FV_i \leq \beta_i \cdot f_{yk} \quad (\beta_1 \cdot f_{yk} = 192.50 \text{ N/mm}^2 \quad \beta_2 \cdot f_{yk} = 233.75 \text{ N/mm}^2)$$

Verifica del momento di progetto del giunto (Nodo n. 33, CMB n. 49)

Momento resistente del giunto $M_{j,Rd} = 16413300.0 \text{ N mm}$

Momento di progetto $M_{j,Ed} = 1040000.0 \text{ N mm}$

$$M_{j,Ed} / M_{j,Rd} = 0.063363 \quad \text{Ok}$$

Controvento Col. Inf. ÷ Trave 3-

Tipo di profilo: UNP 140

Materiale: Acciaio S275 $f_y = 275 \text{ N/mm}^2$ $f_t = 430 \text{ N/mm}^2$ $\gamma_{ov} = 1.25$

Piastra di collegamento:

Materiale: Acciaio S275 $f_y = 275 \text{ N/mm}^2$ $f_t = 430 \text{ N/mm}^2$ $\gamma_{ov} = 1.25$

Spessore: 10.0 mm

Bullonature:

Viti cl. 8.8 Dadi 8 o 10 ($f_{yb} = 640 \text{ N/mm}^2$, $f_{tb} = 800 \text{ N/mm}^2$)

Diametro gambo $\varnothing = 20 \text{ mm}$ $A_{res} = 245.0 \text{ mm}^2$ (ridotta per filettatura)

Diametro dado/testa $d_m = 30 \text{ mm}$

Diametro foro $\varnothing_0 = 21 \text{ mm}$

Sollecitazioni nella sezione d'attacco del controvento:

Nodo.CMB	V2 [N]	V3 [N]	N [N]	M2 [N mm]	M3 [N mm]	T [N mm]
33.1	234.2	0.0	-3851.0	0.0	0.0	0.0
33.2	234.2	0.0	-4101.3	0.0	0.0	0.0
33.3	234.2	0.0	-3516.1	0.0	0.0	0.0
33.4	234.2	0.0	-3766.4	0.0	0.0	0.0
33.5	180.2	0.0	-3623.3	0.0	0.0	0.0
33.6	180.2	0.0	-3873.6	0.0	0.0	0.0
33.7	180.2	0.0	-3288.4	0.0	0.0	0.0
33.8	180.2	0.0	-3538.7	0.0	0.0	0.0
33.9	234.2	0.0	-4351.6	0.0	0.0	0.0
33.10	234.2	0.0	-3616.6	0.0	0.0	0.0
33.11	234.2	0.0	-4117.1	0.0	0.0	0.0
33.12	180.2	0.0	-4123.9	0.0	0.0	0.0

33.13	180.2	0.0	-3388.9	0.0	0.0	0.0
33.14	180.2	0.0	-3889.5	0.0	0.0	0.0
33.15	234.2	0.0	-6000.2	0.0	0.0	0.0
33.16	234.2	0.0	-6250.5	0.0	0.0	0.0
33.17	234.2	0.0	-5765.8	0.0	0.0	0.0
33.18	234.2	0.0	-6016.1	0.0	0.0	0.0
33.19	180.2	0.0	-5772.6	0.0	0.0	0.0
33.20	180.2	0.0	-6022.9	0.0	0.0	0.0
33.21	180.2	0.0	-5538.1	0.0	0.0	0.0
33.22	180.2	0.0	-5788.4	0.0	0.0	0.0
33.23	180.2	0.0	-5226.4	0.0	0.0	0.0
33.24	180.2	0.0	-2647.5	0.0	0.0	0.0
33.25	180.2	0.0	1888.7	0.0	0.0	0.0
33.26	180.2	0.0	4467.6	0.0	0.0	0.0
33.27	180.2	0.0	-5553.2	0.0	0.0	0.0
33.28	180.2	0.0	-2320.6	0.0	0.0	0.0
33.29	180.2	0.0	1561.8	0.0	0.0	0.0
33.30	180.2	0.0	4794.4	0.0	0.0	0.0
33.31	180.2	0.0	-6530.4	0.0	0.0	0.0
33.32	180.2	0.0	-3951.5	0.0	0.0	0.0
33.33	180.2	0.0	3192.7	0.0	0.0	0.0
33.34	180.2	0.0	5771.6	0.0	0.0	0.0
33.35	180.2	0.0	-6857.2	0.0	0.0	0.0
33.36	180.2	0.0	-3624.6	0.0	0.0	0.0
33.37	180.2	0.0	2865.9	0.0	0.0	0.0
33.38	180.2	0.0	6098.5	0.0	0.0	0.0
33.39	180.2	0.0	-5744.8	0.0	0.0	0.0
33.40	180.2	0.0	2851.5	0.0	0.0	0.0
33.41	180.2	0.0	-3610.3	0.0	0.0	0.0
33.42	180.2	0.0	4986.1	0.0	0.0	0.0
33.43	180.2	0.0	-6136.0	0.0	0.0	0.0
33.44	180.2	0.0	2460.3	0.0	0.0	0.0
33.45	180.2	0.0	-3219.1	0.0	0.0	0.0
33.46	180.2	0.0	5377.3	0.0	0.0	0.0
33.47	180.2	0.0	-6834.3	0.0	0.0	0.0
33.48	180.2	0.0	3941.0	0.0	0.0	0.0
33.49	180.2	0.0	-4699.8	0.0	0.0	0.0
33.50	180.2	0.0	6075.5	0.0	0.0	0.0
33.51	180.2	0.0	-7225.5	0.0	0.0	0.0
33.52	180.2	0.0	3549.8	0.0	0.0	0.0
33.53	180.2	0.0	-4308.6	0.0	0.0	0.0
33.54	180.2	0.0	6466.7	0.0	0.0	0.0

Calcolo resistenze

Resistenza a taglio dei bulloni			$F_{vb,Rd} = 0.6 \cdot f_{tb} \cdot A_{res} / \gamma_{M2} =$			94097.0 N
Bull.	$F_{bp,x,Rd}$ [N]	$F_{ba,x,Rd}$ [N]	$F_{v,x,Rd}$ [N]	$F_{bp,y,Rd}$ [N]	$F_{ba,y,Rd}$ [N]	$F_{v,y,Rd}$ [N]
1	172000.0	61155.5	61155.5	172000.0	120400.0	94097.0
2	172000.0	120400.0	94097.0	172000.0	120400.0	94097.0

Legenda

$F_{bp,x,Rd} = k \cdot \alpha \cdot f_{tk} \cdot \emptyset \cdot t_c / \gamma_{M2}$ resistenza a rifollamento piastra in direzione x
 $F_{ba,x,Rd} = k \cdot \alpha \cdot f_{tk} \cdot \emptyset \cdot t_a / \gamma_{M2}$ resistenza a rifollamento asta elemento in direzione x
 $F_{v,x,Rd} = \min [F_{vb,Rd} , F_{bp,x,Rd} , F_{ba,x,Rd}]$ resistenza a taglio di progetto in direzione x
 $F_{bp,y,Rd} = k \cdot \alpha \cdot f_{tk} \cdot \emptyset \cdot t_c / \gamma_{M2}$ resistenza a rifollamento piastra in direzione y
 $F_{ba,y,Rd} = k \cdot \alpha \cdot f_{tk} \cdot \emptyset \cdot t_a / \gamma_{M2}$ resistenza a rifollamento asta elemento in direzione y
 $F_{v,y,Rd} = \min [F_{vb,Rd} , F_{bp,y,Rd} , F_{ba,y,Rd}]$ resistenza a taglio di progetto in direzione y

Verifiche a taglio sui bulloni (Nodo n. 33, CMB n. 51)

Bull.	X [mm]	Y [mm]	$F_{v,Ed}$ [N]	$F_{v,Rd}$ [N]	FV	VER
1	32.00	0.00	3613.9	61155.5	0.059093	Ok
2	80.00	0.00	3613.9	94097.0	0.038406	Ok

Legenda

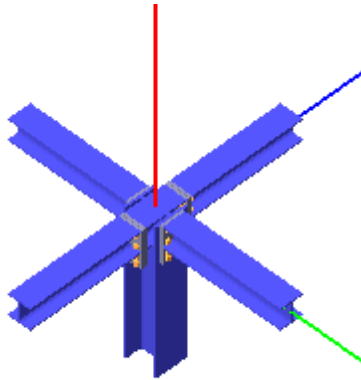
$F_{v,Ed}$ forza di taglio agente sul bullone
 $F_{v,Rd}$ resistenza a taglio di progetto del bullone
 $FV = F_{v,Ed} / F_{v,Rd}$
VER $\rightarrow FV \leq 1$

Verifica di resistenza controvento (Nodo n. 33, CMB n. 51)

La verifica viene eseguita considerando il massimo valore assoluto dello sforzo normale applicato.

Resistenza plastica della sezione lorda	$N_{pl,Rd} = A \cdot f_{yk} / \gamma_{M0} =$	534285.8 N
Resistenza a rottura della sezione netta	$N_{u,Rd} = 0.9 \cdot A_{net} \cdot f_{tk} / \gamma_{M2} =$	586072.8 N
Resistenza assiale di calcolo	$N_{t,Rd} = \min [N_{u,Rd} , N_{pl,Rd}] =$	534285.8 N
Azione assiale di progetto (compressione)	$N_{Ed} =$	7225.5 N
$N_{Ed} / N_{t,Rd} = 0.013524 \quad \text{Ok}$		

Verifica secondo il D.M. 17/01/2018 dei nodi: 40, 44



Colonna

Tipo di profilo: HEB 200

Materiale: Acciaio S275 $f_y = 275 \text{ N/mm}^2$ $f_t = 430 \text{ N/mm}^2$ $\gamma_{ov} = 1.25$

Classe sezione: 1

Coefficienti di sicurezza utilizzati

$\gamma_{M0} = 1.05$

$\gamma_{M1} = 1.10$

$\gamma_{M2} = 1.25$

Trave lato 2+

Tipo di profilo: HEA 140

Materiale: Acciaio S275 $f_y = 275 \text{ N/mm}^2$ $f_t = 430 \text{ N/mm}^2$ $\gamma_{ov} = 1.25$

Classe sezione: 1

Flangia:

Materiale: Acciaio S275 $f_y = 275 \text{ N/mm}^2$ $f_t = 430 \text{ N/mm}^2$ $\gamma_{ov} = 1.25$

Dimensioni (B x H x Sp): 140.0 x 230.0 x 15.0 mm

Spessore nervature verticali: 5.0 mm

Bullonature:

Viti cl. 8.8 Dadi 8 o 10 ($f_{yb} = 640 \text{ N/mm}^2$, $f_{tb} = 800 \text{ N/mm}^2$)

Diametro gambo $\varnothing = 18 \text{ mm}$ $A_{res} = 190.9 \text{ mm}^2$ (ridotta per filettatura)

Diametro dado/testa $d_m = 27 \text{ mm}$

Diametro foro $\varnothing_0 = 19 \text{ mm}$

Rigidezza giunto (calcolata secondo EN 1993-1-8 : 2005 par. 6.3):

$S_{j,ini} = 21293000000 \text{ N mm / rad}$

Saldature:

Materiale: Acciaio S275 $f_y = 275 \text{ N/mm}^2$ $f_t = 430 \text{ N/mm}^2$ $\beta_1 = 0.70$ $\beta_2 = 0.85$

Spessore cordoni d'angolo $s_c = 8 \text{ mm}$

Sollecitazioni nella sezione d'attacco dell'elemento:

Nodo.CMB	V2 [N]	V3 [N]	N [N]	M2 [N mm]	M3 [N mm]	T [N mm]
40.1	3782.9	22.4	-677.1	-427963.0	-2582710.0	-988.0
40.2	5107.9	73.4	-848.4	-505794.0	-3427210.0	-1321.0
40.3	3547.0	120.5	-1646.0	-558792.0	-2446300.0	-982.0
40.4	4871.9	171.6	-1817.3	-636623.0	-3289810.0	-1315.0
40.5	2878.4	-24.7	-435.6	-356894.0	-2036160.0	-712.0
40.6	4203.3	26.3	-606.9	-434725.0	-2880670.0	-1045.0
40.7	2642.5	73.4	-1404.5	-487723.0	-1899750.0	-706.0
40.8	3967.4	124.4	-1575.8	-565554.0	-2743260.0	-1039.0
40.9	6432.8	124.4	-1019.7	-583625.0	-4270720.0	-1654.0

40.10	3617.7	91.1	-1355.3	-519543.0	-2487230.0	-984.0
40.11	6267.7	193.1	-1697.9	-675205.0	-4175230.0	-1650.0
40.12	5528.3	77.3	-778.2	-512556.0	-3724170.0	-1378.0
40.13	2713.2	44.0	-1113.8	-448474.0	-1940680.0	-708.0
40.14	5363.1	146.0	-1456.4	-604136.0	-3628690.0	-1374.0
40.15	4122.6	-79.7	-561.2	-536931.0	-2999740.0	-966.0
40.16	5447.5	-28.7	-732.5	-614762.0	-3843250.0	-1299.0
40.17	3957.4	-11.0	-1239.4	-628510.0	-2904260.0	-962.0
40.18	5282.4	40.0	-1410.7	-706341.0	-3747760.0	-1295.0
40.19	3218.0	-126.9	-319.7	-465862.0	-2453200.0	-690.0
40.20	4543.0	-75.8	-491.0	-543693.0	-3297700.0	-1023.0
40.21	3052.9	-58.2	-997.9	-557442.0	-2357710.0	-686.0
40.22	4377.9	-7.1	-1169.3	-635273.0	-3201210.0	-1019.0
40.23	7342.6	-31.5	-922.4	174179.0	-7553740.0	-645.0
40.24	6064.7	-530.3	-1339.6	866840.1	-5970530.0	-169.0
40.25	-1252.8	834.0	-317.9	-1317000.0	3095720.0	-1364.0
40.26	-2530.6	335.2	-735.1	-624733.0	4679940.0	-888.0
40.27	7340.4	-26.4	-918.7	153906.0	-7552960.0	-622.0
40.28	6066.9	-535.4	-1343.3	887113.0	-5972310.0	-192.0
40.29	-1255.0	839.1	-314.2	-1338000.0	3097500.0	-1341.0
40.30	-2528.4	330.1	-738.8	-604460.0	4678160.0	-911.0
40.31	6043.8	1225.5	-1150.3	-1851000.0	-5942620.0	-308.0
40.32	4766.0	726.8	-1567.6	-1158000.0	-4358400.0	168.0
40.33	45.9	-423.1	-89.9	707610.0	1483590.0	-1701.0
40.34	-1231.9	-921.9	-507.2	1400000.0	3067810.0	-1225.0
40.35	6041.7	1230.7	-1146.7	-1871000.0	-5940830.0	-285.0
40.36	4768.2	721.6	-1571.3	-1138000.0	-4360180.0	145.0
40.37	43.7	-418.0	-86.2	687337.0	1485370.0	-1678.0
40.38	-1229.7	-927.0	-510.8	1421000.0	3066030.0	-1248.0
40.39	5825.0	853.3	-224.0	-1156000.0	-5674500.0	-1451.0
40.40	1565.6	-809.3	-1614.9	1153000.0	-395075.0	134.0
40.41	3246.4	1112.9	-42.6	-1603000.0	-2479360.0	-1667.0
40.42	-1013.0	-549.6	-1433.5	705422.0	2799700.0	-82.0
40.43	5435.4	1230.4	-292.4	-1763000.0	-5191460.0	-1350.0
40.44	1176.0	-432.2	-1683.3	545393.0	88437.0	235.0
40.45	3636.0	735.8	25.8	-995947.0	-2963400.0	-1768.0
40.46	-623.4	-926.7	-1365.1	1313000.0	2316660.0	-183.0
40.47	5817.7	870.4	-211.8	-1224000.0	-5669230.0	-1375.0
40.48	1572.9	-826.4	-1627.0	1220000.0	-400351.0	58.0
40.49	3239.1	1130.0	-30.5	-1671000.0	-2474090.0	-1591.0
40.50	-1005.7	-566.7	-1445.7	772999.0	2794430.0	-158.0
40.51	5428.1	1247.5	-280.2	-1831000.0	-5186190.0	-1274.0
40.52	1183.3	-449.3	-1695.4	612970.0	83161.0	159.0
40.53	3628.7	752.9	37.9	-1064000.0	-2958130.0	-1692.0
40.54	-616.1	-943.8	-1377.3	1380000.0	2311390.0	-259.0
44.1	4735.3	-117.6	595.2	-301202.0	-3898470.0	-1699.0
44.2	5965.7	-82.8	436.9	-349987.0	-4715430.0	-2288.0
44.3	4593.6	-71.8	683.4	-375978.0	-3708640.0	-1406.0
44.4	5824.0	-37.0	525.1	-424763.0	-4525600.0	-1995.0
44.5	3874.8	-150.1	718.2	-255170.0	-3367520.0	-1252.0
44.6	5105.3	-115.3	559.9	-303955.0	-4185470.0	-1841.0
44.7	3733.1	-104.3	806.4	-329946.0	-3177690.0	-959.0
44.8	4963.5	-69.5	648.1	-378731.0	-3995650.0	-1548.0
44.9	7196.2	-48.0	278.6	-398772.0	-5532380.0	-2877.0
44.10	4636.1	-85.5	656.9	-353545.0	-3765390.0	-1494.0
44.11	7097.0	-16.0	340.3	-451115.0	-5400300.0	-2672.0
44.12	6335.7	-80.6	401.6	-352740.0	-5002430.0	-2429.0
44.13	3775.6	-118.0	779.9	-307514.0	-3235440.0	-1046.0
44.14	6236.5	-48.5	463.3	-405083.0	-4869350.0	-2224.0
44.15	5805.5	-275.9	1288.0	-388596.0	-5215450.0	-1725.0
44.16	7035.9	-241.1	1129.6	-437381.0	-6032410.0	-2314.0

44.17	5706.3	-243.8	1349.7	-440939.0	-5082370.0	-1520.0
44.18	6936.7	-209.1	1191.4	-489724.0	-5899330.0	-2109.0
44.19	4945.0	-308.4	1410.9	-342565.0	-4684500.0	-1277.0
44.20	6175.4	-273.6	1252.6	-391349.0	-5501460.0	-1866.0
44.21	4845.8	-276.4	1472.7	-394908.0	-4551420.0	-1072.0
44.22	6076.2	-241.6	1314.4	-443692.0	-5368380.0	-1661.0
44.23	6162.5	67.6	1477.2	-39046.0	-5987750.0	-2154.0
44.24	9189.1	-186.2	493.6	294730.0	-9571090.0	-1644.0
44.25	-4550.5	384.7	-1123.4	-580458.0	6761950.0	-737.0
44.26	-1523.9	130.9	-2107.0	-246682.0	3180610.0	-227.0
44.27	6350.8	-201.0	1445.7	-54025.0	-6207920.0	-2163.0
44.28	9000.8	82.4	525.1	309709.0	-9349920.0	-1635.0
44.29	-4362.2	116.1	-1154.9	-595437.0	6541780.0	-746.0
44.30	-1712.2	399.5	-2075.5	-231703.0	3399780.0	-217.0
44.31	6561.4	-64.5	2102.6	285288.0	-6452860.0	-2318.0
44.32	9588.0	-318.2	1118.9	619063.0	-10031200.0	-1808.0
44.33	-4949.4	516.7	-1748.7	-904791.0	7227060.0	-573.0
44.34	-1922.8	263.0	-2732.4	-571016.0	3645720.0	-63.0
44.35	6749.8	-333.0	2071.0	270308.0	-6673021.0	-2327.0
44.36	9399.7	-49.7	1150.5	634043.0	-9810030.0	-1799.0
44.37	-4761.1	248.2	-1780.3	-919771.0	7006890.0	-582.0
44.38	-2111.1	531.5	-2700.8	-556036.0	3864890.0	-54.0
44.39	-1118.0	474.6	1714.6	-617945.0	2652200.0	-2253.0
44.40	8970.6	-371.2	-1564.2	494640.0	-9282940.0	-553.0
44.41	-4331.9	569.7	934.4	-780368.0	6477810.0	-1828.0
44.42	5756.7	-276.1	-2344.4	332217.0	-5460330.0	-128.0
44.43	-998.4	435.0	1902.2	-520645.0	2513160.0	-2302.0
44.44	9090.3	-410.8	-1376.6	591941.0	-9420970.0	-602.0
44.45	-4451.6	609.4	746.8	-877668.0	6616840.0	-1779.0
44.46	5637.0	-236.5	-2532.0	234917.0	-5321300.0	-79.0
44.47	-490.3	-420.6	1609.4	-667876.0	1920970.0	-2284.0
44.48	8342.9	524.0	-1459.0	544572.0	-8553710.0	-522.0
44.49	-3704.2	-325.5	829.2	-830299.0	5745580.0	-1859.0
44.50	5129.0	619.1	-2239.2	382148.0	-4729100.0	-97.0
44.51	-370.7	-460.2	1797.0	-570576.0	1780930.0	-2333.0
44.52	8462.6	484.4	-1271.4	641872.0	-8692740.0	-571.0
44.53	-3823.9	-285.8	641.6	-927599.0	5885610.0	-1810.0
44.54	5009.3	658.7	-2426.8	284848.0	-4589070.0	-48.0

Calcolo resistenze

Resistenza a trazione dei bulloni

$$F_{tb,Rd} = 0.9 \cdot f_{tb} \cdot A_{res} / \gamma_{M2} = 109930.6 \text{ N}$$

Resistenza a punzonamento flangia

$$B_{pf,Rd} = 0.6 \cdot \pi \cdot d_m \cdot t_f \cdot f_{tk} / \gamma_{M2} = 262612.0 \text{ N}$$

Resistenza a punzonamento ala passante

$$B_{pa,Rd} = 0.6 \cdot \pi \cdot d_m \cdot t_a \cdot f_{tk} / \gamma_{M2} = 262612.0 \text{ N}$$

Bull.	$F_{f,Rd} \text{ [N]}$	$F_{t,Rd} \text{ [N]}$
1	16465.3	16465.3
2	40208.9	40208.9
3	41860.1	41860.1
4	41727.1	41727.1
5	16465.3	16465.3
6	40208.9	40208.9
7	41860.1	41860.1
8	41727.1	41727.1

Legenda

$F_{f,Rd} = M_{res,m} / (B_m \cdot R_m)$ resistenza a flessione flangia

$F_{t,Rd} = \min [F_{tb,Rd} , B_{pf,Rd} , B_{pa,Rd} , F_{f,Rd}]$ resistenza a trazione di progetto

Resistenza a taglio dei bulloni

$$F_{vb,Rd} = 0.6 \cdot f_{tb} \cdot A_{res} / \gamma_{M2} = 73287.1 \text{ N}$$

Bull.	$F_{bf,x,Rd} \text{ [N]}$	$F_{ba,x,Rd} \text{ [N]}$	$F_{v,x,Rd} \text{ [N]}$	$F_{bf,y,Rd} \text{ [N]}$	$F_{ba,y,Rd} \text{ [N]}$	$F_{v,y,Rd} \text{ [N]}$
1	80830.5	224052.6	73287.1	80830.5	232200.0	73287.1
2	65822.2	144808.8	65822.2	99421.5	125265.8	73287.1
3	101842.1	224052.6	73287.1	147919.8	186371.0	73287.1

4	101842.1	224052.6	73287.1	113162.7	142578.9	73287.1
5	80830.5	224052.6	73287.1	80830.5	232200.0	73287.1
6	65822.2	144808.8	65822.2	99421.5	125265.8	73287.1
7	101842.1	224052.6	73287.1	147919.8	186371.0	73287.1
8	101842.1	224052.6	73287.1	113162.7	142578.9	73287.1

Legenda

$F_{bf,x,Rd} = k \cdot \alpha \cdot f_{tk} \cdot \emptyset \cdot t_f / \gamma_{M2}$ resistenza a rifollamento flangia in direzione x

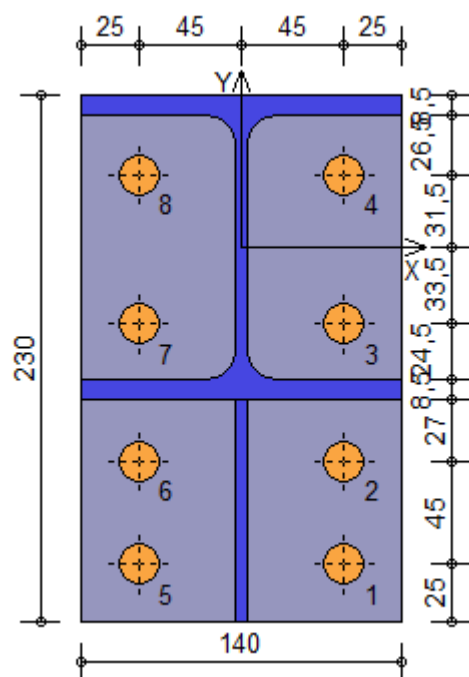
$F_{ba,x,Rd} = k \cdot \alpha \cdot f_{tk} \cdot \emptyset \cdot t_a / \gamma_{M2}$ resistenza a rifollamento ala passante in direzione x

$F_{v,x,Rd} = \min [F_{vb,Rd} , F_{bf,x,Rd} , F_{ba,x,Rd}]$ resistenza a taglio di progetto in direzione x

$F_{bf,y,Rd} = k \cdot \alpha \cdot f_{tk} \cdot \emptyset \cdot t_f / \gamma_{M2}$ resistenza a rifollamento flangia in direzione y

$F_{ba,y,Rd} = k \cdot \alpha \cdot f_{tk} \cdot \emptyset \cdot t_a / \gamma_{M2}$ resistenza a rifollamento ala passante in direzione y

$F_{v,y,Rd} = \min [F_{vb,Rd} , F_{bf,y,Rd} , F_{ba,y,Rd}]$ resistenza a taglio di progetto in direzione y



Verifiche sui bulloni

1-Taglio e trazione (Nodo n. 44, CMB n. 33)

Bull.	X [mm]	Y [mm]	$F_{v,Ed}$ [N]	$F_{v,Rd}$ [N]	$F_{t,Ed}$ [N]	$F_{t,Rd}$ [N]	FV_1	VER
1	45.00	-138.50	621.4	73287.1	10329.0	16465.3	0.456565	Ok
2	45.00	-93.50	621.5	73287.1	7268.0	40208.9	0.137592	Ok
3	45.00	-33.50	621.5	73287.1	3186.6	41860.1	0.062857	Ok
4	45.00	31.50	621.6	73287.1	0.0	41727.1	0.008482	Ok
5	-45.00	-138.50	622.5	73287.1	11672.6	16465.3	0.514865	Ok
6	-45.00	-93.50	622.5	73287.1	8611.6	40208.9	0.161474	Ok
7	-45.00	-33.50	622.6	73287.1	4530.2	41860.1	0.085797	Ok
8	-45.00	31.50	622.7	73287.1	108.7	41727.1	0.010358	Ok

2-Trazione (Nodo n. 44, CMB n. 33)

Bull.	X [mm]	Y [mm]	$F_{t,Ed}$ [N]	$F_{t,Rd}$ [N]	FV_2	VER
1	45.00	-138.50	10329.0	16465.3	0.627321	Ok
2	45.00	-93.50	7268.0	40208.9	0.180756	Ok
3	45.00	-33.50	3186.6	41860.1	0.076126	Ok
4	45.00	31.50	0.0	41727.1	0.000000	Ok
5	-45.00	-138.50	11672.6	16465.3	0.708920	Ok
6	-45.00	-93.50	8611.6	40208.9	0.214171	Ok
7	-45.00	-33.50	4530.2	41860.1	0.108223	Ok
8	-45.00	31.50	108.7	41727.1	0.002606	Ok

Legenda

$F_{v,Ed}$ forza di taglio agente sul bullone

$F_{v,Rd}$ resistenza a taglio di progetto del bullone

$F_{t,Ed}$ forza di trazione agente sul bullone

$F_{t,Rd}$ resistenza a trazione di progetto del bullone

$$FV_1 = F_{v,Ed} / F_{v,Rd} + F_{t,Ed} / (1.4 \cdot F_{t,Rd})$$

$$FV_2 = F_{t,Ed} / F_{t,Rd}$$

$$VER \rightarrow FV_i \leq 1$$

Verifiche sulle saldature profilo-flangia (versione beta)

Si considera la sezione di gola (avente altezza $a = s_c / 2^{0.5} = 5.657$) in posizione ribaltata: vengono considerate positive le tensioni normali di trazione e le tensioni tangenziali agenti verso destra e verso il basso. Tutte le tensioni sono espresse in N/mm².

Verifica formula (4.2.84) (Nodo n. 44, CMB n. 32)

Cordoni	Lung.[mm]	$n_{\perp}$	$t_{\perp}$	$\tau_{\parallel}$	FV ₁	VER ₁
Nervatura inferiore lato destro	89.0	-70.19	0.00	4.68	70.35	Ok
Nervatura inferiore lato sinistro	89.0	-70.19	0.00	4.68	70.35	Ok
Ala inferiore esterno	140.0	-40.84	0.00	-0.16	40.84	Ok
Ala inferiore interno lato destro	55.3	-21.14	0.00	-0.16	21.14	Ok
Ala inferiore interno lato sinistro	55.3	-34.74	0.00	-0.16	34.74	Ok
Anima lato destro	92.0	20.10	0.00	4.68	20.64	Ok
Anima lato sinistro	92.0	20.10	0.00	4.68	20.64	Ok
Ala superiore interno lato destro	55.3	35.29	0.00	-0.16	35.29	Ok
Ala superiore interno lato sinistro	55.3	21.68	0.00	-0.16	21.68	Ok

Verifica formula (4.2.85) (Nodo n. 44, CMB n. 32)

Cordoni	Lung.[mm]	$n_{\perp}$	$t_{\perp}$	$\tau_{\parallel}$	FV ₂	VER ₂
Nervatura inferiore lato destro	89.0	-70.19	0.00	4.68	70.19	Ok
Nervatura inferiore lato sinistro	89.0	-70.19	0.00	4.68	70.19	Ok
Ala inferiore esterno	140.0	-40.84	0.00	-0.16	40.84	Ok
Ala inferiore interno lato destro	55.3	-21.14	0.00	-0.16	21.14	Ok
Ala inferiore interno lato sinistro	55.3	-34.74	0.00	-0.16	34.74	Ok
Anima lato destro	92.0	20.10	0.00	4.68	20.10	Ok
Anima lato sinistro	92.0	20.10	0.00	4.68	20.10	Ok
Ala superiore interno lato destro	55.3	35.29	0.00	-0.16	35.29	Ok
Ala superiore interno lato sinistro	55.3	21.68	0.00	-0.16	21.68	Ok

Legenda

$n_{\perp}$ tensione normale perpendicolare all'asse del cordone

$t_{\perp}$ tensione tangenziale perpendicolare all'asse del cordone

$\tau_{\parallel}$ tensione tangenziale parallela all'asse del cordone

$$FV_1 = (n_{\perp}^2 + t_{\perp}^2 + \tau_{\parallel}^2)^{0.5}$$

$$FV_2 = |n_{\perp}| + |t_{\perp}|$$

$$VER_i \rightarrow FV_i \leq \beta_i \cdot f_{yk} \quad (\beta_1 \cdot f_{yk} = 192.50 \text{ N/mm}^2 \quad \beta_2 \cdot f_{yk} = 233.75 \text{ N/mm}^2)$$

Verifica del momento di progetto del giunto (Nodo n. 44, CMB n. 32)

$$\text{Momento resistente del giunto} \quad M_{j,Rd} = 29482160.0 \text{ N mm}$$

$$\text{Momento di progetto} \quad M_{j,Ed} = 10199210.0 \text{ N mm}$$

$$M_{j,Ed} / M_{j,Rd} = 0.345945 \quad \text{Ok}$$

Trave lato 2-

Tipo di profilo: HEA 140

Materiale: Acciaio S275 $f_y = 275 \text{ N/mm}^2$ $f_t = 430 \text{ N/mm}^2$ $\gamma_{ov} = 1.25$

Classe sezione: 1

Flangia:

Materiale: Acciaio S275 $f_y = 275 \text{ N/mm}^2$ $f_t = 430 \text{ N/mm}^2$ $\gamma_{ov} = 1.25$

Dimensioni (B x H x Sp): 140.0 x 230.0 x 15.0 mm

Spessore nervature verticali: 5.0 mm

Bullonature:

Viti cl. 8.8 Dadi 8 o 10 ($f_{yb} = 640 \text{ N/mm}^2$, $f_{tb} = 800 \text{ N/mm}^2$)

Diametro gambo $\varnothing = 18 \text{ mm}$ $A_{res} = 190.9 \text{ mm}^2$ (ridotta per filettatura)

Diametro dado/testa $d_m = 27 \text{ mm}$

Diametro foro $\varnothing_0 = 19 \text{ mm}$

Rigidezza giunto (calcolata secondo EN 1993-1-8 : 2005 par. 6.3):

$S_{j,ini} = 21293000000 \text{ N mm / rad}$

Saldature:

Materiale: Acciaio S275 $f_y = 275 \text{ N/mm}^2$ $f_t = 430 \text{ N/mm}^2$ $\beta_1 = 0.70$ $\beta_2 = 0.85$

Spessore cordoni d'angolo $s_c = 8 \text{ mm}$

Sollecitazioni nella sezione d'attacco dell'elemento:

Nodo.CMB	V2 [N]	V3 [N]	N [N]	M2 [N mm]	M3 [N mm]	T [N mm]
40.1	7310.8	569.7	-4136.7	-584471.0	-4990920.0	753.0
40.2	10439.5	611.3	-6347.2	-597726.0	-7317050.0	1022.0
40.3	7167.8	626.9	-2986.6	-624421.0	-4720220.0	739.0
40.4	10296.5	668.5	-5197.1	-637677.0	-7046350.0	1009.0
40.5	5199.5	531.2	-2910.9	-569951.0	-3469050.0	543.0
40.6	8328.2	572.8	-5121.4	-583206.0	-5795180.0	812.0
40.7	5056.5	588.3	-1760.8	-609901.0	-3199350.0	529.0
40.8	8185.2	629.9	-3971.3	-623156.0	-5525480.0	799.0
40.9	13568.1	653.0	-8557.7	-610981.0	-9643190.0	1292.0
40.10	7210.7	609.7	-3331.6	-612436.0	-4801930.0	743.0
40.11	13468.0	692.9	-7752.6	-638946.0	-9453200.0	1282.0
40.12	11456.9	614.4	-7331.9	-596461.0	-8121310.0	1082.0
40.13	5099.4	571.2	-2105.9	-597916.0	-3280060.0	533.0
40.14	11356.8	654.4	-6526.9	-624426.0	-7932321.0	1072.0
40.15	7142.1	852.9	-3882.3	-936705.9	-4695790.0	746.0
40.16	10270.8	894.5	-6092.9	-949961.1	-7021921.0	1016.0
40.17	7042.0	892.9	-3077.3	-964671.0	-4506800.0	737.0
40.18	10170.7	934.5	-5287.8	-977926.0	-6832930.0	1006.0
40.19	5030.9	814.4	-2656.6	-922186.1	-3173910.0	536.0
40.20	8159.6	856.0	-4867.1	-935441.0	-5500040.0	806.0
40.21	4930.8	854.4	-1851.6	-950151.0	-2984920.0	527.0
40.22	8059.5	896.0	-4062.1	-963405.9	-5311050.0	796.0
40.23	3088.2	2527.4	2378.2	-2422000.0	471113.0	490.0
40.24	3740.3	1243.0	617.2	-1191000.0	-682970.0	193.0
40.25	7520.9	-1001.6	-6948.9	1090000.0	-7334910.0	945.0
40.26	8173.1	-2286.0	-8709.9	2322000.0	-8488690.0	648.0
40.27	3087.6	2520.8	2327.0	-2398000.0	471998.0	477.0
40.28	3740.8	1249.6	668.3	-1215000.0	-683920.0	207.0
40.29	7520.4	-1008.1	-7000.0	1114000.0	-7333960.0	931.0
40.30	8173.6	-2279.4	-8658.8	2297000.0	-8489640.0	661.0
40.31	3762.9	3417.4	1127.8	-3268000.0	-715710.0	283.0
40.32	4415.1	2133.0	-633.2	-2036000.0	-1869490.0	-13.0
40.33	6846.2	-1891.6	-5698.5	1935000.0	-6148380.0	1151.0
40.34	7498.3	-3176.0	-7459.5	3167000.0	-7302171.0	855.0
40.35	3762.4	3410.9	1076.7	-3244000.0	-714760.0	270.0
40.36	4415.6	2139.6	-582.1	-2061000.0	-1870440.0	0.0
40.37	6845.7	-1898.2	-5749.6	1960000.0	-6147430.0	1138.0
40.38	7498.9	-3169.4	-7408.4	3143000.0	-7303110.0	868.0
40.39	3878.8	2790.7	1168.2	-2630000.0	-915120.0	995.0
40.40	6052.6	-1490.6	-4701.8	1475000.0	-4760740.0	6.0
40.41	5208.6	1732.0	-1630.0	-1576000.0	-3256140.0	1132.0
40.42	7382.5	-2549.3	-7499.9	2529000.0	-7102750.0	142.0
40.43	4081.2	3057.7	793.1	-2884000.0	-1270880.0	933.0
40.44	6255.1	-1223.6	-5076.9	1222000.0	-5116490.0	-56.0
40.45	5006.2	1465.0	-1254.8	-1323000.0	-2900380.0	1194.0
40.46	7180.0	-2816.3	-7124.8	2783000.0	-6746000.0	205.0
40.47	3877.1	2768.8	997.8	-2549000.0	-912290.1	951.0
40.48	6054.3	-1468.7	-4531.4	1395000.0	-4763570.0	51.0
40.49	5206.9	1710.1	-1800.3	-1496000.0	-3253310.0	1087.0
40.50	7384.2	-2527.4	-7329.5	2448000.0	-7105580.0	187.0
40.51	4079.5	3035.8	622.7	-2803000.0	-1268050.0	888.0

40.52	6256.8	-1201.7	-4906.5	1141000.0	-5119320.0	-11.0
40.53	5004.5	1443.1	-1425.2	-1242000.0	-2897550.0	1149.0
40.54	7181.7	-2794.4	-6954.4	2702000.0	-6749830.0	250.0
44.1	5590.4	451.6	-6966.5	-482957.0	-2987960.0	766.0
44.2	8221.0	409.9	-9358.0	-417479.0	-4890900.0	996.0
44.3	5661.1	467.1	-6898.6	-479843.0	-3110890.0	728.0
44.4	8291.7	425.4	-9290.0	-414364.0	-5014830.0	958.0
44.5	3790.7	482.5	-5204.8	-534146.0	-1724930.0	581.0
44.6	6421.3	440.8	-7596.2	-468667.0	-3627870.0	811.0
44.7	3861.4	498.1	-5136.8	-531032.0	-1847860.0	542.0
44.8	6492.0	456.4	-7528.2	-465553.0	-3751800.0	772.0
44.9	10851.5	368.2	-11749.4	-352000.0	-6793850.0	1226.0
44.10	5639.9	462.5	-6918.9	-480778.0	-3074010.0	739.0
44.11	10901.0	379.1	-11701.8	-349820.0	-6880900.0	1199.0
44.12	9051.8	399.1	-9987.6	-403188.0	-5531820.0	1041.0
44.13	3840.2	493.4	-5157.2	-531966.0	-1810980.0	554.0
44.14	9101.3	410.0	-9940.1	-401008.0	-5617870.0	1014.0
44.15	5008.6	829.8	-7353.5	-931805.9	-1969140.0	823.0
44.16	7639.1	788.1	-9744.9	-866326.9	-3872090.0	1053.0
44.17	5058.1	840.7	-7305.9	-929626.0	-2055190.0	796.0
44.18	7688.6	799.0	-9697.4	-864147.0	-3958140.0	1026.0
44.19	3208.9	860.8	-5591.8	-982995.0	-706109.9	637.0
44.20	5839.4	819.1	-7983.2	-917516.0	-2609060.0	867.0
44.21	3258.4	871.7	-5544.2	-980815.1	-792160.0	610.0
44.22	5888.9	830.0	-7935.6	-915336.1	-2695110.0	840.0
44.23	2994.6	1647.5	-4466.7	-1583000.0	-159373.0	864.0
44.24	1549.2	658.2	-3864.9	-575128.0	2347920.0	615.0
44.25	8154.5	-826.5	-5682.1	862845.0	-9153550.0	394.0
44.26	6709.0	-1815.8	-5080.3	1871000.0	-6646100.0	145.0
44.27	2907.9	1657.7	-4504.4	-1574000.0	-10945.0	864.0
44.28	1635.9	648.1	-3827.3	-584537.0	2199590.0	614.0
44.29	8067.8	-816.3	-5719.7	872255.0	-9005220.0	394.0
44.30	6795.7	-1825.9	-5042.6	1862000.0	-6794430.0	144.0
44.31	2795.8	2350.3	-3808.1	-2287000.0	177153.0	300.0
44.32	1350.4	1360.9	-3206.3	-1278000.0	2684040.0	51.0
44.33	8353.3	-1529.2	-6340.7	1566000.0	-9494670.0	958.0
44.34	6907.8	-2518.5	-5738.9	2574000.0	-6983221.0	709.0
44.35	2709.1	2360.4	-3845.7	-2277000.0	325582.0	300.0
44.36	1437.1	1350.8	-3168.7	-1288000.0	2535710.0	50.0
44.37	8266.6	-1519.1	-6378.3	1575000.0	-9343340.0	958.0
44.38	6994.5	-2528.7	-5701.3	2565000.0	-7131550.0	708.0
44.39	6486.9	1935.9	-5594.2	-1904000.0	-6232310.0	990.0
44.40	1668.8	-1361.9	-3588.2	1457000.0	2124880.0	160.0
44.41	8034.9	1193.7	-5958.8	-1170000.0	-8930510.0	849.0
44.42	3216.7	-2104.1	-3952.8	2191000.0	-573581.9	19.0
44.43	6427.3	2146.7	-5396.6	-2115000.0	-6131270.0	820.0
44.44	1609.1	-1151.1	-3390.6	1247000.0	2225910.0	-9.0
44.45	8094.5	982.9	-6156.4	-958798.1	-9031550.0	1018.0
44.46	3276.4	-2315.0	-4150.4	2402000.0	-674359.9	188.0
44.47	6197.9	1969.7	-5719.6	-1872000.0	-5737210.0	992.0
44.48	1957.8	-1395.7	-3462.8	1426000.0	1629780.0	157.0
44.49	7745.9	1227.5	-6084.2	-1138000.0	-8435410.0	851.0
44.50	3505.7	-2137.9	-3827.4	2160000.0	-1068430.0	16.0
44.51	6138.3	2180.5	-5522.0	-2083000.0	-5636170.0	823.0
44.52	1898.1	-1184.9	-3265.2	1215000.0	1730810.0	-12.0
44.53	7805.5	1016.6	-6281.8	-927433.0	-8536450.0	1020.0
44.54	3565.4	-2348.7	-4025.0	2371000.0	-1169460.0	186.0

Calcolo resistenze

Resistenza a trazione dei bulloni

$$F_{tb,Rd} = 0.9 \cdot f_{tb} \cdot A_{res} / \gamma_{M2} =$$

109930.6 N

Resistenza a punzonamento flangia

$$B_{pf,Rd} = 0.6 \cdot \pi \cdot d_m \cdot t_f \cdot f_{tk} / \gamma_{M2} =$$

262612.0 N

Resistenza a punzonamento ala passante

$$B_{pa,Rd} = 0.6 \cdot \pi \cdot d_m \cdot t_a \cdot f_{tk} / \gamma_{M2} = 262612.0 \text{ N}$$

Bull.	$F_{f,Rd}$ [N]	$F_{t,Rd}$ [N]
1	16465.3	16465.3
2	40208.9	40208.9
3	41860.1	41860.1
4	41727.1	41727.1
5	16465.3	16465.3
6	40208.9	40208.9
7	41860.1	41860.1
8	41727.1	41727.1

Legenda

$F_{f,Rd} = M_{res,m} / (B_m \cdot R_m)$ resistenza a flessione flangia

$F_{t,Rd} = \min [F_{tb,Rd}, B_{pf,Rd}, B_{pa,Rd}, F_{f,Rd}]$ resistenza a trazione di progetto

Resistenza a taglio dei bulloni

$$F_{vb,Rd} = 0.6 \cdot f_{tb} \cdot A_{res} / \gamma_{M2} = 73287.1 \text{ N}$$

Bull.	$F_{bf,x,Rd}$ [N]	$F_{ba,x,Rd}$ [N]	$F_{v,x,Rd}$ [N]	$F_{bf,y,Rd}$ [N]	$F_{ba,y,Rd}$ [N]	$F_{v,y,Rd}$ [N]
1	80830.5	224052.6	73287.1	80830.5	232200.0	73287.1
2	65822.2	144808.8	65822.2	99421.5	125265.8	73287.1
3	101842.1	224052.6	73287.1	147919.8	186371.0	73287.1
4	101842.1	224052.6	73287.1	113162.7	142578.9	73287.1
5	80830.5	224052.6	73287.1	80830.5	232200.0	73287.1
6	65822.2	144808.8	65822.2	99421.5	125265.8	73287.1
7	101842.1	224052.6	73287.1	147919.8	186371.0	73287.1
8	101842.1	224052.6	73287.1	113162.7	142578.9	73287.1

Legenda

$F_{bf,x,Rd} = k \cdot \alpha \cdot f_{tk} \cdot \emptyset \cdot t_f / \gamma_{M2}$ resistenza a rifollamento flangia in direzione x

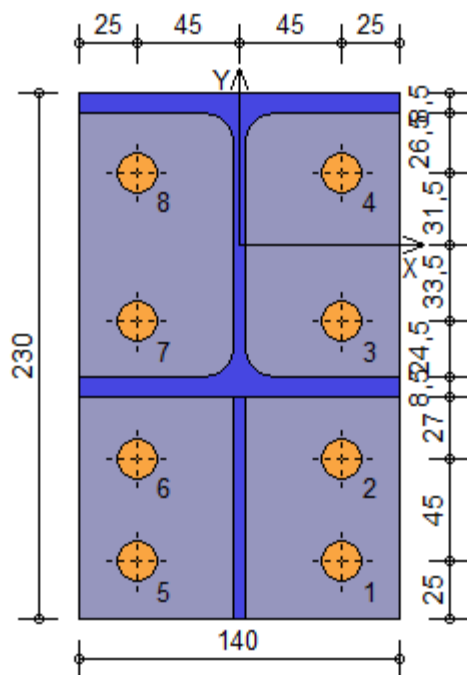
$F_{ba,x,Rd} = k \cdot \alpha \cdot f_{tk} \cdot \emptyset \cdot t_a / \gamma_{M2}$ resistenza a rifollamento ala passante in direzione x

$F_{v,x,Rd} = \min [F_{vb,Rd}, F_{bf,x,Rd}, F_{ba,x,Rd}]$ resistenza a taglio di progetto in direzione x

$F_{bf,y,Rd} = k \cdot \alpha \cdot f_{tk} \cdot \emptyset \cdot t_f / \gamma_{M2}$ resistenza a rifollamento flangia in direzione y

$F_{ba,y,Rd} = k \cdot \alpha \cdot f_{tk} \cdot \emptyset \cdot t_a / \gamma_{M2}$ resistenza a rifollamento ala passante in direzione y

$F_{v,y,Rd} = \min [F_{vb,Rd}, F_{bf,y,Rd}, F_{ba,y,Rd}]$ resistenza a taglio di progetto in direzione y



Verifiche sui bulloni

1-Taglio e trazione (Nodo n. 40, CMB n. 31)

Bull.	X [mm]	Y [mm]	$F_{v,Ed}$ [N]	$F_{v,Rd}$ [N]	$F_{t,Ed}$ [N]	$F_{t,Rd}$ [N]	FV_1	VER
1	45.00	-138.50	635.5	73287.1	0.0	16465.3	0.008671	Ok
2	45.00	-93.50	635.3	73287.1	0.0	40208.9	0.008669	Ok
3	45.00	-33.50	635.1	73287.1	199.6	41860.1	0.012071	Ok

4	45.00	31.50	634.8	73287.1	691.5	41727.1	0.020499	Ok
5	-45.00	-138.50	635.9	73287.1	7190.2	16465.3	0.320595	Ok
6	-45.00	-93.50	635.7	73287.1	7530.7	40208.9	0.142453	Ok
7	-45.00	-33.50	635.5	73287.1	7984.8	41860.1	0.144922	Ok
8	-45.00	31.50	635.2	73287.1	8476.8	41727.1	0.153773	Ok

2-Trazione (Nodo n. 40, CMB n. 31)

Bull.	X [mm]	Y [mm]	F _{t,Ed} [N]	F _{t,Rd} [N]	FV ₂	VER
1	45.00	-138.50	0.0	16465.3	0.000000	Ok
2	45.00	-93.50	0.0	40208.9	0.000000	Ok
3	45.00	-33.50	199.6	41860.1	0.004767	Ok
4	45.00	31.50	691.5	41727.1	0.016572	Ok
5	-45.00	-138.50	7190.2	16465.3	0.436686	Ok
6	-45.00	-93.50	7530.7	40208.9	0.187290	Ok
7	-45.00	-33.50	7984.8	41860.1	0.190751	Ok
8	-45.00	31.50	8476.8	41727.1	0.203148	Ok

Legenda

F_{v,Ed} forza di taglio agente sul bullone

F_{v,Rd} resistenza a taglio di progetto del bullone

F_{t,Ed} forza di trazione agente sul bullone

F_{t,Rd} resistenza a trazione di progetto del bullone

$FV_1 = F_{v,Ed} / F_{v,Rd} + F_{t,Ed} / (1.4 \cdot F_{t,Rd})$

$FV_2 = F_{t,Ed} / F_{t,Rd}$

VER → $FV_i \leq 1$

Verifiche sulle saldature profilo-flangia (versione beta)

Si considera la sezione di gola (avente altezza $a = s_c / 2^{0.5} = 5.657$) in posizione ribaltata: vengono considerate positive le tensioni normali di trazione e le tensioni tangenziali agenti verso destra e verso il basso. Tutte le tensioni sono espresse in N/mm².

Verifica formula (4.2.84) (Nodo n. 40, CMB n. 34)

Cordoni	Lung.[mm]	n _⊥	t _⊥	τ	FV ₁	VER ₁
Nervatura inferiore lato destro	89.0	-53.12	0.00	3.66	53.25	Ok
Nervatura inferiore lato sinistro	89.0	-53.12	0.00	3.66	53.25	Ok
Ala inferiore esterno	140.0	-81.06	0.00	-1.56	81.08	Ok
Ala inferiore interno lato destro	55.3	38.35	0.00	-1.56	38.38	Ok
Ala inferiore interno lato sinistro	55.3	-76.62	0.00	-1.56	76.64	Ok
Anima lato destro	92.0	-16.26	0.00	3.66	16.66	Ok
Anima lato sinistro	92.0	-16.26	0.00	3.66	16.66	Ok
Ala superiore interno lato destro	55.3	72.97	0.00	-1.56	72.99	Ok
Ala superiore interno lato sinistro	55.3	-42.00	0.00	-1.56	42.03	Ok

Verifica formula (4.2.85) (Nodo n. 40, CMB n. 34)

Cordoni	Lung.[mm]	n _⊥	t _⊥	τ	FV ₂	VER ₂
Nervatura inferiore lato destro	89.0	-53.12	0.00	3.66	53.12	Ok
Nervatura inferiore lato sinistro	89.0	-53.12	0.00	3.66	53.12	Ok
Ala inferiore esterno	140.0	-81.06	0.00	-1.56	81.06	Ok
Ala inferiore interno lato destro	55.3	38.35	0.00	-1.56	38.35	Ok
Ala inferiore interno lato sinistro	55.3	-76.62	0.00	-1.56	76.62	Ok
Anima lato destro	92.0	-16.26	0.00	3.66	16.26	Ok
Anima lato sinistro	92.0	-16.26	0.00	3.66	16.26	Ok
Ala superiore interno lato destro	55.3	72.97	0.00	-1.56	72.97	Ok
Ala superiore interno lato sinistro	55.3	-42.00	0.00	-1.56	42.00	Ok

Legenda

n_⊥ tensione normale perpendicolare all'asse del cordone

t_⊥ tensione tangenziale perpendicolare all'asse del cordone

τ_{||} tensione tangenziale parallela all'asse del cordone

$FV_1 = (n_{\perp}^2 + t_{\perp}^2 + \tau_{||}^2)^{0.5}$

$FV_2 = |n_{\perp}| + |t_{\perp}|$

VER_i → $FV_i \leq \beta_i \cdot f_{yk}$ ($\beta_1 \cdot f_{yk} = 192.50 \text{ N/mm}^2$ $\beta_2 \cdot f_{yk} = 233.75 \text{ N/mm}^2$)

Verifica del momento di progetto del giunto (Nodo n. 44, CMB n. 33)

Momento resistente del giunto $M_{j,Rd} = 29036410.0 \text{ N mm}$

Momento di progetto $M_{j,Ed} = 8554002.0 \text{ N mm}$
 $M_{j,Ed} / M_{j,Rd} = 0.294596 \text{ Ok}$

Trave lato 3+

Tipo di profilo: HEA 140

Materiale: Acciaio S275 $f_y = 275 \text{ N/mm}^2$ $f_t = 430 \text{ N/mm}^2$ $\gamma_{ov} = 1.25$

Classe sezione: 1

Flangia:

Materiale: Acciaio S275 $f_y = 275 \text{ N/mm}^2$ $f_t = 430 \text{ N/mm}^2$ $\gamma_{ov} = 1.25$

Dimensioni (B x H x Sp): 140.0 x 230.0 x 15.0 mm

Spessore nervature verticali: 5.0 mm

Bullonature:

Viti cl. 8.8 Dadi 8 o 10 ($f_{yb} = 640 \text{ N/mm}^2$, $f_{tb} = 800 \text{ N/mm}^2$)

Diametro gambo $\varnothing = 18 \text{ mm}$ $A_{res} = 190.9 \text{ mm}^2$ (ridotta per filettatura)

Diametro dado/testa $d_m = 27 \text{ mm}$

Diametro foro $\varnothing_0 = 19 \text{ mm}$

Rigidezza giunto (calcolata secondo EN 1993-1-8 : 2005 par. 6.3):

$S_{j,ini}$ non calcolabile

Saldature:

Materiale: Acciaio S275 $f_y = 275 \text{ N/mm}^2$ $f_t = 430 \text{ N/mm}^2$ $\beta_1 = 0.70$ $\beta_2 = 0.85$

Spessore cordoni d'angolo $s_c = 4 \text{ mm}$

Sollecitazioni nella sezione d'attacco dell'elemento:

Nodo.CMB	V2 [N]	V3 [N]	N [N]	M2 [N mm]	M3 [N mm]	T [N mm]
40.1	3376.8	-109.6	604.4	-22151.0	-2200560.0	784.0
40.2	4762.4	-163.4	1016.8	24281.0	-3061883.0	907.0
40.3	2918.2	-107.6	922.0	-49090.0	-1782993.0	1088.0
40.4	4303.8	-161.4	1334.3	-2658.0	-2645316.0	1211.0
40.5	2427.4	-71.7	236.0	-52088.0	-1589950.0	659.0
40.6	3812.9	-125.5	648.3	-5657.0	-2451288.0	782.0
40.7	1968.8	-69.7	553.5	-79027.0	-1172384.0	963.0
40.8	3354.4	-123.5	965.9	-32595.0	-2034707.0	1086.0
40.9	6147.9	-217.2	1429.1	70712.0	-3924220.0	1030.0
40.10	3055.8	-108.2	826.8	-41008.0	-1908660.0	997.0
40.11	5826.9	-215.8	1651.4	51855.0	-3632321.0	1243.0
40.12	5198.5	-179.3	1060.6	40775.0	-3313611.0	905.0
40.13	2106.4	-70.3	458.3	-70945.0	-1298051.0	872.0
40.14	4877.5	-177.9	1282.9	21918.0	-3021711.0	1118.0
40.15	3325.7	-85.7	103.3	-113973.0	-2171739.0	1014.0
40.16	4711.3	-139.5	515.6	-67541.0	-3033062.0	1137.0
40.17	3004.7	-84.4	325.6	-132830.0	-1879840.0	1227.0
40.18	4390.3	-138.2	737.9	-86398.0	-2742163.0	1350.0
40.19	2376.3	-47.9	-265.2	-143910.0	-1561130.0	889.0
40.20	3761.9	-101.7	147.1	-97478.0	-2422453.0	1012.0
40.21	2055.3	-46.5	-42.9	-162767.0	-1269230.0	1102.0
40.22	3440.9	-100.3	369.4	-116336.0	-2130554.0	1225.0
40.23	1884.4	-1690.0	760.4	1309000.0	-1164242.0	522.0
40.24	301.8	-973.8	-1056.0	653202.0	8751.9	1265.0
40.25	4695.1	754.8	3221.2	-488998.0	-3212339.0	-490.0
40.26	3112.6	1471.0	1404.8	-1145000.0	-2039680.0	253.0
40.27	1807.2	-1609.7	621.8	1207000.0	-1110088.0	561.0
40.28	378.9	-1054.1	-917.4	755364.0	-45508.6	1226.0
40.29	4618.0	835.1	3082.6	-591161.0	-3158171.0	-451.0
40.30	3189.7	1390.7	1543.4	-1042000.0	-2093847.0	214.0
40.31	880.9	-1703.9	-639.0	1378000.0	-414840.5	963.0
40.32	-701.6	-987.7	-2455.4	722794.0	758018.2	1706.0

40.33	5698.6	768.7	4620.7	-558590.0	-3961347.0	-931.0
40.34	4116.0	1484.9	2804.3	-1214000.0	-2788702.0	-188.0
40.35	803.8	-1623.6	-777.6	1276000.0	-360579.1	1002.0
40.36	-624.5	-1068.0	-2316.8	824955.9	703757.8	1667.0
40.37	5621.4	849.0	4482.1	-660753.0	-3907193.0	-892.0
40.38	4193.1	1404.6	2942.9	-1112000.0	-2842870.0	-227.0
40.39	4714.4	-1669.8	3740.8	1444000.0	-3249627.0	-698.0
40.40	-560.7	717.4	-2313.9	-740914.0	660229.6	1778.0
40.41	5557.7	-936.4	4479.1	905118.0	-3864143.0	-1002.0
40.42	282.5	1450.9	-1575.6	-1280000.0	45778.3	1474.0
40.43	4413.4	-1674.0	3321.0	1465000.0	-3024918.0	-566.0
40.44	-861.8	713.2	-2733.7	-720037.0	884917.1	1910.0
40.45	5858.7	-932.2	4898.9	884241.0	-4088853.0	-1134.0
40.46	583.5	1455.0	-1155.8	-1301000.0	-179004.3	1342.0
40.47	4457.3	-1402.2	3278.8	1104000.0	-3068750.0	-569.0
40.48	-303.6	449.8	-1851.8	-400374.0	479374.2	1648.0
40.49	5300.5	-668.8	4017.1	564578.0	-3683280.0	-873.0
40.50	539.6	1183.2	-1113.6	-939718.0	-135077.2	1345.0
40.51	4156.3	-1406.4	2859.0	1125000.0	-2844040.0	-437.0
40.52	-604.6	445.6	-2271.7	-379497.0	704156.7	1781.0
40.53	5601.6	-664.6	4436.9	543700.0	-3907976.0	-1005.0
40.54	840.7	1187.4	-693.8	-960596.0	-359846.6	1212.0
44.1	4893.3	-501.8	5108.5	1033000.0	-3974492.0	549.0
44.2	6842.2	-525.9	7185.5	1087000.0	-5458671.0	585.0
44.3	4897.5	-598.3	4427.2	1235000.0	-3975901.0	371.0
44.4	6846.4	-622.4	6504.2	1290000.0	-5460081.0	407.0
44.5	3536.6	-473.0	3401.3	969130.9	-2891108.0	537.0
44.6	5485.5	-497.1	5478.3	1024000.0	-4375287.0	573.0
44.7	3540.8	-569.4	2720.0	1172000.0	-2892518.0	359.0
44.8	5489.7	-593.5	4797.0	1226000.0	-4376698.0	395.0
44.9	8791.1	-550.0	9262.5	1142000.0	-6941851.0	621.0
44.10	4896.3	-569.3	4631.6	1174000.0	-3975070.0	424.0
44.11	8794.0	-617.5	8785.6	1283000.0	-6943443.0	496.0
44.12	7434.4	-521.2	7555.3	1078000.0	-5859467.0	609.0
44.13	3539.6	-540.5	2924.4	1111000.0	-2892686.0	412.0
44.14	7437.3	-588.7	7078.4	1220000.0	-5860060.0	484.0
44.15	4899.9	-765.4	4262.2	1565000.0	-3999564.0	882.0
44.16	6848.8	-789.5	6339.2	1619000.0	-5482744.0	918.0
44.17	4902.8	-832.9	3785.3	1706000.0	-4000157.0	757.0
44.18	6851.7	-857.0	5862.3	1761000.0	-5483337.0	793.0
44.19	3543.2	-736.5	2555.0	1501000.0	-2916181.0	869.0
44.20	5492.1	-760.6	4632.0	1556000.0	-4399360.0	905.0
44.21	3546.1	-804.0	2078.1	1643000.0	-2916773.0	745.0
44.22	5495.0	-828.1	4155.1	1697000.0	-4399953.0	781.0
44.23	3510.3	-1341.4	3702.8	2824000.0	-2623803.0	303.0
44.24	3146.0	-590.1	843.8	1258000.0	-1891987.0	1202.0
44.25	4169.0	391.4	8491.1	-824400.0	-4015256.0	-1197.0
44.26	3804.6	1142.7	5632.1	-2391000.0	-3284454.0	-298.0
44.27	3498.8	-1370.8	3595.0	2885000.0	-2603419.0	338.0
44.28	3157.5	-560.7	951.6	1197000.0	-1912371.0	1167.0
44.29	4157.4	362.0	8383.3	-763778.0	-3995885.0	-1162.0
44.30	3816.2	1172.1	5739.9	-2451000.0	-3303824.0	-333.0
44.31	3282.4	-2068.5	1478.4	4330000.0	-2185823.0	1084.0
44.32	2918.1	-1317.1	-1380.7	2763000.0	-1455007.0	1984.0
44.33	4396.9	1118.4	10715.6	-2330000.0	-4453236.0	-1978.0
44.34	4032.5	1869.8	7856.5	-3896000.0	-3722434.0	-1079.0
44.35	3270.9	-2097.9	1370.5	4390000.0	-2166439.0	1119.0
44.36	2929.7	-1287.7	-1272.9	2702000.0	-1474377.0	1948.0
44.37	4385.3	1089.0	10607.7	-2269000.0	-4433865.0	-1943.0
44.38	4044.1	1899.2	7964.3	-3957000.0	-3741804.0	-1114.0
44.39	4165.9	-1611.5	8714.3	3375000.0	-3963691.0	-1272.0

44.40	2951.4	893.0	-815.9	-1847000.0	-1526328.0	1727.0
44.41	4363.5	-1091.7	10150.8	2280000.0	-4380928.0	-1722.0
44.42	3149.0	1412.8	620.6	-2941000.0	-1943565.0	1277.0
44.43	4097.6	-1829.6	8046.9	3826000.0	-3832287.0	-1037.0
44.44	2883.1	674.8	-1483.2	-1395000.0	-1394924.0	1961.0
44.45	4431.9	-873.6	10818.1	1829000.0	-4512318.0	-1956.0
44.46	3217.4	1630.9	1287.9	-3393000.0	-2074955.0	1042.0
44.47	4127.4	-1709.5	8354.9	3577000.0	-3898101.0	-1155.0
44.48	2990.0	990.9	-456.5	-2049000.0	-1591905.0	1610.0
44.49	4325.0	-1189.6	9791.3	2482000.0	-4315338.0	-1605.0
44.50	3187.6	1510.8	980.0	-3143000.0	-2010142.0	1160.0
44.51	4059.0	-1927.6	7687.5	4028000.0	-3766711.0	-920.0
44.52	2921.6	772.8	-1123.8	-1597000.0	-1461515.0	1844.0
44.53	4393.4	-971.5	10458.7	2031000.0	-4446728.0	-1839.0
44.54	3255.9	1728.9	1647.3	-3595000.0	-2141546.0	925.0

Calcolo resistenze

Resistenza a trazione dei bulloni $F_{tb,Rd} = 0.9 \cdot f_{tb} \cdot A_{res} / \gamma_{M2} = 109930.6 \text{ N}$

Resistenza a punzonamento flangia $B_{pf,Rd} = 0.6 \cdot \pi \cdot d_m \cdot t_f \cdot f_{tk} / \gamma_{M2} = 262612.0 \text{ N}$

Bull.	$F_{f,Rd} \text{ [N]}$	$F_{t,Rd} \text{ [N]}$
1	16465.3	16465.3
2	40208.9	40208.9
3	41860.1	41860.1
4	41727.1	41727.1
5	16465.3	16465.3
6	40208.9	40208.9
7	41860.1	41860.1
8	41727.1	41727.1

Legenda

$F_{f,Rd} = M_{res,m} / (B_m \cdot R_m)$ resistenza a flessione flangia

$F_{t,Rd} = \min [F_{tb,Rd} , B_{pf,Rd} , F_{f,Rd}]$ resistenza a trazione di progetto

Resistenza a taglio dei bulloni $F_{vb,Rd} = 0.6 \cdot f_{tb} \cdot A_{res} / \gamma_{M2} = 73287.1 \text{ N}$

Bull.	$F_{bf,x,Rd} \text{ [N]}$	$F_{v,x,Rd} \text{ [N]}$	$F_{bf,y,Rd} \text{ [N]}$	$F_{v,y,Rd} \text{ [N]}$
1	80830.5	73287.1	80830.5	73287.1
2	65822.2	65822.2	99421.5	73287.1
3	101842.1	73287.1	147919.8	73287.1
4	101842.1	73287.1	113162.7	73287.1
5	80830.5	73287.1	80830.5	73287.1
6	65822.2	65822.2	99421.5	73287.1
7	101842.1	73287.1	147919.8	73287.1
8	101842.1	73287.1	113162.7	73287.1

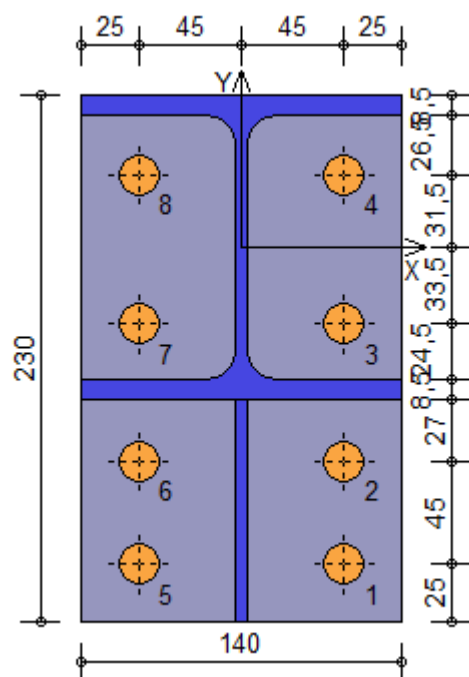
Legenda

$F_{bf,x,Rd} = k \cdot \alpha \cdot f_{tk} \cdot \emptyset \cdot t_f / \gamma_{M2}$ resistenza a rifollamento flangia in direzione x

$F_{v,x,Rd} = \min [F_{vb,Rd} , F_{bf,x,Rd}]$ resistenza a taglio di progetto in direzione x

$F_{bf,y,Rd} = k \cdot \alpha \cdot f_{tk} \cdot \emptyset \cdot t_f / \gamma_{M2}$ resistenza a rifollamento flangia in direzione y

$F_{v,y,Rd} = \min [F_{vb,Rd} , F_{bf,y,Rd}]$ resistenza a taglio di progetto in direzione y



Verifiche sui bulloni

1-Taglio e trazione (Nodo n. 44, CMB n. 35)

Bull.	X [mm]	Y [mm]	$F_{v,Ed}$ [N]	$F_{v,Rd}$ [N]	$F_{t,Ed}$ [N]	$F_{t,Rd}$ [N]	FV_1	VER
1	45.00	-138.50	483.9	73287.1	8995.9	16465.3	0.396855	Ok
2	45.00	-93.50	484.4	73287.1	9865.9	40208.9	0.181872	Ok
3	45.00	-33.50	485.2	73287.1	11026.0	41860.1	0.194764	Ok
4	45.00	31.50	486.0	73287.1	12282.7	41727.1	0.216887	Ok
5	-45.00	-138.50	485.6	73287.1	0.0	16465.3	0.006626	Ok
6	-45.00	-93.50	486.2	73287.1	0.0	40208.9	0.006634	Ok
7	-45.00	-33.50	486.9	73287.1	538.2	41860.1	0.015828	Ok
8	-45.00	31.50	487.7	73287.1	1795.0	41727.1	0.037381	Ok

2-Trazione (Nodo n. 44, CMB n. 35)

Bull.	X [mm]	Y [mm]	$F_{t,Ed}$ [N]	$F_{t,Rd}$ [N]	FV_2	VER
1	45.00	-138.50	8995.9	16465.3	0.546354	Ok
2	45.00	-93.50	9865.9	40208.9	0.245367	Ok
3	45.00	-33.50	11026.0	41860.1	0.263401	Ok
4	45.00	31.50	12282.7	41727.1	0.294358	Ok
5	-45.00	-138.50	0.0	16465.3	0.000000	Ok
6	-45.00	-93.50	0.0	40208.9	0.000000	Ok
7	-45.00	-33.50	538.2	41860.1	0.012858	Ok
8	-45.00	31.50	1795.0	41727.1	0.043016	Ok

Legenda

$F_{v,Ed}$ forza di taglio agente sul bullone
 $F_{v,Rd}$ resistenza a taglio di progetto del bullone
 $F_{t,Ed}$ forza di trazione agente sul bullone
 $F_{t,Rd}$ resistenza a trazione di progetto del bullone
 $FV_1 = F_{v,Ed} / F_{v,Rd} + F_{t,Ed} / (1.4 \cdot F_{t,Rd})$
 $FV_2 = F_{t,Ed} / F_{t,Rd}$
 $VER \rightarrow FV_i \leq 1$

Verifiche sulle saldature profilo-flangia (versione beta)

Si considera la sezione di gola (avente altezza $a = s_c / 2^{0.5} = 2.828$) in posizione ribaltata: vengono considerate positive le tensioni normali di trazione e le tensioni tangenziali agenti verso destra e verso il basso. Tutte le tensioni sono espresse in N/mm^2 .

Verifica formula (4.2.84) (Nodo n. 44, CMB n. 35)

Cordoni	Lung. [mm]	$n_{\perp}$	$t_{\perp}$	$\tau_{\parallel}$	FV_1	VER ₁
Nervatura inferiore lato destro	93.0	-29.42	0.00	3.13	29.58	Ok
Nervatura inferiore lato sinistro	93.0	-29.42	0.00	3.13	29.58	Ok

Ala inferiore esterno	140.0	-171.20	0.00	-2.05	171.21	Ok
Ala inferiore interno lato destro	55.3	149.62	0.00	-2.05	149.64	Ok
Ala inferiore interno lato sinistro	55.3	-169.12	0.00	-2.05	169.13	Ok
Anima lato destro	92.0	9.13	0.00	3.13	9.65	Ok
Anima lato sinistro	92.0	9.13	0.00	3.13	9.65	Ok
Ala superiore interno lato destro	55.3	170.44	0.00	-2.05	170.46	Ok
Ala superiore interno lato sinistro	55.3	-148.30	0.00	-2.05	148.31	Ok

Verifica formula (4.2.85) (Nodo n. 44, CMB n. 35)

Cordoni	Lung.[mm]	$n_{\perp}$	$t_{\perp}$	$\tau_{\parallel}$	FV ₂	VER ₂
Nervatura inferiore lato destro	93.0	-29.42	0.00	3.13	29.42	Ok
Nervatura inferiore lato sinistro	93.0	-29.42	0.00	3.13	29.42	Ok
Ala inferiore esterno	140.0	-171.20	0.00	-2.05	171.20	Ok
Ala inferiore interno lato destro	55.3	149.62	0.00	-2.05	149.62	Ok
Ala inferiore interno lato sinistro	55.3	-169.12	0.00	-2.05	169.12	Ok
Anima lato destro	92.0	9.13	0.00	3.13	9.13	Ok
Anima lato sinistro	92.0	9.13	0.00	3.13	9.13	Ok
Ala superiore interno lato destro	55.3	170.44	0.00	-2.05	170.44	Ok
Ala superiore interno lato sinistro	55.3	-148.30	0.00	-2.05	148.30	Ok

Legenda

$n_{\perp}$ tensione normale perpendicolare all'asse del cordone

$t_{\perp}$ tensione tangenziale perpendicolare all'asse del cordone

$\tau_{\parallel}$ tensione tangenziale parallela all'asse del cordone

$$FV_1 = (n_{\perp}^2 + t_{\perp}^2 + \tau_{\parallel}^2)^{0.5}$$

$$FV_2 = |n_{\perp}| + |t_{\perp}|$$

$$VER_i \rightarrow FV_i \leq \beta_i \cdot f_{yk} \quad (\beta_1 \cdot f_{yk} = 192.50 \text{ N/mm}^2 \quad \beta_2 \cdot f_{yk} = 233.75 \text{ N/mm}^2)$$

Verifica del momento di progetto del giunto (Nodo n. 44, CMB n. 35)

Momento resistente del giunto $M_{j,Rd} = 14658080.0 \text{ N mm}$

Momento di progetto $M_{j,Ed} = 4390000.0 \text{ N mm}$

$$M_{j,Ed} / M_{j,Rd} = 0.299493 \quad \text{Ok}$$

Trave lato 3-

Tipo di profilo: HEA 140

Materiale: Acciaio S275 $f_y = 275 \text{ N/mm}^2$ $f_t = 430 \text{ N/mm}^2$ $\gamma_{ov} = 1.25$

Classe sezione: 1

Flangia:

Materiale: Acciaio S275 $f_y = 275 \text{ N/mm}^2$ $f_t = 430 \text{ N/mm}^2$ $\gamma_{ov} = 1.25$

Dimensioni (B x H x Sp): 140.0 x 230.0 x 15.0 mm

Spessore nervature verticali: 5.0 mm

Bullonature:

Viti cl. 8.8 Dadi 8 o 10 ($f_{yb} = 640 \text{ N/mm}^2$, $f_{tb} = 800 \text{ N/mm}^2$)

Diametro gambo $\varnothing = 18 \text{ mm}$ $A_{res} = 190.9 \text{ mm}^2$ (ridotta per filettatura)

Diametro dado/testa $d_m = 27 \text{ mm}$

Diametro foro $\varnothing_0 = 19 \text{ mm}$

Rigidezza giunto (calcolata secondo EN 1993-1-8 : 2005 par. 6.3):

$S_{j,ini}$ non calcolabile

Saldature:

Materiale: Acciaio S275 $f_y = 275 \text{ N/mm}^2$ $f_t = 430 \text{ N/mm}^2$ $\beta_1 = 0.70$ $\beta_2 = 0.85$

Spessore cordoni d'angolo $s_c = 4 \text{ mm}$

Sollecitazioni nella sezione d'attacco dell'elemento:

Nodo.CMB	V2 [N]	V3 [N]	N [N]	M2 [N mm]	M3 [N mm]	T [N mm]
40.1	3035.1	-501.8	5108.5	1025000.0	-426623.4	549.0
40.2	4366.3	-525.9	7185.5	1069000.0	-730534.9	585.0
40.3	3030.9	-598.3	4427.2	1218000.0	-411616.6	371.0

40.4	4362.1	-622.4	6504.2	1262000.0	-716124.9	407.0
40.5	2175.3	-473.0	3401.3	970037.0	-292100.3	537.0
40.6	3506.4	-497.1	5478.3	1014000.0	-596350.8	573.0
40.7	2171.1	-569.4	2720.0	1163000.0	-277093.5	359.0
40.8	3502.2	-593.5	4797.0	1207000.0	-580940.9	395.0
40.9	5697.4	-550.0	9262.5	1114000.0	-1034515.0	621.0
40.10	3032.2	-569.3	4631.6	1160000.0	-416112.9	424.0
40.11	5694.4	-617.5	8785.6	1249000.0	-1023937.0	496.0
40.12	4837.5	-521.2	7555.3	1059000.0	-900331.3	609.0
40.13	2172.4	-540.5	2924.4	1105000.0	-281589.8	412.0
40.14	4834.6	-588.7	7078.4	1194000.0	-889738.7	484.0
40.15	3028.6	-765.4	4262.2	1573000.0	-425862.7	882.0
40.16	4359.7	-789.5	6339.2	1618000.0	-730462.2	918.0
40.17	3025.6	-832.9	3785.3	1708000.0	-415366.2	757.0
40.18	4356.8	-857.0	5862.3	1753000.0	-719869.6	793.0
40.19	2168.8	-736.5	2555.0	1518000.0	-291339.6	869.0
40.20	3499.9	-760.6	4632.0	1563000.0	-595264.1	905.0
40.21	2165.8	-804.0	2078.1	1654000.0	-280844.1	745.0
40.22	3496.9	-828.1	4155.1	1698000.0	-584685.6	781.0
40.23	2420.3	-1341.4	3702.8	2676000.0	-545846.9	303.0
40.24	2784.6	-590.1	843.8	1161000.0	-1206764.0	1202.0
40.25	1761.6	391.4	8491.1	-780160.0	585816.8	-1197.0
40.26	2126.0	1142.7	5632.1	-2295000.0	-75077.0	-298.0
40.27	2431.9	-1370.8	3595.0	2736000.0	-570149.0	338.0
40.28	2773.1	-560.7	951.6	1102000.0	-1182380.0	1167.0
40.29	1773.2	362.0	8383.3	-720350.0	561514.6	-1162.0
40.30	2114.4	1172.1	5739.9	-2355000.0	-50774.8	-333.0
40.31	2648.2	-2068.5	1478.4	4152000.0	-976927.9	1084.0
40.32	3012.5	-1317.1	-1380.7	2637000.0	-1637744.0	1984.0
40.33	1533.8	1118.4	10715.6	-2256000.0	1016899.0	-1978.0
40.34	1898.1	1869.8	7856.5	-3771000.0	355991.0	-1079.0
40.35	2659.7	-2097.9	1370.5	4212000.0	-1001312.0	1119.0
40.36	3000.9	-1287.7	-1272.9	2577000.0	-1613374.0	1948.0
40.37	1545.3	1089.0	10607.7	-2196000.0	992582.6	-1943.0
40.38	1886.5	1899.2	7964.3	-3831000.0	380293.3	-1114.0
40.39	1764.7	-1611.5	8714.3	3234000.0	621289.4	-1272.0
40.40	2979.2	893.0	-815.9	-1816000.0	-1581422.0	1727.0
40.41	1567.1	-1091.7	10150.8	2197000.0	960789.6	-1722.0
40.42	2781.6	1412.8	620.6	-2853000.0	-1242185.0	1277.0
40.43	1833.0	-1829.6	8046.9	3677000.0	491958.5	-1037.0
40.44	3047.5	674.8	-1483.2	-1373000.0	-1710826.0	1961.0
40.45	1498.7	-873.6	10818.1	1754000.0	1090105.0	-1956.0
40.46	2713.2	1630.9	1287.9	-3295000.0	-1112795.0	1042.0
40.47	1803.2	-1709.5	8354.9	3433000.0	540258.6	-1155.0
40.48	2940.6	990.9	-456.5	-2015000.0	-1500846.0	1610.0
40.49	1605.6	-1189.6	9791.3	2396000.0	879758.8	-1605.0
40.50	2743.0	1510.8	980.0	-3052000.0	-1161609.0	1160.0
40.51	1871.6	-1927.6	7687.5	3876000.0	410941.8	-920.0
40.52	3009.0	772.8	-1123.8	-1572000.0	-1630236.0	1844.0
40.53	1537.3	-971.5	10458.7	1954000.0	1009089.0	-1839.0
40.54	2674.7	1728.9	1647.3	-3495000.0	-1032205.0	925.0
44.1	2628.4	388.1	16584.3	-631156.0	-1390710.0	-2149.0
44.2	3669.9	415.6	21991.9	-670942.0	-1970379.0	-2455.0
44.3	2597.6	431.2	16466.5	-700681.0	-1345037.0	-2585.0
44.4	3639.2	458.6	21874.2	-740466.0	-1924692.0	-2892.0
44.5	1884.4	362.7	12239.8	-593588.0	-974241.8	-1877.0
44.6	2926.0	390.2	17647.5	-633373.0	-1553897.0	-2184.0
44.7	1853.7	405.7	12122.0	-663113.0	-928555.2	-2313.0
44.8	2895.2	433.2	17529.7	-702898.0	-1508224.0	-2620.0
44.9	4711.4	443.1	27399.6	-710727.0	-2550048.0	-2762.0
44.10	2606.9	418.2	16501.8	-679823.0	-1358731.0	-2454.0

44.11	4689.9	473.2	27317.2	-759394.0	-2518069.0	-3067.0
44.12	3967.5	417.6	23055.2	-673159.0	-2133566.0	-2490.0
44.13	1862.9	392.8	12157.4	-642255.0	-942262.6	-2183.0
44.14	3946.0	447.8	22972.8	-721826.0	-2101587.0	-2796.0
44.15	2585.5	583.7	16928.6	-958665.1	-1311737.0	-2911.0
44.16	3627.0	611.2	22336.3	-998450.0	-1891407.0	-3217.0
44.17	2564.0	613.8	16846.1	-1007000.0	-1279758.0	-3216.0
44.18	3605.5	641.3	22253.8	-1047000.0	-1858427.0	-3523.0
44.19	1841.6	558.2	12584.1	-921097.0	-895255.2	-2639.0
44.20	2883.1	585.7	17991.8	-960882.0	-1474924.0	-2946.0
44.21	1820.1	588.4	12501.7	-969763.9	-863276.0	-2945.0
44.22	2861.6	615.9	17909.4	-1010000.0	-1441945.0	-3251.0
44.23	1942.8	102.6	13976.5	-82438.0	-989036.6	-518.0
44.24	1732.3	-109.9	12987.0	240217.0	-594144.9	1701.0
44.25	2291.4	269.8	11132.0	-478651.0	-1652058.0	-3387.0
44.26	2080.9	57.3	10142.5	-155996.0	-1257634.0	-1169.0
44.27	1925.1	114.8	14190.2	-105911.0	-956523.4	-521.0
44.28	1750.0	-122.1	12773.4	263689.0	-626225.0	1704.0
44.29	2273.7	282.0	11345.7	-502123.0	-1620545.0	-3391.0
44.30	2098.6	45.1	9928.9	-132524.0	-1290147.0	-1166.0
44.31	1807.6	4.2	14338.7	126933.0	-739107.3	705.0
44.32	1597.1	-208.3	13349.2	449588.0	-344646.5	2923.0
44.33	2426.6	368.2	10769.8	-688022.0	-1902063.0	-4610.0
44.34	2216.1	155.7	9780.3	-365367.0	-1507638.0	-2391.0
44.35	1789.8	16.4	14552.4	103461.0	-707041.1	701.0
44.36	1614.8	-220.5	13135.6	473060.0	-376726.6	2926.0
44.37	2408.9	380.4	10983.5	-711494.0	-1869550.0	-4613.0
44.38	2233.8	143.5	9566.7	-341895.0	-1539151.0	-2388.0
44.39	2310.4	409.1	14135.4	-597544.0	-1681389.0	-4111.0
44.40	1608.7	-299.3	10837.0	477973.0	-366252.7	3285.0
44.41	2414.9	459.2	13282.0	-716407.0	-1880707.0	-4971.0
44.42	1713.3	-249.2	9983.7	359109.0	-565371.3	2424.0
44.43	2269.8	379.5	14244.0	-534732.0	-1606093.0	-3744.0
44.44	1568.2	-328.8	10945.7	540784.0	-291394.9	3651.0
44.45	2455.5	488.7	13173.4	-779219.0	-1955002.0	-5338.0
44.46	1753.9	-219.6	9875.0	296298.0	-640215.1	2057.0
44.47	2251.3	449.7	14847.5	-675784.0	-1574692.0	-4121.0
44.48	1667.8	-340.0	10124.9	556213.0	-473173.2	3295.0
44.49	2355.9	499.9	13994.2	-794648.0	-1772996.0	-4982.0
44.50	1772.4	-289.8	9271.5	437350.0	-672291.8	2434.0
44.51	2210.7	420.2	14956.2	-612973.0	-1499397.0	-3754.0
44.52	1627.2	-369.5	10233.6	619025.0	-398329.4	3662.0
44.53	2396.4	529.4	13885.5	-857459.0	-1848306.0	-5349.0
44.54	1813.0	-260.3	9162.9	374538.0	-747273.5	2068.0

Calcolo resistenze

Resistenza a trazione dei bulloni

$$F_{tb,Rd} = 0.9 \cdot f_{tb} \cdot A_{res} / \gamma_{M2} = 109930.6 \text{ N}$$

Resistenza a punzonamento flangia

$$B_{pf,Rd} = 0.6 \cdot \pi \cdot d_m \cdot t_f \cdot f_{tk} / \gamma_{M2} = 262612.0 \text{ N}$$

Bull.	$F_{f,Rd} \text{ [N]}$	$F_{t,Rd} \text{ [N]}$
1	16465.3	16465.3
2	40208.9	40208.9
3	41860.1	41860.1
4	41727.1	41727.1
5	16465.3	16465.3
6	40208.9	40208.9
7	41860.1	41860.1
8	41727.1	41727.1

Legenda

$F_{f,Rd} = M_{res,m} / (B_m \cdot R_m)$ resistenza a flessione flangia

$F_{t,Rd} = \min [F_{tb,Rd} , B_{pf,Rd} , F_{f,Rd}]$ resistenza a trazione di progetto

Resistenza a taglio dei bulloni

$$F_{vb,Rd} = 0.6 \cdot f_{tb} \cdot A_{res} / \gamma_{M2} =$$

73287.1 N

Bull.	$F_{bf,x,Rd}$ [N]	$F_{v,x,Rd}$ [N]	$F_{bf,y,Rd}$ [N]	$F_{v,y,Rd}$ [N]
1	80830.5	73287.1	80830.5	73287.1
2	65822.2	65822.2	99421.5	73287.1
3	101842.1	73287.1	147919.8	73287.1
4	101842.1	73287.1	113162.7	73287.1
5	80830.5	73287.1	80830.5	73287.1
6	65822.2	65822.2	99421.5	73287.1
7	101842.1	73287.1	147919.8	73287.1
8	101842.1	73287.1	113162.7	73287.1

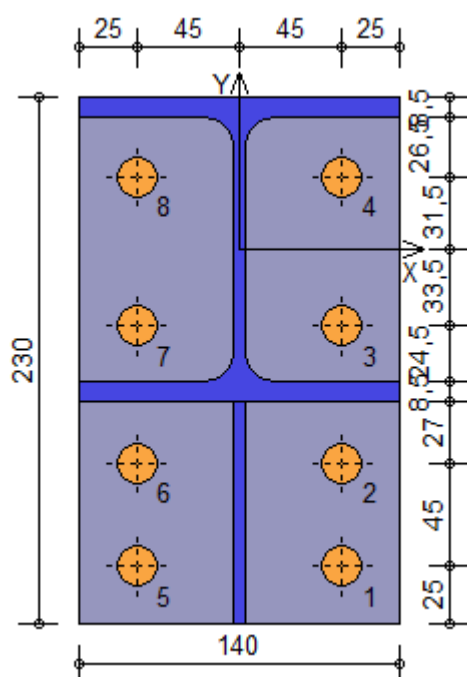
Legenda

$F_{bf,x,Rd} = k \cdot \alpha \cdot f_{tk} \cdot \varnothing \cdot t_f / \gamma_{M2}$ resistenza a rifollamento flangia in direzione x

$F_{v,x,Rd} = \min [F_{vb,Rd} , F_{bf,x,Rd}]$ resistenza a taglio di progetto in direzione x

$F_{bf,y,Rd} = k \cdot \alpha \cdot f_{tk} \cdot \varnothing \cdot t_f / \gamma_{M2}$ resistenza a rifollamento flangia in direzione y

$F_{v,y,Rd} = \min [F_{vb,Rd} , F_{bf,y,Rd}]$ resistenza a taglio di progetto in direzione y



Verifiche sui bulloni

1-Taglio e trazione (Nodo n. 40, CMB n. 51)

Bull.	X [mm]	Y [mm]	$F_{v,Ed}$ [N]	$F_{v,Rd}$ [N]	$F_{t,Ed}$ [N]	$F_{t,Rd}$ [N]	FV_1	VER
1	45.00	-138.50	337.5	73287.1	9900.8	16465.3	0.434115	Ok
2	45.00	-93.50	336.9	65822.2	10011.7	40208.9	0.182969	Ok
3	45.00	-33.50	336.1	73287.1	10159.5	41860.1	0.177944	Ok
4	45.00	31.50	335.2	73287.1	10319.6	41727.1	0.181225	Ok
5	-45.00	-138.50	336.3	73287.1	47.0	16465.3	0.006629	Ok
6	-45.00	-93.50	335.7	65822.2	157.9	40208.9	0.007905	Ok
7	-45.00	-33.50	334.9	73287.1	305.7	41860.1	0.009786	Ok
8	-45.00	31.50	334.0	73287.1	465.8	41727.1	0.012531	Ok

2-Trazione (Nodo n. 40, CMB n. 51)

Bull.	X [mm]	Y [mm]	$F_{t,Ed}$ [N]	$F_{t,Rd}$ [N]	FV_2	VER
1	45.00	-138.50	9900.8	16465.3	0.601313	Ok
2	45.00	-93.50	10011.7	40208.9	0.248991	Ok
3	45.00	-33.50	10159.5	41860.1	0.242701	Ok
4	45.00	31.50	10319.6	41727.1	0.247311	Ok
5	-45.00	-138.50	47.0	16465.3	0.002856	Ok
6	-45.00	-93.50	157.9	40208.9	0.003926	Ok
7	-45.00	-33.50	305.7	41860.1	0.007302	Ok
8	-45.00	31.50	465.8	41727.1	0.011163	Ok

Legenda

$F_{v,Ed}$ forza di taglio agente sul bullone
 $F_{v,Rd}$ resistenza a taglio di progetto del bullone
 $F_{t,Ed}$ forza di trazione agente sul bullone
 $F_{t,Rd}$ resistenza a trazione di progetto del bullone
 $FV_1 = F_{v,Ed} / F_{v,Rd} + F_{t,Ed} / (1.4 \cdot F_{t,Rd})$
 $FV_2 = F_{t,Ed} / F_{t,Rd}$
 $VER \rightarrow FV_i \leq 1$

Verifiche sulle saldature profilo-flangia (versione beta)

Si considera la sezione di gola (avente altezza $a = s_c / 2^{0.5} = 2.828$) in posizione ribaltata: vengono considerate positive le tensioni normali di trazione e le tensioni tangenziali agenti verso destra e verso il basso. Tutte le tensioni sono espresse in N/mm².

Verifica formula (4.2.84) (Nodo n. 40, CMB n. 35)

Cordoni	Lung.[mm]	$n_{\perp}$	$t_{\perp}$	$\tau_{\parallel}$	FV_1	VER_1
Nervatura inferiore lato destro	93.0	-13.24	0.00	2.54	13.48	Ok
Nervatura inferiore lato sinistro	93.0	-13.24	0.00	2.54	13.48	Ok
Ala inferiore esterno	140.0	-158.02	0.00	-2.05	158.03	Ok
Ala inferiore interno lato destro	55.3	148.76	0.00	-2.05	148.78	Ok
Ala inferiore interno lato sinistro	55.3	-157.06	0.00	-2.05	157.07	Ok
Anima lato destro	92.0	4.57	0.00	2.54	5.23	Ok
Anima lato sinistro	92.0	4.57	0.00	2.54	5.23	Ok
Ala superiore interno lato destro	55.3	158.38	0.00	-2.05	158.40	Ok
Ala superiore interno lato sinistro	55.3	-147.44	0.00	-2.05	147.45	Ok

Verifica formula (4.2.85) (Nodo n. 40, CMB n. 35)

Cordoni	Lung.[mm]	$n_{\perp}$	$t_{\perp}$	$\tau_{\parallel}$	FV_2	VER_2
Nervatura inferiore lato destro	93.0	-13.24	0.00	2.54	13.24	Ok
Nervatura inferiore lato sinistro	93.0	-13.24	0.00	2.54	13.24	Ok
Ala inferiore esterno	140.0	-158.02	0.00	-2.05	158.02	Ok
Ala inferiore interno lato destro	55.3	148.76	0.00	-2.05	148.76	Ok
Ala inferiore interno lato sinistro	55.3	-157.06	0.00	-2.05	157.06	Ok
Anima lato destro	92.0	4.57	0.00	2.54	4.57	Ok
Anima lato sinistro	92.0	4.57	0.00	2.54	4.57	Ok
Ala superiore interno lato destro	55.3	158.38	0.00	-2.05	158.38	Ok
Ala superiore interno lato sinistro	55.3	-147.44	0.00	-2.05	147.44	Ok

Legenda

$n_{\perp}$ tensione normale perpendicolare all'asse del cordone

$t_{\perp}$ tensione tangenziale perpendicolare all'asse del cordone

$\tau_{\parallel}$ tensione tangenziale parallela all'asse del cordone

$$FV_1 = (n_{\perp}^2 + t_{\perp}^2 + \tau_{\parallel}^2)^{0.5}$$

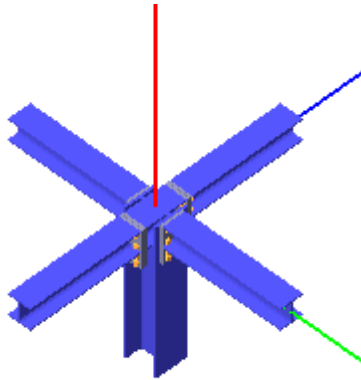
$$FV_2 = |n_{\perp}| + |t_{\perp}|$$

$$VER_i \rightarrow FV_i \leq \beta_i \cdot f_{yk} \quad (\beta_1 \cdot f_{yk} = 192.50 \text{ N/mm}^2 \quad \beta_2 \cdot f_{yk} = 233.75 \text{ N/mm}^2)$$

Verifica del momento di progetto del giunto (Nodo n. 40, CMB n. 35)

Momento resistente del giunto	$M_{j,Rd} =$	14871120.0 N mm
Momento di progetto	$M_{j,Ed} =$	4212000.0 N mm
$M_{j,Ed} / M_{j,Rd} = 0.283234 \quad \text{Ok}$		

Verifica secondo il D.M. 17/01/2018 dei nodi: 40, 44



Colonna

Tipo di profilo: HEB 200

Materiale: Acciaio S275 $f_y = 275 \text{ N/mm}^2$ $f_t = 430 \text{ N/mm}^2$ $\gamma_{ov} = 1.25$

Classe sezione: 1

Coefficienti di sicurezza utilizzati

$\gamma_{M0} = 1.05$

$\gamma_{M1} = 1.10$

$\gamma_{M2} = 1.25$

Trave lato 2+

Tipo di profilo: HEA 140

Materiale: Acciaio S275 $f_y = 275 \text{ N/mm}^2$ $f_t = 430 \text{ N/mm}^2$ $\gamma_{ov} = 1.25$

Classe sezione: 1

Flangia:

Materiale: Acciaio S275 $f_y = 275 \text{ N/mm}^2$ $f_t = 430 \text{ N/mm}^2$ $\gamma_{ov} = 1.25$

Dimensioni (B x H x Sp): 140.0 x 230.0 x 15.0 mm

Spessore nervature verticali: 5.0 mm

Bullonature:

Viti cl. 8.8 Dadi 8 o 10 ($f_{yb} = 640 \text{ N/mm}^2$, $f_{tb} = 800 \text{ N/mm}^2$)

Diametro gambo $\varnothing = 18 \text{ mm}$ $A_{res} = 190.9 \text{ mm}^2$ (ridotta per filettatura)

Diametro dado/testa $d_m = 27 \text{ mm}$

Diametro foro $\varnothing_0 = 19 \text{ mm}$

Rigidezza giunto (calcolata secondo EN 1993-1-8 : 2005 par. 6.3):

$S_{j,ini} = 21293000000 \text{ N mm / rad}$

Saldature:

Materiale: Acciaio S275 $f_y = 275 \text{ N/mm}^2$ $f_t = 430 \text{ N/mm}^2$ $\beta_1 = 0.70$ $\beta_2 = 0.85$

Spessore cordoni d'angolo $s_c = 8 \text{ mm}$

Sollecitazioni nella sezione d'attacco dell'elemento:

Nodo.CMB	V2 [N]	V3 [N]	N [N]	M2 [N mm]	M3 [N mm]	T [N mm]
40.1	3782.9	22.4	-677.1	-427963.0	-2582710.0	-988.0
40.2	5107.9	73.4	-848.4	-505794.0	-3427210.0	-1321.0
40.3	3547.0	120.5	-1646.0	-558792.0	-2446300.0	-982.0
40.4	4871.9	171.6	-1817.3	-636623.0	-3289810.0	-1315.0
40.5	2878.4	-24.7	-435.6	-356894.0	-2036160.0	-712.0
40.6	4203.3	26.3	-606.9	-434725.0	-2880670.0	-1045.0
40.7	2642.5	73.4	-1404.5	-487723.0	-1899750.0	-706.0
40.8	3967.4	124.4	-1575.8	-565554.0	-2743260.0	-1039.0
40.9	6432.8	124.4	-1019.7	-583625.0	-4270720.0	-1654.0

40.10	3617.7	91.1	-1355.3	-519543.0	-2487230.0	-984.0
40.11	6267.7	193.1	-1697.9	-675205.0	-4175230.0	-1650.0
40.12	5528.3	77.3	-778.2	-512556.0	-3724170.0	-1378.0
40.13	2713.2	44.0	-1113.8	-448474.0	-1940680.0	-708.0
40.14	5363.1	146.0	-1456.4	-604136.0	-3628690.0	-1374.0
40.15	4122.6	-79.7	-561.2	-536931.0	-2999740.0	-966.0
40.16	5447.5	-28.7	-732.5	-614762.0	-3843250.0	-1299.0
40.17	3957.4	-11.0	-1239.4	-628510.0	-2904260.0	-962.0
40.18	5282.4	40.0	-1410.7	-706341.0	-3747760.0	-1295.0
40.19	3218.0	-126.9	-319.7	-465862.0	-2453200.0	-690.0
40.20	4543.0	-75.8	-491.0	-543693.0	-3297700.0	-1023.0
40.21	3052.9	-58.2	-997.9	-557442.0	-2357710.0	-686.0
40.22	4377.9	-7.1	-1169.3	-635273.0	-3201210.0	-1019.0
40.23	7342.6	-31.5	-922.4	174179.0	-7553740.0	-645.0
40.24	6064.7	-530.3	-1339.6	866840.1	-5970530.0	-169.0
40.25	-1252.8	834.0	-317.9	-1317000.0	3095720.0	-1364.0
40.26	-2530.6	335.2	-735.1	-624733.0	4679940.0	-888.0
40.27	7340.4	-26.4	-918.7	153906.0	-7552960.0	-622.0
40.28	6066.9	-535.4	-1343.3	887113.0	-5972310.0	-192.0
40.29	-1255.0	839.1	-314.2	-1338000.0	3097500.0	-1341.0
40.30	-2528.4	330.1	-738.8	-604460.0	4678160.0	-911.0
40.31	6043.8	1225.5	-1150.3	-1851000.0	-5942620.0	-308.0
40.32	4766.0	726.8	-1567.6	-1158000.0	-4358400.0	168.0
40.33	45.9	-423.1	-89.9	707610.0	1483590.0	-1701.0
40.34	-1231.9	-921.9	-507.2	1400000.0	3067810.0	-1225.0
40.35	6041.7	1230.7	-1146.7	-1871000.0	-5940830.0	-285.0
40.36	4768.2	721.6	-1571.3	-1138000.0	-4360180.0	145.0
40.37	43.7	-418.0	-86.2	687337.0	1485370.0	-1678.0
40.38	-1229.7	-927.0	-510.8	1421000.0	3066030.0	-1248.0
40.39	5825.0	853.3	-224.0	-1156000.0	-5674500.0	-1451.0
40.40	1565.6	-809.3	-1614.9	1153000.0	-395075.0	134.0
40.41	3246.4	1112.9	-42.6	-1603000.0	-2479360.0	-1667.0
40.42	-1013.0	-549.6	-1433.5	705422.0	2799700.0	-82.0
40.43	5435.4	1230.4	-292.4	-1763000.0	-5191460.0	-1350.0
40.44	1176.0	-432.2	-1683.3	545393.0	88437.0	235.0
40.45	3636.0	735.8	25.8	-995947.0	-2963400.0	-1768.0
40.46	-623.4	-926.7	-1365.1	1313000.0	2316660.0	-183.0
40.47	5817.7	870.4	-211.8	-1224000.0	-5669230.0	-1375.0
40.48	1572.9	-826.4	-1627.0	1220000.0	-400351.0	58.0
40.49	3239.1	1130.0	-30.5	-1671000.0	-2474090.0	-1591.0
40.50	-1005.7	-566.7	-1445.7	772999.0	2794430.0	-158.0
40.51	5428.1	1247.5	-280.2	-1831000.0	-5186190.0	-1274.0
40.52	1183.3	-449.3	-1695.4	612970.0	83161.0	159.0
40.53	3628.7	752.9	37.9	-1064000.0	-2958130.0	-1692.0
40.54	-616.1	-943.8	-1377.3	1380000.0	2311390.0	-259.0
44.1	4735.3	-117.6	595.2	-301202.0	-3898470.0	-1699.0
44.2	5965.7	-82.8	436.9	-349987.0	-4715430.0	-2288.0
44.3	4593.6	-71.8	683.4	-375978.0	-3708640.0	-1406.0
44.4	5824.0	-37.0	525.1	-424763.0	-4525600.0	-1995.0
44.5	3874.8	-150.1	718.2	-255170.0	-3367520.0	-1252.0
44.6	5105.3	-115.3	559.9	-303955.0	-4185470.0	-1841.0
44.7	3733.1	-104.3	806.4	-329946.0	-3177690.0	-959.0
44.8	4963.5	-69.5	648.1	-378731.0	-3995650.0	-1548.0
44.9	7196.2	-48.0	278.6	-398772.0	-5532380.0	-2877.0
44.10	4636.1	-85.5	656.9	-353545.0	-3765390.0	-1494.0
44.11	7097.0	-16.0	340.3	-451115.0	-5400300.0	-2672.0
44.12	6335.7	-80.6	401.6	-352740.0	-5002430.0	-2429.0
44.13	3775.6	-118.0	779.9	-307514.0	-3235440.0	-1046.0
44.14	6236.5	-48.5	463.3	-405083.0	-4869350.0	-2224.0
44.15	5805.5	-275.9	1288.0	-388596.0	-5215450.0	-1725.0
44.16	7035.9	-241.1	1129.6	-437381.0	-6032410.0	-2314.0

44.17	5706.3	-243.8	1349.7	-440939.0	-5082370.0	-1520.0
44.18	6936.7	-209.1	1191.4	-489724.0	-5899330.0	-2109.0
44.19	4945.0	-308.4	1410.9	-342565.0	-4684500.0	-1277.0
44.20	6175.4	-273.6	1252.6	-391349.0	-5501460.0	-1866.0
44.21	4845.8	-276.4	1472.7	-394908.0	-4551420.0	-1072.0
44.22	6076.2	-241.6	1314.4	-443692.0	-5368380.0	-1661.0
44.23	6162.5	67.6	1477.2	-39046.0	-5987750.0	-2154.0
44.24	9189.1	-186.2	493.6	294730.0	-9571090.0	-1644.0
44.25	-4550.5	384.7	-1123.4	-580458.0	6761950.0	-737.0
44.26	-1523.9	130.9	-2107.0	-246682.0	3180610.0	-227.0
44.27	6350.8	-201.0	1445.7	-54025.0	-6207920.0	-2163.0
44.28	9000.8	82.4	525.1	309709.0	-9349920.0	-1635.0
44.29	-4362.2	116.1	-1154.9	-595437.0	6541780.0	-746.0
44.30	-1712.2	399.5	-2075.5	-231703.0	3399780.0	-217.0
44.31	6561.4	-64.5	2102.6	285288.0	-6452860.0	-2318.0
44.32	9588.0	-318.2	1118.9	619063.0	-10031200.0	-1808.0
44.33	-4949.4	516.7	-1748.7	-904791.0	7227060.0	-573.0
44.34	-1922.8	263.0	-2732.4	-571016.0	3645720.0	-63.0
44.35	6749.8	-333.0	2071.0	270308.0	-6673021.0	-2327.0
44.36	9399.7	-49.7	1150.5	634043.0	-9810030.0	-1799.0
44.37	-4761.1	248.2	-1780.3	-919771.0	7006890.0	-582.0
44.38	-2111.1	531.5	-2700.8	-556036.0	3864890.0	-54.0
44.39	-1118.0	474.6	1714.6	-617945.0	2652200.0	-2253.0
44.40	8970.6	-371.2	-1564.2	494640.0	-9282940.0	-553.0
44.41	-4331.9	569.7	934.4	-780368.0	6477810.0	-1828.0
44.42	5756.7	-276.1	-2344.4	332217.0	-5460330.0	-128.0
44.43	-998.4	435.0	1902.2	-520645.0	2513160.0	-2302.0
44.44	9090.3	-410.8	-1376.6	591941.0	-9420970.0	-602.0
44.45	-4451.6	609.4	746.8	-877668.0	6616840.0	-1779.0
44.46	5637.0	-236.5	-2532.0	234917.0	-5321300.0	-79.0
44.47	-490.3	-420.6	1609.4	-667876.0	1920970.0	-2284.0
44.48	8342.9	524.0	-1459.0	544572.0	-8553710.0	-522.0
44.49	-3704.2	-325.5	829.2	-830299.0	5745580.0	-1859.0
44.50	5129.0	619.1	-2239.2	382148.0	-4729100.0	-97.0
44.51	-370.7	-460.2	1797.0	-570576.0	1780930.0	-2333.0
44.52	8462.6	484.4	-1271.4	641872.0	-8692740.0	-571.0
44.53	-3823.9	-285.8	641.6	-927599.0	5885610.0	-1810.0
44.54	5009.3	658.7	-2426.8	284848.0	-4589070.0	-48.0

Calcolo resistenze

Resistenza a trazione dei bulloni

$$F_{tb,Rd} = 0.9 \cdot f_{tb} \cdot A_{res} / \gamma_{M2} = 109930.6 \text{ N}$$

Resistenza a punzonamento flangia

$$B_{pf,Rd} = 0.6 \cdot \pi \cdot d_m \cdot t_f \cdot f_{tk} / \gamma_{M2} = 262612.0 \text{ N}$$

Resistenza a punzonamento ala passante

$$B_{pa,Rd} = 0.6 \cdot \pi \cdot d_m \cdot t_a \cdot f_{tk} / \gamma_{M2} = 262612.0 \text{ N}$$

Bull.	$F_{f,Rd} \text{ [N]}$	$F_{t,Rd} \text{ [N]}$
1	16465.3	16465.3
2	40208.9	40208.9
3	41860.1	41860.1
4	41727.1	41727.1
5	16465.3	16465.3
6	40208.9	40208.9
7	41860.1	41860.1
8	41727.1	41727.1

Legenda

$F_{f,Rd} = M_{res,m} / (B_m \cdot R_m)$ resistenza a flessione flangia

$F_{t,Rd} = \min [F_{tb,Rd} , B_{pf,Rd} , B_{pa,Rd} , F_{f,Rd}]$ resistenza a trazione di progetto

Resistenza a taglio dei bulloni

$$F_{vb,Rd} = 0.6 \cdot f_{tb} \cdot A_{res} / \gamma_{M2} = 73287.1 \text{ N}$$

Bull.	$F_{bf,x,Rd} \text{ [N]}$	$F_{ba,x,Rd} \text{ [N]}$	$F_{v,x,Rd} \text{ [N]}$	$F_{bf,y,Rd} \text{ [N]}$	$F_{ba,y,Rd} \text{ [N]}$	$F_{v,y,Rd} \text{ [N]}$
1	80830.5	224052.6	73287.1	80830.5	232200.0	73287.1
2	65822.2	144808.8	65822.2	99421.5	125265.8	73287.1
3	101842.1	224052.6	73287.1	147919.8	186371.0	73287.1

4	101842.1	224052.6	73287.1	113162.7	142578.9	73287.1
5	80830.5	224052.6	73287.1	80830.5	232200.0	73287.1
6	65822.2	144808.8	65822.2	99421.5	125265.8	73287.1
7	101842.1	224052.6	73287.1	147919.8	186371.0	73287.1
8	101842.1	224052.6	73287.1	113162.7	142578.9	73287.1

Legenda

$F_{bf,x,Rd} = k \cdot \alpha \cdot f_{tk} \cdot \emptyset \cdot t_f / \gamma_{M2}$ resistenza a rifollamento flangia in direzione x

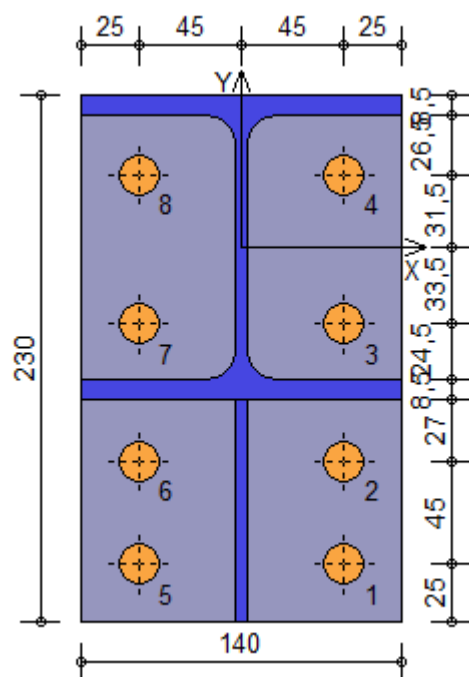
$F_{ba,x,Rd} = k \cdot \alpha \cdot f_{tk} \cdot \emptyset \cdot t_a / \gamma_{M2}$ resistenza a rifollamento ala passante in direzione x

$F_{v,x,Rd} = \min [F_{vb,Rd} , F_{bf,x,Rd} , F_{ba,x,Rd}]$ resistenza a taglio di progetto in direzione x

$F_{bf,y,Rd} = k \cdot \alpha \cdot f_{tk} \cdot \emptyset \cdot t_f / \gamma_{M2}$ resistenza a rifollamento flangia in direzione y

$F_{ba,y,Rd} = k \cdot \alpha \cdot f_{tk} \cdot \emptyset \cdot t_a / \gamma_{M2}$ resistenza a rifollamento ala passante in direzione y

$F_{v,y,Rd} = \min [F_{vb,Rd} , F_{bf,y,Rd} , F_{ba,y,Rd}]$ resistenza a taglio di progetto in direzione y



Verifiche sui bulloni

1-Taglio e trazione (Nodo n. 44, CMB n. 33)

Bull.	X [mm]	Y [mm]	$F_{v,Ed}$ [N]	$F_{v,Rd}$ [N]	$F_{t,Ed}$ [N]	$F_{t,Rd}$ [N]	FV_1	VER
1	45.00	-138.50	621.4	73287.1	10329.0	16465.3	0.456565	Ok
2	45.00	-93.50	621.5	73287.1	7268.0	40208.9	0.137592	Ok
3	45.00	-33.50	621.5	73287.1	3186.6	41860.1	0.062857	Ok
4	45.00	31.50	621.6	73287.1	0.0	41727.1	0.008482	Ok
5	-45.00	-138.50	622.5	73287.1	11672.6	16465.3	0.514865	Ok
6	-45.00	-93.50	622.5	73287.1	8611.6	40208.9	0.161474	Ok
7	-45.00	-33.50	622.6	73287.1	4530.2	41860.1	0.085797	Ok
8	-45.00	31.50	622.7	73287.1	108.7	41727.1	0.010358	Ok

2-Trazione (Nodo n. 44, CMB n. 33)

Bull.	X [mm]	Y [mm]	$F_{t,Ed}$ [N]	$F_{t,Rd}$ [N]	FV_2	VER
1	45.00	-138.50	10329.0	16465.3	0.627321	Ok
2	45.00	-93.50	7268.0	40208.9	0.180756	Ok
3	45.00	-33.50	3186.6	41860.1	0.076126	Ok
4	45.00	31.50	0.0	41727.1	0.000000	Ok
5	-45.00	-138.50	11672.6	16465.3	0.708920	Ok
6	-45.00	-93.50	8611.6	40208.9	0.214171	Ok
7	-45.00	-33.50	4530.2	41860.1	0.108223	Ok
8	-45.00	31.50	108.7	41727.1	0.002606	Ok

Legenda

$F_{v,Ed}$ forza di taglio agente sul bullone

$F_{v,Rd}$ resistenza a taglio di progetto del bullone

$F_{t,Ed}$ forza di trazione agente sul bullone

$F_{t,Rd}$ resistenza a trazione di progetto del bullone

$$FV_1 = F_{v,Ed} / F_{v,Rd} + F_{t,Ed} / (1.4 \cdot F_{t,Rd})$$

$$FV_2 = F_{t,Ed} / F_{t,Rd}$$

$$VER \rightarrow FV_i \leq 1$$

Verifiche sulle saldature profilo-flangia (versione beta)

Si considera la sezione di gola (avente altezza $a = s_c / 2^{0.5} = 5.657$) in posizione ribaltata: vengono considerate positive le tensioni normali di trazione e le tensioni tangenziali agenti verso destra e verso il basso. Tutte le tensioni sono espresse in N/mm².

Verifica formula (4.2.84) (Nodo n. 44, CMB n. 32)

Cordoni	Lung.[mm]	$n_{\perp}$	$t_{\perp}$	$\tau_{\parallel}$	FV ₁	VER ₁
Nervatura inferiore lato destro	89.0	-70.19	0.00	4.68	70.35	Ok
Nervatura inferiore lato sinistro	89.0	-70.19	0.00	4.68	70.35	Ok
Ala inferiore esterno	140.0	-40.84	0.00	-0.16	40.84	Ok
Ala inferiore interno lato destro	55.3	-21.14	0.00	-0.16	21.14	Ok
Ala inferiore interno lato sinistro	55.3	-34.74	0.00	-0.16	34.74	Ok
Anima lato destro	92.0	20.10	0.00	4.68	20.64	Ok
Anima lato sinistro	92.0	20.10	0.00	4.68	20.64	Ok
Ala superiore interno lato destro	55.3	35.29	0.00	-0.16	35.29	Ok
Ala superiore interno lato sinistro	55.3	21.68	0.00	-0.16	21.68	Ok

Verifica formula (4.2.85) (Nodo n. 44, CMB n. 32)

Cordoni	Lung.[mm]	$n_{\perp}$	$t_{\perp}$	$\tau_{\parallel}$	FV ₂	VER ₂
Nervatura inferiore lato destro	89.0	-70.19	0.00	4.68	70.19	Ok
Nervatura inferiore lato sinistro	89.0	-70.19	0.00	4.68	70.19	Ok
Ala inferiore esterno	140.0	-40.84	0.00	-0.16	40.84	Ok
Ala inferiore interno lato destro	55.3	-21.14	0.00	-0.16	21.14	Ok
Ala inferiore interno lato sinistro	55.3	-34.74	0.00	-0.16	34.74	Ok
Anima lato destro	92.0	20.10	0.00	4.68	20.10	Ok
Anima lato sinistro	92.0	20.10	0.00	4.68	20.10	Ok
Ala superiore interno lato destro	55.3	35.29	0.00	-0.16	35.29	Ok
Ala superiore interno lato sinistro	55.3	21.68	0.00	-0.16	21.68	Ok

Legenda

$n_{\perp}$ tensione normale perpendicolare all'asse del cordone

$t_{\perp}$ tensione tangenziale perpendicolare all'asse del cordone

$\tau_{\parallel}$ tensione tangenziale parallela all'asse del cordone

$$FV_1 = (n_{\perp}^2 + t_{\perp}^2 + \tau_{\parallel}^2)^{0.5}$$

$$FV_2 = |n_{\perp}| + |t_{\perp}|$$

$$VER_i \rightarrow FV_i \leq \beta_i \cdot f_{yk} \quad (\beta_1 \cdot f_{yk} = 192.50 \text{ N/mm}^2 \quad \beta_2 \cdot f_{yk} = 233.75 \text{ N/mm}^2)$$

Verifica del momento di progetto del giunto (Nodo n. 44, CMB n. 32)

Momento resistente del giunto $M_{j,Rd} = 29482160.0 \text{ N mm}$

Momento di progetto $M_{j,Ed} = 10199210.0 \text{ N mm}$

$$M_{j,Ed} / M_{j,Rd} = 0.345945 \quad \text{Ok}$$

Trave lato 2-

Tipo di profilo: HEA 140

Materiale: Acciaio S275 $f_y = 275 \text{ N/mm}^2$ $f_t = 430 \text{ N/mm}^2$ $\gamma_{ov} = 1.25$

Classe sezione: 1

Flangia:

Materiale: Acciaio S275 $f_y = 275 \text{ N/mm}^2$ $f_t = 430 \text{ N/mm}^2$ $\gamma_{ov} = 1.25$

Dimensioni (B x H x Sp): 140.0 x 230.0 x 15.0 mm

Spessore nervature verticali: 5.0 mm

Bullonature:

Viti cl. 8.8 Dadi 8 o 10 ($f_{yb} = 640 \text{ N/mm}^2$, $f_{tb} = 800 \text{ N/mm}^2$)

Diametro gambo $\varnothing = 18 \text{ mm}$ $A_{res} = 190.9 \text{ mm}^2$ (ridotta per filettatura)

Diametro dado/testa $d_m = 27 \text{ mm}$

Diametro foro $\varnothing_0 = 19 \text{ mm}$

Rigidezza giunto (calcolata secondo EN 1993-1-8 : 2005 par. 6.3):

$S_{j,ini} = 21293000000 \text{ N mm / rad}$

Saldature:

Materiale: Acciaio S275 $f_y = 275 \text{ N/mm}^2$ $f_t = 430 \text{ N/mm}^2$ $\beta_1 = 0.70$ $\beta_2 = 0.85$

Spessore cordoni d'angolo $s_c = 8 \text{ mm}$

Sollecitazioni nella sezione d'attacco dell'elemento:

Nodo.CMB	V2 [N]	V3 [N]	N [N]	M2 [N mm]	M3 [N mm]	T [N mm]
40.1	7310.8	569.7	-4136.7	-584471.0	-4990920.0	753.0
40.2	10439.5	611.3	-6347.2	-597726.0	-7317050.0	1022.0
40.3	7167.8	626.9	-2986.6	-624421.0	-4720220.0	739.0
40.4	10296.5	668.5	-5197.1	-637677.0	-7046350.0	1009.0
40.5	5199.5	531.2	-2910.9	-569951.0	-3469050.0	543.0
40.6	8328.2	572.8	-5121.4	-583206.0	-5795180.0	812.0
40.7	5056.5	588.3	-1760.8	-609901.0	-3199350.0	529.0
40.8	8185.2	629.9	-3971.3	-623156.0	-5525480.0	799.0
40.9	13568.1	653.0	-8557.7	-610981.0	-9643190.0	1292.0
40.10	7210.7	609.7	-3331.6	-612436.0	-4801930.0	743.0
40.11	13468.0	692.9	-7752.6	-638946.0	-9453200.0	1282.0
40.12	11456.9	614.4	-7331.9	-596461.0	-8121310.0	1082.0
40.13	5099.4	571.2	-2105.9	-597916.0	-3280060.0	533.0
40.14	11356.8	654.4	-6526.9	-624426.0	-7932321.0	1072.0
40.15	7142.1	852.9	-3882.3	-936705.9	-4695790.0	746.0
40.16	10270.8	894.5	-6092.9	-949961.1	-7021921.0	1016.0
40.17	7042.0	892.9	-3077.3	-964671.0	-4506800.0	737.0
40.18	10170.7	934.5	-5287.8	-977926.0	-6832930.0	1006.0
40.19	5030.9	814.4	-2656.6	-922186.1	-3173910.0	536.0
40.20	8159.6	856.0	-4867.1	-935441.0	-5500040.0	806.0
40.21	4930.8	854.4	-1851.6	-950151.0	-2984920.0	527.0
40.22	8059.5	896.0	-4062.1	-963405.9	-5311050.0	796.0
40.23	3088.2	2527.4	2378.2	-2422000.0	471113.0	490.0
40.24	3740.3	1243.0	617.2	-1191000.0	-682970.0	193.0
40.25	7520.9	-1001.6	-6948.9	1090000.0	-7334910.0	945.0
40.26	8173.1	-2286.0	-8709.9	2322000.0	-8488690.0	648.0
40.27	3087.6	2520.8	2327.0	-2398000.0	471998.0	477.0
40.28	3740.8	1249.6	668.3	-1215000.0	-683920.0	207.0
40.29	7520.4	-1008.1	-7000.0	1114000.0	-7333960.0	931.0
40.30	8173.6	-2279.4	-8658.8	2297000.0	-8489640.0	661.0
40.31	3762.9	3417.4	1127.8	-3268000.0	-715710.0	283.0
40.32	4415.1	2133.0	-633.2	-2036000.0	-1869490.0	-13.0
40.33	6846.2	-1891.6	-5698.5	1935000.0	-6148380.0	1151.0
40.34	7498.3	-3176.0	-7459.5	3167000.0	-7302171.0	855.0
40.35	3762.4	3410.9	1076.7	-3244000.0	-714760.0	270.0
40.36	4415.6	2139.6	-582.1	-2061000.0	-1870440.0	0.0
40.37	6845.7	-1898.2	-5749.6	1960000.0	-6147430.0	1138.0
40.38	7498.9	-3169.4	-7408.4	3143000.0	-7303110.0	868.0
40.39	3878.8	2790.7	1168.2	-2630000.0	-915120.0	995.0
40.40	6052.6	-1490.6	-4701.8	1475000.0	-4760740.0	6.0
40.41	5208.6	1732.0	-1630.0	-1576000.0	-3256140.0	1132.0
40.42	7382.5	-2549.3	-7499.9	2529000.0	-7102750.0	142.0
40.43	4081.2	3057.7	793.1	-2884000.0	-1270880.0	933.0
40.44	6255.1	-1223.6	-5076.9	1222000.0	-5116490.0	-56.0
40.45	5006.2	1465.0	-1254.8	-1323000.0	-2900380.0	1194.0
40.46	7180.0	-2816.3	-7124.8	2783000.0	-6746000.0	205.0
40.47	3877.1	2768.8	997.8	-2549000.0	-912290.1	951.0
40.48	6054.3	-1468.7	-4531.4	1395000.0	-4763570.0	51.0
40.49	5206.9	1710.1	-1800.3	-1496000.0	-3253310.0	1087.0
40.50	7384.2	-2527.4	-7329.5	2448000.0	-7105580.0	187.0
40.51	4079.5	3035.8	622.7	-2803000.0	-1268050.0	888.0

40.52	6256.8	-1201.7	-4906.5	1141000.0	-5119320.0	-11.0
40.53	5004.5	1443.1	-1425.2	-1242000.0	-2897550.0	1149.0
40.54	7181.7	-2794.4	-6954.4	2702000.0	-6749830.0	250.0
44.1	5590.4	451.6	-6966.5	-482957.0	-2987960.0	766.0
44.2	8221.0	409.9	-9358.0	-417479.0	-4890900.0	996.0
44.3	5661.1	467.1	-6898.6	-479843.0	-3110890.0	728.0
44.4	8291.7	425.4	-9290.0	-414364.0	-5014830.0	958.0
44.5	3790.7	482.5	-5204.8	-534146.0	-1724930.0	581.0
44.6	6421.3	440.8	-7596.2	-468667.0	-3627870.0	811.0
44.7	3861.4	498.1	-5136.8	-531032.0	-1847860.0	542.0
44.8	6492.0	456.4	-7528.2	-465553.0	-3751800.0	772.0
44.9	10851.5	368.2	-11749.4	-352000.0	-6793850.0	1226.0
44.10	5639.9	462.5	-6918.9	-480778.0	-3074010.0	739.0
44.11	10901.0	379.1	-11701.8	-349820.0	-6880900.0	1199.0
44.12	9051.8	399.1	-9987.6	-403188.0	-5531820.0	1041.0
44.13	3840.2	493.4	-5157.2	-531966.0	-1810980.0	554.0
44.14	9101.3	410.0	-9940.1	-401008.0	-5617870.0	1014.0
44.15	5008.6	829.8	-7353.5	-931805.9	-1969140.0	823.0
44.16	7639.1	788.1	-9744.9	-866326.9	-3872090.0	1053.0
44.17	5058.1	840.7	-7305.9	-929626.0	-2055190.0	796.0
44.18	7688.6	799.0	-9697.4	-864147.0	-3958140.0	1026.0
44.19	3208.9	860.8	-5591.8	-982995.0	-706109.9	637.0
44.20	5839.4	819.1	-7983.2	-917516.0	-2609060.0	867.0
44.21	3258.4	871.7	-5544.2	-980815.1	-792160.0	610.0
44.22	5888.9	830.0	-7935.6	-915336.1	-2695110.0	840.0
44.23	2994.6	1647.5	-4466.7	-1583000.0	-159373.0	864.0
44.24	1549.2	658.2	-3864.9	-575128.0	2347920.0	615.0
44.25	8154.5	-826.5	-5682.1	862845.0	-9153550.0	394.0
44.26	6709.0	-1815.8	-5080.3	1871000.0	-6646100.0	145.0
44.27	2907.9	1657.7	-4504.4	-1574000.0	-10945.0	864.0
44.28	1635.9	648.1	-3827.3	-584537.0	2199590.0	614.0
44.29	8067.8	-816.3	-5719.7	872255.0	-9005220.0	394.0
44.30	6795.7	-1825.9	-5042.6	1862000.0	-6794430.0	144.0
44.31	2795.8	2350.3	-3808.1	-2287000.0	177153.0	300.0
44.32	1350.4	1360.9	-3206.3	-1278000.0	2684040.0	51.0
44.33	8353.3	-1529.2	-6340.7	1566000.0	-9494670.0	958.0
44.34	6907.8	-2518.5	-5738.9	2574000.0	-6983221.0	709.0
44.35	2709.1	2360.4	-3845.7	-2277000.0	325582.0	300.0
44.36	1437.1	1350.8	-3168.7	-1288000.0	2535710.0	50.0
44.37	8266.6	-1519.1	-6378.3	1575000.0	-9343340.0	958.0
44.38	6994.5	-2528.7	-5701.3	2565000.0	-7131550.0	708.0
44.39	6486.9	1935.9	-5594.2	-1904000.0	-6232310.0	990.0
44.40	1668.8	-1361.9	-3588.2	1457000.0	2124880.0	160.0
44.41	8034.9	1193.7	-5958.8	-1170000.0	-8930510.0	849.0
44.42	3216.7	-2104.1	-3952.8	2191000.0	-573581.9	19.0
44.43	6427.3	2146.7	-5396.6	-2115000.0	-6131270.0	820.0
44.44	1609.1	-1151.1	-3390.6	1247000.0	2225910.0	-9.0
44.45	8094.5	982.9	-6156.4	-958798.1	-9031550.0	1018.0
44.46	3276.4	-2315.0	-4150.4	2402000.0	-674359.9	188.0
44.47	6197.9	1969.7	-5719.6	-1872000.0	-5737210.0	992.0
44.48	1957.8	-1395.7	-3462.8	1426000.0	1629780.0	157.0
44.49	7745.9	1227.5	-6084.2	-1138000.0	-8435410.0	851.0
44.50	3505.7	-2137.9	-3827.4	2160000.0	-1068430.0	16.0
44.51	6138.3	2180.5	-5522.0	-2083000.0	-5636170.0	823.0
44.52	1898.1	-1184.9	-3265.2	1215000.0	1730810.0	-12.0
44.53	7805.5	1016.6	-6281.8	-927433.0	-8536450.0	1020.0
44.54	3565.4	-2348.7	-4025.0	2371000.0	-1169460.0	186.0

Calcolo resistenze

Resistenza a trazione dei bulloni

$$F_{tb,Rd} = 0.9 \cdot f_{tb} \cdot A_{res} / \gamma_{M2} =$$

109930.6 N

Resistenza a punzonamento flangia

$$B_{pf,Rd} = 0.6 \cdot \pi \cdot d_m \cdot t_f \cdot f_{tk} / \gamma_{M2} =$$

262612.0 N

Resistenza a punzonamento ala passante

$$B_{pa,Rd} = 0.6 \cdot \pi \cdot d_m \cdot t_a \cdot f_{tk} / \gamma_{M2} = 262612.0 \text{ N}$$

Bull.	$F_{f,Rd}$ [N]	$F_{t,Rd}$ [N]
1	16465.3	16465.3
2	40208.9	40208.9
3	41860.1	41860.1
4	41727.1	41727.1
5	16465.3	16465.3
6	40208.9	40208.9
7	41860.1	41860.1
8	41727.1	41727.1

Legenda

$F_{f,Rd} = M_{res,m} / (B_m \cdot R_m)$ resistenza a flessione flangia

$F_{t,Rd} = \min [F_{tb,Rd}, B_{pf,Rd}, B_{pa,Rd}, F_{f,Rd}]$ resistenza a trazione di progetto

Resistenza a taglio dei bulloni

$$F_{vb,Rd} = 0.6 \cdot f_{tb} \cdot A_{res} / \gamma_{M2} = 73287.1 \text{ N}$$

Bull.	$F_{bf,x,Rd}$ [N]	$F_{ba,x,Rd}$ [N]	$F_{v,x,Rd}$ [N]	$F_{bf,y,Rd}$ [N]	$F_{ba,y,Rd}$ [N]	$F_{v,y,Rd}$ [N]
1	80830.5	224052.6	73287.1	80830.5	232200.0	73287.1
2	65822.2	144808.8	65822.2	99421.5	125265.8	73287.1
3	101842.1	224052.6	73287.1	147919.8	186371.0	73287.1
4	101842.1	224052.6	73287.1	113162.7	142578.9	73287.1
5	80830.5	224052.6	73287.1	80830.5	232200.0	73287.1
6	65822.2	144808.8	65822.2	99421.5	125265.8	73287.1
7	101842.1	224052.6	73287.1	147919.8	186371.0	73287.1
8	101842.1	224052.6	73287.1	113162.7	142578.9	73287.1

Legenda

$F_{bf,x,Rd} = k \cdot \alpha \cdot f_{tk} \cdot \emptyset \cdot t_f / \gamma_{M2}$ resistenza a rifollamento flangia in direzione x

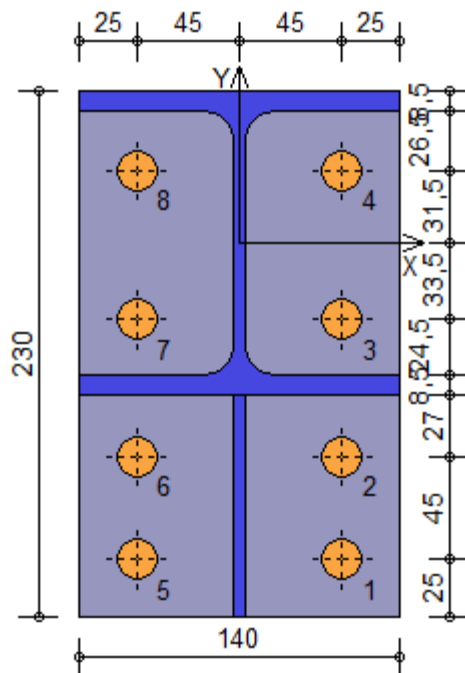
$F_{ba,x,Rd} = k \cdot \alpha \cdot f_{tk} \cdot \emptyset \cdot t_a / \gamma_{M2}$ resistenza a rifollamento ala passante in direzione x

$F_{v,x,Rd} = \min [F_{vb,Rd}, F_{bf,x,Rd}, F_{ba,x,Rd}]$ resistenza a taglio di progetto in direzione x

$F_{bf,y,Rd} = k \cdot \alpha \cdot f_{tk} \cdot \emptyset \cdot t_f / \gamma_{M2}$ resistenza a rifollamento flangia in direzione y

$F_{ba,y,Rd} = k \cdot \alpha \cdot f_{tk} \cdot \emptyset \cdot t_a / \gamma_{M2}$ resistenza a rifollamento ala passante in direzione y

$F_{v,y,Rd} = \min [F_{vb,Rd}, F_{bf,y,Rd}, F_{ba,y,Rd}]$ resistenza a taglio di progetto in direzione y



Verifiche sui bulloni

1-Taglio e trazione (Nodo n. 40, CMB n. 31)

Bull.	X [mm]	Y [mm]	$F_{v,Ed}$ [N]	$F_{v,Rd}$ [N]	$F_{t,Ed}$ [N]	$F_{t,Rd}$ [N]	FV_1	VER
1	45.00	-138.50	635.5	73287.1	0.0	16465.3	0.008671	Ok
2	45.00	-93.50	635.3	73287.1	0.0	40208.9	0.008669	Ok
3	45.00	-33.50	635.1	73287.1	199.6	41860.1	0.012071	Ok

4	45.00	31.50	634.8	73287.1	691.5	41727.1	0.020499	Ok
5	-45.00	-138.50	635.9	73287.1	7190.2	16465.3	0.320595	Ok
6	-45.00	-93.50	635.7	73287.1	7530.7	40208.9	0.142453	Ok
7	-45.00	-33.50	635.5	73287.1	7984.8	41860.1	0.144922	Ok
8	-45.00	31.50	635.2	73287.1	8476.8	41727.1	0.153773	Ok

2-Trazione (Nodo n. 40, CMB n. 31)

Bull.	X [mm]	Y [mm]	F _{t,Ed} [N]	F _{t,Rd} [N]	FV ₂	VER
1	45.00	-138.50	0.0	16465.3	0.000000	Ok
2	45.00	-93.50	0.0	40208.9	0.000000	Ok
3	45.00	-33.50	199.6	41860.1	0.004767	Ok
4	45.00	31.50	691.5	41727.1	0.016572	Ok
5	-45.00	-138.50	7190.2	16465.3	0.436686	Ok
6	-45.00	-93.50	7530.7	40208.9	0.187290	Ok
7	-45.00	-33.50	7984.8	41860.1	0.190751	Ok
8	-45.00	31.50	8476.8	41727.1	0.203148	Ok

Legenda

F_{v,Ed} forza di taglio agente sul bullone

F_{v,Rd} resistenza a taglio di progetto del bullone

F_{t,Ed} forza di trazione agente sul bullone

F_{t,Rd} resistenza a trazione di progetto del bullone

$FV_1 = F_{v,Ed} / F_{v,Rd} + F_{t,Ed} / (1.4 \cdot F_{t,Rd})$

$FV_2 = F_{t,Ed} / F_{t,Rd}$

VER $\rightarrow FV_i \leq 1$

Verifiche sulle saldature profilo-flangia (versione beta)

Si considera la sezione di gola (avente altezza $a = s_c / 2^{0.5} = 5.657$) in posizione ribaltata: vengono considerate positive le tensioni normali di trazione e le tensioni tangenziali agenti verso destra e verso il basso. Tutte le tensioni sono espresse in N/mm².

Verifica formula (4.2.84) (Nodo n. 40, CMB n. 34)

Cordoni	Lung.[mm]	n _⊥	t _⊥	τ	FV ₁	VER ₁
Nervatura inferiore lato destro	89.0	-53.12	0.00	3.66	53.25	Ok
Nervatura inferiore lato sinistro	89.0	-53.12	0.00	3.66	53.25	Ok
Ala inferiore esterno	140.0	-81.06	0.00	-1.56	81.08	Ok
Ala inferiore interno lato destro	55.3	38.35	0.00	-1.56	38.38	Ok
Ala inferiore interno lato sinistro	55.3	-76.62	0.00	-1.56	76.64	Ok
Anima lato destro	92.0	-16.26	0.00	3.66	16.66	Ok
Anima lato sinistro	92.0	-16.26	0.00	3.66	16.66	Ok
Ala superiore interno lato destro	55.3	72.97	0.00	-1.56	72.99	Ok
Ala superiore interno lato sinistro	55.3	-42.00	0.00	-1.56	42.03	Ok

Verifica formula (4.2.85) (Nodo n. 40, CMB n. 34)

Cordoni	Lung.[mm]	n _⊥	t _⊥	τ	FV ₂	VER ₂
Nervatura inferiore lato destro	89.0	-53.12	0.00	3.66	53.12	Ok
Nervatura inferiore lato sinistro	89.0	-53.12	0.00	3.66	53.12	Ok
Ala inferiore esterno	140.0	-81.06	0.00	-1.56	81.06	Ok
Ala inferiore interno lato destro	55.3	38.35	0.00	-1.56	38.35	Ok
Ala inferiore interno lato sinistro	55.3	-76.62	0.00	-1.56	76.62	Ok
Anima lato destro	92.0	-16.26	0.00	3.66	16.26	Ok
Anima lato sinistro	92.0	-16.26	0.00	3.66	16.26	Ok
Ala superiore interno lato destro	55.3	72.97	0.00	-1.56	72.97	Ok
Ala superiore interno lato sinistro	55.3	-42.00	0.00	-1.56	42.00	Ok

Legenda

n_⊥ tensione normale perpendicolare all'asse del cordone

t_⊥ tensione tangenziale perpendicolare all'asse del cordone

τ_{||} tensione tangenziale parallela all'asse del cordone

$FV_1 = (n_{\perp}^2 + t_{\perp}^2 + \tau_{||}^2)^{0.5}$

$FV_2 = |n_{\perp}| + |t_{\perp}|$

VER_i $\rightarrow FV_i \leq \beta_i \cdot f_{yk}$ ($\beta_1 \cdot f_{yk} = 192.50$ N/mm² $\beta_2 \cdot f_{yk} = 233.75$ N/mm²)

Verifica del momento di progetto del giunto (Nodo n. 44, CMB n. 33)

Momento resistente del giunto $M_{j,Rd} = 29036410.0$ N mm

Momento di progetto $M_{j,Ed} = 8554002.0 \text{ N mm}$
 $M_{j,Ed} / M_{j,Rd} = 0.294596 \text{ Ok}$

Trave lato 3+

Tipo di profilo: HEA 140

Materiale: Acciaio S275 $f_y = 275 \text{ N/mm}^2$ $f_t = 430 \text{ N/mm}^2$ $\gamma_{ov} = 1.25$

Classe sezione: 1

Flangia:

Materiale: Acciaio S275 $f_y = 275 \text{ N/mm}^2$ $f_t = 430 \text{ N/mm}^2$ $\gamma_{ov} = 1.25$

Dimensioni (B x H x Sp): 140.0 x 230.0 x 15.0 mm

Spessore nervature verticali: 5.0 mm

Bullonature:

Viti cl. 8.8 Dadi 8 o 10 ($f_{yb} = 640 \text{ N/mm}^2$, $f_{tb} = 800 \text{ N/mm}^2$)

Diametro gambo $\varnothing = 18 \text{ mm}$ $A_{res} = 190.9 \text{ mm}^2$ (ridotta per filettatura)

Diametro dado/testa $d_m = 27 \text{ mm}$

Diametro foro $\varnothing_0 = 19 \text{ mm}$

Rigidezza giunto (calcolata secondo EN 1993-1-8 : 2005 par. 6.3):

$S_{j,ini}$ non calcolabile

Saldature:

Materiale: Acciaio S275 $f_y = 275 \text{ N/mm}^2$ $f_t = 430 \text{ N/mm}^2$ $\beta_1 = 0.70$ $\beta_2 = 0.85$

Spessore cordoni d'angolo $s_c = 4 \text{ mm}$

Sollecitazioni nella sezione d'attacco dell'elemento:

Nodo.CMB	V2 [N]	V3 [N]	N [N]	M2 [N mm]	M3 [N mm]	T [N mm]
40.1	3376.8	-109.6	604.4	-22151.0	-2200560.0	784.0
40.2	4762.4	-163.4	1016.8	24281.0	-3061883.0	907.0
40.3	2918.2	-107.6	922.0	-49090.0	-1782993.0	1088.0
40.4	4303.8	-161.4	1334.3	-2658.0	-2645316.0	1211.0
40.5	2427.4	-71.7	236.0	-52088.0	-1589950.0	659.0
40.6	3812.9	-125.5	648.3	-5657.0	-2451288.0	782.0
40.7	1968.8	-69.7	553.5	-79027.0	-1172384.0	963.0
40.8	3354.4	-123.5	965.9	-32595.0	-2034707.0	1086.0
40.9	6147.9	-217.2	1429.1	70712.0	-3924220.0	1030.0
40.10	3055.8	-108.2	826.8	-41008.0	-1908660.0	997.0
40.11	5826.9	-215.8	1651.4	51855.0	-3632321.0	1243.0
40.12	5198.5	-179.3	1060.6	40775.0	-3313611.0	905.0
40.13	2106.4	-70.3	458.3	-70945.0	-1298051.0	872.0
40.14	4877.5	-177.9	1282.9	21918.0	-3021711.0	1118.0
40.15	3325.7	-85.7	103.3	-113973.0	-2171739.0	1014.0
40.16	4711.3	-139.5	515.6	-67541.0	-3033062.0	1137.0
40.17	3004.7	-84.4	325.6	-132830.0	-1879840.0	1227.0
40.18	4390.3	-138.2	737.9	-86398.0	-2742163.0	1350.0
40.19	2376.3	-47.9	-265.2	-143910.0	-1561130.0	889.0
40.20	3761.9	-101.7	147.1	-97478.0	-2422453.0	1012.0
40.21	2055.3	-46.5	-42.9	-162767.0	-1269230.0	1102.0
40.22	3440.9	-100.3	369.4	-116336.0	-2130554.0	1225.0
40.23	1884.4	-1690.0	760.4	1309000.0	-1164242.0	522.0
40.24	301.8	-973.8	-1056.0	653202.0	8751.9	1265.0
40.25	4695.1	754.8	3221.2	-488998.0	-3212339.0	-490.0
40.26	3112.6	1471.0	1404.8	-1145000.0	-2039680.0	253.0
40.27	1807.2	-1609.7	621.8	1207000.0	-1110088.0	561.0
40.28	378.9	-1054.1	-917.4	755364.0	-45508.6	1226.0
40.29	4618.0	835.1	3082.6	-591161.0	-3158171.0	-451.0
40.30	3189.7	1390.7	1543.4	-1042000.0	-2093847.0	214.0
40.31	880.9	-1703.9	-639.0	1378000.0	-414840.5	963.0
40.32	-701.6	-987.7	-2455.4	722794.0	758018.2	1706.0

40.33	5698.6	768.7	4620.7	-558590.0	-3961347.0	-931.0
40.34	4116.0	1484.9	2804.3	-1214000.0	-2788702.0	-188.0
40.35	803.8	-1623.6	-777.6	1276000.0	-360579.1	1002.0
40.36	-624.5	-1068.0	-2316.8	824955.9	703757.8	1667.0
40.37	5621.4	849.0	4482.1	-660753.0	-3907193.0	-892.0
40.38	4193.1	1404.6	2942.9	-1112000.0	-2842870.0	-227.0
40.39	4714.4	-1669.8	3740.8	1444000.0	-3249627.0	-698.0
40.40	-560.7	717.4	-2313.9	-740914.0	660229.6	1778.0
40.41	5557.7	-936.4	4479.1	905118.0	-3864143.0	-1002.0
40.42	282.5	1450.9	-1575.6	-1280000.0	45778.3	1474.0
40.43	4413.4	-1674.0	3321.0	1465000.0	-3024918.0	-566.0
40.44	-861.8	713.2	-2733.7	-720037.0	884917.1	1910.0
40.45	5858.7	-932.2	4898.9	884241.0	-4088853.0	-1134.0
40.46	583.5	1455.0	-1155.8	-1301000.0	-179004.3	1342.0
40.47	4457.3	-1402.2	3278.8	1104000.0	-3068750.0	-569.0
40.48	-303.6	449.8	-1851.8	-400374.0	479374.2	1648.0
40.49	5300.5	-668.8	4017.1	564578.0	-3683280.0	-873.0
40.50	539.6	1183.2	-1113.6	-939718.0	-135077.2	1345.0
40.51	4156.3	-1406.4	2859.0	1125000.0	-2844040.0	-437.0
40.52	-604.6	445.6	-2271.7	-379497.0	704156.7	1781.0
40.53	5601.6	-664.6	4436.9	543700.0	-3907976.0	-1005.0
40.54	840.7	1187.4	-693.8	-960596.0	-359846.6	1212.0
44.1	4893.3	-501.8	5108.5	1033000.0	-3974492.0	549.0
44.2	6842.2	-525.9	7185.5	1087000.0	-5458671.0	585.0
44.3	4897.5	-598.3	4427.2	1235000.0	-3975901.0	371.0
44.4	6846.4	-622.4	6504.2	1290000.0	-5460081.0	407.0
44.5	3536.6	-473.0	3401.3	969130.9	-2891108.0	537.0
44.6	5485.5	-497.1	5478.3	1024000.0	-4375287.0	573.0
44.7	3540.8	-569.4	2720.0	1172000.0	-2892518.0	359.0
44.8	5489.7	-593.5	4797.0	1226000.0	-4376698.0	395.0
44.9	8791.1	-550.0	9262.5	1142000.0	-6941851.0	621.0
44.10	4896.3	-569.3	4631.6	1174000.0	-3975070.0	424.0
44.11	8794.0	-617.5	8785.6	1283000.0	-6943443.0	496.0
44.12	7434.4	-521.2	7555.3	1078000.0	-5859467.0	609.0
44.13	3539.6	-540.5	2924.4	1111000.0	-2892686.0	412.0
44.14	7437.3	-588.7	7078.4	1220000.0	-5860060.0	484.0
44.15	4899.9	-765.4	4262.2	1565000.0	-3999564.0	882.0
44.16	6848.8	-789.5	6339.2	1619000.0	-5482744.0	918.0
44.17	4902.8	-832.9	3785.3	1706000.0	-4000157.0	757.0
44.18	6851.7	-857.0	5862.3	1761000.0	-5483337.0	793.0
44.19	3543.2	-736.5	2555.0	1501000.0	-2916181.0	869.0
44.20	5492.1	-760.6	4632.0	1556000.0	-4399360.0	905.0
44.21	3546.1	-804.0	2078.1	1643000.0	-2916773.0	745.0
44.22	5495.0	-828.1	4155.1	1697000.0	-4399953.0	781.0
44.23	3510.3	-1341.4	3702.8	2824000.0	-2623803.0	303.0
44.24	3146.0	-590.1	843.8	1258000.0	-1891987.0	1202.0
44.25	4169.0	391.4	8491.1	-824400.0	-4015256.0	-1197.0
44.26	3804.6	1142.7	5632.1	-2391000.0	-3284454.0	-298.0
44.27	3498.8	-1370.8	3595.0	2885000.0	-2603419.0	338.0
44.28	3157.5	-560.7	951.6	1197000.0	-1912371.0	1167.0
44.29	4157.4	362.0	8383.3	-763778.0	-3995885.0	-1162.0
44.30	3816.2	1172.1	5739.9	-2451000.0	-3303824.0	-333.0
44.31	3282.4	-2068.5	1478.4	4330000.0	-2185823.0	1084.0
44.32	2918.1	-1317.1	-1380.7	2763000.0	-1455007.0	1984.0
44.33	4396.9	1118.4	10715.6	-2330000.0	-4453236.0	-1978.0
44.34	4032.5	1869.8	7856.5	-3896000.0	-3722434.0	-1079.0
44.35	3270.9	-2097.9	1370.5	4390000.0	-2166439.0	1119.0
44.36	2929.7	-1287.7	-1272.9	2702000.0	-1474377.0	1948.0
44.37	4385.3	1089.0	10607.7	-2269000.0	-4433865.0	-1943.0
44.38	4044.1	1899.2	7964.3	-3957000.0	-3741804.0	-1114.0
44.39	4165.9	-1611.5	8714.3	3375000.0	-3963691.0	-1272.0

44.40	2951.4	893.0	-815.9	-1847000.0	-1526328.0	1727.0
44.41	4363.5	-1091.7	10150.8	2280000.0	-4380928.0	-1722.0
44.42	3149.0	1412.8	620.6	-2941000.0	-1943565.0	1277.0
44.43	4097.6	-1829.6	8046.9	3826000.0	-3832287.0	-1037.0
44.44	2883.1	674.8	-1483.2	-1395000.0	-1394924.0	1961.0
44.45	4431.9	-873.6	10818.1	1829000.0	-4512318.0	-1956.0
44.46	3217.4	1630.9	1287.9	-3393000.0	-2074955.0	1042.0
44.47	4127.4	-1709.5	8354.9	3577000.0	-3898101.0	-1155.0
44.48	2990.0	990.9	-456.5	-2049000.0	-1591905.0	1610.0
44.49	4325.0	-1189.6	9791.3	2482000.0	-4315338.0	-1605.0
44.50	3187.6	1510.8	980.0	-3143000.0	-2010142.0	1160.0
44.51	4059.0	-1927.6	7687.5	4028000.0	-3766711.0	-920.0
44.52	2921.6	772.8	-1123.8	-1597000.0	-1461515.0	1844.0
44.53	4393.4	-971.5	10458.7	2031000.0	-4446728.0	-1839.0
44.54	3255.9	1728.9	1647.3	-3595000.0	-2141546.0	925.0

Calcolo resistenze

Resistenza a trazione dei bulloni

$$F_{tb,Rd} = 0.9 \cdot f_{tb} \cdot A_{res} / \gamma_{M2} = 109930.6 \text{ N}$$

Resistenza a punzonamento flangia

$$B_{pf,Rd} = 0.6 \cdot \pi \cdot d_m \cdot t_f \cdot f_{tk} / \gamma_{M2} = 262612.0 \text{ N}$$

Bull.	$F_{f,Rd}$ [N]	$F_{t,Rd}$ [N]
1	16465.3	16465.3
2	40208.9	40208.9
3	41860.1	41860.1
4	41727.1	41727.1
5	16465.3	16465.3
6	40208.9	40208.9
7	41860.1	41860.1
8	41727.1	41727.1

Legenda

$F_{f,Rd} = M_{res,m} / (B_m \cdot R_m)$ resistenza a flessione flangia

$F_{t,Rd} = \min [F_{tb,Rd} , B_{pf,Rd} , F_{f,Rd}]$ resistenza a trazione di progetto

Resistenza a taglio dei bulloni

$$F_{vb,Rd} = 0.6 \cdot f_{tb} \cdot A_{res} / \gamma_{M2} = 73287.1 \text{ N}$$

Bull.	$F_{bf,x,Rd}$ [N]	$F_{v,x,Rd}$ [N]	$F_{bf,y,Rd}$ [N]	$F_{v,y,Rd}$ [N]
1	80830.5	73287.1	80830.5	73287.1
2	65822.2	65822.2	99421.5	73287.1
3	101842.1	73287.1	147919.8	73287.1
4	101842.1	73287.1	113162.7	73287.1
5	80830.5	73287.1	80830.5	73287.1
6	65822.2	65822.2	99421.5	73287.1
7	101842.1	73287.1	147919.8	73287.1
8	101842.1	73287.1	113162.7	73287.1

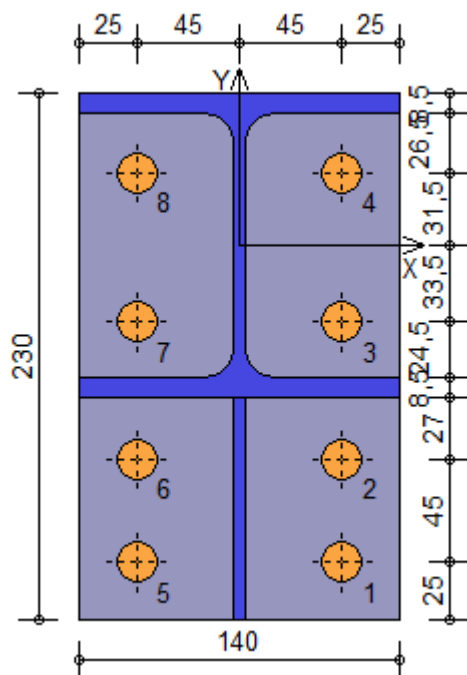
Legenda

$F_{bf,x,Rd} = k \cdot \alpha \cdot f_{tk} \cdot \emptyset \cdot t_f / \gamma_{M2}$ resistenza a rifollamento flangia in direzione x

$F_{v,x,Rd} = \min [F_{vb,Rd} , F_{bf,x,Rd}]$ resistenza a taglio di progetto in direzione x

$F_{bf,y,Rd} = k \cdot \alpha \cdot f_{tk} \cdot \emptyset \cdot t_f / \gamma_{M2}$ resistenza a rifollamento flangia in direzione y

$F_{v,y,Rd} = \min [F_{vb,Rd} , F_{bf,y,Rd}]$ resistenza a taglio di progetto in direzione y



Verifiche sui bulloni

1-Taglio e trazione (Nodo n. 44, CMB n. 35)

Bull.	X [mm]	Y [mm]	$F_{v,Ed}$ [N]	$F_{v,Rd}$ [N]	$F_{t,Ed}$ [N]	$F_{t,Rd}$ [N]	FV_1	VER
1	45.00	-138.50	483.9	73287.1	8995.9	16465.3	0.396855	Ok
2	45.00	-93.50	484.4	73287.1	9865.9	40208.9	0.181872	Ok
3	45.00	-33.50	485.2	73287.1	11026.0	41860.1	0.194764	Ok
4	45.00	31.50	486.0	73287.1	12282.7	41727.1	0.216887	Ok
5	-45.00	-138.50	485.6	73287.1	0.0	16465.3	0.006626	Ok
6	-45.00	-93.50	486.2	73287.1	0.0	40208.9	0.006634	Ok
7	-45.00	-33.50	486.9	73287.1	538.2	41860.1	0.015828	Ok
8	-45.00	31.50	487.7	73287.1	1795.0	41727.1	0.037381	Ok

2-Trazione (Nodo n. 44, CMB n. 35)

Bull.	X [mm]	Y [mm]	$F_{t,Ed}$ [N]	$F_{t,Rd}$ [N]	FV_2	VER
1	45.00	-138.50	8995.9	16465.3	0.546354	Ok
2	45.00	-93.50	9865.9	40208.9	0.245367	Ok
3	45.00	-33.50	11026.0	41860.1	0.263401	Ok
4	45.00	31.50	12282.7	41727.1	0.294358	Ok
5	-45.00	-138.50	0.0	16465.3	0.000000	Ok
6	-45.00	-93.50	0.0	40208.9	0.000000	Ok
7	-45.00	-33.50	538.2	41860.1	0.012858	Ok
8	-45.00	31.50	1795.0	41727.1	0.043016	Ok

Legenda

$F_{v,Ed}$ forza di taglio agente sul bullone

$F_{v,Rd}$ resistenza a taglio di progetto del bullone

$F_{t,Ed}$ forza di trazione agente sul bullone

$F_{t,Rd}$ resistenza a trazione di progetto del bullone

$FV_1 = F_{v,Ed} / F_{v,Rd} + F_{t,Ed} / (1.4 \cdot F_{t,Rd})$

$FV_2 = F_{t,Ed} / F_{t,Rd}$

VER $\rightarrow FV_i \leq 1$

Verifiche sulle saldature profilo-flangia (versione beta)

Si considera la sezione di gola (avente altezza $a = s_c / 2^{0.5} = 2.828$) in posizione ribaltata: vengono considerate positive le tensioni normali di trazione e le tensioni tangenziali agenti verso destra e verso il basso. Tutte le tensioni sono espresse in N/mm^2 .

Verifica formula (4.2.84) (Nodo n. 44, CMB n. 35)

Cordoni	Lung. [mm]	$n_{\perp}$	$t_{\perp}$	$\tau_{\parallel}$	FV_1	VER ₁
Nervatura inferiore lato destro	93.0	-29.42	0.00	3.13	29.58	Ok
Nervatura inferiore lato sinistro	93.0	-29.42	0.00	3.13	29.58	Ok

Ala inferiore esterno	140.0	-171.20	0.00	-2.05	171.21	Ok
Ala inferiore interno lato destro	55.3	149.62	0.00	-2.05	149.64	Ok
Ala inferiore interno lato sinistro	55.3	-169.12	0.00	-2.05	169.13	Ok
Anima lato destro	92.0	9.13	0.00	3.13	9.65	Ok
Anima lato sinistro	92.0	9.13	0.00	3.13	9.65	Ok
Ala superiore interno lato destro	55.3	170.44	0.00	-2.05	170.46	Ok
Ala superiore interno lato sinistro	55.3	-148.30	0.00	-2.05	148.31	Ok

Verifica formula (4.2.85) (Nodo n. 44, CMB n. 35)

Cordoni	Lung.[mm]	$n_{\perp}$	$t_{\perp}$	$\tau_{\parallel}$	FV ₂	VER ₂
Nervatura inferiore lato destro	93.0	-29.42	0.00	3.13	29.42	Ok
Nervatura inferiore lato sinistro	93.0	-29.42	0.00	3.13	29.42	Ok
Ala inferiore esterno	140.0	-171.20	0.00	-2.05	171.20	Ok
Ala inferiore interno lato destro	55.3	149.62	0.00	-2.05	149.62	Ok
Ala inferiore interno lato sinistro	55.3	-169.12	0.00	-2.05	169.12	Ok
Anima lato destro	92.0	9.13	0.00	3.13	9.13	Ok
Anima lato sinistro	92.0	9.13	0.00	3.13	9.13	Ok
Ala superiore interno lato destro	55.3	170.44	0.00	-2.05	170.44	Ok
Ala superiore interno lato sinistro	55.3	-148.30	0.00	-2.05	148.30	Ok

Legenda

$n_{\perp}$ tensione normale perpendicolare all'asse del cordone

$t_{\perp}$ tensione tangenziale perpendicolare all'asse del cordone

$\tau_{\parallel}$ tensione tangenziale parallela all'asse del cordone

$$FV_1 = (n_{\perp}^2 + t_{\perp}^2 + \tau_{\parallel}^2)^{0.5}$$

$$FV_2 = |n_{\perp}| + |t_{\perp}|$$

$$VER_i \rightarrow FV_i \leq \beta_i \cdot f_{yk} \quad (\beta_1 \cdot f_{yk} = 192.50 \text{ N/mm}^2 \quad \beta_2 \cdot f_{yk} = 233.75 \text{ N/mm}^2)$$

Verifica del momento di progetto del giunto (Nodo n. 44, CMB n. 35)

Momento resistente del giunto $M_{j,Rd} = 14658080.0 \text{ N mm}$

Momento di progetto $M_{j,Ed} = 4390000.0 \text{ N mm}$

$$M_{j,Ed} / M_{j,Rd} = 0.299493 \quad \text{Ok}$$

Trave lato 3-

Tipo di profilo: HEA 140

Materiale: Acciaio S275 $f_y = 275 \text{ N/mm}^2$ $f_t = 430 \text{ N/mm}^2$ $\gamma_{ov} = 1.25$

Classe sezione: 1

Flangia:

Materiale: Acciaio S275 $f_y = 275 \text{ N/mm}^2$ $f_t = 430 \text{ N/mm}^2$ $\gamma_{ov} = 1.25$

Dimensioni (B x H x Sp): 140.0 x 230.0 x 15.0 mm

Spessore nervature verticali: 5.0 mm

Bullonature:

Viti cl. 8.8 Dadi 8 o 10 ($f_{yb} = 640 \text{ N/mm}^2$, $f_{tb} = 800 \text{ N/mm}^2$)

Diametro gambo $\varnothing = 18 \text{ mm}$ $A_{res} = 190.9 \text{ mm}^2$ (ridotta per filettatura)

Diametro dado/testa $d_m = 27 \text{ mm}$

Diametro foro $\varnothing_0 = 19 \text{ mm}$

Rigidezza giunto (calcolata secondo EN 1993-1-8 : 2005 par. 6.3):

$S_{j,ini}$ non calcolabile

Saldature:

Materiale: Acciaio S275 $f_y = 275 \text{ N/mm}^2$ $f_t = 430 \text{ N/mm}^2$ $\beta_1 = 0.70$ $\beta_2 = 0.85$

Spessore cordoni d'angolo $s_c = 4 \text{ mm}$

Sollecitazioni nella sezione d'attacco dell'elemento:

Nodo.CMB	V2 [N]	V3 [N]	N [N]	M2 [N mm]	M3 [N mm]	T [N mm]
40.1	3035.1	-501.8	5108.5	1025000.0	-426623.4	549.0
40.2	4366.3	-525.9	7185.5	1069000.0	-730534.9	585.0
40.3	3030.9	-598.3	4427.2	1218000.0	-411616.6	371.0

40.4	4362.1	-622.4	6504.2	1262000.0	-716124.9	407.0
40.5	2175.3	-473.0	3401.3	970037.0	-292100.3	537.0
40.6	3506.4	-497.1	5478.3	1014000.0	-596350.8	573.0
40.7	2171.1	-569.4	2720.0	1163000.0	-277093.5	359.0
40.8	3502.2	-593.5	4797.0	1207000.0	-580940.9	395.0
40.9	5697.4	-550.0	9262.5	1114000.0	-1034515.0	621.0
40.10	3032.2	-569.3	4631.6	1160000.0	-416112.9	424.0
40.11	5694.4	-617.5	8785.6	1249000.0	-1023937.0	496.0
40.12	4837.5	-521.2	7555.3	1059000.0	-900331.3	609.0
40.13	2172.4	-540.5	2924.4	1105000.0	-281589.8	412.0
40.14	4834.6	-588.7	7078.4	1194000.0	-889738.7	484.0
40.15	3028.6	-765.4	4262.2	1573000.0	-425862.7	882.0
40.16	4359.7	-789.5	6339.2	1618000.0	-730462.2	918.0
40.17	3025.6	-832.9	3785.3	1708000.0	-415366.2	757.0
40.18	4356.8	-857.0	5862.3	1753000.0	-719869.6	793.0
40.19	2168.8	-736.5	2555.0	1518000.0	-291339.6	869.0
40.20	3499.9	-760.6	4632.0	1563000.0	-595264.1	905.0
40.21	2165.8	-804.0	2078.1	1654000.0	-280844.1	745.0
40.22	3496.9	-828.1	4155.1	1698000.0	-584685.6	781.0
40.23	2420.3	-1341.4	3702.8	2676000.0	-545846.9	303.0
40.24	2784.6	-590.1	843.8	1161000.0	-1206764.0	1202.0
40.25	1761.6	391.4	8491.1	-780160.0	585816.8	-1197.0
40.26	2126.0	1142.7	5632.1	-2295000.0	-75077.0	-298.0
40.27	2431.9	-1370.8	3595.0	2736000.0	-570149.0	338.0
40.28	2773.1	-560.7	951.6	1102000.0	-1182380.0	1167.0
40.29	1773.2	362.0	8383.3	-720350.0	561514.6	-1162.0
40.30	2114.4	1172.1	5739.9	-2355000.0	-50774.8	-333.0
40.31	2648.2	-2068.5	1478.4	4152000.0	-976927.9	1084.0
40.32	3012.5	-1317.1	-1380.7	2637000.0	-1637744.0	1984.0
40.33	1533.8	1118.4	10715.6	-2256000.0	1016899.0	-1978.0
40.34	1898.1	1869.8	7856.5	-3771000.0	355991.0	-1079.0
40.35	2659.7	-2097.9	1370.5	4212000.0	-1001312.0	1119.0
40.36	3000.9	-1287.7	-1272.9	2577000.0	-1613374.0	1948.0
40.37	1545.3	1089.0	10607.7	-2196000.0	992582.6	-1943.0
40.38	1886.5	1899.2	7964.3	-3831000.0	380293.3	-1114.0
40.39	1764.7	-1611.5	8714.3	3234000.0	621289.4	-1272.0
40.40	2979.2	893.0	-815.9	-1816000.0	-1581422.0	1727.0
40.41	1567.1	-1091.7	10150.8	2197000.0	960789.6	-1722.0
40.42	2781.6	1412.8	620.6	-2853000.0	-1242185.0	1277.0
40.43	1833.0	-1829.6	8046.9	3677000.0	491958.5	-1037.0
40.44	3047.5	674.8	-1483.2	-1373000.0	-1710826.0	1961.0
40.45	1498.7	-873.6	10818.1	1754000.0	1090105.0	-1956.0
40.46	2713.2	1630.9	1287.9	-3295000.0	-1112795.0	1042.0
40.47	1803.2	-1709.5	8354.9	3433000.0	540258.6	-1155.0
40.48	2940.6	990.9	-456.5	-2015000.0	-1500846.0	1610.0
40.49	1605.6	-1189.6	9791.3	2396000.0	879758.8	-1605.0
40.50	2743.0	1510.8	980.0	-3052000.0	-1161609.0	1160.0
40.51	1871.6	-1927.6	7687.5	3876000.0	410941.8	-920.0
40.52	3009.0	772.8	-1123.8	-1572000.0	-1630236.0	1844.0
40.53	1537.3	-971.5	10458.7	1954000.0	1009089.0	-1839.0
40.54	2674.7	1728.9	1647.3	-3495000.0	-1032205.0	925.0
44.1	2628.4	388.1	16584.3	-631156.0	-1390710.0	-2149.0
44.2	3669.9	415.6	21991.9	-670942.0	-1970379.0	-2455.0
44.3	2597.6	431.2	16466.5	-700681.0	-1345037.0	-2585.0
44.4	3639.2	458.6	21874.2	-740466.0	-1924692.0	-2892.0
44.5	1884.4	362.7	12239.8	-593588.0	-974241.8	-1877.0
44.6	2926.0	390.2	17647.5	-633373.0	-1553897.0	-2184.0
44.7	1853.7	405.7	12122.0	-663113.0	-928555.2	-2313.0
44.8	2895.2	433.2	17529.7	-702898.0	-1508224.0	-2620.0
44.9	4711.4	443.1	27399.6	-710727.0	-2550048.0	-2762.0
44.10	2606.9	418.2	16501.8	-679823.0	-1358731.0	-2454.0

44.11	4689.9	473.2	27317.2	-759394.0	-2518069.0	-3067.0
44.12	3967.5	417.6	23055.2	-673159.0	-2133566.0	-2490.0
44.13	1862.9	392.8	12157.4	-642255.0	-942262.6	-2183.0
44.14	3946.0	447.8	22972.8	-721826.0	-2101587.0	-2796.0
44.15	2585.5	583.7	16928.6	-958665.1	-1311737.0	-2911.0
44.16	3627.0	611.2	22336.3	-998450.0	-1891407.0	-3217.0
44.17	2564.0	613.8	16846.1	-1007000.0	-1279758.0	-3216.0
44.18	3605.5	641.3	22253.8	-1047000.0	-1858427.0	-3523.0
44.19	1841.6	558.2	12584.1	-921097.0	-895255.2	-2639.0
44.20	2883.1	585.7	17991.8	-960882.0	-1474924.0	-2946.0
44.21	1820.1	588.4	12501.7	-969763.9	-863276.0	-2945.0
44.22	2861.6	615.9	17909.4	-1010000.0	-1441945.0	-3251.0
44.23	1942.8	102.6	13976.5	-82438.0	-989036.6	-518.0
44.24	1732.3	-109.9	12987.0	240217.0	-594144.9	1701.0
44.25	2291.4	269.8	11132.0	-478651.0	-1652058.0	-3387.0
44.26	2080.9	57.3	10142.5	-155996.0	-1257634.0	-1169.0
44.27	1925.1	114.8	14190.2	-105911.0	-956523.4	-521.0
44.28	1750.0	-122.1	12773.4	263689.0	-626225.0	1704.0
44.29	2273.7	282.0	11345.7	-502123.0	-1620545.0	-3391.0
44.30	2098.6	45.1	9928.9	-132524.0	-1290147.0	-1166.0
44.31	1807.6	4.2	14338.7	126933.0	-739107.3	705.0
44.32	1597.1	-208.3	13349.2	449588.0	-344646.5	2923.0
44.33	2426.6	368.2	10769.8	-688022.0	-1902063.0	-4610.0
44.34	2216.1	155.7	9780.3	-365367.0	-1507638.0	-2391.0
44.35	1789.8	16.4	14552.4	103461.0	-707041.1	701.0
44.36	1614.8	-220.5	13135.6	473060.0	-376726.6	2926.0
44.37	2408.9	380.4	10983.5	-711494.0	-1869550.0	-4613.0
44.38	2233.8	143.5	9566.7	-341895.0	-1539151.0	-2388.0
44.39	2310.4	409.1	14135.4	-597544.0	-1681389.0	-4111.0
44.40	1608.7	-299.3	10837.0	477973.0	-366252.7	3285.0
44.41	2414.9	459.2	13282.0	-716407.0	-1880707.0	-4971.0
44.42	1713.3	-249.2	9983.7	359109.0	-565371.3	2424.0
44.43	2269.8	379.5	14244.0	-534732.0	-1606093.0	-3744.0
44.44	1568.2	-328.8	10945.7	540784.0	-291394.9	3651.0
44.45	2455.5	488.7	13173.4	-779219.0	-1955002.0	-5338.0
44.46	1753.9	-219.6	9875.0	296298.0	-640215.1	2057.0
44.47	2251.3	449.7	14847.5	-675784.0	-1574692.0	-4121.0
44.48	1667.8	-340.0	10124.9	556213.0	-473173.2	3295.0
44.49	2355.9	499.9	13994.2	-794648.0	-1772996.0	-4982.0
44.50	1772.4	-289.8	9271.5	437350.0	-672291.8	2434.0
44.51	2210.7	420.2	14956.2	-612973.0	-1499397.0	-3754.0
44.52	1627.2	-369.5	10233.6	619025.0	-398329.4	3662.0
44.53	2396.4	529.4	13885.5	-857459.0	-1848306.0	-5349.0
44.54	1813.0	-260.3	9162.9	374538.0	-747273.5	2068.0

Calcolo resistenze

Resistenza a trazione dei bulloni

$$F_{tb,Rd} = 0.9 \cdot f_{tb} \cdot A_{res} / \gamma_{M2} = 109930.6 \text{ N}$$

Resistenza a punzonamento flangia

$$B_{pf,Rd} = 0.6 \cdot \pi \cdot d_m \cdot t_f \cdot f_{tk} / \gamma_{M2} = 262612.0 \text{ N}$$

Bull.	$F_{f,Rd} \text{ [N]}$	$F_{t,Rd} \text{ [N]}$
1	16465.3	16465.3
2	40208.9	40208.9
3	41860.1	41860.1
4	41727.1	41727.1
5	16465.3	16465.3
6	40208.9	40208.9
7	41860.1	41860.1
8	41727.1	41727.1

Legenda

$F_{f,Rd} = M_{res,m} / (B_m \cdot R_m)$ resistenza a flessione flangia

$F_{t,Rd} = \min [F_{tb,Rd} , B_{pf,Rd} , F_{f,Rd}]$ resistenza a trazione di progetto

Resistenza a taglio dei bulloni

$$F_{vb,Rd} = 0.6 \cdot f_{tb} \cdot A_{res} / \gamma_{M2} =$$

73287.1 N

Bull.	$F_{bf,x,Rd}$ [N]	$F_{v,x,Rd}$ [N]	$F_{bf,y,Rd}$ [N]	$F_{v,y,Rd}$ [N]
1	80830.5	73287.1	80830.5	73287.1
2	65822.2	65822.2	99421.5	73287.1
3	101842.1	73287.1	147919.8	73287.1
4	101842.1	73287.1	113162.7	73287.1
5	80830.5	73287.1	80830.5	73287.1
6	65822.2	65822.2	99421.5	73287.1
7	101842.1	73287.1	147919.8	73287.1
8	101842.1	73287.1	113162.7	73287.1

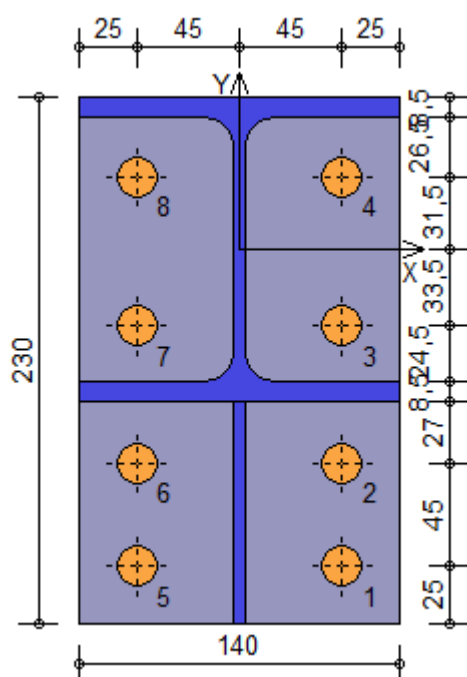
Legenda

$F_{bf,x,Rd} = k \cdot \alpha \cdot f_{tk} \cdot \phi \cdot t_f / \gamma_{M2}$ resistenza a rifollamento flangia in direzione x

$F_{v,x,Rd} = \min [F_{vb,Rd} , F_{bf,x,Rd}]$ resistenza a taglio di progetto in direzione x

$F_{bf,y,Rd} = k \cdot \alpha \cdot f_{tk} \cdot \phi \cdot t_f / \gamma_{M2}$ resistenza a rifollamento flangia in direzione y

$F_{v,y,Rd} = \min [F_{vb,Rd} , F_{bf,y,Rd}]$ resistenza a taglio di progetto in direzione y



Verifiche sui bulloni

1-Taglio e trazione (Nodo n. 40, CMB n. 51)

Bull.	X [mm]	Y [mm]	$F_{v,Ed}$ [N]	$F_{v,Rd}$ [N]	$F_{t,Ed}$ [N]	$F_{t,Rd}$ [N]	FV_1	VER
1	45.00	-138.50	337.5	73287.1	9900.8	16465.3	0.434115	Ok
2	45.00	-93.50	336.9	65822.2	10011.7	40208.9	0.182969	Ok
3	45.00	-33.50	336.1	73287.1	10159.5	41860.1	0.177944	Ok
4	45.00	31.50	335.2	73287.1	10319.6	41727.1	0.181225	Ok
5	-45.00	-138.50	336.3	73287.1	47.0	16465.3	0.006629	Ok
6	-45.00	-93.50	335.7	65822.2	157.9	40208.9	0.007905	Ok
7	-45.00	-33.50	334.9	73287.1	305.7	41860.1	0.009786	Ok
8	-45.00	31.50	334.0	73287.1	465.8	41727.1	0.012531	Ok

2-Trazione (Nodo n. 40, CMB n. 51)

Bull.	X [mm]	Y [mm]	$F_{t,Ed}$ [N]	$F_{t,Rd}$ [N]	FV_2	VER
1	45.00	-138.50	9900.8	16465.3	0.601313	Ok
2	45.00	-93.50	10011.7	40208.9	0.248991	Ok
3	45.00	-33.50	10159.5	41860.1	0.242701	Ok
4	45.00	31.50	10319.6	41727.1	0.247311	Ok
5	-45.00	-138.50	47.0	16465.3	0.002856	Ok
6	-45.00	-93.50	157.9	40208.9	0.003926	Ok
7	-45.00	-33.50	305.7	41860.1	0.007302	Ok
8	-45.00	31.50	465.8	41727.1	0.011163	Ok

Legenda

$F_{v,Ed}$ forza di taglio agente sul bullone
 $F_{v,Rd}$ resistenza a taglio di progetto del bullone
 $F_{t,Ed}$ forza di trazione agente sul bullone
 $F_{t,Rd}$ resistenza a trazione di progetto del bullone
 $FV_1 = F_{v,Ed} / F_{v,Rd} + F_{t,Ed} / (1.4 \cdot F_{t,Rd})$
 $FV_2 = F_{t,Ed} / F_{t,Rd}$
 $VER \rightarrow FV_i \leq 1$

Verifiche sulle saldature profilo-flangia (versione beta)

Si considera la sezione di gola (avente altezza $a = s_c / 2^{0.5} = 2.828$) in posizione ribaltata: vengono considerate positive le tensioni normali di trazione e le tensioni tangenziali agenti verso destra e verso il basso. Tutte le tensioni sono espresse in N/mm².

Verifica formula (4.2.84) (Nodo n. 40, CMB n. 35)

Cordoni	Lung.[mm]	$n_{\perp}$	$t_{\perp}$	$\tau_{\parallel}$	FV_1	VER_1
Nervatura inferiore lato destro	93.0	-13.24	0.00	2.54	13.48	Ok
Nervatura inferiore lato sinistro	93.0	-13.24	0.00	2.54	13.48	Ok
Ala inferiore esterno	140.0	-158.02	0.00	-2.05	158.03	Ok
Ala inferiore interno lato destro	55.3	148.76	0.00	-2.05	148.78	Ok
Ala inferiore interno lato sinistro	55.3	-157.06	0.00	-2.05	157.07	Ok
Anima lato destro	92.0	4.57	0.00	2.54	5.23	Ok
Anima lato sinistro	92.0	4.57	0.00	2.54	5.23	Ok
Ala superiore interno lato destro	55.3	158.38	0.00	-2.05	158.40	Ok
Ala superiore interno lato sinistro	55.3	-147.44	0.00	-2.05	147.45	Ok

Verifica formula (4.2.85) (Nodo n. 40, CMB n. 35)

Cordoni	Lung.[mm]	$n_{\perp}$	$t_{\perp}$	$\tau_{\parallel}$	FV_2	VER_2
Nervatura inferiore lato destro	93.0	-13.24	0.00	2.54	13.24	Ok
Nervatura inferiore lato sinistro	93.0	-13.24	0.00	2.54	13.24	Ok
Ala inferiore esterno	140.0	-158.02	0.00	-2.05	158.02	Ok
Ala inferiore interno lato destro	55.3	148.76	0.00	-2.05	148.76	Ok
Ala inferiore interno lato sinistro	55.3	-157.06	0.00	-2.05	157.06	Ok
Anima lato destro	92.0	4.57	0.00	2.54	4.57	Ok
Anima lato sinistro	92.0	4.57	0.00	2.54	4.57	Ok
Ala superiore interno lato destro	55.3	158.38	0.00	-2.05	158.38	Ok
Ala superiore interno lato sinistro	55.3	-147.44	0.00	-2.05	147.44	Ok

Legenda

$n_{\perp}$ tensione normale perpendicolare all'asse del cordone

$t_{\perp}$ tensione tangenziale perpendicolare all'asse del cordone

$\tau_{\parallel}$ tensione tangenziale parallela all'asse del cordone

$$FV_1 = (n_{\perp}^2 + t_{\perp}^2 + \tau_{\parallel}^2)^{0.5}$$

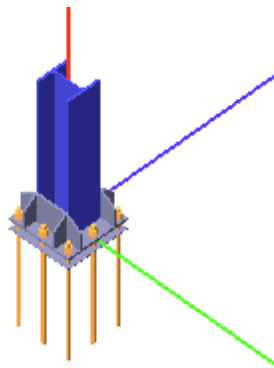
$$FV_2 = |n_{\perp}| + |t_{\perp}|$$

$$VER_i \rightarrow FV_i \leq \beta_i \cdot f_{yk} \quad (\beta_1 \cdot f_{yk} = 192.50 \text{ N/mm}^2 \quad \beta_2 \cdot f_{yk} = 233.75 \text{ N/mm}^2)$$

Verifica del momento di progetto del giunto (Nodo n. 40, CMB n. 35)

Momento resistente del giunto	$M_{j,Rd} =$	14871120.0 N mm
Momento di progetto	$M_{j,Ed} =$	4212000.0 N mm
$M_{j,Ed} / M_{j,Rd} = 0.283234 \quad \text{Ok}$		

Verifica secondo il D.M. 17/01/2018 del nodo 45



Coefficienti di sicurezza utilizzati

$$\gamma_{M0} = 1.05$$

$$\gamma_{M1} = 1.10$$

$$\gamma_{M2} = 1.25$$

Colonna

Tipo di profilo: HEB 200

Materiale: Acciaio S275 $f_y = 275 \text{ N/mm}^2$ $f_t = 430 \text{ N/mm}^2$ $\gamma_{ov} = 1.25$

Classe sezione: 1

Flangia:

Materiale: Acciaio S275 $f_y = 275 \text{ N/mm}^2$ $f_t = 430 \text{ N/mm}^2$ $\gamma_{ov} = 1.25$

Dimensioni (B x H x Sp): 370.0 x 370.0 x 15.0 mm

Spessore nervature verticali: 15.0 mm

Spessore nervature orizzontali: 15.0 mm

Bullonature:

Viti cl. 8.8 Dadi 8 o 10 ($f_{yb} = 640 \text{ N/mm}^2$, $f_{tb} = 800 \text{ N/mm}^2$)

Diametro gambo $\varnothing = 24 \text{ mm}$ $A_{res} = 352.9 \text{ mm}^2$ (ridotta per filettatura)

Diametro dado/testa $d_m = 36 \text{ mm}$

Diametro foro $\varnothing_0 = 25.5 \text{ mm}$

Rigidezza giunto (calcolata secondo EN 1993-1-8 : 2005 par. 6.3):

$S_{j,ini}$ non calcolabile

Saldature:

Materiale: Acciaio S275 $f_y = 275 \text{ N/mm}^2$ $f_t = 430 \text{ N/mm}^2$ $\beta_1 = 0.70$ $\beta_2 = 0.85$

Spessore cordoni d'angolo $s_c = 10 \text{ mm}$

Sollecitazioni:

Nodo.CMB	V2 [N]	V3 [N]	N [N]	M2 [N mm]	M3 [N mm]	T [N mm]
45.1	1573.7	-427.7	-34334.1	778275.0	-2334000.0	-1034.0
45.2	1489.4	-432.2	-36423.5	780758.0	-2226000.0	-1023.0
45.3	3925.6	6.8	-56487.5	-316781.0	-5893000.0	321.0
45.4	3841.2	2.3	-58576.9	-314298.0	-5786000.0	332.0
45.5	1113.0	-384.4	-25205.3	753267.0	-1645000.0	-1147.0
45.6	1028.6	-388.9	-27294.7	755750.0	-1537000.0	-1136.0
45.7	3464.8	50.1	-47358.7	-341788.0	-5204000.0	208.0
45.8	3380.4	45.6	-49448.1	-339305.0	-5097000.0	219.0
45.9	1405.0	-436.7	-38512.9	783241.0	-2119000.0	-1011.0
45.10	3220.0	-123.5	-49841.5	11736.0	-4825000.0	-85.0
45.11	3051.3	-132.6	-54020.2	16702.0	-4611000.0	-63.0
45.12	944.2	-393.4	-29384.1	758234.0	-1430000.0	-1125.0
45.13	2759.2	-80.2	-40712.7	-13271.0	-4136000.0	-198.0

45.14	2590.5	-89.3	-44891.4	-8305.0	-3922000.0	-176.0
45.15	1566.3	-576.8	-34601.5	1195000.0	-2298000.0	-2023.0
45.16	1482.0	-581.4	-36690.8	1198000.0	-2191000.0	-2012.0
45.17	3212.6	-272.7	-50108.8	428500.0	-4790000.0	-1075.0
45.18	3128.3	-277.2	-52198.2	430984.0	-4682000.0	-1064.0
45.19	1105.6	-533.5	-25472.7	1170000.0	-1609000.0	-2137.0
45.20	1021.2	-538.1	-27562.0	1173000.0	-1501000.0	-2125.0
45.21	2751.9	-229.4	-40980.0	403493.0	-4101000.0	-1188.0
45.22	2667.5	-233.9	-43069.4	405976.0	-3993000.0	-1177.0
45.23	9878.9	-1245.0	-35264.1	3011000.0	-27840000.0	-4574.0
45.24	7164.6	-3820.5	-37416.1	9827000.0	-19730000.0	-16182.0
45.25	-3868.3	3677.3	-22521.1	-10020000.0	14750000.0	17410.0
45.26	-6582.7	1101.9	-24673.1	-3205000.0	22860000.0	5802.0
45.27	9748.9	-1499.6	-35286.3	3707000.0	-27500000.0	-5830.0
45.28	7294.6	-3565.9	-37394.0	9132000.0	-20060000.0	-14926.0
45.29	-3998.4	3422.7	-22543.3	-9325000.0	15090000.0	16154.0
45.30	-6452.7	1356.5	-24651.0	-3900000.0	22530000.0	7058.0
45.31	8589.2	-2606.6	-33090.8	6626000.0	-23380000.0	-10793.0
45.32	5874.9	-5182.0	-35242.8	13440000.0	-15270000.0	-22402.0
45.33	-2578.6	5038.9	-24694.5	-13640000.0	10300000.0	23630.0
45.34	-5292.9	2463.4	-26846.5	-6820000.0	18400000.0	12021.0
45.35	8459.2	-2861.2	-33112.9	7321000.0	-23050000.0	-12049.0
45.36	6004.9	-4927.4	-35220.6	12750000.0	-15610000.0	-21146.0
45.37	-2708.6	4784.3	-24716.6	-12940000.0	10630000.0	22374.0
45.38	-5162.9	2718.0	-26824.3	-7515000.0	18070000.0	13277.0
45.39	8234.1	3482.5	-28293.4	-9502000.0	-22390000.0	16664.0
45.40	-813.7	-5102.4	-35466.7	13220000.0	4635000.0	-22031.0
45.41	4109.9	4959.2	-24470.5	-13410000.0	-9612000.0	23259.0
45.42	-4937.9	-3625.6	-31643.8	9308000.0	17410000.0	-15436.0
45.43	7847.2	3074.0	-27641.4	-8417000.0	-21050000.0	14798.0
45.44	-1200.6	-5510.8	-34814.7	14300000.0	5972000.0	-23897.0
45.45	4496.9	5367.6	-25122.5	-14500000.0	-10950000.0	25125.0
45.46	-4550.9	-3217.2	-32295.8	8224000.0	16080000.0	-13570.0
45.47	7800.7	2633.8	-28367.2	-7184000.0	-21280000.0	12477.0
45.48	-380.3	-4253.7	-35392.9	10900000.0	3525000.0	-17844.0
45.49	3676.5	4110.6	-24544.3	-11090000.0	-8502000.0	19072.0
45.50	-4504.5	-2777.0	-31570.0	6991000.0	16300000.0	-11249.0
45.51	7413.8	2225.4	-27715.2	-6100000.0	-19940000.0	10611.0
45.52	-767.2	-4662.2	-34740.9	11980000.0	4861000.0	-19710.0
45.53	4063.5	4519.0	-25196.3	-12180000.0	-9838000.0	20938.0
45.54	-4117.5	-2368.6	-32222.0	5906000.0	14970000.0	-9383.0

Calcolo resistenze

Resistenza a trazione dei bulloni $F_{tb,Rd} = 0.9 \cdot f_{tb} \cdot A_{res} / \gamma_{M2} = 203249.5 \text{ N}$

Resistenza a punzonamento flangia $B_{pf,Rd} = 0.6 \cdot \pi \cdot d_m \cdot t_f \cdot f_{tk} / \gamma_{M2} = 350149.3 \text{ N}$

Bull.	$F_{f,Rd} \text{ [N]}$	$F_{t,Rd} \text{ [N]}$
1	40604.8	40604.8
2	43651.7	43651.7
3	40604.8	40604.8
4	43375.4	43375.4
5	43375.4	43375.4
6	40604.8	40604.8
7	43651.7	43651.7
8	40604.8	40604.8

Legenda

$F_{f,Rd} = M_{res,m} / (B_m \cdot R_m)$ resistenza a flessione flangia

$F_{t,Rd} = \min [F_{tb,Rd}, B_{pf,Rd}, F_{f,Rd}]$ resistenza a trazione di progetto

Resistenza a taglio dei bulloni $F_{vb,Rd} = 0.6 \cdot f_{tb} \cdot A_{res} / \gamma_{M2} = 135499.7 \text{ N}$

Bull.	$F_{bf,x,Rd} \text{ [N]}$	$F_{v,x,Rd} \text{ [N]}$	$F_{bf,y,Rd} \text{ [N]}$	$F_{v,y,Rd} \text{ [N]}$
1	82229.8	82229.8	82229.8	82229.8

2	123840.0	123840.0	205574.5	135499.7
3	82229.8	82229.8	82229.8	82229.8
4	205574.5	135499.7	123840.0	123840.0
5	205574.5	135499.7	123840.0	123840.0
6	82229.8	82229.8	82229.8	82229.8
7	123840.0	123840.0	205574.5	135499.7
8	82229.8	82229.8	82229.8	82229.8

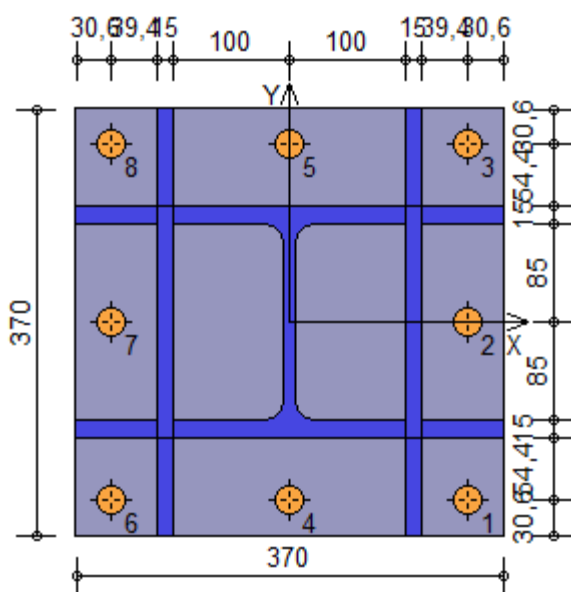
Legenda

$F_{bf,x,Rd} = k \cdot \alpha \cdot f_{tk} \cdot \varnothing \cdot t_f / \gamma_{M2}$ resistenza a rifollamento flangia in direzione x

$F_{v,x,Rd} = \min [F_{vb,Rd} , F_{bf,x,Rd}]$ resistenza a taglio di progetto in direzione x

$F_{bf,y,Rd} = k \cdot \alpha \cdot f_{tk} \cdot \varnothing \cdot t_f / \gamma_{M2}$ resistenza a rifollamento flangia in direzione y

$F_{v,y,Rd} = \min [F_{vb,Rd} , F_{bf,y,Rd}]$ resistenza a taglio di progetto in direzione y



Verifiche sui bulloni

1-Taglio e trazione (Nodo n. 45, CMB n. 27)

Bull.	X [mm]	Y [mm]	$F_{v,Ed}$ [N]	$F_{v,Rd}$ [N]	$F_{t,Ed}$ [N]	$F_{t,Rd}$ [N]	FV_1	VER
1	154.40	-154.40	1236.5	82229.8	0.0	40604.8	0.015038	Ok
2	154.40	0.00	1236.1	135499.7	6456.0	43651.7	0.114763	Ok
3	154.40	154.40	1235.6	82229.8	28168.6	40604.8	0.510544	Ok
4	0.00	-154.40	1233.4	123840.0	0.0	43375.4	0.009960	Ok
5	0.00	154.40	1232.5	123840.0	25543.0	43375.4	0.430582	Ok
6	-154.40	-154.40	1230.3	82229.8	0.0	40604.8	0.014962	Ok
7	-154.40	0.00	1229.8	135499.7	1204.8	43651.7	0.028791	Ok
8	-154.40	154.40	1229.4	82229.8	22917.4	40604.8	0.418094	Ok

2-Trazione (Nodo n. 45, CMB n. 27)

Bull.	X [mm]	Y [mm]	$F_{t,Ed}$ [N]	$F_{t,Rd}$ [N]	FV_2	VER
1	154.40	-154.40	0.0	40604.8	0.000000	Ok
2	154.40	0.00	6456.0	43651.7	0.147898	Ok
3	154.40	154.40	28168.6	40604.8	0.693725	Ok
4	0.00	-154.40	0.0	43375.4	0.000000	Ok
5	0.00	154.40	25543.0	43375.4	0.588882	Ok
6	-154.40	-154.40	0.0	40604.8	0.000000	Ok
7	-154.40	0.00	1204.8	43651.7	0.027600	Ok
8	-154.40	154.40	22917.4	40604.8	0.564401	Ok

Legenda

$F_{v,Ed}$ forza di taglio agente sul bullone

$F_{v,Rd}$ resistenza a taglio di progetto del bullone

$F_{t,Ed}$ forza di trazione agente sul bullone

$F_{t,Rd}$ resistenza a trazione di progetto del bullone

$$FV_1 = F_{v,Ed} / F_{v,Rd} + F_{t,Ed} / (1.4 \cdot F_{t,Rd})$$

$$FV_2 = F_{t,Ed} / F_{t,Rd}$$

$$VER \rightarrow FV_i \leq 1$$

Verifiche sulle saldature profilo-flangia (versione beta)

Si considera la sezione di gola (avente altezza $a = s_c / 2^{0.5} = 7.071$) in posizione ribaltata: vengono considerate positive le tensioni normali di trazione e le tensioni tangenziali agenti verso destra e verso il basso. Tutte le tensioni sono espresse in N/mm².

Verifica formula (4.2.84) (Nodo n. 45, CMB n. 27)

Cordoni	Lung.[mm]	$n_{\perp}$	$t_{\perp}$	$\tau_{\parallel}$	FV ₁	VER ₁
Nerv. verticale lato destro esterno	370.0	27.33	0.00	0.86	27.34	Ok
Nerv. vert. lato destro interno zona inferiore	75.0	-27.17	0.00	0.86	27.19	Ok
Nerv. vert. lato sinistro interno zona inferiore	75.0	-30.51	0.00	0.86	30.52	Ok
Nerv. verticale lato sinistro esterno	370.0	-30.89	0.00	0.86	30.90	Ok
Nerv. orizz. inferiore lato destro esterno	60.0	-14.77	0.00	-0.18	14.77	Ok
Ala inferiore esterno	200.0	-18.66	0.00	-0.18	18.66	Ok
Nerv. orizz. inferiore lato sinistro esterno	60.0	-20.13	0.00	-0.18	20.13	Ok
Nerv. orizz. inferiore lato destro interno	60.0	-11.54	0.00	-0.18	11.54	Ok
Ala inferiore interno lato destro	77.5	-13.31	0.00	-0.18	13.31	Ok
Ala inferiore interno lato sinistro	77.5	-15.43	0.00	-0.18	15.43	Ok
Nerv. orizz. inferiore lato sinistro interno	60.0	-16.90	0.00	-0.18	16.90	Ok
Nerv. vert. lato destro interno zona centrale	150.0	-11.09	0.00	0.86	11.12	Ok
Anima lato destro	134.0	-11.58	0.00	0.86	11.62	Ok
Anima lato sinistro	134.0	-11.58	0.00	0.86	11.62	Ok
Nerv. vert. lato sinistro interno zona centrale	150.0	-14.42	0.00	0.86	14.45	Ok
Nerv. orizz. superiore lato destro interno	60.0	13.33	0.00	-0.18	13.33	Ok
Ala superiore interno lato destro	77.5	11.86	0.00	-0.18	11.86	Ok
Ala superiore interno lato sinistro	77.5	9.74	0.00	-0.18	9.74	Ok
Nerv. orizz. superiore lato sinistro interno	60.0	7.97	0.00	-0.18	7.97	Ok
Nerv. orizz. superiore lato destro esterno	60.0	16.56	0.00	-0.18	16.56	Ok
Ala superiore esterno	200.0	13.36	0.00	-0.18	13.36	Ok
Nerv. orizz. superiore lato sinistro esterno	60.0	11.20	0.00	-0.18	11.20	Ok
Nerv. vert. lato destro interno zona superiore	75.0	26.94	0.00	0.86	26.96	Ok
Nerv. vert. lato sinistro interno zona superiore	75.0	23.61	0.00	0.86	23.62	Ok

Verifica formula (4.2.85) (Nodo n. 45, CMB n. 27)

Cordoni	Lung.[mm]	$n_{\perp}$	$t_{\perp}$	$\tau_{\parallel}$	FV ₂	VER ₂
Nerv. verticale lato destro esterno	370.0	27.33	0.00	0.86	27.33	Ok
Nerv. vert. lato destro interno zona inferiore	75.0	-27.17	0.00	0.86	27.17	Ok
Nerv. vert. lato sinistro interno zona inferiore	75.0	-30.51	0.00	0.86	30.51	Ok
Nerv. verticale lato sinistro esterno	370.0	-30.89	0.00	0.86	30.89	Ok
Nerv. orizz. inferiore lato destro esterno	60.0	-14.77	0.00	-0.18	14.77	Ok
Ala inferiore esterno	200.0	-18.66	0.00	-0.18	18.66	Ok
Nerv. orizz. inferiore lato sinistro esterno	60.0	-20.13	0.00	-0.18	20.13	Ok
Nerv. orizz. inferiore lato destro interno	60.0	-11.54	0.00	-0.18	11.54	Ok
Ala inferiore interno lato destro	77.5	-13.31	0.00	-0.18	13.31	Ok
Ala inferiore interno lato sinistro	77.5	-15.43	0.00	-0.18	15.43	Ok
Nerv. orizz. inferiore lato sinistro interno	60.0	-16.90	0.00	-0.18	16.90	Ok
Nerv. vert. lato destro interno zona centrale	150.0	-11.09	0.00	0.86	11.09	Ok
Anima lato destro	134.0	-11.58	0.00	0.86	11.58	Ok
Anima lato sinistro	134.0	-11.58	0.00	0.86	11.58	Ok
Nerv. vert. lato sinistro interno zona centrale	150.0	-14.42	0.00	0.86	14.42	Ok
Nerv. orizz. superiore lato destro interno	60.0	13.33	0.00	-0.18	13.33	Ok
Ala superiore interno lato destro	77.5	11.86	0.00	-0.18	11.86	Ok
Ala superiore interno lato sinistro	77.5	9.74	0.00	-0.18	9.74	Ok
Nerv. orizz. superiore lato sinistro interno	60.0	7.97	0.00	-0.18	7.97	Ok
Nerv. orizz. superiore lato destro esterno	60.0	16.56	0.00	-0.18	16.56	Ok
Ala superiore esterno	200.0	13.36	0.00	-0.18	13.36	Ok
Nerv. orizz. superiore lato sinistro esterno	60.0	11.20	0.00	-0.18	11.20	Ok
Nerv. vert. lato destro interno zona superiore	75.0	26.94	0.00	0.86	26.94	Ok
Nerv. vert. lato sinistro interno zona superiore	75.0	23.61	0.00	0.86	23.61	Ok

Legenda

$n_{\perp}$ tensione normale perpendicolare all'asse del cordone

$t_{\perp}$ tensione tangenziale perpendicolare all'asse del cordone

$\tau_{\parallel}$ tensione tangenziale parallela all'asse del cordone

$$FV_1 = (n_{\perp}^2 + t_{\perp}^2 + \tau_{\parallel}^2)^{0.5}$$

$$FV_2 = |n_{\perp}| + |t_{\perp}|$$

$$VER_i \rightarrow FV_i \leq \beta_i \cdot f_{yk} \quad (\beta_1 \cdot f_{yk} = 192.50 \text{ N/mm}^2 \quad \beta_2 \cdot f_{yk} = 233.75 \text{ N/mm}^2)$$

Verifiche a flessione piastra in zona compressa

Sezione parallela a X a filo della colonna (Nodo n. 45, CMB n. 23)

Pressione media a bordo piastra	$p_{med} = 4,24 \text{ N/mm}^2$
Carico lineare sbalzo	$q_{lin} = 1570,11 \text{ N/mm}$
Lunghezza sbalzo	$L_s = 85,0 \text{ mm}$
Modulo di resistenza minimo	$W_{min} = 236767,4 \text{ mm}^3$
Momento resistente	$M_{p,Rd} = 62010500,0 \text{ N mm}$
Momento massimo	$M_{p,Ed} = 5672021,0 \text{ N mm}$
$M_{p,Ed} / M_{p,Rd} = 0,091469 \quad \text{Ok}$	

Sezione parallela a Y a filo della nervatura verticale (Nodo n. 45, CMB n. 39)

Pressione media a bordo piastra	$p_{med} = 2,50 \text{ N/mm}^2$
Carico lineare sbalzo	$q_{lin} = 925,35 \text{ N/mm}$
Lunghezza sbalzo	$L_s = 70,0 \text{ mm}$
Modulo di resistenza minimo	$W_{min} = 236767,4 \text{ mm}^3$
Momento resistente	$M_{p,Rd} = 62010500,0 \text{ N mm}$
Momento massimo	$M_{p,Ed} = 2267110,0 \text{ N mm}$
$M_{p,Ed} / M_{p,Rd} = 0,036560 \quad \text{Ok}$	

Verifica del momento di progetto del giunto (Nodo n. 45, CMB n. 31)

Momento resistente del giunto	$M_{j,Rd} = 35266100,0 \text{ N mm}$
Momento di progetto	$M_{j,Ed} = 19122250,0 \text{ N mm}$
$M_{j,Ed} / M_{j,Rd} = 0,542228 \quad \text{Ok}$	

Ancoraggio

Tirafondi ad aderenza

Lunghezza tirafondi $L_t = 600 \text{ mm}$

Lunghezza minima tirafondi: 40 diametri (960 mm)

Calcestruzzo

Resistenza cubica caratteristica a compressione	$R_{ck} =$	30.00 N/mm ²
Resistenza cilindrica caratteristica a compressione	$f_{ck} = 0.83 \cdot R_{ck} =$	24.90 N/mm ²
Resistenza di calcolo a compressione	$f_{cd} = \alpha_{cc} \cdot f_{ck} / \gamma_c =$	14.11 N/mm ²
Resistenza caratteristica a trazione	$f_{ctk} = 0.7 \cdot 0.30 \cdot f_{ck}^{2/3} =$	1.79 N/mm ²
Resistenza tangenziale di aderenza di calcolo	$f_{bd} = 2.25 \cdot \eta_1 \cdot \eta_2 \cdot f_{ctk} / \gamma_c =$	2.69 N/mm ²

Compressione massima calcestruzzo (Nodo n. 45, CMB n. 39)

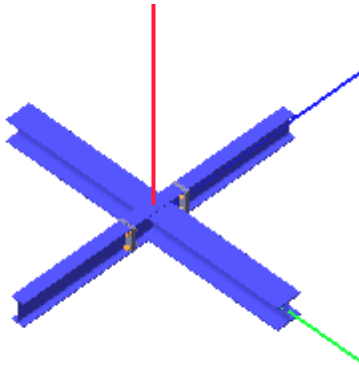
$$p_{max} = 5.00 \text{ N/mm}^2 < f_{cd} \quad \text{Ok}$$

Verifica ancoraggio

Si considera la massima sollecitazione di trazione agente nei tirafondi (Nodo n. 45, CMB n. 27)

Trazione di progetto dell'ancoraggio	$F_{t,an,Ed} = \max [F_{t,Ed}] =$	28168.6 N
Resistenza a trazione per aderenza	$F_{t,ad,Rd} = L_t \cdot \pi \cdot \varnothing \cdot f_{bd} =$	121512.9 N
$F_{t,ad,Rd} > F_{t,an,Ed} \quad \text{Ok}$		

Verifica secondo il D.M. 17/01/2018 del nodo 69



Trave 2

Tipo di profilo: HEA 140

Materiale: Acciaio S275 $f_y = 275 \text{ N/mm}^2$ $f_t = 430 \text{ N/mm}^2$ $\gamma_{ov} = 1.25$

Classe sezione: 1

Coefficienti di sicurezza utilizzati

$\gamma_{M0} = 1.05$

$\gamma_{M1} = 1.10$

$\gamma_{M2} = 1.25$

Trave lato 3+

Tipo di profilo: IPE 140

Materiale: Acciaio S275 $f_y = 275 \text{ N/mm}^2$ $f_t = 430 \text{ N/mm}^2$ $\gamma_{ov} = 1.25$

Classe sezione: 1

Flangia:

Materiale: Acciaio S275 $f_y = 275 \text{ N/mm}^2$ $f_t = 430 \text{ N/mm}^2$ $\gamma_{ov} = 1.25$

Dimensioni (B x H x Sp): 85.5 x 140.0 x 8.0 mm

Bullonature:

Viti cl. 8.8 Dadi 8 o 10 ($f_{yb} = 640 \text{ N/mm}^2$, $f_{tb} = 800 \text{ N/mm}^2$)

Diametro gambo $\varnothing = 16 \text{ mm}$ $A_{res} = 156.8 \text{ mm}^2$ (ridotta per filettatura)

Diametro dado/testa $d_m = 24 \text{ mm}$

Diametro foro $\varnothing_0 = 17 \text{ mm}$

Rigidezza giunto (calcolata secondo EN 1993-1-8 : 2005 par. 6.3):

$S_{j,ini}$ non calcolabile

Saldature:

Materiale: Acciaio S275 $f_y = 275 \text{ N/mm}^2$ $f_t = 430 \text{ N/mm}^2$ $\beta_1 = 0.70$ $\beta_2 = 0.85$

Spessore cordoni d'angolo $s_c = 3 \text{ mm}$

Sollecitazioni nella sezione d'attacco dell'elemento:

Nodo.CMB	V2 [N]	V3 [N]	N [N]	M2 [N mm]	M3 [N mm]	T [N mm]
69.1	1582.2	-107.8	1933.5	95658.0	0.0	-99.0
69.2	2296.2	-124.8	2009.7	110319.0	0.0	-136.0
69.3	1582.2	-120.8	1922.4	107456.0	0.0	-7.0
69.4	2296.2	-137.8	1998.7	122118.0	0.0	-44.0
69.5	1132.8	-93.9	1869.9	83602.0	0.0	-89.0
69.6	1846.8	-110.9	1946.2	98264.0	0.0	-126.0
69.7	1132.8	-106.8	1858.9	95401.0	0.0	3.0
69.8	1846.8	-123.9	1935.2	110062.0	0.0	-34.0
69.9	3010.2	-141.8	2085.9	124981.0	0.0	-173.0
69.10	1582.2	-116.9	1925.8	103917.0	0.0	-34.0

69.11	3010.2	-150.9	2078.2	133240.0	0.0	-108.0
69.12	2560.8	-127.9	2022.4	112925.0	0.0	-163.0
69.13	1132.8	-103.0	1862.2	91861.0	0.0	-24.0
69.14	2560.8	-137.0	2014.7	121184.0	0.0	-98.0
69.15	1582.2	-145.0	3068.3	129376.0	0.0	-139.0
69.16	2296.2	-162.0	3144.6	144037.0	0.0	-176.0
69.17	1582.2	-154.1	3060.6	137635.0	0.0	-75.0
69.18	2296.2	-171.1	3136.9	152296.0	0.0	-112.0
69.19	1132.8	-131.1	3004.8	117320.0	0.0	-129.0
69.20	1846.8	-148.1	3081.1	131982.0	0.0	-166.0
69.21	1132.8	-140.2	2997.1	125579.0	0.0	-65.0
69.22	1846.8	-157.2	3073.3	140241.0	0.0	-102.0
69.23	1180.4	-281.5	594.2	246480.0	0.0	-227.0
69.24	1180.4	-138.3	173.7	122495.0	0.0	-363.0
69.25	1180.4	54.8	168.6	-49859.0	0.0	342.0
69.26	1180.4	198.0	-251.9	-173843.0	0.0	206.0
69.27	1180.4	-280.0	604.9	245699.0	0.0	-234.0
69.28	1180.4	-139.8	163.1	123276.0	0.0	-355.0
69.29	1180.4	56.3	179.3	-50639.0	0.0	334.0
69.30	1180.4	196.4	-262.6	-173063.0	0.0	213.0
69.31	1180.4	-354.3	692.5	310571.0	0.0	-185.0
69.32	1180.4	-211.1	272.0	186587.0	0.0	-321.0
69.33	1180.4	127.5	70.4	-113950.0	0.0	301.0
69.34	1180.4	270.8	-350.1	-237934.0	0.0	165.0
69.35	1180.4	-352.8	703.1	309790.0	0.0	-193.0
69.36	1180.4	-212.6	261.3	187367.0	0.0	-314.0
69.37	1180.4	129.1	81.1	-114730.0	0.0	293.0
69.38	1180.4	269.2	-360.8	-237154.0	0.0	172.0
69.39	1180.4	-330.9	935.9	287410.0	0.0	131.0
69.40	1180.4	146.5	-465.8	-125871.0	0.0	-322.0
69.41	1180.4	-230.0	808.2	198508.0	0.0	301.0
69.42	1180.4	247.4	-593.5	-214773.0	0.0	-152.0
69.43	1180.4	-352.8	965.3	306637.0	0.0	143.0
69.44	1180.4	124.7	-436.3	-106644.0	0.0	-310.0
69.45	1180.4	-208.2	778.7	179281.0	0.0	289.0
69.46	1180.4	269.2	-623.0	-234000.0	0.0	-164.0
69.47	1180.4	-325.8	971.4	284808.0	0.0	106.0
69.48	1180.4	141.4	-501.4	-123270.0	0.0	-297.0
69.49	1180.4	-224.9	843.8	195907.0	0.0	276.0
69.50	1180.4	242.2	-629.1	-212172.0	0.0	-127.0
69.51	1180.4	-347.6	1000.9	304036.0	0.0	118.0
69.52	1180.4	119.5	-471.9	-104043.0	0.0	-285.0
69.53	1180.4	-203.1	814.3	176679.0	0.0	264.0
69.54	1180.4	264.1	-658.5	-231399.0	0.0	-139.0

Calcolo resistenze

Resistenza a trazione dei bulloni

$$F_{tb,Rd} = 0.9 \cdot f_{tb} \cdot A_{res} / \gamma_{M2} = 90333.1 \text{ N}$$

Resistenza a punzonamento flangia

$$B_{pf,Rd} = 0.6 \cdot \pi \cdot d_m \cdot t_f \cdot f_{tk} / \gamma_{M2} = 124497.5 \text{ N}$$

Bull.	$F_{f,Rd}$ [N]	$F_{t,Rd}$ [N]
1	18521.9	18521.9
2	18521.9	18521.9
3	18521.9	18521.9
4	18521.9	18521.9

Legenda

$F_{f,Rd} = M_{res,m} / (B_m \cdot R_m)$ resistenza a flessione flangia

$F_{t,Rd} = \min [F_{tb,Rd} , B_{pf,Rd} , F_{f,Rd}]$ resistenza a trazione di progetto

Resistenza a taglio dei bulloni

$$F_{vb,Rd} = 0.6 \cdot f_{tb} \cdot A_{res} / \gamma_{M2} = 60222.1 \text{ N}$$

Bull.	$F_{bf,x,Rd}$ [N]	$F_{v,x,Rd}$ [N]	$F_{bf,y,Rd}$ [N]	$F_{v,y,Rd}$ [N]
1	44032.0	44032.0	38553.0	38553.0
2	44032.0	44032.0	38553.0	38553.0

3	44032.0	44032.0	38553.0	38553.0
4	44032.0	44032.0	38553.0	38553.0

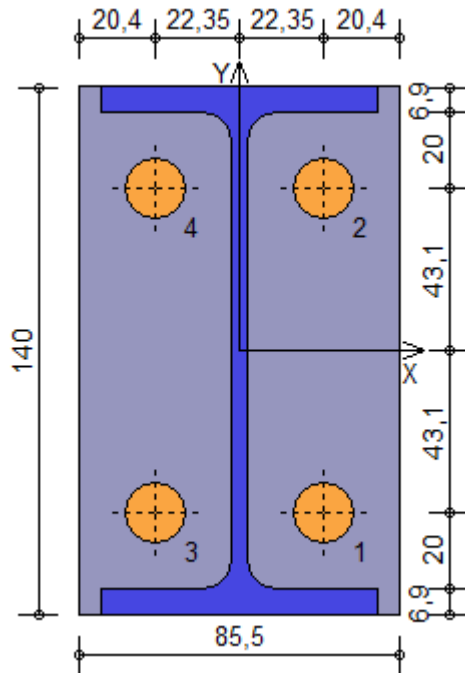
Legenda

$F_{bf,x,Rd} = k \cdot \alpha \cdot f_{tk} \cdot \varnothing \cdot t_f / \gamma_{M2}$ resistenza a rifollamento flangia in direzione x

$F_{v,x,Rd} = \min [F_{vb,Rd} , F_{bf,x,Rd}]$ resistenza a taglio di progetto in direzione x

$F_{bf,y,Rd} = k \cdot \alpha \cdot f_{tk} \cdot \varnothing \cdot t_f / \gamma_{M2}$ resistenza a rifollamento flangia in direzione y

$F_{v,y,Rd} = \min [F_{vb,Rd} , F_{bf,y,Rd}]$ resistenza a taglio di progetto in direzione y



Verifiche sui bulloni

1-Taglio e trazione (Nodo n. 69, CMB n. 43)

Bull.	X [mm]	Y [mm]	$F_{v,Ed}$ [N]	$F_{v,Rd}$ [N]	$F_{t,Ed}$ [N]	$F_{t,Rd}$ [N]	FV_1	VER
1	22.35	-43.10	307.5	38553.0	2766.8	18521.9	0.114674	Ok
2	22.35	43.10	307.9	38553.0	2766.8	18521.9	0.114684	Ok
3	-22.35	-43.10	308.1	38553.0	318.2	18521.9	0.020265	Ok
4	-22.35	43.10	308.5	38553.0	318.2	18521.9	0.020275	Ok

2-Trazione (Nodo n. 69, CMB n. 43)

Bull.	X [mm]	Y [mm]	$F_{t,Ed}$ [N]	$F_{t,Rd}$ [N]	FV_2	VER
1	22.35	-43.10	2766.8	18521.9	0.149378	Ok
2	22.35	43.10	2766.8	18521.9	0.149378	Ok
3	-22.35	-43.10	318.2	18521.9	0.017182	Ok
4	-22.35	43.10	318.2	18521.9	0.017182	Ok

Legenda

$F_{v,Ed}$ forza di taglio agente sul bullone

$F_{v,Rd}$ resistenza a taglio di progetto del bullone

$F_{t,Ed}$ forza di trazione agente sul bullone

$F_{t,Rd}$ resistenza a trazione di progetto del bullone

$FV_1 = F_{v,Ed} / F_{v,Rd} + F_{t,Ed} / (1.4 \cdot F_{t,Rd})$

$FV_2 = F_{t,Ed} / F_{t,Rd}$

VER $\rightarrow FV_i \leq 1$

Verifiche sulle saldature profilo-flangia (versione beta)

Si considera la sezione di gola (avente altezza $a = s_c / 2^{0.5} = 2.121$) in posizione ribaltata: vengono considerate positive le tensioni normali di trazione e le tensioni tangenziali agenti verso destra e verso il basso. Tutte le tensioni sono espresse in N/mm^2 .

Verifica formula (4.2.84) (Nodo n. 69, CMB n. 31)

Cordoni	Lung.[mm]	$n_{\perp}$	$t_{\perp}$	$\tau_{\parallel}$	FV_1	VER ₁
Ala inferiore interno lato destro	27.2	84.81	0.00	-1.54	84.82	Ok
Ala inferiore interno lato sinistro	27.2	-82.85	0.00	-1.54	82.86	Ok

Anima lato destro	112.2	0.98	0.00	2.48	2.67	Ok
Anima lato sinistro	112.2	0.98	0.00	2.48	2.67	Ok
Ala superiore interno lato destro	27.2	84.81	0.00	-1.54	84.82	Ok
Ala superiore interno lato sinistro	27.2	-82.85	0.00	-1.54	82.86	Ok

Verifica formula (4.2.85) (Nodo n. 69, CMB n. 31)

Cordoni	Lung.[mm]	$n_{\perp}$	$t_{\perp}$	$\tau_{\parallel}$	FV ₂	VER ₂
Ala inferiore interno lato destro	27.2	84.81	0.00	-1.54	84.81	Ok
Ala inferiore interno lato sinistro	27.2	-82.85	0.00	-1.54	82.85	Ok
Anima lato destro	112.2	0.98	0.00	2.48	0.98	Ok
Anima lato sinistro	112.2	0.98	0.00	2.48	0.98	Ok
Ala superiore interno lato destro	27.2	84.81	0.00	-1.54	84.81	Ok
Ala superiore interno lato sinistro	27.2	-82.85	0.00	-1.54	82.85	Ok

Legenda

$n_{\perp}$ tensione normale perpendicolare all'asse del cordone

$t_{\perp}$ tensione tangenziale perpendicolare all'asse del cordone

$\tau_{\parallel}$ tensione tangenziale parallela all'asse del cordone

$$FV_1 = (n_{\perp}^2 + t_{\perp}^2 + \tau_{\parallel}^2)^{0.5}$$

$$FV_2 = |n_{\perp}| + |t_{\perp}|$$

$$VER_i \rightarrow FV_i \leq \beta_i \cdot f_{yk} \quad (\beta_1 \cdot f_{yk} = 192.50 \text{ N/mm}^2 \quad \beta_2 \cdot f_{yk} = 233.75 \text{ N/mm}^2)$$

Verifica del momento di progetto del giunto (Nodo n. 69, CMB n. 31)

Momento resistente del giunto	$M_{j,Rd} =$	2799947.0 N mm
Momento di progetto	$M_{j,Ed} =$	310571.0 N mm
$M_{j,Ed} / M_{j,Rd} = 0.110920 \quad \text{Ok}$		

Trave lato 3-

Tipo di profilo: IPE 140

Materiale: Acciaio S275 $f_y = 275 \text{ N/mm}^2$ $f_t = 430 \text{ N/mm}^2$ $\gamma_{ov} = 1.25$

Classe sezione: 1

Flangia:

Materiale: Acciaio S275 $f_y = 275 \text{ N/mm}^2$ $f_t = 430 \text{ N/mm}^2$ $\gamma_{ov} = 1.25$

Dimensioni (B x H x Sp): 85.5 x 140.0 x 8.0 mm

Bullonature:

Viti cl. 8.8 Dadi 8 o 10 ($f_{yb} = 640 \text{ N/mm}^2$, $f_{tb} = 800 \text{ N/mm}^2$)

Diametro gambo $\varnothing = 16 \text{ mm}$ $A_{res} = 156.8 \text{ mm}^2$ (ridotta per filettatura)

Diametro dado/testa $d_m = 24 \text{ mm}$

Diametro foro $\varnothing_0 = 17 \text{ mm}$

Rigidezza giunto (calcolata secondo EN 1993-1-8 : 2005 par. 6.3):

$S_{j,ini}$ non calcolabile

Saldature:

Materiale: Acciaio S275 $f_y = 275 \text{ N/mm}^2$ $f_t = 430 \text{ N/mm}^2$ $\beta_1 = 0.70$ $\beta_2 = 0.85$

Spessore cordoni d'angolo $s_c = 3 \text{ mm}$

Sollecitazioni nella sezione d'attacco dell'elemento:

Nodo.CMB	V2 [N]	V3 [N]	N [N]	M2 [N mm]	M3 [N mm]	T [N mm]
69.1	3815.8	-52.1	3321.5	107076.0	0.0	-64.0
69.2	5537.8	-55.4	3447.6	114014.0	0.0	-63.0
69.3	3815.8	-60.6	3338.7	124776.0	0.0	-84.0
69.4	5537.8	-64.0	3464.7	131714.0	0.0	-82.0
69.5	2732.1	-48.6	3215.0	99930.0	0.0	-65.0
69.6	4454.1	-52.0	3341.1	106869.0	0.0	-63.0
69.7	2732.1	-57.2	3232.2	117630.0	0.0	-84.0
69.8	4454.1	-60.5	3358.3	124569.0	0.0	-83.0
69.9	7259.8	-58.8	3573.6	120953.0	0.0	-61.0
69.10	3815.8	-58.1	3333.5	119466.0	0.0	-78.0

69.11	7259.8	-64.8	3585.7	133342.0	0.0	-75.0
69.12	6176.1	-55.3	3467.2	113807.0	0.0	-61.0
69.13	2732.1	-54.6	3227.0	112320.0	0.0	-78.0
69.14	6176.1	-61.3	3479.2	126197.0	0.0	-75.0
69.15	3815.8	-78.2	5275.4	160837.0	0.0	-107.0
69.16	5537.8	-81.6	5401.4	167776.0	0.0	-105.0
69.17	3815.8	-84.2	5287.4	173227.0	0.0	-120.0
69.18	5537.8	-87.6	5413.5	180165.0	0.0	-119.0
69.19	2732.1	-74.8	5168.9	153692.0	0.0	-107.0
69.20	4454.1	-78.1	5295.0	160630.0	0.0	-105.0
69.21	2732.1	-80.8	5180.9	166082.0	0.0	-121.0
69.22	4454.1	-84.1	5307.0	173020.0	0.0	-119.0
69.23	2846.9	-109.5	1605.9	226472.0	0.0	-59.0
69.24	2846.9	-51.9	968.6	107531.0	0.0	-225.0
69.25	2846.9	29.2	-374.9	-60692.0	0.0	215.0
69.26	2846.9	86.8	-1012.2	-179634.0	0.0	50.0
69.27	2846.9	-112.3	1646.8	232112.0	0.0	-69.0
69.28	2846.9	-49.1	927.7	101891.0	0.0	-216.0
69.29	2846.9	26.4	-334.0	-55052.0	0.0	206.0
69.30	2846.9	89.6	-1053.1	-185273.0	0.0	59.0
69.31	2846.9	-164.5	1896.5	339474.0	0.0	-191.0
69.32	2846.9	-106.9	1259.2	220533.0	0.0	-357.0
69.33	2846.9	84.2	-665.5	-173694.0	0.0	347.0
69.34	2846.9	141.8	-1302.8	-292636.0	0.0	182.0
69.35	2846.9	-167.3	1937.4	345114.0	0.0	-201.0
69.36	2846.9	-104.1	1218.3	214893.0	0.0	-347.0
69.37	2846.9	81.4	-624.6	-168054.0	0.0	338.0
69.38	2846.9	144.6	-1343.7	-298275.0	0.0	191.0
69.39	2846.9	-128.3	1656.1	264729.0	0.0	230.0
69.40	2846.9	64.0	-468.2	-131741.0	0.0	-322.0
69.41	2846.9	-86.7	1061.8	178580.0	0.0	312.0
69.42	2846.9	105.6	-1062.4	-217891.0	0.0	-240.0
69.43	2846.9	-144.8	1743.3	298630.0	0.0	191.0
69.44	2846.9	47.5	-381.0	-97841.0	0.0	-362.0
69.45	2846.9	-70.2	974.7	144679.0	0.0	352.0
69.46	2846.9	122.1	-1149.6	-251791.0	0.0	-200.0
69.47	2846.9	-137.4	1792.4	283529.0	0.0	198.0
69.48	2846.9	73.1	-604.5	-150541.0	0.0	-290.0
69.49	2846.9	-95.8	1198.2	197380.0	0.0	281.0
69.50	2846.9	114.7	-1198.7	-236690.0	0.0	-208.0
69.51	2846.9	-153.9	1879.6	317429.0	0.0	159.0
69.52	2846.9	56.6	-517.3	-116641.0	0.0	-330.0
69.53	2846.9	-79.3	1111.0	163479.0	0.0	320.0
69.54	2846.9	131.2	-1285.9	-270591.0	0.0	-168.0

Calcolo resistenze

Resistenza a trazione dei bulloni

$$F_{tb,Rd} = 0.9 \cdot f_{tb} \cdot A_{res} / \gamma_{M2} =$$

90333.1 N

Resistenza a punzonamento flangia

$$B_{pf,Rd} = 0.6 \cdot \pi \cdot d_m \cdot t_f \cdot f_{tk} / \gamma_{M2} =$$

124497.5 N

Bull.	$F_{f,Rd}$ [N]	$F_{t,Rd}$ [N]
1	18521.9	18521.9
2	18521.9	18521.9
3	18521.9	18521.9
4	18521.9	18521.9

Legenda

$F_{f,Rd} = M_{res,m} / (B_m \cdot R_m)$ resistenza a flessione flangia

$F_{t,Rd} = \min [F_{tb,Rd} , B_{pf,Rd} , F_{f,Rd}]$ resistenza a trazione di progetto

Resistenza a taglio dei bulloni

$$F_{vb,Rd} = 0.6 \cdot f_{tb} \cdot A_{res} / \gamma_{M2} =$$

60222.1 N

Bull.	$F_{bf,x,Rd}$ [N]	$F_{v,x,Rd}$ [N]	$F_{bf,y,Rd}$ [N]	$F_{v,y,Rd}$ [N]
1	44032.0	44032.0	38553.0	38553.0
2	44032.0	44032.0	38553.0	38553.0

3	44032.0	44032.0	38553.0	38553.0
4	44032.0	44032.0	38553.0	38553.0

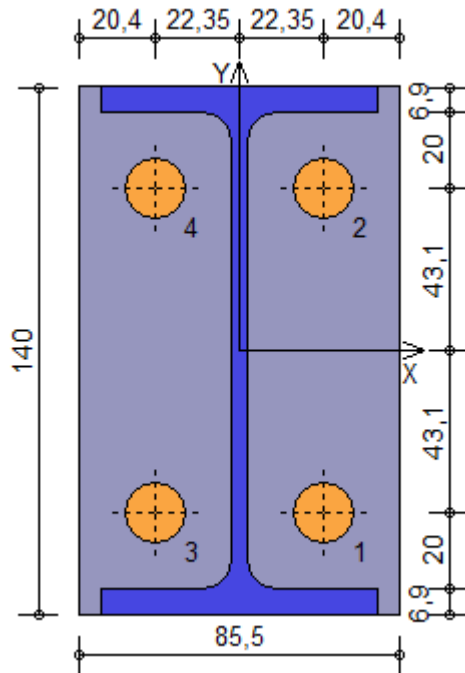
Legenda

$F_{bf,x,Rd} = k \cdot \alpha \cdot f_{tk} \cdot \varnothing \cdot t_f / \gamma_{M2}$ resistenza a rifollamento flangia in direzione x

$F_{v,x,Rd} = \min [F_{vb,Rd} , F_{bf,x,Rd}]$ resistenza a taglio di progetto in direzione x

$F_{bf,y,Rd} = k \cdot \alpha \cdot f_{tk} \cdot \varnothing \cdot t_f / \gamma_{M2}$ resistenza a rifollamento flangia in direzione y

$F_{v,y,Rd} = \min [F_{vb,Rd} , F_{bf,y,Rd}]$ resistenza a taglio di progetto in direzione y



Verifiche sui bulloni

1-Taglio e trazione (Nodo n. 69, CMB n. 18)

Bull.	X [mm]	Y [mm]	$F_{v,Ed}$ [N]	$F_{v,Rd}$ [N]	$F_{t,Ed}$ [N]	$F_{t,Rd}$ [N]	FV_1	VER
1	22.35	-43.10	1384.9	38553.0	3008.4	18521.9	0.151939	Ok
2	22.35	43.10	1384.9	38553.0	3008.4	18521.9	0.151939	Ok
3	-22.35	-43.10	1384.4	38553.0	620.2	18521.9	0.059824	Ok
4	-22.35	43.10	1384.3	38553.0	620.2	18521.9	0.059823	Ok

2-Trazione (Nodo n. 69, CMB n. 35)

Bull.	X [mm]	Y [mm]	$F_{t,Ed}$ [N]	$F_{t,Rd}$ [N]	FV_2	VER
1	22.35	-43.10	3352.6	18521.9	0.181007	Ok
2	22.35	43.10	3352.6	18521.9	0.181007	Ok
3	-22.35	-43.10	427.2	18521.9	0.023063	Ok
4	-22.35	43.10	427.2	18521.9	0.023063	Ok

Legenda

$F_{v,Ed}$ forza di taglio agente sul bullone

$F_{v,Rd}$ resistenza a taglio di progetto del bullone

$F_{t,Ed}$ forza di trazione agente sul bullone

$F_{t,Rd}$ resistenza a trazione di progetto del bullone

$FV_1 = F_{v,Ed} / F_{v,Rd} + F_{t,Ed} / (1.4 \cdot F_{t,Rd})$

$FV_2 = F_{t,Ed} / F_{t,Rd}$

VER $\rightarrow FV_i \leq 1$

Verifiche sulle saldature profilo-flangia (versione beta)

Si considera la sezione di gola (avente altezza $a = s_c / 2^{0.5} = 2.121$) in posizione ribaltata: vengono considerate positive le tensioni normali di trazione e le tensioni tangenziali agenti verso destra e verso il basso. Tutte le tensioni sono espresse in N/mm^2 .

Verifica formula (4.2.84) (Nodo n. 69, CMB n. 35)

Cordoni	Lung.[mm]	$n_{\perp}$	$t_{\perp}$	$\tau_{\parallel}$	FV_1	VER ₁
Ala inferiore interno lato destro	27.2	95.90	0.00	-0.73	95.90	Ok
Ala inferiore interno lato sinistro	27.2	-90.41	0.00	-0.73	90.41	Ok

Anima lato destro	112.2	2.74	0.00	5.98	6.58	Ok
Anima lato sinistro	112.2	2.74	0.00	5.98	6.58	Ok
Ala superiore interno lato destro	27.2	95.90	0.00	-0.73	95.90	Ok
Ala superiore interno lato sinistro	27.2	-90.41	0.00	-0.73	90.41	Ok

Verifica formula (4.2.85) (Nodo n. 69, CMB n. 35)

Cordoni	Lung.[mm]	$n_{\perp}$	$t_{\perp}$	$\tau_{\parallel}$	FV ₂	VER ₂
Ala inferiore interno lato destro	27.2	95.90	0.00	-0.73	95.90	Ok
Ala inferiore interno lato sinistro	27.2	-90.41	0.00	-0.73	90.41	Ok
Anima lato destro	112.2	2.74	0.00	5.98	2.74	Ok
Anima lato sinistro	112.2	2.74	0.00	5.98	2.74	Ok
Ala superiore interno lato destro	27.2	95.90	0.00	-0.73	95.90	Ok
Ala superiore interno lato sinistro	27.2	-90.41	0.00	-0.73	90.41	Ok

Legenda

$n_{\perp}$ tensione normale perpendicolare all'asse del cordone

$t_{\perp}$ tensione tangenziale perpendicolare all'asse del cordone

$\tau_{\parallel}$ tensione tangenziale parallela all'asse del cordone

$$FV_1 = (n_{\perp}^2 + t_{\perp}^2 + \tau_{\parallel}^2)^{0.5}$$

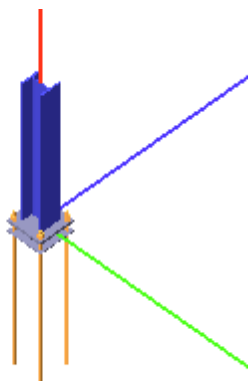
$$FV_2 = |n_{\perp}| + |t_{\perp}|$$

$$VER_i \rightarrow FV_i \leq \beta_i \cdot f_{yk} \quad (\beta_1 \cdot f_{yk} = 192.50 \text{ N/mm}^2 \quad \beta_2 \cdot f_{yk} = 233.75 \text{ N/mm}^2)$$

Verifica del momento di progetto del giunto (Nodo n. 69, CMB n. 35)

Momento resistente del giunto	$M_{j,Rd} =$	2824639.0 N mm
Momento di progetto	$M_{j,Ed} =$	345114.0 N mm
$M_{j,Ed} / M_{j,Rd} = 0.122180 \quad \text{Ok}$		

Verifica secondo il D.M. 17/01/2018 del nodo 80



Coefficienti di sicurezza utilizzati

$\gamma_{M0} = 1.05$

$\gamma_{M1} = 1.10$

$\gamma_{M2} = 1.25$

Colonna

Tipo di profilo: HEB 120

Materiale: Acciaio S275 $f_y = 275 \text{ N/mm}^2$ $f_t = 430 \text{ N/mm}^2$ $\gamma_{ov} = 1.25$

Classe sezione: 1

Flangia:

Materiale: Acciaio S275 $f_y = 275 \text{ N/mm}^2$ $f_t = 430 \text{ N/mm}^2$ $\gamma_{ov} = 1.25$

Dimensioni (B x H x Sp): 200.0 x 200.0 x 15.0 mm

Bullonature:

Viti cl. 8.8 Dadi 8 o 10 ($f_{yb} = 640 \text{ N/mm}^2$, $f_{tb} = 800 \text{ N/mm}^2$)

Diametro gambo $\varnothing = 16 \text{ mm}$ $A_{res} = 156.8 \text{ mm}^2$ (ridotta per filettatura)

Diametro dado/testa $d_m = 24 \text{ mm}$

Diametro foro $\varnothing_0 = 17 \text{ mm}$

Rigidezza giunto (calcolata secondo EN 1993-1-8 : 2005 par. 6.3):

$S_{j,ini}$ non calcolabile

Saldature:

Materiale: Acciaio S275 $f_y = 275 \text{ N/mm}^2$ $f_t = 430 \text{ N/mm}^2$ $\beta_1 = 0.70$ $\beta_2 = 0.85$

Spessore cordoni d'angolo $s_c = 6 \text{ mm}$

Sollecitazioni:

Nodo.CMB	V2 [N]	V3 [N]	N [N]	M2 [N mm]	M3 [N mm]	T [N mm]
80.1	2.7	-0.6	-11680.7	-15461.0	-12963.0	-223.0
80.2	2.8	-5.6	-13106.3	-9394.0	-15846.0	-233.0
80.3	0.5	26.6	-15502.9	-105519.0	-3870.0	-155.0
80.4	0.5	21.6	-16928.5	-99452.0	-6753.0	-165.0
80.5	4.3	-0.1	-8590.6	-10894.0	-16520.0	-229.0
80.6	4.4	-5.0	-10016.2	-4826.0	-19404.0	-239.0
80.7	2.1	27.1	-12412.9	-100951.0	-7428.0	-161.0
80.8	2.1	22.2	-13838.5	-94884.0	-10311.0	-171.0
80.9	2.8	-10.5	-14531.9	-3326.0	-18730.0	-243.0
80.10	1.2	18.4	-14356.2	-78502.0	-6598.0	-176.0
80.11	1.3	8.5	-17207.4	-66367.0	-12365.0	-196.0
80.12	4.4	-10.0	-11441.8	1242.0	-22287.0	-249.0
80.13	2.7	19.0	-11266.2	-73934.0	-10155.0	-181.0
80.14	2.8	9.0	-14117.4	-61799.0	-15922.0	-201.0
80.15	7.6	-1.4	-11481.8	-12472.0	-27470.0	-396.0

80.16	7.6	-6.4	-12907.4	-6405.0	-30353.0	-406.0
80.17	6.0	17.6	-14157.3	-75513.0	-21105.0	-349.0
80.18	6.0	12.7	-15582.9	-69445.0	-23988.0	-359.0
80.19	9.1	-0.9	-8391.7	-7905.0	-31027.0	-402.0
80.20	9.2	-5.8	-9817.3	-1837.0	-33911.0	-412.0
80.21	7.6	18.2	-11067.3	-70945.0	-24663.0	-355.0
80.22	7.6	13.2	-12492.9	-64878.0	-27546.0	-365.0
80.23	929.5	-98.5	-6101.3	225067.0	-3218000.0	-780.0
80.24	636.2	-311.4	923.2	759220.0	-2259000.0	-3231.0
80.25	-643.5	323.7	-20598.2	-825957.0	2275000.0	3317.0
80.26	-936.8	110.8	-13573.7	-291805.0	3234000.0	867.0
80.27	918.2	-118.3	-5533.5	276575.0	-3193000.0	-1024.0
80.28	647.5	-291.5	355.4	707713.0	-2285000.0	-2987.0
80.29	-654.8	303.8	-20030.4	-774450.0	2301000.0	3073.0
80.30	-925.6	130.6	-14141.5	-343312.0	3209000.0	1110.0
80.31	767.4	-208.4	-2483.8	505551.0	-2565000.0	-2144.0
80.32	474.1	-421.3	4540.8	1040000.0	-1606000.0	-4594.0
80.33	-481.5	433.6	-24215.8	-1106000.0	1622000.0	4681.0
80.34	-774.8	220.7	-17191.2	-572288.0	2581000.0	2230.0
80.35	756.2	-228.3	-1916.0	557058.0	-2540000.0	-2388.0
80.36	485.4	-401.5	3973.0	988196.0	-1632000.0	-4351.0
80.37	-492.7	413.8	-23648.0	-1055000.0	1647000.0	4437.0
80.38	-763.5	240.6	-17759.0	-623795.0	2555000.0	2474.0
80.39	721.1	297.7	-19370.5	-765969.0	-2415000.0	3512.0
80.40	-256.5	-412.0	4044.6	1015000.0	782312.0	-4655.0
80.41	249.2	424.3	-23719.6	-1081000.0	-766467.0	4742.0
80.42	-728.5	-285.4	-304.5	699232.0	2430000.0	-3426.0
80.43	672.5	264.7	-18285.3	-681824.0	-2219000.0	3103.0
80.44	-305.2	-445.0	5129.9	1099000.0	978326.9	-5064.0
80.45	297.8	457.3	-24804.9	-1165000.0	-962482.0	5151.0
80.46	-679.8	-252.4	-1389.7	615087.0	2234000.0	-3017.0
80.47	683.6	231.5	-17477.9	-594278.0	-2329000.0	2700.0
80.48	-219.0	-345.8	2152.0	842848.1	697223.0	-3843.0
80.49	211.7	358.1	-21827.0	-909586.1	-681379.0	3929.0
80.50	-690.9	-219.2	-2197.1	527541.0	2345000.0	-2614.0
80.51	635.0	198.5	-16392.6	-510133.0	-2133000.0	2291.0
80.52	-267.6	-378.8	3237.2	926994.1	893238.0	-4252.0
80.53	260.3	391.1	-22912.2	-993730.9	-877394.1	4338.0
80.54	-642.3	-186.2	-3282.4	443396.0	2149000.0	-2205.0

Calcolo resistenze

Resistenza a trazione dei bulloni $F_{tb,Rd} = 0.9 \cdot f_{tb} \cdot A_{res} / \gamma_{M2} = 90333.1 \text{ N}$

Resistenza a punzonamento flangia $B_{pf,Rd} = 0.6 \cdot \pi \cdot d_m \cdot t_f \cdot f_{tk} / \gamma_{M2} = 233432.9 \text{ N}$

Bull.	$F_{f,Rd} \text{ [N]}$	$F_{t,Rd} \text{ [N]}$
1	37968.1	37968.1
2	37968.1	37968.1
3	37968.1	37968.1
4	37968.1	37968.1

Legenda

$F_{f,Rd} = M_{res,m} / (B_m \cdot R_m)$ resistenza a flessione flangia

$F_{t,Rd} = \min [F_{tb,Rd} , B_{pf,Rd} , F_{f,Rd}]$ resistenza a trazione di progetto

Resistenza a taglio dei bulloni $F_{vb,Rd} = 0.6 \cdot f_{tb} \cdot A_{res} / \gamma_{M2} = 60222.1 \text{ N}$

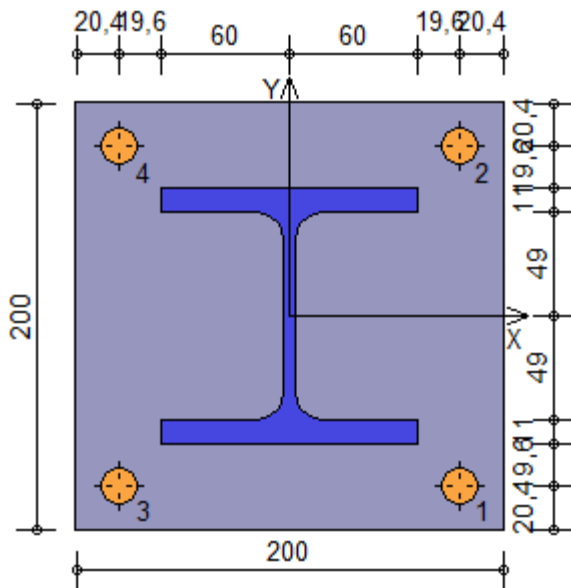
Bull.	$F_{bf,x,Rd} \text{ [N]}$	$F_{v,x,Rd} \text{ [N]}$	$F_{bf,y,Rd} \text{ [N]}$	$F_{v,y,Rd} \text{ [N]}$
1	54819.9	54819.9	54819.9	54819.9
2	54819.9	54819.9	54819.9	54819.9
3	54819.9	54819.9	54819.9	54819.9
4	54819.9	54819.9	54819.9	54819.9

Legenda

$F_{bf,x,Rd} = k \cdot \alpha \cdot f_{tk} \cdot \emptyset \cdot t_f / \gamma_{M2}$ resistenza a rifollamento flangia in direzione x

$F_{v,x,Rd} = \min [F_{vb,Rd} , F_{bf,x,Rd}]$ resistenza a taglio di progetto in direzione x

$F_{bf,y,Rd} = k \cdot \alpha \cdot f_{tk} \cdot \varnothing \cdot t_f / \gamma_{M2}$ resistenza a rifollamento flangia in direzione y
 $F_{v,y,Rd} = \min [F_{vb,Rd} , F_{bf,y,Rd}]$ resistenza a taglio di progetto in direzione y



Verifiche sui bulloni

1-Taglio e trazione (Nodo n. 80, CMB n. 27)

Bull.	X [mm]	Y [mm]	$F_{v,Ed}$ [N]	$F_{v,Rd}$ [N]	$F_{t,Ed}$ [N]	$F_{t,Rd}$ [N]	FV_1	VER
1	79.60	-79.60	233.3	54819.9	0.0	37968.1	0.004255	Ok
2	79.60	79.60	232.8	54819.9	9769.7	37968.1	0.188043	Ok
3	-79.60	-79.60	230.1	54819.9	0.0	37968.1	0.004197	Ok
4	-79.60	79.60	229.7	54819.9	8487.0	37968.1	0.163853	Ok

2-Trazione (Nodo n. 80, CMB n. 27)

Bull.	X [mm]	Y [mm]	$F_{t,Ed}$ [N]	$F_{t,Rd}$ [N]	FV_2	VER
1	79.60	-79.60	0.0	37968.1	0.000000	Ok
2	79.60	79.60	9769.7	37968.1	0.257314	Ok
3	-79.60	-79.60	0.0	37968.1	0.000000	Ok
4	-79.60	79.60	8487.0	37968.1	0.223529	Ok

Legenda

$F_{v,Ed}$ forza di taglio agente sul bullone
 $F_{v,Rd}$ resistenza a taglio di progetto del bullone
 $F_{t,Ed}$ forza di trazione agente sul bullone
 $F_{t,Rd}$ resistenza a trazione di progetto del bullone
 $FV_1 = F_{v,Ed} / F_{v,Rd} + F_{t,Ed} / (1.4 \cdot F_{t,Rd})$
 $FV_2 = F_{t,Ed} / F_{t,Rd}$
 $VER \rightarrow FV_i \leq 1$

Verifiche sulle saldature profilo-flangia (versione beta)

Si considera la sezione di gola (avente altezza $a = s_c / 2^{0.5} = 4.243$) in posizione ribaltata: vengono considerate positive le tensioni normali di trazione e le tensioni tangenziali agenti verso destra e verso il basso. Tutte le tensioni sono espresse in N/mm².

Verifica formula (4.2.84) (Nodo n. 80, CMB n. 33)

Cordoni	Lung.[mm]	$n_{\perp}$	$t_{\perp}$	$\tau_{\parallel}$	FV_1	VER ₁
Ala inferiore esterno	120.0	34.43	0.00	0.24	34.43	Ok
Ala inferiore interno lato destro	44.8	-24.53	0.00	0.24	24.53	Ok
Ala inferiore interno lato sinistro	44.8	30.23	0.00	0.24	30.23	Ok
Anima lato destro	74.0	-20.26	0.00	-0.77	20.27	Ok
Anima lato sinistro	74.0	-20.26	0.00	-0.77	20.27	Ok
Ala superiore interno lato destro	44.8	-50.36	0.00	0.24	50.36	Ok
Ala superiore interno lato sinistro	44.8	-16.02	0.00	0.24	16.02	Ok

Ala superiore esterno	120.0	-27.18	0.00	0.24	27.18	Ok
<u>Verifica formula (4.2.85) (Nodo n. 80, CMB n. 33)</u>						
Cordoni	Lung.[mm]	$n_{\perp}$	$t_{\perp}$	$\tau_{\parallel}$	FV ₂	VER ₂
Ala inferiore esterno	120.0	34.43	0.00	0.24	34.43	Ok
Ala inferiore interno lato destro	44.8	-24.53	0.00	0.24	24.53	Ok
Ala inferiore interno lato sinistro	44.8	30.23	0.00	0.24	30.23	Ok
Anima lato destro	74.0	-20.26	0.00	-0.77	20.26	Ok
Anima lato sinistro	74.0	-20.26	0.00	-0.77	20.26	Ok
Ala superiore interno lato destro	44.8	-50.36	0.00	0.24	50.36	Ok
Ala superiore interno lato sinistro	44.8	-16.02	0.00	0.24	16.02	Ok
Ala superiore esterno	120.0	-27.18	0.00	0.24	27.18	Ok

Legenda

$n_{\perp}$ tensione normale perpendicolare all'asse del cordone

$t_{\perp}$ tensione tangenziale perpendicolare all'asse del cordone

$\tau_{\parallel}$ tensione tangenziale parallela all'asse del cordone

$$FV_1 = (n_{\perp}^2 + t_{\perp}^2 + \tau_{\parallel}^2)^{0.5}$$

$$FV_2 = |n_{\perp}| + |t_{\perp}|$$

$$VER_i \rightarrow FV_i \leq \beta_i \cdot f_{yk} \quad (\beta_1 \cdot f_{yk} = 192.50 \text{ N/mm}^2 \quad \beta_2 \cdot f_{yk} = 233.75 \text{ N/mm}^2)$$

Verifiche a flessione piastra in zona compressa

Sezione parallela a X a filo della colonna (Nodo n. 80, CMB n. 26)

Pressione media a bordo piastra	$p_{med} = 3,29 \text{ N/mm}^2$	
Carico lineare sbalzo	$q_{lin} = 657,76 \text{ N/mm}$	
Lunghezza sbalzo	$L_s = 40,0 \text{ mm}$	
Modulo di resistenza minimo	$W_{min} = 7500,0 \text{ mm}^3$	
Momento resistente	$M_{p,Rd} =$	1964286,0 N mm
Momento massimo	$M_{p,Ed} =$	526206,7 N mm
$M_{p,Ed} / M_{p,Rd} = 0,267887 \quad \text{Ok}$		

Sezione parallela a Y a filo della colonna (Nodo n. 80, CMB n. 30)

Pressione media a bordo piastra	$p_{med} = 1,83 \text{ N/mm}^2$	
Carico lineare sbalzo	$q_{lin} = 366,37 \text{ N/mm}$	
Lunghezza sbalzo	$L_s = 40,0 \text{ mm}$	
Modulo di resistenza minimo	$W_{min} = 7500,0 \text{ mm}^3$	
Momento resistente	$M_{p,Rd} =$	1964286,0 N mm
Momento massimo	$M_{p,Ed} =$	293095,1 N mm
$M_{p,Ed} / M_{p,Rd} = 0,149212 \quad \text{Ok}$		

Verifica del momento di progetto del giunto (Nodo n. 80, CMB n. 27)

Momento resistente del giunto	$M_{j,Rd} =$	11612070,0 N mm
Momento di progetto	$M_{j,Ed} =$	2787291,0 N mm
$M_{j,Ed} / M_{j,Rd} = 0.240034 \quad \text{Ok}$		

Ancoraggio

Tirafondi ad aderenza

Lunghezza tirafondi $L_t = 800 \text{ mm}$

Lunghezza minima tirafondi: 40 diametri (640 mm)

Calcestruzzo

Resistenza cubica caratteristica a compressione	$R_{ck} =$	30.00 N/mm ²
Resistenza cilindrica caratteristica a compressione	$f_{ck} = 0.83 \cdot R_{ck} =$	24.90 N/mm ²
Resistenza di calcolo a compressione	$f_{cd} = \alpha_{cc} \cdot f_{ck} / \gamma_C =$	14.11 N/mm ²
Resistenza caratteristica a trazione	$f_{ctk} = 0.7 \cdot 0.30 \cdot f_{ck}^{2/3} =$	1.79 N/mm ²
Resistenza tangenziale di aderenza di calcolo	$f_{bd} = 2.25 \cdot \eta_1 \cdot \eta_2 \cdot f_{ctk} / \gamma_C =$	2.69 N/mm ²

Compressione massima calcestruzzo (Nodo n. 80, CMB n. 30)

$$p_{max} = 3.66 \text{ N/mm}^2 < f_{cd} \quad \text{Ok}$$

Verifica ancoraggio

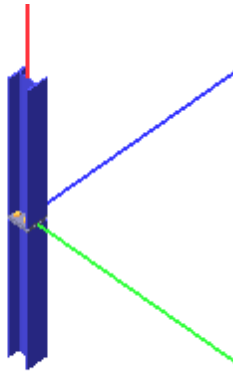
Si considera la massima resistenza a trazione di progetto dei tirafondi

Trazione di progetto dell'ancoraggio $F_{t,an,Ed} = \max [F_{t,Rd}] = 37968.1 \text{ N}$

Resistenza a trazione per aderenza $F_{t,ad,Rd} = L_t \cdot \pi \cdot \varnothing \cdot f_{bd} = 108011.5 \text{ N}$

$F_{t,ad,Rd} > F_{t,an,Ed}$ Ok

Verifica secondo il D.M. 17/01/2018 dei nodi: 82, 84



Coefficienti di sicurezza utilizzati

$\gamma_{M0} = 1.05$

$\gamma_{M1} = 1.10$

$\gamma_{M2} = 1.25$

Colonna

Tipo di profilo: HEB 120

Materiale: Acciaio S275 $f_y = 275 \text{ N/mm}^2$ $f_t = 430 \text{ N/mm}^2$ $\gamma_{ov} = 1.25$

Classe sezione: 1

Flangia:

Materiale: Acciaio S275 $f_y = 275 \text{ N/mm}^2$ $f_t = 430 \text{ N/mm}^2$ $\gamma_{ov} = 1.25$

Dimensioni (B x H x Sp): 120.0 x 120.0 x 11.0 mm

Bullonature:

Viti cl. 8.8 Dadi 8 o 10 ($f_{yb} = 640 \text{ N/mm}^2$, $f_{tb} = 800 \text{ N/mm}^2$)

Diametro gambo $\varnothing = 16 \text{ mm}$ $A_{res} = 156.8 \text{ mm}^2$ (ridotta per filettatura)

Diametro dado/testa $d_m = 24 \text{ mm}$

Diametro foro $\varnothing_0 = 17 \text{ mm}$

Rigidezza giunto (calcolata secondo EN 1993-1-8 : 2005 par. 6.3):

$S_{j,ini} = 3355448000 \text{ N mm / rad}$

Saldature:

Materiale: Acciaio S275 $f_y = 275 \text{ N/mm}^2$ $f_t = 430 \text{ N/mm}^2$ $\beta_1 = 0.70$ $\beta_2 = 0.85$

Spessore cordoni d'angolo $s_c = 6 \text{ mm}$

Sollecitazioni:

Nodo.CMB	V2 [N]	V3 [N]	N [N]	M2 [N mm]	M3 [N mm]	T [N mm]
82.1	1.8	5.4	-2816.5	-12377.0	-4452.0	-421.0
82.2	1.8	2.8	-2816.5	-16602.0	-7151.0	-410.0
82.3	-0.2	17.2	-2816.5	-6365.0	-2040.0	-86.0
82.4	-0.2	14.5	-2816.5	-10590.0	-4739.0	-75.0
82.5	3.5	6.6	-2166.5	-9696.0	-3192.0	-452.0
82.6	3.5	4.0	-2166.5	-13922.0	-5891.0	-441.0
82.7	1.4	18.4	-2166.5	-3684.0	-780.0	-117.0
82.8	1.4	15.7	-2166.5	-7909.0	-3479.0	-106.0
82.9	1.8	0.1	-2816.5	-20827.0	-9851.0	-399.0
82.10	0.4	13.7	-2816.5	-8168.0	-2763.0	-186.0
82.11	0.4	8.3	-2816.5	-16619.0	-8162.0	-165.0
82.12	3.5	1.3	-2166.5	-18147.0	-8591.0	-430.0
82.13	2.0	14.9	-2166.5	-5488.0	-1504.0	-217.0
82.14	2.1	9.5	-2166.5	-13938.0	-6902.0	-196.0
82.15	6.5	12.1	-2816.5	-14315.0	-4063.0	-779.0

82.16	6.5	9.4	-2816.5	-18540.0	-6762.0	-768.0
82.17	5.0	20.3	-2816.5	-10106.0	-2374.0	-545.0
82.18	5.0	17.6	-2816.5	-14331.0	-5074.0	-534.0
82.19	8.1	13.3	-2166.5	-11634.0	-2803.0	-810.0
82.20	8.1	10.6	-2166.5	-15859.0	-5502.0	-799.0
82.21	6.7	21.5	-2166.5	-7426.0	-1115.0	-576.0
82.22	6.7	18.8	-2166.5	-11651.0	-3814.0	-565.0
82.23	726.5	-48.2	-2166.5	53617.0	-538337.0	4390.0
82.24	495.3	10.0	-2166.5	-11085.0	-394017.0	1767.0
82.25	-503.5	-12.1	-2166.5	-649.0	387320.0	-1456.0
82.26	-734.8	46.1	-2166.5	-65351.0	531640.0	-4079.0
82.27	715.4	-51.2	-2166.5	63640.0	-543429.0	4134.0
82.28	506.4	13.1	-2166.5	-21108.0	-388926.0	2023.0
82.29	-514.6	-15.1	-2166.5	9374.0	382229.0	-1712.0
82.30	-723.7	49.2	-2166.5	-75374.0	536732.0	-3823.0
82.31	606.9	-61.4	-2166.5	41708.0	-363983.0	-2344.0
82.32	375.7	-3.2	-2166.5	-22993.0	-219663.0	-4968.0
82.33	-383.9	1.2	-2166.5	11259.0	212966.0	5278.0
82.34	-615.2	59.4	-2166.5	-53442.0	357286.0	2655.0
82.35	595.8	-64.5	-2166.5	51731.0	-369075.0	-2600.0
82.36	386.7	-0.2	-2166.5	-33016.0	-214571.0	-4712.0
82.37	-395.0	-1.9	-2166.5	21283.0	207874.0	5022.0
82.38	-604.1	62.4	-2166.5	-63465.0	362378.0	2911.0
82.39	565.8	-103.4	-2166.5	110109.0	-382731.0	5404.0
82.40	-205.0	90.6	-2166.5	-105563.0	98336.0	-3340.0
82.41	196.8	-92.6	-2166.5	93829.0	-105033.0	3650.0
82.42	-574.0	101.4	-2166.5	-121842.0	376034.0	-5094.0
82.43	529.9	-107.4	-2166.5	106536.0	-330424.0	3384.0
82.44	-240.9	86.6	-2166.5	-109135.0	150643.0	-5360.0
82.45	232.6	-88.6	-2166.5	97401.0	-157340.0	5670.0
82.46	-538.2	105.4	-2166.5	-118270.0	323727.0	-3073.0
82.47	528.8	-113.6	-2166.5	143519.0	-399703.0	4550.0
82.48	-168.1	100.7	-2166.5	-138973.0	115308.0	-2486.0
82.49	159.8	-102.8	-2166.5	127239.0	-122005.0	2797.0
82.50	-537.1	111.6	-2166.5	-155253.0	393006.0	-4240.0
82.51	493.0	-117.6	-2166.5	139947.0	-347396.0	2530.0
82.52	-204.0	96.8	-2166.5	-142546.0	167615.0	-4507.0
82.53	195.7	-98.8	-2166.5	130812.0	-174312.0	4817.0
82.54	-501.2	115.5	-2166.5	-151680.0	340699.0	-2220.0
84.1	-0.8	80.7	-10273.3	-17317.0	-3604.0	-408.0
84.2	-0.8	94.9	-11698.9	-26193.0	-6294.0	-394.0
84.3	-7.0	261.5	-14095.5	-27049.0	104.0	-110.0
84.4	-7.0	275.7	-15521.1	-35925.0	-2586.0	-96.0
84.5	1.7	53.4	-7508.1	-11071.0	-2652.0	-436.0
84.6	1.8	67.6	-8933.7	-19947.0	-5342.0	-422.0
84.7	-4.5	234.2	-11330.3	-20803.0	1055.0	-137.0
84.8	-4.4	248.4	-12755.9	-29679.0	-1634.0	-124.0
84.9	-0.7	109.1	-13124.5	-35068.0	-8983.0	-380.0
84.10	-5.2	207.2	-12948.9	-24129.0	-1009.0	-199.0
84.11	-5.1	235.7	-15800.1	-41881.0	-6388.0	-171.0
84.12	1.8	81.8	-10359.3	-28823.0	-8031.0	-408.0
84.13	-2.6	180.0	-10183.6	-17884.0	-57.0	-227.0
84.14	-2.5	208.4	-13034.8	-35635.0	-5436.0	-199.0
84.15	4.0	75.1	-10074.4	-16553.0	-3336.0	-751.0
84.16	4.0	89.3	-11500.0	-25428.0	-6026.0	-737.0
84.17	-0.3	201.6	-12750.0	-23365.0	-741.0	-542.0
84.18	-0.3	215.8	-14175.6	-32241.0	-3431.0	-528.0
84.19	6.6	47.8	-7309.1	-10307.0	-2385.0	-779.0
84.20	6.6	62.0	-8734.8	-19183.0	-5074.0	-765.0
84.21	2.2	174.4	-9984.7	-17119.0	210.0	-570.0
84.22	2.3	188.6	-11410.3	-25995.0	-2479.0	-556.0

84.23	745.5	-105.0	-5019.1	-63195.0	-545876.0	4770.0
84.24	506.4	-547.1	2005.0	-159348.0	-399769.0	2001.0
84.25	-520.7	750.7	-19514.8	128776.0	395114.0	-1721.0
84.26	-759.8	308.5	-12490.7	32623.0	541221.0	-4490.0
84.27	733.8	-148.0	-4451.3	-71599.0	-550929.0	4492.0
84.28	518.1	-504.1	1437.2	-150943.0	-394716.0	2279.0
84.29	-532.4	707.6	-18947.0	120371.0	390061.0	-1999.0
84.30	-748.1	351.6	-13058.5	41028.0	546274.0	-4212.0
84.31	623.7	-345.3	-1401.7	-110771.0	-369874.0	-2646.0
84.32	384.5	-787.4	5622.4	-206924.0	-223767.0	-5414.0
84.33	-398.8	991.0	-23132.2	176352.0	219112.0	5694.0
84.34	-638.0	548.8	-16108.1	80199.0	365219.0	2925.0
84.35	611.9	-388.3	-833.9	-119176.0	-374927.0	-2923.0
84.36	396.3	-744.4	5054.6	-198519.0	-218714.0	-5137.0
84.37	-410.6	947.9	-22564.4	167948.0	214059.0	5417.0
84.38	-626.2	591.9	-16675.9	88604.0	370272.0	3203.0
84.39	581.3	710.3	-18287.4	116173.0	-386987.0	5728.0
84.40	-215.7	-763.5	5126.3	-204336.0	100035.0	-3501.0
84.41	201.4	967.0	-22636.1	173765.0	-104690.0	3781.0
84.42	-595.6	-506.8	777.6	-146745.0	382332.0	-5448.0
84.43	544.7	638.3	-17202.2	101900.0	-334187.0	3504.0
84.44	-252.3	-835.6	6211.5	-218609.0	152836.0	-5726.0
84.45	238.0	1039.1	-23721.3	188038.0	-157491.0	6006.0
84.46	-559.0	-434.7	-307.6	-132472.0	329532.0	-3224.0
84.47	542.2	566.8	-16394.7	88157.0	-403831.0	4802.0
84.48	-176.7	-620.0	3233.6	-176320.0	116879.0	-2575.0
84.49	162.4	823.5	-20743.4	145748.0	-121534.0	2855.0
84.50	-556.5	-363.3	-1115.1	-118729.0	399176.0	-4522.0
84.51	505.7	494.7	-15309.5	73884.0	-351030.0	2578.0
84.52	-213.2	-692.1	4318.8	-190593.0	169679.0	-4800.0
84.53	198.9	895.6	-21828.6	160021.0	-174334.0	5080.0
84.54	-520.0	-291.2	-2200.3	-104456.0	346375.0	-2298.0

Calcolo resistenze

Resistenza a trazione dei bulloni $F_{tb,Rd} = 0.9 \cdot f_{tb} \cdot A_{res} / \gamma_{M2} = 90333.1 \text{ N}$

Resistenza a punzonamento flangia $B_{pf,Rd} = 0.6 \cdot \pi \cdot d_m \cdot t_f \cdot f_{tk} / \gamma_{M2} = 171184.1 \text{ N}$

Bull.	$F_{f,Rd} \text{ [N]}$	$F_{t,Rd} \text{ [N]}$
1	26191.4	26191.4
2	26191.4	26191.4
3	26191.4	26191.4
4	26191.4	26191.4

Legenda

$F_{f,Rd} = M_{res,m} / (B_m \cdot R_m)$ resistenza a flessione flangia

$F_{t,Rd} = \min [F_{tb,Rd} , B_{pf,Rd} , F_{f,Rd}]$ resistenza a trazione di progetto

Resistenza a taglio dei bulloni $F_{vb,Rd} = 0.6 \cdot f_{tb} \cdot A_{res} / \gamma_{M2} = 60222.1 \text{ N}$

Bull.	$F_{bf,x,Rd} \text{ [N]}$	$F_{v,x,Rd} \text{ [N]}$	$F_{bf,y,Rd} \text{ [N]}$	$F_{v,y,Rd} \text{ [N]}$
1	75680.0	60222.1	100906.7	60222.1
2	75680.0	60222.1	100906.7	60222.1
3	75680.0	60222.1	100906.7	60222.1
4	75680.0	60222.1	100906.7	60222.1

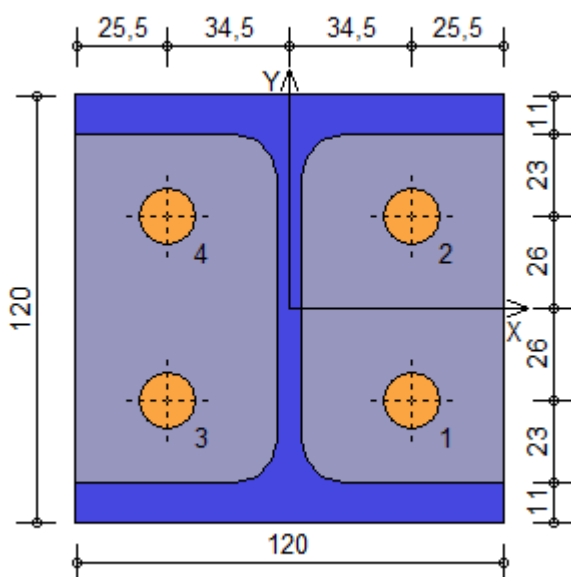
Legenda

$F_{bf,x,Rd} = k \cdot \alpha \cdot f_{tk} \cdot \emptyset \cdot t_f / \gamma_{M2}$ resistenza a rifollamento flangia in direzione x

$F_{v,x,Rd} = \min [F_{vb,Rd} , F_{bf,x,Rd}]$ resistenza a taglio di progetto in direzione x

$F_{bf,y,Rd} = k \cdot \alpha \cdot f_{tk} \cdot \emptyset \cdot t_f / \gamma_{M2}$ resistenza a rifollamento flangia in direzione y

$F_{v,y,Rd} = \min [F_{vb,Rd} , F_{bf,y,Rd}]$ resistenza a taglio di progetto in direzione y



Verifiche sui bulloni

1-Taglio e trazione (Nodo n. 84, CMB n. 32)

Bull.	X [mm]	Y [mm]	$F_{v,Ed}$ [N]	$F_{v,Rd}$ [N]	$F_{t,Ed}$ [N]	$F_{t,Rd}$ [N]	FV_1	VER
1	34.50	-26.00	247.4	60222.1	488.0	26191.4	0.017418	Ok
2	34.50	26.00	215.3	60222.1	2264.1	26191.4	0.065321	Ok
3	-34.50	-26.00	227.1	60222.1	1824.0	26191.4	0.053514	Ok
4	-34.50	26.00	191.7	60222.1	3600.0	26191.4	0.101362	Ok

2-Trazione (Nodo n. 84, CMB n. 32)

Bull.	X [mm]	Y [mm]	$F_{t,Ed}$ [N]	$F_{t,Rd}$ [N]	FV_2	VER
1	34.50	-26.00	488.0	26191.4	0.018634	Ok
2	34.50	26.00	2264.1	26191.4	0.086444	Ok
3	-34.50	-26.00	1824.0	26191.4	0.069640	Ok
4	-34.50	26.00	3600.0	26191.4	0.137451	Ok

Legenda

$F_{v,Ed}$ forza di taglio agente sul bullone
 $F_{v,Rd}$ resistenza a taglio di progetto del bullone
 $F_{t,Ed}$ forza di trazione agente sul bullone
 $F_{t,Rd}$ resistenza a trazione di progetto del bullone
 $FV_1 = F_{v,Ed} / F_{v,Rd} + F_{t,Ed} / (1.4 \cdot F_{t,Rd})$
 $FV_2 = F_{t,Ed} / F_{t,Rd}$
 $VER \rightarrow FV_i \leq 1$

Verifiche sulle saldature profilo-flangia (versione beta)

Si considera la sezione di gola (avente altezza $a = s_c / 2^{0.5} = 4.243$) in posizione ribaltata: vengono considerate positive le tensioni normali di trazione e le tensioni tangenziali agenti verso destra e verso il basso. Tutte le tensioni sono espresse in N/mm^2 .

Verifica formula (4.2.84) (Nodo n. 84, CMB n. 33)

Cordoni	Lung.[mm]	$n_{\perp}$	$t_{\perp}$	$\tau_{\parallel}$	FV_1	VER ₁
Ala inferiore interno lato destro	44.8	-9.19	0.00	1.30	9.28	Ok
Ala inferiore interno lato sinistro	44.8	-20.23	0.00	1.30	20.27	Ok
Anima lato destro	74.0	-20.82	0.00	-0.64	20.83	Ok
Anima lato sinistro	74.0	-20.82	0.00	-0.64	20.83	Ok
Ala superiore interno lato destro	44.8	-19.69	0.00	1.30	19.73	Ok
Ala superiore interno lato sinistro	44.8	-30.73	0.00	1.30	30.76	Ok

Verifica formula (4.2.85) (Nodo n. 84, CMB n. 33)

Cordoni	Lung.[mm]	$n_{\perp}$	$t_{\perp}$	$\tau_{\parallel}$	FV_2	VER ₂
Ala inferiore interno lato destro	44.8	-9.19	0.00	1.30	9.19	Ok
Ala inferiore interno lato sinistro	44.8	-20.23	0.00	1.30	20.23	Ok

Anima lato destro	74.0	-20.82	0.00	-0.64	20.82	Ok
Anima lato sinistro	74.0	-20.82	0.00	-0.64	20.82	Ok
Ala superiore interno lato destro	44.8	-19.69	0.00	1.30	19.69	Ok
Ala superiore interno lato sinistro	44.8	-30.73	0.00	1.30	30.73	Ok

Legenda

$n_{\perp}$ tensione normale perpendicolare all'asse del cordone

$t_{\perp}$ tensione tangenziale perpendicolare all'asse del cordone

$\tau_{\parallel}$ tensione tangenziale parallela all'asse del cordone

$$FV_1 = (n_{\perp}^2 + t_{\perp}^2 + \tau_{\parallel}^2)^{0.5}$$

$$FV_2 = |n_{\perp}| + |t_{\perp}|$$

$$VER_i \rightarrow FV_i \leq \beta_i \cdot f_{yk} \quad (\beta_1 \cdot f_{yk} = 192.50 \text{ N/mm}^2 \quad \beta_2 \cdot f_{yk} = 233.75 \text{ N/mm}^2)$$

Verifica del momento di progetto del giunto (Nodo n. 84, CMB n. 32)

Momento resistente del giunto $M_{j,Rd} = 5391082.0 \text{ N mm}$

Momento di progetto $M_{j,Ed} = 513087.4 \text{ N mm}$

$$M_{j,Ed} / M_{j,Rd} = 0.095173 \quad \text{Ok}$$

RELAZIONE DI CALCOLO STRUTTURALE	4
PREMESSA	4
DESCRIZIONE GENERALE DELL'OPERA	4
QUADRO NORMATIVO DI RIFERIMENTO ADOTTATO	5
AZIONI DI PROGETTO SULLA COSTRUZIONE	5
MODELLO NUMERICO	6
Tipo di analisi strutturale	6
Informazioni sul codice di calcolo	6
Affidabilità dei codici utilizzati	6
MODELLAZIONE DELLE AZIONI	8
COMBINAZIONI E/O PERCORSI DI CARICO	8
VERIFICHE AGLI STATI LIMITE ULTIMI	9
VERIFICHE AGLI STATI LIMITE DI ESERCIZIO	9
NORMATIVA DI RIFERIMENTO	10
CARATTERISTICHE MATERIALI UTILIZZATI	14
LEGENDA TABELLA DATI MATERIALI	14
MODELLAZIONE DELLE SEZIONI	20
LEGENDA TABELLA DATI SEZIONI	20
MODELLAZIONE STRUTTURA: NODI	22
LEGENDA TABELLA DATI NODI	22
TABELLA DATI NODI	22
MODELLAZIONE STRUTTURA: ELEMENTI SHELL	25
LEGENDA TABELLA DATI SHELL	25
MODELLAZIONE DELLE AZIONI	31
LEGENDA TABELLA DATI AZIONI	31
SCHEMATIZZAZIONE DEI CASI DI CARICO	34
LEGENDA TABELLA CASI DI CARICO	34
DEFINIZIONE DELLE COMBINAZIONI	45
LEGENDA TABELLA COMBINAZIONI DI CARICO	45
AZIONE SISMICA	52
VALUTAZIONE DELL' AZIONE SISMICA	52
Parametri della struttura	52
RISULTATI ANALISI SISMICHE	58
LEGENDA TABELLA ANALISI SISMICHE	58
RISULTATI NODALI	68
LEGENDA RISULTATI NODALI	68
RISULTATI OPERE DI FONDAZIONE	125

LEGENDA RISULTATI OPERE DI FONDAZIONE	125
RISULTATI ELEMENTI TIPO SHELL	135
LEGENDA RISULTATI ELEMENTI TIPO SHELL	135
VERIFICHE ELEMENTI PARETE E GUSCIO IN C.A.....	266
STATI LIMITE D' ESERCIZIO	288
LEGENDA TABELLA STATI LIMITE D' ESERCIZIO	288
STATO LIMITE D' ESERCIZIO: SLD DANNO SISMICO	293
LEGENDA TABELLA STATI LIMITE DI DANNO (VERIFICHE RES)	293
Simbologia adottata nelle tabelle di verifica	293

RELAZIONE DI CALCOLO STRUTTURALE

PREMESSA

La presente relazione di calcolo strutturale, in conformità al §10.1 del DM 17/01/18, è comprensiva di una descrizione generale dell'opera e dei criteri generali di analisi e verifica. Segue inoltre le indicazioni fornite al §10.2 del DM stesso per quanto concerne analisi e verifiche svolte con l'ausilio di codici di calcolo.

Nella presente parte sono riportati i principali elementi di inquadramento del progetto esecutivo riguardante le strutture, in relazione agli strumenti urbanistici, al progetto architettonico, al progetto delle componenti tecnologiche in generale ed alle prestazioni attese dalla struttura.

DESCRIZIONE GENERALE DELL'OPERA

Descrizione generale dell'opera	
Fabbricato ad uso	Scala metallica e castello ascensore
Ubicazione	Comune di CASTAGNETO CARDUCCI (LI) (Regione TOSCANA)
	Località CASTAGNETO CARDUCCI (LI)
	Longitudine 10.611, Latitudine 43.160
Numero di piani	Fuori terra 2
	Interrati 0
	le dimensioni dell'opera in pianta sono racchiuse in un rettangolo di
Numero vani scale	1
Numero vani ascensore	1
Tipo di fondazione	Platea

Principali caratteristiche della struttura	
Struttura regolare in pianta	SI
Struttura regolare in altezza	SI
Classe di duttilità	ND
Travi: ricalate o in spessore	SI
Pilastrì	SI
Pilastrì in falso	NO
Tipo di fondazione	Platea
Condizioni per cui è necessario considerare la componente verticale del sisma	NO

Parametri della struttura			
Classe d'uso	Vita Vn [anni]	Coeff. Uso	Periodo Vr [anni]
III	50.0	1.5	75.0

Fattore di struttura/comportamento

1.5 – Non Dissipativo

QUADRO NORMATIVO DI RIFERIMENTO ADOTTATO

Le norme ed i documenti assunti quale riferimento per la progettazione strutturale vengono indicati di seguito.

Nel capitolo "normativa di riferimento" è comunque presente l'elenco completo delle normative disponibili.

Progetto-verifica degli elementi

Progetto cemento armato	D.M. 17-01-2018
Progetto acciaio	D.M. 17-01-2018

Azione sismica

Norma applicata per l' azione sismica	D.M. 17-01-2018

AZIONI DI PROGETTO SULLA COSTRUZIONE

Nei capitoli "modellazione delle azioni" e "schematizzazione dei casi di carico" sono indicate le azioni sulla costruzione.

Nel prosieguo si indicano tipo di analisi strutturale condotta (statico,dinamico, lineare o non lineare) e il metodo adottato per la risoluzione del problema strutturale nonché le metodologie seguite per la verifica o per il progetto-verifica delle sezioni. Si riportano le combinazioni di carico adottate e, nel caso di calcoli non lineari, i percorsi di carico seguiti; le configurazioni studiate per la struttura in esame *sono risultate effettivamente esaustive per la progettazione-verifica.*

La verifica della sicurezza degli elementi strutturali avviene con i metodi della scienza delle costruzioni. L'analisi strutturale è condotta con il metodo degli spostamenti per la valutazione dello stato tensodeformativo indotto da carichi statici. L'analisi strutturale è condotta con il metodo dell'analisi modale e dello spettro di risposta in termini di accelerazione per la valutazione dello stato tensodeformativo indotto da carichi dinamici (tra cui quelli di tipo sismico).

L'analisi strutturale viene effettuata con il metodo degli elementi finiti. Il metodo sopraindicato si basa sulla schematizzazione della struttura in elementi connessi solo in corrispondenza di un numero prefissato di punti denominati nodi. I nodi sono definiti dalle tre coordinate cartesiane in un sistema di riferimento globale. Le incognite del problema (nell'ambito del metodo degli spostamenti) sono le componenti di spostamento dei nodi riferite al sistema di riferimento globale (traslazioni secondo X, Y, Z, rotazioni attorno X, Y, Z). La soluzione del problema si ottiene con un sistema di equazioni algebriche lineari i cui termini noti sono costituiti dai carichi agenti sulla struttura opportunamente concentrati ai nodi:

$\mathbf{K} * \mathbf{u} = \mathbf{F}$ dove $\mathbf{K}$ = matrice di rigidità

$\mathbf{u}$ = vettore spostamenti nodali

$\mathbf{F}$ = vettore forze nodali

Dagli spostamenti ottenuti con la risoluzione del sistema vengono quindi dedotte le sollecitazioni e/o le tensioni di ogni elemento, riferite generalmente ad una terna locale all'elemento stesso.

Il sistema di riferimento utilizzato è costituito da una terna cartesiana destrorsa XYZ. Si assume l'asse Z verticale ed orientato verso l'alto.

Gli elementi utilizzati per la modellazione dello schema statico della struttura sono i seguenti:

Elemento tipo TRUSS	(biella-D2)
Elemento tipo BEAM	(trave-D2)
Elemento tipo MEMBRANE	(membrana-D3)
Elemento tipo PLATE	(piastra-guscio-D3)

Elemento tipo BOUNDARY	(molla)
Elemento tipo STIFFNESS	(matrice di rigidezza)
Elemento tipo BRICK	(elemento solido)
Elemento tipo SOLAIO	(macro elemento composto da più membrane)

MODELLO NUMERICO

In questa parte viene descritto il modello numerico utilizzato (o i modelli numerici utilizzati) per l'analisi della struttura. La presentazione delle informazioni deve essere, coerentemente con le prescrizioni del paragrafo 10.2 e relativi sottoparagrafi delle NTC-18, tale da garantirne la leggibilità, la corretta interpretazione e la riproducibilità

Tipo di analisi strutturale	
Sismica statica lineare	NO
Sismica dinamica lineare	SI
Sismica statica non lineare (prop. masse)	NO
Sismica statica non lineare (prop. modo)	NO
Sismica statica non lineare (triangolare)	NO
Non linearità geometriche (fattore P delta)	NO
Analisi lineare	SI

Di seguito si indicano l'origine e le caratteristiche dei codici di calcolo utilizzati riportando titolo, produttore e distributore, versione, estremi della licenza d'uso:

Informazioni sul codice di calcolo	
Titolo:	PRO_SAP PROfessional Structural Analysis Program
Versione:	PROFESSIONAL (build 2024-06-200)
Produttore-Distributore:	2S.I. Software e Servizi per l'Ingegneria s.r.l., Ferrara
Dati utente finale:	Fabrica Progetti s.r.l.
Codice Licenza:	Licenza dsi7081

Un attento esame preliminare della documentazione a corredo del software **ha consentito di valutarne l'affidabilità e soprattutto l'idoneità al caso specifico**. La documentazione, fornita dal produttore e distributore del software, contiene una esauriente descrizione delle basi teoriche e degli algoritmi impiegati, l'individuazione dei campi d'impiego, nonché casi prova interamente risolti e commentati, corredati dei file di input necessari a riprodurre l'elaborazione:

Affidabilità dei codici utilizzati
2S.I. ha verificato l'affidabilità e la robustezza del codice di calcolo attraverso un numero significativo di casi prova in cui i risultati dell'analisi numerica sono stati confrontati con soluzioni teoriche. E' possibile reperire la documentazione contenente alcuni dei più significativi casi trattati al seguente link: https://www.2si.it/it/prodotti/affidabilita/

Modellazione della geometria e proprietà meccaniche:	
nodi	364
elementi D2 (per aste, travi, pilastri...)	194
elementi D3 (per pareti, platee, gusci...)	240
elementi solaio	30
elementi solidi	0
Dimensione del modello strutturale [cm]:	
X min =	0.00
Xmax =	660.00
Ymin =	0.00
Ymax =	1085.00
Zmin =	-137.00
Zmax =	860.00
Strutture verticali:	
Elementi di tipo asta	NO
Pilastri	SI
Pareti	SI
Setti (a comportamento membranale)	NO
Strutture non verticali:	
Elementi di tipo asta	SI
Travi	SI
Gusci	NO
Membrane	NO
Orizzontamenti:	
Solai con la proprietà piano rigido	SI
Solai senza la proprietà piano rigido	SI
Tipo di vincoli:	
Nodi vincolati rigidamente	NO
Nodi vincolati elasticamente	NO
Nodi con isolatori sismici	NO
Fondazioni puntuali (plinti/plinti su palo)	NO
Fondazioni di tipo trave	NO
Fondazioni di tipo platea	SI
Fondazioni con elementi solidi	NO

MODELLAZIONE DELLE AZIONI

Si veda il capitolo **“Schematizzazione dei casi di carico”** per le informazioni necessarie alla comprensione ed alla ricostruzione delle azioni applicate al modello numerico, coerentemente con quanto indicato nella parte *“2.6. Azioni di progetto sulla costruzione”*.

COMBINAZIONI E/O PERCORSI DI CARICO

Si veda il capitolo **“Definizione delle combinazioni”** in cui sono indicate le combinazioni di carico adottate e, nel caso di calcoli non lineari, i percorsi di carico seguiti.

Combinazioni dei casi di carico	
APPROCCIO PROGETTUALE	Approccio 2
SLU	SI
SLV (SLU con sisma)	SI
SLC	NO
SLD	SI
SLO	NO
SLU GEO A2 (per approccio 1)	NO
SLU EQU	NO
Combinazione caratteristica (rara)	SI
Combinazione frequente	SI
Combinazione quasi permanente (SLE)	SI
SLA (accidentale quale incendio)	NO

Principali risultati
I risultati devono costituire una sintesi completa ed efficace, presentata in modo da riassumere il comportamento della struttura, per ogni tipo di analisi svolta. Nella presente relazione di calcolo sono riportati i seguenti risultati che il progettista ritiene di interesse per la descrizione e la comprensione del/i modello/i e del comportamento della struttura: per l'analisi modale: • periodi dei modi di vibrare della struttura • masse eccitate dai singoli modi • massa eccitata totale deformate e sollecitazioni: • spostamenti e rotazioni dei singoli nodi della struttura • reazioni vincolari (nel caso siano presenti nodi vincolati rigidamente) • pressioni sul terreno (nel caso siano presenti elementi di fondazione) • sollecitazioni sugli elementi d2 nelle combinazioni di calcolo più significative • tensioni sugli elementi d3 nelle combinazioni di calcolo più significative

- sollecitazioni sui macroelementi da elementi d3 nelle combinazioni di calcolo più significative

La presente relazione, oltre ad illustrare in modo esaustivo i dati in ingresso ed i risultati delle analisi in forma tabellare, riporta una serie di immagini:

per i dati in ingresso:

- modello solido della struttura
- numerazione di nodi e ed elementi
- configurazioni di carico statiche
- configurazioni di carico sismiche con baricentri delle masse e eccentricità

per le combinazioni più significative (statisticamente più gravose per la struttura):

- configurazioni deformate
- diagrammi e involuppi delle azioni interne
- mappe delle tensioni
- reazioni vincolari
- mappe delle pressioni sul terreno

per il progetto-verifica degli elementi:

- diagrammi di armatura
- percentuali di sfruttamento
- mappe delle verifiche più significative per i vari stati limite

Informazioni generali sull'elaborazione e giudizio motivato di accettabilità dei risultati.

Il programma prevede una serie di controlli automatici (check) che consentono l'individuazione di errori di modellazione. Al termine dell'analisi un controllo automatico identifica la presenza di spostamenti o rotazioni anormali. Si può pertanto asserire che l'elaborazione sia corretta e completa. I risultati delle elaborazioni sono stati sottoposti a controlli che ne comprovano l'attendibilità. Tale valutazione ha compreso il confronto con i risultati di semplici calcoli, eseguiti con metodi tradizionali e adottati, anche in fase di primo proporzionamento della struttura. Inoltre, sulla base di considerazioni riguardanti gli stati tensionali e deformativi determinati, si è valutata la validità delle scelte operate in sede di schematizzazione e di modellazione della struttura e delle azioni. Si allega al termine della presente relazione elenco sintetico dei controlli svolti (verifiche di equilibrio tra reazioni vincolari e carichi applicati, comparazioni tra i risultati delle analisi e quelli di valutazioni semplificate, etc.) .

VERIFICHE AGLI STATI LIMITE ULTIMI

Nel capitolo relativo alla progettazione degli elementi strutturali agli SLU vengono indicate, con riferimento alla normativa adottata, le modalità ed i criteri seguiti per valutare la sicurezza della struttura nei confronti delle possibili situazioni di crisi ed i risultati delle valutazioni svolte. In via generale, oltre alle verifiche di resistenza e di spostamento, devono essere prese in considerazione verifiche nei confronti dei fenomeni di instabilità, locale e globale, di fatica, di duttilità, di degrado.

VERIFICHE AGLI STATI LIMITE DI ESERCIZIO

Nel capitolo relativo alla progettazione degli elementi strutturali agli SLE vengono indicate, con riferimento alla normativa adottata, le modalità seguite per valutare l'affidabilità della struttura nei confronti delle possibili situazioni di perdita di funzionalità (per eccessive deformazioni, fessurazioni, vibrazioni, etc.) ed i risultati delle valutazioni svolte.

NORMATIVA DI RIFERIMENTO

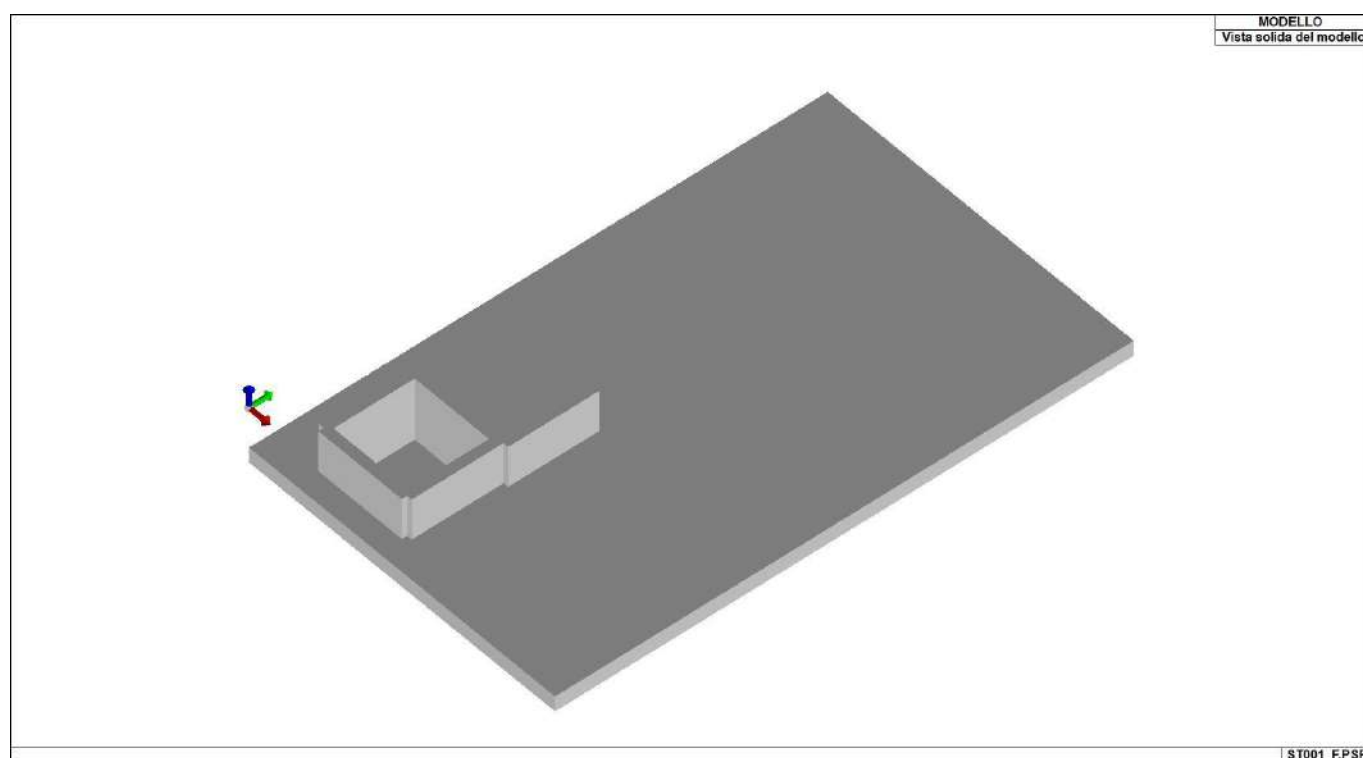
1. D.Min. Infrastrutture Min. Interni e Prot. Civile 17 Gennaio 2018 e allegate "Norme tecniche per le costruzioni".
2. Circolare 21/01/19, n. 7 C.S.LL.PP. "Istruzioni per l'applicazione dell'aggiornamento delle Norme Tecniche delle Costruzioni di cui al decreto ministeriale 17 gennaio 2018"
3. D.Min. Infrastrutture e trasporti 14 Settembre 2005 e allegate "Norme tecniche per le costruzioni".
4. D.M. LL.PP. 9 Gennaio 1996 "Norme tecniche per il calcolo, l'esecuzione ed il collaudo delle strutture in cemento armato, normale e precompresso e per le strutture metalliche".
5. D.M. LL.PP. 16 Gennaio 1996 "Norme tecniche relative ai <<Criteri generali per la verifica di sicurezza delle costruzioni e dei carichi e sovraccarichi>>".
6. D.M. LL.PP. 16 Gennaio 1996 "Norme tecniche per le costruzioni in zone sismiche".
7. Circolare 4/07/96, n.156AA.GG./STC. istruzioni per l'applicazione delle "Norme tecniche relative ai <<Criteri generali per la verifica di sicurezza delle costruzioni e dei carichi e sovraccarichi>>" di cui al D.M. 16/01/96.
8. Circolare 10/04/97, n.65AA.GG. istruzioni per l'applicazione delle "Norme tecniche per le costruzioni in zone sismiche" di cui al D.M. 16/01/96.
9. D.M. LL.PP. 20 Novembre 1987 "Norme tecniche per la progettazione, esecuzione e collaudo degli edifici in muratura e per il loro consolidamento".
10. Circolare 4 Gennaio 1989 n. 30787 "Istruzioni in merito alle norme tecniche per la progettazione, esecuzione e collaudo degli edifici in muratura e per il loro consolidamento".
11. D.M. LL.PP. 11 Marzo 1988 "Norme tecniche riguardanti le indagini sui terreni e sulle rocce, la stabilità dei pendii naturali e delle scarpate, i criteri generali e le prescrizioni per la progettazione, l'esecuzione e il collaudo delle opere di sostegno delle terre e delle opere di fondazione".
12. D.M. LL.PP. 3 Dicembre 1987 "Norme tecniche per la progettazione, esecuzione e collaudo delle costruzioni prefabbricate".
13. UNI 9502 - Procedimento analitico per valutare la resistenza al fuoco degli elementi costruttivi di conglomerato cementizio armato, normale e precompresso - edizione maggio 2001
14. Ordinanza del Presidente del Consiglio dei Ministri n. 3274 del 20 marzo 2003 "Primi elementi in materia di criteri generali per la classificazione sismica del territorio nazionale e di normative tecniche per le costruzioni in zona sismica" e successive modificazioni e integrazioni.
15. UNI EN 1990:2006 13/04/2006 Eurocodice 0 - Criteri generali di progettazione strutturale.
16. UNI EN 1991-1-1:2004 01/08/2004 Eurocodice 1 - Azioni sulle strutture - Parte 1-1: Azioni in generale - Pesi per unità di volume, pesi propri e sovraccarichi per gli edifici.
17. UNI EN 1991-2:2005 01/03/2005 Eurocodice 1 - Azioni sulle strutture - Parte 2: Carichi da traffico sui ponti.
18. UNI EN 1991-1-3:2004 01/10/2004 Eurocodice 1 - Azioni sulle strutture - Parte 1-3: Azioni in generale - Carichi da neve.
19. UNI EN 1991-1-4:2005 01/07/2005 Eurocodice 1 - Azioni sulle strutture - Parte 1-4: Azioni in generale - Azioni del vento.
20. UNI EN 1991-1-5:2004 01/10/2004 Eurocodice 1 - Azioni sulle strutture - Parte 1-5: Azioni in generale - Azioni termiche.
21. UNI EN 1992-1-1:2005 24/11/2005 Eurocodice 2 - Progettazione delle strutture di calcestruzzo - Parte 1-1: Regole generali e regole per gli edifici.
22. UNI EN 1992-1-2:2005 01/04/2005 Eurocodice 2 - Progettazione delle strutture di calcestruzzo - Parte 1-2: Regole generali - Progettazione strutturale contro l'incendio.
23. UNI EN 1993-1-1:2005 01/08/2005 Eurocodice 3 - Progettazione delle strutture di acciaio - Parte 1-1: Regole generali e regole per gli edifici.
24. UNI EN 1993-1-8:2005 01/08/2005 Eurocodice 3 - Progettazione delle strutture di acciaio - Parte 1-8: Progettazione dei collegamenti.
25. UNI EN 1994-1-1:2005 01/03/2005 Eurocodice 4 - Progettazione delle strutture composte acciaio-calcestruzzo - Parte 1-1: Regole generali e regole per gli edifici.
26. UNI EN 1994-2:2006 12/01/2006 Eurocodice 4 - Progettazione delle strutture composte acciaio-calcestruzzo - Parte 2: Regole generali e regole per i ponti.
27. UNI EN 1995-1-1:2005 01/02/2005 Eurocodice 5 - Progettazione delle strutture di legno - Parte 1-1: Regole generali - Regole comuni e regole per gli edifici.
28. UNI EN 1995-2:2005 01/01/2005 Eurocodice 5 - Progettazione delle strutture di legno - Parte 2: Ponti.
29. UNI EN 1996-1-1:2006 26/01/2006 Eurocodice 6 - Progettazione delle strutture di muratura - Parte 1-1: Regole generali per strutture di muratura armata e non armata.
30. UNI EN 1996-3:2006 09/03/2006 Eurocodice 6 - Progettazione delle strutture di muratura - Parte 3: Metodi

di calcolo semplificato per strutture di muratura non armata.

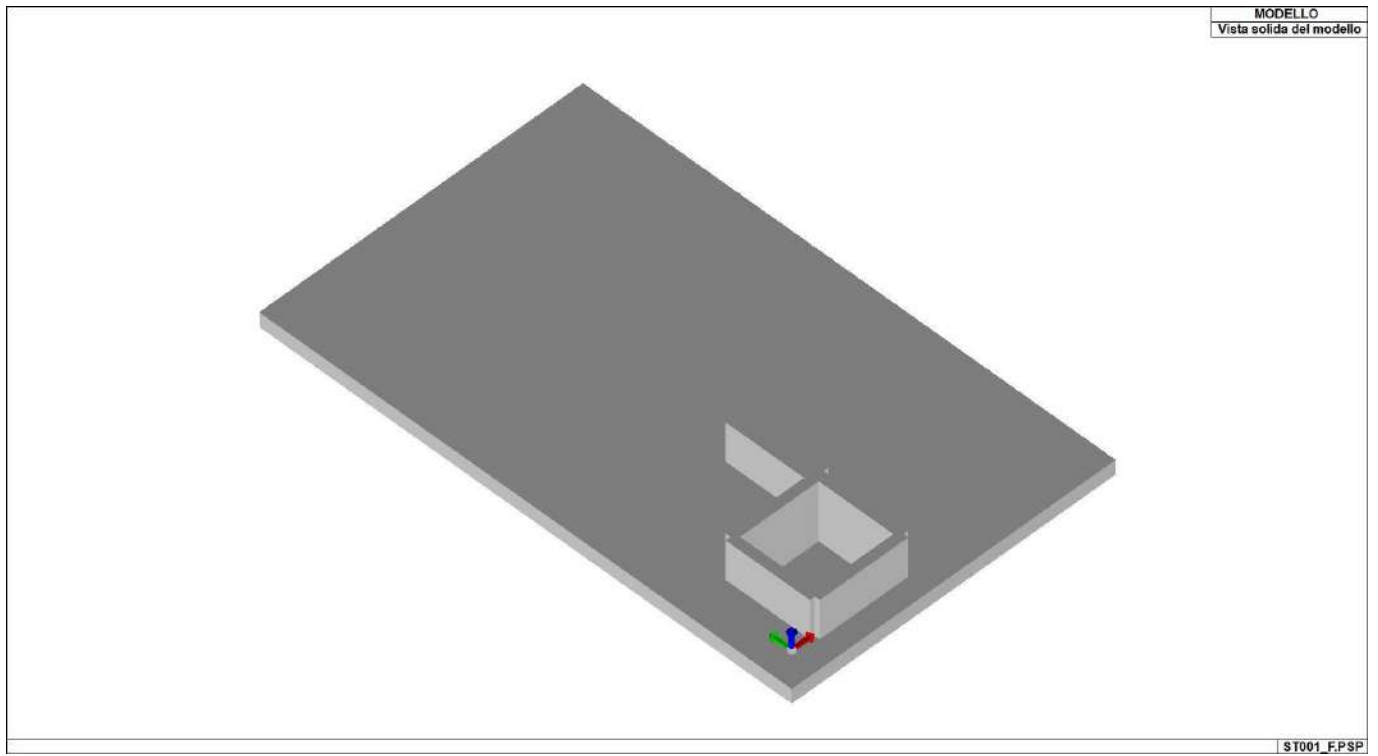
31. UNI EN 1997-1:2005 01/02/2005 Eurocodice 7 - Progettazione geotecnica - Parte 1: Regole generali.
32. UNI EN 1998-1:2005 01/03/2005 Eurocodice 8 - Progettazione delle strutture per la resistenza sismica - Parte 1: Regole generali, azioni sismiche e regole per gli edifici.
33. UNI EN 1998-3:2005 01/08/2005 Eurocodice 8 - Progettazione delle strutture per la resistenza sismica - Parte 3: Valutazione e adeguamento degli edifici.
34. UNI EN 1998-5:2005 01/01/2005 Eurocodice 8 - Progettazione delle strutture per la resistenza sismica - Parte 5: Fondazioni, strutture di contenimento ed aspetti geotecnici.
35. CNR DT-200/2013 - Istruzioni per la Progettazione, l'Esecuzione ed il Controllo di Interventi di Consolidamento Statico mediante l'utilizzo di Compositi Fibrorinforzati
36. CNR DT-215/2018 - Istruzioni per la Progettazione, l'Esecuzione ed il Controllo di Interventi di Consolidamento Statico mediante l'utilizzo di Compositi Fibrorinforzati a Matrice Inorganica

NOTA: il presente capitolo riporta l'elenco delle normative implementate nel software. Le norme utilizzate per la struttura oggetto della presente relazione sono indicate nel precedente capitolo "RELAZIONE DI CALCOLO STRUTTURALE" "ANALISI E VERIFICHE SVOLTE CON L'AUSILIO DI CODICI DI CALCOLO".

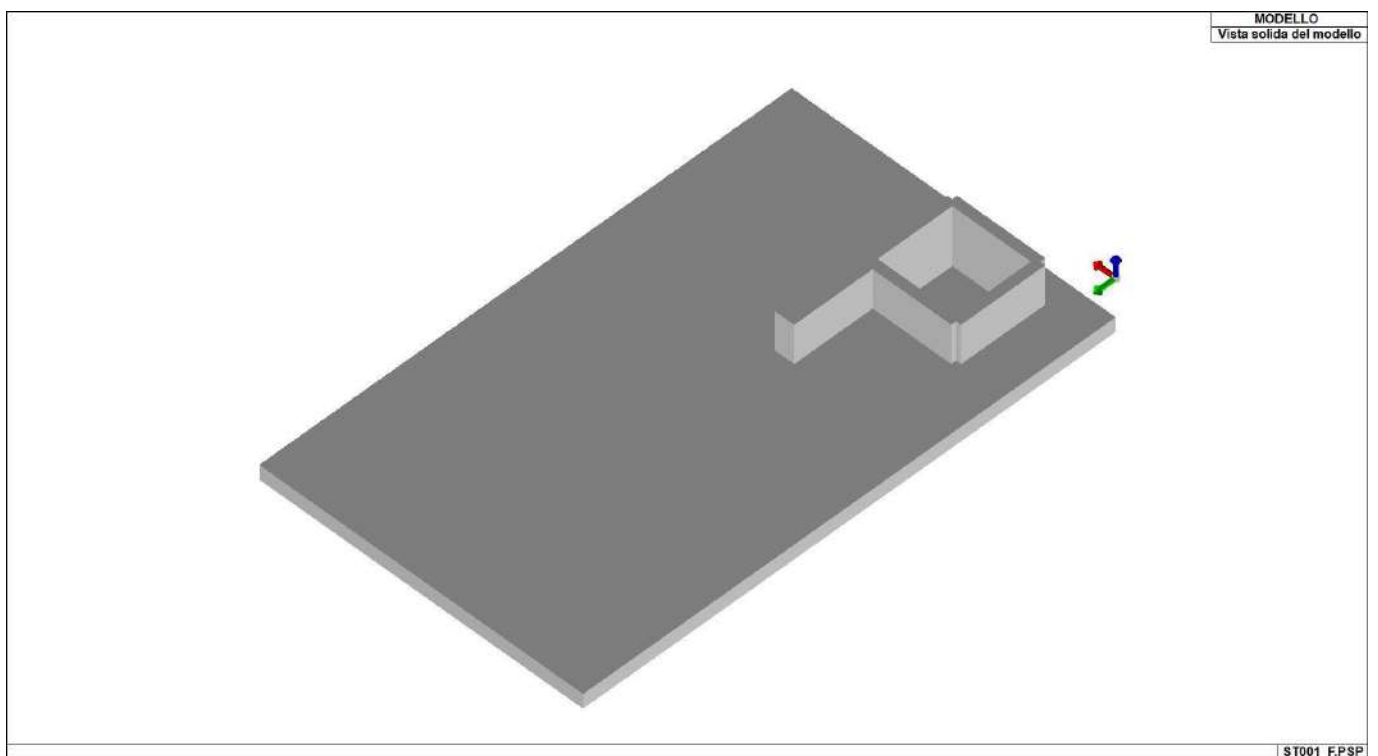
Laddove nei capitoli successivi vengano richiamate normative antecedenti al DM 17.01.18 è dovuto alla progettazione simulata di edificio esistente.



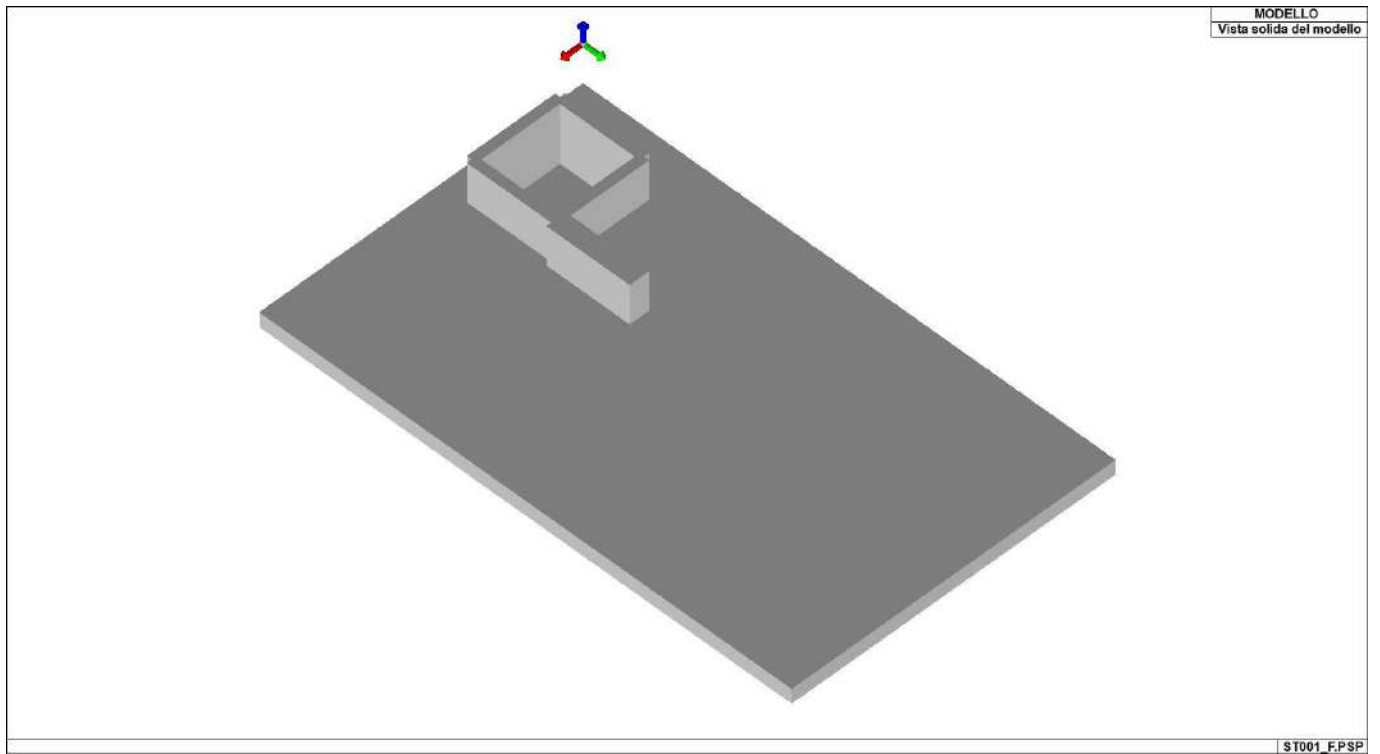
01_INT_VISTA_SOLIDA_001



01_INT_VISTA_SOLIDA_002



01_INT_VISTA_SOLIDA_003



01_INT_VISTA_SOLIDA_004

CARATTERISTICHE MATERIALI UTILIZZATI

LEGENDA TABELLA DATI MATERIALI

Il programma consente l'uso di materiali diversi. Sono previsti i seguenti tipi di materiale:

1	materiale tipo cemento armato
2	materiale tipo acciaio
3	materiale tipo muratura
4	materiale tipo legno
5	materiale tipo generico

I materiali utilizzati nella modellazione sono individuati da una sigla identificativa ed un codice numerico (gli elementi strutturali richiamano quest'ultimo nella propria descrizione). Per ogni materiale vengono riportati in tabella i seguenti dati:

Young	modulo di elasticità normale E
Poisson	coefficiente di contrazione trasversale ν
G	modulo di elasticità tangenziale
Gamma	peso specifico
Alfa	coefficiente di dilatazione termica
Fattore di confidenza FC m	Fattore di confidenza specifico per materiale; (è riportato solo se diverso da quello globale della struttura)
Fattore di confidenza FC a	Fattore di confidenza specifico per l'armatura (è riportato solo se diverso da quello globale della struttura)
Elasto-plastico	Materiale elastico perfettamente plastico per aste non lineari
Massima compressione	Massima tensione di compressione per aste non lineari
Massima trazione	Massima tensione di trazione per aste non lineari
Fattore attrito	Coefficiente di attrito per aste non lineari
Rapporto HRDb	Rapporto di hardening a flessione
Rapporto HRDv	Rapporto di hardening a taglio

I dati soprariportati vengono utilizzati per la modellazione dello schema statico e per la determinazione dei carichi inerziali e termici. In relazione al tipo di materiale vengono riportati inoltre:

1	c.a.	Resistenza Rc Resistenza fctm Coefficiente ksb	resistenza a compressione cubica resistenza media a trazione semplice Coefficiente di riduzione della resistenza a compressione da utilizzare nello stress block
2	acciaio	Tensione ft Tensione fy Resistenza fd Resistenza fd (>40) Tensione ammissibile Tensione ammissibile(>40)	Valore della tensione di rottura Valore della tensione di snervamento Resistenza di calcolo per SL CNR-UNI 10011 Resistenza di calcolo per SL CNR-UNI 10011 per spessori > 40mm Tensione ammissibile CNR-UNI 10011 Tensione ammissibile CNR-UNI 10011 per spessori > 40mm
3	muratura		

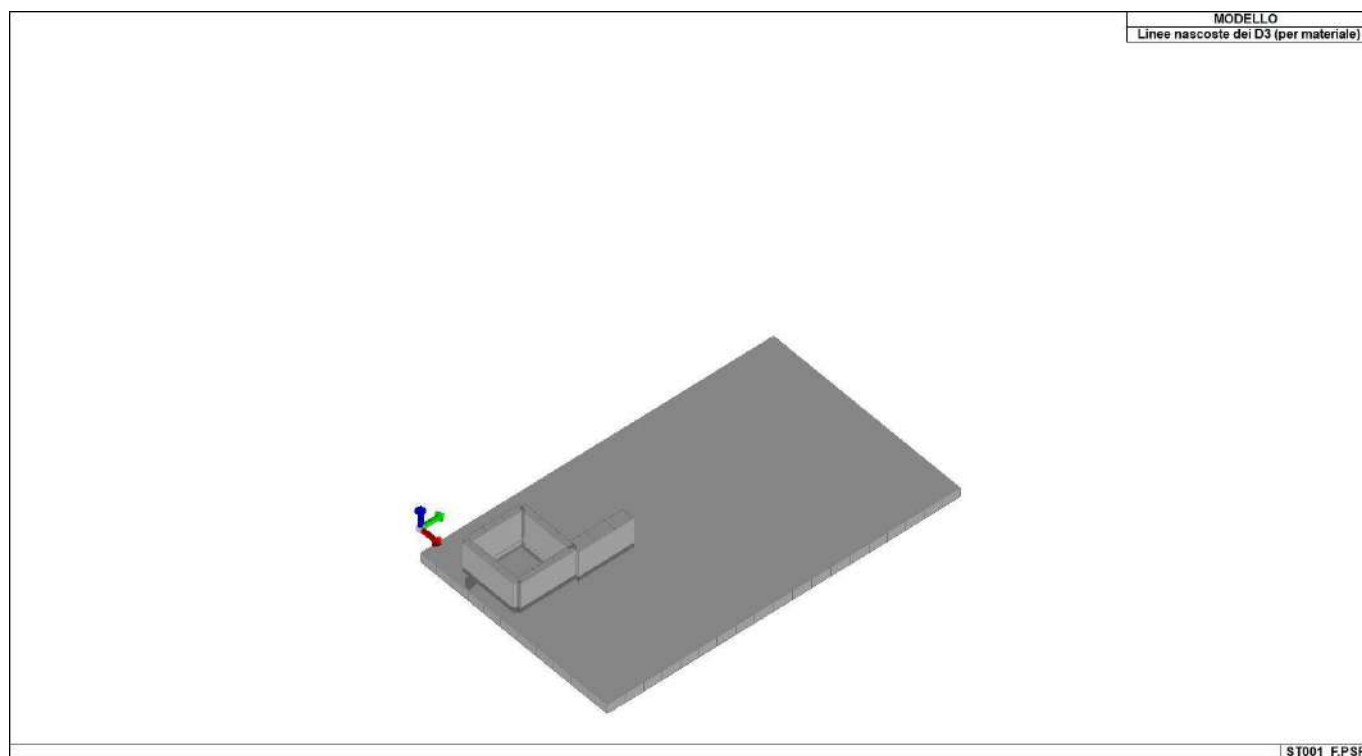
	Muratura consolidata	Muratura per la quale si prevedono interventi di rinforzo"
	Incremento resistenza	Incremento conseguito in termini di resistenza
	Incremento rigidezza	Incremento conseguito in termini di rigidezza
	Resistenza f	Valore della resistenza a compressione
	Resistenza fv0	Valore della resistenza a taglio in assenza di tensioni normali
	Resistenza fh	Valore della resistenza a compressione orizzontale
	Resistenza fb	Valore della resistenza a compressione dei blocchi
	Resistenza fbh	Valore della resistenza a compressione dei blocchi in direzione orizzontale
	Resistenza fv0h	Valore della resistenza a taglio in assenza di tensioni normali per le travi
	Resistenza ft	Valore della resistenza a trazione per fessurazione diagonale
	Resistenza fvim	Valore della massima resistenza a taglio
	Resistenza fbt	Valore della resistenza a trazione dei blocchi
	Coefficiente mu	Coefficiente d'attrito utilizzato per la resistenza a taglio
	Coefficiente fi	Coefficiente d'ingranamento utilizzato per la resistenza a taglio
	Coefficiente ksb	Coefficiente di riduzione della resistenza a compressione da utilizzare nello stress block
4	legno	
	E0,05	Modulo di elasticità corrispondente ad un frattile del 5%
	Resistenza fc0	Valore della resistenza a compressione parallela
	Resistenza ft0	Valore della resistenza a trazione parallela
	Resistenza fm	Valore della resistenza a flessione
	Resistenza fv	Valore della resistenza a taglio
	Resist. ft0k	Resistenza caratteristica (tensione amm. per REGLES) per trazione
	Resist. fmk	Resistenza caratteristica (tensione amm. per REGLES) per flessione
	Resist. fvk	Resistenza caratteristica (tensione amm. per REGLES) per taglio
	Modulo E0,05	Modulo elastico parallelo caratteristico
	Lamellare	lamellare o massiccio

Nel tabulato si riportano sia i valori caratteristici che medi utilizzando gli uni e/o gli altri in relazione alle richieste di normativa ed alla tipologia di verifica. (Cap.7 NTC18 per materiali nuovi, Cap.8 NTC18 e relativa circolare 21/01/2019 per materiali esistenti, Linee Guida Reluis per incamiciatura CAM, CNR-DT 200 per interventi con FRP, CNR-DT 215 per interventi con FRCM)

Vengono inoltre riportate le tabelle contenenti il riassunto delle informazioni assegnate nei criteri di progetto in uso.

Id	Tipo / Note	V. caratt.	V. medio	Young	Poisson	G	Gamma	Alfa	Altri
		daN/cm2	daN/cm2	daN/cm2		daN/cm2	daN/cm3		
1	Calcestruzzo Classe C25/30			3.145e+05	0.20	1.310e+05	2.50e-03	1.00e-05	
	Resistenza Rc	300.0							
	Resistenza fctm		25.6						
	Rapporto Rfessurata (assiale)								1.00
	Rapporto Rfessurata (flessione)								1.00
	Rapporto Rfessurata (taglio)								1.00
	Coefficiente ksb								0.85
	Rapporto HRDb								1.00e-05
	Rapporto HRDv								1.00e-05
12	Acciaio Fe430 - S275-acciaio Fe430-S275			2.100e+06	0.30	8.077e+05	7.85e-03	1.20e-05	
	Tensione ft	4300.0							
	Resistenza fd	2750.0							
	Resistenza fd (>40)	2500.0							
	Tensione ammissibile	1900.0							
	Tensione ammissibile (>40)	1700.0							
	Rapporto HRDb								1.00e-05
	Rapporto HRDv								1.00e-05
158	S275 - controventi-acciaio Fe430-S275			1.050e+06	0.30	8.077e+05	7.85e-03	1.20e-05	
	Tensione ft	4300.0							

Id	Tipo / Note	V. caratt.	V. medio	Young	Poisson	G	Gamma	Alfa	Altri
	Resistenza fd	2750.0							
	Resistenza fd (>40)	2500.0							
	Tensione ammissibile	1900.0							
	Tensione ammissibile (>40)	1700.0							
	Rapporto HRDb								1.00e-05
	Rapporto HRDv								1.00e-05



11_MOD_MATERIALI_D3

Aste acc.	1/7/..	2/8/..	3/9/..	4/10/..	5/11/..	6/12/..
Generalità						
Beta assegnato	0.80	0.80				
Verifica come controvento	SI	NO				
Usa condizioni I e II	SI	SI				
Coefficiente gamma M0	1.05	1.05				
Coefficiente gamma M1	1.05	1.05				
Coefficiente gamma M2	1.25	1.25				

Pilastrini acc.	1/7/..	2/8/..	3/9/..	4/10/..	5/11/..	6/12/..
Lunghezze libere						
Metodo di calcolo 2-2	Assegnato	Assegnato				
2-2 Beta assegnato	2.00	2.00				
2-2 Beta * L assegnato [cm]	0.0	0.0				
Metodo di calcolo 3-3	Assegnato	Assegnato				
3-3 Beta assegnato	2.00	2.00				
3-3 Beta * L assegnato [cm]	0.0	0.0				
1-1 Beta assegnato	1.00	1.00				
1-1 Beta * L assegnato [cm]	0.0	0.0				
Generalità						
Coefficiente gamma M0	1.05	1.05				
Coefficiente gamma M1	1.05	1.05				
Coefficiente gamma M2	1.25	1.25				
Effetti del 2 ordine	SI	SI				

Pilastri acc.	1/7/..	2/8/..	3/9/..	4/10/..	5/11/..	6/12/..
Momenti equivalenti	SI	SI				
Usa condizioni I e II	SI	SI				

Travi acc.	1/7/..	2/8/..	3/9/..	4/10/..	5/11/..	6/12/..
Lunghezze libere						
3-3 Beta * L automatico	SI	SI				
3-3 Beta assegnato	1.00	1.00				
3-3 Beta assegnato [cm]	0.0	0.0				
2-2 Beta * L automatico	SI	SI				
2-2 Beta assegnato	1.00	1.00				
2-2 Beta * L assegnato [cm]	0.0	0.0				
1-1 Beta * L automatico	SI	SI				
1-1 Beta assegnato	1.00	1.00				
1-1 Beta * L assegnato [cm]	0.0	0.0				
Generalità						
Coefficiente gamma M0	1.05	1.05				
Coefficiente gamma M1	1.05	1.05				
Coefficiente gamma M2	1.25	1.25				
Luce di taglio per GR [cm]	1.00	1.00				
Usa condizioni I e II	SI	SI				
Momenti equivalenti	SI	SI				

Pareti c.a.	1/7/..	2/8/..	3/9/..	4/10/..	5/11/..	6/12/..
Generalità						
Progetto armatura	Singolo elemento	Singolo elemento FONDAZIONE				
Armatura						
Inclinazione Av [gradi]	90.00	90.00				
Angolo Av-Ao [gradi]	90.00	90.00				
Minima tesa	0.20	0.20				
Massima tesa	4.00	4.00				
Maglia unica centrale	NO	NO				
Unico strato verticale	NO	NO				
Unico strato orizzontale	NO	NO				
Copriferro [cm]	2.00	3.00				
Maglia V						
diametro	10	16				
passo	25	20				
diametro aggiuntivi	12	16				
Maglia O						
diametro	10	12				
passo	25	20				
diametro aggiuntivi	12	12				
Stati limite ultimi						
Tensione fy [daN/cm2]	4500.00	4500.00				
Tipo acciaio	tipo C	tipo C				
Coefficiente gamma s	1.15	1.15				
Coefficiente gamma c	1.50	1.50				
Verifiche con N costante	SI	SI				
Tensioni ammissibili						
Tensione amm. cls [daN/cm2]	97.50	97.50				
Tensione amm. acciaio [daN/cm2]	2600.00	2600.00				
Rapporto omogeneizzazione N	15.00	15.00				
Massimo rapporto area compressa/tesa	1.00	1.00				
Parete estesa debolmente armata						
Fattore amplificazione taglio V	0.0	0.0				
Hcrit. par. 7.4.4.5.1 [cm]	0.0	0.0				
Hcrit. par. 7.4.6.1.4 [cm]	0.0	0.0				
Diagramma inviluppo taglio	NO	NO				
Vincolo lati	nessun lato	nessun lato				
Verifica come fascia	NO	NO				
Diametro di estremità	0	0				
Zona confinata						
Minima tesa	1.00	1.00				
Massima tesa	4.00	4.00				
Distanza barre [cm]	2.00	2.00				
Interferro	2	2				
Armatura inclinata						

Pareti c.a.	1/7/..	2/8/..	3/9/..	4/10/..	5/11/..	6/12/..
Area barre [cm2]	0.0	0.0				
Angolo orizzontale [gradi]	0.0	0.0				
Distanza di base [cm]	0.0	0.0				
Resistenza al fuoco						
3- intradosso	NO	NO				
3+ estradosso	NO	NO				
Tempo di esposizione R	15	15				

Gusci c.a.	1/7/..	2/8/..	3/9/..	4/10/..	5/11/..	6/12/..
Armatura						
Inclinazione Ax [gradi]	0.0	0.0				
Angolo Ax-Ay [gradi]	90.00	90.00				
Minima tesa	0.31	0.10				
Massima tesa	0.78	4.00				
Maglia unica centrale	NO	NO				
Copriferro [cm]	2.00	4.00				
Maglia x						
diametro	10	16				
passo	20	20				
diametro aggiuntivi	12	16				
Maglia y						
diametro	10	16				
passo	20	20				
diametro aggiuntivi	12	16				
Stati limite ultimi						
Tensione fy [daN/cm2]	4500.00	4500.00				
Tipo acciaio	tipo C	tipo C				
Coefficiente gamma s	1.15	1.15				
Coefficiente gamma c	1.50	1.50				
Verifiche con N costante	SI	SI				
Applica SLU da DIN	NO	NO				
Tensioni ammissibili						
Tensione amm. cls [daN/cm2]	97.50	97.50				
Tensione amm. acciaio [daN/cm2]	2600.00	2600.00				
Rapporto omogeneizzazione N	15.00	15.00				
Massimo rapporto area compressa/tesa	1.00	1.00				
Resistenza al fuoco						
3- intradosso	NO	NO				
3+ estradosso	NO	NO				
Tempo di esposizione R	15	15				

Pilastrì c.a.	1/7/..	2/8/..	3/9/..	4/10/..	5/11/..	6/12/..
Generalità						
Progetto armatura	Privilegia lati	Privilegia lati				
Progetta a filo	NO	NO				
Effetti del 2 ordine	SI	SI				
Beta per 2-2	1.00	1.00				
Beta per 3-3	1.00	1.00				
Armatura						
Massima tesa	4.00	4.00				
Minima tesa	1.00	1.00				
Stati limite ultimi						
Tensione fy [daN/cm2]	4500.00	4500.00				
Tensione fy staffe [daN/cm2]	4500.00	4500.00				
Tipo acciaio	tipo C	tipo C				
Coefficiente gamma s	1.15	1.15				
Coefficiente gamma c	1.50	1.50				
Verifiche con N costante	SI	SI				
Modello per il confinamento						
Relazione tensio-deformativa	Mander	Mander				
Incrudimento acciaio	5.000e-03	5.000e-03				
Fattore lambda	1.00	1.00				
epsilon max,s	4.000e-02	4.000e-02				
epsilon cu2	4.500e-03	4.500e-03				
epsilon c2	0.0	0.0				
epsilon cy	0.0	0.0				
Tensioni ammissibili						

Pilastri c.a.	1/7/..	2/8/..	3/9/..	4/10/..	5/11/..	6/12/..
Tensione amm. cls [daN/cm2]	97.50	97.50				
Tensione amm. acciaio [daN/cm2]	2600.00	2600.00				
Rapporto omogeneizzazione N	15.00	15.00				
Staffe						
Diametro staffe	0.0	0.0				
Passo minimo [cm]	5.00	5.00				
Passo massimo [cm]	25.00	20.00				
Passo raffittito [cm]	15.00	20.00				
Lunghezza zona raffittita [cm]	45.00	45.00				
Ctg(Teta) Max	2.50	2.50				
Luce di taglio per GR [cm]	1.00	1.00				
Massimizza gerarchia	SI	SI				

Solai e pannelli	1/7/..	2/8/..	3/9/..	4/10/..	5/11/..	6/12/..
Generalità						
Usa tensioni ammissibili	NO	NO				
Af inf: da traliccio	SI	SI				
Consenti armatura a taglio	NO	NO				
Incrementa armatura longitudinale per taglio	SI	SI				
Af inf: da $q \cdot L \cdot L /$	20.00	20.00				
Incremento fascia piena [cm]	5.00	5.00				
Armatura						
Minima tesa	0.15	0.15				
Massima tesa	3.00	3.00				
Minima compressa	0.0	0.0				
Af/h [cm]	7.000e-02	7.000e-02				
Stati limite ultimi						
Tensione fy [daN/cm2]	4500.00	4500.00				
Tipo acciaio	tipo C	tipo C				
Coefficiente gamma s	1.15	1.15				
Coefficiente gamma c	1.50	1.50				
Fattore di redistribuzione	0.0	0.0				
Tensioni ammissibili						
Tensione amm. cls [daN/cm2]	85.00	85.00				
Tensione amm. acciaio [daN/cm2]	2600.00	2600.00				
Rapporto omogeneizzazione N	15.00	15.00				
Massimo rapporto area compressa/tesa	1.00	1.00				
Verifica freccia						
Infinita	250.00	250.00				
Istantanea	500.00	500.00				
Fattore viscosità	3.00	3.00				
Usa J non fessurato	NO	NO				
Elementi non strutturali						
Tamponatura antiespulsione	NO	NO				
Tamponatura con armatura	NO	NO				
Fattore di struttura/comportamento	2.00	2.00				
Coefficiente gamma m	0.0	0.0				
Periodo Ta	0.0	0.0				
Altezza pannello	0.0	0.0				

MODELLAZIONE DELLE SEZIONI

LEGENDA TABELLA DATI SEZIONI

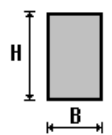
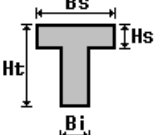
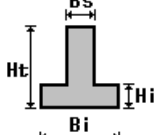
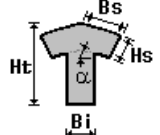
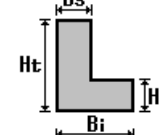
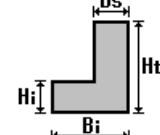
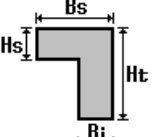
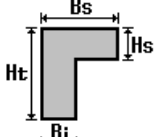
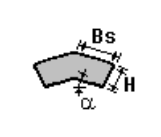
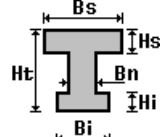
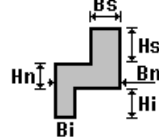
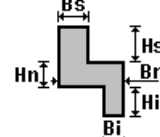
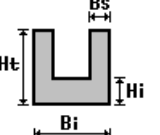
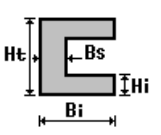
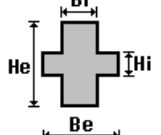
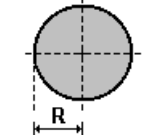
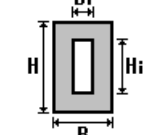
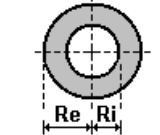
Il programma consente l'uso di sezioni diverse. Sono previsti i seguenti tipi di sezione:

1. sezione di tipo generico
2. profilati semplici
3. profilati accoppiati e speciali

Le sezioni utilizzate nella modellazione sono individuate da una sigla identificativa ed un codice numerico (gli elementi strutturali richiamano quest'ultimo nella propria descrizione). Per ogni sezione vengono riportati in tabella i seguenti dati:

Area	area della sezione
A V2	area della sezione/fattore di taglio (per il taglio in direzione 2)
A V3	area della sezione/fattore di taglio (per il taglio in direzione 3)
Jt	fattore torsionale di rigidezza
J2-2	momento d'inerzia della sezione riferito all'asse 2
J3-3	momento d'inerzia della sezione riferito all'asse 3
W2-2	modulo di resistenza della sezione riferito all'asse 2
W3-3	modulo di resistenza della sezione riferito all'asse 3
Wp2-2	modulo di resistenza plastico della sezione riferito all'asse 2
Wp3-3	modulo di resistenza plastico della sezione riferito all'asse 3

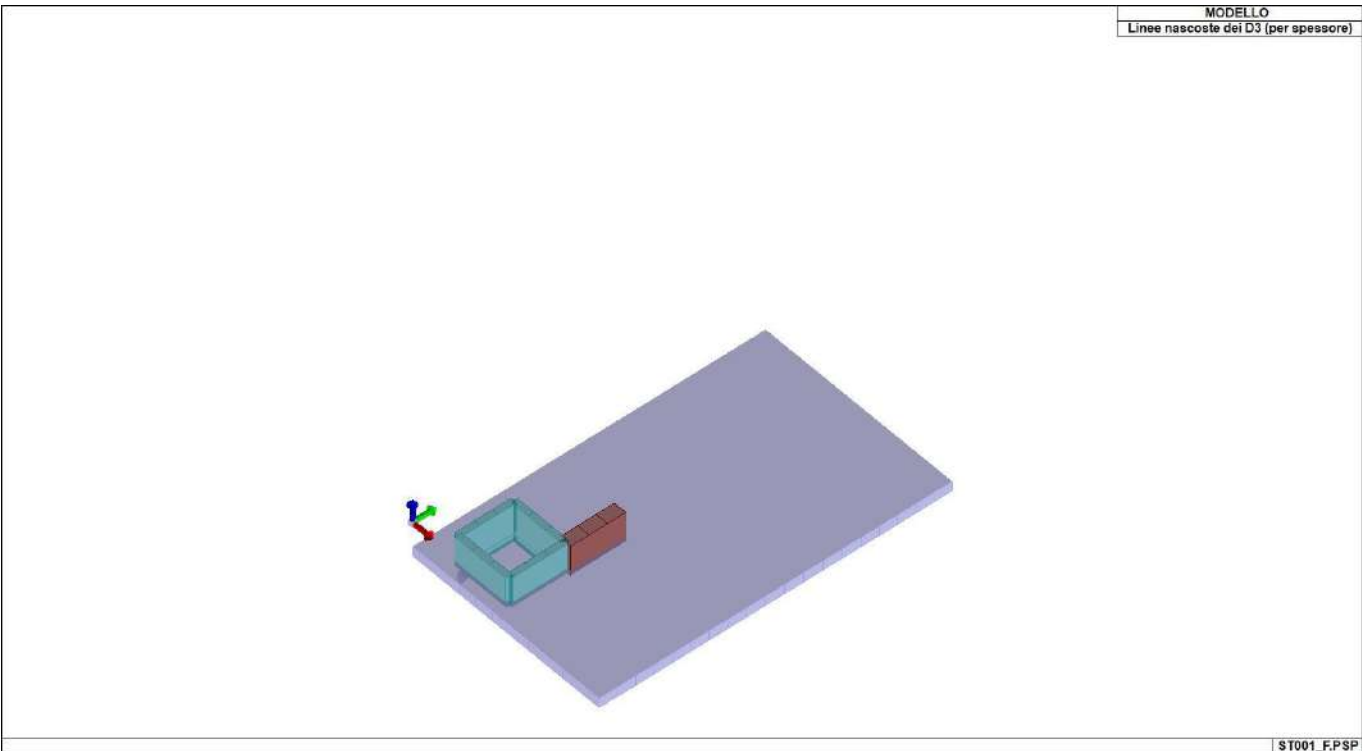
I dati sopra riportati vengono utilizzati per la determinazione dei carichi inerziali e per la definizione delle rigidezze degli elementi strutturali; qualora il valore di Area V2 (e/o Area V3) sia nullo la deformabilità per taglio V2 (e/o V3) è trascurata. La valutazione delle caratteristiche inerziali delle sezioni è condotta nel riferimento 2-3 dell'elemento.

					
rettangolare	a T	a T rovescia	a T di colmo	a L	a L specchiata
					
a L specchiata rovescia	a L rovescia	a L di colmo	a doppio T	a quattro specchiata	a quattro
					
a U	a C	a croce	circolare	rettangolare cava	circolare cava

Per quanto concerne i profilati semplici ed accoppiati l'asse 2 del riferimento coincide con l'asse x riportato nei più diffusi profilati.

Per quanto concerne le sezioni di tipo generico (tipo 1.):
i valori dimensionali con prefisso B sono riferiti all'asse 2
i valori dimensionali con prefisso H sono riferiti all'asse 3

Id	Tipo	Area	A V2	A V3	Jt	J 2-2	J 3-3	W 2-2	W 3-3	Wp 2-2	Wp 3-3
		cm2	cm2	cm2	cm4	cm4	cm4	cm3	cm3	cm3	cm3
1	IPE 140	16.40	0.0	0.0	2.40	45.00	541.00	12.30	77.30	19.20	88.30
2	Baggioli - Rettangolare: b=40 h=40	1600.00	1333.33	1333.33	3.599e+05	2.133e+05	2.133e+05	1.067e+04	1.067e+04	1.600e+04	1.600e+04
3	HEB 120	34.00	0.0	0.0	13.80	318.00	864.00	52.90	144.10	81.00	165.20
4	UNP 100	13.50	0.0	0.0	2.81	29.10	205.00	8.40	41.10	16.20	49.00
15	HEB 200	78.10	0.0	0.0	59.30	2003.00	5696.00	200.30	569.60	305.80	642.50
16	UNP 180	28.00	0.0	0.0	9.55	114.00	1354.00	22.40	150.00	42.90	179.00
17	HEA 140	31.40	0.0	0.0	8.10	389.00	1033.00	55.60	155.40	84.80	173.50
18	HEA 160	38.80	0.0	0.0	12.20	616.00	1673.00	76.90	220.10	117.60	245.10
21	UNP 140	20.40	0.0	0.0	5.68	62.50	605.00	14.70	86.40	28.30	103.00



13_MOD_SPESSORI_D3

MODELLAZIONE STRUTTURA: NODI

LEGENDA TABELLA DATI NODI

Il programma utilizza per la modellazione nodi strutturali.

Ogni nodo è individuato dalle coordinate cartesiane nel sistema di riferimento globale (X Y Z).

Ad ogni nodo è eventualmente associato un codice di vincolamento rigido, un codice di fondazione speciale, ed un set di sei molle (tre per le traslazioni, tre per le rotazioni). Le tabelle sottoriportate riflettono le succitate possibilità. In particolare per ogni nodo viene indicato in tabella:

Nodo	numero del nodo.
X	valore della coordinata X
Y	valore della coordinata Y
Z	valore della coordinata Z

Per i nodi ai quali sia associato un codice di vincolamento rigido, un codice di fondazione speciale o un set di molle viene indicato in tabella:

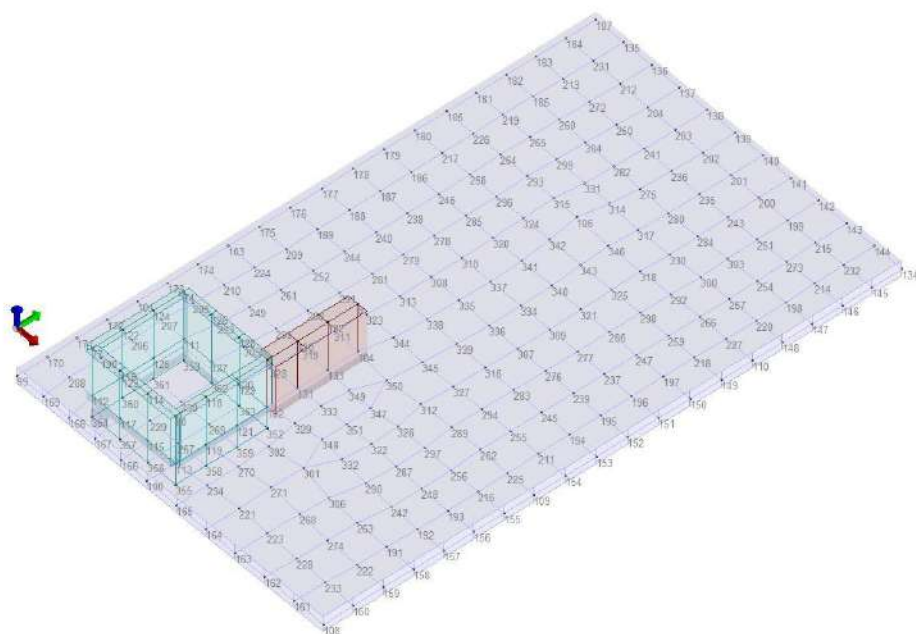
Nodo	numero del nodo.
X	valore della coordinata X
Y	valore della coordinata Y
Z	valore della coordinata Z
Note	eventuale codice di vincolo (es. v=110010 sei valori relativi ai sei gradi di libertà previsti per il nodo TxTyTzRxRyRz, il valore 1 indica che lo spostamento o rotazione relativo è impedito, il valore 0 indica che lo spostamento o rotazione relativo è libero).
Note	(FS = 1, 2,...) eventuale codice del tipo di fondazione speciale (1, 2,... fanno riferimento alle tipologie: plinto, palo, plinto su pali,...) che è collegato al nodo. (ISO = "id SIGLA") indice e sigla identificativa dell' eventuale isolatore sismico assegnato al nodo
Rig. TX	valore della rigidezza dei vincoli elastici eventualmente applicati al nodo, nello specifico TX (idem per TY, TZ, RX, RY, RZ).

Per strutture sismicamente isolate viene inoltre inserita la tabella delle caratteristiche per gli isolatori utilizzati; le caratteristiche sono indicate in conformità al cap. 7.10 del D.M. 17/01/18

TABELLA DATI NODI

Nodo	X	Y	Z	Nodo	X	Y	Z	Nodo	X	Y	Z
	cm	cm	cm		cm	cm	cm		cm	cm	cm
1	0.0	0.0	0.0	5	280.0	225.0	0.0	8	280.0	395.0	0.0
74	100.0	225.0	0.0	77	100.0	53.0	0.0	80	280.0	53.0	0.0
99	0.0	0.0	-95.0	100	280.0	0.0	-95.0	101	0.0	225.0	-95.0
102	280.0	225.0	-95.0	103	0.0	395.0	-95.0	104	280.0	395.0	-95.0
105	0.0	805.0	-95.0	106	280.0	805.0	-95.0	107	0.0	1085.0	-95.0
108	660.0	0.0	-95.0	109	660.0	395.0	-95.0	110	660.0	805.0	-95.0
111	100.0	225.0	-95.0	112	100.0	53.0	-95.0	113	280.0	53.0	-95.0
114	220.0	53.0	0.0	115	220.0	53.0	-95.0	116	160.0	53.0	0.0
117	160.0	53.0	-95.0	118	280.0	110.3	0.0	119	280.0	110.3	-95.0
120	280.0	167.7	0.0	121	280.0	167.7	-95.0	122	100.0	110.3	0.0
123	100.0	110.3	-95.0	124	100.0	167.7	0.0	125	100.0	167.7	-95.0
126	160.0	225.0	0.0	127	160.0	225.0	-95.0	128	220.0	225.0	0.0
129	220.0	225.0	-95.0	130	280.0	281.7	0.0	131	280.0	281.7	-95.0
132	280.0	338.3	0.0	133	280.0	338.3	-95.0	134	660.0	1085.0	-95.0
135	60.0	1085.0	-95.0	136	120.0	1085.0	-95.0	137	180.0	1085.0	-95.0

138	240.0	1085.0	-95.0	139	300.0	1085.0	-95.0	140	360.0	1085.0	-95.0
141	420.0	1085.0	-95.0	142	480.0	1085.0	-95.0	143	540.0	1085.0	-95.0
144	600.0	1085.0	-95.0	145	660.0	1029.0	-95.0	146	660.0	973.0	-95.0
147	660.0	917.0	-95.0	148	660.0	861.0	-95.0	149	660.0	746.4	-95.0
150	660.0	687.9	-95.0	151	660.0	629.3	-95.0	152	660.0	570.7	-95.0
153	660.0	512.1	-95.0	154	660.0	453.6	-95.0	155	660.0	338.6	-95.0
156	660.0	282.1	-95.0	157	660.0	225.7	-95.0	158	660.0	169.3	-95.0
159	660.0	112.9	-95.0	160	660.0	56.4	-95.0	161	596.7	0.0	-95.0
162	533.3	0.0	-95.0	163	470.0	0.0	-95.0	164	406.7	0.0	-95.0
165	343.3	0.0	-95.0	166	224.0	0.0	-95.0	167	168.0	0.0	-95.0
168	112.0	0.0	-95.0	169	56.0	0.0	-95.0	170	0.0	56.2	-95.0
171	0.0	112.5	-95.0	172	0.0	168.8	-95.0	173	0.0	281.7	-95.0
174	0.0	338.3	-95.0	175	0.0	453.6	-95.0	176	0.0	512.1	-95.0
177	0.0	570.7	-95.0	178	0.0	629.3	-95.0	179	0.0	687.9	-95.0
180	0.0	746.4	-95.0	181	0.0	861.0	-95.0	182	0.0	917.0	-95.0
183	0.0	973.0	-95.0	184	0.0	1029.0	-95.0	185	57.2	916.4	-95.0
186	58.6	687.9	-95.0	187	58.6	629.3	-95.0	188	58.6	570.7	-95.0
189	58.6	512.1	-95.0	190	51.3	111.3	-95.0	191	601.3	169.9	-95.0
192	603.6	225.7	-95.0	193	603.6	282.1	-95.0	194	601.4	512.1	-95.0
195	601.4	570.7	-95.0	196	601.4	629.3	-95.0	197	601.4	687.9	-95.0
198	602.8	916.3	-95.0	199	480.4	1025.8	-95.0	200	420.1	1025.5	-95.0
201	360.0	1025.0	-95.0	202	300.0	1025.0	-95.0	203	240.0	1025.0	-95.0
204	180.0	1025.0	-95.0	205	53.9	282.9	-95.0	206	52.0	169.1	-95.0
207	49.9	227.2	-95.0	208	50.7	52.9	-95.0	209	58.3	453.6	-95.0
210	55.6	339.2	-95.0	211	601.7	453.6	-95.0	212	119.1	1026.7	-95.0
213	58.4	972.1	-95.0	214	601.6	972.0	-95.0	215	540.8	1026.6	-95.0
216	603.3	338.6	-95.0	217	58.2	746.4	-95.0	218	601.8	746.4	-95.0
219	56.3	861.0	-95.0	220	603.7	861.0	-95.0	221	406.7	63.0	-95.0
222	601.9	114.4	-95.0	223	470.8	59.8	-95.0	224	57.6	395.0	-95.0
225	602.5	395.0	-95.0	226	57.3	804.3	-95.0	227	602.7	805.0	-95.0
228	535.8	58.6	-95.0	229	160.0	110.3	-137.0	230	160.0	167.7	-137.0
231	59.2	1028.1	-95.0	232	600.9	1028.0	-95.0	233	598.7	57.4	-95.0
234	343.5	58.6	-95.0	235	359.7	965.9	-95.0	236	299.2	966.7	-95.0
237	542.8	629.3	-95.0	238	117.2	629.3	-95.0	239	542.9	570.7	-95.0
240	117.1	570.7	-95.0	241	239.0	967.2	-95.0	242	545.1	226.6	-95.0
243	420.4	966.7	-95.0	244	117.0	512.0	-95.0	245	542.4	511.8	-95.0
246	117.2	688.0	-95.0	247	542.8	688.0	-95.0	248	546.1	283.0	-95.0
249	112.4	338.2	-95.0	250	178.1	968.5	-95.0	251	481.5	968.5	-95.0
252	116.5	453.1	-95.0	253	108.8	281.6	-95.0	254	543.9	914.9	-95.0
255	542.3	453.6	-95.0	256	545.9	338.8	-95.0	257	545.5	860.4	-95.0
258	116.6	747.1	-95.0	259	543.4	747.1	-95.0	260	115.7	915.1	-95.0
261	115.2	394.3	-95.0	262	542.1	397.0	-95.0	263	538.1	169.5	-95.0
264	114.9	806.0	-95.0	265	114.8	860.5	-95.0	266	545.2	806.0	-95.0
267	220.0	110.3	-137.0	268	471.5	119.6	-95.0	269	220.0	167.7	-137.0
270	342.6	117.2	-95.0	271	404.9	124.3	-95.0	272	117.7	970.3	-95.0
273	542.2	970.4	-95.0	274	537.0	115.6	-95.0	275	297.0	910.1	-95.0
276	483.6	570.2	-95.0	277	484.3	629.2	-95.0	278	175.7	629.2	-95.0
279	175.4	570.6	-95.0	280	359.5	907.8	-95.0	281	175.5	512.2	-95.0
282	237.3	911.8	-95.0	283	483.0	511.4	-95.0	284	421.3	909.6	-95.0
285	175.8	688.3	-95.0	286	483.3	689.2	-95.0	287	488.7	284.7	-95.0
288	171.8	394.9	-95.0	289	481.7	395.6	-95.0	290	486.2	230.0	-95.0
291	174.5	452.2	-95.0	292	484.8	803.9	-95.0	293	172.4	805.7	-95.0
294	481.9	452.9	-95.0	295	169.5	337.3	-95.0	296	174.2	747.0	-95.0
297	487.3	339.5	-95.0	298	483.7	747.1	-95.0	299	174.6	859.4	-95.0
300	486.0	858.4	-95.0	301	405.4	184.3	-95.0	302	340.6	174.8	-95.0
303	483.2	912.5	-95.0	304	175.8	912.3	-95.0	305	166.0	280.2	-95.0
306	474.0	172.2	-95.0	307	424.5	569.9	-95.0	308	235.3	570.9	-95.0
309	424.2	629.3	-95.0	310	235.8	629.3	-95.0	311	226.8	396.6	-95.0
312	418.4	392.9	-95.0	313	235.3	513.3	-95.0	314	290.5	857.4	-95.0
315	229.6	805.0	-95.0	316	422.6	510.4	-95.0	317	357.3	853.5	-95.0
318	421.3	802.5	-95.0	319	225.0	337.8	-95.0	320	234.4	688.8	-95.0
321	423.2	688.6	-95.0	322	431.4	288.1	-95.0	323	231.4	453.7	-95.0
324	232.2	747.0	-95.0	325	422.0	747.1	-95.0	326	429.6	339.0	-95.0
327	421.1	450.8	-95.0	328	223.5	280.1	-95.0	329	330.6	233.0	-95.0
330	423.0	855.6	-95.0	331	236.3	858.2	-95.0	332	427.5	236.6	-95.0
333	328.6	284.3	-95.0	334	362.4	629.1	-95.0	335	296.4	570.5	-95.0
336	362.3	570.3	-95.0	337	298.0	628.7	-95.0	338	296.0	511.2	-95.0
339	360.1	510.4	-95.0	340	361.4	688.5	-95.0	341	295.4	688.8	-95.0
342	289.5	746.9	-95.0	343	356.1	746.8	-95.0	344	291.4	451.8	-95.0
345	356.1	449.6	-95.0	346	352.8	801.5	-95.0	347	377.0	334.1	-95.0
348	379.7	240.9	-95.0	349	330.7	334.5	-95.0	350	349.7	387.5	-95.0
351	379.8	287.2	-95.0	352	280.0	225.0	-137.0	353	100.0	225.0	-137.0
354	100.0	53.0	-137.0	355	280.0	53.0	-137.0	356	220.0	53.0	-137.0
357	160.0	53.0	-137.0	358	280.0	110.3	-137.0	359	280.0	167.7	-137.0
360	100.0	110.3	-137.0	361	100.0	167.7	-137.0	362	160.0	225.0	-137.0
363	220.0	225.0	-137.0								



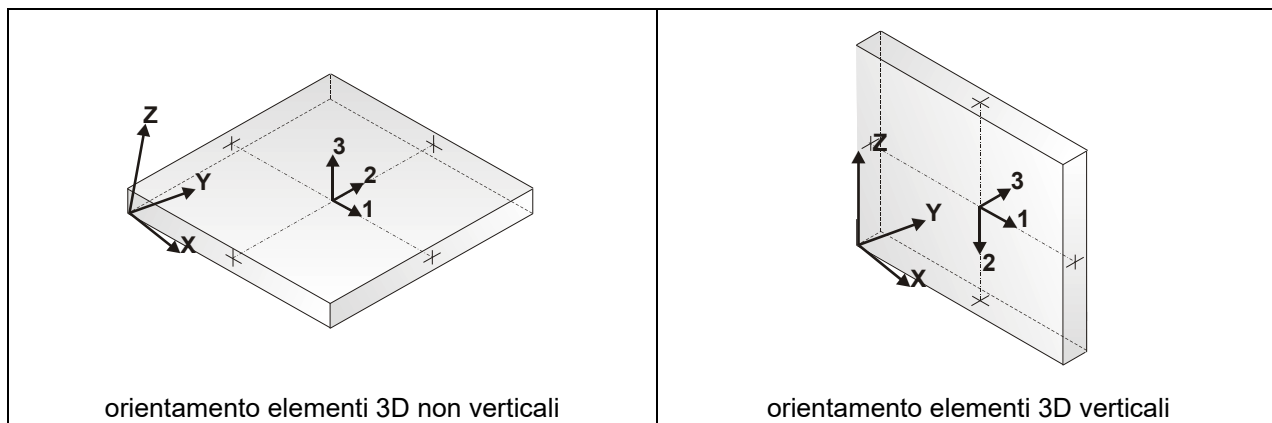
MODELLAZIONE STRUTTURA: ELEMENTI SHELL

LEGENDA TABELLA DATI SHELL

Il programma utilizza per la modellazione elementi a tre o quattro nodi denominati in generale shell.

Ogni elemento shell è individuato dai nodi I, J, K, L (L=I per gli elementi a tre nodi).

Ogni elemento è caratterizzato da un insieme di proprietà riportate in tabella che ne completano la modellazione.



In particolare per ogni elemento viene indicato in tabella:

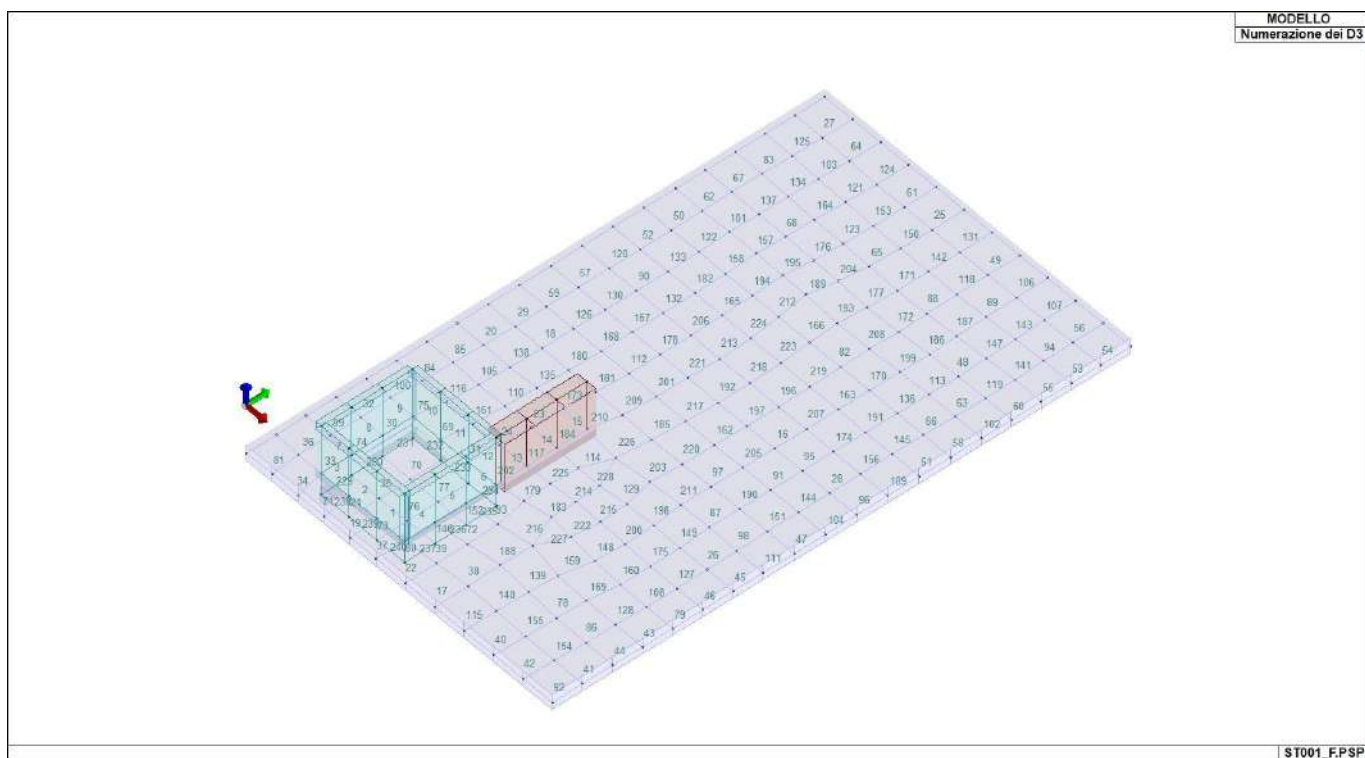
Elem.	numero dell'elemento
Note	codice di comportamento: <i>Guscio</i> (elemento guscio in elevazione non verticale) <i>Guscio fond.</i> (elemento guscio su suolo elastico) <i>Setto</i> (elemento guscio in elevazione verticale) <i>Membrana</i> (elemento guscio con comportamento membranale)
Nodo I (J, K, L)	numero del nodo I (J, K, L)
Mat.	codice del materiale assegnato all'elemento
Spessore	spessore dell'elemento (costante)
Wink V	costante di sottofondo (coefficiente di Winkler) per la modellazione del suolo elastico verticale
Wink O	costante di sottofondo (coefficiente di Winkler) per la modellazione del suolo elastico orizzontale

Elem.	Note	Nodo I	Nodo J	Nodo K	Nodo L	Mat.	Crit.	Spessore cm	Svincolo	Wink V daN/cm3	Wink O daN/cm3
1	Setto	114	80	113	115	1	2	20.0			
2	Setto	116	114	115	117	1	2	20.0			
3	Setto	77	116	117	112	1	2	20.0			
4	Setto	113	119	118	80	1	2	20.0			
5	Setto	119	121	120	118	1	2	20.0			
6	Setto	121	102	5	120	1	2	20.0			
7	Setto	112	123	122	77	1	2	20.0			
8	Setto	123	125	124	122	1	2	20.0			
9	Setto	125	111	74	124	1	2	20.0			
10	Setto	74	126	127	111	1	2	20.0			
11	Setto	126	128	129	127	1	2	20.0			
12	Setto	128	5	102	129	1	2	20.0			
13	Setto	102	131	130	5	1	2	40.0			
14	Setto	131	133	132	130	1	2	40.0			
15	Setto	133	104	8	132	1	2	40.0			
16	Guscio fond.	307	276	277	309	1	2	30.0		3.00	1.50
17	Guscio fond.	165	164	221	234	1	2	30.0		3.00	1.50
18	Guscio fond.	209	252	244	189	1	2	30.0		3.00	1.50
19	Guscio fond.	167	166	115	117	1	2	30.0		3.00	1.50
20	Guscio fond.	103	224	209	175	1	2	30.0		3.00	1.50
21	Guscio fond.	354	357	229	360	1	2	30.0		3.00	1.50
22	Guscio fond.	100	165	234	113	1	2	30.0		3.00	1.50
23	Guscio fond.	295	319	311	288	1	2	30.0		3.00	1.50
24	Guscio fond.	305	328	319	295	1	2	30.0		3.00	1.50
25	Guscio fond.	203	202	139	138	1	2	30.0		3.00	1.50
26	Guscio fond.	256	216	225	262	1	2	30.0		3.00	1.50
27	Guscio fond.	184	231	135	107	1	2	30.0		3.00	1.50
28	Guscio fond.	239	195	196	237	1	2	30.0		3.00	1.50
29	Guscio fond.	175	209	189	176	1	2	30.0		3.00	1.50
30	Guscio fond.	206	125	111	207	1	2	30.0		3.00	1.50
31	Guscio fond.	127	129	328	305	1	2	30.0		3.00	1.50
32	Guscio fond.	172	206	207	101	1	2	30.0		3.00	1.50
33	Guscio fond.	208	112	123	190	1	2	30.0		3.00	1.50
34	Guscio fond.	169	168	112	208	1	2	30.0		3.00	1.50
35	Guscio fond.	360	229	230	361	1	2	30.0		3.00	1.50
36	Guscio fond.	170	208	190	171	1	2	30.0		3.00	1.50
37	Guscio fond.	166	100	113	115	1	2	30.0		3.00	1.50
38	Guscio fond.	234	221	271	270	1	2	30.0		3.00	1.50
39	Guscio fond.	113	234	270	119	1	2	30.0		3.00	1.50
40	Guscio fond.	163	162	228	223	1	2	30.0		3.00	1.50
41	Guscio fond.	233	160	159	222	1	2	30.0		3.00	1.50
42	Guscio fond.	162	161	233	228	1	2	30.0		3.00	1.50
43	Guscio fond.	191	158	157	192	1	2	30.0		3.00	1.50
44	Guscio fond.	222	159	158	191	1	2	30.0		3.00	1.50
45	Guscio fond.	216	155	109	225	1	2	30.0		3.00	1.50
46	Guscio fond.	193	156	155	216	1	2	30.0		3.00	1.50
47	Guscio fond.	211	154	153	194	1	2	30.0		3.00	1.50
48	Guscio fond.	300	257	254	303	1	2	30.0		3.00	1.50
49	Guscio fond.	201	200	141	140	1	2	30.0		3.00	1.50
50	Guscio fond.	180	217	226	105	1	2	30.0		3.00	1.50
51	Guscio fond.	197	150	149	218	1	2	30.0		3.00	1.50
52	Guscio fond.	179	186	217	180	1	2	30.0		3.00	1.50
53	Guscio fond.	214	146	145	232	1	2	30.0		3.00	1.50
54	Guscio fond.	232	145	134	144	1	2	30.0		3.00	1.50
55	Guscio fond.	198	147	146	214	1	2	30.0		3.00	1.50
56	Guscio fond.	215	232	144	143	1	2	30.0		3.00	1.50
57	Guscio fond.	177	188	187	178	1	2	30.0		3.00	1.50
58	Guscio fond.	218	149	110	227	1	2	30.0		3.00	1.50
59	Guscio fond.	176	189	188	177	1	2	30.0		3.00	1.50
60	Guscio fond.	220	148	147	198	1	2	30.0		3.00	1.50
61	Guscio fond.	204	203	138	137	1	2	30.0		3.00	1.50
62	Guscio fond.	105	226	219	181	1	2	30.0		3.00	1.50
63	Guscio fond.	266	227	220	257	1	2	30.0		3.00	1.50
64	Guscio fond.	231	212	136	135	1	2	30.0		3.00	1.50
65	Guscio fond.	282	275	236	241	1	2	30.0		3.00	1.50
66	Guscio fond.	259	218	227	266	1	2	30.0		3.00	1.50
67	Guscio fond.	181	219	185	182	1	2	30.0		3.00	1.50
68	Guscio fond.	265	299	304	260	1	2	30.0		3.00	1.50
69	Guscio fond.	111	127	305	253	1	2	30.0		3.00	1.50
70	Guscio fond.	361	230	362	353	1	2	30.0		3.00	1.50
71	Guscio fond.	168	167	117	112	1	2	30.0		3.00	1.50
72	Guscio fond.	119	270	302	121	1	2	30.0		3.00	1.50
73	Guscio fond.	357	356	267	229	1	2	30.0		3.00	1.50

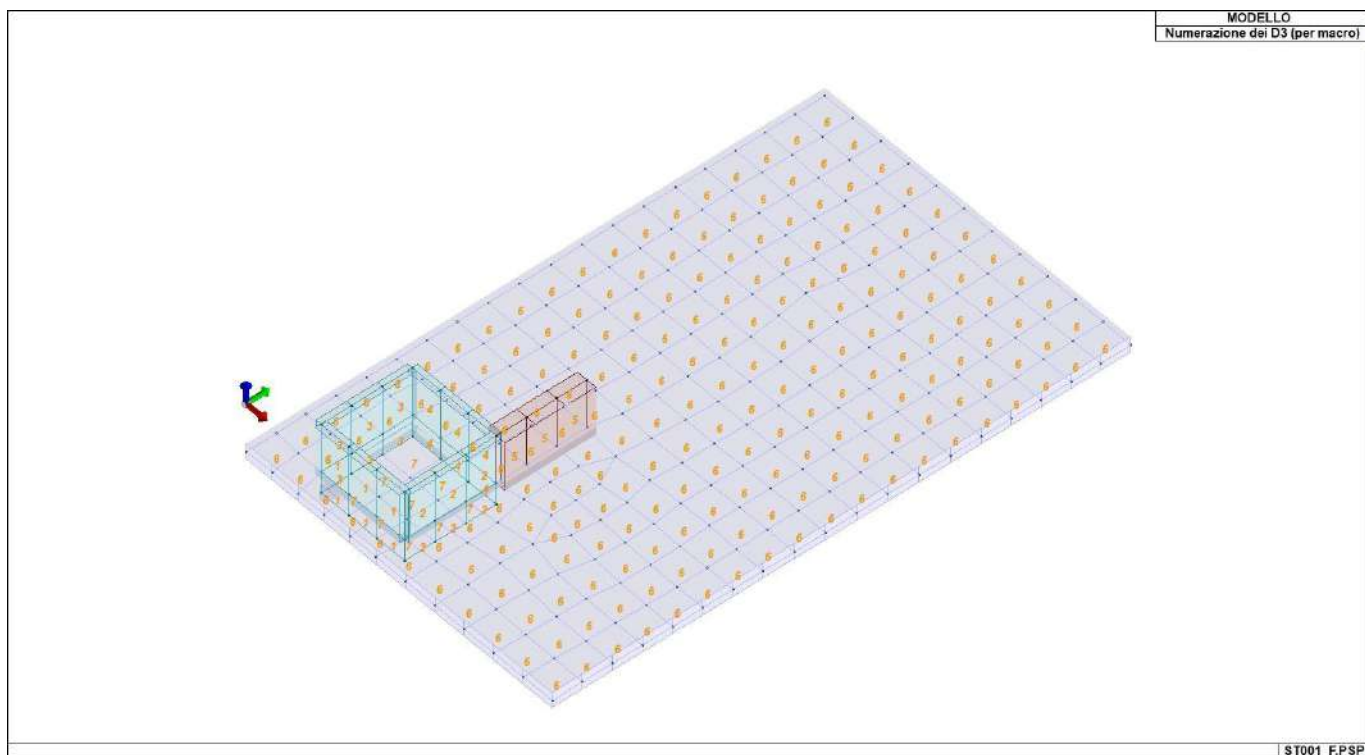
74Guscio fond.	190	123	125	206	1	2	30.0	3.00	1.50
75Guscio fond.	207	111	253	205	1	2	30.0	3.00	1.50
76Guscio fond.	229	267	269	230	1	2	30.0	3.00	1.50
77Guscio fond.	230	269	363	362	1	2	30.0	3.00	1.50
78Guscio fond.	268	274	263	306	1	2	30.0	3.00	1.50
79Guscio fond.	192	157	156	193	1	2	30.0	3.00	1.50
80Guscio fond.	356	355	358	267	1	2	30.0	3.00	1.50
81Guscio fond.	99	169	208	170	1	2	30.0	3.00	1.50
82Guscio fond.	343	325	318	346	1	2	30.0	3.00	1.50
83Guscio fond.	182	185	213	183	1	2	30.0	3.00	1.50
84Guscio fond.	173	205	210	174	1	2	30.0	3.00	1.50
85Guscio fond.	174	210	224	103	1	2	30.0	3.00	1.50
86Guscio fond.	274	222	191	263	1	2	30.0	3.00	1.50
87Guscio fond.	289	262	255	294	1	2	30.0	3.00	1.50
88Guscio fond.	280	284	243	235	1	2	30.0	3.00	1.50
89Guscio fond.	243	251	199	200	1	2	30.0	3.00	1.50
90Guscio fond.	187	238	246	186	1	2	30.0	3.00	1.50
91Guscio fond.	283	245	239	276	1	2	30.0	3.00	1.50
92Guscio fond.	161	108	160	233	1	2	30.0	3.00	1.50
93Guscio fond.	121	302	329	102	1	2	30.0	3.00	1.50
94Guscio fond.	273	214	232	215	1	2	30.0	3.00	1.50
95Guscio fond.	276	239	237	277	1	2	30.0	3.00	1.50
96Guscio fond.	195	152	151	196	1	2	30.0	3.00	1.50
97Guscio fond.	327	294	283	316	1	2	30.0	3.00	1.50
98Guscio fond.	262	225	211	255	1	2	30.0	3.00	1.50
99Guscio fond.	171	190	206	172	1	2	30.0	3.00	1.50
100Guscio fond.	101	207	205	173	1	2	30.0	3.00	1.50
101Guscio fond.	226	264	265	219	1	2	30.0	3.00	1.50
102Guscio fond.	227	110	148	220	1	2	30.0	3.00	1.50
103Guscio fond.	213	272	212	231	1	2	30.0	3.00	1.50
104Guscio fond.	194	153	152	195	1	2	30.0	3.00	1.50
105Guscio fond.	210	249	261	224	1	2	30.0	3.00	1.50
106Guscio fond.	200	199	142	141	1	2	30.0	3.00	1.50
107Guscio fond.	199	215	143	142	1	2	30.0	3.00	1.50
108Guscio fond.	242	192	193	248	1	2	30.0	3.00	1.50
109Guscio fond.	196	151	150	197	1	2	30.0	3.00	1.50
110Guscio fond.	249	295	288	261	1	2	30.0	3.00	1.50
111Guscio fond.	225	109	154	211	1	2	30.0	3.00	1.50
112Guscio fond.	281	313	308	279	1	2	30.0	3.00	1.50
113Guscio fond.	292	266	257	300	1	2	30.0	3.00	1.50
114Guscio fond.	133	349	350	104	1	2	30.0	3.00	1.50
115Guscio fond.	164	163	223	221	1	2	30.0	3.00	1.50
116Guscio fond.	205	253	249	210	1	2	30.0	3.00	1.50
117Guscio fond.	328	131	133	319	1	2	30.0	3.00	1.50
118Guscio fond.	235	243	200	201	1	2	30.0	3.00	1.50
119Guscio fond.	257	220	198	254	1	2	30.0	3.00	1.50
120Guscio fond.	178	187	186	179	1	2	30.0	3.00	1.50
121Guscio fond.	272	250	204	212	1	2	30.0	3.00	1.50
122Guscio fond.	217	258	264	226	1	2	30.0	3.00	1.50
123Guscio fond.	304	282	241	250	1	2	30.0	3.00	1.50
124Guscio fond.	212	204	137	136	1	2	30.0	3.00	1.50
125Guscio fond.	183	213	231	184	1	2	30.0	3.00	1.50
126Guscio fond.	189	244	240	188	1	2	30.0	3.00	1.50
127Guscio fond.	248	193	216	256	1	2	30.0	3.00	1.50
128Guscio fond.	263	191	192	242	1	2	30.0	3.00	1.50
129Guscio fond.	347	326	312	350	1	2	30.0	3.00	1.50
130Guscio fond.	188	240	238	187	1	2	30.0	3.00	1.50
131Guscio fond.	202	201	140	139	1	2	30.0	3.00	1.50
132Guscio fond.	238	278	285	246	1	2	30.0	3.00	1.50
133Guscio fond.	186	246	258	217	1	2	30.0	3.00	1.50
134Guscio fond.	185	260	272	213	1	2	30.0	3.00	1.50
135Guscio fond.	261	288	291	252	1	2	30.0	3.00	1.50
136Guscio fond.	298	259	266	292	1	2	30.0	3.00	1.50
137Guscio fond.	219	265	260	185	1	2	30.0	3.00	1.50
138Guscio fond.	224	261	252	209	1	2	30.0	3.00	1.50
139Guscio fond.	271	268	306	301	1	2	30.0	3.00	1.50
140Guscio fond.	221	223	268	271	1	2	30.0	3.00	1.50
141Guscio fond.	254	198	214	273	1	2	30.0	3.00	1.50
142Guscio fond.	236	235	201	202	1	2	30.0	3.00	1.50
143Guscio fond.	251	273	215	199	1	2	30.0	3.00	1.50
144Guscio fond.	245	194	195	239	1	2	30.0	3.00	1.50
145Guscio fond.	247	197	218	259	1	2	30.0	3.00	1.50
146Guscio fond.	267	358	359	269	1	2	30.0	3.00	1.50
147Guscio fond.	303	254	273	251	1	2	30.0	3.00	1.50
148Guscio fond.	332	290	287	322	1	2	30.0	3.00	1.50
149Guscio fond.	297	256	262	289	1	2	30.0	3.00	1.50
150Guscio fond.	241	236	202	203	1	2	30.0	3.00	1.50

151Guscio fond.	255	211	194	245	1	2	30.0	3.00	1.50
152Guscio fond.	269	359	352	363	1	2	30.0	3.00	1.50
153Guscio fond.	250	241	203	204	1	2	30.0	3.00	1.50
154Guscio fond.	228	233	222	274	1	2	30.0	3.00	1.50
155Guscio fond.	223	228	274	268	1	2	30.0	3.00	1.50
156Guscio fond.	237	196	197	247	1	2	30.0	3.00	1.50
157Guscio fond.	264	293	299	265	1	2	30.0	3.00	1.50
158Guscio fond.	258	296	293	264	1	2	30.0	3.00	1.50
159Guscio fond.	301	306	290	332	1	2	30.0	3.00	1.50
160Guscio fond.	290	242	248	287	1	2	30.0	3.00	1.50
161Guscio fond.	253	305	295	249	1	2	30.0	3.00	1.50
162Guscio fond.	339	316	307	336	1	2	30.0	3.00	1.50
163Guscio fond.	321	286	298	325	1	2	30.0	3.00	1.50
164Guscio fond.	260	304	250	272	1	2	30.0	3.00	1.50
165Guscio fond.	285	320	324	296	1	2	30.0	3.00	1.50
166Guscio fond.	342	343	346	106	1	2	30.0	3.00	1.50
167Guscio fond.	240	279	278	238	1	2	30.0	3.00	1.50
168Guscio fond.	244	281	279	240	1	2	30.0	3.00	1.50
169Guscio fond.	306	263	242	290	1	2	30.0	3.00	1.50
170Guscio fond.	325	298	292	318	1	2	30.0	3.00	1.50
171Guscio fond.	275	280	235	236	1	2	30.0	3.00	1.50
172Guscio fond.	317	330	284	280	1	2	30.0	3.00	1.50
173Guscio fond.	288	311	323	291	1	2	30.0	3.00	1.50
174Guscio fond.	277	237	247	286	1	2	30.0	3.00	1.50
175Guscio fond.	287	248	256	297	1	2	30.0	3.00	1.50
176Guscio fond.	299	331	282	304	1	2	30.0	3.00	1.50
177Guscio fond.	314	317	280	275	1	2	30.0	3.00	1.50
178Guscio fond.	279	308	310	278	1	2	30.0	3.00	1.50
179Guscio fond.	102	329	333	131	1	2	30.0	3.00	1.50
180Guscio fond.	252	291	281	244	1	2	30.0	3.00	1.50
181Guscio fond.	291	323	313	281	1	2	30.0	3.00	1.50
182Guscio fond.	246	285	296	258	1	2	30.0	3.00	1.50
183Guscio fond.	329	348	351	333	1	2	30.0	3.00	1.50
184Guscio fond.	319	133	104	311	1	2	30.0	3.00	1.50
185Guscio fond.	344	345	339	338	1	2	30.0	3.00	1.50
186Guscio fond.	330	300	303	284	1	2	30.0	3.00	1.50
187Guscio fond.	284	303	251	243	1	2	30.0	3.00	1.50
188Guscio fond.	270	271	301	302	1	2	30.0	3.00	1.50
189Guscio fond.	315	106	314	331	1	2	30.0	3.00	1.50
190Guscio fond.	294	255	245	283	1	2	30.0	3.00	1.50
191Guscio fond.	286	247	259	298	1	2	30.0	3.00	1.50
192Guscio fond.	335	336	334	337	1	2	30.0	3.00	1.50
193Guscio fond.	106	346	317	314	1	2	30.0	3.00	1.50
194Guscio fond.	296	324	315	293	1	2	30.0	3.00	1.50
195Guscio fond.	293	315	331	299	1	2	30.0	3.00	1.50
196Guscio fond.	334	309	321	340	1	2	30.0	3.00	1.50
197Guscio fond.	336	307	309	334	1	2	30.0	3.00	1.50
198Guscio fond.	326	297	289	312	1	2	30.0	3.00	1.50
199Guscio fond.	318	292	300	330	1	2	30.0	3.00	1.50
200Guscio fond.	322	287	297	326	1	2	30.0	3.00	1.50
201Guscio fond.	313	338	335	308	1	2	30.0	3.00	1.50
202Guscio fond.	129	102	131	328	1	2	30.0	3.00	1.50
203Guscio fond.	350	312	327	345	1	2	30.0	3.00	1.50
204Guscio fond.	331	314	275	282	1	2	30.0	3.00	1.50
205Guscio fond.	316	283	276	307	1	2	30.0	3.00	1.50
206Guscio fond.	278	310	320	285	1	2	30.0	3.00	1.50
207Guscio fond.	309	277	286	321	1	2	30.0	3.00	1.50
208Guscio fond.	346	318	330	317	1	2	30.0	3.00	1.50
209Guscio fond.	323	344	338	313	1	2	30.0	3.00	1.50
210Guscio fond.	311	104	344	323	1	2	30.0	3.00	1.50
211Guscio fond.	312	289	294	327	1	2	30.0	3.00	1.50
212Guscio fond.	324	342	106	315	1	2	30.0	3.00	1.50
213Guscio fond.	310	337	341	320	1	2	30.0	3.00	1.50
214Guscio fond.	333	351	347	349	1	2	30.0	3.00	1.50
215Guscio fond.	351	322	326	347	1	2	30.0	3.00	1.50
216Guscio fond.	302	301	348	329	1	2	30.0	3.00	1.50
217Guscio fond.	338	339	336	335	1	2	30.0	3.00	1.50
218Guscio fond.	337	334	340	341	1	2	30.0	3.00	1.50
219Guscio fond.	340	321	325	343	1	2	30.0	3.00	1.50
220Guscio fond.	345	327	316	339	1	2	30.0	3.00	1.50
221Guscio fond.	308	335	337	310	1	2	30.0	3.00	1.50
222Guscio fond.	348	332	322	351	1	2	30.0	3.00	1.50
223Guscio fond.	341	340	343	342	1	2	30.0	3.00	1.50
224Guscio fond.	320	341	342	324	1	2	30.0	3.00	1.50
225Guscio fond.	131	333	349	133	1	2	30.0	3.00	1.50
226Guscio fond.	104	350	345	344	1	2	30.0	3.00	1.50
227Guscio fond.	348	301	332		1	2	30.0	3.00	1.50

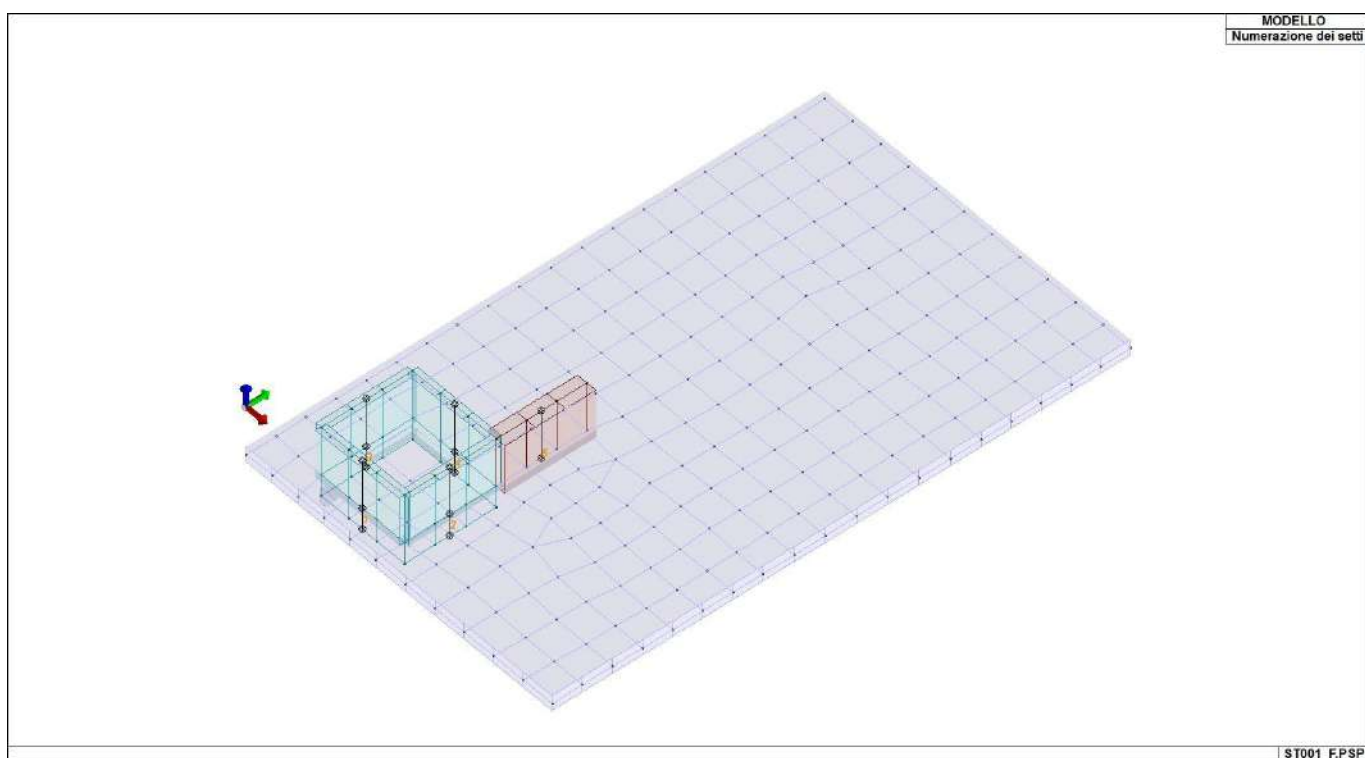
228	Guscio fond.	349	347	350		1	2	30.0	3.00	1.50
229	Setto	354	360	123	112	1	2	20.0		
230	Setto	360	361	125	123	1	2	20.0		
231	Setto	361	353	111	125	1	2	20.0		
232	Setto	111	127	362	353	1	2	20.0		
233	Setto	127	129	363	362	1	2	20.0		
234	Setto	129	102	352	363	1	2	20.0		
235	Setto	359	352	102	121	1	2	20.0		
236	Setto	358	359	121	119	1	2	20.0		
237	Setto	355	358	119	113	1	2	20.0		
238	Setto	112	117	357	354	1	2	20.0		
239	Setto	117	115	356	357	1	2	20.0		
240	Setto	115	113	355	356	1	2	20.0		



16_MOD_NUMERAZIONE_D3



16_MOD_NUMERAZIONE_D3_MACRO



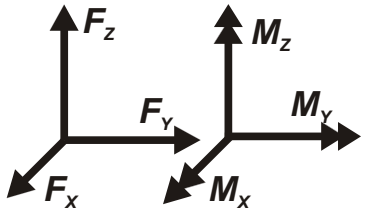
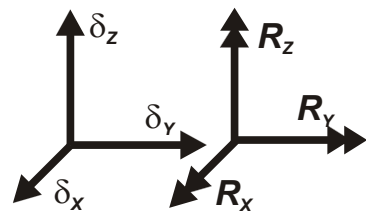
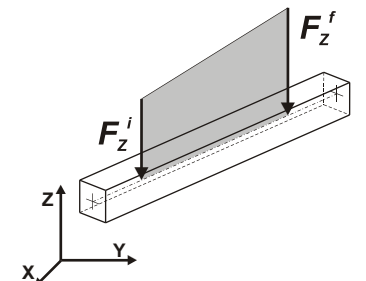
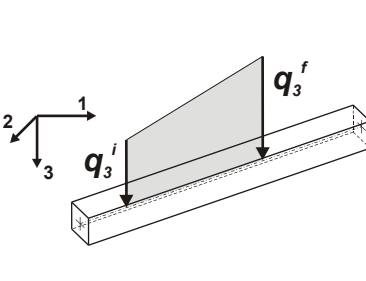
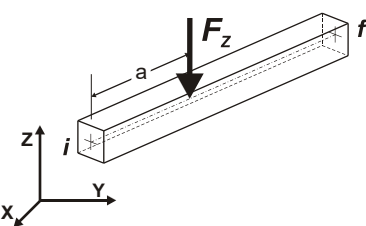
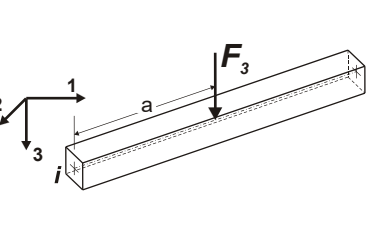
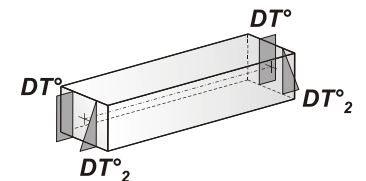
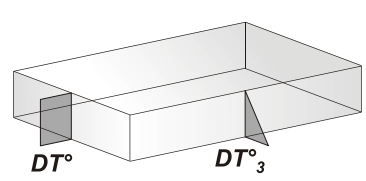
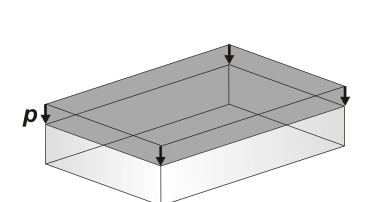
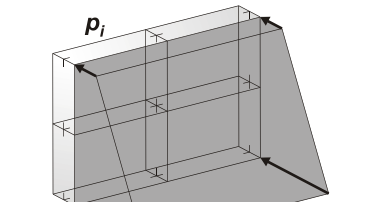
16_MOD_NUMERAZIONE_D3_PARETI

MODELLAZIONE DELLE AZIONI

LEGENDA TABELLA DATI AZIONI

Il programma consente l'uso di diverse tipologie di carico (azioni). Le azioni utilizzate nella modellazione sono individuate da una sigla identificativa ed un codice numerico (gli elementi strutturali richiamano quest'ultimo nella propria descrizione). Per ogni azione applicata alla struttura viene di riportato il codice, il tipo e la sigla identificativa. Le tabelle successive dettagliano i valori caratteristici di ogni azione in relazione al tipo. Le tabelle riportano infatti i seguenti dati in relazione al tipo:

1	carico concentrato nodale 6 dati (forza F_x , F_y , F_z , momento M_x , M_y , M_z)
2	spostamento nodale impresso 6 dati (spostamento T_x , T_y , T_z , rotazione R_x , R_y , R_z)
3	carico distribuito globale su elemento tipo trave 7 dati (f_x , f_y , f_z , m_x , m_y , m_z , ascissa di inizio carico) 7 dati (f_x , f_y , f_z , m_x , m_y , m_z , ascissa di fine carico)
4	carico distribuito locale su elemento tipo trave 7 dati (f_1 , f_2 , f_3 , m_1 , m_2 , m_3 , ascissa di inizio carico) 7 dati (f_1 , f_2 , f_3 , m_1 , m_2 , m_3 , ascissa di fine carico)
5	carico concentrato globale su elemento tipo trave 7 dati (F_x , F_y , F_z , M_x , M_y , M_z , ascissa di carico)
6	carico concentrato locale su elemento tipo trave 7 dati (F_1 , F_2 , F_3 , M_1 , M_2 , M_3 , ascissa di carico)
7	variazione termica applicata ad elemento tipo trave 7 dati (variazioni termiche: uniforme, media e differenza in altezza e larghezza al nodo iniziale e finale)
8	carico di pressione uniforme su elemento tipo piastra 1 dato (pressione)
9	carico di pressione variabile su elemento tipo piastra 4 dati (pressione, quota, pressione, quota)
10	variazione termica applicata ad elemento tipo piastra 2 dati (variazioni termiche: media e differenza nello spessore)
11	carico variabile generale su elementi tipo trave e piastra 1 dato descrizione della tipologia 4 dati per segmento (posizione, valore, posizione, valore) la tipologia precisa l'ascissa di definizione, la direzione del carico, la modalità di carico e la larghezza d'influenza per gli elementi tipo trave
12	gruppo di carichi con impronta su piastra 9 dati (numero di ripetizioni in direzione X e Y, valore di ciascun carico, posizione centrale del primo, dimensioni dell'impronta, interasse tra i carichi)

 Carico concentrato nodale	 Spostamento impresso
 Carico distribuito globale	 Carico distribuito locale
 Carico concentrato globale	 Carico concentrato locale
 Carico termico 2D	 Carico termico 3D
 Carico pressione uniforme	 Carico pressione variabile

Tipo carico distribuito globale su trave

Id	Tipo	Pos.	fx	fy	fz	mx	my	mz
		m	daN/ m	daN/ m	daN/ m	daN	daN	daN
9	Orsogrill-DG:Fzi=-0.82 Fzf=-0.82	0.0	0.0	0.0	-82.00	0.0	0.0	0.0
		0.0	0.0	0.0	-82.00	0.0	0.0	0.0
10	Carteratura cartongesso-DG:Fzi=-1.20 Fzf=-1.20	0.0	0.0	0.0	-120.00	0.0	0.0	0.0
		0.0	0.0	0.0	-120.00	0.0	0.0	0.0

Tipo carico di pressione uniforme su piastra

Id	Tipo	pressione
		daN/ m2
1	P3:p= 2.000e-02	200.00
2	Pavimnto - P3:p= 1.500e-02	150.00
3	Folla - P3:p= 4.000e-02	400.00
7	QVK PAN ++ vento*0.4 (da personalizzare)-P3:p= 1.030e-02	103.00

SCHEMATIZZAZIONE DEI CASI DI CARICO

LEGENDA TABELLA CASI DI CARICO

Il programma consente l'applicazione di diverse tipologie di casi di carico.

Sono previsti i seguenti 11 tipi di casi di carico:

	Sigla	Tipo	Descrizione
1	Ggk	A	caso di carico comprensivo del peso proprio struttura
2	Gk	NA	caso di carico con azioni permanenti
3	Qk	NA	caso di carico con azioni variabili
4	Gsk	A	caso di carico comprensivo dei carichi permanenti sui solai e sulle coperture
5	Qsk	A	caso di carico comprensivo dei carichi variabili sui solai
6	Qnk	A	caso di carico comprensivo dei carichi di neve sulle coperture
7	Qtk	SA	caso di carico comprensivo di una variazione termica agente sulla struttura
8	Qvk	NA	caso di carico comprensivo di azioni da vento sulla struttura
9	Esk	SA	caso di carico sismico con analisi statica equivalente
10	Edk	SA	caso di carico sismico con analisi dinamica
11	Etk	NA	caso di carico comprensivo di azioni derivanti dall' incremento di spinta delle terre in condizione sismica
12	Pk	NA	caso di carico comprensivo di azioni derivanti da coazioni, cedimenti e precompressioni

Sono di tipo automatico A (ossia non prevedono introduzione dati da parte dell'utente) i seguenti casi di carico: 1-Ggk; 4-Gsk; 5-Qsk; 6-Qnk.

Sono di tipo semi-automatico SA (ossia prevedono una minima introduzione dati da parte dell'utente) i seguenti casi di carico:

7-Qtk, in quanto richiede solo il valore della variazione termica;

9-Esk e 10-Edk, in quanto richiedono il valore dell'angolo di ingresso del sisma e l'individuazione dei casi di carico partecipanti alla definizione delle masse.

Sono di tipo non automatico NA ossia prevedono la diretta applicazione di carichi generici agli elementi strutturali (si veda il precedente punto Modellazione delle Azioni) i restanti casi di carico.

Nella tabella successiva vengono riportati i casi di carico agenti sulla struttura, con l'indicazione dei dati relativi al caso di carico stesso:

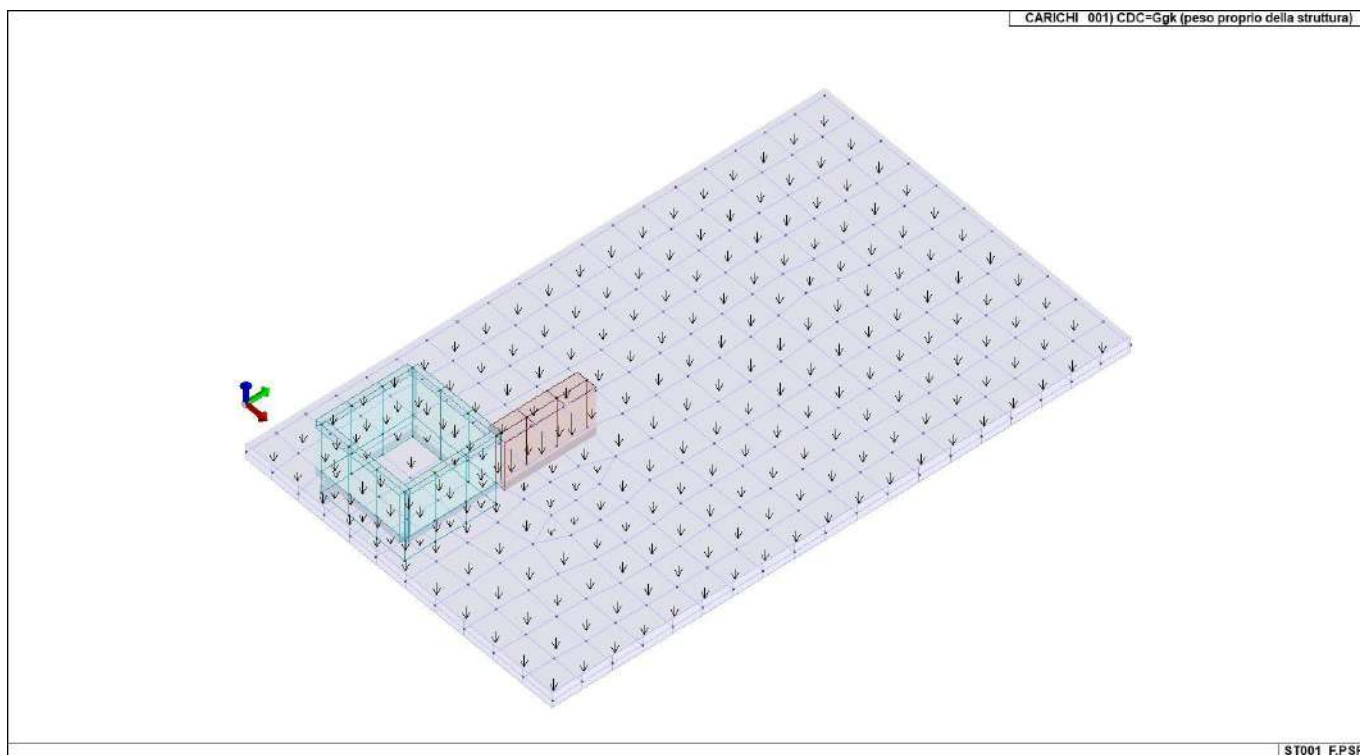
Numero Tipo e Sigla identificativa, Valore di riferimento del caso di carico (se previsto).

In successione, per i casi di carico non automatici, viene riportato l'elenco di nodi ed elementi direttamente caricati con la sigla identificativa del carico.

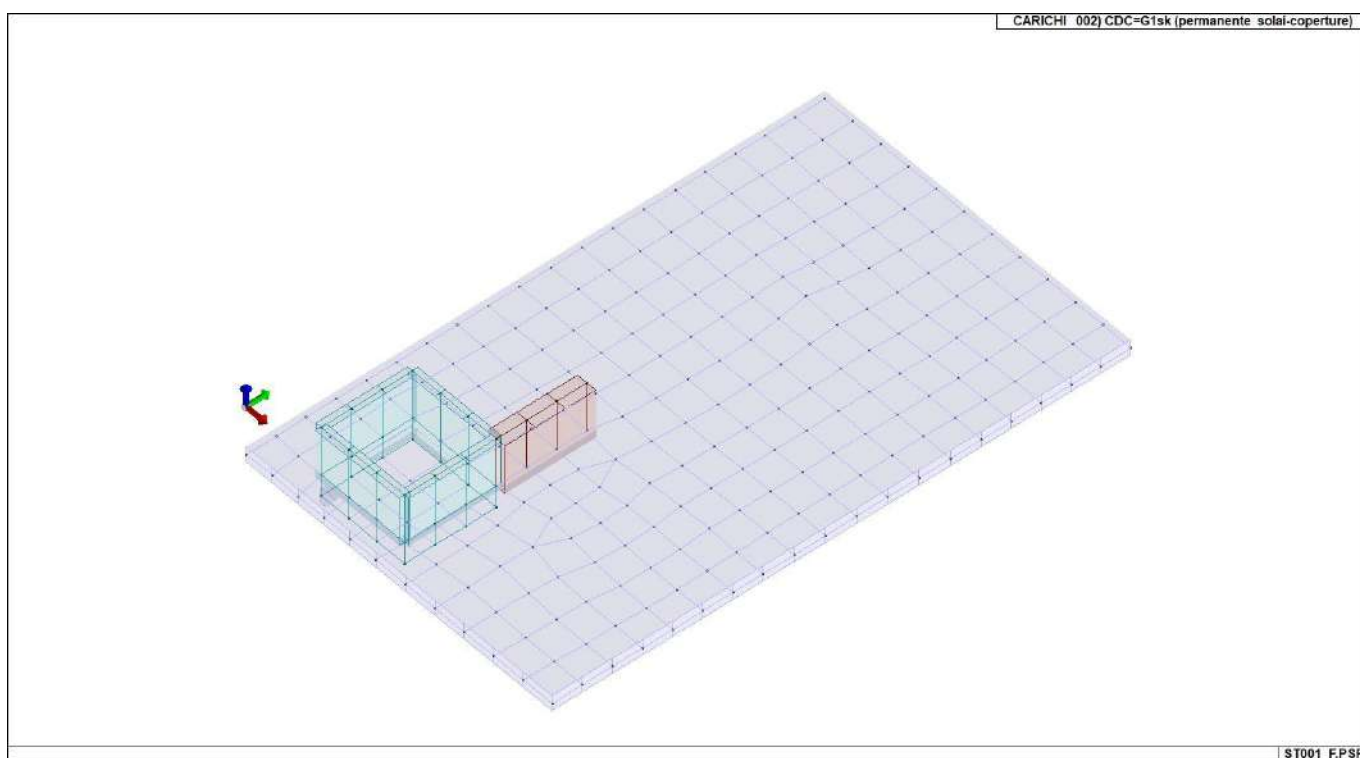
Per i casi di carico di tipo sismico (9-Esk e 10-Edk), viene riportata la tabella di definizione delle masse: per ogni caso di carico partecipante alla definizione delle masse viene indicata la relativa aliquota (partecipazione) considerata. Si precisa che per i caso di carico 5-Qsk e 6-Qnk la partecipazione è prevista localmente per ogni elemento solaio o copertura presente nel modello (si confronti il valore Sksol nel capitolo relativo agli elementi solaio) e pertanto la loro partecipazione è di norma pari a uno.

CDC	Tipo	Sigla Id	Note	Per non automatici:
1	Ggk	CDC=Ggk (peso proprio della struttura)		
2	Gsk	CDC=G1sk (permanente solai-coperture)		
3	Gsk	CDC=G2sk (permanente solai-coperture n.c.d.)		
4	Gsk	CDC=G2pk (permanente pannelli n.c.d.)		

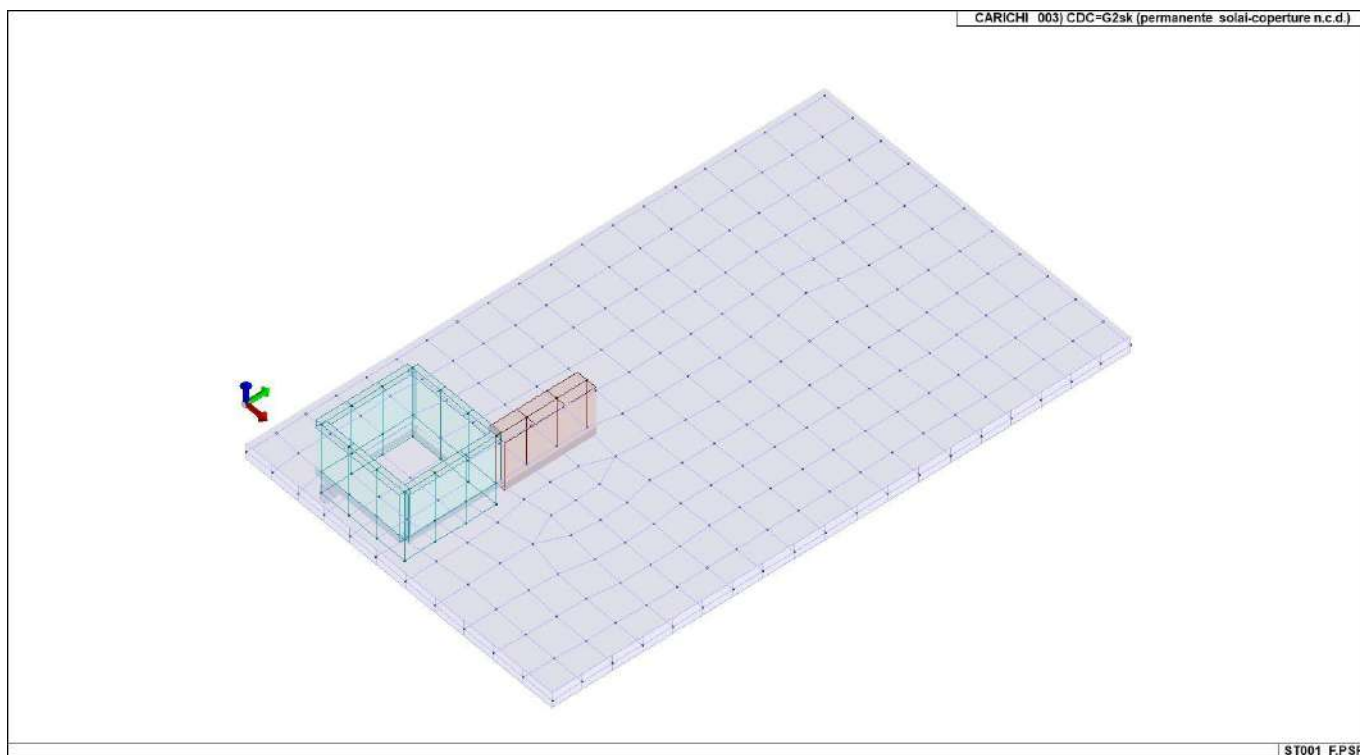
CDC	Tipo	Sigla Id	Note	Per non automatici:
5	Qsk	CDC=Qsk (variabile solai)		
6	Qnk	CDC=Qnk (carico da neve)		
7	Edk	CDC=Ed (dinamico SLU) alfa=0.0 (ecc. +)	partecipazione:1.00 per 1 CDC=Ggk (peso proprio della struttura)	
			partecipazione:1.00 per 2 CDC=G1sk (permanente solai-coperture)	
			partecipazione:1.00 per 3 CDC=G2sk (permanente solai-coperture n.c.d.)	
			partecipazione:1.00 per 4 CDC=G2pk (permanente pannelli n.c.d.)	
			partecipazione:1.00 per 5 CDC=Qsk (variabile solai)	
			partecipazione:1.00 per 6 CDC=Qnk (carico da neve)	
8	Edk	CDC=Ed (dinamico SLU) alfa=0.0 (ecc. -)	come precedente CDC sismico	
9	Edk	CDC=Ed (dinamico SLU) alfa=90.00 (ecc. +)	come precedente CDC sismico	
10	Edk	CDC=Ed (dinamico SLU) alfa=90.00 (ecc. -)	come precedente CDC sismico	
11	Edk	CDC=Ed (dinamico SLD) alfa=0.0 (ecc. +)	come precedente CDC sismico	
12	Edk	CDC=Ed (dinamico SLD) alfa=0.0 (ecc. -)	come precedente CDC sismico	
13	Edk	CDC=Ed (dinamico SLD) alfa=90.00 (ecc. +)	come precedente CDC sismico	
14	Edk	CDC=Ed (dinamico SLD) alfa=90.00 (ecc. -)	come precedente CDC sismico	
15	Gk	CDC=G1k (permanente generico)	Azioni applicate:	Ad elementi:
			[1] P3:p= 2.000e-02	D3: 16 # 20, 22 # 34, 36 # 69, 71 # 72, 74 # 75, 78 # 79, 81 # 145, 147 # 151, 153 # 228
16	Qvk	CDC=Qvk (carico da vento)	Azioni applicate:	Ad elementi:
17	Gk	CDC=G2k (permanente generico n.c.d.)	Azioni applicate:	Ad elementi:
			[2] Pavimnto - P3:p= 1.500e-02	D3: 16 # 20, 22 # 34, 36 # 69, 71 # 72, 74 # 75, 78 # 79, 81 # 145, 147 # 151, 153 # 228
18	Qk	CDC=Qk (variabile generico)	Azioni applicate:	Ad elementi:
			[3] Folla - P3:p= 4.000e-02	D3: 16 # 20, 22 # 34, 36 # 69, 71 # 72, 74 # 75, 78 # 79, 81 # 145, 147 # 151, 153 # 228



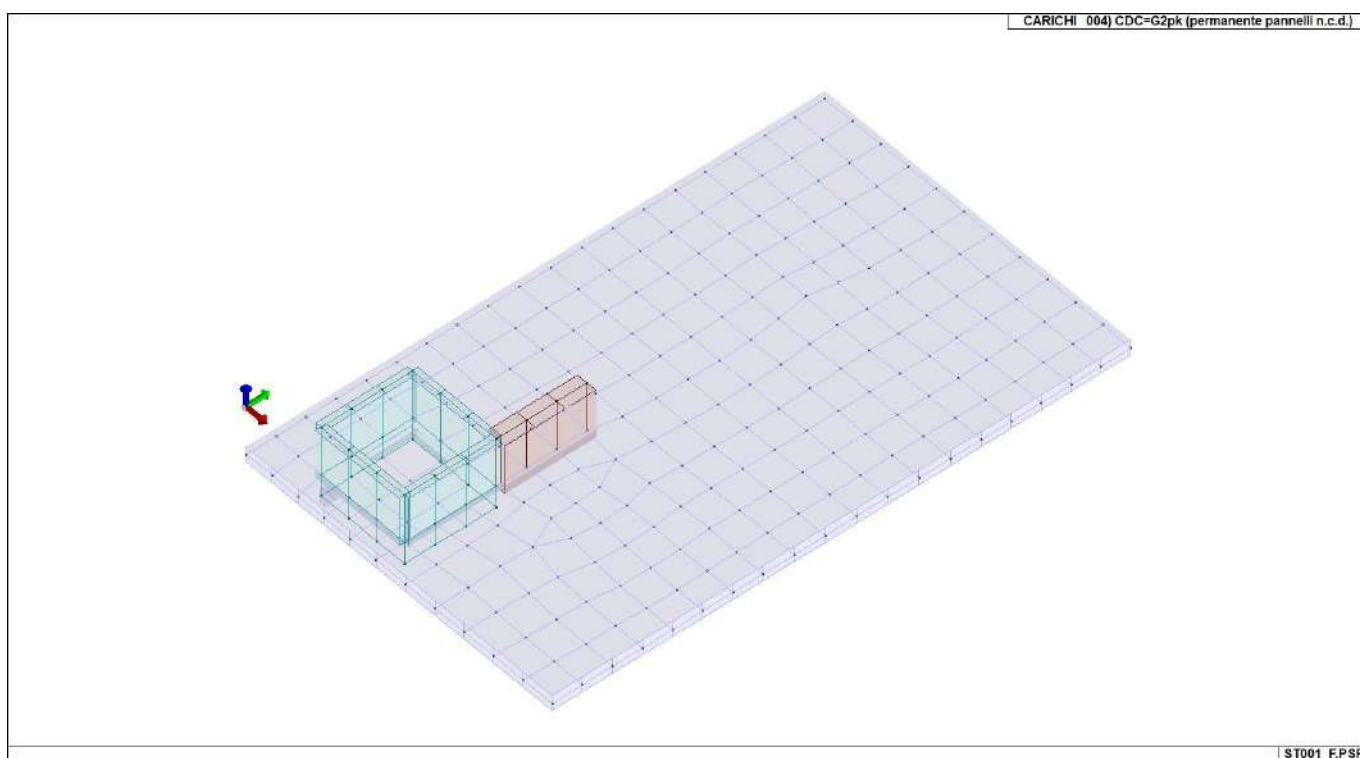
22_CDC_001_CDCCG_{gk} peso proprio della struttura



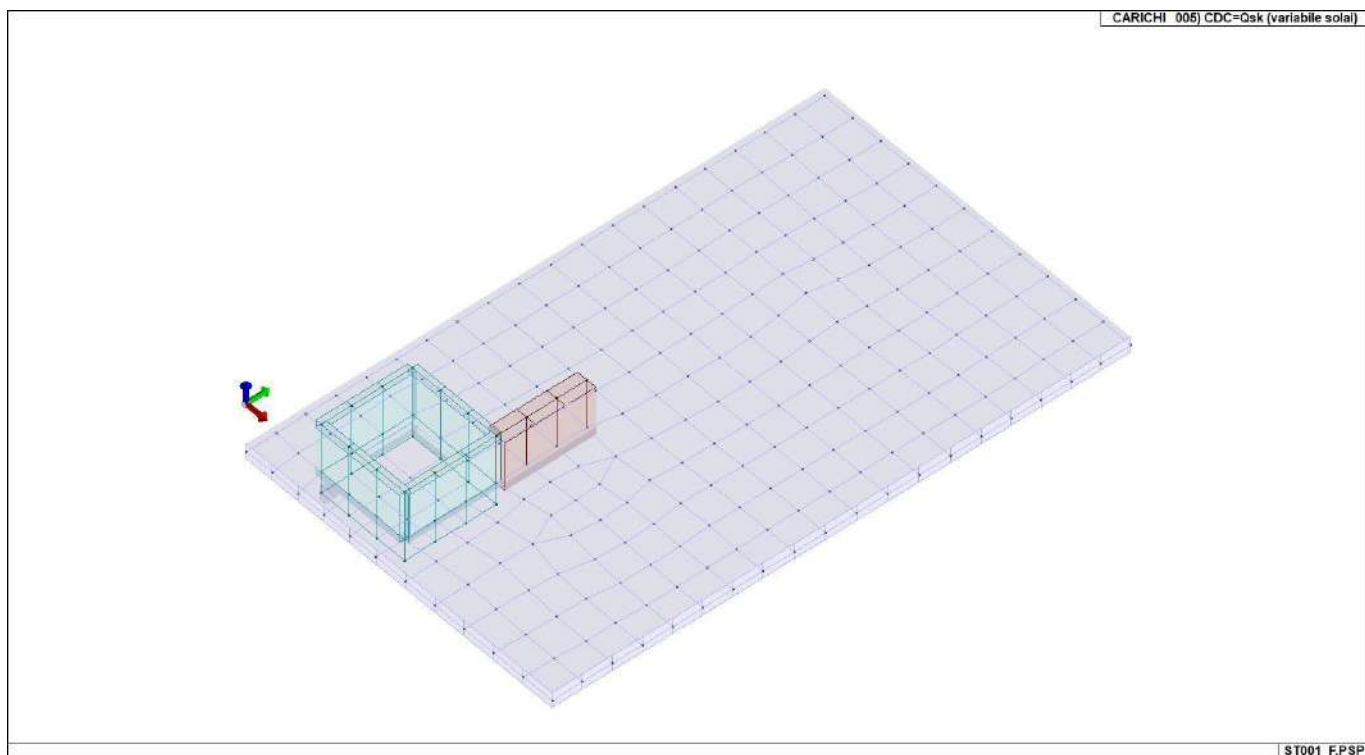
22_CDC_002_CDCCG_{1sk} permanente solai-coperture



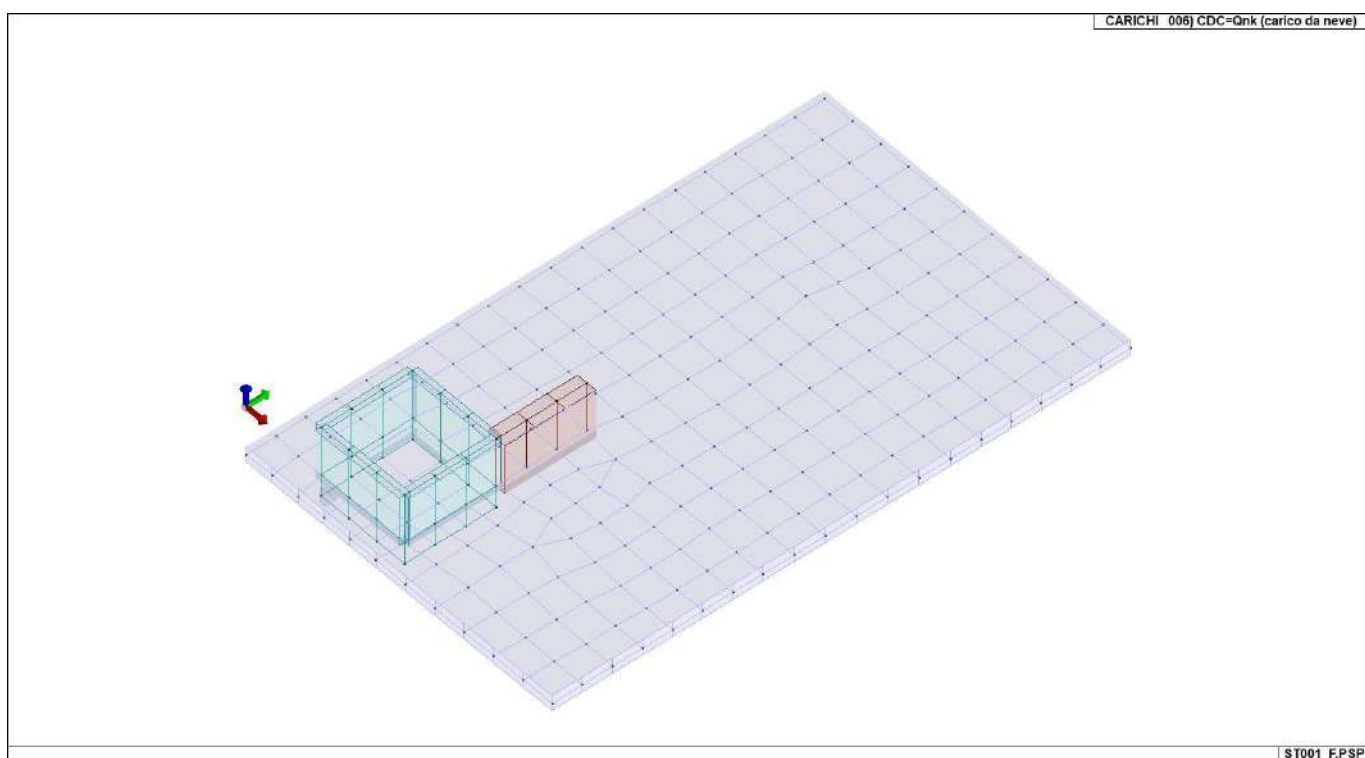
22_CDC_003_CDCCG2sk permanente solai-coperture ncd



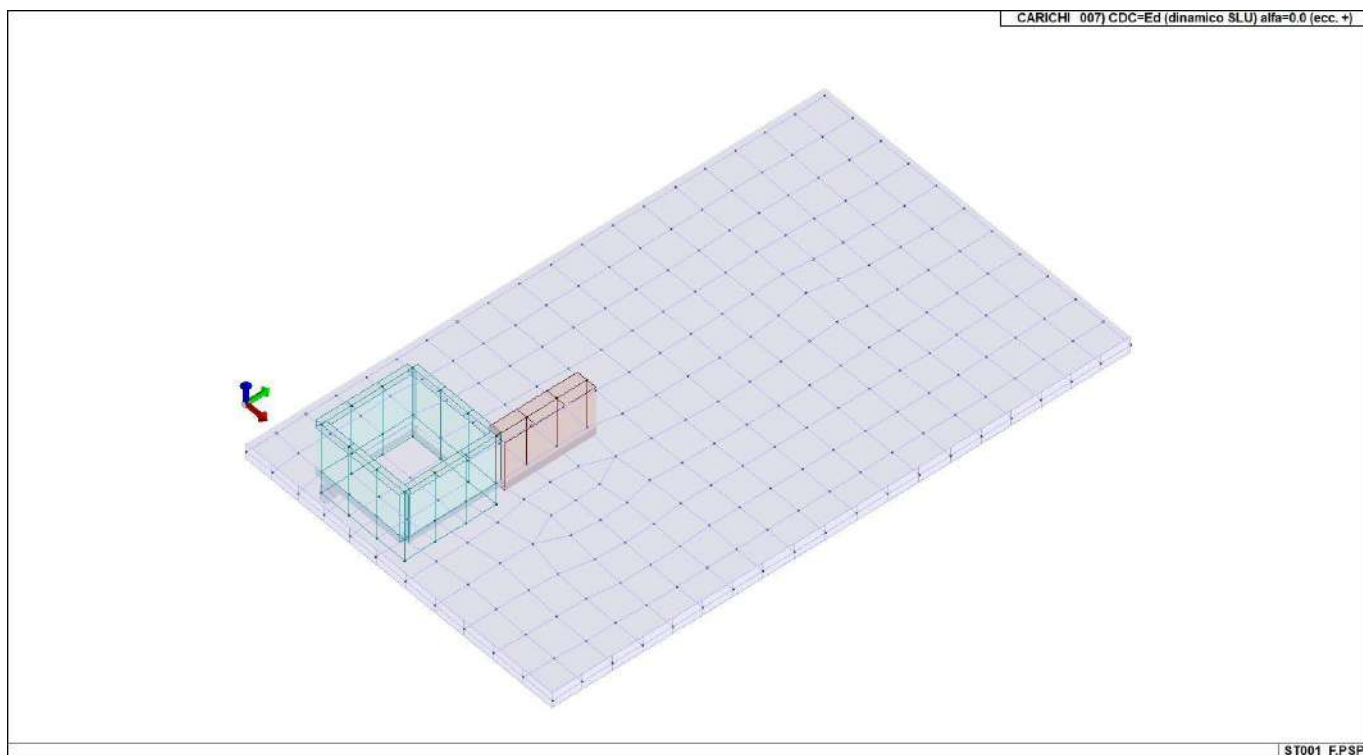
22_CDC_004_CDCCG2pk permanente pannelli ncd



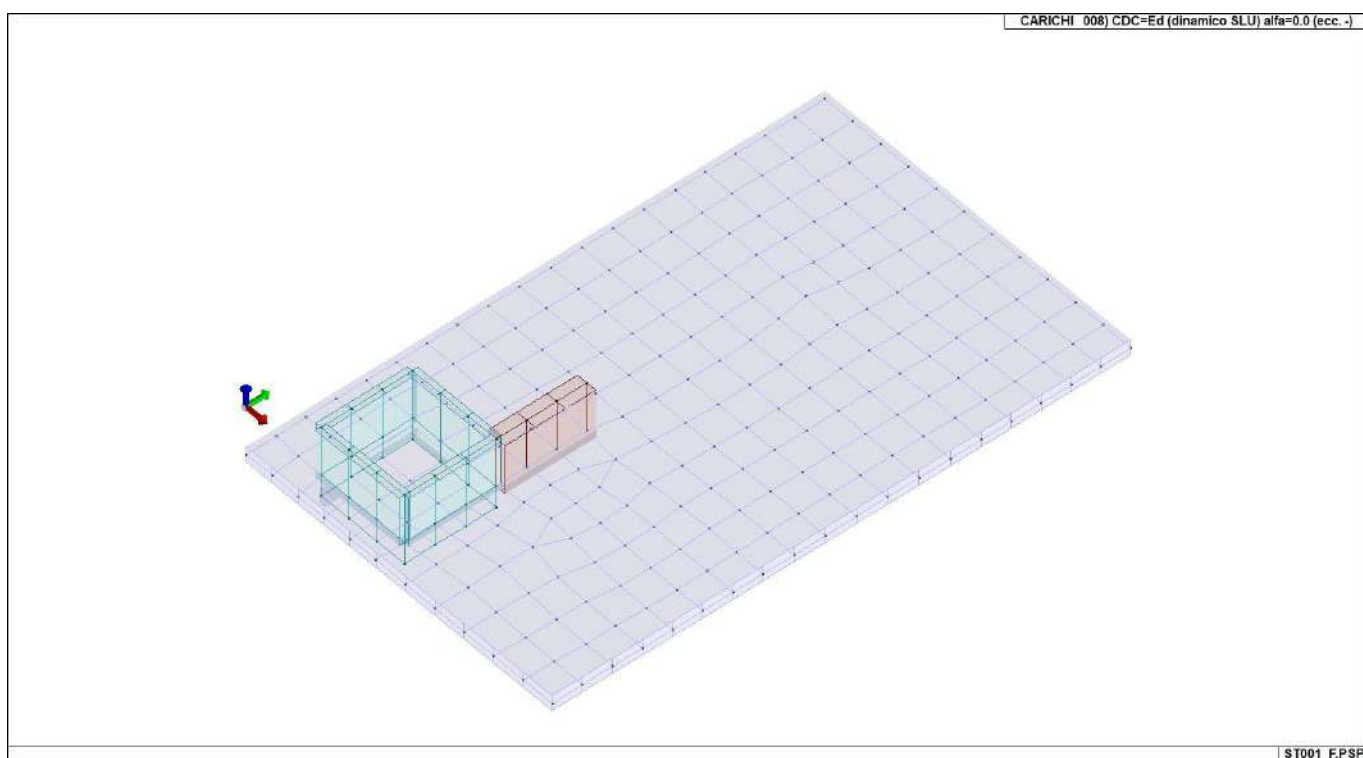
22_CDC_005_CDCQsk variabile solai



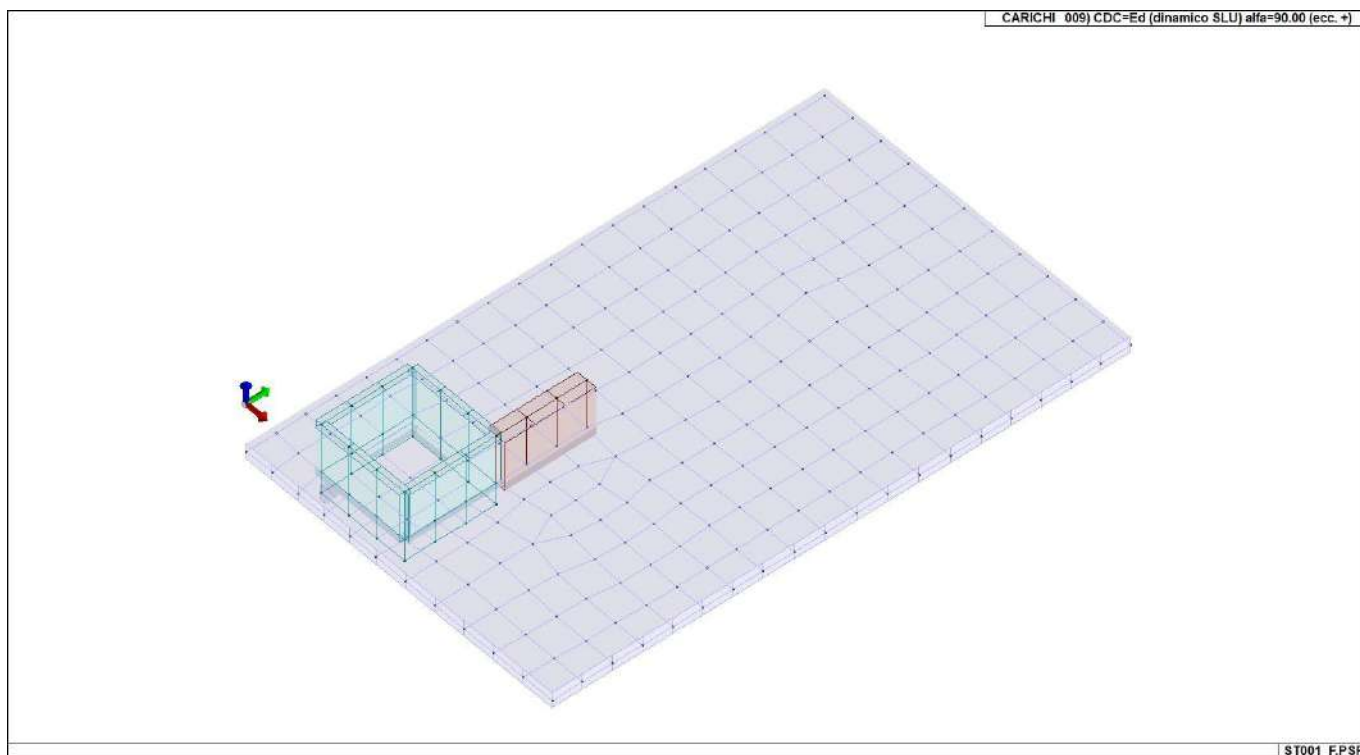
22_CDC_006_CDCQnk carico da neve



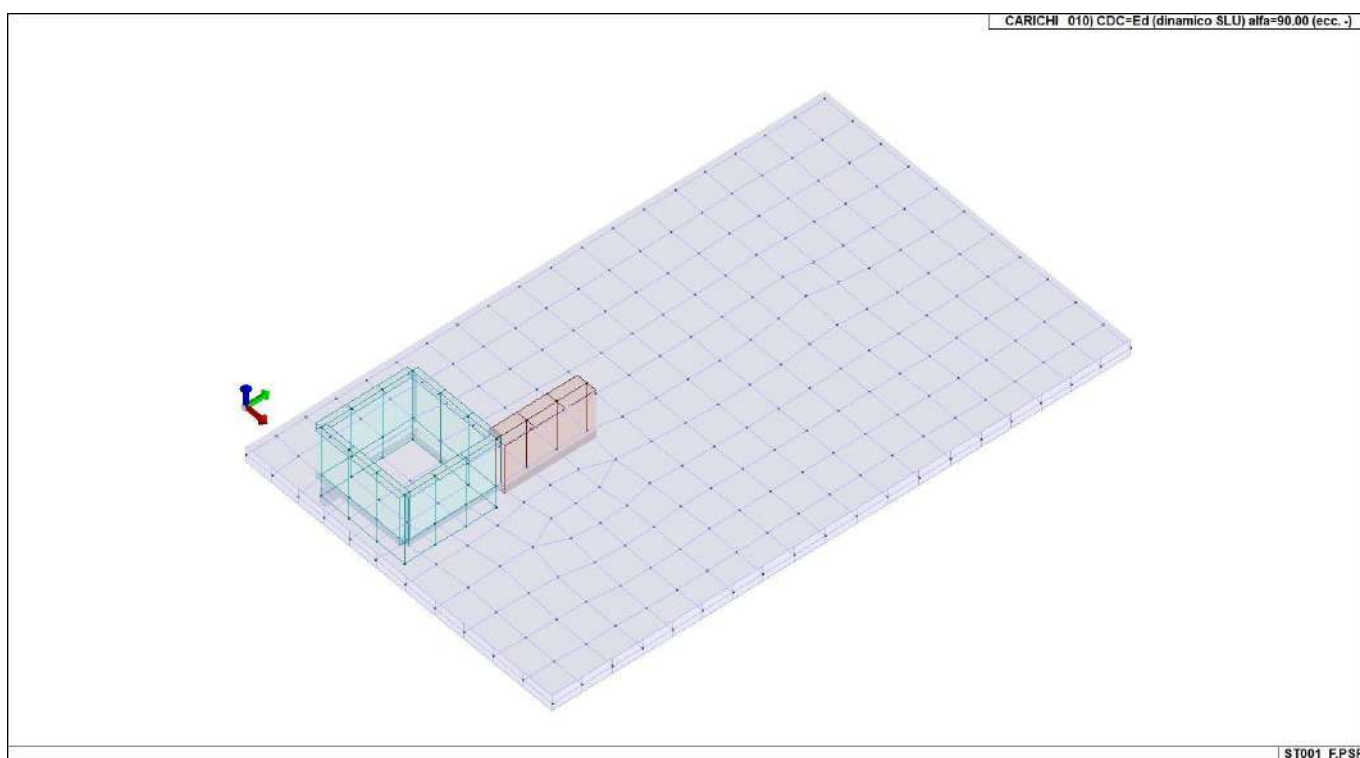
22_CDC_007_CDCEd dinamico SLU alfa00 ecc +



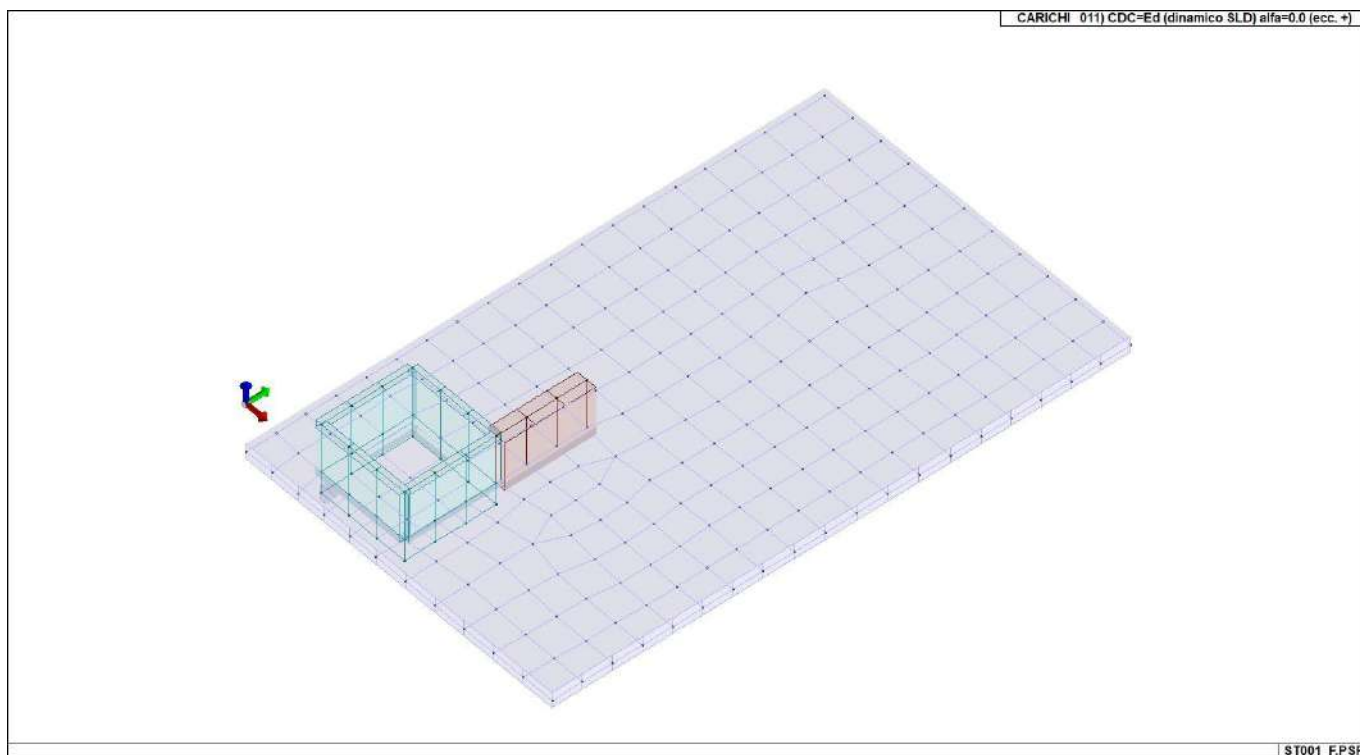
22_CDC_008_CDCEd dinamico SLU alfa00 ecc -



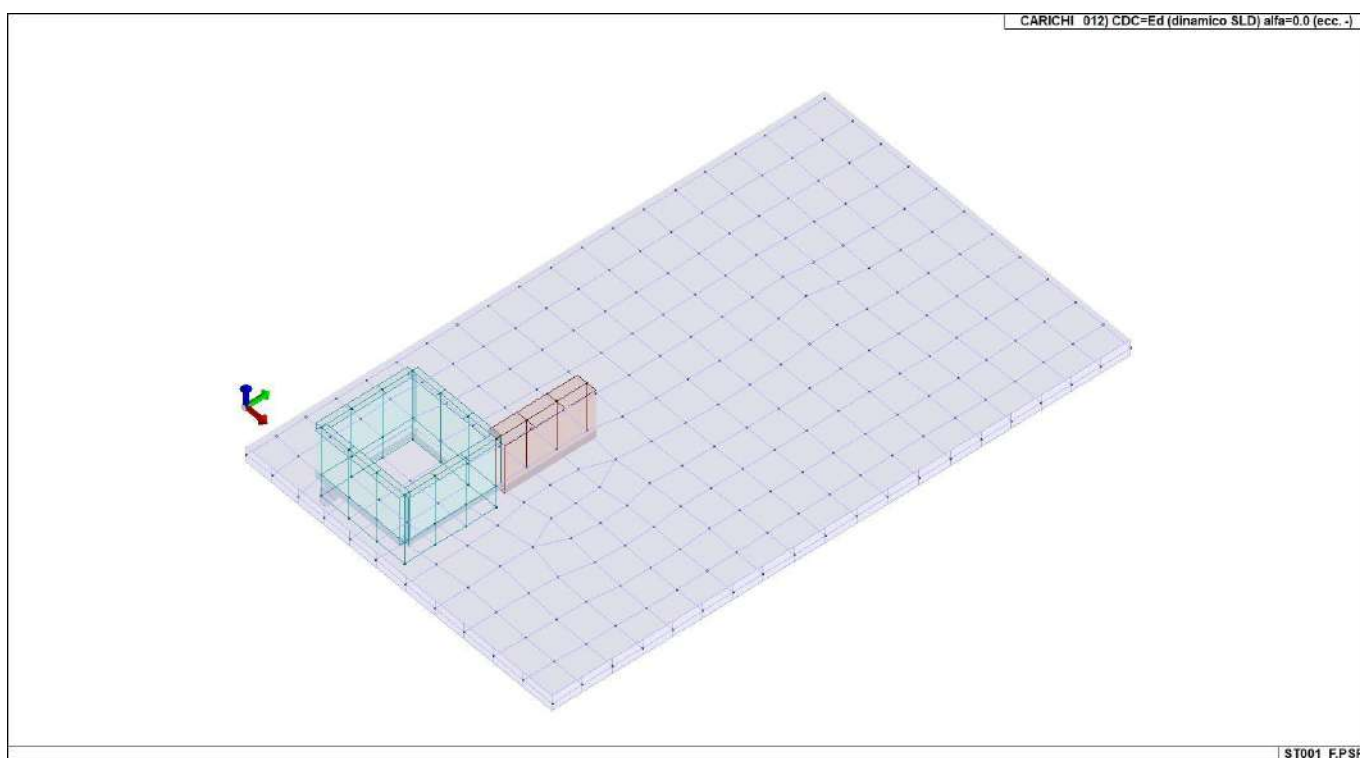
22_CDC_009_CDCEd dinamico SLU alfa9000 ecc +



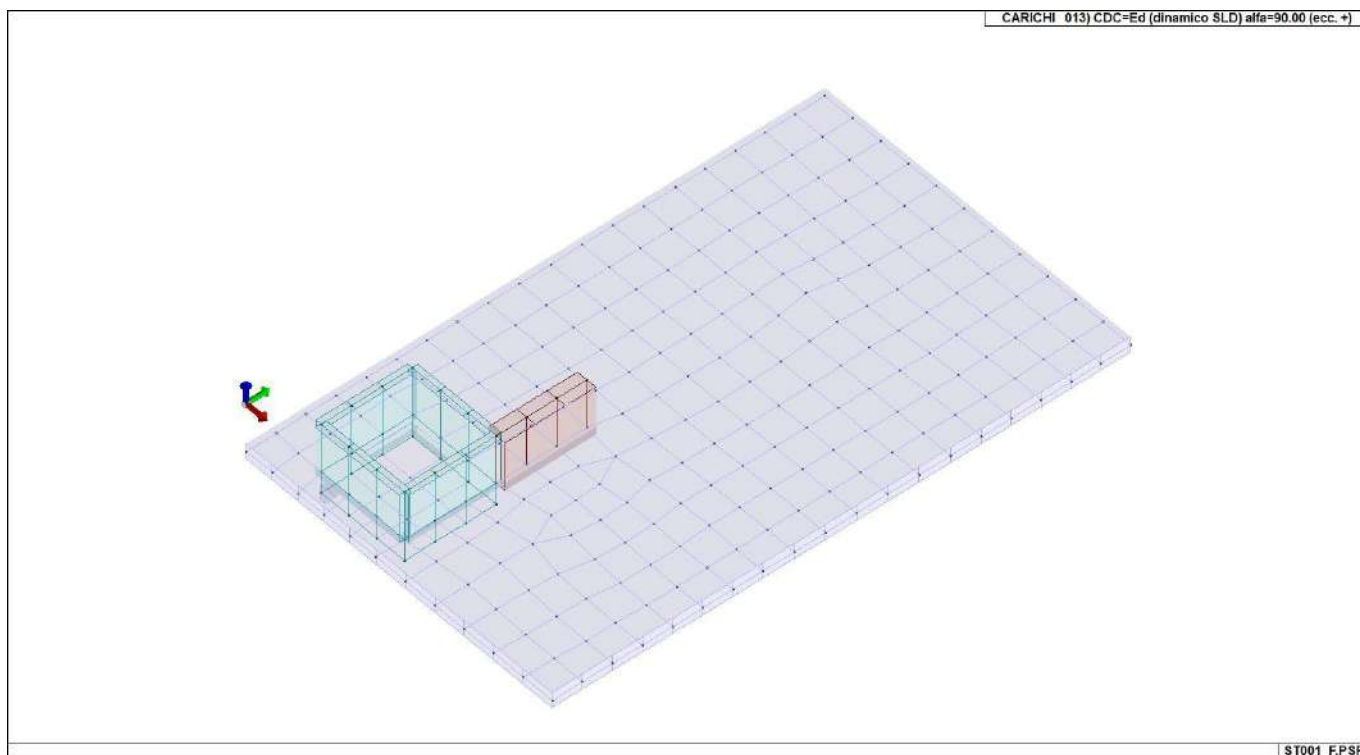
22_CDC_010_CDCEd dinamico SLU alfa9000 ecc -



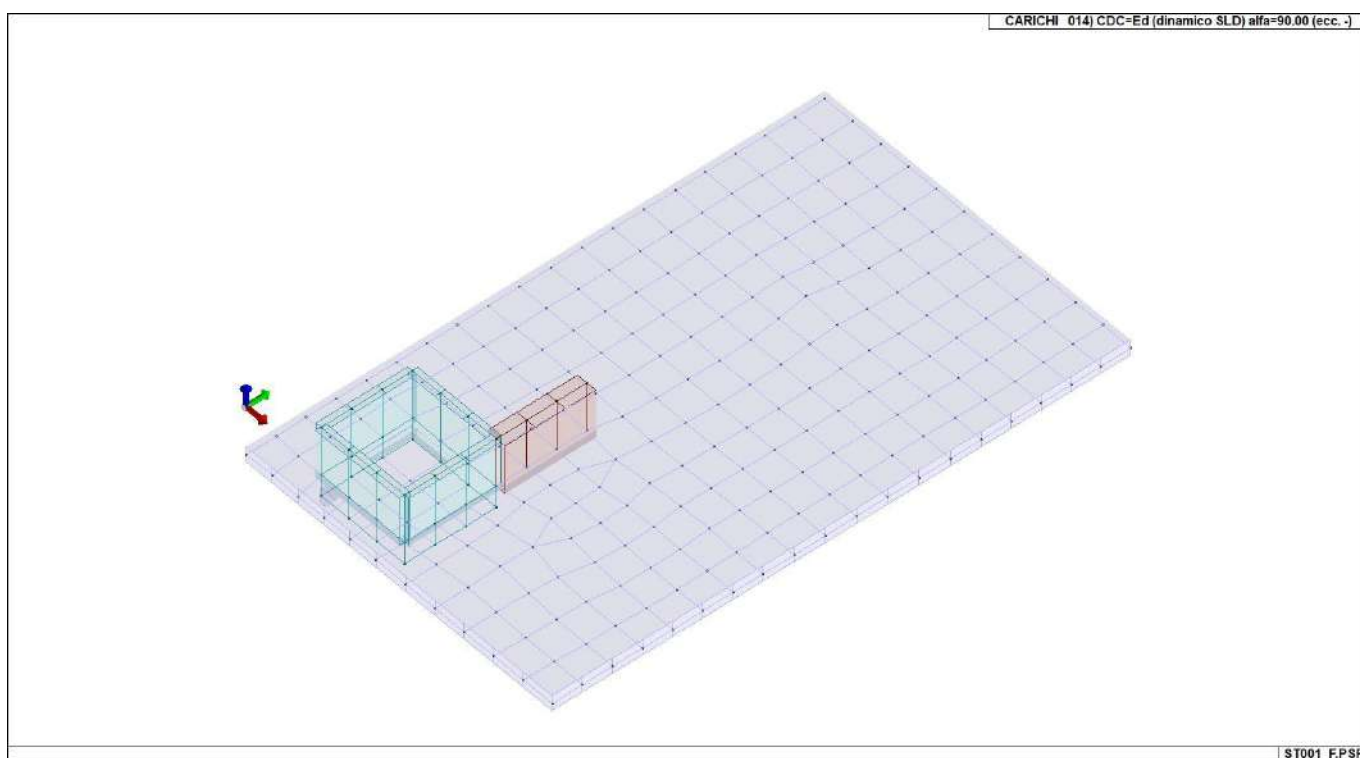
22_CDC_011_CDCEd dinamico SLD alfa00 ecc +



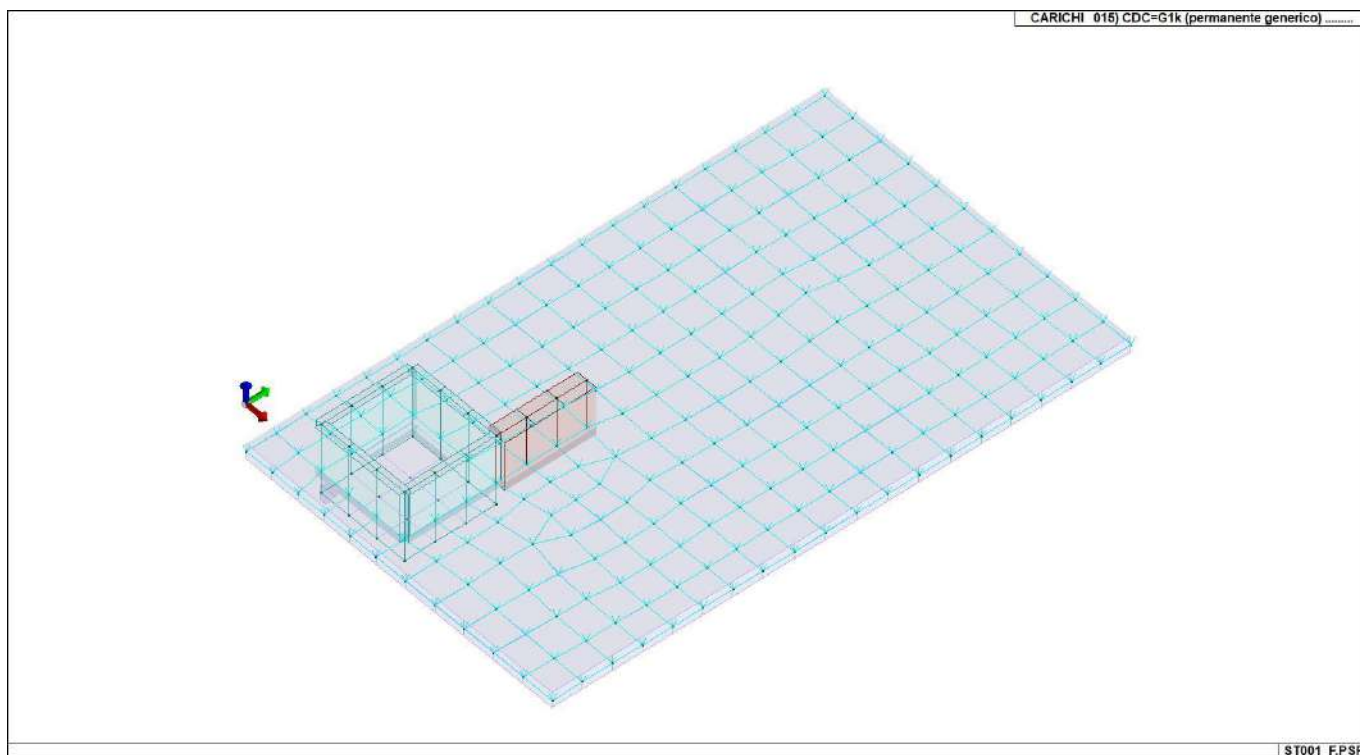
22_CDC_012_CDCEd dinamico SLD alfa00 ecc -



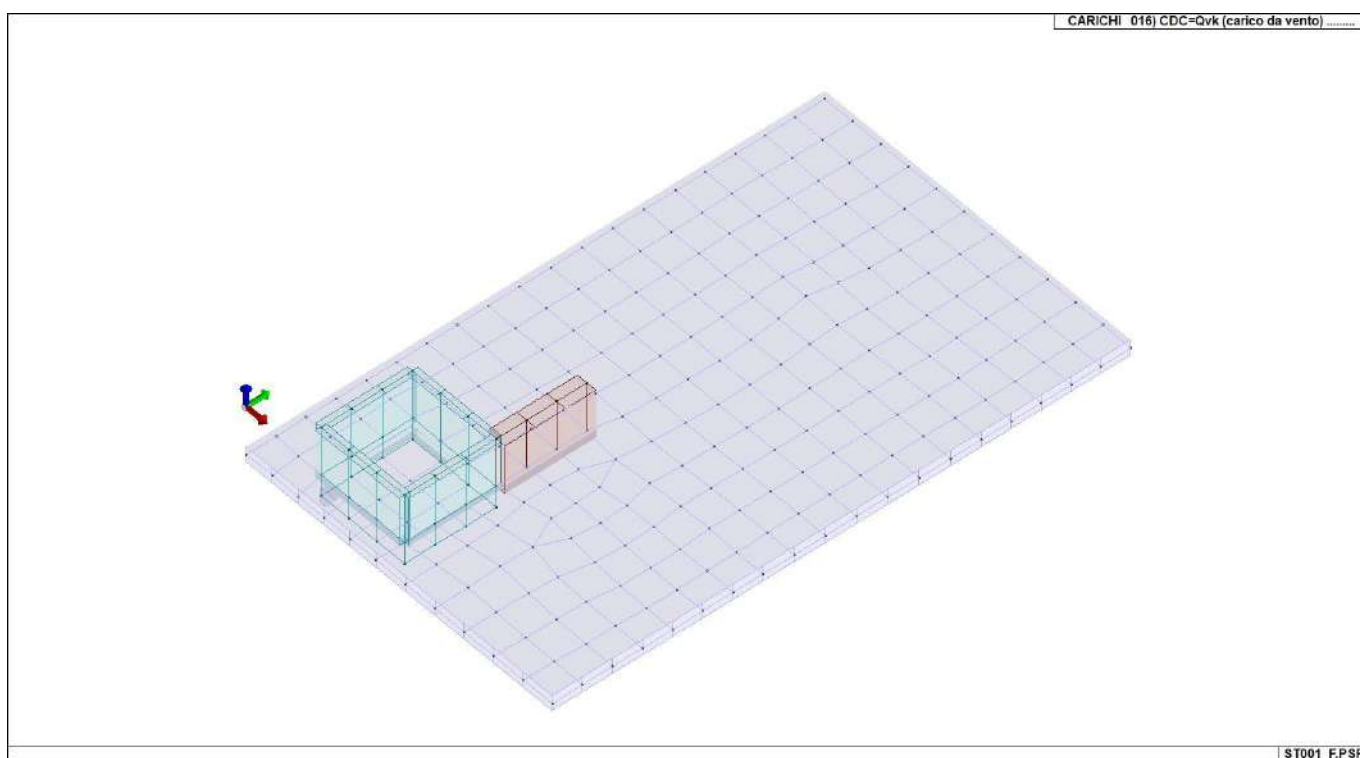
22_CDC_013_CDCEd dinamico SLD alfa9000 ecc +



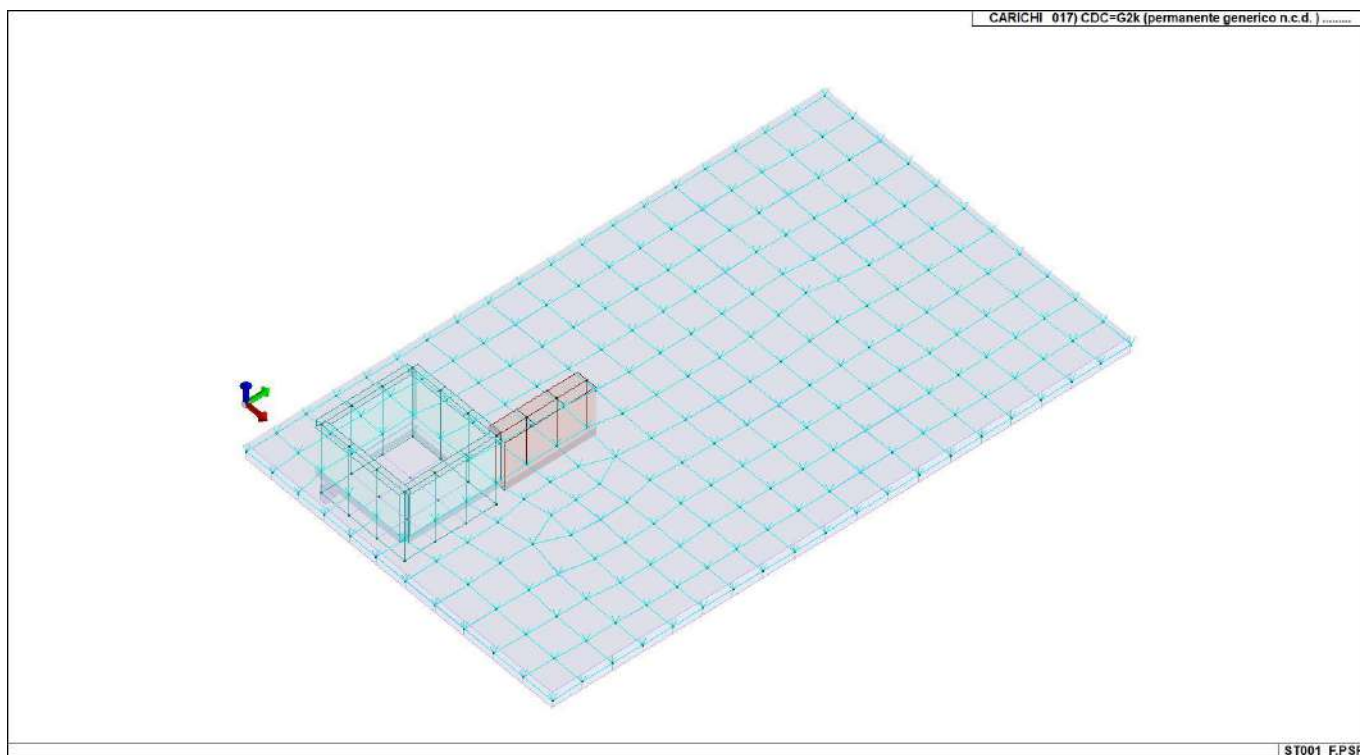
22_CDC_014_CDCEd dinamico SLD alfa9000 ecc -



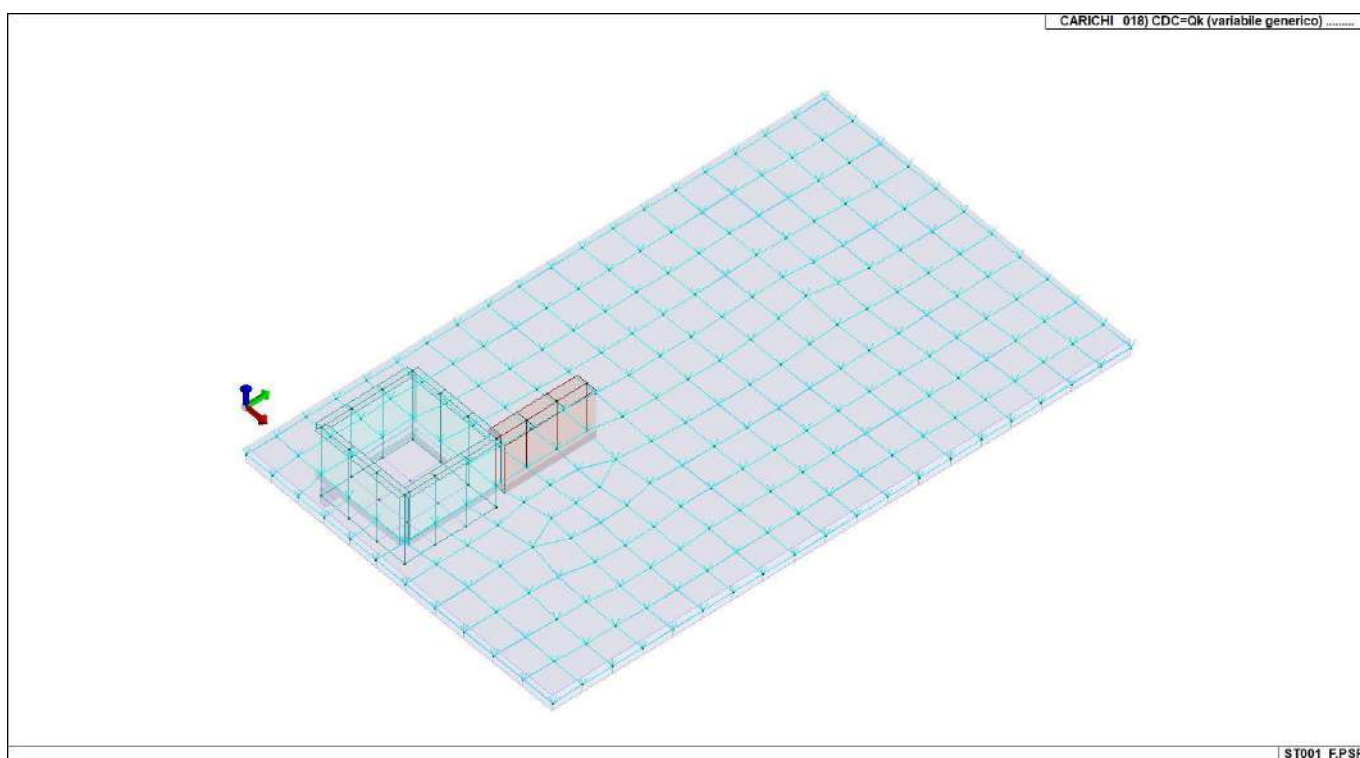
22_CDC_015_CDCG1k permanente generico



22_CDC_016_CDCQvk carico da vento



22_CDC_017_CDCG2k permanente generico ncd



22_CDC_018_CDCQk variabile generico

DEFINIZIONE DELLE COMBINAZIONI

LEGENDA TABELLA COMBINAZIONI DI CARICO

Il programma combina i diversi tipi di casi di carico (CDC) secondo le regole previste dalla normativa vigente. Le combinazioni previste sono destinate al controllo di sicurezza della struttura ed alla verifica degli spostamenti e delle sollecitazioni.

La prima tabella delle combinazioni riportata di seguito comprende le seguenti informazioni: Numero, Tipo, Sigla identificativa. Una seconda tabella riporta il peso nella combinazione assunto per ogni caso di carico.

Ai fini delle verifiche degli stati limite si definiscono le seguenti combinazioni delle azioni:

Combinazione fondamentale SLU

$$\gamma G_1 \cdot G_1 + \gamma G_2 \cdot G_2 + \gamma P \cdot P + \gamma Q_1 \cdot Q_{k1} + \gamma Q_2 \cdot \psi_{02} \cdot Q_{k2} + \gamma Q_3 \cdot \psi_{03} \cdot Q_{k3} + \dots$$

Combinazione caratteristica (rara) SLE

$$G_1 + G_2 + P + Q_{k1} + \psi_{02} \cdot Q_{k2} + \psi_{03} \cdot Q_{k3} + \dots$$

Combinazione frequente SLE

$$G_1 + G_2 + P + \psi_{11} \cdot Q_{k1} + \psi_{22} \cdot Q_{k2} + \psi_{23} \cdot Q_{k3} + \dots$$

Combinazione quasi permanente SLE

$$G_1 + G_2 + P + \psi_{21} \cdot Q_{k1} + \psi_{22} \cdot Q_{k2} + \psi_{23} \cdot Q_{k3} + \dots$$

Combinazione sismica, impiegata per gli stati limite ultimi e di esercizio connessi all'azione sismica E

$$E + G_1 + G_2 + P + \psi_{21} \cdot Q_{k1} + \psi_{22} \cdot Q_{k2} + \dots$$

Combinazione eccezionale, impiegata per gli stati limite connessi alle azioni eccezionali

$$G_1 + G_2 + A_d + P + \psi_{21} \cdot Q_{k1} + \psi_{22} \cdot Q_{k2} + \dots$$

Dove:

NTC 2018 Tabella 2.5.I

Destinazione d'uso/azione	ψ_0	ψ_1	ψ_2
Categoria A residenziali	0,70	0,50	0,30
Categoria B uffici	0,70	0,50	0,30
Categoria C ambienti suscettibili di affollamento	0,70	0,70	0,60
Categoria D ambienti ad uso commerciale	0,70	0,70	0,60
Categoria E biblioteche, archivi, magazzini, ...	1,00	0,90	0,80
Categoria F Rimesse e parcheggi (autoveicoli $\leq 30kN$)	0,70	0,70	0,60
Categoria G Rimesse e parcheggi (autoveicoli $> 30kN$)	0,70	0,50	0,30
Categoria H Coperture	0,00	0,00	0,00
Vento	0,60	0,20	0,00
Neve a quota $\leq 1000 m$	0,50	0,20	0,00
Neve a quota $> 1000 m$	0,70	0,50	0,20
Variazioni Termiche	0,60	0,50	0,00

Nelle verifiche possono essere adottati in alternativa due diversi approcci progettuali:

- per l'approccio 1 si considerano due diverse combinazioni di gruppi di coefficienti di sicurezza parziali per le azioni, per i materiali e per la resistenza globale (combinazione 1 con coefficienti A1 e combinazione 2 con coefficienti A2),
- per l'approccio 2 si definisce un'unica combinazione per le azioni, per la resistenza dei materiali e per la resistenza globale (con coefficienti A1).

NTC 2018 Tabella 2.6.I

	Coefficiente	EQU	A1	A2

		γ_f			
<i>Carichi permanenti</i>	<i>Favorevoli</i>	γ_{G1}	0,9	1,0	1,0
	<i>Sfavorevoli</i>		1,1	1,3	1,0
<i>Carichi permanenti non strutturali</i> (Non compiutamente definiti)	<i>Favorevoli</i>	γ_{G2}	0,8	0,8	0,8
	<i>Sfavorevoli</i>		1,5	1,5	1,3
<i>Carichi variabili</i>	<i>Favorevoli</i>	γ_{Qi}	0,0	0,0	0,0
	<i>Sfavorevoli</i>		1,5	1,5	1,3

Cmb	Tipo	Sigla Id	effetto P-delta
1	SLU	Comb. SLU A1 1	
2	SLU	Comb. SLU A1 2	
3	SLU	Comb. SLU A1 3	
4	SLU	Comb. SLU A1 4	
5	SLU	Comb. SLU A1 5	
6	SLU	Comb. SLU A1 6	
7	SLU	Comb. SLU A1 7	
8	SLU	Comb. SLU A1 8	
9	SLU	Comb. SLU A1 9	
10	SLU	Comb. SLU A1 10	
11	SLU	Comb. SLU A1 11	
12	SLU	Comb. SLU A1 12	
13	SLU	Comb. SLU A1 13	
14	SLU	Comb. SLU A1 14	
15	SLU	Comb. SLU A1 15	
16	SLU	Comb. SLU A1 16	
17	SLU	Comb. SLU A1 17	
18	SLU	Comb. SLU A1 18	
19	SLU	Comb. SLU A1 19	
20	SLU	Comb. SLU A1 20	
21	SLU	Comb. SLU A1 21	
22	SLU	Comb. SLU A1 22	
23	SLU	Comb. SLU A1 23	
24	SLU	Comb. SLU A1 24	
25	SLU	Comb. SLU A1 25	
26	SLU	Comb. SLU A1 26	
27	SLU	Comb. SLU A1 27	
28	SLU	Comb. SLU A1 28	
29	SLU	Comb. SLU A1 29	
30	SLU	Comb. SLU A1 30	
31	SLE(r)	Comb. SLE(rara) 31	
32	SLE(r)	Comb. SLE(rara) 32	
33	SLE(r)	Comb. SLE(rara) 33	
34	SLE(r)	Comb. SLE(rara) 34	
35	SLE(r)	Comb. SLE(rara) 35	
36	SLE(r)	Comb. SLE(rara) 36	
37	SLE(r)	Comb. SLE(rara) 37	
38	SLE(r)	Comb. SLE(rara) 38	
39	SLE(r)	Comb. SLE(rara) 39	
40	SLE(r)	Comb. SLE(rara) 40	
41	SLE(r)	Comb. SLE(rara) 41	
42	SLE(r)	Comb. SLE(rara) 42	
43	SLE(r)	Comb. SLE(rara) 43	
44	SLE(r)	Comb. SLE(rara) 44	
45	SLE(r)	Comb. SLE(rara) 45	
46	SLE(f)	Comb. SLE(freq.) 46	
47	SLE(f)	Comb. SLE(freq.) 47	
48	SLE(f)	Comb. SLE(freq.) 48	
49	SLE(f)	Comb. SLE(freq.) 49	
50	SLE(f)	Comb. SLE(freq.) 50	
51	SLE(f)	Comb. SLE(freq.) 51	
52	SLE(f)	Comb. SLE(freq.) 52	
53	SLE(p)	Comb. SLE(perm.) 53	
54	SLE(p)	Comb. SLE(perm.) 54	
55	SLU	Comb. SLU A1 (SLV sism.) 55	
56	SLU	Comb. SLU A1 (SLV sism.) 56	

Cmb	Tipo	Sigla Id	effetto P-delta
57	SLU	Comb. SLU A1 (SLV sism.) 57	
58	SLU	Comb. SLU A1 (SLV sism.) 58	
59	SLU	Comb. SLU A1 (SLV sism.) 59	
60	SLU	Comb. SLU A1 (SLV sism.) 60	
61	SLU	Comb. SLU A1 (SLV sism.) 61	
62	SLU	Comb. SLU A1 (SLV sism.) 62	
63	SLU	Comb. SLU A1 (SLV sism.) 63	
64	SLU	Comb. SLU A1 (SLV sism.) 64	
65	SLU	Comb. SLU A1 (SLV sism.) 65	
66	SLU	Comb. SLU A1 (SLV sism.) 66	
67	SLU	Comb. SLU A1 (SLV sism.) 67	
68	SLU	Comb. SLU A1 (SLV sism.) 68	
69	SLU	Comb. SLU A1 (SLV sism.) 69	
70	SLU	Comb. SLU A1 (SLV sism.) 70	
71	SLU	Comb. SLU A1 (SLV sism.) 71	
72	SLU	Comb. SLU A1 (SLV sism.) 72	
73	SLU	Comb. SLU A1 (SLV sism.) 73	
74	SLU	Comb. SLU A1 (SLV sism.) 74	
75	SLU	Comb. SLU A1 (SLV sism.) 75	
76	SLU	Comb. SLU A1 (SLV sism.) 76	
77	SLU	Comb. SLU A1 (SLV sism.) 77	
78	SLU	Comb. SLU A1 (SLV sism.) 78	
79	SLU	Comb. SLU A1 (SLV sism.) 79	
80	SLU	Comb. SLU A1 (SLV sism.) 80	
81	SLU	Comb. SLU A1 (SLV sism.) 81	
82	SLU	Comb. SLU A1 (SLV sism.) 82	
83	SLU	Comb. SLU A1 (SLV sism.) 83	
84	SLU	Comb. SLU A1 (SLV sism.) 84	
85	SLU	Comb. SLU A1 (SLV sism.) 85	
86	SLU	Comb. SLU A1 (SLV sism.) 86	
87	SLE(sis)	Comb. SLE (SLD Danno sism.) 87	
88	SLE(sis)	Comb. SLE (SLD Danno sism.) 88	
89	SLE(sis)	Comb. SLE (SLD Danno sism.) 89	
90	SLE(sis)	Comb. SLE (SLD Danno sism.) 90	
91	SLE(sis)	Comb. SLE (SLD Danno sism.) 91	
92	SLE(sis)	Comb. SLE (SLD Danno sism.) 92	
93	SLE(sis)	Comb. SLE (SLD Danno sism.) 93	
94	SLE(sis)	Comb. SLE (SLD Danno sism.) 94	
95	SLE(sis)	Comb. SLE (SLD Danno sism.) 95	
96	SLE(sis)	Comb. SLE (SLD Danno sism.) 96	
97	SLE(sis)	Comb. SLE (SLD Danno sism.) 97	
98	SLE(sis)	Comb. SLE (SLD Danno sism.) 98	
99	SLE(sis)	Comb. SLE (SLD Danno sism.) 99	
100	SLE(sis)	Comb. SLE (SLD Danno sism.) 100	
101	SLE(sis)	Comb. SLE (SLD Danno sism.) 101	
102	SLE(sis)	Comb. SLE (SLD Danno sism.) 102	
103	SLE(sis)	Comb. SLE (SLD Danno sism.) 103	
104	SLE(sis)	Comb. SLE (SLD Danno sism.) 104	
105	SLE(sis)	Comb. SLE (SLD Danno sism.) 105	
106	SLE(sis)	Comb. SLE (SLD Danno sism.) 106	
107	SLE(sis)	Comb. SLE (SLD Danno sism.) 107	
108	SLE(sis)	Comb. SLE (SLD Danno sism.) 108	
109	SLE(sis)	Comb. SLE (SLD Danno sism.) 109	
110	SLE(sis)	Comb. SLE (SLD Danno sism.) 110	
111	SLE(sis)	Comb. SLE (SLD Danno sism.) 111	
112	SLE(sis)	Comb. SLE (SLD Danno sism.) 112	
113	SLE(sis)	Comb. SLE (SLD Danno sism.) 113	
114	SLE(sis)	Comb. SLE (SLD Danno sism.) 114	
115	SLE(sis)	Comb. SLE (SLD Danno sism.) 115	
116	SLE(sis)	Comb. SLE (SLD Danno sism.) 116	
117	SLE(sis)	Comb. SLE (SLD Danno sism.) 117	
118	SLE(sis)	Comb. SLE (SLD Danno sism.) 118	

Cmb	CDC 1/15...	CDC 2/16...	CDC 3/17...	CDC 4/18...	CDC 5/19...	CDC 6/20...	CDC 7/21...	CDC 8/22...	CDC 9/23...	CDC 10/24...	CDC 11/25...	CDC 12/26...	CDC 13/27...	CDC 14/28...
1	1.30	1.30	1.50	1.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1.30	0.90	1.50	0.0										
2	1.30	1.30	1.50	1.50	0.0	0.75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1.30	0.90	1.50	0.0										
3	1.30	1.30	1.50	1.50	1.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1.30	0.90	1.50	0.0										

Cmb	CDC 1/15...	CDC 2/16...	CDC 3/17...	CDC 4/18...	CDC 5/19...	CDC 6/20...	CDC 7/21...	CDC 8/22...	CDC 9/23...	CDC 10/24...	CDC 11/25...	CDC 12/26...	CDC 13/27...	CDC 14/28...
4	1.30	1.30	1.50	1.50	1.50	0.75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1.30	0.90	1.50	0.0										
5	1.00	1.00	0.80	0.80	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1.00	0.90	0.80	0.0										
6	1.00	1.00	0.80	0.80	0.0	0.75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1.00	0.90	0.80	0.0										
7	1.00	1.00	0.80	0.80	1.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1.00	0.90	0.80	0.0										
8	1.00	1.00	0.80	0.80	1.50	0.75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1.00	0.90	0.80	0.0										
9	1.30	1.30	1.50	1.50	0.0	1.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1.30	0.90	1.50	0.0										
10	1.30	1.30	1.50	1.50	1.05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1.30	0.90	1.50	0.0										
11	1.30	1.30	1.50	1.50	1.05	1.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1.30	0.90	1.50	0.0										
12	1.00	1.00	0.80	0.80	0.0	1.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1.00	0.90	0.80	0.0										
13	1.00	1.00	0.80	0.80	1.05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1.00	0.90	0.80	0.0										
14	1.00	1.00	0.80	0.80	1.05	1.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1.00	0.90	0.80	0.0										
15	1.30	1.30	1.50	1.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1.30	1.50	1.50	0.0										
16	1.30	1.30	1.50	1.50	0.0	0.75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1.30	1.50	1.50	0.0										
17	1.30	1.30	1.50	1.50	1.05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1.30	1.50	1.50	0.0										
18	1.30	1.30	1.50	1.50	1.05	0.75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1.30	1.50	1.50	0.0										
19	1.00	1.00	0.80	0.80	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1.00	1.50	0.80	0.0										
20	1.00	1.00	0.80	0.80	0.0	0.75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1.00	1.50	0.80	0.0										
21	1.00	1.00	0.80	0.80	1.05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1.00	1.50	0.80	0.0										
22	1.00	1.00	0.80	0.80	1.05	0.75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1.00	1.50	0.80	0.0										
23	1.30	1.30	1.50	1.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1.30	0.90	1.50	1.50										
24	1.30	1.30	1.50	1.50	0.0	0.75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1.30	0.90	1.50	1.50										
25	1.30	1.30	1.50	1.50	1.05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1.30	0.90	1.50	1.50										
26	1.30	1.30	1.50	1.50	1.05	0.75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1.30	0.90	1.50	1.50										
27	1.00	1.00	0.80	0.80	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1.00	0.90	0.80	1.50										
28	1.00	1.00	0.80	0.80	0.0	0.75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1.00	0.90	0.80	1.50										
29	1.00	1.00	0.80	0.80	1.05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1.00	0.90	0.80	1.50										
30	1.00	1.00	0.80	0.80	1.05	0.75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1.00	0.90	0.80	1.50										
31	1.00	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1.00	0.60	1.00	0.0										
32	1.00	1.00	1.00	1.00	0.0	0.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1.00	0.60	1.00	0.0										
33	1.00	1.00	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1.00	0.60	1.00	0.0										
34	1.00	1.00	1.00	1.00	1.00	0.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1.00	0.60	1.00	0.0										
35	1.00	1.00	1.00	1.00	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1.00	0.60	1.00	0.0										
36	1.00	1.00	1.00	1.00	0.70	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1.00	0.60	1.00	0.0										
37	1.00	1.00	1.00	1.00	0.70	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1.00	0.60	1.00	0.0										
38	1.00	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1.00	1.00	1.00	0.0										
39	1.00	1.00	1.00	1.00	0.0	0.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1.00	1.00	1.00	0.0										
40	1.00	1.00	1.00	1.00	0.70	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Cmb	CDC 1/15...	CDC 2/16...	CDC 3/17...	CDC 4/18...	CDC 5/19...	CDC 6/20...	CDC 7/21...	CDC 8/22...	CDC 9/23...	CDC 10/24...	CDC 11/25...	CDC 12/26...	CDC 13/27...	CDC 14/28...
	1.00	1.00	1.00	0.0										
41	1.00	1.00	1.00	1.00	0.70	0.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1.00	1.00	1.00	0.0										
42	1.00	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1.00	0.60	1.00	1.00										
43	1.00	1.00	1.00	1.00	0.0	0.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1.00	0.60	1.00	1.00										
44	1.00	1.00	1.00	1.00	0.70	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1.00	0.60	1.00	1.00										
45	1.00	1.00	1.00	1.00	0.70	0.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1.00	0.60	1.00	1.00										
46	1.00	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1.00	0.0	1.00	0.0										
47	1.00	1.00	1.00	1.00	0.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1.00	0.0	1.00	0.0										
48	1.00	1.00	1.00	1.00	0.0	0.20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1.00	0.0	1.00	0.0										
49	1.00	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1.00	0.0	1.00	0.0										
50	1.00	1.00	1.00	1.00	0.30	0.20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1.00	0.0	1.00	0.0										
51	1.00	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1.00	0.20	1.00	0.0										
52	1.00	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1.00	0.20	1.00	0.0										
53	1.00	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1.00	0.0	1.00	0.0										
54	1.00	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1.00	0.0	1.00	0.0										
55	1.00	1.00	1.00	1.00	0.30	0.0	-1.00	0.0	-0.30	0.0	0.0	0.0	0.0	0.0
	1.00	0.0	1.00	0.0										
56	1.00	1.00	1.00	1.00	0.30	0.0	-1.00	0.0	0.30	0.0	0.0	0.0	0.0	0.0
	1.00	0.0	1.00	0.0										
57	1.00	1.00	1.00	1.00	0.30	0.0	1.00	0.0	-0.30	0.0	0.0	0.0	0.0	0.0
	1.00	0.0	1.00	0.0										
58	1.00	1.00	1.00	1.00	0.30	0.0	1.00	0.0	0.30	0.0	0.0	0.0	0.0	0.0
	1.00	0.0	1.00	0.0										
59	1.00	1.00	1.00	1.00	0.30	0.0	-1.00	0.0	0.0	-0.30	0.0	0.0	0.0	0.0
	1.00	0.0	1.00	0.0										
60	1.00	1.00	1.00	1.00	0.30	0.0	-1.00	0.0	0.0	0.30	0.0	0.0	0.0	0.0
	1.00	0.0	1.00	0.0										
61	1.00	1.00	1.00	1.00	0.30	0.0	1.00	0.0	0.0	-0.30	0.0	0.0	0.0	0.0
	1.00	0.0	1.00	0.0										
62	1.00	1.00	1.00	1.00	0.30	0.0	1.00	0.0	0.0	0.30	0.0	0.0	0.0	0.0
	1.00	0.0	1.00	0.0										
63	1.00	1.00	1.00	1.00	0.30	0.0	0.0	-1.00	-0.30	0.0	0.0	0.0	0.0	0.0
	1.00	0.0	1.00	0.0										
64	1.00	1.00	1.00	1.00	0.30	0.0	0.0	-1.00	0.30	0.0	0.0	0.0	0.0	0.0
	1.00	0.0	1.00	0.0										
65	1.00	1.00	1.00	1.00	0.30	0.0	0.0	1.00	-0.30	0.0	0.0	0.0	0.0	0.0
	1.00	0.0	1.00	0.0										
66	1.00	1.00	1.00	1.00	0.30	0.0	0.0	1.00	0.30	0.0	0.0	0.0	0.0	0.0
	1.00	0.0	1.00	0.0										
67	1.00	1.00	1.00	1.00	0.30	0.0	0.0	-1.00	0.0	-0.30	0.0	0.0	0.0	0.0
	1.00	0.0	1.00	0.0										
68	1.00	1.00	1.00	1.00	0.30	0.0	0.0	-1.00	0.0	0.30	0.0	0.0	0.0	0.0
	1.00	0.0	1.00	0.0										
69	1.00	1.00	1.00	1.00	0.30	0.0	0.0	1.00	0.0	-0.30	0.0	0.0	0.0	0.0
	1.00	0.0	1.00	0.0										
70	1.00	1.00	1.00	1.00	0.30	0.0	0.0	1.00	0.0	0.30	0.0	0.0	0.0	0.0
	1.00	0.0	1.00	0.0										
71	1.00	1.00	1.00	1.00	0.30	0.0	-0.30	0.0	-1.00	0.0	0.0	0.0	0.0	0.0
	1.00	0.0	1.00	0.0										
72	1.00	1.00	1.00	1.00	0.30	0.0	-0.30	0.0	1.00	0.0	0.0	0.0	0.0	0.0
	1.00	0.0	1.00	0.0										
73	1.00	1.00	1.00	1.00	0.30	0.0	0.30	0.0	-1.00	0.0	0.0	0.0	0.0	0.0
	1.00	0.0	1.00	0.0										
74	1.00	1.00	1.00	1.00	0.30	0.0	0.30	0.0	1.00	0.0	0.0	0.0	0.0	0.0
	1.00	0.0	1.00	0.0										
75	1.00	1.00	1.00	1.00	0.30	0.0	0.0	-0.30	-1.00	0.0	0.0	0.0	0.0	0.0
	1.00	0.0	1.00	0.0										
76	1.00	1.00	1.00	1.00	0.30	0.0	0.0	-0.30	1.00	0.0	0.0	0.0	0.0	0.0
	1.00	0.0	1.00	0.0										

Cmb	CDC 1/15...	CDC 2/16...	CDC 3/17...	CDC 4/18...	CDC 5/19...	CDC 6/20...	CDC 7/21...	CDC 8/22...	CDC 9/23...	CDC 10/24...	CDC 11/25...	CDC 12/26...	CDC 13/27...	CDC 14/28...
77	1.00	1.00	1.00	1.00	0.30	0.0	0.0	0.30	-1.00	0.0	0.0	0.0	0.0	0.0
	1.00	0.0	1.00	0.0										
78	1.00	1.00	1.00	1.00	0.30	0.0	0.0	0.30	1.00	0.0	0.0	0.0	0.0	0.0
	1.00	0.0	1.00	0.0										
79	1.00	1.00	1.00	1.00	0.30	0.0	-0.30	0.0	0.0	-1.00	0.0	0.0	0.0	0.0
	1.00	0.0	1.00	0.0										
80	1.00	1.00	1.00	1.00	0.30	0.0	-0.30	0.0	0.0	1.00	0.0	0.0	0.0	0.0
	1.00	0.0	1.00	0.0										
81	1.00	1.00	1.00	1.00	0.30	0.0	0.30	0.0	0.0	-1.00	0.0	0.0	0.0	0.0
	1.00	0.0	1.00	0.0										
82	1.00	1.00	1.00	1.00	0.30	0.0	0.30	0.0	0.0	1.00	0.0	0.0	0.0	0.0
	1.00	0.0	1.00	0.0										
83	1.00	1.00	1.00	1.00	0.30	0.0	0.0	-0.30	0.0	-1.00	0.0	0.0	0.0	0.0
	1.00	0.0	1.00	0.0										
84	1.00	1.00	1.00	1.00	0.30	0.0	0.0	-0.30	0.0	1.00	0.0	0.0	0.0	0.0
	1.00	0.0	1.00	0.0										
85	1.00	1.00	1.00	1.00	0.30	0.0	0.0	0.30	0.0	-1.00	0.0	0.0	0.0	0.0
	1.00	0.0	1.00	0.0										
86	1.00	1.00	1.00	1.00	0.30	0.0	0.0	0.30	0.0	1.00	0.0	0.0	0.0	0.0
	1.00	0.0	1.00	0.0										
87	1.00	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	-1.00	0.0	-0.30	0.0
	1.00	0.0	1.00	0.0										
88	1.00	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	-1.00	0.0	0.30	0.0
	1.00	0.0	1.00	0.0										
89	1.00	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	1.00	0.0	-0.30	0.0
	1.00	0.0	1.00	0.0										
90	1.00	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.30	0.0
	1.00	0.0	1.00	0.0										
91	1.00	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	-1.00	0.0	0.0	-0.30
	1.00	0.0	1.00	0.0										
92	1.00	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	-1.00	0.0	0.0	0.30
	1.00	0.0	1.00	0.0										
93	1.00	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	-0.30
	1.00	0.0	1.00	0.0										
94	1.00	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.30
	1.00	0.0	1.00	0.0										
95	1.00	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	-1.00	-0.30	0.0
	1.00	0.0	1.00	0.0										
96	1.00	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	-1.00	0.30	0.0
	1.00	0.0	1.00	0.0										
97	1.00	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	1.00	-0.30	0.0
	1.00	0.0	1.00	0.0										
98	1.00	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.30	0.0
	1.00	0.0	1.00	0.0										
99	1.00	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	-1.00	0.0	-0.30
	1.00	0.0	1.00	0.0										
100	1.00	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	-1.00	0.0	0.30
	1.00	0.0	1.00	0.0										
101	1.00	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	-0.30
	1.00	0.0	1.00	0.0										
102	1.00	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.30
	1.00	0.0	1.00	0.0										
103	1.00	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	-0.30	0.0	-1.00	0.0
	1.00	0.0	1.00	0.0										
104	1.00	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	-0.30	0.0	1.00	0.0
	1.00	0.0	1.00	0.0										
105	1.00	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.30	0.0	-1.00	0.0
	1.00	0.0	1.00	0.0										
106	1.00	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.30	0.0	1.00	0.0
	1.00	0.0	1.00	0.0										
107	1.00	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	-0.30	-1.00	0.0
	1.00	0.0	1.00	0.0										
108	1.00	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	-0.30	1.00	0.0
	1.00	0.0	1.00	0.0										
109	1.00	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.30	-1.00	0.0
	1.00	0.0	1.00	0.0										
110	1.00	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.30	1.00	0.0
	1.00	0.0	1.00	0.0										
111	1.00	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	-0.30	0.0	0.0	-1.00
	1.00	0.0	1.00	0.0										
112	1.00	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	-0.30	0.0	0.0	1.00
	1.00	0.0	1.00	0.0										
113	1.00	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.30	0.0	0.0	-1.00

Cmb	CDC 1/15...	CDC 2/16...	CDC 3/17...	CDC 4/18...	CDC 5/19...	CDC 6/20...	CDC 7/21...	CDC 8/22...	CDC 9/23...	CDC 10/24...	CDC 11/25...	CDC 12/26...	CDC 13/27...	CDC 14/28...
	1.00	0.0	1.00	0.0										
114	1.00	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.30	0.0	0.0	1.00
	1.00	0.0	1.00	0.0										
115	1.00	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	-0.30	0.0	-1.00
	1.00	0.0	1.00	0.0										
116	1.00	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	-0.30	0.0	1.00
	1.00	0.0	1.00	0.0										
117	1.00	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.30	0.0	-1.00
	1.00	0.0	1.00	0.0										
118	1.00	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.30	0.0	1.00
	1.00	0.0	1.00	0.0										

AZIONE SISMICA

VALUTAZIONE DELL' AZIONE SISMICA

L'azione sismica sulle costruzioni è valutata a partire dalla "pericolosità sismica di base", in condizioni ideali di sito di riferimento rigido con superficie topografica orizzontale.

Allo stato attuale, la pericolosità sismica su reticolo di riferimento nell'intervallo di riferimento è fornita dai dati pubblicati sul sito <http://esse1.mi.ingv.it/>. Per punti non coincidenti con il reticolo di riferimento e periodi di ritorno non contemplati direttamente si opera come indicato nell' allegato alle NTC (rispettivamente media pesata e interpolazione).

L' azione sismica viene definita in relazione ad un periodo di riferimento V_r che si ricava, per ciascun tipo di costruzione, moltiplicandone la vita nominale per il coefficiente d'uso (vedi tabella Parametri della struttura). Fissato il periodo di riferimento V_r e la probabilità di superamento P_{ver} associata a ciascuno degli stati limite considerati, si ottiene il periodo di ritorno T_r e i relativi parametri di pericolosità sismica (vedi tabella successiva):

a_g : accelerazione orizzontale massima del terreno;

F_o : valore massimo del fattore di amplificazione dello spettro in accelerazione orizzontale;

T^*c : periodo di inizio del tratto a velocità costante dello spettro in accelerazione orizzontale;

Parametri della struttura					
Classe d'uso	Vita V_n [anni]	Coeff. Uso	Periodo V_r [anni]	Tipo di suolo	Categoria topografica
III	50.0	1.5	75.0	C	T1

Individuati su reticolo di riferimento i parametri di pericolosità sismica si valutano i parametri spettrali riportati in tabella:

S è il coefficiente che tiene conto della categoria di sottosuolo e delle condizioni topografiche mediante la relazione seguente $S = S_s \cdot S_t$ (3.2.3)

F_o è il fattore che quantifica l'amplificazione spettrale massima, su sito di riferimento rigido orizzontale

F_v è il fattore che quantifica l'amplificazione spettrale massima verticale, in termini di accelerazione orizzontale massima del terreno a_g su sito di riferimento rigido orizzontale

T_b è il periodo corrispondente all'inizio del tratto dello spettro ad accelerazione costante.

T_c è il periodo corrispondente all'inizio del tratto dello spettro a velocità costante.

T_d è il periodo corrispondente all'inizio del tratto dello spettro a spostamento costante.

Lo spettro di risposta elastico in accelerazione della componente orizzontale del moto sismico, S_e , è definito dalle seguenti espressioni:

$$\begin{aligned} 0 \leq T < T_b & \quad S_e(T) = a_g \cdot S \cdot \eta \cdot F_o \cdot \left[\frac{T}{T_b} + \frac{1}{\eta \cdot F_o} \left(1 - \frac{T}{T_b} \right) \right] \\ T_b \leq T < T_c & \quad S_e(T) = a_g \cdot S \cdot \eta \cdot F_o \\ T_c \leq T < T_d & \quad S_e(T) = a_g \cdot S \cdot \eta \cdot F_o \cdot \left(\frac{T_c}{T} \right) \\ T_d \leq T & \quad S_e(T) = a_g \cdot S \cdot \eta \cdot F_o \cdot \left(\frac{T_c \cdot T_d}{T^2} \right) \end{aligned}$$

Dove per sottosuolo di categoria **A** i coefficienti S_s e C_c valgono 1; mentre per le categorie di sottosuolo B, C, D, E i coefficienti S_s e C_c vengono calcolati mediante le espressioni riportate nella seguente Tabella

Categoria sottosuolo	S_s	C_c
A	1,00	1,00
B	$1,00 \leq 1,40 - 0,40 \cdot F_o \cdot \frac{a_g}{g} \leq 1,20$	$1,10 \cdot (T_c^*)^{-0,20}$
C	$1,00 \leq 1,70 - 0,60 \cdot F_o \cdot \frac{a_g}{g} \leq 1,50$	$1,05 \cdot (T_c^*)^{-0,33}$
D	$0,90 \leq 2,40 - 1,50 \cdot F_o \cdot \frac{a_g}{g} \leq 1,80$	$1,25 \cdot (T_c^*)^{-0,50}$
E	$1,00 \leq 2,00 - 1,10 \cdot F_o \cdot \frac{a_g}{g} \leq 1,60$	$1,15 \cdot (T_c^*)^{-0,40}$

Per tenere conto delle condizioni topografiche e in assenza di specifiche analisi di risposta sismica locale, si utilizzano i valori del coefficiente topografico S_T riportati nella seguente Tabella

Categoria topografica	Ubicazione dell'opera o dell'intervento	S_T
T1	-	1,0
T2	In corrispondenza della sommità del pendio	1,2
T3	In corrispondenza della cresta di un rilievo con pendenza media minore o uguale a 30°	1,2
T4	In corrispondenza della cresta di un rilievo con pendenza media maggiore di 30°	1,4

Lo spettro di risposta elastico in accelerazione della componente verticale del moto sismico, S_{ve} , è definito dalle espressioni:

$$\begin{aligned}
 0 \leq T < T_B & \quad S_{ve}(T) = a_g \cdot S \cdot \eta \cdot F_v \cdot \left[\frac{T}{T_B} + \frac{1}{\eta \cdot F_o} \left(1 - \frac{T}{T_B} \right) \right] \\
 T_B \leq T < T_C & \quad S_{ve}(T) = a_g \cdot S \cdot \eta \cdot F_v \\
 T_C \leq T < T_D & \quad S_{ve}(T) = a_g \cdot S \cdot \eta \cdot F_v \cdot \left(\frac{T_C}{T} \right) \\
 T_D \leq T & \quad S_{ve}(T) = a_g \cdot S \cdot \eta \cdot F_v \cdot \left(\frac{T_C \cdot T_D}{T^2} \right)
 \end{aligned}$$

I valori di S_s , T_B , T_C e T_D , sono riportati nella seguente Tabella

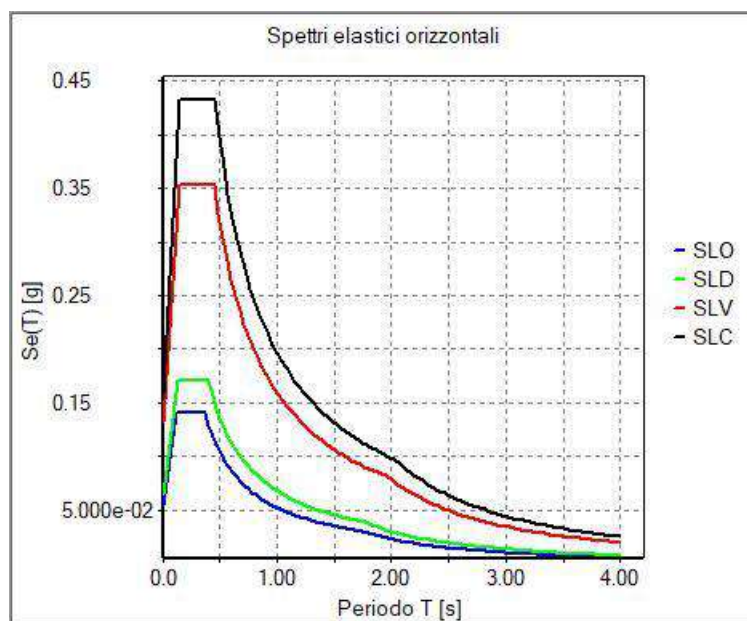
Categoria di sottosuolo	S_s	T_B	T_C	T_D
A, B, C, D, E	1,0	0,05 s	0,15 s	1,0 s

Id nodo	Longitudine	Latitudine	Distanza
			Km
Loc.	10.611	43.160	
22713	10.611	43.149	1.336
22714	10.680	43.151	5.634
22492	10.678	43.201	6.969
22491	10.609	43.199	4.240

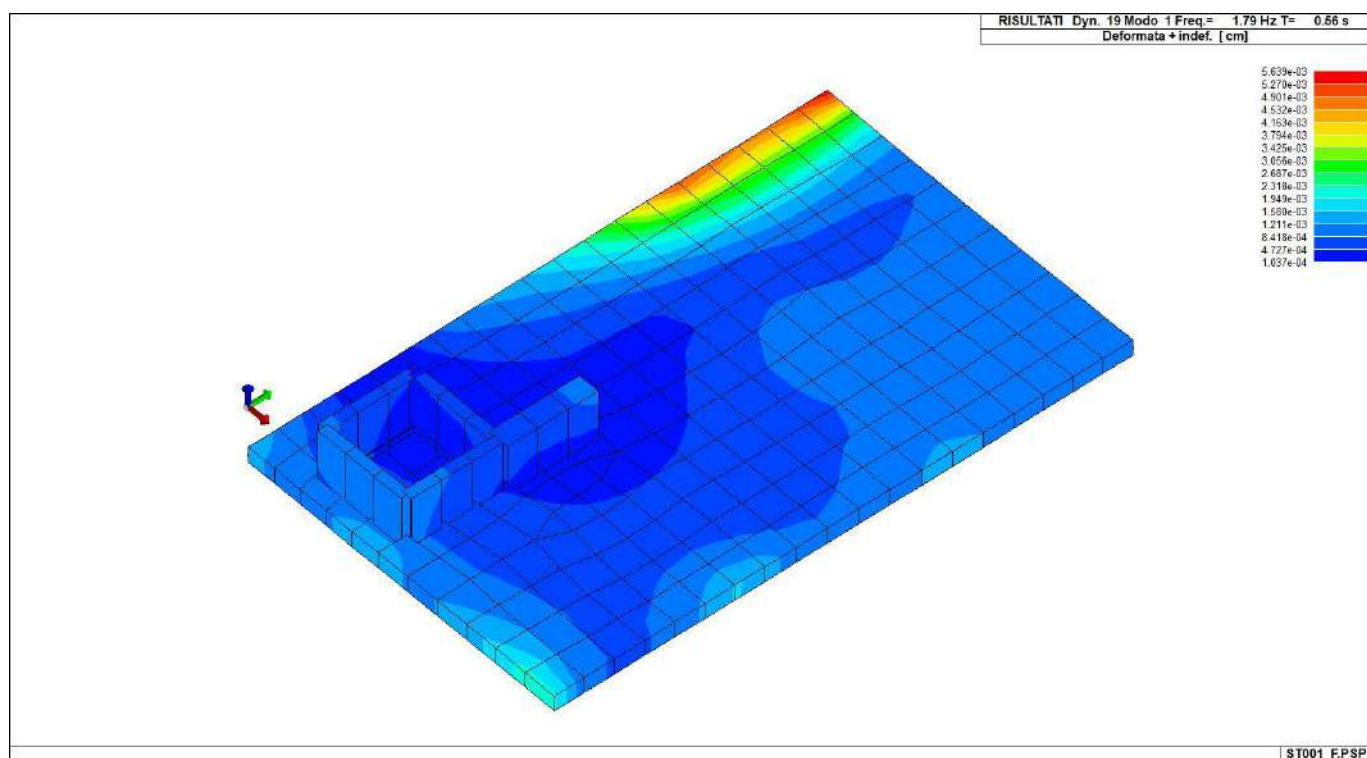
SL	Pver	Tr	ag	Fo	T*c
		Anni	g		sec
SLO	81.0	45.2	0.036	2.600	0.211
SLD	63.0	75.4	0.043	2.616	0.237
SLV	10.0	711.8	0.088	2.689	0.283
SLC	5.0	1462.2	0.106	2.719	0.288

SL	ag	S	Fo	Fv	Tb	Tc	Td
	g				sec	sec	sec
SLO	0.036	1.500	2.600	0.668	0.123	0.370	1.745
SLD	0.043	1.500	2.616	0.736	0.133	0.400	1.774
SLV	0.088	1.500	2.689	1.075	0.150	0.451	1.951
SLC	0.106	1.500	2.719	1.196	0.152	0.456	2.024

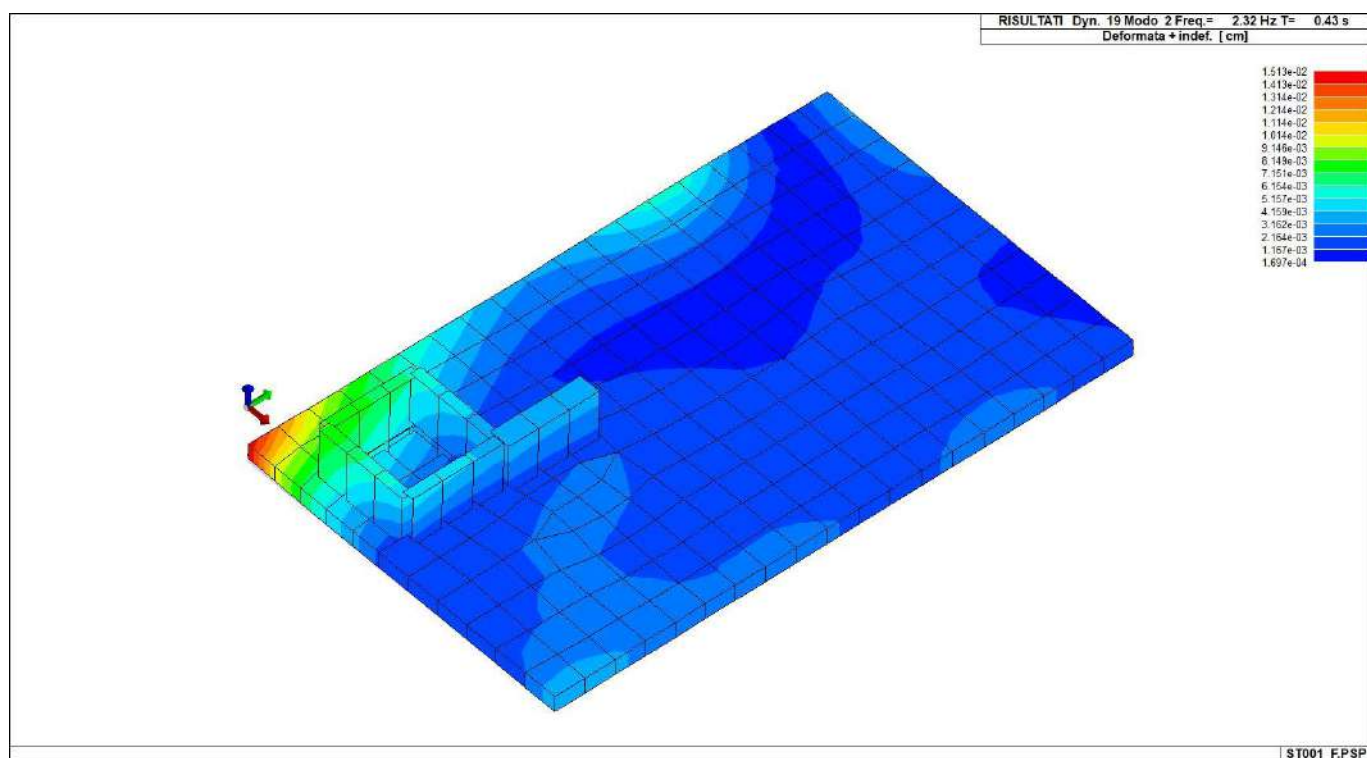
Modo	Frequenza	Periodo	X M efficace x g	%	Y M efficace x g	%	Z M efficace x g	%	RZ M efficace x g	%
	1/sec	sec	daN		daN		daN		daN m2	
1	1.79	0.56	4942.5	16	7545.8	24	1.3	0	71.0	87
2	2.32	0.43	1.767e+04	58	6432.9	21	0.1	0	2.0	2
3	3.04	0.33	3067.9	10	5971.4	19	2.6	0	0.2	0
4	4.52	0.22	135.9	0	358.9	1	0.1	0	0.1	0
5	4.68	0.21	193.2	0	158.5	0	3.7	0	0.2	0
6	4.73	0.21	281.1	0	588.5	1	7.3	0	0.2	0



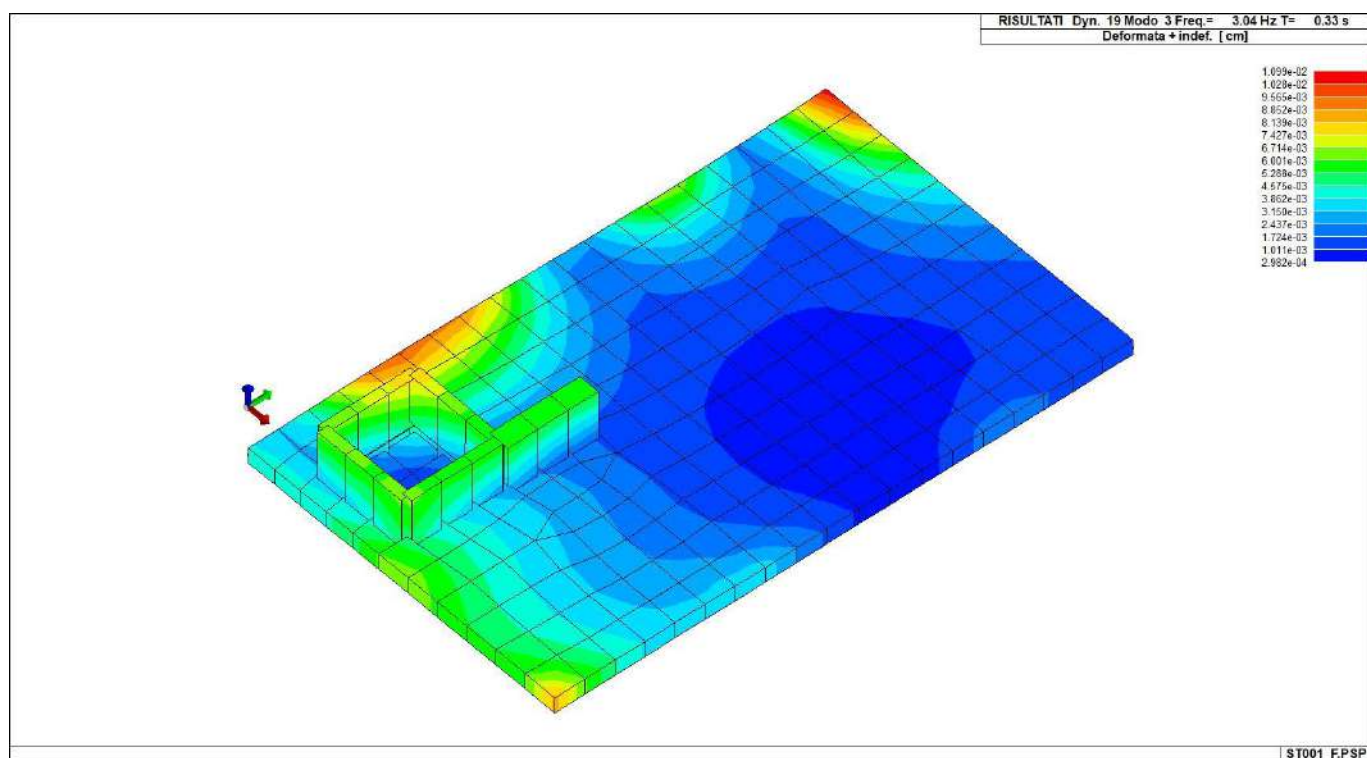
24_DIA_SPETTRI_ELASTICI_O



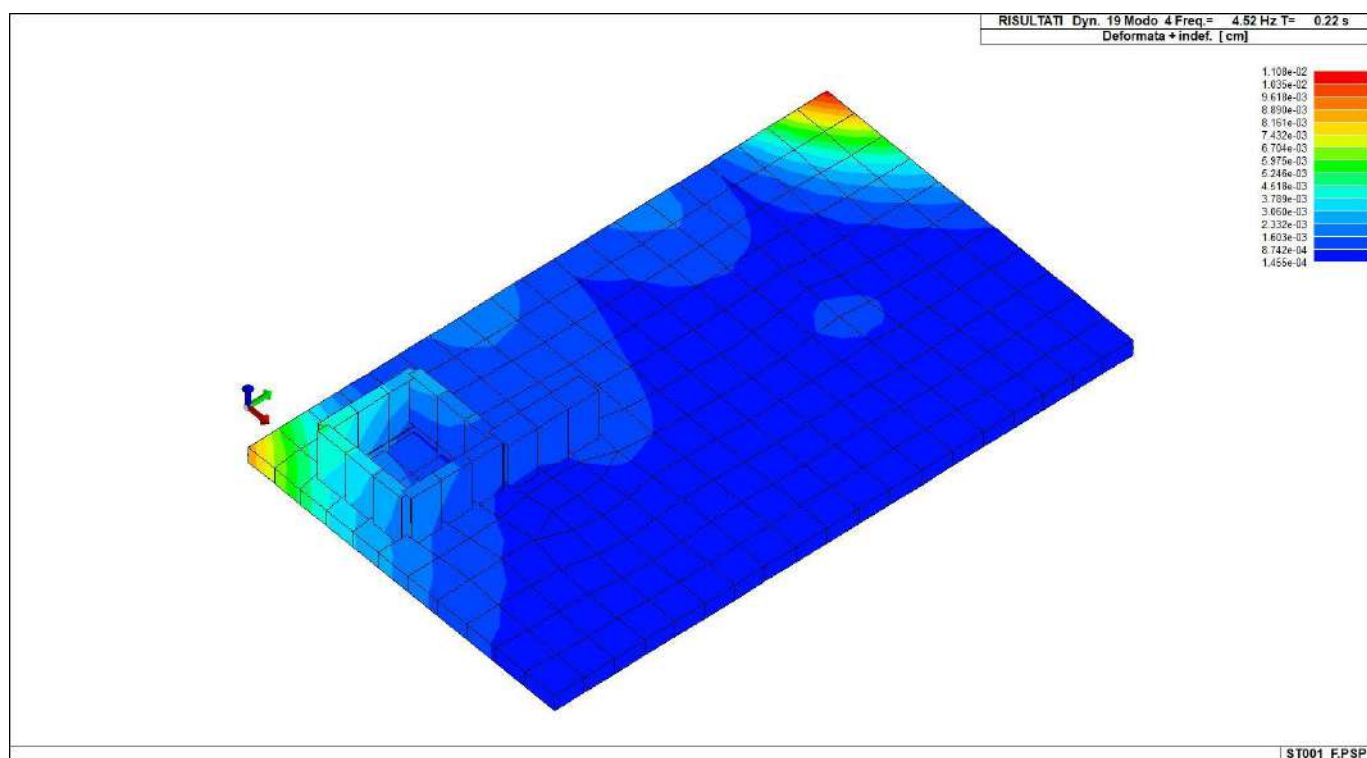
24_INPSIS_001_FORME MODALI



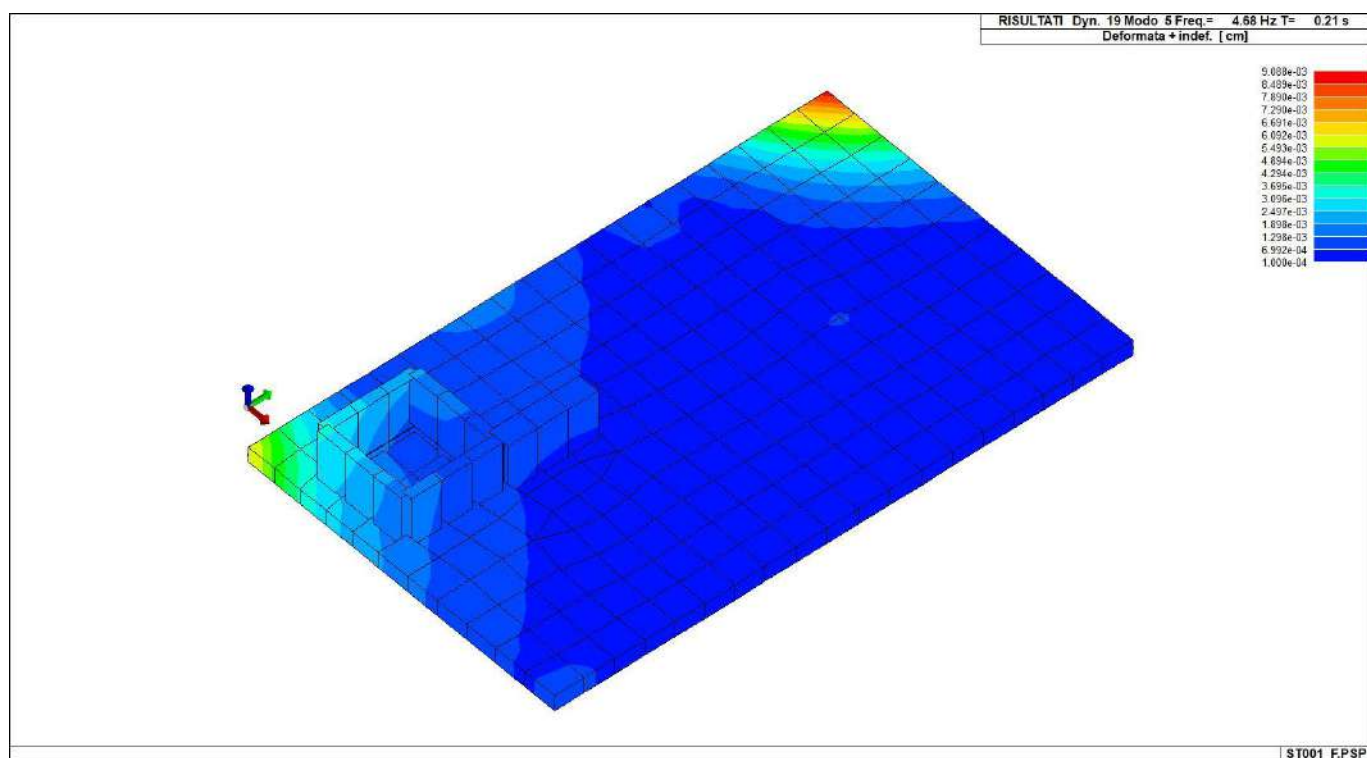
24_INPSIS_002_FORME MODALI



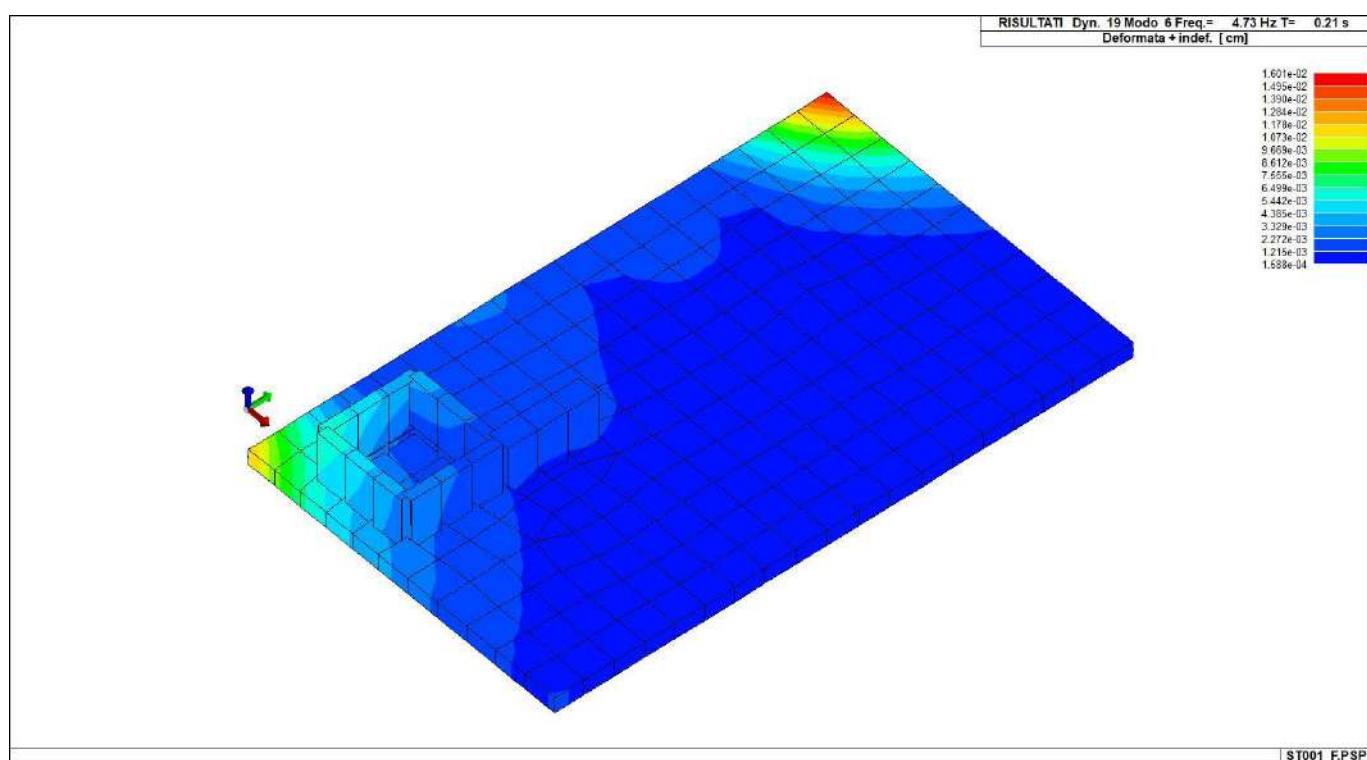
24_INPSIS_003_FORME MODALI



24_INPSIS_004_FORME MODALI



24_INPSIS_005_FORME MODALI



24_INPSIS_006_FORME MODALI

RISULTATI ANALISI SISMICHE

LEGENDA TABELLA ANALISI SISMICHE

Il programma consente l'analisi di diverse configurazioni sismiche.

Sono previsti, infatti, i seguenti casi di carico:

9. Esk caso di carico sismico con analisi statica equivalente

10. Edk caso di carico sismico con analisi dinamica

Ciascun caso di carico è caratterizzato da un angolo di ingresso e da una configurazione di masse determinante la forza sismica complessiva (si rimanda al capitolo relativo ai casi di carico per chiarimenti inerenti questo aspetto).

Nella colonna Note, in funzione della norma in uso sono riportati i parametri fondamentali che caratterizzano l'azione sismica: in particolare possono essere presenti i seguenti valori:

Angolo di ingresso	di	Angolo di ingresso dell'azione sismica orizzontale
Fattore di importanza	di	Fattore di importanza dell'edificio, in base alla categoria di appartenenza
Zona sismica		Zona sismica
Accelerazione	ag	Accelerazione orizzontale massima sul suolo
Categoria suolo		Categoria di profilo stratigrafico del suolo di fondazione
Fattore q		Fattore di struttura/di comportamento. Dipendente dalla tipologia strutturale
Amplificazione ND		Coefficiente di amplificazione q/q_{ND} delle azioni sismiche (solo per elementi progettati in campo non dissipativo)
Fattore di sito S		Fattore dipendente dalla stratigrafia e dal profilo topografico
Classe di duttilità CD		Classe di duttilità della struttura – "A" duttilità alta, "B" duttilità bassa
Fattore di riduzione SLD	riduz.	Fattore di riduzione dello spettro elastico per lo stato limite di danno
Periodo proprio T1	proprio	Periodo proprio di vibrazione della struttura
Coefficiente Lambda		Coefficiente dipendente dal periodo proprio T1 e dal numero di piani della struttura
Ordinata spettro Sd(T1)	spettro	Valore delle ordinate dello spettro di progetto per lo stato limite ultimo, componente orizzontale (verticale Svd)
Ordinata spettro Se(T1)	spettro	Valore delle ordinate dello spettro elastico ridotta del fattore SLD per lo stato limite di danno, componente orizzontale (verticale Sve)
Ordinata spettro S (Tb-Tc)	spettro	Valore dell'ordinata dello spettro in uso nel tratto costante
N° di modi considerati	modi	Numero di modi di vibrare della struttura considerati nell'analisi dinamica

Nel caso di elementi progettati in campo non dissipativo vengono adottate le sollecitazioni calcolate con un fattore q_{ND} ricavato come da 7.3.2 in funzione del fattore di comportamento q utilizzato per la struttura: $1 < q_{ND} = 2/3 * q < 1.5$

Il coefficiente di amplificazione delle azioni sismiche rispetto alle azioni calcolate con il fattore di comportamento globale viene indicato nelle relative tabelle.

Per ciascun caso di carico sismico viene riportato l'insieme di dati sotto riportati (le masse sono espresse in unità di

forza):

- a) analisi sismica statica equivalente:
 - quota, posizione del centro di applicazione e azione orizzontale risultante, posizione del baricentro delle rigidezze, rapporto r/L_s (per strutture a nucleo), indici di regolarità e/r secondo EC8 4.2.3.2
 - azione sismica complessiva
- b) analisi sismica dinamica con spettro di risposta:
 - quota, posizione del centro di massa e massa risultante, posizione del baricentro delle rigidezze, rapporto r/L_s (per strutture a nucleo), indici di regolarità e/r secondo EC8 4.2.3.2
 - frequenza, periodo, accelerazione spettrale, massa eccitata nelle tre direzioni globali per tutti i modi
 - massa complessiva ed aliquota di massa complessiva eccitata.

Per ciascuna combinazione sismica definita SLD o SLO viene riportato il livello di deformazione ϵ_{dT} (dr) degli elementi strutturali verticali. Per semplicità di consultazione il livello è espresso anche in unità $1000 \cdot \epsilon_{dT}/h$ da confrontare direttamente con i valori forniti nella norma (es. 5 per tamponature fragili, 7.5 per tamponature duttili, 10.0 per edifici con tamponamenti collegati elasticamente, 2 per edifici in muratura ordinaria, 3 per edifici in muratura armata, 2.5 per edifici in muratura confinata).

Note:

- I valori riportati sono già amplificati per un eventuale fattore q_{SLD}
- Per SLO i valori devono essere inferiori ai $2/3$ dei limiti sopra citati

Per gli edifici sismicamente isolati si riportano di seguito le verifiche condotte sui dispositivi di isolamento. Le verifiche sono effettuate secondo la circolare n.7/2019 del C.S.LL.PP nelle combinazioni in SLC come previsto dal DM 17-01-2018. Per ogni combinazione è riportato il codice di verifica ed i valori utilizzati per la verifica: spostamento dE , area ridotta e dimensione A_2 , azione verticale, deformazioni di taglio dell'elastomero e tensioni nell'acciaio.

In particolare la tabella, per ogni combinazione di calcolo, riporta:

Nodo	Nodo di appoggio dell' isolatore
Cmb	Combinazione oggetto della verifica
Verif.	Codice di verifica ok – verifica positiva , NV – verifica negativa, ND – verifica non completata
dE	Spostamento relativo tra le due facce combinato con la regola del 30%
Ang fi	Angolo utilizzato per il calcolo dell' area ridotta A_r (per dispositivi circolari)
V	Azione verticale agente
A_r	Area ridotta efficace
Dim A_2	Dimensione utile per il calcolo della deformazione per rotazione
Sig s	Tensione nell' inserto in acciaio
Gam c(a,s,t)	Deformazioni di taglio dell' elastomero
Vcr	Carico critico per instabilità

Affinché la verifica sia positiva deve essere:

- 1) $V > 0$
- 2) $\text{Sig s} < f_{yk}$
- 3) $\text{Gam t} < 5$
- 4) $\text{Gam s} < \text{Gam}^*$ (caratteristica dell' elastomero)
- 5) $\text{Gam s} < 2$
- 6) $V < 0.5 V_{cr}$

CDC	Tipo	Sigla Id	Note
7	Edk	CDC=Ed (dinamico SLU) alfa=0.0 (ecc. +)	
			categoria suolo: C
			fattore di sito $S = 1.500$
			ordinata spettro (tratto T_b-T_c) = 0.354 g
			angolo di ingresso:0.0

CDC	Tipo	Sigla Id	Note
			eccentricità aggiuntiva: positiva
			periodo proprio T1: 0.436 s
			fattore q: 1.000
			amplificazione ND (non dissipativi): 1.000
			fattore per spost. μ d: 1.000
			classe di duttilità CD: B
			numero di modi considerati: 20
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
m	daN	m	m	m	m	m	m			
8.60	1.042e+04	2.99	5.49	0.0	-0.54	2.55	4.16	1.094	0.068	0.346
7.60	1222.55	4.01	6.95	0.0	-0.35	3.76	6.97	1.235	0.048	0.005
7.23	267.82	2.06	1.54	0.0	-0.09	2.41	1.89	1.323	0.256	0.423
5.87	249.60	2.00	1.55	0.0	-0.09	2.41	1.89	1.323	0.295	0.409
4.50	1.422e+04	3.14	3.58	0.0	-0.54	2.55	4.16	1.094	0.092	0.153
3.00	286.67	2.06	1.55	0.0	-0.09	2.41	1.89	1.323	0.253	0.418
2.59	1935.75	1.41	7.17	0.0	-0.07	1.40	8.05	0.844	0.004	1.055
1.50	256.97	2.06	1.53	0.0	-0.09	2.41	1.89	1.323	0.256	0.443
0.86	1527.52	0.66	3.08	0.0	-0.09	0.07	3.04	1.838	0.407	0.049
Risulta	3.039e+04									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	daN		daN		daN			
1	1.869	0.535	0.298	1875.82	6.2	1.014e+04	33.4	1.51	4.95e-03	0.0	0.0
2	2.291	0.436	0.354	2.261e+04	74.4	2606.28	8.6	0.01	3.42e-05	0.0	0.0
3	3.038	0.329	0.354	1221.04	4.0	7272.87	23.9	2.48	8.17e-03	0.0	0.0
4	4.360	0.229	0.354	114.99	0.4	217.97	0.7	3.46e-03	1.14e-05	0.0	0.0
5	4.508	0.222	0.354	125.55	0.4	72.45	0.2	1.75	5.75e-03	0.0	0.0
6	4.573	0.219	0.354	405.59	1.3	456.13	1.5	5.99	1.97e-02	0.0	0.0
7	4.824	0.207	0.354	0.03	1.09e-04	732.18	2.4	4.12	1.36e-02	0.0	0.0
8	4.887	0.205	0.354	85.17	0.3	2614.47	8.6	10.87	3.58e-02	0.0	0.0
9	5.850	0.171	0.354	0.75	2.47e-03	2739.06	9.0	5.20	1.71e-02	0.0	0.0
10	6.269	0.160	0.354	14.36	4.73e-02	707.92	2.3	11.12	3.66e-02	0.0	0.0
11	7.849	0.127	0.320	1607.84	5.3	65.76	0.2	0.27	8.89e-04	0.0	0.0
12	7.932	0.126	0.318	283.72	0.9	585.32	1.9	2.27	7.48e-03	0.0	0.0
13	9.843	0.102	0.282	12.60	4.15e-02	97.20	0.3	8.10	2.66e-02	0.0	0.0
14	10.042	0.100	0.279	3.90	1.28e-02	3.54	1.17e-02	1081.27	3.6	0.0	0.0
15	10.744	0.093	0.269	507.27	1.7	11.61	3.82e-02	0.29	9.66e-04	0.0	0.0
16	12.191	0.082	0.253	0.18	5.92e-04	59.82	0.2	53.58	0.2	0.0	0.0
17	12.587	0.079	0.249	14.76	4.86e-02	0.03	8.30e-05	0.11	3.47e-04	0.0	0.0
18	12.932	0.077	0.246	0.50	1.66e-03	279.08	0.9	8.61	2.83e-02	0.0	0.0
19	13.289	0.075	0.243	0.60	1.99e-03	49.27	0.2	2.82	9.29e-03	0.0	0.0
20	14.714	0.068	0.232	4.06e-03	1.33e-05	243.09	0.8	42.75	0.1	0.0	0.0
Risulta				2.888e+04		2.895e+04		1243.12			
In percentuale				95.02		95.27		4.09			

CDC	Tipo	Sigla Id	Note
8	Edk	CDC=Ed (dinamico SLU) alfa=0.0 (ecc. -)	
			categoria suolo: C
			fattore di sito S = 1.500
			ordinata spettro (tratto Tb-Tc) = 0.354 g
			angolo di ingresso: 0.0
			eccentricità aggiuntiva: negativa
			periodo proprio T1: 0.427 s
			fattore q: 1.000
			amplificazione ND (non dissipativi): 1.000
			fattore per spost. μ d: 1.000
			classe di duttilità CD: B
			numero di modi considerati: 20
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
m	daN	m	m	m	m	m	m			
8.60	1.042e+04	2.99	5.49	0.0	0.54	2.55	4.16	1.094	0.068	0.346
7.60	1222.55	4.01	6.95	0.0	0.35	3.76	6.97	1.235	0.048	0.005
7.23	267.82	2.06	1.54	0.0	0.09	2.41	1.89	1.323	0.256	0.423
5.87	249.60	2.00	1.55	0.0	0.09	2.41	1.89	1.323	0.295	0.409
4.50	1.422e+04	3.14	3.58	0.0	0.54	2.55	4.16	1.094	0.092	0.153
3.00	286.67	2.06	1.55	0.0	0.09	2.41	1.89	1.323	0.253	0.418
2.59	1935.75	1.41	7.17	0.0	0.07	1.40	8.05	0.844	0.004	1.055
1.50	256.97	2.06	1.53	0.0	0.09	2.41	1.89	1.323	0.256	0.443
0.86	1527.52	0.66	3.08	0.0	0.09	0.07	3.04	1.838	0.407	0.049
Risulta	3.039e+04									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	daN		daN		daN			
1	1.716	0.583	0.274	7755.98	25.5	5641.98	18.6	1.06	3.47e-03	0.0	0.0
2	2.343	0.427	0.354	1.289e+04	42.4	1.012e+04	33.3	0.47	1.54e-03	0.0	0.0
3	3.115	0.321	0.354	5016.86	16.5	4137.21	13.6	2.38	7.84e-03	0.0	0.0
4	4.693	0.213	0.354	162.50	0.5	809.94	2.7	1.23	4.04e-03	0.0	0.0
5	4.858	0.206	0.354	217.83	0.7	900.06	3.0	13.72	4.51e-02	0.0	0.0
6	4.903	0.204	0.354	1.90	6.24e-03	1049.76	3.5	7.32	2.41e-02	0.0	0.0
7	4.980	0.201	0.354	443.33	1.5	1315.69	4.3	3.66	1.20e-02	0.0	0.0
8	5.240	0.191	0.354	24.01	7.90e-02	10.66	3.51e-02	6.30e-03	2.07e-05	0.0	0.0
9	5.820	0.172	0.354	25.80	8.49e-02	3302.10	10.9	8.39	2.76e-02	0.0	0.0
10	6.632	0.151	0.354	94.23	0.3	611.49	2.0	2.95	9.71e-03	0.0	0.0
11	7.868	0.127	0.320	781.31	2.6	212.60	0.7	0.57	1.87e-03	0.0	0.0
12	8.354	0.120	0.309	405.15	1.3	36.26	0.1	7.58	2.49e-02	0.0	0.0
13	8.992	0.111	0.296	1032.29	3.4	22.83	7.51e-02	0.62	2.05e-03	0.0	0.0
14	9.864	0.101	0.282	0.23	7.71e-04	98.82	0.3	11.35	3.73e-02	0.0	0.0
15	10.025	0.100	0.279	0.04	1.20e-04	7.60	2.50e-02	1068.83	3.5	0.0	0.0
16	12.190	0.082	0.253	0.13	4.38e-04	66.81	0.2	55.89	0.2	0.0	0.0
17	12.827	0.078	0.247	1.73	5.70e-03	162.64	0.5	7.66	2.52e-02	0.0	0.0
18	13.156	0.076	0.244	0.82	2.70e-03	131.91	0.4	0.35	1.15e-03	0.0	0.0
19	14.281	0.070	0.235	5.68	1.87e-02	65.52	0.2	0.59	1.94e-03	0.0	0.0
20	14.662	0.068	0.233	4.82	1.58e-02	241.61	0.8	9.12	3.00e-02	0.0	0.0
Risulta				2.886e+04		2.894e+04		1203.73			
In percentuale				94.97		95.23		3.96			

CDC	Tipo	Sigla Id	Note
9	Edk	CDC=Ed (dinamico SLU) alfa=90.00 (ecc. +)	
			categoria suolo: C
			fattore di sito S = 1.500
			ordinata spettro (tratto Tb-Tc) = 0.354 g
			angolo di ingresso:90.00
			eccentricità aggiuntiva: positiva
			periodo proprio T1: 0.574 s
			fattore q: 1.000
			amplificazione ND (non dissipativi): 1.000
			fattore per spost. mu d: 1.000
			classe di duttilità CD: B
			numero di modi considerati: 20
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
m	daN	m	m	m	m	m	m			
8.60	1.042e+04	2.99	5.49	0.33	0.0	2.55	4.16	1.094	0.068	0.346
7.60	1222.55	4.01	6.95	0.33	0.0	3.76	6.97	1.235	0.048	0.005
7.23	267.82	2.06	1.54	0.09	0.0	2.41	1.89	1.323	0.256	0.423
5.87	249.60	2.00	1.55	0.09	0.0	2.41	1.89	1.323	0.295	0.409
4.50	1.422e+04	3.14	3.58	0.33	0.0	2.55	4.16	1.094	0.092	0.153
3.00	286.67	2.06	1.55	0.09	0.0	2.41	1.89	1.323	0.253	0.418

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
2.59	1935.75	1.41	7.17	0.14	0.0	1.40	8.05	0.844	0.004	1.055
1.50	256.97	2.06	1.53	0.09	0.0	2.41	1.89	1.323	0.256	0.443
0.86	1527.52	0.66	3.08	0.07	0.0	0.07	3.04	1.838	0.407	0.049
Risulta	3.039e+04									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	daN		daN		daN			
1	1.741	0.574	0.278	3694.06	12.2	9674.00	31.8	1.24	4.09e-03	0.0	0.0
2	2.283	0.438	0.354	1.859e+04	61.2	5690.74	18.7	0.04	1.44e-04	0.0	0.0
3	3.028	0.330	0.354	3393.37	11.2	4792.60	15.8	2.05	6.76e-03	0.0	0.0
4	4.523	0.221	0.354	127.88	0.4	219.76	0.7	0.03	8.98e-05	0.0	0.0
5	4.679	0.214	0.354	185.53	0.6	50.66	0.2	2.83	9.30e-03	0.0	0.0
6	4.739	0.211	0.354	353.74	1.2	253.01	0.8	6.30	2.07e-02	0.0	0.0
7	4.967	0.201	0.354	62.52	0.2	1951.63	6.4	18.35	6.04e-02	0.0	0.0
8	5.035	0.199	0.354	51.91	0.2	262.98	0.9	1.69	5.57e-03	0.0	0.0
9	5.599	0.179	0.354	5.72	1.88e-02	3608.59	11.9	1.23	4.04e-03	0.0	0.0
10	6.407	0.156	0.354	59.88	0.2	1115.89	3.7	7.01	2.31e-02	0.0	0.0
11	7.835	0.128	0.321	447.00	1.5	588.39	1.9	2.07	6.81e-03	0.0	0.0
12	8.342	0.120	0.309	1291.86	4.3	126.50	0.4	0.33	1.08e-03	0.0	0.0
13	9.256	0.108	0.292	582.98	1.9	39.62	0.1	15.00	4.94e-02	0.0	0.0
14	9.700	0.103	0.284	12.04	3.96e-02	40.82	0.1	76.58	0.3	0.0	0.0
15	10.009	0.100	0.280	0.92	3.04e-03	6.03e-04	1.98e-06	989.92	3.3	0.0	0.0
16	12.128	0.082	0.254	0.26	8.72e-04	77.21	0.3	36.52	0.1	0.0	0.0
17	12.446	0.080	0.251	1.78	5.84e-03	35.56	0.1	3.84	1.26e-02	0.0	0.0
18	13.200	0.076	0.244	2.67	8.78e-03	258.68	0.9	0.05	1.70e-04	0.0	0.0
19	13.466	0.074	0.242	8.12	2.67e-02	94.40	0.3	0.12	4.01e-04	0.0	0.0
20	15.176	0.066	0.229	0.10	3.39e-04	123.06	0.4	713.92	2.3	0.0	0.0
Risulta				2.887e+04		2.900e+04		1879.13			
In percentuale				94.99		95.43		6.18			

CDC	Tipo	Sigla Id	Note
10	Edk	CDC=Ed (dinamico SLU) alfa=90.00 (ecc. -)	
			categoria suolo: C
			fattore di sito S = 1.500
			ordinata spettro (tratto Tb-Tc) = 0.354 g
			angolo di ingresso:90.00
			eccentricità aggiuntiva: negativa
			periodo proprio T1: 0.326 s
			fattore q: 1.000
			amplificazione ND (non dissipativi): 1.000
			fattore per spost. mu d: 1.000
			classe di duttilità CD: B
			numero di modi considerati: 20
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
m	daN	m	m	m	m	m	m			
8.60	1.042e+04	2.99	5.49	-0.33	0.0	2.55	4.16	1.094	0.068	0.346
7.60	1222.55	4.01	6.95	-0.33	0.0	3.76	6.97	1.235	0.048	0.005
7.23	267.82	2.06	1.54	-0.09	0.0	2.41	1.89	1.323	0.256	0.423
5.87	249.60	2.00	1.55	-0.09	0.0	2.41	1.89	1.323	0.295	0.409
4.50	1.422e+04	3.14	3.58	-0.33	0.0	2.55	4.16	1.094	0.092	0.153
3.00	286.67	2.06	1.55	-0.09	0.0	2.41	1.89	1.323	0.253	0.418
2.59	1935.75	1.41	7.17	-0.14	0.0	1.40	8.05	0.844	0.004	1.055
1.50	256.97	2.06	1.53	-0.09	0.0	2.41	1.89	1.323	0.256	0.443
0.86	1527.52	0.66	3.08	-0.07	0.0	0.07	3.04	1.838	0.407	0.049
Risulta	3.039e+04									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	daN		daN		daN			
1	1.845	0.542	0.294	6543.33	21.5	5436.81	17.9	1.28	4.23e-03	0.0	0.0
2	2.363	0.423	0.354	1.647e+04	54.2	6995.12	23.0	0.22	7.38e-04	0.0	0.0
3	3.065	0.326	0.354	2668.66	8.8	7588.83	25.0	3.30	1.09e-02	0.0	0.0
4	4.516	0.221	0.354	148.23	0.5	570.79	1.9	0.35	1.17e-03	0.0	0.0
5	4.673	0.214	0.354	213.17	0.7	539.28	1.8	6.36	2.09e-02	0.0	0.0
6	4.721	0.212	0.354	131.48	0.4	990.32	3.3	6.83	2.25e-02	0.0	0.0
7	4.862	0.206	0.354	248.00	0.8	2576.63	8.5	6.15	2.02e-02	0.0	0.0
8	5.030	0.199	0.354	32.76	0.1	52.16	0.2	8.67e-03	2.85e-05	0.0	0.0
9	6.094	0.164	0.354	13.63	4.48e-02	2933.67	9.7	17.21	5.66e-02	0.0	0.0
10	6.589	0.152	0.354	66.83	0.2	122.65	0.4	3.02	9.94e-03	0.0	0.0
11	7.945	0.126	0.318	626.12	2.1	139.56	0.5	2.26e-03	7.42e-06	0.0	0.0
12	8.363	0.120	0.309	1103.79	3.6	61.61	0.2	0.20	6.44e-04	0.0	0.0
13	9.275	0.108	0.291	588.25	1.9	56.48	0.2	14.01	4.61e-02	0.0	0.0
14	9.985	0.100	0.280	2.98	9.81e-03	44.80	0.1	350.32	1.2	0.0	0.0
15	10.139	0.099	0.278	1.94	6.39e-03	80.94	0.3	727.63	2.4	0.0	0.0
16	12.234	0.082	0.253	0.07	2.15e-04	66.25	0.2	89.36	0.3	0.0	0.0
17	12.688	0.079	0.248	0.11	3.72e-04	159.61	0.5	0.95	3.14e-03	0.0	0.0
18	13.288	0.075	0.243	11.10	3.65e-02	106.70	0.4	5.97	1.96e-02	0.0	0.0
19	13.648	0.073	0.240	1.85	6.10e-03	53.55	0.2	8.74	2.87e-02	0.0	0.0
20	14.331	0.070	0.235	0.20	6.45e-04	283.36	0.9	21.30	7.01e-02	0.0	0.0
Risulta				2.887e+04		2.886e+04		1263.23			
In percentuale				94.99		94.95		4.16			

CDC	Tipo	Sigla Id	Note
11	Edk	CDC=Ed (dinamico SLD) alfa=0.0 (ecc. +)	
			categoria suolo: C
			fattore di sito S = 1.500
			ordinata spettro (tratto Tb-Tc) = 0.170 g
			angolo di ingresso:0.0
			eccentricità aggiuntiva: positiva
			periodo proprio T1: 0.436 s
			numero di modi considerati: 20
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
m	daN	m	m	m	m	m	m			
8.60	1.042e+04	2.99	5.49	0.0	-0.54	2.55	4.16	1.094	0.068	0.346
7.60	1222.55	4.01	6.95	0.0	-0.35	3.76	6.97	1.235	0.048	0.005
7.23	267.82	2.06	1.54	0.0	-0.09	2.41	1.89	1.323	0.256	0.423
5.87	249.60	2.00	1.55	0.0	-0.09	2.41	1.89	1.323	0.295	0.409
4.50	1.422e+04	3.14	3.58	0.0	-0.54	2.55	4.16	1.094	0.092	0.153
3.00	286.67	2.06	1.55	0.0	-0.09	2.41	1.89	1.323	0.253	0.418
2.59	1935.75	1.41	7.17	0.0	-0.07	1.40	8.05	0.844	0.004	1.055
1.50	256.97	2.06	1.53	0.0	-0.09	2.41	1.89	1.323	0.256	0.443
0.86	1527.52	0.66	3.08	0.0	-0.09	0.07	3.04	1.838	0.407	0.049
Risulta	3.039e+04									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	daN		daN		daN			
1	1.869	0.535	0.127	1875.82	6.2	1.014e+04	33.4	1.51	4.95e-03	0.0	0.0
2	2.291	0.436	0.156	2.261e+04	74.4	2606.28	8.6	0.01	3.42e-05	0.0	0.0
3	3.038	0.329	0.170	1221.04	4.0	7272.87	23.9	2.48	8.17e-03	0.0	0.0
4	4.360	0.229	0.170	114.99	0.4	217.97	0.7	3.46e-03	1.14e-05	0.0	0.0
5	4.508	0.222	0.170	125.55	0.4	72.45	0.2	1.75	5.75e-03	0.0	0.0
6	4.573	0.219	0.170	405.59	1.3	456.13	1.5	5.99	1.97e-02	0.0	0.0
7	4.824	0.207	0.170	0.03	1.09e-04	732.18	2.4	4.12	1.36e-02	0.0	0.0
8	4.887	0.205	0.170	85.17	0.3	2614.47	8.6	10.87	3.58e-02	0.0	0.0
9	5.850	0.171	0.170	0.75	2.47e-03	2739.06	9.0	5.20	1.71e-02	0.0	0.0
10	6.269	0.160	0.170	14.36	4.73e-02	707.92	2.3	11.12	3.66e-02	0.0	0.0
11	7.849	0.127	0.166	1607.84	5.3	65.76	0.2	0.27	8.89e-04	0.0	0.0
12	7.932	0.126	0.165	283.72	0.9	585.32	1.9	2.27	7.48e-03	0.0	0.0

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
13	9.843	0.102	0.145	12.60	4.15e-02	97.20	0.3	8.10	2.66e-02	0.0	0.0
14	10.042	0.100	0.144	3.90	1.28e-02	3.54	1.17e-02	1081.27	3.6	0.0	0.0
15	10.744	0.093	0.139	507.27	1.7	11.61	3.82e-02	0.29	9.66e-04	0.0	0.0
16	12.191	0.082	0.130	0.18	5.92e-04	59.82	0.2	53.58	0.2	0.0	0.0
17	12.587	0.079	0.128	14.76	4.86e-02	0.03	8.30e-05	0.11	3.47e-04	0.0	0.0
18	12.932	0.077	0.126	0.50	1.66e-03	279.08	0.9	8.61	2.83e-02	0.0	0.0
19	13.289	0.075	0.125	0.60	1.99e-03	49.27	0.2	2.82	9.29e-03	0.0	0.0
20	14.714	0.068	0.119	4.06e-03	1.33e-05	243.09	0.8	42.75	0.1	0.0	0.0
Risulta				2.888e+04		2.895e+04		1243.12			
In percentuale				95.02		95.27		4.09			

CDC	Tipo	Sigla Id	Note
12	Edk	CDC=Ed (dinamico SLD) alfa=0.0 (ecc. -)	
			categoria suolo: C
			fattore di sito S = 1.500
			ordinata spettro (tratto Tb-Tc) = 0.170 g
			angolo di ingresso:0.0
			eccentricità aggiuntiva: negativa
			periodo proprio T1: 0.427 s
			numero di modi considerati: 20
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
m	daN	m	m	m	m	m	m			
8.60	1.042e+04	2.99	5.49	0.0	0.54	2.55	4.16	1.094	0.068	0.346
7.60	1222.55	4.01	6.95	0.0	0.35	3.76	6.97	1.235	0.048	0.005
7.23	267.82	2.06	1.54	0.0	0.09	2.41	1.89	1.323	0.256	0.423
5.87	249.60	2.00	1.55	0.0	0.09	2.41	1.89	1.323	0.295	0.409
4.50	1.422e+04	3.14	3.58	0.0	0.54	2.55	4.16	1.094	0.092	0.153
3.00	286.67	2.06	1.55	0.0	0.09	2.41	1.89	1.323	0.253	0.418
2.59	1935.75	1.41	7.17	0.0	0.07	1.40	8.05	0.844	0.004	1.055
1.50	256.97	2.06	1.53	0.0	0.09	2.41	1.89	1.323	0.256	0.443
0.86	1527.52	0.66	3.08	0.0	0.09	0.07	3.04	1.838	0.407	0.049
Risulta	3.039e+04									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	daN		daN		daN			
1	1.716	0.583	0.117	7755.98	25.5	5641.98	18.6	1.06	3.47e-03	0.0	0.0
2	2.343	0.427	0.160	1.289e+04	42.4	1.012e+04	33.3	0.47	1.54e-03	0.0	0.0
3	3.115	0.321	0.170	5016.86	16.5	4137.21	13.6	2.38	7.84e-03	0.0	0.0
4	4.693	0.213	0.170	162.50	0.5	809.94	2.7	1.23	4.04e-03	0.0	0.0
5	4.858	0.206	0.170	217.83	0.7	900.06	3.0	13.72	4.51e-02	0.0	0.0
6	4.903	0.204	0.170	1.90	6.24e-03	1049.76	3.5	7.32	2.41e-02	0.0	0.0
7	4.980	0.201	0.170	443.33	1.5	1315.69	4.3	3.66	1.20e-02	0.0	0.0
8	5.240	0.191	0.170	24.01	7.90e-02	10.66	3.51e-02	6.30e-03	2.07e-05	0.0	0.0
9	5.820	0.172	0.170	25.80	8.49e-02	3302.10	10.9	8.39	2.76e-02	0.0	0.0
10	6.632	0.151	0.170	94.23	0.3	611.49	2.0	2.95	9.71e-03	0.0	0.0
11	7.868	0.127	0.166	781.31	2.6	212.60	0.7	0.57	1.87e-03	0.0	0.0
12	8.354	0.120	0.160	405.15	1.3	36.26	0.1	7.58	2.49e-02	0.0	0.0
13	8.992	0.111	0.153	1032.29	3.4	22.83	7.51e-02	0.62	2.05e-03	0.0	0.0
14	9.864	0.101	0.145	0.23	7.71e-04	98.82	0.3	11.35	3.73e-02	0.0	0.0
15	10.025	0.100	0.144	0.04	1.20e-04	7.60	2.50e-02	1068.83	3.5	0.0	0.0
16	12.190	0.082	0.130	0.13	4.38e-04	66.81	0.2	55.89	0.2	0.0	0.0
17	12.827	0.078	0.127	1.73	5.70e-03	162.64	0.5	7.66	2.52e-02	0.0	0.0
18	13.156	0.076	0.125	0.82	2.70e-03	131.91	0.4	0.35	1.15e-03	0.0	0.0
19	14.281	0.070	0.120	5.68	1.87e-02	65.52	0.2	0.59	1.94e-03	0.0	0.0
20	14.662	0.068	0.119	4.82	1.58e-02	241.61	0.8	9.12	3.00e-02	0.0	0.0
Risulta				2.886e+04		2.894e+04		1203.73			
In percentuale				94.97		95.23		3.96			

CDC	Tipo	Sigla Id	Note
13	Edk	CDC=Ed (dinamico SLD) alfa=90.00 (ecc. +)	
			categoria suolo: C
			fattore di sito S = 1.500
			ordinata spettro (tratto Tb-Tc) = 0.170 g
			angolo di ingresso:90.00
			eccentricità aggiuntiva: positiva
			periodo proprio T1: 0.574 s
			numero di modi considerati: 20
			combinaz. modale: CQC

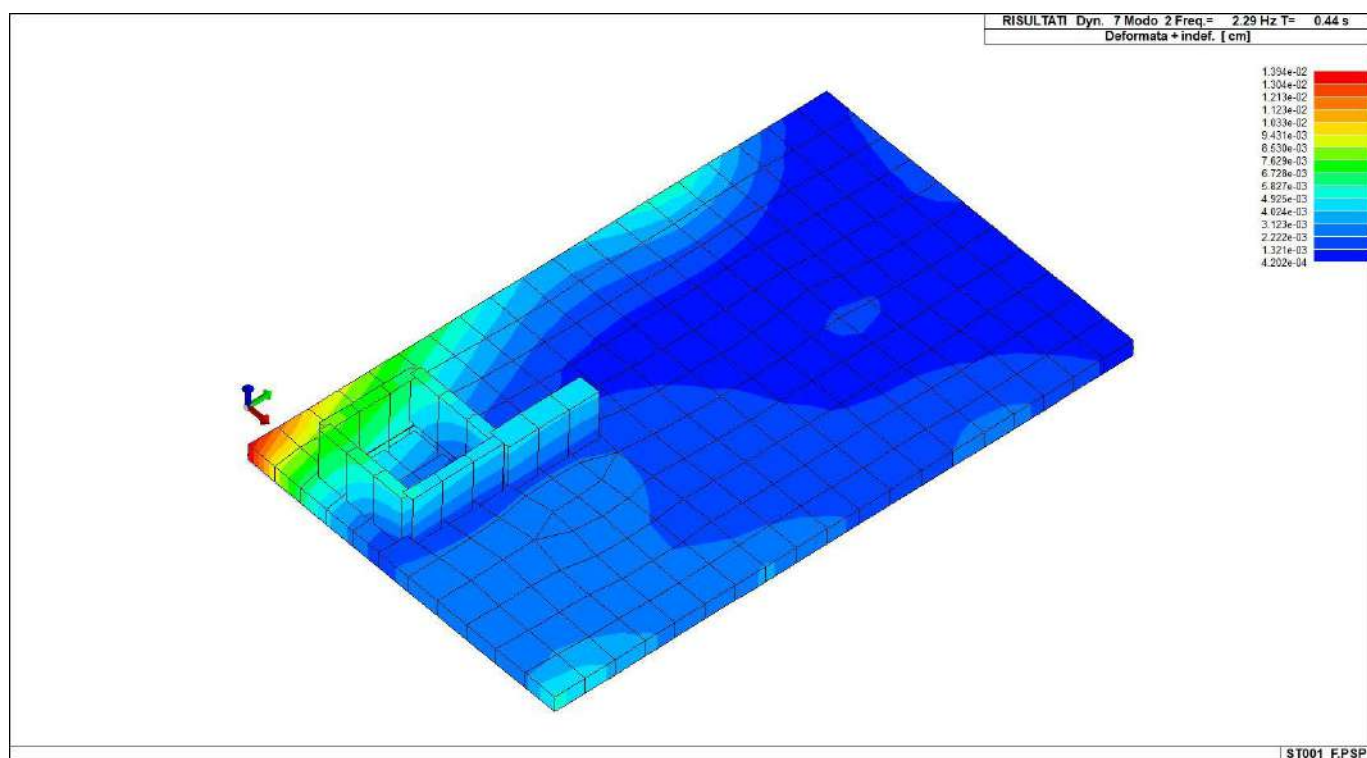
Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
m	daN	m	m	m	m	m	m			
8.60	1.042e+04	2.99	5.49	0.33	0.0	2.55	4.16	1.094	0.068	0.346
7.60	1222.55	4.01	6.95	0.33	0.0	3.76	6.97	1.235	0.048	0.005
7.23	267.82	2.06	1.54	0.09	0.0	2.41	1.89	1.323	0.256	0.423
5.87	249.60	2.00	1.55	0.09	0.0	2.41	1.89	1.323	0.295	0.409
4.50	1.422e+04	3.14	3.58	0.33	0.0	2.55	4.16	1.094	0.092	0.153
3.00	286.67	2.06	1.55	0.09	0.0	2.41	1.89	1.323	0.253	0.418
2.59	1935.75	1.41	7.17	0.14	0.0	1.40	8.05	0.844	0.004	1.055
1.50	256.97	2.06	1.53	0.09	0.0	2.41	1.89	1.323	0.256	0.443
0.86	1527.52	0.66	3.08	0.07	0.0	0.07	3.04	1.838	0.407	0.049
Risulta	3.039e+04									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	daN		daN		daN			
1	1.741	0.574	0.119	3694.06	12.2	9674.00	31.8	1.24	4.09e-03	0.0	0.0
2	2.283	0.438	0.156	1.859e+04	61.2	5690.74	18.7	0.04	1.44e-04	0.0	0.0
3	3.028	0.330	0.170	3393.37	11.2	4792.60	15.8	2.05	6.76e-03	0.0	0.0
4	4.523	0.221	0.170	127.88	0.4	219.76	0.7	0.03	8.98e-05	0.0	0.0
5	4.679	0.214	0.170	185.53	0.6	50.66	0.2	2.83	9.30e-03	0.0	0.0
6	4.739	0.211	0.170	353.74	1.2	253.01	0.8	6.30	2.07e-02	0.0	0.0
7	4.967	0.201	0.170	62.52	0.2	1951.63	6.4	18.35	6.04e-02	0.0	0.0
8	5.035	0.199	0.170	51.91	0.2	262.98	0.9	1.69	5.57e-03	0.0	0.0
9	5.599	0.179	0.170	5.72	1.88e-02	3608.59	11.9	1.23	4.04e-03	0.0	0.0
10	6.407	0.156	0.170	59.88	0.2	1115.89	3.7	7.01	2.31e-02	0.0	0.0
11	7.835	0.128	0.166	447.00	1.5	588.39	1.9	2.07	6.81e-03	0.0	0.0
12	8.342	0.120	0.160	1291.86	4.3	126.50	0.4	0.33	1.08e-03	0.0	0.0
13	9.256	0.108	0.151	582.98	1.9	39.62	0.1	15.00	4.94e-02	0.0	0.0
14	9.700	0.103	0.147	12.04	3.96e-02	40.82	0.1	76.58	0.3	0.0	0.0
15	10.009	0.100	0.144	0.92	3.04e-03	6.03e-04	1.98e-06	989.92	3.3	0.0	0.0
16	12.128	0.082	0.130	0.26	8.72e-04	77.21	0.3	36.52	0.1	0.0	0.0
17	12.446	0.080	0.129	1.78	5.84e-03	35.56	0.1	3.84	1.26e-02	0.0	0.0
18	13.200	0.076	0.125	2.67	8.78e-03	258.68	0.9	0.05	1.70e-04	0.0	0.0
19	13.466	0.074	0.124	8.12	2.67e-02	94.40	0.3	0.12	4.01e-04	0.0	0.0
20	15.176	0.066	0.117	0.10	3.39e-04	123.06	0.4	713.92	2.3	0.0	0.0
Risulta				2.887e+04		2.900e+04		1879.13			
In percentuale				94.99		95.43		6.18			

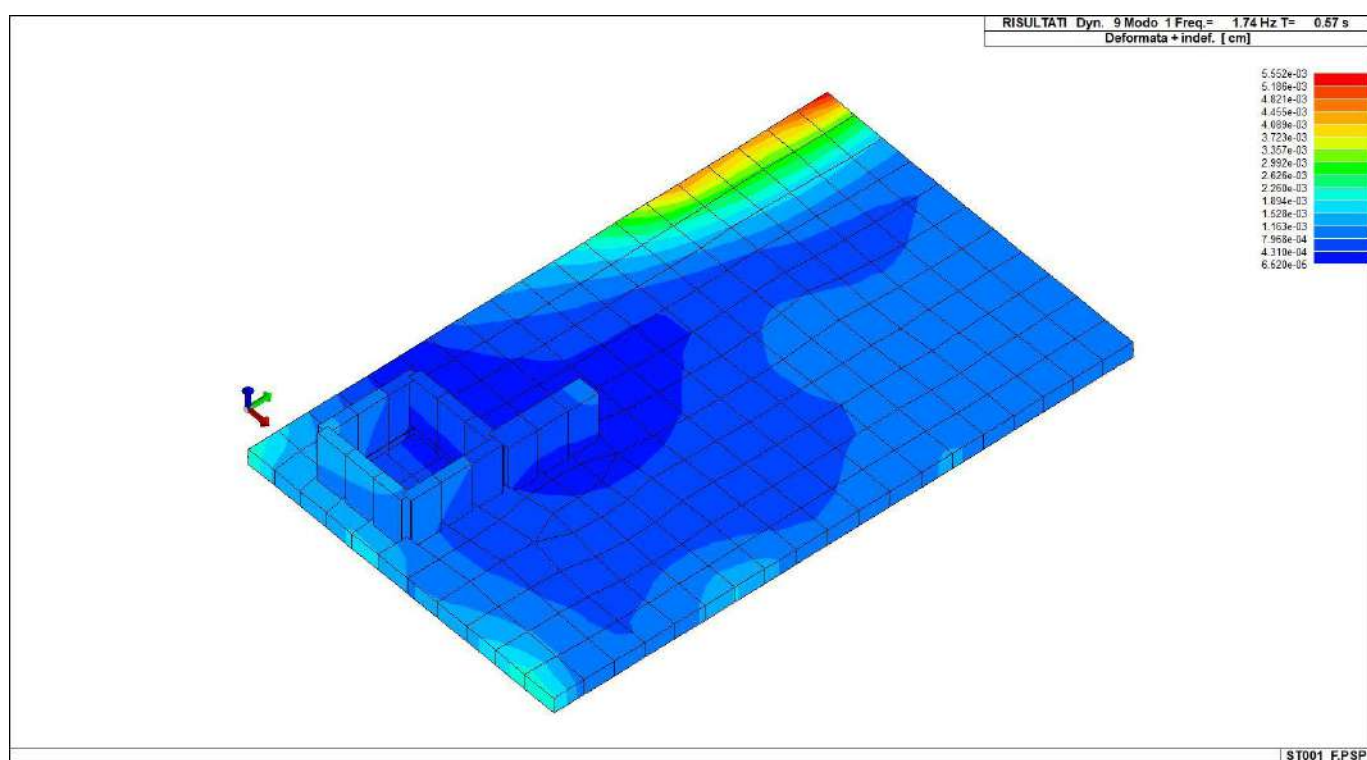
CDC	Tipo	Sigla Id	Note
14	Edk	CDC=Ed (dinamico SLD) alfa=90.00 (ecc. -)	
			categoria suolo: C
			fattore di sito S = 1.500
			ordinata spettro (tratto Tb-Tc) = 0.170 g
			angolo di ingresso:90.00
			eccentricità aggiuntiva: negativa
			periodo proprio T1: 0.326 s
			numero di modi considerati: 20
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
m	daN	m	m	m	m	m	m			
8.60	1.042e+04	2.99	5.49	-0.33	0.0	2.55	4.16	1.094	0.068	0.346
7.60	1222.55	4.01	6.95	-0.33	0.0	3.76	6.97	1.235	0.048	0.005
7.23	267.82	2.06	1.54	-0.09	0.0	2.41	1.89	1.323	0.256	0.423
5.87	249.60	2.00	1.55	-0.09	0.0	2.41	1.89	1.323	0.295	0.409
4.50	1.422e+04	3.14	3.58	-0.33	0.0	2.55	4.16	1.094	0.092	0.153
3.00	286.67	2.06	1.55	-0.09	0.0	2.41	1.89	1.323	0.253	0.418
2.59	1935.75	1.41	7.17	-0.14	0.0	1.40	8.05	0.844	0.004	1.055
1.50	256.97	2.06	1.53	-0.09	0.0	2.41	1.89	1.323	0.256	0.443
0.86	1527.52	0.66	3.08	-0.07	0.0	0.07	3.04	1.838	0.407	0.049
Risulta	3.039e+04									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	daN		daN		daN			
1	1.845	0.542	0.126	6543.33	21.5	5436.81	17.9	1.28	4.23e-03	0.0	0.0
2	2.363	0.423	0.161	1.647e+04	54.2	6995.12	23.0	0.22	7.38e-04	0.0	0.0
3	3.065	0.326	0.170	2668.66	8.8	7588.83	25.0	3.30	1.09e-02	0.0	0.0
4	4.516	0.221	0.170	148.23	0.5	570.79	1.9	0.35	1.17e-03	0.0	0.0
5	4.673	0.214	0.170	213.17	0.7	539.28	1.8	6.36	2.09e-02	0.0	0.0
6	4.721	0.212	0.170	131.48	0.4	990.32	3.3	6.83	2.25e-02	0.0	0.0
7	4.862	0.206	0.170	248.00	0.8	2576.63	8.5	6.15	2.02e-02	0.0	0.0
8	5.030	0.199	0.170	32.76	0.1	52.16	0.2	8.67e-03	2.85e-05	0.0	0.0
9	6.094	0.164	0.170	13.63	4.48e-02	2933.67	9.7	17.21	5.66e-02	0.0	0.0
10	6.589	0.152	0.170	66.83	0.2	122.65	0.4	3.02	9.94e-03	0.0	0.0
11	7.945	0.126	0.165	626.12	2.1	139.56	0.5	2.26e-03	7.42e-06	0.0	0.0
12	8.363	0.120	0.160	1103.79	3.6	61.61	0.2	0.20	6.44e-04	0.0	0.0
13	9.275	0.108	0.150	588.25	1.9	56.48	0.2	14.01	4.61e-02	0.0	0.0
14	9.985	0.100	0.144	2.98	9.81e-03	44.80	0.1	350.32	1.2	0.0	0.0
15	10.139	0.099	0.143	1.94	6.39e-03	80.94	0.3	727.63	2.4	0.0	0.0
16	12.234	0.082	0.130	0.07	2.15e-04	66.25	0.2	89.36	0.3	0.0	0.0
17	12.688	0.079	0.127	0.11	3.72e-04	159.61	0.5	0.95	3.14e-03	0.0	0.0
18	13.288	0.075	0.125	11.10	3.65e-02	106.70	0.4	5.97	1.96e-02	0.0	0.0
19	13.648	0.073	0.123	1.85	6.10e-03	53.55	0.2	8.74	2.87e-02	0.0	0.0
20	14.331	0.070	0.120	0.20	6.45e-04	283.36	0.9	21.30	7.01e-02	0.0	0.0
Risulta				2.887e+04		2.886e+04		1263.23			
In percentuale				94.99		94.95		4.16			



31_RIS_MODALOX_002_CDCEd dinamico SLU alfa00 ecc +



31_RIS_MODALOY_001_CDCEd dinamico SLU alfa9000 ecc +

RISULTATI NODALI

LEGENDA RISULTATI NODALI

Il controllo dei risultati delle analisi condotte, per quanto concerne i nodi strutturali, è possibile in relazione alle tabelle sottoriportate.

Una prima tabella riporta infatti per ogni nodo e per ogni combinazione (o caso di carico) gli spostamenti nodali.

Una seconda tabella riporta per ogni nodo a cui sia associato un vincolo rigido e/o elastico o una fondazione speciale e per ogni combinazione (o caso di carico) i valori delle azioni esercitate dalla struttura sui vincoli (reazioni vincolari cambiate di segno).

Una terza tabella, infine riassume per ogni nodo le sei combinazioni in cui si attingono i valori minimi e massimi della reazione Fz, della reazione Mx e della reazione My.

Nodo	Cmb	Traslazione X cm	Traslazione Y cm	Traslazione Z cm	Rotazione X	Rotazione Y	Rotazione Z
1	18	4.45e-03	0.04	-0.07	-2.91e-04	6.02e-05	1.76e-06
1	21	5.95e-03	0.04	-0.04	-2.83e-04	7.67e-05	0.0
1	26	-3.65e-04	0.02	-0.11	-1.85e-04	3.40e-06	3.84e-06
1	41	1.90e-03	0.02	-0.06	-1.89e-04	2.94e-05	1.19e-06
1	43	-2.14e-03	0.01	-0.08	-1.09e-04	-1.43e-05	0.0
1	45	-1.31e-03	0.01	-0.08	-1.19e-04	-8.40e-06	2.57e-06
1	47	-6.01e-03	-4.90e-04	-0.09	3.51e-06	-6.40e-05	3.76e-06
1	48	-6.63e-03	-1.10e-03	-0.09	1.04e-05	-6.84e-05	1.61e-06
1	52	-4.70e-03	4.01e-03	-0.08	-3.13e-05	-4.72e-05	2.16e-06
1	53	-6.60e-03	-1.14e-03	-0.09	1.08e-05	-6.82e-05	1.56e-06
1	54	-6.25e-03	-7.48e-04	-0.09	6.44e-06	-6.57e-05	2.88e-06
1	62	-0.14	-0.03	-0.22	2.87e-04	-1.43e-03	-3.82e-05
1	86	-0.10	-0.04	-0.20	3.58e-04	-1.04e-03	-2.98e-05
1	94	-0.07	-0.01	-0.15	1.34e-04	-6.71e-04	-1.53e-05
1	118	-0.05	-0.02	-0.14	1.71e-04	-5.10e-04	-1.19e-05
5	4	-0.01	1.56e-03	-0.10	4.70e-06	-1.08e-04	-2.14e-05
5	22	-8.69e-03	4.81e-03	-0.08	-1.22e-05	-6.67e-05	-2.49e-05
5	26	-0.01	2.05e-03	-0.12	0.0	-9.08e-05	-1.87e-05
5	34	-9.00e-03	4.50e-04	-0.08	9.22e-06	-8.03e-05	-1.48e-05
5	41	-8.00e-03	2.00e-03	-0.07	4.01e-06	-6.62e-05	-1.76e-05
5	45	-7.85e-03	7.78e-04	-0.08	6.10e-06	-6.91e-05	-1.29e-05
5	46	-6.58e-03	-3.84e-03	-0.06	3.91e-05	-6.46e-05	-3.19e-06
5	47	-7.88e-03	-3.20e-03	-0.07	3.18e-05	-7.70e-05	-5.77e-06
5	53	-6.58e-03	-3.84e-03	-0.06	3.91e-05	-6.46e-05	-3.19e-06
5	54	-7.36e-03	-3.46e-03	-0.07	3.47e-05	-7.20e-05	-4.74e-06
5	60	0.02	-0.01	-0.08	7.59e-05	1.51e-04	1.41e-05
5	62	-0.05	-2.01e-03	-0.06	2.84e-05	-3.82e-04	-3.87e-05
5	84	-0.02	-0.02	-0.07	1.07e-04	-1.64e-04	-2.17e-05
5	92	5.72e-03	-6.83e-03	-0.07	5.38e-05	2.55e-05	3.53e-06
5	94	-0.03	-2.86e-03	-0.06	3.21e-05	-2.10e-04	-1.98e-05
5	116	-0.01	-9.20e-03	-0.07	6.85e-05	-1.15e-04	-1.24e-05
8	4	-6.50e-03	2.08e-03	-0.10	-1.04e-06	-6.99e-05	-2.75e-05
8	22	-2.38e-03	4.88e-03	-0.08	-1.10e-05	-2.33e-05	-3.24e-05
8	26	-5.61e-03	2.49e-03	-0.12	-4.48e-06	-5.95e-05	-2.42e-05
8	34	-5.08e-03	8.49e-04	-0.08	4.67e-06	-5.45e-05	-1.89e-05
8	41	-3.56e-03	2.19e-03	-0.07	2.85e-06	-3.66e-05	-2.29e-05
8	45	-4.48e-03	1.12e-03	-0.08	2.38e-06	-4.76e-05	-1.67e-05
8	46	-5.81e-03	-3.43e-03	-0.06	3.34e-05	-6.22e-05	-3.95e-06
8	47	-6.29e-03	-2.70e-03	-0.07	2.49e-05	-6.83e-05	-6.99e-06
8	53	-5.81e-03	-3.43e-03	-0.06	3.34e-05	-6.22e-05	-3.95e-06
8	54	-6.10e-03	-2.99e-03	-0.06	2.83e-05	-6.58e-05	-5.77e-06
8	59	0.02	-4.19e-03	-0.07	3.21e-05	2.15e-04	-1.09e-05
8	61	-0.05	3.64e-03	-0.05	-2.85e-06	-4.61e-04	1.21e-05
8	84	0.02	-0.01	-0.06	8.49e-05	1.91e-04	-3.37e-05
8	91	6.41e-03	-3.48e-03	-0.07	2.99e-05	5.73e-05	-7.92e-06
8	93	-0.02	6.28e-05	-0.06	1.38e-05	-2.42e-04	1.96e-06

8	116	5.75e-03	-8.28e-03	-0.06	5.49e-05	5.31e-05	-1.80e-05
74	4	-0.01	0.01	-0.13	-8.90e-05	-1.28e-04	-2.32e-05
74	22	-9.72e-03	0.02	-0.09	-1.14e-04	-8.20e-05	-2.85e-05
74	26	-0.01	0.01	-0.13	-8.40e-05	-1.09e-04	-2.27e-05
74	34	-9.94e-03	8.48e-03	-0.09	-5.44e-05	-9.47e-05	-1.60e-05
74	41	-8.83e-03	0.01	-0.09	-7.05e-05	-7.86e-05	-2.09e-05
74	45	-8.67e-03	8.13e-03	-0.10	-5.10e-05	-8.17e-05	-1.57e-05
74	46	-6.97e-03	-2.10e-03	-0.08	2.30e-05	-7.12e-05	-5.22e-06
74	47	-8.52e-03	-3.58e-04	-0.08	5.25e-06	-8.72e-05	-6.39e-06
74	53	-6.97e-03	-2.10e-03	-0.08	2.30e-05	-7.12e-05	-5.22e-06
74	54	-7.90e-03	-1.05e-03	-0.08	1.23e-05	-8.08e-05	-5.92e-06
74	62	-0.05	1.30e-03	-0.12	1.21e-04	-3.77e-04	-2.51e-05
74	86	-0.04	-0.02	-0.11	1.78e-04	-2.70e-04	1.13e-05
74	94	-0.03	-9.30e-05	-0.10	6.24e-05	-2.13e-04	-1.43e-05
74	118	-0.02	-0.01	-0.09	9.05e-05	-1.68e-04	2.25e-06
77	4	-4.80e-03	0.01	-0.11	-7.30e-05	-3.66e-05	-1.08e-05
77	22	-1.52e-03	0.02	-0.07	-1.03e-04	1.16e-05	-1.68e-05
77	26	-3.95e-03	0.01	-0.12	-7.01e-05	-2.69e-05	-9.70e-06
77	34	-3.96e-03	7.87e-03	-0.08	-4.30e-05	-3.22e-05	-7.29e-06
77	41	-2.57e-03	0.01	-0.08	-6.05e-05	-8.98e-06	-1.14e-05
77	45	-3.39e-03	7.60e-03	-0.09	-4.10e-05	-2.57e-05	-6.54e-06
77	46	-4.96e-03	-2.45e-03	-0.08	2.92e-05	-5.26e-05	0.0
77	47	-5.32e-03	-8.45e-04	-0.09	1.39e-05	-5.75e-05	0.0
77	53	-4.96e-03	-2.45e-03	-0.08	2.92e-05	-5.26e-05	0.0
77	54	-5.18e-03	-1.49e-03	-0.08	2.00e-05	-5.55e-05	0.0
77	62	-0.05	9.39e-04	-0.14	1.31e-04	-3.84e-04	3.28e-06
77	86	-0.04	-0.03	-0.13	1.87e-04	-2.70e-04	-7.63e-06
77	94	-0.03	-4.97e-04	-0.11	7.10e-05	-2.01e-04	1.05e-06
77	118	-0.02	-0.01	-0.10	9.87e-05	-1.53e-04	-3.76e-06
80	4	-4.53e-03	8.22e-04	-0.11	1.28e-05	-3.05e-05	1.58e-05
80	22	-1.34e-03	4.67e-03	-0.07	-1.24e-05	1.60e-05	5.21e-06
80	26	-3.66e-03	1.36e-03	-0.12	7.62e-06	-2.07e-05	1.24e-05
80	34	-3.75e-03	-1.22e-04	-0.08	1.57e-05	-1.77e-05	1.18e-05
80	41	-2.39e-03	1.69e-03	-0.07	6.70e-06	-4.74e-06	7.17e-06
80	45	-3.17e-03	2.37e-04	-0.09	1.22e-05	-2.11e-05	9.52e-06
80	46	-4.76e-03	-4.48e-03	-0.07	4.73e-05	-4.87e-05	1.06e-05
80	47	-5.11e-03	-3.93e-03	-0.08	4.11e-05	-5.33e-05	1.32e-05
80	53	-4.76e-03	-4.48e-03	-0.07	4.73e-05	-4.87e-05	1.06e-05
80	54	-4.97e-03	-4.15e-03	-0.07	4.36e-05	-5.15e-05	1.22e-05
80	62	-0.05	-2.18e-03	-0.07	2.97e-05	-3.82e-04	-1.10e-05
80	84	-0.02	-0.02	-0.09	9.63e-05	-1.47e-04	4.07e-05
80	94	-0.03	-3.34e-03	-0.07	3.78e-05	-1.98e-04	2.08e-06
80	116	-0.01	-0.01	-0.08	6.88e-05	-9.56e-05	2.57e-05
99	18	-3.10e-03	8.93e-03	-0.07	-2.94e-04	1.02e-04	-2.72e-06
99	19	-3.51e-03	8.86e-03	-0.03	-2.70e-04	1.09e-04	-7.30e-06
99	26	-1.70e-03	5.45e-03	-0.11	-1.84e-04	2.67e-05	0.0
99	38	-2.32e-03	5.96e-03	-0.05	-1.77e-04	5.09e-05	-4.35e-06
99	41	-2.08e-03	5.97e-03	-0.06	-1.90e-04	5.67e-05	-1.81e-06
99	45	-1.15e-03	3.65e-03	-0.08	-1.17e-04	6.34e-06	0.0
99	47	1.56e-04	1.60e-04	-0.09	8.67e-06	-6.59e-05	2.85e-06
99	51	-4.70e-04	1.32e-03	-0.08	-2.14e-05	-4.64e-05	0.0
99	52	-3.73e-04	1.32e-03	-0.08	-2.67e-05	-4.35e-05	1.06e-06
99	54	9.09e-05	1.59e-04	-0.09	1.22e-05	-6.78e-05	2.15e-06
99	59	0.02	-3.94e-04	0.04	-2.91e-04	1.03e-03	2.51e-05
99	62	-0.02	7.11e-04	-0.22	3.16e-04	-1.16e-03	-2.08e-05
99	85	6.51e-03	8.68e-03	-0.04	-2.09e-04	2.85e-04	1.15e-05
99	91	8.14e-03	-9.06e-05	-0.03	-1.25e-04	4.19e-04	1.23e-05
99	94	-7.96e-03	4.08e-04	-0.15	1.49e-04	-5.54e-04	-8.00e-06
99	117	3.08e-03	4.25e-03	-0.07	-9.36e-05	9.35e-05	6.33e-06
100	19	-3.93e-03	3.65e-03	-0.06	3.81e-05	-3.87e-05	-1.65e-05
100	26	-2.20e-03	1.98e-03	-0.12	9.05e-05	-1.17e-04	-1.02e-05
100	38	-2.63e-03	2.38e-03	-0.07	5.65e-05	-5.44e-05	-1.10e-05
100	45	-1.49e-03	1.30e-03	-0.09	7.32e-05	-8.92e-05	-6.76e-06
100	47	1.97e-06	-2.04e-04	-0.08	9.73e-05	-1.06e-04	0.0
100	51	-5.73e-04	3.46e-04	-0.07	8.66e-05	-7.90e-05	-2.18e-06
100	53	-5.99e-05	-1.61e-04	-0.08	9.42e-05	-8.51e-05	0.0
100	54	-2.28e-05	-1.87e-04	-0.08	9.60e-05	-9.79e-05	0.0
100	61	-0.02	3.15e-03	-0.07	-5.17e-05	-4.71e-04	-1.66e-05
100	84	0.01	-5.67e-03	-0.11	3.15e-04	-2.63e-04	1.84e-05
100	93	-7.82e-03	1.34e-03	-0.07	3.00e-05	-2.61e-04	-7.62e-06
100	116	5.83e-03	-2.74e-03	-0.09	1.96e-04	-1.73e-04	8.62e-06
101	18	-2.17e-03	9.43e-03	-0.14	-2.15e-04	-2.14e-04	-1.18e-05
101	26	-1.56e-03	5.83e-03	-0.15	-1.38e-04	-2.06e-04	-6.47e-06
101	41	-1.48e-03	6.30e-03	-0.10	-1.38e-04	-1.56e-04	-7.86e-06
101	45	-1.07e-03	3.90e-03	-0.11	-8.72e-05	-1.51e-04	-4.33e-06
101	47	-4.10e-04	2.47e-04	-0.10	9.20e-06	-1.35e-04	0.0
101	52	-5.73e-04	1.43e-03	-0.09	-1.65e-05	-1.26e-04	-1.25e-06

101	54	-3.69e-04	2.22e-04	-0.09	1.22e-05	-1.25e-04	0.0
101	61	-0.01	5.16e-03	-0.15	1.02e-04	-4.03e-04	-1.03e-05
101	62	-9.65e-03	6.69e-04	-0.17	2.25e-04	-3.17e-04	-1.83e-05
101	85	-9.76e-03	9.16e-03	-0.07	-1.39e-04	-3.15e-04	9.87e-06
101	93	-6.42e-03	2.59e-03	-0.12	5.02e-05	-2.49e-04	-4.20e-06
101	94	-4.43e-03	4.27e-04	-0.13	1.08e-04	-2.09e-04	-7.87e-06
101	117	-4.76e-03	4.51e-03	-0.08	-6.02e-05	-2.14e-04	4.86e-06
102	18	-2.25e-03	3.54e-03	-0.10	-6.27e-06	-1.05e-04	-1.97e-05
102	19	-1.89e-03	3.70e-03	-0.06	1.94e-06	-5.09e-05	-1.78e-05
102	26	-1.60e-03	2.02e-03	-0.12	-2.35e-06	-1.07e-04	-1.31e-05
102	38	-1.37e-03	2.41e-03	-0.06	1.32e-05	-5.85e-05	-1.25e-05
102	41	-1.53e-03	2.35e-03	-0.07	1.81e-06	-7.94e-05	-1.34e-05
102	45	-1.10e-03	1.33e-03	-0.08	4.42e-06	-8.07e-05	-8.98e-06
102	47	-4.19e-04	-1.90e-04	-0.07	3.09e-05	-8.69e-05	-2.45e-06
102	51	-5.22e-04	3.68e-04	-0.06	3.33e-05	-7.03e-05	-3.97e-06
102	52	-5.88e-04	3.40e-04	-0.07	2.88e-05	-7.85e-05	-4.34e-06
102	54	-3.76e-04	-1.71e-04	-0.07	3.39e-05	-8.15e-05	-2.20e-06
102	60	0.01	-3.58e-03	-0.08	7.86e-05	1.06e-04	1.16e-05
102	61	-0.01	3.24e-03	-0.06	-1.09e-05	-2.69e-04	-1.61e-05
102	84	9.01e-03	-5.61e-03	-0.07	1.09e-04	-1.58e-04	7.43e-06
102	92	5.66e-03	-1.73e-03	-0.07	5.45e-05	0.0	4.02e-06
102	93	-6.41e-03	1.39e-03	-0.06	1.32e-05	-1.63e-04	-8.43e-06
102	116	4.01e-03	-2.71e-03	-0.07	6.90e-05	-1.17e-04	2.27e-06
103	18	6.09e-04	9.85e-03	-0.14	-1.13e-04	-4.60e-04	-2.19e-05
103	19	9.23e-04	9.46e-03	-0.08	-1.26e-04	-1.30e-04	-2.01e-05
103	26	1.66e-04	6.16e-03	-0.16	-5.61e-05	-4.74e-04	-1.44e-05
103	38	5.42e-04	6.39e-03	-0.08	-7.38e-05	-1.48e-04	-1.39e-05
103	41	3.82e-04	6.58e-03	-0.10	-6.89e-05	-3.27e-04	-1.47e-05
103	45	8.69e-05	4.13e-03	-0.11	-3.09e-05	-3.37e-04	-9.70e-06
103	47	-3.17e-04	3.53e-04	-0.09	3.96e-05	-3.01e-04	-1.91e-06
103	52	-1.23e-04	1.54e-03	-0.09	1.62e-05	-2.45e-04	-4.21e-06
103	54	-2.73e-04	3.02e-04	-0.09	3.82e-05	-2.51e-04	-1.70e-06
103	61	-0.01	5.30e-03	-0.14	1.36e-04	-6.38e-04	-1.78e-05
103	85	-7.32e-03	9.54e-03	-0.13	-5.63e-05	-5.05e-04	-2.11e-05
103	93	-5.17e-03	2.70e-03	-0.11	8.06e-05	-4.24e-04	-9.08e-06
103	117	-3.54e-03	4.74e-03	-0.11	-6.38e-06	-3.69e-04	-1.09e-05
104	19	1.02e-03	4.15e-03	-0.06	2.95e-05	-3.33e-05	-1.91e-05
104	21	9.47e-04	4.17e-03	-0.08	2.89e-05	-4.75e-05	-2.31e-05
104	26	4.15e-04	2.45e-03	-0.11	3.88e-05	-7.27e-05	-1.72e-05
104	38	6.19e-04	2.73e-03	-0.06	3.50e-05	-4.14e-05	-1.37e-05
104	40	5.72e-04	2.74e-03	-0.07	3.47e-05	-5.09e-05	-1.64e-05
104	45	2.56e-04	1.62e-03	-0.08	3.28e-05	-5.57e-05	-1.19e-05
104	47	-2.05e-04	-9.87e-05	-0.06	4.75e-05	-6.33e-05	-4.87e-06
104	52	-3.34e-05	4.66e-04	-0.06	4.50e-05	-5.75e-05	-6.25e-06
104	53	-1.71e-04	-1.07e-04	-0.06	4.78e-05	-5.65e-05	-2.95e-06
104	54	-1.92e-04	-1.02e-04	-0.06	4.76e-05	-6.06e-05	-4.10e-06
104	59	7.80e-03	-1.06e-03	-0.07	5.01e-05	8.89e-05	1.17e-05
104	61	-0.01	3.75e-03	-0.05	2.76e-05	-2.70e-04	-1.03e-05
104	84	6.92e-03	-6.14e-03	-0.06	8.34e-05	7.47e-05	-2.50e-05
104	91	3.31e-03	-5.01e-04	-0.07	4.87e-05	4.90e-06	2.91e-06
104	93	-5.15e-03	1.66e-03	-0.06	3.82e-05	-1.54e-04	-6.76e-06
104	116	3.10e-03	-2.92e-03	-0.06	6.45e-05	2.23e-06	-1.35e-05
105	20	7.57e-03	8.90e-03	-0.03	-2.32e-04	4.81e-04	-1.74e-05
105	22	7.56e-03	9.01e-03	-0.03	-2.58e-04	4.50e-04	-1.76e-05
105	26	4.53e-03	5.42e-03	-0.10	-1.90e-04	1.02e-04	-1.03e-05
105	39	5.04e-03	5.91e-03	-0.05	-1.63e-04	2.49e-04	-1.15e-05
105	41	5.03e-03	5.98e-03	-0.05	-1.80e-04	2.28e-04	-1.16e-05
105	45	3.01e-03	3.60e-03	-0.08	-1.26e-04	4.53e-05	-6.85e-06
105	50	-2.66e-05	-5.74e-05	-0.08	-2.53e-05	-2.15e-04	0.0
105	51	9.88e-04	1.11e-03	-0.07	-4.61e-05	-1.12e-04	-1.96e-06
105	52	9.86e-04	1.14e-03	-0.07	-5.34e-05	-1.21e-04	-2.00e-06
105	53	-2.44e-05	-8.99e-05	-0.08	-1.73e-05	-2.04e-04	0.0
105	54	-2.68e-05	-5.87e-05	-0.08	-2.46e-05	-2.13e-04	0.0
105	58	-7.03e-03	7.21e-04	-0.15	1.26e-04	-6.27e-04	-5.95e-06
105	66	-6.71e-03	3.05e-03	-0.15	1.55e-04	-6.26e-04	-6.87e-06
105	84	-2.47e-03	-8.83e-03	-0.11	1.09e-04	-4.54e-04	1.74e-05
105	90	-3.10e-03	3.17e-04	-0.11	4.33e-05	-3.95e-04	-2.44e-06
105	98	-2.95e-03	1.40e-03	-0.11	5.76e-05	-3.95e-04	-2.97e-06
105	116	-1.13e-03	-4.26e-03	-0.09	3.92e-05	-3.21e-04	8.35e-06
106	19	7.53e-03	4.30e-03	-0.06	-8.05e-05	2.22e-04	-1.62e-05
106	22	7.52e-03	4.35e-03	-0.06	-5.81e-05	1.98e-04	-1.65e-05
106	26	4.49e-03	2.60e-03	-0.10	-5.02e-05	4.92e-05	-1.02e-05
106	38	5.01e-03	2.85e-03	-0.06	-6.43e-05	1.20e-04	-1.09e-05
106	41	5.00e-03	2.88e-03	-0.06	-4.94e-05	1.04e-04	-1.11e-05
106	45	2.98e-03	1.73e-03	-0.07	-3.46e-05	2.55e-05	-6.83e-06
106	50	-4.36e-05	-5.37e-05	-0.05	-1.87e-05	-8.26e-05	0.0
106	51	9.72e-04	5.16e-04	-0.05	-3.29e-05	-3.66e-05	-2.34e-06

106	52	9.67e-04	5.28e-04	-0.05	-2.61e-05	-4.24e-05	-2.43e-06
106	53	-3.83e-05	-6.70e-05	-0.05	-2.51e-05	-7.58e-05	0.0
106	54	-4.32e-05	-5.48e-05	-0.05	-1.82e-05	-8.16e-05	0.0
106	56	4.25e-03	-3.84e-03	-0.06	7.69e-05	1.42e-04	1.39e-05
106	58	-7.00e-03	1.07e-03	-0.05	-5.04e-05	-2.10e-04	-7.41e-06
106	84	-2.47e-03	-6.29e-03	-0.06	1.15e-04	1.05e-04	1.59e-05
106	88	1.85e-03	-1.77e-03	-0.06	2.38e-05	1.60e-05	6.13e-06
106	90	-3.10e-03	4.36e-04	-0.05	-3.24e-05	-1.38e-04	-3.45e-06
106	116	-1.13e-03	-2.97e-03	-0.06	4.23e-05	0.0	7.31e-06
107	21	0.01	8.40e-03	-0.13	-4.30e-04	4.65e-04	-1.19e-05
107	22	0.01	8.39e-03	-0.13	-4.34e-04	4.54e-04	-1.19e-05
107	26	7.33e-03	5.05e-03	-0.19	-3.25e-04	1.20e-04	-7.40e-06
107	40	8.01e-03	5.55e-03	-0.12	-3.05e-04	2.41e-04	-7.60e-06
107	41	8.01e-03	5.55e-03	-0.13	-3.08e-04	2.33e-04	-7.59e-06
107	45	4.89e-03	3.34e-03	-0.13	-2.17e-04	6.13e-05	-4.86e-06
107	52	1.63e-03	1.02e-03	-0.11	-9.98e-05	-1.03e-04	-1.17e-06
107	53	-1.69e-05	-1.51e-04	-0.10	-4.04e-05	-1.89e-04	0.0
107	54	6.07e-05	-9.63e-05	-0.10	-5.26e-05	-1.90e-04	0.0
107	75	8.69e-03	4.01e-03	-0.15	-3.40e-04	-5.33e-04	-7.81e-06
107	84	-4.50e-03	-8.50e-03	-0.03	1.62e-04	3.26e-04	1.56e-05
107	85	4.62e-03	8.31e-03	-0.18	-2.68e-04	-7.05e-04	-1.51e-05
107	115	3.90e-03	2.63e-03	-0.13	-2.16e-04	-2.91e-04	-4.29e-06
107	116	-2.07e-03	-4.13e-03	-0.07	5.09e-05	3.12e-05	7.48e-06
107	117	2.19e-03	3.94e-03	-0.14	-1.56e-04	-4.10e-04	-6.99e-06
108	16	-4.18e-03	-1.18e-03	-0.14	4.45e-04	3.23e-04	-1.25e-05
108	19	-4.16e-03	-1.18e-03	-0.10	3.32e-04	2.23e-04	-1.27e-05
108	26	-2.40e-03	-5.35e-04	-0.20	5.13e-04	5.36e-04	-5.58e-06
108	38	-2.81e-03	-8.05e-04	-0.11	3.19e-04	2.36e-04	-8.29e-06
108	39	-2.82e-03	-8.04e-04	-0.11	3.31e-04	2.42e-04	-8.33e-06
108	45	-1.63e-03	-3.74e-04	-0.14	3.76e-04	3.84e-04	-3.72e-06
108	47	-6.72e-05	1.13e-05	-0.12	3.27e-04	3.39e-04	1.19e-06
108	51	-6.71e-04	-2.19e-04	-0.10	2.90e-04	2.42e-04	-1.33e-06
108	53	-1.36e-04	-7.24e-05	-0.10	2.82e-04	2.43e-04	0.0
108	54	-9.46e-05	-2.22e-05	-0.11	3.09e-04	3.00e-04	0.0
108	60	0.02	4.71e-03	-0.16	5.69e-04	8.08e-04	1.31e-05
108	61	-0.02	-4.75e-03	-0.06	4.91e-05	-2.07e-04	-1.14e-05
108	66	-0.01	-9.23e-03	-0.09	8.59e-05	-2.74e-04	-1.96e-05
108	92	7.68e-03	2.05e-03	-0.14	4.23e-04	5.23e-04	6.26e-06
108	93	-7.87e-03	-2.10e-03	-0.09	1.95e-04	7.79e-05	-4.51e-06
108	98	-6.01e-03	-4.09e-03	-0.10	2.10e-04	4.00e-05	-8.32e-06
109	16	9.33e-04	-1.56e-03	-0.10	2.39e-05	3.14e-04	-1.49e-05
109	19	9.97e-04	-1.52e-03	-0.07	2.52e-05	2.37e-04	-1.48e-05
109	26	3.77e-04	-9.69e-04	-0.13	9.39e-06	3.78e-04	-8.96e-06
109	38	6.05e-04	-1.06e-03	-0.07	1.69e-05	2.15e-04	-9.95e-06
109	39	6.00e-04	-1.06e-03	-0.07	1.59e-05	2.27e-04	-9.95e-06
109	45	2.30e-04	-6.69e-04	-0.09	6.25e-06	2.69e-04	-6.00e-06
109	47	-2.20e-04	-1.44e-04	-0.07	-1.96e-06	2.04e-04	0.0
109	51	-1.75e-05	-3.33e-04	-0.07	3.50e-06	1.71e-04	-2.15e-06
109	53	-1.73e-04	-1.51e-04	-0.06	0.0	1.60e-04	0.0
109	54	-2.01e-04	-1.47e-04	-0.07	-1.11e-06	1.87e-04	0.0
109	56	0.01	4.04e-03	-0.10	1.31e-04	5.20e-04	7.98e-06
109	61	-0.01	-4.56e-03	-0.04	-1.25e-04	-1.46e-04	-1.60e-05
109	66	-5.13e-03	-8.74e-03	-0.06	-9.99e-05	4.12e-05	-1.57e-05
109	92	4.72e-03	1.79e-03	-0.08	5.30e-05	3.35e-04	6.96e-06
109	93	-5.12e-03	-2.08e-03	-0.06	-5.52e-05	3.87e-05	-7.34e-06
109	98	-2.48e-03	-3.95e-03	-0.06	-4.49e-05	1.20e-04	-7.25e-06
110	18	7.37e-03	-1.75e-03	-0.09	2.94e-05	4.40e-04	-1.60e-05
110	19	7.39e-03	-1.65e-03	-0.07	3.45e-05	3.74e-04	-1.56e-05
110	24	4.41e-03	-1.09e-03	-0.11	2.91e-05	3.40e-04	-9.57e-06
110	38	4.91e-03	-1.15e-03	-0.07	2.61e-05	2.89e-04	-1.05e-05
110	41	4.91e-03	-1.19e-03	-0.07	2.07e-05	3.08e-04	-1.07e-05
110	43	2.93e-03	-7.48e-04	-0.08	2.05e-05	2.41e-04	-6.41e-06
110	48	-4.95e-05	-1.66e-04	-0.06	9.62e-06	1.25e-04	0.0
110	51	9.43e-04	-3.62e-04	-0.06	1.26e-05	1.50e-04	-2.30e-06
110	52	9.41e-04	-3.77e-04	-0.06	9.75e-06	1.49e-04	-2.37e-06
110	53	-4.90e-05	-1.65e-04	-0.06	9.16e-06	1.16e-04	0.0
110	54	-5.11e-05	-1.79e-04	-0.06	6.35e-06	1.15e-04	0.0
110	55	6.85e-03	7.61e-03	-0.08	4.32e-05	3.23e-04	6.98e-06
110	58	-6.95e-03	-7.97e-03	-0.03	-3.05e-05	-9.30e-05	-7.63e-06
110	66	-6.62e-03	-8.41e-03	-0.04	-9.09e-05	-7.81e-05	-7.72e-06
110	90	-3.08e-03	-3.59e-03	-0.05	-9.83e-06	2.33e-05	-3.57e-06
110	91	2.94e-03	3.16e-03	-0.07	2.56e-05	2.08e-04	2.73e-06
110	98	-2.93e-03	-3.82e-03	-0.05	-3.67e-05	2.96e-05	-3.74e-06
111	18	-2.48e-03	8.29e-03	-0.11	-7.16e-05	-1.26e-04	-1.87e-05
111	26	-1.80e-03	5.22e-03	-0.13	-4.92e-05	-1.21e-04	-1.21e-05
111	41	-1.69e-03	5.54e-03	-0.09	-4.12e-05	-9.39e-05	-1.26e-05
111	45	-1.24e-03	3.49e-03	-0.10	-2.64e-05	-9.63e-05	-8.22e-06

111	47	-4.90e-04	3.40e-04	-0.08	2.43e-05	-9.54e-05	-1.40e-06
111	52	-6.67e-04	1.32e-03	-0.08	1.69e-05	-8.71e-05	-3.53e-06
111	54	-4.40e-04	2.90e-04	-0.08	2.89e-05	-8.90e-05	-1.31e-06
111	61	-0.01	4.53e-03	-0.11	6.95e-05	-3.08e-04	-1.99e-05
111	62	-9.72e-03	4.22e-04	-0.12	1.42e-04	-3.95e-04	-1.07e-05
111	85	-9.95e-03	8.53e-03	-0.07	-6.19e-05	3.48e-06	-2.06e-05
111	93	-6.53e-03	2.32e-03	-0.09	4.60e-05	-1.85e-04	-9.72e-06
111	94	-4.50e-03	3.53e-04	-0.10	8.04e-05	-2.25e-04	-5.39e-06
111	117	-4.89e-03	4.23e-03	-0.07	-1.45e-05	-4.59e-05	-1.03e-05
112	18	-2.64e-03	8.57e-03	-0.10	-1.53e-04	6.30e-05	-1.28e-05
112	19	-2.91e-03	8.10e-03	-0.06	-1.17e-04	8.00e-05	-1.35e-05
112	26	-1.48e-03	5.44e-03	-0.12	-1.03e-04	1.08e-05	-7.37e-06
112	38	-1.93e-03	5.50e-03	-0.07	-7.16e-05	3.78e-05	-9.03e-06
112	41	-1.78e-03	5.73e-03	-0.07	-9.64e-05	3.39e-05	-8.60e-06
112	45	-1.01e-03	3.65e-03	-0.09	-6.32e-05	0.0	-4.97e-06
112	47	8.74e-05	4.20e-04	-0.09	8.22e-06	-5.27e-05	0.0
112	51	-3.94e-04	1.31e-03	-0.08	5.72e-06	-3.28e-05	-1.92e-06
112	52	-3.35e-04	1.41e-03	-0.08	-4.38e-06	-3.42e-05	-1.74e-06
112	54	4.79e-05	3.59e-04	-0.08	1.50e-05	-5.18e-05	0.0
112	60	0.02	-3.99e-03	-0.05	-2.10e-05	2.22e-04	6.82e-06
112	62	-0.01	4.93e-04	-0.14	1.47e-04	-4.40e-04	-1.37e-05
112	85	-0.01	8.83e-03	-0.06	-1.07e-04	6.66e-05	8.26e-06
112	92	7.58e-03	-1.73e-03	-0.07	0.0	6.80e-05	3.01e-06
112	94	-5.00e-03	4.22e-04	-0.11	7.55e-05	-2.24e-04	-6.13e-06
112	117	-5.47e-03	4.40e-03	-0.07	-4.38e-05	2.85e-06	3.82e-06
113	19	-3.03e-03	3.42e-03	-0.06	1.19e-05	-5.66e-06	-1.22e-05
113	26	-1.63e-03	1.78e-03	-0.12	3.98e-05	-5.39e-05	-4.81e-06
113	38	-2.03e-03	2.21e-03	-0.07	2.82e-05	-2.51e-05	-7.49e-06
113	45	-1.11e-03	1.17e-03	-0.09	3.53e-05	-4.54e-05	-3.02e-06
113	47	2.11e-05	-2.45e-04	-0.08	6.10e-05	-7.36e-05	2.23e-06
113	51	-4.49e-04	2.99e-04	-0.07	5.53e-05	-5.80e-05	0.0
113	53	-5.38e-05	-1.80e-04	-0.07	6.21e-05	-6.62e-05	1.74e-06
113	54	-8.84e-06	-2.19e-04	-0.07	6.14e-05	-7.06e-05	2.04e-06
113	61	-0.02	2.93e-03	-0.06	-8.58e-06	-2.58e-04	-1.79e-05
113	84	0.01	-5.43e-03	-0.09	1.70e-04	-1.47e-04	1.97e-05
113	93	-7.43e-03	1.22e-03	-0.07	2.95e-05	-1.53e-04	-6.96e-06
113	116	5.44e-03	-2.65e-03	-0.08	1.12e-04	-1.06e-04	1.03e-05
114	4	-4.62e-03	3.21e-03	-0.11	-1.34e-05	0.0	-7.00e-05
114	22	-1.37e-03	7.83e-03	-0.07	-3.77e-05	0.0	-8.31e-05
114	26	-3.74e-03	3.61e-03	-0.12	-1.69e-05	0.0	-6.44e-05
114	34	-3.82e-03	1.47e-03	-0.08	-2.46e-06	0.0	-4.74e-05
114	41	-2.44e-03	3.88e-03	-0.07	-1.28e-05	0.0	-5.97e-05
114	45	-3.24e-03	1.74e-03	-0.09	-4.75e-06	0.0	-4.37e-05
114	46	-4.85e-03	-4.29e-03	-0.07	4.03e-05	0.0	-1.09e-05
114	47	-5.20e-03	-3.57e-03	-0.08	3.12e-05	0.0	-1.69e-05
114	53	-4.85e-03	-4.29e-03	-0.07	4.03e-05	0.0	-1.09e-05
114	54	-5.06e-03	-3.86e-03	-0.08	3.48e-05	0.0	-1.45e-05
114	62	-0.05	-2.15e-03	-0.10	3.23e-05	0.0	-2.31e-05
114	84	-0.02	-0.02	-0.09	9.47e-05	0.0	4.51e-05
114	86	-0.04	-0.01	-0.10	1.25e-04	0.0	7.81e-05
114	94	-0.03	-3.16e-03	-0.09	3.38e-05	0.0	-1.80e-05
114	116	-0.01	-0.01	-0.08	6.37e-05	0.0	1.42e-05
114	118	-0.02	-8.80e-03	-0.09	7.78e-05	0.0	2.95e-05
115	19	-2.82e-03	4.69e-03	-0.06	-7.30e-06	3.29e-05	-2.58e-05
115	26	-1.39e-03	2.60e-03	-0.12	1.22e-05	-8.66e-06	-1.94e-05
115	38	-1.86e-03	3.06e-03	-0.07	1.23e-05	8.13e-06	-1.79e-05
115	45	-9.43e-04	1.71e-03	-0.09	1.62e-05	-1.27e-05	-1.30e-05
115	47	1.13e-04	-2.11e-04	-0.08	4.95e-05	-4.72e-05	-2.86e-06
115	51	-3.66e-04	4.70e-04	-0.07	4.55e-05	-3.39e-05	-4.97e-06
115	54	7.10e-05	-1.98e-04	-0.08	5.12e-05	-4.60e-05	-2.41e-06
115	60	0.02	-3.54e-03	-0.07	2.00e-05	1.98e-04	1.27e-05
115	84	0.01	-6.32e-03	-0.09	1.32e-04	-1.43e-04	1.68e-05
115	86	5.95e-03	-4.03e-03	-0.10	1.91e-04	-2.65e-04	2.63e-05
115	92	7.56e-03	-1.76e-03	-0.07	3.81e-05	6.11e-05	4.84e-06
115	116	5.54e-03	-3.09e-03	-0.08	8.93e-05	-9.06e-05	6.88e-06
115	118	2.82e-03	-2.03e-03	-0.09	1.16e-04	-1.46e-04	1.13e-05
116	4	-4.58e-03	8.68e-03	-0.11	-4.59e-05	0.0	-8.71e-05
116	22	-1.28e-03	0.01	-0.07	-7.23e-05	0.0	-9.47e-05
116	26	-3.74e-03	8.62e-03	-0.12	-4.62e-05	0.0	-7.97e-05
116	34	-3.80e-03	5.20e-03	-0.08	-2.46e-05	0.0	-5.96e-05
116	41	-2.39e-03	8.37e-03	-0.07	-3.84e-05	0.0	-7.01e-05
116	45	-3.24e-03	5.16e-03	-0.09	-2.48e-05	0.0	-5.48e-05
116	46	-4.88e-03	-3.24e-03	-0.08	3.38e-05	0.0	-1.83e-05
116	47	-5.23e-03	-2.00e-03	-0.08	2.12e-05	0.0	-2.68e-05
116	53	-4.88e-03	-3.24e-03	-0.08	3.38e-05	0.0	-1.83e-05
116	54	-5.09e-03	-2.50e-03	-0.08	2.63e-05	0.0	-2.34e-05
116	62	-0.05	-3.23e-04	-0.12	6.37e-06	0.0	2.30e-05

116	86	-0.04	-0.02	-0.11	1.74e-04	0.0	5.48e-05
116	94	-0.03	-1.61e-03	-0.10	1.81e-05	0.0	-1.81e-06
116	118	-0.02	-0.01	-0.10	9.60e-05	0.0	1.37e-05
117	18	-2.39e-03	6.73e-03	-0.10	-7.07e-05	2.47e-05	-3.51e-05
117	19	-2.72e-03	6.52e-03	-0.06	-5.27e-05	4.20e-05	-2.94e-05
117	26	-1.28e-03	4.13e-03	-0.12	-4.44e-05	-6.68e-06	-2.51e-05
117	38	-1.78e-03	4.37e-03	-0.07	-2.48e-05	1.35e-05	-2.12e-05
117	41	-1.61e-03	4.49e-03	-0.07	-4.10e-05	9.19e-06	-2.38e-05
117	45	-8.67e-04	2.75e-03	-0.09	-2.35e-05	-1.17e-05	-1.71e-05
117	47	1.58e-04	1.23e-04	-0.08	2.44e-05	-4.95e-05	-5.95e-06
117	51	-3.25e-04	9.13e-04	-0.08	2.33e-05	-3.46e-05	-7.62e-06
117	52	-2.54e-04	9.58e-04	-0.08	1.67e-05	-3.63e-05	-8.65e-06
117	54	1.11e-04	9.31e-05	-0.08	2.87e-05	-4.84e-05	-5.26e-06
117	60	0.02	-3.83e-03	-0.06	2.55e-06	1.70e-04	1.08e-05
117	62	-0.01	3.17e-04	-0.12	1.27e-04	-3.54e-04	-6.83e-06
117	85	-0.01	7.57e-03	-0.06	-6.24e-05	4.07e-05	-2.46e-05
117	92	7.65e-03	-1.77e-03	-0.07	1.79e-05	4.75e-05	2.36e-06
117	94	-4.95e-03	1.87e-04	-0.10	7.39e-05	-1.84e-04	-5.95e-06
117	117	-5.38e-03	3.65e-03	-0.07	-1.49e-05	-7.28e-06	-1.46e-05
118	4	-7.89e-03	1.06e-03	-0.10	0.0	-5.54e-05	6.62e-05
118	22	-4.32e-03	4.81e-03	-0.08	0.0	-8.83e-06	6.37e-05
118	26	-6.58e-03	1.58e-03	-0.12	0.0	-4.37e-05	5.82e-05
118	34	-6.10e-03	6.11e-05	-0.08	0.0	-4.48e-05	4.57e-05
118	41	-4.77e-03	1.84e-03	-0.07	0.0	-2.36e-05	4.90e-05
118	45	-5.23e-03	4.07e-04	-0.09	0.0	-3.70e-05	4.03e-05
118	46	-5.85e-03	-4.31e-03	-0.07	0.0	-5.48e-05	1.74e-05
118	47	-6.60e-03	-3.74e-03	-0.07	0.0	-6.21e-05	2.51e-05
118	53	-5.85e-03	-4.31e-03	-0.07	0.0	-5.48e-05	1.74e-05
118	54	-6.30e-03	-3.97e-03	-0.07	0.0	-5.92e-05	2.20e-05
118	62	-0.05	-2.06e-03	-0.07	0.0	-4.44e-04	-5.01e-05
118	84	-0.02	-0.02	-0.09	0.0	-1.69e-04	-2.05e-05
118	94	-0.03	-3.18e-03	-0.07	0.0	-2.30e-04	-1.03e-05
118	116	-0.01	-0.01	-0.08	0.0	-1.10e-04	1.86e-06
119	16	-2.76e-03	3.29e-03	-0.09	1.46e-05	-5.51e-05	-5.62e-06
119	19	-2.72e-03	3.37e-03	-0.06	3.04e-06	-3.01e-05	-6.60e-06
119	26	-1.69e-03	1.74e-03	-0.12	1.18e-05	-8.67e-05	0.0
119	38	-1.87e-03	2.18e-03	-0.07	1.70e-05	-4.58e-05	-3.74e-06
119	39	-1.87e-03	2.18e-03	-0.07	1.67e-05	-4.76e-05	-3.63e-06
119	45	-1.16e-03	1.15e-03	-0.09	1.49e-05	-6.86e-05	0.0
119	47	-1.75e-04	-2.39e-04	-0.07	4.20e-05	-8.90e-05	2.69e-06
119	51	-5.19e-04	3.01e-04	-0.07	4.12e-05	-7.18e-05	0.0
119	53	-1.82e-04	-1.68e-04	-0.07	4.72e-05	-7.83e-05	1.66e-06
119	54	-1.77e-04	-2.10e-04	-0.07	4.41e-05	-8.47e-05	2.28e-06
119	61	-0.02	2.85e-03	-0.06	-7.91e-06	-2.54e-04	-1.40e-05
119	84	0.01	-5.28e-03	-0.08	9.49e-05	-1.53e-04	-7.47e-06
119	93	-6.98e-03	1.19e-03	-0.07	2.02e-05	-1.59e-04	-4.86e-06
119	116	4.81e-03	-2.58e-03	-0.08	6.84e-05	-1.16e-04	-2.11e-06
120	4	-0.01	1.40e-03	-0.10	0.0	-9.03e-05	3.82e-05
120	22	-7.82e-03	4.93e-03	-0.08	0.0	-4.66e-05	3.95e-05
120	26	-9.69e-03	1.90e-03	-0.12	0.0	-7.51e-05	3.48e-05
120	34	-8.47e-03	3.15e-04	-0.08	0.0	-6.86e-05	2.54e-05
120	41	-7.39e-03	2.00e-03	-0.07	0.0	-5.15e-05	2.87e-05
120	45	-7.35e-03	6.47e-04	-0.09	0.0	-5.84e-05	2.31e-05
120	46	-6.56e-03	-4.07e-03	-0.07	0.0	-6.17e-05	4.85e-06
120	47	-7.73e-03	-3.45e-03	-0.07	0.0	-7.26e-05	1.01e-05
120	53	-6.56e-03	-4.07e-03	-0.07	0.0	-6.17e-05	4.85e-06
120	54	-7.26e-03	-3.70e-03	-0.07	0.0	-6.82e-05	8.02e-06
120	62	-0.05	-1.97e-03	-0.06	0.0	-4.47e-04	1.00e-05
120	80	-0.02	-0.02	-0.08	0.0	-1.47e-04	-5.63e-05
120	84	-0.02	-0.02	-0.08	0.0	-1.80e-04	-6.28e-05
120	94	-0.03	-2.98e-03	-0.07	0.0	-2.37e-04	8.82e-06
120	112	-0.01	-9.21e-03	-0.07	0.0	-1.07e-04	-2.25e-05
120	116	-0.01	-9.72e-03	-0.07	0.0	-1.20e-04	-2.55e-05
121	18	-2.50e-03	3.25e-03	-0.10	-5.43e-06	-1.03e-04	-6.18e-06
121	19	-2.31e-03	3.46e-03	-0.06	0.0	-4.76e-05	-8.43e-06
121	26	-1.64e-03	1.83e-03	-0.12	1.03e-06	-1.07e-04	-2.38e-06
121	38	-1.62e-03	2.25e-03	-0.06	1.27e-05	-5.87e-05	-5.34e-06
121	41	-1.70e-03	2.16e-03	-0.07	2.66e-06	-7.94e-05	-4.15e-06
121	45	-1.13e-03	1.21e-03	-0.08	6.96e-06	-8.22e-05	-1.62e-06
121	47	-3.00e-04	-2.12e-04	-0.07	3.43e-05	-9.44e-05	1.36e-06
121	51	-5.25e-04	3.30e-04	-0.07	3.53e-05	-7.66e-05	0.0
121	52	-5.55e-04	2.92e-04	-0.07	3.13e-05	-8.46e-05	0.0
121	54	-2.80e-04	-1.87e-04	-0.07	3.70e-05	-8.90e-05	1.03e-06
121	61	-0.01	2.96e-03	-0.06	-1.56e-05	-2.45e-04	-7.74e-06
121	80	0.01	-4.86e-03	-0.08	1.12e-04	-1.34e-04	-6.53e-06
121	84	9.65e-03	-5.33e-03	-0.08	8.65e-05	-1.51e-04	-6.37e-06
121	93	-6.61e-03	1.25e-03	-0.06	1.29e-05	-1.57e-04	-2.82e-06

121	112	4.81e-03	-2.37e-03	-0.07	7.24e-05	-1.10e-04	-2.37e-06
121	116	4.35e-03	-2.59e-03	-0.07	6.06e-05	-1.18e-04	-2.28e-06
122	4	-7.25e-03	0.01	-0.12	0.0	-6.40e-05	6.63e-05
122	22	-3.69e-03	0.02	-0.08	0.0	-1.88e-05	6.24e-05
122	26	-6.18e-03	0.01	-0.12	0.0	-5.10e-05	5.99e-05
122	34	-5.64e-03	8.06e-03	-0.09	0.0	-5.07e-05	4.56e-05
122	41	-4.27e-03	0.01	-0.08	0.0	-3.10e-05	4.80e-05
122	45	-4.92e-03	7.77e-03	-0.09	0.0	-4.21e-05	4.13e-05
122	46	-5.61e-03	-2.35e-03	-0.08	0.0	-5.68e-05	1.65e-05
122	47	-6.31e-03	-7.22e-04	-0.09	0.0	-6.47e-05	2.50e-05
122	53	-5.61e-03	-2.35e-03	-0.08	0.0	-5.68e-05	1.65e-05
122	54	-6.03e-03	-1.37e-03	-0.08	0.0	-6.16e-05	2.16e-05
122	62	-0.05	1.02e-03	-0.13	0.0	-3.45e-04	-2.54e-05
122	86	-0.04	-0.03	-0.12	0.0	-2.42e-04	-4.86e-05
122	94	-0.03	-3.97e-04	-0.11	0.0	-1.87e-04	0.0
122	118	-0.02	-0.01	-0.10	0.0	-1.44e-04	-1.15e-05
123	15	-2.73e-03	8.35e-03	-0.09	-9.45e-05	1.02e-06	-2.38e-06
123	18	-2.70e-03	8.72e-03	-0.10	-1.33e-04	-1.61e-05	1.01e-06
123	26	-1.71e-03	5.55e-03	-0.12	-9.47e-05	-4.56e-05	3.71e-06
123	38	-1.85e-03	5.58e-03	-0.07	-5.77e-05	-7.83e-06	-1.38e-06
123	41	-1.83e-03	5.83e-03	-0.08	-8.36e-05	-1.92e-05	0.0
123	45	-1.17e-03	3.72e-03	-0.09	-5.78e-05	-3.89e-05	2.68e-06
123	47	-1.59e-04	4.60e-04	-0.09	6.22e-06	-6.69e-05	4.24e-06
123	51	-5.06e-04	1.35e-03	-0.08	7.36e-06	-4.92e-05	1.91e-06
123	52	-4.99e-04	1.45e-03	-0.08	-3.08e-06	-5.36e-05	2.81e-06
123	53	-1.70e-04	2.96e-04	-0.08	2.36e-05	-5.95e-05	2.74e-06
123	54	-1.64e-04	3.94e-04	-0.08	1.32e-05	-6.40e-05	3.64e-06
123	61	-0.02	4.79e-03	-0.12	5.08e-05	-3.30e-04	-8.94e-06
123	62	-0.01	5.31e-04	-0.13	1.40e-04	-4.35e-04	-1.71e-05
123	85	-0.01	8.94e-03	-0.07	-1.00e-04	4.26e-05	1.26e-05
123	93	-7.31e-03	2.50e-03	-0.10	2.89e-05	-1.81e-04	-1.87e-06
123	94	-4.95e-03	4.58e-04	-0.11	7.14e-05	-2.29e-04	-5.56e-06
123	117	-5.38e-03	4.48e-03	-0.07	-4.11e-05	-1.50e-05	7.67e-06
124	4	-0.01	0.01	-0.12	0.0	-9.82e-05	5.87e-05
124	22	-7.90e-03	0.02	-0.08	0.0	-5.29e-05	5.79e-05
124	26	-0.01	0.01	-0.13	0.0	-8.15e-05	5.08e-05
124	34	-8.59e-03	8.18e-03	-0.09	0.0	-7.41e-05	4.00e-05
124	41	-7.46e-03	0.01	-0.08	0.0	-5.66e-05	4.34e-05
124	45	-7.55e-03	7.88e-03	-0.10	0.0	-6.30e-05	3.47e-05
124	46	-6.58e-03	-2.26e-03	-0.08	0.0	-6.42e-05	1.20e-05
124	47	-7.82e-03	-5.95e-04	-0.08	0.0	-7.63e-05	1.96e-05
124	53	-6.58e-03	-2.26e-03	-0.08	0.0	-6.42e-05	1.20e-05
124	54	-7.33e-03	-1.26e-03	-0.08	0.0	-7.15e-05	1.66e-05
124	62	-0.05	1.10e-03	-0.13	0.0	-3.65e-04	-6.02e-05
124	86	-0.04	-0.03	-0.11	0.0	-2.57e-04	-6.63e-05
124	94	-0.03	-2.97e-04	-0.10	0.0	-2.02e-04	-1.79e-05
124	118	-0.02	-0.01	-0.10	0.0	-1.57e-04	-2.19e-05
125	18	-2.77e-03	8.60e-03	-0.11	-1.23e-04	-8.83e-05	-2.62e-06
125	26	-1.90e-03	5.46e-03	-0.13	-9.00e-05	-1.01e-04	0.0
125	41	-1.88e-03	5.75e-03	-0.08	-7.73e-05	-6.85e-05	-1.69e-06
125	45	-1.31e-03	3.66e-03	-0.10	-5.51e-05	-7.68e-05	0.0
125	47	-3.81e-04	4.22e-04	-0.08	5.10e-06	-8.59e-05	2.46e-06
125	52	-6.45e-04	1.41e-03	-0.08	-2.90e-06	-7.58e-05	1.09e-06
125	54	-3.52e-04	3.61e-04	-0.08	1.19e-05	-8.06e-05	2.02e-06
125	61	-0.02	4.71e-03	-0.11	4.04e-05	-3.24e-04	-1.35e-05
125	62	-0.01	4.98e-04	-0.13	1.27e-04	-4.18e-04	-2.28e-05
125	85	-0.01	8.83e-03	-0.07	-9.82e-05	1.79e-05	1.20e-05
125	93	-6.97e-03	2.45e-03	-0.10	2.37e-05	-1.87e-04	-4.80e-06
125	94	-4.76e-03	4.25e-04	-0.10	6.47e-05	-2.31e-04	-8.96e-06
125	117	-5.21e-03	4.41e-03	-0.08	-4.10e-05	-3.50e-05	6.51e-06
126	4	-0.01	9.12e-03	-0.12	-6.23e-05	0.0	-7.99e-05
126	22	-9.30e-03	0.01	-0.09	-8.61e-05	0.0	-9.29e-05
126	26	-0.01	8.98e-03	-0.13	-5.94e-05	0.0	-7.28e-05
126	34	-9.52e-03	5.54e-03	-0.09	-3.62e-05	0.0	-5.42e-05
126	41	-8.48e-03	8.50e-03	-0.08	-4.96e-05	0.0	-6.71e-05
126	45	-8.32e-03	5.44e-03	-0.09	-3.43e-05	0.0	-4.94e-05
126	46	-6.79e-03	-2.91e-03	-0.07	2.82e-05	0.0	-1.29e-05
126	47	-8.22e-03	-1.58e-03	-0.08	1.34e-05	0.0	-2.03e-05
126	53	-6.79e-03	-2.91e-03	-0.07	2.82e-05	0.0	-1.29e-05
126	54	-7.64e-03	-2.11e-03	-0.08	1.93e-05	0.0	-1.73e-05
126	62	-0.05	4.54e-04	-0.10	3.19e-06	0.0	-2.79e-05
126	86	-0.03	-0.02	-0.09	1.83e-04	0.0	7.89e-05
126	94	-0.03	-1.06e-03	-0.09	1.28e-05	0.0	-2.16e-05
126	118	-0.02	-0.01	-0.08	9.67e-05	0.0	2.84e-05
127	18	-2.56e-03	6.57e-03	-0.11	-2.56e-05	-9.66e-05	-2.54e-05
127	26	-1.85e-03	4.06e-03	-0.13	-1.13e-05	-1.00e-04	-1.68e-05
127	41	-1.75e-03	4.38e-03	-0.08	-9.63e-06	-7.31e-05	-1.70e-05

127	45	-1.27e-03	2.71e-03	-0.09	0.0	-7.55e-05	-1.13e-05
127	47	-5.01e-04	1.23e-04	-0.08	3.89e-05	-8.01e-05	-2.49e-06
127	52	-6.84e-04	9.43e-04	-0.08	3.29e-05	-7.20e-05	-5.00e-06
127	54	-4.48e-04	9.82e-05	-0.08	4.19e-05	-7.47e-05	-2.17e-06
127	61	-0.01	3.84e-03	-0.09	8.11e-05	-2.77e-04	-1.77e-05
127	62	-9.72e-03	3.39e-04	-0.10	1.38e-04	-3.56e-04	-4.59e-06
127	85	-0.01	7.19e-03	-0.07	-2.76e-05	8.40e-06	-2.84e-05
127	93	-6.55e-03	1.87e-03	-0.08	5.85e-05	-1.63e-04	-9.53e-06
127	94	-4.51e-03	1.99e-04	-0.09	8.53e-05	-2.00e-04	-3.24e-06
127	117	-4.92e-03	3.47e-03	-0.07	8.82e-06	-3.61e-05	-1.47e-05
128	4	-0.01	4.45e-03	-0.11	-2.25e-05	0.0	-5.99e-05
128	22	-8.98e-03	8.39e-03	-0.08	-4.18e-05	0.0	-7.48e-05
128	26	-0.01	4.70e-03	-0.12	-2.39e-05	0.0	-5.54e-05
128	34	-9.23e-03	2.39e-03	-0.08	-9.24e-06	0.0	-4.01e-05
128	41	-8.23e-03	4.52e-03	-0.08	-1.75e-05	0.0	-5.26e-05
128	45	-8.06e-03	2.55e-03	-0.09	-1.02e-05	0.0	-3.71e-05
128	46	-6.66e-03	-3.55e-03	-0.07	3.46e-05	0.0	-6.08e-06
128	47	-8.02e-03	-2.63e-03	-0.07	2.41e-05	0.0	-1.12e-05
128	53	-6.66e-03	-3.55e-03	-0.07	3.46e-05	0.0	-6.08e-06
128	54	-7.48e-03	-3.00e-03	-0.07	2.83e-05	0.0	-9.16e-06
128	62	-0.05	-1.41e-03	-0.08	2.53e-05	0.0	5.45e-05
128	84	-0.02	-0.02	-0.07	1.13e-04	0.0	4.38e-05
128	94	-0.03	-2.35e-03	-0.08	2.71e-05	0.0	1.99e-05
128	116	-0.01	-9.93e-03	-0.07	6.84e-05	0.0	1.63e-05
129	18	-2.51e-03	5.06e-03	-0.10	-1.27e-05	-8.72e-05	-2.44e-05
129	22	-2.37e-03	5.07e-03	-0.08	-2.25e-05	-6.80e-05	-2.37e-05
129	26	-1.81e-03	3.05e-03	-0.12	-4.28e-06	-9.05e-05	-1.64e-05
129	41	-1.71e-03	3.37e-03	-0.08	-1.70e-06	-6.64e-05	-1.64e-05
129	45	-1.24e-03	2.02e-03	-0.09	3.92e-06	-6.86e-05	-1.11e-05
129	47	-4.89e-04	-3.06e-05	-0.07	3.58e-05	-7.50e-05	-2.48e-06
129	52	-6.68e-04	6.43e-04	-0.07	3.19e-05	-6.72e-05	-4.86e-06
129	53	-3.57e-04	-4.17e-05	-0.07	4.30e-05	-6.28e-05	-1.66e-06
129	54	-4.36e-04	-3.51e-05	-0.07	3.87e-05	-7.01e-05	-2.16e-06
129	61	-0.01	3.42e-03	-0.08	6.48e-05	-2.81e-04	-1.68e-05
129	62	-9.69e-03	4.42e-04	-0.08	1.12e-04	-3.63e-04	-5.35e-06
129	84	9.07e-03	-6.15e-03	-0.07	9.72e-05	-1.57e-04	2.08e-05
129	93	-6.52e-03	1.58e-03	-0.07	4.97e-05	-1.62e-04	-9.03e-06
129	94	-4.49e-03	1.59e-04	-0.08	7.20e-05	-2.01e-04	-3.55e-06
129	116	4.01e-03	-2.92e-03	-0.07	6.66e-05	-1.11e-04	8.79e-06
130	4	-0.01	1.57e-03	-0.10	0.0	-1.00e-04	-2.72e-05
130	22	-7.12e-03	4.66e-03	-0.08	0.0	-6.03e-05	-3.01e-05
130	26	-9.29e-03	2.06e-03	-0.12	0.0	-8.55e-05	-2.35e-05
130	34	-8.03e-03	4.74e-04	-0.08	0.0	-7.51e-05	-1.88e-05
130	41	-6.90e-03	1.94e-03	-0.07	0.0	-6.17e-05	-2.15e-05
130	45	-7.02e-03	7.99e-04	-0.08	0.0	-6.53e-05	-1.63e-05
130	46	-6.39e-03	-3.73e-03	-0.06	0.0	-6.39e-05	-4.30e-06
130	47	-7.49e-03	-3.07e-03	-0.07	0.0	-7.42e-05	-7.97e-06
130	53	-6.39e-03	-3.73e-03	-0.06	0.0	-6.39e-05	-4.30e-06
130	54	-7.05e-03	-3.33e-03	-0.07	0.0	-7.01e-05	-6.50e-06
130	59	0.02	-4.62e-03	-0.08	0.0	2.43e-04	2.98e-05
130	61	-0.05	3.62e-03	-0.06	0.0	-2.95e-04	-2.54e-05
130	84	0.02	-0.02	-0.06	0.0	-1.64e-04	-4.51e-05
130	91	5.33e-03	-3.86e-03	-0.07	0.0	6.96e-05	9.52e-06
130	93	-0.02	-1.32e-04	-0.06	0.0	-1.48e-04	-1.48e-05
130	116	4.83e-03	-8.84e-03	-0.06	0.0	-1.14e-04	-2.36e-05
131	18	-1.15e-03	3.75e-03	-0.10	0.0	-9.71e-05	-2.13e-05
131	19	-8.76e-04	3.88e-03	-0.06	8.33e-06	-4.79e-05	-1.84e-05
131	26	-8.88e-04	2.15e-03	-0.12	0.0	-9.88e-05	-1.46e-05
131	38	-6.73e-04	2.53e-03	-0.06	1.71e-05	-5.48e-05	-1.29e-05
131	41	-7.95e-04	2.48e-03	-0.07	5.83e-06	-7.35e-05	-1.45e-05
131	45	-6.21e-04	1.42e-03	-0.08	6.30e-06	-7.47e-05	-9.96e-06
131	47	-3.35e-04	-1.84e-04	-0.07	2.99e-05	-7.98e-05	-3.03e-06
131	51	-3.37e-04	3.86e-04	-0.06	3.32e-05	-6.52e-05	-4.14e-06
131	52	-3.86e-04	3.66e-04	-0.07	2.88e-05	-7.24e-05	-4.80e-06
131	54	-3.02e-04	-1.70e-04	-0.07	3.28e-05	-7.50e-05	-2.60e-06
131	59	8.64e-03	-1.07e-03	-0.08	3.72e-05	1.72e-04	5.87e-06
131	61	-0.01	3.47e-03	-0.06	0.0	-2.52e-04	-2.07e-05
131	84	8.37e-03	-5.90e-03	-0.06	9.20e-05	-1.49e-04	1.79e-05
131	91	3.62e-03	-5.46e-04	-0.07	3.46e-05	3.49e-05	1.09e-06
131	93	-6.04e-03	1.49e-03	-0.06	1.75e-05	-1.53e-04	-1.07e-05
131	116	3.74e-03	-2.84e-03	-0.06	6.07e-05	-1.10e-04	6.77e-06
132	4	-8.83e-03	1.65e-03	-0.10	0.0	-8.69e-05	-3.35e-05
132	22	-4.99e-03	4.59e-03	-0.08	0.0	-4.76e-05	-3.69e-05
132	26	-7.61e-03	2.12e-03	-0.12	0.0	-7.49e-05	-2.88e-05
132	34	-6.67e-03	5.38e-04	-0.08	0.0	-6.59e-05	-2.30e-05
132	41	-5.39e-03	1.94e-03	-0.07	0.0	-5.27e-05	-2.62e-05
132	45	-5.85e-03	8.50e-04	-0.08	0.0	-5.79e-05	-1.99e-05

132	46	-6.10e-03	-3.61e-03	-0.06	0.0	-6.22e-05	-5.08e-06
132	47	-6.91e-03	-2.94e-03	-0.07	0.0	-6.98e-05	-9.64e-06
132	53	-6.10e-03	-3.61e-03	-0.06	0.0	-6.22e-05	-5.08e-06
132	54	-6.58e-03	-3.21e-03	-0.06	0.0	-6.68e-05	-7.82e-06
132	59	0.02	-4.41e-03	-0.07	0.0	1.59e-04	-1.48e-05
132	61	-0.05	3.48e-03	-0.06	0.0	-3.82e-04	1.55e-05
132	84	0.02	-0.01	-0.06	0.0	1.36e-04	-4.40e-05
132	91	5.60e-03	-3.70e-03	-0.07	0.0	3.23e-05	-1.08e-05
132	93	-0.02	-1.27e-04	-0.06	0.0	-2.07e-04	2.25e-06
132	116	5.01e-03	-8.55e-03	-0.06	0.0	2.70e-05	-2.36e-05
133	4	-2.99e-04	2.25e-03	-0.10	1.55e-05	-1.01e-04	-1.64e-05
133	19	7.92e-05	4.03e-03	-0.06	1.52e-05	-4.22e-05	-1.85e-05
133	26	-2.36e-04	2.28e-03	-0.12	9.62e-06	-8.73e-05	-1.50e-05
133	34	-2.25e-04	1.48e-03	-0.08	1.62e-05	-7.54e-05	-1.12e-05
133	38	-2.20e-05	2.64e-03	-0.06	2.22e-05	-4.91e-05	-1.30e-05
133	45	-1.82e-04	1.50e-03	-0.08	1.23e-05	-6.61e-05	-1.03e-05
133	47	-2.75e-04	-1.65e-04	-0.07	3.28e-05	-7.15e-05	-3.33e-06
133	51	-1.76e-04	4.11e-04	-0.06	3.53e-05	-5.92e-05	-4.25e-06
133	54	-2.51e-04	-1.57e-04	-0.06	3.51e-05	-6.76e-05	-2.82e-06
133	59	8.27e-03	-1.11e-03	-0.07	3.88e-05	1.00e-04	2.88e-06
133	61	-0.01	3.64e-03	-0.06	4.64e-06	-3.02e-04	-1.75e-05
133	84	7.64e-03	-6.10e-03	-0.06	9.01e-05	8.28e-05	7.91e-06
133	91	3.48e-03	-5.54e-04	-0.07	3.66e-05	5.79e-06	0.0
133	93	-5.62e-03	1.58e-03	-0.06	2.09e-05	-1.72e-04	-9.37e-06
133	116	3.42e-03	-2.93e-03	-0.06	6.10e-05	2.16e-06	2.13e-06
134	18	0.01	-1.72e-03	-0.05	1.24e-04	4.50e-05	0.0
134	24	7.04e-03	-1.06e-03	-0.07	1.17e-04	4.99e-05	0.0
134	41	7.85e-03	-1.17e-03	-0.04	9.08e-05	3.52e-05	0.0
134	43	4.69e-03	-7.32e-04	-0.05	8.62e-05	3.85e-05	0.0
134	48	2.44e-05	-1.62e-04	-0.04	7.30e-05	3.95e-05	0.0
134	52	1.60e-03	-3.72e-04	-0.04	7.09e-05	3.52e-05	0.0
134	53	2.31e-05	-1.61e-04	-0.04	6.86e-05	3.68e-05	0.0
134	54	4.58e-05	-1.78e-04	-0.04	6.88e-05	3.68e-05	0.0
134	63	8.52e-03	7.93e-03	-0.05	1.16e-04	1.60e-05	0.0
134	66	-8.43e-03	-8.29e-03	-0.03	2.15e-05	5.77e-05	0.0
134	75	8.67e-03	7.86e-03	-0.05	1.10e-04	5.98e-05	0.0
134	95	3.77e-03	3.41e-03	-0.04	9.01e-05	2.75e-05	0.0
134	98	-3.68e-03	-3.76e-03	-0.03	4.75e-05	4.62e-05	0.0
134	107	3.86e-03	3.32e-03	-0.04	8.73e-05	4.68e-05	0.0
135	21	0.01	7.73e-03	-0.12	-4.00e-04	-2.43e-04	0.0
135	22	0.01	7.72e-03	-0.12	-4.04e-04	-2.60e-04	0.0
135	26	7.27e-03	4.65e-03	-0.16	-3.32e-04	-3.97e-04	0.0
135	40	7.98e-03	5.13e-03	-0.11	-2.98e-04	-2.61e-04	0.0
135	41	7.98e-03	5.13e-03	-0.11	-3.00e-04	-2.72e-04	0.0
135	45	4.84e-03	3.08e-03	-0.12	-2.25e-04	-2.88e-04	0.0
135	52	1.62e-03	9.70e-04	-0.09	-1.26e-04	-2.69e-04	0.0
135	53	-6.26e-06	-8.64e-05	-0.08	-7.42e-05	-2.62e-04	0.0
135	54	4.21e-05	-6.09e-05	-0.09	-8.65e-05	-2.77e-04	0.0
135	75	8.68e-03	3.75e-03	-0.12	-4.04e-04	-4.71e-04	0.0
135	84	-4.48e-03	-7.87e-03	-0.02	1.50e-04	4.06e-05	0.0
135	85	4.56e-03	7.75e-03	-0.15	-3.23e-04	-5.94e-04	0.0
135	107	3.87e-03	1.77e-03	-0.10	-2.35e-04	-3.64e-04	0.0
135	116	-2.06e-03	-3.80e-03	-0.06	2.73e-05	-1.32e-04	0.0
135	117	2.15e-03	3.68e-03	-0.11	-2.00e-04	-4.21e-04	0.0
136	22	0.01	6.84e-03	-0.10	-2.62e-04	-3.04e-04	0.0
136	26	7.24e-03	4.12e-03	-0.14	-2.00e-04	-3.90e-04	0.0
136	41	7.97e-03	4.54e-03	-0.09	-1.88e-04	-2.87e-04	0.0
136	45	4.82e-03	2.74e-03	-0.10	-1.34e-04	-2.80e-04	0.0
136	52	1.61e-03	8.68e-04	-0.07	-6.57e-05	-2.41e-04	0.0
136	53	-2.16e-06	-6.54e-05	-0.07	-2.94e-05	-2.23e-04	0.0
136	54	3.57e-05	-4.27e-05	-0.07	-3.75e-05	-2.37e-04	0.0
136	75	8.69e-03	3.51e-03	-0.11	-2.55e-04	-3.84e-04	0.0
136	83	8.44e-03	4.71e-03	-0.11	-2.99e-04	-3.97e-04	0.0
136	84	-4.47e-03	-7.31e-03	-0.04	1.21e-04	1.08e-05	0.0
136	107	3.87e-03	1.66e-03	-0.09	-1.39e-04	-3.04e-04	0.0
136	115	3.84e-03	2.25e-03	-0.09	-1.61e-04	-3.12e-04	0.0
136	116	-2.06e-03	-3.51e-03	-0.05	3.91e-05	-1.23e-04	0.0
137	18	0.01	5.89e-03	-0.10	-1.52e-04	-3.31e-04	0.0
137	22	0.01	5.90e-03	-0.08	-1.49e-04	-2.59e-04	0.0
137	26	7.21e-03	3.55e-03	-0.11	-9.51e-05	-3.12e-04	0.0
137	41	7.95e-03	3.92e-03	-0.07	-9.87e-05	-2.36e-04	0.0
137	45	4.81e-03	2.36e-03	-0.08	-6.08e-05	-2.22e-04	0.0
137	52	1.61e-03	7.42e-04	-0.06	-1.77e-05	-1.84e-04	0.0
137	53	2.98e-06	-6.33e-05	-0.05	6.60e-06	-1.66e-04	0.0
137	54	3.55e-05	-4.51e-05	-0.06	1.80e-06	-1.77e-04	0.0
137	75	8.70e-03	3.30e-03	-0.08	-1.48e-04	-2.82e-04	0.0
137	83	8.43e-03	4.27e-03	-0.09	-1.79e-04	-3.03e-04	0.0

137	84	-4.46e-03	-6.82e-03	-0.03	1.12e-04	1.02e-05	0.0
137	107	3.87e-03	1.53e-03	-0.07	-6.83e-05	-2.25e-04	0.0
137	115	3.84e-03	2.03e-03	-0.07	-8.33e-05	-2.37e-04	0.0
137	116	-2.06e-03	-3.26e-03	-0.05	5.50e-05	-8.96e-05	0.0
138	18	0.01	4.94e-03	-0.08	-5.74e-05	-2.53e-04	0.0
138	22	0.01	4.95e-03	-0.07	-6.57e-05	-2.03e-04	0.0
138	26	7.19e-03	2.97e-03	-0.10	-2.03e-05	-2.31e-04	0.0
138	41	7.93e-03	3.28e-03	-0.06	-3.40e-05	-1.79e-04	0.0
138	45	4.80e-03	1.97e-03	-0.07	-9.27e-06	-1.64e-04	0.0
138	52	1.61e-03	6.09e-04	-0.05	1.49e-05	-1.31e-04	0.0
138	53	8.27e-06	-6.76e-05	-0.05	3.02e-05	-1.15e-04	0.0
138	54	3.73e-05	-5.37e-05	-0.05	2.76e-05	-1.23e-04	0.0
138	75	8.71e-03	3.14e-03	-0.07	-6.94e-05	-1.94e-04	0.0
138	83	8.43e-03	3.87e-03	-0.07	-8.88e-05	-2.15e-04	0.0
138	84	-4.45e-03	-6.42e-03	-0.03	1.00e-04	1.31e-05	0.0
138	107	3.87e-03	1.43e-03	-0.06	-1.77e-05	-1.56e-04	0.0
138	115	3.84e-03	1.82e-03	-0.06	-2.74e-05	-1.67e-04	0.0
138	116	-2.05e-03	-3.05e-03	-0.04	6.27e-05	-5.88e-05	0.0
139	18	0.01	3.99e-03	-0.07	7.07e-06	-1.87e-04	0.0
139	22	0.01	4.00e-03	-0.05	-7.96e-06	-1.53e-04	0.0
139	26	7.18e-03	2.39e-03	-0.08	2.91e-05	-1.64e-04	0.0
139	41	7.91e-03	2.65e-03	-0.05	9.93e-06	-1.31e-04	0.0
139	45	4.79e-03	1.58e-03	-0.06	2.46e-05	-1.16e-04	0.0
139	52	1.61e-03	4.73e-04	-0.04	3.51e-05	-8.83e-05	0.0
139	53	1.32e-05	-7.61e-05	-0.04	4.38e-05	-7.52e-05	0.0
139	54	3.98e-05	-6.65e-05	-0.04	4.26e-05	-8.05e-05	0.0
139	75	8.71e-03	3.06e-03	-0.05	-1.54e-05	-1.61e-04	0.0
139	83	8.42e-03	3.51e-03	-0.06	-2.77e-05	-1.79e-04	0.0
139	84	-4.44e-03	-6.15e-03	-0.03	8.93e-05	-1.57e-05	0.0
139	107	3.87e-03	1.36e-03	-0.05	1.53e-05	-1.18e-04	0.0
139	115	3.83e-03	1.63e-03	-0.05	9.30e-06	-1.27e-04	0.0
139	116	-2.04e-03	-2.90e-03	-0.04	6.52e-05	-4.93e-05	0.0
140	18	0.01	3.03e-03	-0.06	4.78e-05	-1.32e-04	0.0
140	22	0.01	3.05e-03	-0.05	2.94e-05	-1.11e-04	0.0
140	25	7.16e-03	1.80e-03	-0.08	4.81e-05	-1.07e-04	0.0
140	41	7.90e-03	2.01e-03	-0.04	3.75e-05	-9.12e-05	0.0
140	44	4.77e-03	1.19e-03	-0.05	3.78e-05	-7.47e-05	0.0
140	52	1.61e-03	3.34e-04	-0.04	4.63e-05	-5.51e-05	0.0
140	53	1.71e-05	-8.76e-05	-0.04	5.06e-05	-4.46e-05	0.0
140	54	4.21e-05	-8.24e-05	-0.04	5.01e-05	-4.78e-05	0.0
140	75	8.70e-03	5.68e-03	-0.05	1.75e-05	-1.07e-04	0.0
140	83	8.41e-03	5.85e-03	-0.05	1.04e-05	-1.20e-04	0.0
140	86	-8.33e-03	-6.02e-03	-0.02	8.99e-05	2.42e-05	0.0
140	107	3.87e-03	2.50e-03	-0.04	3.45e-05	-7.56e-05	0.0
140	115	3.83e-03	2.65e-03	-0.04	3.11e-05	-8.17e-05	0.0
140	118	-3.75e-03	-2.81e-03	-0.03	6.92e-05	-1.38e-05	0.0
141	18	0.01	2.08e-03	-0.05	7.26e-05	-8.25e-05	0.0
141	22	0.01	2.10e-03	-0.04	5.28e-05	-7.17e-05	0.0
141	23	7.06e-03	1.21e-03	-0.07	6.52e-05	-5.69e-05	0.0
141	41	7.88e-03	1.37e-03	-0.04	5.44e-05	-5.59e-05	0.0
141	42	4.71e-03	7.93e-04	-0.05	4.94e-05	-3.88e-05	0.0
141	51	1.58e-03	1.92e-04	-0.04	5.24e-05	-2.57e-05	0.0
141	52	1.60e-03	1.93e-04	-0.04	5.24e-05	-2.75e-05	0.0
141	53	2.00e-05	-1.01e-04	-0.03	5.39e-05	-1.93e-05	0.0
141	54	4.38e-05	-1.00e-04	-0.03	5.39e-05	-2.11e-05	0.0
141	67	8.46e-03	5.89e-03	-0.04	5.57e-05	-6.95e-05	0.0
141	75	8.70e-03	5.92e-03	-0.04	3.75e-05	-6.66e-05	0.0
141	78	-8.61e-03	-6.12e-03	-0.03	7.03e-05	2.43e-05	0.0
141	99	3.77e-03	2.59e-03	-0.04	5.47e-05	-4.31e-05	0.0
141	107	3.87e-03	2.56e-03	-0.04	4.60e-05	-4.20e-05	0.0
141	118	-3.74e-03	-2.80e-03	-0.03	6.32e-05	2.70e-06	0.0
142	18	0.01	1.12e-03	-0.05	8.95e-05	-3.62e-05	0.0
142	19	0.01	1.16e-03	-0.04	5.52e-05	-3.34e-05	0.0
142	23	7.05e-03	6.40e-04	-0.07	7.60e-05	-2.12e-05	0.0
142	38	7.81e-03	7.38e-04	-0.04	5.70e-05	-2.25e-05	0.0
142	41	7.87e-03	7.31e-04	-0.04	6.61e-05	-2.28e-05	0.0
142	42	4.70e-03	4.10e-04	-0.05	5.70e-05	-1.28e-05	0.0
142	47	6.03e-05	-1.21e-04	-0.03	5.71e-05	0.0	0.0
142	51	1.58e-03	5.50e-05	-0.03	5.69e-05	-2.54e-06	0.0
142	52	1.60e-03	5.18e-05	-0.03	5.71e-05	-3.42e-06	0.0
142	53	2.19e-05	-1.16e-04	-0.03	5.69e-05	2.44e-06	0.0
142	54	4.49e-05	-1.19e-04	-0.03	5.70e-05	1.56e-06	0.0
142	66	-8.45e-03	-6.55e-03	-0.03	4.55e-05	3.59e-05	0.0
142	67	8.45e-03	6.22e-03	-0.04	6.86e-05	-3.25e-05	0.0
142	75	8.69e-03	6.28e-03	-0.04	4.38e-05	-3.44e-05	0.0
142	98	-3.69e-03	-2.97e-03	-0.03	5.19e-05	1.66e-05	0.0
142	99	3.76e-03	2.72e-03	-0.04	6.21e-05	-1.35e-05	0.0

142	107	3.87e-03	2.69e-03	-0.04	5.08e-05	-1.44e-05	0.0
143	18	0.01	1.69e-04	-0.05	1.04e-04	5.10e-06	0.0
143	19	0.01	2.34e-04	-0.04	6.68e-05	-4.31e-06	0.0
143	23	7.04e-03	7.07e-05	-0.07	8.59e-05	1.01e-05	0.0
143	38	7.80e-03	1.13e-04	-0.04	6.61e-05	3.35e-06	0.0
143	41	7.86e-03	9.42e-05	-0.04	7.63e-05	6.71e-06	0.0
143	42	4.70e-03	2.87e-05	-0.05	6.42e-05	1.01e-05	0.0
143	47	6.07e-05	-1.44e-04	-0.03	6.13e-05	1.99e-05	0.0
143	51	1.58e-03	-8.22e-05	-0.03	6.20e-05	1.70e-05	0.0
143	52	1.60e-03	-8.98e-05	-0.03	6.22e-05	1.67e-05	0.0
143	53	2.28e-05	-1.31e-04	-0.03	6.09e-05	2.04e-05	0.0
143	54	4.56e-05	-1.39e-04	-0.03	6.12e-05	2.01e-05	0.0
143	66	-8.44e-03	-7.07e-03	-0.03	2.85e-05	3.35e-05	0.0
143	67	8.44e-03	6.65e-03	-0.04	8.09e-05	5.11e-06	0.0
143	75	8.68e-03	6.73e-03	-0.04	9.09e-05	4.07e-05	0.0
143	98	-3.68e-03	-3.21e-03	-0.03	4.64e-05	2.58e-05	0.0
143	99	3.76e-03	2.89e-03	-0.04	7.00e-05	1.38e-05	0.0
143	107	3.87e-03	2.86e-03	-0.04	7.46e-05	2.91e-05	0.0
144	18	0.01	-7.80e-04	-0.05	1.17e-04	3.50e-05	0.0
144	24	7.04e-03	-4.99e-04	-0.07	1.11e-04	4.15e-05	0.0
144	41	7.85e-03	-5.40e-04	-0.04	8.57e-05	2.81e-05	0.0
144	43	4.70e-03	-3.53e-04	-0.05	8.18e-05	3.24e-05	0.0
144	51	1.58e-03	-2.19e-04	-0.04	6.75e-05	3.07e-05	0.0
144	52	1.60e-03	-2.31e-04	-0.04	6.77e-05	3.06e-05	0.0
144	53	2.31e-05	-1.46e-04	-0.04	6.57e-05	3.28e-05	0.0
144	54	4.58e-05	-1.59e-04	-0.04	6.60e-05	3.27e-05	0.0
144	63	8.53e-03	7.34e-03	-0.04	1.08e-04	1.50e-05	0.0
144	66	-8.43e-03	-7.66e-03	-0.03	2.40e-05	5.05e-05	0.0
144	75	8.68e-03	7.27e-03	-0.04	1.03e-04	5.48e-05	0.0
144	98	-3.68e-03	-3.47e-03	-0.03	4.71e-05	4.06e-05	0.0
144	99	3.76e-03	3.10e-03	-0.04	8.48e-05	2.42e-05	0.0
144	107	3.86e-03	3.07e-03	-0.04	8.25e-05	4.23e-05	0.0
145	18	0.01	-1.73e-03	-0.06	1.30e-04	5.32e-05	0.0
145	24	6.51e-03	-1.07e-03	-0.08	1.22e-04	5.69e-05	0.0
145	41	7.26e-03	-1.17e-03	-0.04	9.49e-05	4.10e-05	0.0
145	43	4.34e-03	-7.33e-04	-0.06	8.97e-05	4.35e-05	0.0
145	48	1.03e-05	-1.62e-04	-0.04	7.54e-05	4.30e-05	0.0
145	52	1.47e-03	-3.72e-04	-0.04	7.35e-05	3.89e-05	0.0
145	53	9.35e-06	-1.61e-04	-0.04	7.08e-05	4.01e-05	0.0
145	54	2.74e-05	-1.78e-04	-0.04	7.11e-05	4.01e-05	0.0
145	63	8.00e-03	7.93e-03	-0.05	1.23e-04	8.52e-05	0.0
145	66	-7.95e-03	-8.29e-03	-0.03	1.97e-05	-4.92e-06	0.0
145	75	8.02e-03	7.86e-03	-0.05	1.15e-04	8.51e-05	0.0
145	95	3.52e-03	3.41e-03	-0.05	9.43e-05	6.02e-05	0.0
145	98	-3.47e-03	-3.76e-03	-0.04	4.80e-05	2.01e-05	0.0
145	107	3.55e-03	3.32e-03	-0.05	9.10e-05	5.99e-05	0.0
146	18	0.01	-1.73e-03	-0.07	1.44e-04	7.74e-05	0.0
146	24	5.99e-03	-1.07e-03	-0.09	1.34e-04	7.77e-05	0.0
146	41	6.67e-03	-1.18e-03	-0.05	1.05e-04	5.85e-05	0.0
146	43	3.99e-03	-7.34e-04	-0.06	9.81e-05	5.86e-05	0.0
146	48	-3.55e-06	-1.63e-04	-0.05	8.09e-05	5.37e-05	0.0
146	52	1.34e-03	-3.73e-04	-0.05	7.95e-05	5.00e-05	0.0
146	53	-4.22e-06	-1.62e-04	-0.05	7.59e-05	5.01e-05	0.0
146	54	9.06e-06	-1.79e-04	-0.05	7.63e-05	5.02e-05	0.0
146	55	6.09e-03	7.53e-03	-0.06	1.44e-04	1.05e-04	0.0
146	63	7.53e-03	7.94e-03	-0.06	1.37e-04	1.08e-04	0.0
146	66	-7.51e-03	-8.30e-03	-0.03	1.58e-05	-7.47e-06	0.0
146	95	3.30e-03	3.41e-03	-0.05	1.04e-04	7.61e-05	0.0
146	98	-3.28e-03	-3.77e-03	-0.04	4.92e-05	2.43e-05	0.0
146	99	3.27e-03	3.34e-03	-0.05	1.04e-04	7.57e-05	0.0
147	18	9.13e-03	-1.73e-03	-0.08	1.56e-04	1.22e-04	0.0
147	22	9.13e-03	-1.69e-03	-0.06	1.28e-04	1.01e-04	0.0
147	24	5.46e-03	-1.07e-03	-0.09	1.42e-04	1.15e-04	0.0
147	41	6.08e-03	-1.18e-03	-0.06	1.13e-04	9.02e-05	0.0
147	43	3.64e-03	-7.36e-04	-0.07	1.04e-04	8.60e-05	0.0
147	48	-1.78e-05	-1.64e-04	-0.05	8.33e-05	7.27e-05	0.0
147	52	1.21e-03	-3.74e-04	-0.05	8.28e-05	7.00e-05	0.0
147	53	-1.81e-05	-1.63e-04	-0.05	7.81e-05	6.78e-05	0.0
147	54	-9.91e-06	-1.80e-04	-0.05	7.87e-05	6.80e-05	0.0
147	55	6.28e-03	7.55e-03	-0.07	1.55e-04	1.56e-04	0.0
147	66	-7.14e-03	-8.32e-03	-0.03	9.48e-06	-1.77e-05	0.0
147	91	2.71e-03	3.14e-03	-0.06	1.13e-04	1.07e-04	0.0
147	98	-3.13e-03	-3.78e-03	-0.04	4.78e-05	2.94e-05	0.0
148	18	8.25e-03	-1.74e-03	-0.09	1.43e-04	2.03e-04	0.0
148	21	8.26e-03	-1.69e-03	-0.06	1.04e-04	1.49e-04	0.0
148	24	4.94e-03	-1.08e-03	-0.10	1.27e-04	1.81e-04	0.0
148	40	5.50e-03	-1.18e-03	-0.06	9.25e-05	1.31e-04	0.0

148	41	5.50e-03	-1.18e-03	-0.06	1.03e-04	1.48e-04	0.0
148	43	3.29e-03	-7.41e-04	-0.08	9.23e-05	1.33e-04	0.0
148	48	-3.37e-05	-1.65e-04	-0.06	7.04e-05	1.00e-04	0.0
148	52	1.07e-03	-3.76e-04	-0.06	7.16e-05	1.01e-04	0.0
148	53	-3.36e-05	-1.64e-04	-0.06	6.61e-05	9.36e-05	0.0
148	54	-3.10e-05	-1.80e-04	-0.06	6.66e-05	9.39e-05	0.0
148	59	6.41e-03	7.36e-03	-0.08	1.25e-04	2.26e-04	0.0
148	66	-6.85e-03	-8.35e-03	-0.03	1.55e-05	-3.26e-05	0.0
148	91	2.81e-03	3.15e-03	-0.07	9.22e-05	1.53e-04	0.0
148	98	-3.01e-03	-3.79e-03	-0.05	4.40e-05	3.68e-05	0.0
149	18	6.42e-03	-1.76e-03	-0.09	-7.50e-05	2.09e-04	0.0
149	19	6.47e-03	-1.66e-03	-0.06	-6.19e-05	1.57e-04	0.0
149	26	3.82e-03	-1.14e-03	-0.11	-6.44e-05	1.85e-04	0.0
149	38	4.29e-03	-1.16e-03	-0.06	-5.39e-05	1.36e-04	0.0
149	41	4.27e-03	-1.20e-03	-0.07	-5.48e-05	1.52e-04	0.0
149	45	2.54e-03	-7.85e-04	-0.08	-4.77e-05	1.35e-04	0.0
149	50	-7.05e-05	-1.83e-04	-0.06	-3.75e-05	1.00e-04	0.0
149	51	8.08e-04	-3.66e-04	-0.06	-4.06e-05	1.03e-04	0.0
149	52	8.01e-04	-3.80e-04	-0.06	-3.73e-05	1.02e-04	0.0
149	54	-6.97e-05	-1.82e-04	-0.06	-3.39e-05	9.39e-05	0.0
149	56	4.77e-03	3.85e-03	-0.08	-7.61e-05	1.96e-04	0.0
149	58	-7.34e-03	-7.97e-03	-0.04	3.60e-05	3.21e-05	0.0
149	66	-6.45e-03	-8.41e-03	-0.05	3.82e-05	3.43e-05	0.0
149	88	2.07e-03	1.61e-03	-0.07	-5.24e-05	1.39e-04	0.0
149	90	-3.27e-03	-3.60e-03	-0.05	-2.88e-06	6.67e-05	0.0
149	98	-2.87e-03	-3.82e-03	-0.05	-1.53e-06	6.77e-05	0.0
150	18	5.47e-03	-1.76e-03	-0.08	-5.72e-05	1.41e-04	0.0
150	19	5.54e-03	-1.66e-03	-0.06	-5.54e-05	9.83e-05	0.0
150	26	3.23e-03	-1.14e-03	-0.10	-4.74e-05	1.31e-04	0.0
150	38	3.66e-03	-1.16e-03	-0.06	-4.80e-05	9.03e-05	0.0
150	41	3.63e-03	-1.20e-03	-0.06	-4.25e-05	1.03e-04	0.0
150	45	2.14e-03	-7.85e-04	-0.07	-3.60e-05	9.68e-05	0.0
150	50	-9.20e-05	-1.85e-04	-0.06	-3.06e-05	7.83e-05	0.0
150	51	6.70e-04	-3.68e-04	-0.05	-3.62e-05	7.65e-05	0.0
150	52	6.58e-04	-3.82e-04	-0.06	-2.97e-05	7.71e-05	0.0
150	54	-9.10e-05	-1.84e-04	-0.05	-2.68e-05	7.36e-05	0.0
150	56	5.31e-03	3.86e-03	-0.07	-6.69e-05	1.46e-04	0.0
150	58	-7.79e-03	-7.99e-03	-0.04	-9.65e-06	2.78e-05	0.0
150	66	-6.38e-03	-8.43e-03	-0.05	0.0	3.27e-05	0.0
150	88	2.30e-03	1.62e-03	-0.06	-4.48e-05	1.05e-04	0.0
150	90	-3.48e-03	-3.61e-03	-0.05	-1.94e-05	5.35e-05	0.0
150	98	-2.87e-03	-3.83e-03	-0.05	-1.46e-05	5.56e-05	0.0
151	18	4.52e-03	-1.75e-03	-0.08	0.0	1.17e-04	0.0
151	19	4.61e-03	-1.65e-03	-0.06	-2.25e-05	7.56e-05	0.0
151	26	2.64e-03	-1.13e-03	-0.10	6.22e-06	1.12e-04	0.0
151	38	3.04e-03	-1.16e-03	-0.06	-1.71e-05	7.20e-05	0.0
151	41	3.00e-03	-1.19e-03	-0.06	-1.82e-06	8.57e-05	0.0
151	45	1.75e-03	-7.78e-04	-0.07	2.71e-06	8.29e-05	0.0
151	50	-1.16e-04	-1.85e-04	-0.05	0.0	6.88e-05	0.0
151	51	5.30e-04	-3.69e-04	-0.05	-9.48e-06	6.49e-05	0.0
151	52	5.13e-04	-3.81e-04	-0.05	0.0	6.71e-05	0.0
151	54	-1.15e-04	-1.84e-04	-0.05	1.88e-06	6.54e-05	0.0
151	55	5.85e-03	7.66e-03	-0.07	2.67e-05	1.01e-04	0.0
151	57	-8.31e-03	-4.25e-03	-0.04	-1.32e-06	1.49e-05	0.0
151	66	-4.21e-03	-8.46e-03	-0.04	1.89e-05	3.88e-05	0.0
151	87	2.52e-03	3.26e-03	-0.06	1.34e-05	8.09e-05	0.0
151	89	-3.73e-03	-1.99e-03	-0.05	0.0	4.32e-05	0.0
151	98	-1.96e-03	-3.84e-03	-0.05	9.46e-06	5.35e-05	0.0
152	18	3.57e-03	-1.72e-03	-0.08	6.84e-05	1.24e-04	0.0
152	19	3.69e-03	-1.63e-03	-0.06	1.88e-05	7.38e-05	0.0
152	26	2.05e-03	-1.11e-03	-0.10	7.15e-05	1.22e-04	0.0
152	38	2.42e-03	-1.15e-03	-0.06	2.20e-05	7.21e-05	0.0
152	41	2.37e-03	-1.17e-03	-0.06	4.80e-05	9.05e-05	0.0
152	45	1.35e-03	-7.65e-04	-0.07	5.01e-05	8.92e-05	0.0
152	47	-1.54e-04	-1.88e-04	-0.06	4.60e-05	7.41e-05	0.0
152	51	3.90e-04	-3.67e-04	-0.05	2.46e-05	6.74e-05	0.0
152	52	3.68e-04	-3.76e-04	-0.06	3.70e-05	7.21e-05	0.0
152	54	-1.39e-04	-1.81e-04	-0.05	3.77e-05	7.09e-05	0.0
152	59	6.35e-03	7.49e-03	-0.07	8.46e-05	1.24e-04	0.0
152	61	-8.93e-03	-4.49e-03	-0.04	1.24e-05	3.18e-05	0.0
152	66	-4.38e-03	-8.51e-03	-0.04	-2.50e-06	4.54e-05	0.0
152	91	2.71e-03	3.21e-03	-0.06	5.89e-05	9.44e-05	0.0
152	93	-4.03e-03	-2.07e-03	-0.05	2.67e-05	5.37e-05	0.0
152	98	-2.06e-03	-3.86e-03	-0.05	1.88e-05	5.94e-05	0.0
153	18	2.63e-03	-1.68e-03	-0.09	1.28e-04	1.63e-04	0.0
153	19	2.78e-03	-1.61e-03	-0.06	5.62e-05	9.14e-05	0.0
153	26	1.48e-03	-1.08e-03	-0.11	1.28e-04	1.61e-04	0.0

153	38	1.80e-03	-1.13e-03	-0.06	5.69e-05	8.99e-05	0.0
153	41	1.74e-03	-1.14e-03	-0.07	9.13e-05	1.18e-04	0.0
153	45	9.67e-04	-7.43e-04	-0.08	9.08e-05	1.17e-04	0.0
153	47	-1.81e-04	-1.79e-04	-0.06	7.82e-05	9.75e-05	0.0
153	51	2.50e-04	-3.61e-04	-0.06	5.47e-05	8.42e-05	0.0
153	52	2.24e-04	-3.67e-04	-0.06	6.91e-05	9.31e-05	0.0
153	54	-1.64e-04	-1.75e-04	-0.06	6.86e-05	9.17e-05	0.0
153	59	6.81e-03	7.56e-03	-0.08	1.41e-04	1.73e-04	0.0
153	61	-9.64e-03	-4.52e-03	-0.04	2.11e-05	3.23e-05	0.0
153	66	-4.59e-03	-8.57e-03	-0.04	1.78e-05	3.45e-05	0.0
153	91	2.90e-03	3.24e-03	-0.07	1.01e-04	1.28e-04	0.0
153	93	-4.37e-03	-2.08e-03	-0.05	4.79e-05	6.56e-05	0.0
153	98	-2.19e-03	-3.89e-03	-0.05	4.47e-05	6.57e-05	0.0
154	18	1.71e-03	-1.62e-03	-0.10	1.45e-04	2.41e-04	0.0
154	19	1.87e-03	-1.57e-03	-0.06	7.23e-05	1.33e-04	0.0
154	26	9.08e-04	-1.03e-03	-0.12	1.41e-04	2.36e-04	0.0
154	38	1.19e-03	-1.10e-03	-0.06	7.03e-05	1.29e-04	0.0
154	41	1.12e-03	-1.10e-03	-0.07	1.03e-04	1.74e-04	0.0
154	45	5.86e-04	-7.11e-04	-0.09	1.00e-04	1.70e-04	0.0
154	47	-2.07e-04	-1.65e-04	-0.07	8.37e-05	1.40e-04	0.0
154	52	8.24e-05	-3.51e-04	-0.06	7.66e-05	1.33e-04	0.0
154	54	-1.88e-04	-1.64e-04	-0.06	7.49e-05	1.30e-04	0.0
154	59	7.26e-03	7.63e-03	-0.09	1.43e-04	2.53e-04	0.0
154	61	-0.01	-4.54e-03	-0.05	-2.46e-05	4.08e-05	0.0
154	66	-4.85e-03	-8.64e-03	-0.05	3.42e-05	4.46e-05	0.0
154	91	3.08e-03	3.28e-03	-0.07	1.05e-04	1.84e-04	0.0
154	93	-4.74e-03	-2.09e-03	-0.06	3.05e-05	9.08e-05	0.0
154	98	-2.33e-03	-3.91e-03	-0.06	5.61e-05	9.09e-05	0.0
155	4	-1.83e-04	-9.13e-04	-0.11	-8.65e-05	2.57e-04	0.0
155	15	1.04e-04	-1.48e-03	-0.09	-6.27e-05	1.76e-04	0.0
155	26	-1.28e-04	-8.98e-04	-0.12	-7.99e-05	2.38e-04	0.0
155	34	-1.45e-04	-6.31e-04	-0.08	-6.22e-05	1.84e-04	0.0
155	38	4.59e-05	-1.01e-03	-0.06	-4.63e-05	1.30e-04	0.0
155	45	-1.09e-04	-6.21e-04	-0.09	-5.77e-05	1.71e-04	0.0
155	47	-2.32e-04	-1.27e-04	-0.07	-4.52e-05	1.37e-04	0.0
155	51	-1.39e-04	-3.14e-04	-0.06	-3.97e-05	1.14e-04	0.0
155	53	-1.85e-04	-1.41e-04	-0.06	-3.81e-05	1.10e-04	0.0
155	54	-2.13e-04	-1.33e-04	-0.06	-4.23e-05	1.26e-04	0.0
155	56	0.01	4.07e-03	-0.09	-9.81e-05	2.37e-04	0.0
155	61	-0.01	-4.56e-03	-0.04	1.10e-05	1.92e-05	0.0
155	66	-5.43e-03	-8.76e-03	-0.05	-1.38e-05	7.05e-05	0.0
155	88	4.95e-03	1.74e-03	-0.08	-6.67e-05	1.75e-04	0.0
155	93	-5.49e-03	-2.08e-03	-0.05	-1.89e-05	7.89e-05	0.0
155	98	-2.63e-03	-3.95e-03	-0.06	-2.98e-05	1.02e-04	0.0
156	15	-6.81e-04	-1.39e-03	-0.08	-3.45e-05	1.22e-04	0.0
156	18	-7.79e-04	-1.33e-03	-0.10	-4.36e-05	1.73e-04	0.0
156	26	-5.92e-04	-8.14e-04	-0.12	-3.74e-05	1.73e-04	0.0
156	38	-4.79e-04	-9.47e-04	-0.06	-2.47e-05	8.97e-05	0.0
156	41	-5.44e-04	-9.11e-04	-0.07	-3.07e-05	1.24e-04	0.0
156	45	-4.19e-04	-5.64e-04	-0.08	-2.66e-05	1.24e-04	0.0
156	47	-2.35e-04	-1.03e-04	-0.06	-1.58e-05	9.94e-05	0.0
156	51	-2.49e-04	-2.92e-04	-0.06	-1.64e-05	8.12e-05	0.0
156	52	-2.75e-04	-2.77e-04	-0.06	-1.73e-05	9.34e-05	0.0
156	53	-1.92e-04	-1.28e-04	-0.06	-1.44e-05	7.91e-05	0.0
156	54	-2.18e-04	-1.13e-04	-0.06	-1.52e-05	9.13e-05	0.0
156	60	0.01	4.35e-03	-0.09	-4.75e-05	1.65e-04	0.0
156	61	-0.01	-4.57e-03	-0.04	1.70e-05	1.74e-05	0.0
156	66	-5.74e-03	-8.80e-03	-0.05	1.16e-05	5.62e-05	0.0
156	92	5.41e-03	1.84e-03	-0.07	-2.91e-05	1.24e-04	0.0
156	93	-5.85e-03	-2.07e-03	-0.05	-1.36e-06	5.85e-05	0.0
156	98	-2.78e-03	-3.95e-03	-0.06	-3.64e-06	7.56e-05	0.0
157	15	-1.42e-03	-1.30e-03	-0.08	3.82e-05	1.01e-04	0.0
157	18	-1.50e-03	-1.22e-03	-0.10	5.92e-05	1.51e-04	0.0
157	26	-1.01e-03	-7.29e-04	-0.12	6.43e-05	1.54e-04	0.0
157	38	-9.75e-04	-8.88e-04	-0.06	3.02e-05	7.48e-05	0.0
157	41	-1.03e-03	-8.36e-04	-0.07	4.42e-05	1.08e-04	0.0
157	45	-7.00e-04	-5.06e-04	-0.08	4.75e-05	1.10e-04	0.0
157	47	-2.25e-04	-7.70e-05	-0.07	5.02e-05	8.80e-05	0.0
157	51	-3.48e-04	-2.68e-04	-0.06	3.75e-05	6.93e-05	0.0
157	52	-3.68e-04	-2.47e-04	-0.06	4.41e-05	8.13e-05	0.0
157	53	-1.91e-04	-1.13e-04	-0.06	3.94e-05	6.79e-05	0.0
157	54	-2.12e-04	-9.15e-05	-0.06	4.59e-05	8.00e-05	0.0
157	60	0.01	4.41e-03	-0.09	7.02e-05	1.38e-04	0.0
157	61	-0.01	-4.59e-03	-0.04	2.16e-05	2.19e-05	0.0
157	66	-6.08e-03	-8.86e-03	-0.05	7.68e-05	5.53e-05	0.0
157	92	5.80e-03	1.88e-03	-0.07	5.65e-05	1.06e-04	0.0
157	93	-6.22e-03	-2.07e-03	-0.05	3.53e-05	5.41e-05	0.0

157	98	-2.94e-03	-3.97e-03	-0.06	5.97e-05	6.87e-05	0.0
158	15	-2.12e-03	-1.23e-03	-0.09	1.34e-04	1.13e-04	0.0
158	18	-2.17e-03	-1.13e-03	-0.10	1.93e-04	1.74e-04	0.0
158	26	-1.39e-03	-6.57e-04	-0.12	1.97e-04	1.79e-04	0.0
158	38	-1.44e-03	-8.41e-04	-0.07	1.02e-04	8.39e-05	0.0
158	41	-1.47e-03	-7.74e-04	-0.08	1.42e-04	1.24e-04	0.0
158	45	-9.54e-04	-4.57e-04	-0.09	1.44e-04	1.28e-04	0.0
158	47	-2.03e-04	-5.36e-05	-0.07	1.36e-04	1.04e-04	0.0
158	51	-4.36e-04	-2.48e-04	-0.06	1.08e-04	7.96e-05	0.0
158	52	-4.47e-04	-2.20e-04	-0.07	1.24e-04	9.50e-05	0.0
158	53	-1.84e-04	-1.00e-04	-0.06	1.09e-04	7.85e-05	0.0
158	54	-1.95e-04	-7.23e-05	-0.07	1.25e-04	9.39e-05	0.0
158	59	9.63e-03	8.05e-03	-0.09	2.03e-04	1.74e-04	0.0
158	61	-0.01	-4.62e-03	-0.05	7.43e-05	3.71e-05	0.0
158	66	-0.01	-8.92e-03	-0.05	6.47e-05	3.54e-05	0.0
158	91	4.11e-03	3.51e-03	-0.08	1.60e-04	1.30e-04	0.0
158	93	-6.60e-03	-2.07e-03	-0.06	1.03e-04	6.90e-05	0.0
158	98	-4.90e-03	-3.98e-03	-0.06	9.75e-05	6.73e-05	0.0
159	15	-2.80e-03	-1.19e-03	-0.10	2.37e-04	1.60e-04	0.0
159	18	-2.80e-03	-1.07e-03	-0.12	3.38e-04	2.47e-04	0.0
159	26	-1.74e-03	-6.07e-04	-0.14	3.38e-04	2.54e-04	0.0
159	38	-1.89e-03	-8.12e-04	-0.07	1.80e-04	1.19e-04	0.0
159	41	-1.90e-03	-7.33e-04	-0.09	2.47e-04	1.77e-04	0.0
159	45	-1.19e-03	-4.24e-04	-0.10	2.47e-04	1.81e-04	0.0
159	47	-1.72e-04	-3.55e-05	-0.08	2.27e-04	1.52e-04	0.0
159	51	-5.16e-04	-2.35e-04	-0.07	1.83e-04	1.15e-04	0.0
159	52	-5.16e-04	-2.02e-04	-0.08	2.09e-04	1.37e-04	0.0
159	53	-1.72e-04	-9.10e-05	-0.07	1.84e-04	1.14e-04	0.0
159	54	-1.72e-04	-5.77e-05	-0.08	2.10e-04	1.36e-04	0.0
159	59	0.01	8.15e-03	-0.11	2.86e-04	2.88e-04	0.0
159	61	-0.02	-4.66e-03	-0.05	9.56e-05	3.32e-05	0.0
159	66	-0.01	-9.00e-03	-0.06	1.64e-04	1.52e-05	0.0
159	91	4.37e-03	3.57e-03	-0.09	2.43e-04	2.04e-04	0.0
159	93	-6.99e-03	-2.07e-03	-0.07	1.59e-04	9.11e-05	0.0
159	98	-5.23e-03	-4.01e-03	-0.07	1.88e-04	8.17e-05	0.0
160	15	-3.47e-03	-1.18e-03	-0.12	3.31e-04	2.41e-04	0.0
160	16	-3.48e-03	-1.17e-03	-0.12	3.45e-04	2.52e-04	0.0
160	26	-2.09e-03	-5.78e-04	-0.17	4.59e-04	3.82e-04	0.0
160	38	-2.34e-03	-8.03e-04	-0.09	2.50e-04	1.80e-04	0.0
160	39	-2.35e-03	-8.02e-04	-0.09	2.59e-04	1.88e-04	0.0
160	45	-1.42e-03	-4.04e-04	-0.12	3.35e-04	2.74e-04	0.0
160	47	-1.35e-04	-2.02e-05	-0.10	3.04e-04	2.35e-04	0.0
160	51	-5.96e-04	-2.28e-04	-0.09	2.48e-04	1.77e-04	0.0
160	53	-1.58e-04	-8.44e-05	-0.09	2.48e-04	1.76e-04	0.0
160	54	-1.44e-04	-4.58e-05	-0.09	2.82e-04	2.11e-04	0.0
160	60	0.02	4.61e-03	-0.13	4.40e-04	3.72e-04	0.0
160	61	-0.02	-4.70e-03	-0.05	1.23e-04	5.04e-05	0.0
160	66	-0.01	-9.10e-03	-0.08	2.15e-04	2.68e-05	0.0
160	92	7.11e-03	2.00e-03	-0.11	3.53e-04	2.82e-04	0.0
160	93	-7.39e-03	-2.09e-03	-0.07	2.11e-04	2.11e-04	0.0
160	98	-5.59e-03	-4.05e-03	-0.09	2.51e-04	1.28e-04	0.0
161	15	-4.17e-03	-3.91e-04	-0.11	2.55e-04	3.07e-04	0.0
161	16	-4.17e-03	-3.87e-04	-0.12	2.66e-04	3.23e-04	0.0
161	26	-2.44e-03	-1.77e-04	-0.16	3.36e-04	4.64e-04	0.0
161	38	-2.81e-03	-2.78e-04	-0.09	1.92e-04	2.29e-04	0.0
161	39	-2.81e-03	-2.76e-04	-0.09	2.00e-04	2.39e-04	0.0
161	45	-1.66e-03	-1.36e-04	-0.12	2.47e-04	3.34e-04	0.0
161	47	-9.90e-05	-6.18e-05	-0.10	2.24e-04	2.84e-04	0.0
161	51	-6.78e-04	-1.34e-04	-0.09	1.89e-04	2.20e-04	0.0
161	53	-1.45e-04	-9.79e-05	-0.09	1.88e-04	2.18e-04	0.0
161	54	-1.18e-04	-7.62e-05	-0.09	2.10e-04	2.57e-04	0.0
161	56	0.01	3.66e-03	-0.12	3.12e-04	3.78e-04	0.0
161	61	-0.02	-4.00e-03	-0.07	1.13e-04	1.37e-04	0.0
161	66	-0.01	-8.11e-03	-0.08	1.28e-04	2.06e-04	0.0
161	88	5.10e-03	1.58e-03	-0.10	2.54e-04	3.11e-04	0.0
161	93	-7.82e-03	-1.80e-03	-0.08	1.67e-04	2.04e-04	0.0
161	98	-5.97e-03	-3.63e-03	-0.09	1.73e-04	2.34e-04	0.0
162	16	-4.15e-03	4.19e-04	-0.10	1.55e-04	2.18e-04	0.0
162	22	-4.05e-03	4.81e-04	-0.09	1.58e-04	2.60e-04	0.0
162	26	-2.44e-03	2.61e-04	-0.13	1.98e-04	3.16e-04	0.0
162	39	-2.79e-03	2.62e-04	-0.07	1.18e-04	1.61e-04	0.0
162	41	-2.74e-03	2.88e-04	-0.08	1.46e-04	2.23e-04	0.0
162	45	-1.66e-03	1.57e-04	-0.10	1.46e-04	2.26e-04	0.0
162	46	-1.46e-04	-1.05e-04	-0.07	1.18e-04	1.39e-04	0.0
162	47	-1.05e-04	-8.64e-05	-0.08	1.38e-04	1.84e-04	0.0
162	51	-6.75e-04	-3.18e-05	-0.07	1.17e-04	1.42e-04	0.0
162	53	-1.46e-04	-1.05e-04	-0.07	1.18e-04	1.39e-04	0.0

162	54	-1.21e-04	-9.38e-05	-0.08	1.30e-04	1.66e-04	0.0
162	56	0.01	3.04e-03	-0.10	2.05e-04	2.10e-04	0.0
162	61	-0.02	-3.38e-03	-0.06	5.91e-05	1.25e-04	0.0
162	66	-0.01	-7.29e-03	-0.07	7.06e-05	1.45e-04	0.0
162	92	7.54e-03	1.34e-03	-0.09	1.62e-04	1.84e-04	0.0
162	93	-7.79e-03	-1.53e-03	-0.07	9.88e-05	1.48e-04	0.0
162	98	-5.93e-03	-3.28e-03	-0.07	1.04e-04	1.57e-04	0.0
163	15	-4.09e-03	1.22e-03	-0.09	8.71e-05	9.11e-05	0.0
163	22	-3.98e-03	1.26e-03	-0.08	8.45e-05	1.24e-04	0.0
163	26	-2.39e-03	7.02e-04	-0.12	1.12e-04	1.50e-04	0.0
163	38	-2.75e-03	7.96e-04	-0.06	6.79e-05	6.46e-05	0.0
163	41	-2.69e-03	8.02e-04	-0.07	8.29e-05	1.01e-04	0.0
163	45	-1.62e-03	4.52e-04	-0.09	8.43e-05	1.04e-04	0.0
163	46	-1.36e-04	-1.10e-04	-0.07	7.79e-05	4.66e-05	0.0
163	47	-9.21e-05	-1.06e-04	-0.07	8.71e-05	7.01e-05	0.0
163	51	-6.59e-04	7.15e-05	-0.07	7.59e-05	5.02e-05	0.0
163	53	-1.36e-04	-1.10e-04	-0.07	7.79e-05	4.66e-05	0.0
163	54	-1.10e-04	-1.08e-04	-0.07	8.34e-05	6.07e-05	0.0
163	60	0.02	2.54e-03	-0.09	1.28e-04	2.41e-05	0.0
163	61	-0.02	-2.75e-03	-0.05	3.85e-05	9.72e-05	0.0
163	66	-0.01	-6.55e-03	-0.06	4.56e-05	1.03e-04	0.0
163	92	7.55e-03	1.04e-03	-0.08	1.04e-04	4.42e-05	0.0
163	93	-7.77e-03	-1.25e-03	-0.06	6.31e-05	7.71e-05	0.0
163	98	-5.91e-03	-2.97e-03	-0.06	6.64e-05	7.96e-05	0.0
164	15	-3.97e-03	1.96e-03	-0.08	5.54e-05	-6.32e-06	0.0
164	20	-3.97e-03	2.00e-03	-0.06	3.86e-05	0.0	0.0
164	26	-2.28e-03	1.09e-03	-0.11	6.81e-05	7.58e-06	0.0
164	38	-2.67e-03	1.29e-03	-0.06	4.51e-05	-1.04e-05	0.0
164	39	-2.67e-03	1.29e-03	-0.06	4.63e-05	-1.05e-05	0.0
164	45	-1.55e-03	7.15e-04	-0.08	5.35e-05	-1.11e-06	0.0
164	47	-5.87e-05	-1.38e-04	-0.07	6.44e-05	-2.98e-05	0.0
164	51	-6.25e-04	1.62e-04	-0.07	5.82e-05	-3.03e-05	0.0
164	53	-1.13e-04	-1.21e-04	-0.07	6.15e-05	-3.53e-05	0.0
164	54	-8.05e-05	-1.31e-04	-0.07	6.33e-05	-3.20e-05	0.0
164	60	0.02	1.85e-03	-0.09	1.10e-04	-5.90e-05	0.0
164	61	-0.02	-2.11e-03	-0.04	1.65e-05	-5.00e-06	0.0
164	78	-0.01	-5.91e-03	-0.08	1.06e-04	-5.96e-05	0.0
164	92	7.61e-03	7.21e-04	-0.08	8.48e-05	-4.49e-05	0.0
164	93	-7.78e-03	-9.83e-04	-0.06	4.17e-05	-1.91e-05	0.0
164	118	2.90e-03	-2.70e-03	-0.07	8.60e-05	-4.96e-05	0.0
165	19	-3.87e-03	2.66e-03	-0.06	2.73e-05	-3.53e-05	0.0
165	26	-2.17e-03	1.39e-03	-0.11	5.74e-05	-7.90e-05	0.0
165	38	-2.59e-03	1.72e-03	-0.07	3.96e-05	-5.11e-05	0.0
165	45	-1.47e-03	9.10e-04	-0.08	4.72e-05	-6.49e-05	0.0
165	47	-1.31e-05	-2.00e-04	-0.07	6.55e-05	-9.23e-05	0.0
165	51	-5.83e-04	2.21e-04	-0.07	5.99e-05	-7.84e-05	0.0
165	53	-7.97e-05	-1.53e-04	-0.07	6.49e-05	-8.52e-05	0.0
165	54	-3.97e-05	-1.81e-04	-0.07	6.52e-05	-8.95e-05	0.0
165	61	-0.02	-1.47e-03	-0.05	-8.79e-06	-1.37e-04	0.0
165	80	0.01	-3.51e-03	-0.10	1.60e-04	-1.39e-04	0.0
165	84	0.01	-5.42e-03	-0.10	1.62e-04	-1.40e-04	0.0
165	93	-7.79e-03	-7.24e-04	-0.06	3.11e-05	-1.10e-04	0.0
165	112	6.28e-03	-1.74e-03	-0.08	1.10e-04	-1.13e-04	0.0
165	116	5.77e-03	-2.59e-03	-0.08	1.11e-04	-1.13e-04	0.0
166	15	-4.14e-03	4.54e-03	-0.09	1.91e-05	4.34e-05	0.0
166	19	-4.14e-03	4.60e-03	-0.06	2.44e-06	4.97e-05	0.0
166	26	-2.40e-03	2.57e-03	-0.12	3.16e-05	1.74e-05	0.0
166	38	-2.78e-03	3.01e-03	-0.07	2.16e-05	2.32e-05	0.0
166	45	-1.63e-03	1.69e-03	-0.09	2.99e-05	5.94e-06	0.0
166	47	-5.53e-05	-1.98e-04	-0.08	6.01e-05	-3.31e-05	0.0
166	51	-6.38e-04	4.70e-04	-0.08	5.36e-05	-2.20e-05	0.0
166	53	-1.01e-04	-1.65e-04	-0.08	6.16e-05	-3.33e-05	0.0
166	54	-7.36e-05	-1.85e-04	-0.08	6.07e-05	-3.32e-05	0.0
166	61	-0.02	3.10e-03	-0.09	1.12e-04	-2.23e-04	0.0
166	84	0.01	-6.18e-03	-0.10	1.47e-04	-1.08e-04	0.0
166	86	6.42e-03	-3.93e-03	-0.11	2.20e-04	-2.02e-04	0.0
166	93	-7.84e-03	1.35e-03	-0.08	8.25e-05	-1.16e-04	0.0
166	116	5.79e-03	-3.02e-03	-0.09	1.01e-04	-6.77e-05	0.0
166	118	2.97e-03	-1.98e-03	-0.09	1.34e-04	-1.10e-04	0.0
167	15	-4.22e-03	6.29e-03	-0.08	-4.08e-05	5.66e-05	0.0
167	18	-4.13e-03	6.42e-03	-0.09	-6.21e-05	5.72e-05	0.0
167	26	-2.50e-03	3.91e-03	-0.12	-3.68e-05	2.04e-05	0.0
167	38	-2.84e-03	4.19e-03	-0.07	-2.11e-05	3.14e-05	0.0
167	41	-2.78e-03	4.27e-03	-0.07	-3.53e-05	3.17e-05	0.0
167	45	-1.69e-03	2.60e-03	-0.09	-1.84e-05	7.20e-06	0.0
167	47	-1.06e-04	7.41e-05	-0.08	2.65e-05	-3.77e-05	0.0
167	51	-6.86e-04	8.50e-04	-0.08	2.46e-05	-2.40e-05	0.0

167	52	-6.62e-04	8.85e-04	-0.08	1.89e-05	-2.39e-05	0.0
167	53	-1.47e-04	1.56e-05	-0.08	3.60e-05	-3.79e-05	0.0
167	54	-1.23e-04	5.07e-05	-0.08	3.03e-05	-3.78e-05	0.0
167	61	-0.02	3.87e-03	-0.10	-6.28e-05	-2.63e-04	0.0
167	62	-0.01	2.85e-04	-0.12	6.71e-06	-3.53e-04	0.0
167	85	-0.01	7.33e-03	-0.06	-5.68e-05	5.51e-05	0.0
167	93	-7.91e-03	1.86e-03	-0.09	-1.23e-05	-1.36e-04	0.0
167	117	-6.00e-03	3.51e-03	-0.07	-1.12e-05	5.15e-06	0.0
167	118	2.92e-03	-2.21e-03	-0.10	9.80e-05	-1.33e-04	0.0
168	18	-3.73e-03	8.18e-03	-0.09	-1.39e-04	9.82e-05	0.0
168	19	-3.92e-03	7.76e-03	-0.05	-1.06e-04	1.07e-04	0.0
168	26	-2.20e-03	5.15e-03	-0.11	-9.47e-05	3.70e-05	0.0
168	38	-2.63e-03	5.26e-03	-0.06	-6.49e-05	5.77e-05	0.0
168	41	-2.51e-03	5.46e-03	-0.07	-8.77e-05	5.76e-05	0.0
168	45	-1.49e-03	3.45e-03	-0.09	-5.80e-05	1.68e-05	0.0
168	47	-1.52e-05	3.51e-04	-0.09	7.48e-06	-4.59e-05	0.0
168	51	-6.03e-04	1.23e-03	-0.08	5.31e-06	-2.54e-05	0.0
168	52	-5.55e-04	1.31e-03	-0.08	-3.92e-06	-2.52e-05	0.0
168	53	-9.55e-05	2.17e-04	-0.08	2.29e-05	-4.62e-05	0.0
168	54	-4.73e-05	2.97e-04	-0.08	1.36e-05	-4.60e-05	0.0
168	61	-0.02	4.54e-03	-0.12	4.19e-05	-3.25e-04	0.0
168	62	-0.01	4.41e-04	-0.14	1.46e-04	-4.50e-04	0.0
168	85	-0.01	8.54e-03	-0.06	-1.21e-04	8.65e-05	0.0
168	93	-7.91e-03	2.33e-03	-0.10	2.52e-05	-1.68e-04	0.0
168	94	-5.24e-03	3.63e-04	-0.11	7.47e-05	-2.26e-04	0.0
168	117	-5.93e-03	4.23e-03	-0.07	-5.10e-05	1.56e-05	0.0
169	18	-3.24e-03	8.81e-03	-0.08	-2.27e-04	1.54e-04	0.0
169	19	-3.58e-03	8.47e-03	-0.04	-1.84e-04	1.63e-04	0.0
169	26	-1.82e-03	5.51e-03	-0.11	-1.51e-04	6.06e-05	0.0
169	38	-2.37e-03	5.73e-03	-0.06	-1.19e-04	9.15e-05	0.0
169	41	-2.18e-03	5.89e-03	-0.06	-1.46e-04	9.23e-05	0.0
169	45	-1.23e-03	3.69e-03	-0.08	-9.51e-05	3.03e-05	0.0
169	47	1.18e-04	3.25e-04	-0.09	1.39e-06	-5.64e-05	0.0
169	51	-4.85e-04	1.32e-03	-0.08	-7.71e-06	-2.80e-05	0.0
169	52	-4.07e-04	1.39e-03	-0.08	-1.89e-05	-2.71e-05	0.0
169	54	6.54e-05	2.84e-04	-0.09	8.85e-06	-5.70e-05	0.0
169	60	0.02	-4.16e-03	-0.03	-4.99e-05	3.27e-04	0.0
169	62	-0.01	4.56e-04	-0.17	2.12e-04	-6.33e-04	0.0
169	85	-0.01	8.82e-03	-0.05	-1.77e-04	1.49e-04	0.0
169	92	8.02e-03	-1.85e-03	-0.06	-1.55e-05	1.11e-04	0.0
169	94	-5.23e-03	3.69e-04	-0.13	1.02e-04	-3.13e-04	0.0
169	117	-5.83e-03	4.37e-03	-0.07	-8.04e-05	3.92e-05	0.0
170	18	-2.92e-03	9.00e-03	-0.09	-2.79e-04	8.74e-05	0.0
170	19	-3.09e-03	8.87e-03	-0.05	-2.23e-04	1.03e-04	0.0
170	26	-1.72e-03	5.51e-03	-0.12	-1.85e-04	1.82e-05	0.0
170	38	-2.07e-03	5.96e-03	-0.06	-1.45e-04	5.03e-05	0.0
170	41	-1.97e-03	6.01e-03	-0.07	-1.79e-04	4.87e-05	0.0
170	45	-1.17e-03	3.69e-03	-0.09	-1.17e-04	2.61e-06	0.0
170	47	-1.79e-06	1.67e-04	-0.09	0.0	-5.93e-05	0.0
170	51	-4.71e-04	1.30e-03	-0.08	-1.06e-05	-3.72e-05	0.0
170	52	-4.29e-04	1.32e-03	-0.08	-2.49e-05	-3.74e-05	0.0
170	53	-7.05e-05	1.34e-04	-0.09	2.29e-05	-5.91e-05	0.0
170	54	-2.93e-05	1.54e-04	-0.09	8.65e-06	-5.92e-05	0.0
170	61	-0.02	4.96e-03	-0.16	1.80e-04	-4.60e-04	0.0
170	62	-0.01	6.55e-04	-0.20	3.77e-04	-6.40e-04	0.0
170	85	-0.01	8.72e-03	-0.05	-2.29e-04	1.29e-04	0.0
170	93	-7.53e-03	2.45e-03	-0.12	8.20e-05	-2.35e-04	0.0
170	94	-5.04e-03	3.82e-04	-0.14	1.74e-04	-3.17e-04	0.0
170	117	-5.55e-03	4.26e-03	-0.07	-1.05e-04	2.75e-05	0.0
171	15	-2.78e-03	8.85e-03	-0.09	-2.02e-04	9.39e-06	0.0
171	18	-2.77e-03	8.93e-03	-0.10	-2.61e-04	-8.91e-06	0.0
171	26	-1.76e-03	5.46e-03	-0.13	-1.88e-04	-4.85e-05	0.0
171	38	-1.88e-03	5.91e-03	-0.07	-1.30e-04	-3.02e-06	0.0
171	41	-1.88e-03	5.96e-03	-0.08	-1.70e-04	-1.52e-05	0.0
171	45	-1.20e-03	3.65e-03	-0.10	-1.21e-04	-4.16e-05	0.0
171	47	-1.75e-04	1.46e-04	-0.09	-2.13e-05	-7.28e-05	0.0
171	51	-5.19e-04	1.27e-03	-0.08	-2.17e-05	-5.27e-05	0.0
171	52	-5.17e-04	1.29e-03	-0.09	-3.77e-05	-5.73e-05	0.0
171	53	-1.79e-04	1.11e-04	-0.09	5.50e-06	-6.51e-05	0.0
171	54	-1.77e-04	1.32e-04	-0.09	-1.06e-05	-6.97e-05	0.0
171	61	-0.02	4.94e-03	-0.15	8.67e-05	-3.96e-04	0.0
171	62	-0.01	6.37e-04	-0.18	2.44e-04	-5.27e-04	0.0
171	85	-0.01	8.69e-03	-0.06	-2.05e-04	6.41e-05	0.0
171	93	-7.24e-03	2.43e-03	-0.12	3.05e-05	-2.13e-04	0.0
171	94	-4.90e-03	3.62e-04	-0.13	1.05e-04	-2.73e-04	0.0
171	117	-5.35e-03	4.24e-03	-0.08	-1.04e-04	-8.26e-06	0.0
172	18	-2.76e-03	9.06e-03	-0.12	-2.44e-04	-1.16e-04	0.0

172	26	-1.88e-03	5.57e-03	-0.14	-1.85e-04	-1.32e-04	0.0
172	41	-1.88e-03	6.05e-03	-0.09	-1.61e-04	-8.89e-05	0.0
172	45	-1.29e-03	3.72e-03	-0.10	-1.21e-04	-9.93e-05	0.0
172	47	-3.61e-04	1.79e-04	-0.09	-3.30e-05	-1.05e-04	0.0
172	52	-6.30e-04	1.33e-03	-0.09	-4.55e-05	-9.28e-05	0.0
172	54	-3.34e-04	1.60e-04	-0.09	-2.25e-05	-9.77e-05	0.0
172	61	-0.01	5.02e-03	-0.15	3.08e-05	-3.81e-04	0.0
172	62	-0.01	6.60e-04	-0.17	1.59e-04	-4.93e-04	0.0
172	85	-0.01	8.84e-03	-0.07	-1.85e-04	2.03e-05	0.0
172	93	-6.89e-03	2.49e-03	-0.12	0.0	-2.22e-04	0.0
172	94	-4.70e-03	3.88e-04	-0.13	6.07e-05	-2.74e-04	0.0
172	117	-5.14e-03	4.33e-03	-0.08	-1.01e-04	-4.30e-05	0.0
173	18	-1.49e-03	9.55e-03	-0.14	-1.15e-05	-2.43e-04	0.0
173	26	-1.17e-03	5.94e-03	-0.15	-1.03e-05	-2.35e-04	0.0
173	41	-1.02e-03	6.38e-03	-0.10	0.0	-1.76e-04	0.0
173	45	-8.17e-04	3.98e-03	-0.11	0.0	-1.71e-04	0.0
173	47	-4.45e-04	2.93e-04	-0.10	3.35e-05	-1.50e-04	0.0
173	52	-4.97e-04	1.46e-03	-0.09	3.42e-05	-1.39e-04	0.0
173	54	-3.94e-04	2.56e-04	-0.09	3.94e-05	-1.37e-04	0.0
173	61	-0.01	5.21e-03	-0.16	1.28e-04	-4.65e-04	0.0
173	85	-8.98e-03	9.31e-03	-0.14	-1.56e-05	-3.63e-04	0.0
173	93	-6.03e-03	2.63e-03	-0.12	7.83e-05	-2.84e-04	0.0
173	117	-4.40e-03	4.60e-03	-0.11	1.46e-05	-2.43e-04	0.0
174	4	-6.93e-04	6.08e-03	-0.15	9.50e-06	-3.19e-04	0.0
174	18	-5.39e-04	9.63e-03	-0.14	1.76e-05	-2.67e-04	0.0
174	26	-5.74e-04	6.01e-03	-0.15	8.01e-06	-2.72e-04	0.0
174	34	-4.92e-04	4.07e-03	-0.11	1.34e-05	-2.28e-04	0.0
174	41	-3.89e-04	6.44e-03	-0.10	1.87e-05	-1.94e-04	0.0
174	45	-4.13e-04	4.02e-03	-0.11	1.24e-05	-1.97e-04	0.0
174	47	-4.00e-04	3.12e-04	-0.09	3.13e-05	-1.80e-04	0.0
174	52	-3.36e-04	1.48e-03	-0.09	3.53e-05	-1.57e-04	0.0
174	54	-3.50e-04	2.70e-04	-0.09	3.66e-05	-1.59e-04	0.0
174	61	-0.01	5.24e-03	-0.15	1.05e-04	-4.69e-04	0.0
174	85	-8.15e-03	9.43e-03	-0.13	-1.01e-05	-3.58e-04	0.0
174	93	-5.61e-03	2.66e-03	-0.12	6.65e-05	-2.97e-04	0.0
174	117	-3.98e-03	4.66e-03	-0.11	1.56e-05	-2.51e-04	0.0
175	18	1.82e-03	9.43e-03	-0.12	2.88e-04	-2.64e-04	0.0
175	19	2.02e-03	9.12e-03	-0.07	1.60e-04	-1.12e-04	0.0
175	26	9.64e-04	5.85e-03	-0.14	2.59e-04	-2.66e-04	0.0
175	38	1.30e-03	6.14e-03	-0.07	1.43e-04	-1.17e-04	0.0
175	41	1.20e-03	6.29e-03	-0.09	2.06e-04	-1.91e-04	0.0
175	45	6.25e-04	3.91e-03	-0.10	1.86e-04	-1.92e-04	0.0
175	47	-2.11e-04	2.54e-04	-0.08	1.50e-04	-1.72e-04	0.0
175	52	1.06e-04	1.41e-03	-0.08	1.40e-04	-1.51e-04	0.0
175	54	-1.82e-04	2.13e-04	-0.08	1.33e-04	-1.52e-04	0.0
175	61	-0.01	5.10e-03	-0.13	2.96e-04	-4.09e-04	0.0
175	85	-6.57e-03	9.21e-03	-0.11	2.90e-04	-3.30e-04	0.0
175	93	-4.73e-03	2.56e-03	-0.10	2.07e-04	-2.67e-04	0.0
175	117	-3.12e-03	4.53e-03	-0.09	2.08e-04	-2.35e-04	0.0
176	18	2.76e-03	9.22e-03	-0.10	3.11e-04	-1.42e-04	0.0
176	19	2.90e-03	8.97e-03	-0.06	1.92e-04	-5.03e-05	0.0
176	26	1.57e-03	5.69e-03	-0.12	2.60e-04	-1.56e-04	0.0
176	38	1.90e-03	6.02e-03	-0.06	1.55e-04	-6.46e-05	0.0
176	41	1.83e-03	6.15e-03	-0.07	2.18e-04	-1.05e-04	0.0
176	45	1.03e-03	3.80e-03	-0.09	1.84e-04	-1.15e-04	0.0
176	47	-1.60e-04	1.96e-04	-0.07	1.22e-04	-1.17e-04	0.0
176	51	2.88e-04	1.29e-03	-0.07	9.45e-05	-8.47e-05	0.0
176	52	2.60e-04	1.34e-03	-0.07	1.20e-04	-1.01e-04	0.0
176	54	-1.41e-04	1.60e-04	-0.07	1.05e-04	-1.06e-04	0.0
176	61	-9.64e-03	4.96e-03	-0.11	2.22e-04	-3.21e-04	0.0
176	85	-6.00e-03	9.00e-03	-0.10	2.75e-04	-2.42e-04	0.0
176	93	-4.36e-03	2.47e-03	-0.09	1.60e-04	-2.02e-04	0.0
176	117	-2.82e-03	4.40e-03	-0.08	1.87e-04	-1.68e-04	0.0
177	18	3.71e-03	9.09e-03	-0.08	2.53e-04	-5.74e-05	0.0
177	19	3.81e-03	8.88e-03	-0.05	1.73e-04	3.75e-06	0.0
177	26	2.16e-03	5.59e-03	-0.11	1.91e-04	-8.84e-05	0.0
177	38	2.51e-03	5.95e-03	-0.05	1.23e-04	-2.42e-05	0.0
177	41	2.46e-03	6.06e-03	-0.06	1.73e-04	-4.76e-05	0.0
177	45	1.43e-03	3.73e-03	-0.08	1.31e-04	-6.83e-05	0.0
177	47	-1.20e-04	1.49e-04	-0.07	5.94e-05	-9.29e-05	0.0
177	51	4.32e-04	1.25e-03	-0.06	4.41e-05	-6.66e-05	0.0
177	52	4.13e-04	1.29e-03	-0.06	6.51e-05	-7.60e-05	0.0
177	54	-1.07e-04	1.18e-04	-0.07	4.54e-05	-8.66e-05	0.0
177	57	-8.90e-03	4.39e-03	-0.10	1.39e-04	-2.91e-04	0.0
177	62	-8.92e-03	4.84e-04	-0.09	5.49e-05	-2.35e-04	0.0
177	85	2.11e-03	8.86e-03	-0.09	1.63e-04	-2.17e-04	0.0
177	89	-3.99e-03	2.17e-03	-0.08	8.97e-05	-1.77e-04	0.0

177	94	-4.01e-03	2.90e-04	-0.08	4.98e-05	-1.52e-04	0.0
177	117	9.00e-04	4.31e-03	-0.08	1.02e-04	-1.45e-04	0.0
178	18	4.65e-03	9.01e-03	-0.07	1.69e-04	4.01e-06	0.0
178	19	4.72e-03	8.82e-03	-0.04	1.36e-04	5.29e-05	0.0
178	26	2.74e-03	5.51e-03	-0.10	1.01e-04	-4.86e-05	0.0
178	38	3.12e-03	5.90e-03	-0.05	7.71e-05	6.68e-06	0.0
178	41	3.09e-03	6.01e-03	-0.05	1.10e-04	-7.24e-06	0.0
178	45	1.82e-03	3.67e-03	-0.07	6.41e-05	-4.23e-05	0.0
178	47	-8.91e-05	1.10e-04	-0.07	-1.06e-05	-9.16e-05	0.0
178	51	5.72e-04	1.21e-03	-0.06	-1.28e-05	-6.47e-05	0.0
178	52	5.58e-04	1.25e-03	-0.06	2.02e-06	-7.01e-05	0.0
178	54	-8.00e-05	8.22e-05	-0.07	-2.05e-05	-8.79e-05	0.0
178	58	-8.30e-03	9.16e-04	-0.11	-1.46e-04	-3.18e-04	0.0
178	85	1.99e-03	8.77e-03	-0.05	9.46e-05	-2.04e-05	0.0
178	90	-3.70e-03	4.80e-04	-0.08	-7.77e-05	-1.89e-04	0.0
178	117	8.50e-04	4.25e-03	-0.06	3.48e-05	-5.75e-05	0.0
179	18	5.59e-03	8.96e-03	-0.06	7.71e-05	5.28e-05	0.0
179	19	5.63e-03	8.80e-03	-0.03	8.80e-05	1.04e-04	0.0
179	26	3.32e-03	5.46e-03	-0.10	9.51e-06	-2.92e-05	0.0
179	38	3.74e-03	5.87e-03	-0.04	2.74e-05	3.26e-05	0.0
179	41	3.72e-03	5.97e-03	-0.05	4.30e-05	2.26e-05	0.0
179	45	2.21e-03	3.64e-03	-0.07	-2.07e-06	-3.20e-05	0.0
179	47	-6.16e-05	7.51e-05	-0.07	-7.08e-05	-1.12e-04	0.0
179	51	7.11e-04	1.18e-03	-0.06	-6.25e-05	-7.85e-05	0.0
179	52	7.02e-04	1.22e-03	-0.06	-5.40e-05	-8.19e-05	0.0
179	54	-5.55e-05	4.94e-05	-0.07	-7.64e-05	-1.10e-04	0.0
179	58	-7.78e-03	8.67e-04	-0.12	-2.33e-04	-4.08e-04	0.0
179	85	2.00e-03	8.72e-03	-0.05	2.50e-05	-6.78e-06	0.0
179	90	-3.45e-03	4.40e-04	-0.09	-1.46e-04	-2.41e-04	0.0
179	94	-3.43e-03	2.09e-04	-0.09	-1.48e-04	-2.41e-04	0.0
179	117	8.62e-04	4.21e-03	-0.06	-2.84e-05	-6.27e-05	0.0
180	16	6.55e-03	8.81e-03	-0.06	-3.30e-05	1.26e-04	0.0
180	18	6.54e-03	8.94e-03	-0.06	-2.56e-05	1.14e-04	0.0
180	26	3.91e-03	5.43e-03	-0.10	-7.15e-05	-1.60e-05	0.0
180	39	4.37e-03	5.87e-03	-0.04	-3.20e-05	6.66e-05	0.0
180	41	4.35e-03	5.95e-03	-0.05	-2.70e-05	5.88e-05	0.0
180	45	2.60e-03	3.61e-03	-0.07	-5.76e-05	-2.80e-05	0.0
180	47	-2.53e-05	3.61e-05	-0.08	-9.91e-05	-1.55e-04	0.0
180	51	8.60e-04	1.15e-03	-0.07	-8.75e-05	-1.06e-04	0.0
180	52	8.55e-04	1.19e-03	-0.07	-8.53e-05	-1.09e-04	0.0
180	53	-1.68e-05	-2.37e-05	-0.07	-1.03e-04	-1.50e-04	0.0
180	54	-2.19e-05	1.22e-05	-0.07	-1.00e-04	-1.53e-04	0.0
180	58	-7.33e-03	8.12e-04	-0.13	-1.88e-04	-5.49e-04	0.0
180	85	2.16e-03	8.71e-03	-0.05	-1.97e-05	-1.90e-06	0.0
180	90	-3.23e-03	3.96e-04	-0.10	-1.39e-04	-3.27e-04	0.0
180	94	-3.20e-03	1.64e-04	-0.10	-1.75e-04	-3.28e-04	0.0
180	117	9.49e-04	4.18e-03	-0.06	-6.37e-05	-8.36e-05	0.0
181	22	8.48e-03	8.85e-03	-0.05	-2.49e-04	9.54e-05	0.0
181	26	5.08e-03	5.36e-03	-0.11	-1.76e-04	-8.66e-05	0.0
181	41	5.64e-03	5.88e-03	-0.06	-1.73e-04	1.11e-06	0.0
181	45	3.38e-03	3.56e-03	-0.08	-1.15e-04	-7.69e-05	0.0
181	47	-3.48e-05	5.71e-06	-0.08	-1.89e-05	-1.85e-04	0.0
181	52	1.10e-03	1.15e-03	-0.08	-4.57e-05	-1.42e-04	0.0
181	53	-3.79e-05	-5.59e-05	-0.08	-1.04e-05	-1.75e-04	0.0
181	54	-3.60e-05	-1.89e-05	-0.08	-1.55e-05	-1.81e-04	0.0
181	65	-4.08e-03	6.43e-03	-0.14	1.50e-04	-5.46e-04	0.0
181	66	-6.98e-03	3.04e-03	-0.11	2.67e-04	-4.00e-04	0.0
181	84	-2.82e-03	-8.68e-03	-0.04	1.55e-04	1.23e-04	0.0
181	97	-1.80e-03	3.04e-03	-0.11	5.89e-05	-3.40e-04	0.0
181	98	-3.08e-03	1.42e-03	-0.10	1.13e-04	-2.77e-04	0.0
181	116	-1.30e-03	-4.17e-03	-0.06	6.65e-05	-4.73e-05	0.0
182	22	9.31e-03	8.78e-03	-0.06	-3.09e-04	-6.82e-06	0.0
182	26	5.60e-03	5.32e-03	-0.12	-2.41e-04	-1.49e-04	0.0
182	41	6.20e-03	5.84e-03	-0.07	-2.24e-04	-6.66e-05	0.0
182	45	3.73e-03	3.54e-03	-0.09	-1.60e-04	-1.17e-04	0.0
182	47	0.0	1.19e-05	-0.08	-5.27e-05	-1.83e-04	0.0
182	52	1.23e-03	1.15e-03	-0.08	-8.02e-05	-1.53e-04	0.0
182	53	-1.83e-05	-5.44e-05	-0.08	-3.88e-05	-1.71e-04	0.0
182	54	-7.05e-06	-1.46e-05	-0.08	-4.72e-05	-1.78e-04	0.0
182	65	-4.09e-03	6.38e-03	-0.13	1.29e-04	-4.69e-04	0.0
182	66	-7.23e-03	3.01e-03	-0.11	2.66e-04	-3.45e-04	0.0
182	84	-3.15e-03	-8.61e-03	-0.05	1.65e-04	6.21e-05	0.0
182	97	-1.79e-03	3.02e-03	-0.10	3.23e-05	-3.04e-04	0.0
182	98	-3.17e-03	1.41e-03	-0.09	9.63e-05	-2.51e-04	0.0
182	116	-1.45e-03	-4.14e-03	-0.07	5.52e-05	-7.39e-05	0.0
183	22	0.01	8.75e-03	-0.09	-3.80e-04	-8.42e-05	0.0
183	26	6.17e-03	5.30e-03	-0.14	-3.28e-04	-2.19e-04	0.0

183	41	6.81e-03	5.81e-03	-0.09	-2.89e-04	-1.27e-04	0.0
183	45	4.11e-03	3.52e-03	-0.10	-2.22e-04	-1.64e-04	0.0
183	47	3.15e-05	6.45e-06	-0.09	-1.05e-04	-2.06e-04	0.0
183	52	1.37e-03	1.13e-03	-0.09	-1.31e-04	-1.82e-04	0.0
183	53	-4.07e-06	-6.40e-05	-0.09	-8.45e-05	-1.91e-04	0.0
183	54	1.73e-05	-2.17e-05	-0.09	-9.65e-05	-2.00e-04	0.0
183	63	7.61e-03	-3.03e-03	-0.07	-4.30e-04	-5.71e-05	0.0
183	77	3.94e-03	6.96e-03	-0.13	-2.76e-04	-4.73e-04	0.0
183	84	-3.56e-03	-8.58e-03	-0.05	1.49e-04	3.40e-05	0.0
183	95	3.34e-03	-1.44e-03	-0.08	-2.50e-04	-1.39e-04	0.0
183	109	1.76e-03	3.32e-03	-0.11	-1.81e-04	-3.18e-04	0.0
183	116	-1.63e-03	-4.13e-03	-0.07	2.16e-05	-9.90e-05	0.0
184	22	0.01	8.66e-03	-0.11	-4.26e-04	-1.07e-04	0.0
184	26	6.83e-03	5.23e-03	-0.16	-3.85e-04	-2.69e-04	0.0
184	41	7.50e-03	5.75e-03	-0.11	-3.31e-04	-1.57e-04	0.0
184	45	4.56e-03	3.47e-03	-0.12	-2.63e-04	-2.01e-04	0.0
184	47	8.14e-05	-1.06e-05	-0.10	-1.40e-04	-2.47e-04	0.0
184	52	1.53e-03	1.10e-03	-0.10	-1.66e-04	-2.18e-04	0.0
184	53	1.56e-05	-8.67e-05	-0.09	-1.16e-04	-2.28e-04	0.0
184	54	5.51e-05	-4.10e-05	-0.10	-1.30e-04	-2.40e-04	0.0
184	75	8.10e-03	4.11e-03	-0.13	-4.95e-04	-4.31e-04	0.0
184	84	-4.00e-03	-8.54e-03	-0.04	1.45e-04	5.57e-05	0.0
184	85	4.11e-03	8.46e-03	-0.15	-4.05e-04	-5.35e-04	0.0
184	107	3.61e-03	1.96e-03	-0.11	-3.00e-04	-3.23e-04	0.0
184	116	-1.83e-03	-4.12e-03	-0.07	1.76e-06	-1.09e-04	0.0
184	117	1.94e-03	4.04e-03	-0.12	-2.62e-04	-3.70e-04	0.0
185	22	9.30e-03	7.87e-03	-0.06	-2.47e-04	-2.61e-05	0.0
185	26	5.60e-03	4.76e-03	-0.12	-1.92e-04	-1.59e-04	0.0
185	41	6.20e-03	5.23e-03	-0.07	-1.79e-04	-7.87e-05	0.0
185	45	3.73e-03	3.16e-03	-0.08	-1.28e-04	-1.24e-04	0.0
185	47	1.72e-06	-8.47e-06	-0.07	-4.17e-05	-1.80e-04	0.0
185	52	1.23e-03	1.01e-03	-0.07	-6.36e-05	-1.53e-04	0.0
185	53	-1.67e-05	-6.05e-05	-0.07	-3.01e-05	-1.68e-04	0.0
185	54	-5.64e-06	-2.93e-05	-0.07	-3.70e-05	-1.76e-04	0.0
185	66	-7.23e-03	2.85e-03	-0.09	2.06e-04	-3.27e-04	0.0
185	77	3.54e-03	6.50e-03	-0.10	-1.61e-04	-4.27e-04	0.0
185	84	-3.15e-03	-7.97e-03	-0.05	1.34e-04	4.33e-05	0.0
185	98	-3.17e-03	1.31e-03	-0.08	7.46e-05	-2.41e-04	0.0
185	109	1.55e-03	3.09e-03	-0.08	-9.59e-05	-2.84e-04	0.0
185	116	-1.45e-03	-3.83e-03	-0.06	4.53e-05	-8.08e-05	0.0
186	18	5.60e-03	8.00e-03	-0.06	4.80e-05	3.39e-05	0.0
186	19	5.64e-03	7.86e-03	-0.04	5.30e-05	8.65e-05	0.0
186	26	3.33e-03	4.87e-03	-0.09	2.42e-06	-4.04e-05	0.0
186	38	3.74e-03	5.24e-03	-0.05	1.18e-05	2.11e-05	0.0
186	41	3.72e-03	5.33e-03	-0.05	2.60e-05	1.02e-05	0.0
186	45	2.21e-03	3.24e-03	-0.07	-4.40e-06	-3.93e-05	0.0
186	47	-5.66e-05	4.99e-05	-0.06	-5.07e-05	-1.11e-04	0.0
186	51	7.15e-04	1.04e-03	-0.06	-4.83e-05	-7.97e-05	0.0
186	52	7.07e-04	1.08e-03	-0.06	-4.07e-05	-8.36e-05	0.0
186	54	-5.07e-05	2.76e-05	-0.06	-5.57e-05	-1.09e-04	0.0
186	58	-7.77e-03	6.33e-04	-0.09	-1.57e-04	-3.84e-04	0.0
186	85	2.01e-03	8.05e-03	-0.05	1.65e-05	-1.53e-05	0.0
186	90	-3.45e-03	3.23e-04	-0.08	-1.01e-04	-2.30e-04	0.0
186	94	-3.43e-03	1.14e-04	-0.08	-1.03e-04	-2.30e-04	0.0
186	117	8.67e-04	3.87e-03	-0.06	-2.14e-05	-6.62e-05	0.0
187	18	4.66e-03	8.05e-03	-0.07	1.31e-04	-8.03e-06	0.0
187	19	4.73e-03	7.89e-03	-0.04	1.02e-04	4.40e-05	0.0
187	26	2.75e-03	4.91e-03	-0.10	7.99e-05	-5.83e-05	0.0
187	38	3.13e-03	5.27e-03	-0.05	5.77e-05	0.0	0.0
187	41	3.10e-03	5.36e-03	-0.05	8.57e-05	-1.57e-05	0.0
187	45	1.83e-03	3.27e-03	-0.07	5.13e-05	-4.92e-05	0.0
187	47	-8.31e-05	7.83e-05	-0.06	-4.60e-06	-9.60e-05	0.0
187	51	5.77e-04	1.07e-03	-0.06	-9.10e-06	-6.91e-05	0.0
187	52	5.64e-04	1.11e-03	-0.06	3.62e-06	-7.50e-05	0.0
187	54	-7.43e-05	5.43e-05	-0.06	-1.31e-05	-9.21e-05	0.0
187	58	-8.29e-03	6.66e-04	-0.09	-1.03e-04	-3.17e-04	0.0
187	85	2.00e-03	8.09e-03	-0.05	7.48e-05	-2.72e-05	0.0
187	90	-3.70e-03	3.53e-04	-0.07	-5.45e-05	-1.91e-04	0.0
187	117	8.55e-04	3.90e-03	-0.06	2.92e-05	-6.30e-05	0.0
188	18	3.73e-03	8.11e-03	-0.08	2.04e-04	-6.29e-05	0.0
188	19	3.82e-03	7.94e-03	-0.05	1.37e-04	0.0	0.0
188	26	2.18e-03	4.97e-03	-0.10	1.55e-04	-9.38e-05	0.0
188	38	2.52e-03	5.31e-03	-0.05	9.81e-05	-2.84e-05	0.0
188	41	2.48e-03	5.41e-03	-0.06	1.39e-04	-5.18e-05	0.0
188	45	1.44e-03	3.32e-03	-0.07	1.07e-04	-7.24e-05	0.0
188	47	-1.13e-04	1.08e-04	-0.06	5.14e-05	-9.72e-05	0.0
188	51	4.38e-04	1.10e-03	-0.06	3.76e-05	-7.10e-05	0.0

188	52	4.20e-04	1.14e-03	-0.06	5.49e-05	-8.04e-05	0.0
188	54	-1.01e-04	8.25e-05	-0.06	3.98e-05	-9.10e-05	0.0
188	57	-8.89e-03	3.87e-03	-0.09	1.11e-04	-2.94e-04	0.0
188	62	-8.91e-03	2.67e-04	-0.08	4.62e-05	-2.39e-04	0.0
188	85	2.11e-03	8.16e-03	-0.08	1.32e-04	-2.20e-04	0.0
188	89	-3.98e-03	1.90e-03	-0.07	7.37e-05	-1.80e-04	0.0
188	94	-4.00e-03	1.73e-04	-0.07	4.28e-05	-1.56e-04	0.0
188	117	9.05e-04	3.95e-03	-0.07	8.40e-05	-1.49e-04	0.0
189	18	2.79e-03	8.21e-03	-0.09	2.46e-04	-1.32e-04	0.0
189	19	2.92e-03	8.01e-03	-0.06	1.53e-04	-4.67e-05	0.0
189	26	1.59e-03	5.05e-03	-0.11	2.06e-04	-1.48e-04	0.0
189	38	1.91e-03	5.37e-03	-0.06	1.24e-04	-6.25e-05	0.0
189	41	1.85e-03	5.48e-03	-0.07	1.73e-04	-9.91e-05	0.0
189	45	1.04e-03	3.37e-03	-0.08	1.46e-04	-1.10e-04	0.0
189	47	-1.51e-04	1.42e-04	-0.07	9.91e-05	-1.15e-04	0.0
189	51	2.96e-04	1.13e-03	-0.06	7.76e-05	-8.50e-05	0.0
189	52	2.69e-04	1.17e-03	-0.06	9.75e-05	-9.98e-05	0.0
189	54	-1.34e-04	1.14e-04	-0.06	8.59e-05	-1.05e-04	0.0
189	61	-9.63e-03	4.37e-03	-0.09	1.74e-04	-3.16e-04	0.0
189	85	-5.99e-03	8.25e-03	-0.08	2.17e-04	-2.37e-04	0.0
189	93	-4.35e-03	2.16e-03	-0.08	1.27e-04	-1.99e-04	0.0
189	117	-2.81e-03	4.01e-03	-0.07	1.49e-04	-1.66e-04	0.0
190	15	-2.77e-03	8.57e-03	-0.09	-1.45e-04	1.13e-05	0.0
190	18	-2.75e-03	8.79e-03	-0.10	-1.93e-04	-6.88e-06	0.0
190	26	-1.74e-03	5.48e-03	-0.13	-1.38e-04	-4.68e-05	0.0
190	38	-1.87e-03	5.73e-03	-0.07	-9.20e-05	-1.78e-06	0.0
190	41	-1.86e-03	5.87e-03	-0.08	-1.24e-04	-1.39e-05	0.0
190	45	-1.19e-03	3.67e-03	-0.09	-8.75e-05	-4.05e-05	0.0
190	47	-1.67e-04	2.95e-04	-0.09	-6.54e-06	-7.30e-05	0.0
190	51	-5.13e-04	1.30e-03	-0.08	-6.24e-06	-5.25e-05	0.0
190	52	-5.10e-04	1.36e-03	-0.08	-1.93e-05	-5.72e-05	0.0
190	53	-1.74e-04	1.99e-04	-0.08	1.52e-05	-6.52e-05	0.0
190	54	-1.70e-04	2.57e-04	-0.09	2.16e-06	-6.99e-05	0.0
190	61	-0.02	4.70e-03	-0.14	6.42e-05	-3.79e-04	0.0
190	62	-0.01	4.53e-04	-0.16	1.85e-04	-5.02e-04	0.0
190	85	-0.01	8.73e-03	-0.06	-1.49e-04	5.60e-05	0.0
190	93	-7.26e-03	2.39e-03	-0.11	2.82e-05	-2.05e-04	0.0
190	94	-4.91e-03	3.53e-04	-0.12	8.55e-05	-2.62e-04	0.0
190	117	-5.36e-03	4.32e-03	-0.08	-7.05e-05	-1.21e-05	0.0
191	15	-2.13e-03	-4.96e-04	-0.08	1.10e-04	1.16e-04	0.0
191	18	-2.18e-03	-4.29e-04	-0.09	1.55e-04	1.78e-04	0.0
191	26	-1.40e-03	-2.57e-04	-0.11	1.57e-04	1.83e-04	0.0
191	38	-1.45e-03	-3.49e-04	-0.06	8.42e-05	8.60e-05	0.0
191	41	-1.48e-03	-3.05e-04	-0.07	1.14e-04	1.27e-04	0.0
191	45	-9.60e-04	-1.90e-04	-0.08	1.16e-04	1.30e-04	0.0
191	47	-2.07e-04	-7.71e-05	-0.06	1.11e-04	1.06e-04	0.0
191	51	-4.38e-04	-1.56e-04	-0.06	8.95e-05	8.16e-05	0.0
191	52	-4.51e-04	-1.38e-04	-0.06	1.02e-04	9.71e-05	0.0
191	53	-1.86e-04	-1.08e-04	-0.06	9.08e-05	8.05e-05	0.0
191	54	-1.99e-04	-8.93e-05	-0.06	1.03e-04	9.60e-05	0.0
191	60	0.01	3.87e-03	-0.08	1.53e-04	1.45e-04	0.0
191	61	-0.01	-4.05e-03	-0.04	5.27e-05	4.67e-05	0.0
191	66	-0.01	-8.14e-03	-0.05	8.31e-05	4.64e-05	0.0
191	92	6.20e-03	1.65e-03	-0.07	1.25e-04	1.18e-04	0.0
191	93	-6.59e-03	-1.82e-03	-0.05	8.03e-05	7.44e-05	0.0
191	98	-4.90e-03	-3.65e-03	-0.06	9.36e-05	7.34e-05	0.0
192	15	-1.44e-03	-5.69e-04	-0.08	3.91e-05	1.03e-04	0.0
192	18	-1.52e-03	-5.16e-04	-0.09	5.61e-05	1.53e-04	0.0
192	26	-1.03e-03	-3.19e-04	-0.11	5.95e-05	1.56e-04	0.0
192	38	-9.85e-04	-3.99e-04	-0.06	3.07e-05	7.61e-05	0.0
192	41	-1.04e-03	-3.63e-04	-0.07	4.21e-05	1.09e-04	0.0
192	45	-7.11e-04	-2.32e-04	-0.08	4.43e-05	1.12e-04	0.0
192	47	-2.30e-04	-9.15e-05	-0.06	4.71e-05	8.99e-05	0.0
192	51	-3.52e-04	-1.73e-04	-0.06	3.70e-05	7.09e-05	0.0
192	52	-3.74e-04	-1.58e-04	-0.06	4.21e-05	8.31e-05	0.0
192	53	-1.94e-04	-1.16e-04	-0.06	3.85e-05	6.97e-05	0.0
192	54	-2.16e-04	-1.01e-04	-0.06	4.37e-05	8.18e-05	0.0
192	60	0.01	3.86e-03	-0.08	6.20e-05	1.32e-04	0.0
192	61	-0.01	-4.06e-03	-0.04	2.53e-05	3.12e-05	0.0
192	66	-6.07e-03	-8.13e-03	-0.05	7.16e-06	6.04e-05	0.0
192	92	5.79e-03	1.63e-03	-0.07	5.17e-05	1.04e-04	0.0
192	93	-6.22e-03	-1.84e-03	-0.05	3.57e-05	5.93e-05	0.0
192	98	-2.94e-03	-3.65e-03	-0.05	2.75e-05	7.21e-05	0.0
193	15	-6.98e-04	-6.23e-04	-0.08	-1.31e-05	1.16e-04	0.0
193	18	-8.00e-04	-5.85e-04	-0.09	-1.74e-05	1.66e-04	0.0
193	26	-6.08e-04	-3.73e-04	-0.11	-1.38e-05	1.67e-04	0.0
193	38	-4.90e-04	-4.35e-04	-0.06	-8.84e-06	8.57e-05	0.0

193	41	-5.59e-04	-4.10e-04	-0.06	-1.17e-05	1.19e-04	0.0
193	45	-4.30e-04	-2.69e-04	-0.08	-9.26e-06	1.19e-04	0.0
193	47	-2.40e-04	-1.08e-04	-0.06	-1.45e-06	9.64e-05	0.0
193	51	-2.54e-04	-1.88e-04	-0.05	-2.91e-06	7.87e-05	0.0
193	52	-2.81e-04	-1.77e-04	-0.06	-2.92e-06	9.04e-05	0.0
193	53	-1.95e-04	-1.26e-04	-0.05	-1.43e-06	7.70e-05	0.0
193	54	-2.22e-04	-1.15e-04	-0.06	-1.44e-06	8.86e-05	0.0
193	60	0.01	3.82e-03	-0.08	-2.35e-05	1.48e-04	0.0
193	61	-0.01	-4.05e-03	-0.04	2.06e-05	2.95e-05	0.0
193	66	-5.74e-03	-8.09e-03	-0.05	1.52e-05	5.97e-05	0.0
193	92	5.41e-03	1.61e-03	-0.07	-1.10e-05	1.15e-04	0.0
193	93	-5.85e-03	-1.84e-03	-0.05	8.14e-06	6.24e-05	0.0
193	98	-2.78e-03	-3.64e-03	-0.05	5.82e-06	7.57e-05	0.0
194	18	2.63e-03	-7.68e-04	-0.08	9.22e-05	1.53e-04	0.0
194	19	2.77e-03	-7.11e-04	-0.05	3.87e-05	8.65e-05	0.0
194	26	1.47e-03	-5.22e-04	-0.10	9.21e-05	1.52e-04	0.0
194	38	1.80e-03	-5.24e-04	-0.05	3.96e-05	8.54e-05	0.0
194	41	1.73e-03	-5.33e-04	-0.06	6.57e-05	1.11e-04	0.0
194	45	9.63e-04	-3.69e-04	-0.07	6.56e-05	1.10e-04	0.0
194	47	-1.83e-04	-1.83e-04	-0.05	5.72e-05	9.26e-05	0.0
194	51	2.48e-04	-2.26e-04	-0.05	3.88e-05	8.07e-05	0.0
194	52	2.22e-04	-2.30e-04	-0.05	5.00e-05	8.86e-05	0.0
194	54	-1.65e-04	-1.56e-04	-0.05	4.97e-05	8.74e-05	0.0
194	59	6.80e-03	6.82e-03	-0.07	9.92e-05	1.55e-04	0.0
194	61	-9.64e-03	-3.99e-03	-0.04	1.80e-05	3.81e-05	0.0
194	66	-4.59e-03	-7.90e-03	-0.04	1.42e-05	4.00e-05	0.0
194	91	2.89e-03	2.92e-03	-0.06	7.19e-05	1.17e-04	0.0
194	93	-4.37e-03	-1.84e-03	-0.05	3.59e-05	6.58e-05	0.0
194	98	-2.19e-03	-3.58e-03	-0.05	3.30e-05	6.59e-05	0.0
195	18	3.57e-03	-7.95e-04	-0.08	5.31e-05	1.22e-04	0.0
195	19	3.69e-03	-7.28e-04	-0.05	1.36e-05	7.30e-05	0.0
195	26	2.05e-03	-5.44e-04	-0.09	5.54e-05	1.21e-04	0.0
195	38	2.42e-03	-5.36e-04	-0.05	1.60e-05	7.15e-05	0.0
195	41	2.36e-03	-5.51e-04	-0.06	3.72e-05	8.96e-05	0.0
195	45	1.35e-03	-3.84e-04	-0.07	3.88e-05	8.84e-05	0.0
195	47	-1.55e-04	-1.64e-04	-0.05	3.57e-05	7.38e-05	0.0
195	51	3.89e-04	-2.30e-04	-0.05	1.82e-05	6.73e-05	0.0
195	52	3.67e-04	-2.37e-04	-0.05	2.83e-05	7.18e-05	0.0
195	54	-1.40e-04	-1.60e-04	-0.05	2.89e-05	7.07e-05	0.0
195	59	6.35e-03	6.78e-03	-0.06	6.57e-05	1.20e-04	0.0
195	61	-8.92e-03	-3.98e-03	-0.04	9.11e-06	3.44e-05	0.0
195	66	-4.38e-03	-7.85e-03	-0.04	-2.94e-06	4.71e-05	0.0
195	91	2.71e-03	2.90e-03	-0.06	4.55e-05	9.25e-05	0.0
195	93	-4.03e-03	-1.83e-03	-0.05	2.03e-05	5.48e-05	0.0
195	98	-2.06e-03	-3.56e-03	-0.05	1.40e-05	6.01e-05	0.0
196	18	4.51e-03	-8.11e-04	-0.07	3.76e-06	1.15e-04	0.0
196	19	4.61e-03	-7.37e-04	-0.05	-1.55e-05	7.39e-05	0.0
196	26	2.64e-03	-5.57e-04	-0.09	8.32e-06	1.12e-04	0.0
196	38	3.04e-03	-5.42e-04	-0.05	-1.19e-05	7.09e-05	0.0
196	41	3.00e-03	-5.62e-04	-0.06	1.49e-06	8.48e-05	0.0
196	45	1.75e-03	-3.92e-04	-0.07	4.53e-06	8.25e-05	0.0
196	50	-1.16e-04	-1.63e-04	-0.05	0.0	6.91e-05	0.0
196	51	5.30e-04	-2.32e-04	-0.05	-6.83e-06	6.49e-05	0.0
196	52	5.13e-04	-2.40e-04	-0.05	1.17e-06	6.71e-05	0.0
196	54	-1.15e-04	-1.62e-04	-0.05	2.44e-06	6.56e-05	0.0
196	55	5.84e-03	6.93e-03	-0.06	2.26e-05	1.13e-04	0.0
196	57	-8.31e-03	-3.77e-03	-0.04	-1.13e-06	3.24e-05	0.0
196	66	-4.21e-03	-7.82e-03	-0.04	1.45e-05	2.70e-05	0.0
196	87	2.52e-03	2.95e-03	-0.05	1.17e-05	8.64e-05	0.0
196	89	-3.73e-03	-1.76e-03	-0.05	0.0	5.10e-05	0.0
196	98	-1.96e-03	-3.54e-03	-0.05	7.83e-06	4.85e-05	0.0
197	18	5.47e-03	-8.19e-04	-0.08	-3.31e-05	1.31e-04	0.0
197	19	5.54e-03	-7.40e-04	-0.05	-3.50e-05	8.94e-05	0.0
197	26	3.23e-03	-5.64e-04	-0.09	-2.76e-05	1.24e-04	0.0
197	38	3.66e-03	-5.44e-04	-0.05	-3.11e-05	8.34e-05	0.0
197	41	3.63e-03	-5.67e-04	-0.06	-2.51e-05	9.65e-05	0.0
197	45	2.14e-03	-3.97e-04	-0.07	-2.15e-05	9.18e-05	0.0
197	50	-9.17e-05	-1.63e-04	-0.05	-2.04e-05	7.58e-05	0.0
197	51	6.70e-04	-2.31e-04	-0.05	-2.47e-05	7.31e-05	0.0
197	52	6.58e-04	-2.41e-04	-0.05	-1.92e-05	7.39e-05	0.0
197	54	-9.07e-05	-1.62e-04	-0.05	-1.76e-05	7.14e-05	0.0
197	56	5.31e-03	3.43e-03	-0.06	-3.85e-05	1.31e-04	0.0
197	58	-7.79e-03	-7.23e-03	-0.04	-1.18e-05	3.26e-05	0.0
197	66	-6.38e-03	-7.79e-03	-0.04	-2.74e-06	3.79e-05	0.0
197	88	2.29e-03	1.43e-03	-0.06	-2.72e-05	9.75e-05	0.0
197	90	-3.48e-03	-3.26e-03	-0.05	-1.52e-05	5.43e-05	0.0
197	98	-2.87e-03	-3.53e-03	-0.05	-1.10e-05	5.66e-05	0.0

198	18	9.12e-03	-8.33e-04	-0.07	1.18e-04	1.08e-04	0.0
198	22	9.12e-03	-7.91e-04	-0.05	9.58e-05	8.88e-05	0.0
198	24	5.46e-03	-5.32e-04	-0.09	1.10e-04	1.04e-04	0.0
198	41	6.08e-03	-5.76e-04	-0.05	8.59e-05	8.01e-05	0.0
198	43	3.63e-03	-3.75e-04	-0.06	8.04e-05	7.76e-05	0.0
198	48	-1.76e-05	-1.49e-04	-0.05	6.70e-05	6.73e-05	0.0
198	52	1.21e-03	-2.40e-04	-0.05	6.57e-05	6.40e-05	0.0
198	53	-1.79e-05	-1.48e-04	-0.05	6.29e-05	6.28e-05	0.0
198	54	-9.85e-06	-1.60e-04	-0.05	6.34e-05	6.29e-05	0.0
198	55	6.28e-03	6.85e-03	-0.06	1.12e-04	1.37e-04	0.0
198	66	-7.14e-03	-7.71e-03	-0.03	2.08e-05	-1.14e-05	0.0
198	91	2.71e-03	2.85e-03	-0.05	8.46e-05	9.55e-05	0.0
198	98	-3.13e-03	-3.50e-03	-0.04	4.44e-05	2.94e-05	0.0
199	18	0.01	1.11e-03	-0.05	8.25e-05	-2.47e-05	0.0
199	19	0.01	1.15e-03	-0.04	5.06e-05	-2.41e-05	0.0
199	24	6.50e-03	6.34e-04	-0.07	8.25e-05	-9.87e-06	0.0
199	38	7.20e-03	7.32e-04	-0.04	5.25e-05	-1.53e-05	0.0
199	41	7.24e-03	7.24e-04	-0.04	6.09e-05	-1.47e-05	0.0
199	43	4.33e-03	4.06e-04	-0.05	6.09e-05	-4.85e-06	0.0
199	47	3.85e-05	-1.21e-04	-0.04	5.30e-05	4.10e-06	0.0
199	51	1.45e-03	5.38e-05	-0.04	5.28e-05	1.24e-06	0.0
199	52	1.46e-03	5.04e-05	-0.04	5.29e-05	0.0	0.0
199	53	7.80e-06	-1.16e-04	-0.04	5.29e-05	5.38e-06	0.0
199	54	2.62e-05	-1.19e-04	-0.04	5.30e-05	4.61e-06	0.0
199	59	5.88e-03	5.35e-03	-0.04	6.87e-05	-1.57e-05	0.0
199	66	-7.93e-03	-6.56e-03	-0.03	4.31e-05	1.84e-05	0.0
199	75	8.00e-03	6.28e-03	-0.04	4.01e-05	2.36e-05	0.0
199	91	2.63e-03	2.30e-03	-0.04	5.97e-05	-4.36e-06	0.0
199	98	-3.46e-03	-2.97e-03	-0.03	4.86e-05	1.05e-05	0.0
199	107	3.54e-03	2.69e-03	-0.04	4.69e-05	1.31e-05	0.0
200	18	0.01	2.07e-03	-0.06	6.72e-05	-6.85e-05	0.0
200	22	0.01	2.10e-03	-0.04	4.89e-05	-5.85e-05	0.0
200	24	6.50e-03	1.21e-03	-0.07	7.17e-05	-4.82e-05	0.0
200	41	7.25e-03	1.37e-03	-0.04	5.04e-05	-4.64e-05	0.0
200	43	4.33e-03	7.91e-04	-0.05	5.33e-05	-3.28e-05	0.0
200	51	1.45e-03	1.92e-04	-0.04	4.86e-05	-2.23e-05	0.0
200	52	1.47e-03	1.93e-04	-0.04	4.84e-05	-2.39e-05	0.0
200	53	6.80e-06	-1.01e-04	-0.04	4.99e-05	-1.72e-05	0.0
200	54	2.59e-05	-1.00e-04	-0.04	4.98e-05	-1.88e-05	0.0
200	59	5.89e-03	4.80e-03	-0.05	5.63e-05	-5.02e-05	0.0
200	75	8.00e-03	5.92e-03	-0.04	3.34e-05	-5.37e-05	0.0
200	78	-7.95e-03	-6.12e-03	-0.03	6.62e-05	1.61e-05	0.0
200	99	3.49e-03	2.59e-03	-0.04	5.06e-05	-3.50e-05	0.0
200	107	3.54e-03	2.56e-03	-0.04	4.19e-05	-3.48e-05	0.0
200	118	-3.41e-03	-2.80e-03	-0.03	5.93e-05	-1.08e-06	0.0
201	18	0.01	3.03e-03	-0.06	4.53e-05	-1.09e-04	0.0
201	22	0.01	3.05e-03	-0.05	2.82e-05	-8.92e-05	0.0
201	26	6.58e-03	1.80e-03	-0.08	5.56e-05	-9.38e-05	0.0
201	41	7.26e-03	2.00e-03	-0.05	3.55e-05	-7.55e-05	0.0
201	45	4.39e-03	1.19e-03	-0.06	4.24e-05	-6.57e-05	0.0
201	52	1.47e-03	3.34e-04	-0.04	4.31e-05	-4.91e-05	0.0
201	53	5.33e-06	-8.71e-05	-0.04	4.72e-05	-4.12e-05	0.0
201	54	2.55e-05	-8.21e-05	-0.04	4.67e-05	-4.40e-05	0.0
201	67	7.89e-03	5.66e-03	-0.05	5.09e-05	-8.81e-05	0.0
201	75	8.00e-03	5.68e-03	-0.05	2.38e-05	-8.66e-05	0.0
201	86	-7.61e-03	-6.02e-03	-0.03	7.70e-05	7.92e-06	0.0
201	99	3.50e-03	2.52e-03	-0.04	4.86e-05	-6.43e-05	0.0
201	107	3.54e-03	2.50e-03	-0.04	3.56e-05	-6.39e-05	0.0
201	118	-3.41e-03	-2.81e-03	-0.03	6.13e-05	-1.94e-05	0.0
202	18	0.01	3.98e-03	-0.07	6.15e-06	-1.47e-04	0.0
202	22	0.01	4.00e-03	-0.05	-7.74e-06	-1.18e-04	0.0
202	26	6.59e-03	2.39e-03	-0.09	2.67e-05	-1.35e-04	0.0
202	41	7.28e-03	2.64e-03	-0.05	8.96e-06	-1.04e-04	0.0
202	45	4.40e-03	1.58e-03	-0.06	2.26e-05	-9.55e-05	0.0
202	52	1.47e-03	4.73e-04	-0.04	3.23e-05	-7.64e-05	0.0
202	53	3.58e-06	-7.54e-05	-0.04	4.06e-05	-6.75e-05	0.0
202	54	2.53e-05	-6.62e-05	-0.04	3.93e-05	-7.18e-05	0.0
202	67	7.90e-03	-2.79e-03	-0.06	-1.29e-05	-5.23e-05	0.0
202	75	8.01e-03	3.06e-03	-0.05	-1.55e-05	-1.08e-04	0.0
202	84	-3.94e-03	-6.15e-03	-0.04	8.57e-05	-1.28e-06	0.0
202	107	3.55e-03	1.36e-03	-0.05	1.34e-05	-8.89e-05	0.0
202	115	3.47e-03	1.63e-03	-0.05	7.22e-06	-9.49e-05	0.0
202	116	-1.81e-03	-2.90e-03	-0.04	6.17e-05	-3.85e-05	0.0
203	18	0.01	4.94e-03	-0.08	-5.92e-05	-1.93e-04	0.0
203	22	0.01	4.95e-03	-0.06	-6.59e-05	-1.50e-04	0.0
203	26	6.61e-03	2.97e-03	-0.09	-2.39e-05	-1.83e-04	0.0
203	41	7.30e-03	3.28e-03	-0.06	-3.57e-05	-1.38e-04	0.0

203	45	4.41e-03	1.97e-03	-0.07	-1.21e-05	-1.31e-04	0.0
203	52	1.47e-03	6.09e-04	-0.05	1.11e-05	-1.10e-04	0.0
203	53	1.70e-06	-6.68e-05	-0.05	2.60e-05	-1.00e-04	0.0
203	54	2.54e-05	-5.34e-05	-0.05	2.32e-05	-1.07e-04	0.0
203	75	8.01e-03	3.14e-03	-0.06	-6.92e-05	-1.63e-04	0.0
203	83	7.68e-03	3.87e-03	-0.06	-8.92e-05	-1.74e-04	0.0
203	84	-3.95e-03	-6.42e-03	-0.04	9.52e-05	-7.08e-06	0.0
203	107	3.55e-03	1.43e-03	-0.05	-2.02e-05	-1.33e-04	0.0
203	115	3.48e-03	1.82e-03	-0.06	-3.00e-05	-1.39e-04	0.0
203	116	-1.82e-03	-3.05e-03	-0.04	5.80e-05	-6.02e-05	0.0
204	18	0.01	5.89e-03	-0.09	-1.54e-04	-2.47e-04	0.0
204	22	0.01	5.90e-03	-0.07	-1.48e-04	-1.86e-04	0.0
204	26	6.64e-03	3.55e-03	-0.11	-9.96e-05	-2.44e-04	0.0
204	41	7.32e-03	3.91e-03	-0.07	-1.00e-04	-1.78e-04	0.0
204	45	4.42e-03	2.35e-03	-0.08	-6.44e-05	-1.76e-04	0.0
204	52	1.48e-03	7.41e-04	-0.06	-2.27e-05	-1.53e-04	0.0
204	53	0.0	-6.26e-05	-0.05	0.0	-1.43e-04	0.0
204	54	2.67e-05	-4.50e-05	-0.06	-4.07e-06	-1.52e-04	0.0
204	75	8.02e-03	3.29e-03	-0.07	-1.48e-04	-2.37e-04	0.0
204	83	7.70e-03	4.27e-03	-0.08	-1.79e-04	-2.43e-04	0.0
204	84	-3.96e-03	-6.82e-03	-0.04	1.04e-04	-9.74e-06	0.0
204	107	3.55e-03	1.53e-03	-0.06	-7.15e-05	-1.91e-04	0.0
204	115	3.49e-03	2.03e-03	-0.07	-8.65e-05	-1.95e-04	0.0
204	116	-1.82e-03	-3.26e-03	-0.05	4.83e-05	-8.65e-05	0.0
205	18	-1.46e-03	8.72e-03	-0.12	0.0	-2.17e-04	0.0
205	26	-1.15e-03	5.43e-03	-0.14	2.79e-06	-2.14e-04	0.0
205	41	-1.01e-03	5.82e-03	-0.09	7.78e-06	-1.58e-04	0.0
205	45	-8.01e-04	3.63e-03	-0.10	9.95e-06	-1.56e-04	0.0
205	47	-4.38e-04	2.76e-04	-0.09	4.23e-05	-1.40e-04	0.0
205	52	-4.90e-04	1.34e-03	-0.08	3.98e-05	-1.29e-04	0.0
205	54	-3.89e-04	2.37e-04	-0.08	4.59e-05	-1.29e-04	0.0
205	61	-0.01	4.68e-03	-0.13	1.28e-04	-4.34e-04	0.0
205	85	-8.97e-03	8.73e-03	-0.12	-1.38e-05	-3.31e-04	0.0
205	93	-6.03e-03	2.37e-03	-0.11	8.18e-05	-2.65e-04	0.0
205	117	-4.40e-03	4.31e-03	-0.10	1.83e-05	-2.23e-04	0.0
206	18	-2.75e-03	8.77e-03	-0.11	-1.75e-04	-1.14e-04	0.0
206	26	-1.88e-03	5.47e-03	-0.13	-1.31e-04	-1.28e-04	0.0
206	41	-1.87e-03	5.86e-03	-0.09	-1.13e-04	-8.71e-05	0.0
206	45	-1.29e-03	3.66e-03	-0.10	-8.37e-05	-9.68e-05	0.0
206	47	-3.69e-04	2.93e-04	-0.09	-1.14e-05	-1.02e-04	0.0
206	52	-6.34e-04	1.36e-03	-0.08	-2.12e-05	-9.10e-05	0.0
206	54	-3.41e-04	2.54e-04	-0.09	-3.01e-06	-9.57e-05	0.0
206	61	-0.02	4.70e-03	-0.13	3.89e-05	-3.60e-04	0.0
206	62	-0.01	4.52e-04	-0.15	1.47e-04	-4.65e-04	0.0
206	85	-0.01	8.73e-03	-0.07	-1.40e-04	1.42e-05	0.0
206	93	-6.91e-03	2.39e-03	-0.11	1.44e-05	-2.12e-04	0.0
206	94	-4.72e-03	3.51e-04	-0.11	6.56e-05	-2.60e-04	0.0
206	117	-5.16e-03	4.32e-03	-0.08	-6.87e-05	-4.47e-05	0.0
207	18	-2.30e-03	8.82e-03	-0.12	-1.07e-04	-1.96e-04	0.0
207	26	-1.67e-03	5.50e-03	-0.14	-7.67e-05	-1.95e-04	0.0
207	41	-1.57e-03	5.89e-03	-0.09	-6.59e-05	-1.44e-04	0.0
207	45	-1.15e-03	3.68e-03	-0.10	-4.53e-05	-1.43e-04	0.0
207	47	-4.56e-04	2.86e-04	-0.09	1.41e-05	-1.30e-04	0.0
207	52	-6.22e-04	1.36e-03	-0.09	5.26e-06	-1.21e-04	0.0
207	54	-4.10e-04	2.48e-04	-0.09	1.98e-05	-1.21e-04	0.0
207	61	-0.01	4.72e-03	-0.13	7.88e-05	-4.76e-04	0.0
207	62	-9.67e-03	4.50e-04	-0.14	1.57e-04	-3.69e-04	0.0
207	85	-9.84e-03	8.77e-03	-0.07	-7.61e-05	-3.60e-04	0.0
207	93	-6.47e-03	2.40e-03	-0.10	4.49e-05	-2.80e-04	0.0
207	94	-4.47e-03	3.47e-04	-0.11	8.19e-05	-2.29e-04	0.0
207	117	-4.82e-03	4.33e-03	-0.08	-2.58e-05	-2.32e-04	0.0
208	18	-2.88e-03	8.84e-03	-0.09	-2.22e-04	9.70e-05	0.0
208	19	-3.07e-03	8.51e-03	-0.05	-1.75e-04	1.13e-04	0.0
208	26	-1.68e-03	5.52e-03	-0.12	-1.49e-04	2.45e-05	0.0
208	38	-2.06e-03	5.76e-03	-0.06	-1.12e-04	5.80e-05	0.0
208	41	-1.94e-03	5.91e-03	-0.07	-1.42e-04	5.53e-05	0.0
208	45	-1.14e-03	3.69e-03	-0.09	-9.30e-05	6.93e-06	0.0
208	47	2.08e-05	3.10e-04	-0.09	2.73e-06	-5.87e-05	0.0
208	51	-4.57e-04	1.32e-03	-0.08	-3.84e-06	-3.45e-05	0.0
208	52	-4.10e-04	1.38e-03	-0.08	-1.62e-05	-3.52e-05	0.0
208	53	-5.78e-05	2.11e-04	-0.08	2.33e-05	-5.77e-05	0.0
208	54	-1.06e-05	2.70e-04	-0.09	1.09e-05	-5.83e-05	0.0
208	61	-0.02	4.73e-03	-0.14	9.17e-05	-4.61e-04	0.0
208	62	-0.01	4.62e-04	-0.17	2.34e-04	-6.41e-04	0.0
208	85	-0.01	8.79e-03	-0.06	-1.67e-04	1.29e-04	0.0
208	93	-7.55e-03	2.42e-03	-0.11	4.49e-05	-2.34e-04	0.0
208	94	-5.05e-03	3.64e-04	-0.12	1.12e-04	-3.17e-04	0.0

208	117	-5.55e-03	4.35e-03	-0.07	-7.46e-05	2.80e-05	0.0
209	18	1.79e-03	8.34e-03	-0.11	2.24e-04	-2.13e-04	0.0
209	19	1.98e-03	8.10e-03	-0.06	1.31e-04	-9.27e-05	0.0
209	26	9.51e-04	5.15e-03	-0.13	1.98e-04	-2.19e-04	0.0
209	38	1.27e-03	5.44e-03	-0.07	1.17e-04	-1.00e-04	0.0
209	41	1.18e-03	5.56e-03	-0.08	1.61e-04	-1.56e-04	0.0
209	45	6.17e-04	3.44e-03	-0.09	1.44e-04	-1.59e-04	0.0
209	47	-2.08e-04	1.83e-04	-0.07	1.17e-04	-1.49e-04	0.0
209	52	1.01e-04	1.22e-03	-0.07	1.11e-04	-1.31e-04	0.0
209	54	-1.82e-04	1.51e-04	-0.07	1.05e-04	-1.34e-04	0.0
209	61	-0.01	4.45e-03	-0.10	2.09e-04	-3.84e-04	0.0
209	85	-6.57e-03	8.37e-03	-0.09	1.96e-04	-2.97e-04	0.0
209	93	-4.73e-03	2.22e-03	-0.08	1.52e-04	-2.45e-04	0.0
209	117	-3.12e-03	4.09e-03	-0.08	1.48e-04	-2.09e-04	0.0
210	4	-5.99e-04	5.39e-03	-0.13	5.58e-05	-2.75e-04	0.0
210	18	-4.32e-04	8.57e-03	-0.12	5.10e-05	-2.36e-04	0.0
210	26	-4.92e-04	5.32e-03	-0.14	4.42e-05	-2.38e-04	0.0
210	34	-4.28e-04	3.60e-03	-0.10	4.56e-05	-1.98e-04	0.0
210	41	-3.17e-04	5.72e-03	-0.09	4.24e-05	-1.72e-04	0.0
210	45	-3.57e-04	3.56e-03	-0.10	3.78e-05	-1.73e-04	0.0
210	47	-3.74e-04	2.40e-04	-0.08	5.46e-05	-1.59e-04	0.0
210	52	-3.07e-04	1.29e-03	-0.08	5.32e-05	-1.42e-04	0.0
210	54	-3.29e-04	2.04e-04	-0.08	5.55e-05	-1.43e-04	0.0
210	61	-0.01	4.59e-03	-0.12	1.40e-04	-4.46e-04	0.0
210	85	-8.12e-03	8.59e-03	-0.11	8.16e-06	-3.39e-04	0.0
210	93	-5.59e-03	2.32e-03	-0.10	9.23e-05	-2.78e-04	0.0
210	117	-3.95e-03	4.22e-03	-0.09	3.40e-05	-2.34e-04	0.0
211	18	1.71e-03	-7.31e-04	-0.09	9.28e-05	2.05e-04	0.0
211	19	1.87e-03	-6.87e-04	-0.06	4.41e-05	1.13e-04	0.0
211	26	9.06e-04	-4.92e-04	-0.10	9.09e-05	2.03e-04	0.0
211	38	1.19e-03	-5.06e-04	-0.06	4.38e-05	1.11e-04	0.0
211	41	1.12e-03	-5.08e-04	-0.06	6.63e-05	1.49e-04	0.0
211	45	5.85e-04	-3.49e-04	-0.08	6.51e-05	1.47e-04	0.0
211	47	-2.07e-04	-1.49e-04	-0.06	5.58e-05	1.22e-04	0.0
211	52	8.21e-05	-2.20e-04	-0.06	5.04e-05	1.16e-04	0.0
211	54	-1.88e-04	-1.48e-04	-0.06	4.97e-05	1.14e-04	0.0
211	59	7.26e-03	6.88e-03	-0.07	6.71e-05	1.90e-04	0.0
211	61	-0.01	-4.01e-03	-0.04	1.46e-05	8.31e-06	0.0
211	66	-4.84e-03	-7.95e-03	-0.04	3.14e-05	6.84e-05	0.0
211	91	3.08e-03	2.95e-03	-0.06	5.72e-05	1.47e-04	0.0
211	93	-4.74e-03	-1.84e-03	-0.05	3.40e-05	6.71e-05	0.0
211	98	-2.32e-03	-3.60e-03	-0.05	4.14e-05	9.33e-05	0.0
212	22	0.01	6.85e-03	-0.08	-2.56e-04	-2.16e-04	0.0
212	26	6.68e-03	4.13e-03	-0.12	-2.01e-04	-3.07e-04	0.0
212	41	7.36e-03	4.55e-03	-0.08	-1.86e-04	-2.16e-04	0.0
212	45	4.46e-03	2.74e-03	-0.09	-1.35e-04	-2.22e-04	0.0
212	52	1.49e-03	8.69e-04	-0.07	-7.00e-05	-2.02e-04	0.0
212	53	1.14e-06	-6.48e-05	-0.06	-3.53e-05	-1.92e-04	0.0
212	54	3.13e-05	-4.26e-05	-0.07	-4.35e-05	-2.04e-04	0.0
212	75	8.04e-03	3.51e-03	-0.08	-2.59e-04	-3.28e-04	0.0
212	84	-3.98e-03	-7.31e-03	-0.04	1.17e-04	-3.53e-06	0.0
212	85	4.04e-03	7.23e-03	-0.10	-2.03e-04	-4.04e-04	0.0
212	107	3.57e-03	1.66e-03	-0.07	-1.44e-04	-2.60e-04	0.0
212	116	-1.83e-03	-3.51e-03	-0.05	3.37e-05	-1.13e-04	0.0
212	117	1.89e-03	3.43e-03	-0.08	-1.21e-04	-2.95e-04	0.0
213	22	0.01	7.81e-03	-0.08	-3.15e-04	-1.08e-04	0.0
213	26	6.16e-03	4.71e-03	-0.13	-2.61e-04	-2.34e-04	0.0
213	41	6.80e-03	5.18e-03	-0.08	-2.35e-04	-1.43e-04	0.0
213	45	4.11e-03	3.13e-03	-0.09	-1.76e-04	-1.74e-04	0.0
213	47	3.18e-05	-1.66e-05	-0.08	-7.51e-05	-2.06e-04	0.0
213	52	1.37e-03	9.99e-04	-0.08	-9.90e-05	-1.84e-04	0.0
213	53	-2.90e-06	-6.78e-05	-0.07	-5.87e-05	-1.90e-04	0.0
213	54	1.79e-05	-3.71e-05	-0.08	-6.85e-05	-2.00e-04	0.0
213	63	7.61e-03	-2.89e-03	-0.06	-3.43e-04	-7.23e-05	0.0
213	77	3.94e-03	6.45e-03	-0.11	-2.15e-04	-4.48e-04	0.0
213	84	-3.55e-03	-7.92e-03	-0.05	1.34e-04	1.57e-05	0.0
213	95	3.34e-03	-1.37e-03	-0.07	-1.95e-04	-1.45e-04	0.0
213	109	1.76e-03	3.06e-03	-0.09	-1.38e-04	-3.07e-04	0.0
213	116	-1.63e-03	-3.81e-03	-0.06	2.89e-05	-1.06e-04	0.0
214	18	1.00e-02	-8.10e-04	-0.06	1.20e-04	7.00e-05	0.0
214	24	5.98e-03	-5.18e-04	-0.08	1.13e-04	7.15e-05	0.0
214	41	6.66e-03	-5.60e-04	-0.05	8.75e-05	5.32e-05	0.0
214	43	3.98e-03	-3.66e-04	-0.06	8.28e-05	5.41e-05	0.0
214	48	-3.66e-06	-1.48e-04	-0.04	7.00e-05	5.05e-05	0.0
214	52	1.34e-03	-2.36e-04	-0.04	6.81e-05	4.66e-05	0.0
214	53	-4.33e-06	-1.47e-04	-0.04	6.57e-05	4.71e-05	0.0
214	54	8.87e-06	-1.59e-04	-0.04	6.61e-05	4.72e-05	0.0

214	55	6.09e-03	6.83e-03	-0.05	1.16e-04	9.62e-05	0.0
214	63	7.52e-03	7.37e-03	-0.05	1.10e-04	1.00e-04	0.0
214	66	-7.51e-03	-7.69e-03	-0.03	2.23e-05	-5.71e-06	0.0
214	91	2.65e-03	2.84e-03	-0.05	8.81e-05	6.84e-05	0.0
214	95	3.30e-03	3.17e-03	-0.05	8.58e-05	7.08e-05	0.0
214	98	-3.28e-03	-3.49e-03	-0.04	4.64e-05	2.35e-05	0.0
215	18	0.01	1.54e-04	-0.05	9.83e-05	1.71e-05	0.0
215	19	0.01	2.19e-04	-0.04	6.28e-05	4.85e-06	0.0
215	24	6.50e-03	6.02e-05	-0.07	9.52e-05	2.62e-05	0.0
215	38	7.20e-03	1.03e-04	-0.04	6.24e-05	1.09e-05	0.0
215	41	7.24e-03	8.42e-05	-0.04	7.21e-05	1.53e-05	0.0
215	43	4.33e-03	2.16e-05	-0.05	7.00e-05	2.13e-05	0.0
215	47	3.87e-05	-1.44e-04	-0.04	5.84e-05	2.43e-05	0.0
215	51	1.45e-03	-8.43e-05	-0.04	5.89e-05	2.20e-05	0.0
215	52	1.46e-03	-9.20e-05	-0.04	5.91e-05	2.17e-05	0.0
215	53	8.53e-06	-1.31e-04	-0.04	5.81e-05	2.47e-05	0.0
215	54	2.66e-05	-1.39e-04	-0.04	5.83e-05	2.45e-05	0.0
215	59	5.87e-03	5.97e-03	-0.04	8.18e-05	1.82e-05	0.0
215	66	-7.93e-03	-7.08e-03	-0.03	2.86e-05	3.92e-05	0.0
215	75	8.00e-03	6.74e-03	-0.04	8.56e-05	4.56e-05	0.0
215	91	2.62e-03	2.56e-03	-0.04	6.85e-05	2.18e-05	0.0
215	98	-3.46e-03	-3.21e-03	-0.03	4.49e-05	3.09e-05	0.0
215	107	3.54e-03	2.86e-03	-0.04	7.07e-05	3.36e-05	0.0
216	4	-1.96e-04	-4.44e-04	-0.09	-3.66e-05	2.23e-04	0.0
216	15	9.49e-05	-6.75e-04	-0.08	-2.68e-05	1.51e-04	0.0
216	26	-1.40e-04	-4.27e-04	-0.11	-3.48e-05	2.08e-04	0.0
216	34	-1.54e-04	-3.16e-04	-0.07	-2.62e-05	1.60e-04	0.0
216	38	3.98e-05	-4.70e-04	-0.06	-1.97e-05	1.12e-04	0.0
216	45	-1.17e-04	-3.05e-04	-0.08	-2.50e-05	1.50e-04	0.0
216	47	-2.37e-04	-1.25e-04	-0.06	-1.79e-05	1.22e-04	0.0
216	51	-1.42e-04	-2.02e-04	-0.06	-1.63e-05	1.02e-04	0.0
216	53	-1.88e-04	-1.35e-04	-0.05	-1.54e-05	9.90e-05	0.0
216	54	-2.17e-04	-1.29e-04	-0.06	-1.69e-05	1.13e-04	0.0
216	60	0.01	3.78e-03	-0.08	-7.38e-06	2.09e-04	0.0
216	61	-0.01	-4.04e-03	-0.04	-2.65e-05	1.58e-05	0.0
216	66	-5.42e-03	-8.05e-03	-0.05	-2.50e-05	6.60e-05	0.0
216	92	5.05e-03	1.58e-03	-0.07	-1.25e-05	1.56e-04	0.0
216	93	-5.49e-03	-1.84e-03	-0.05	-2.14e-05	6.97e-05	0.0
216	98	-2.63e-03	-3.63e-03	-0.05	-2.07e-05	9.18e-05	0.0
217	18	6.54e-03	7.97e-03	-0.06	-4.23e-05	6.06e-05	0.0
217	19	6.56e-03	7.85e-03	-0.03	-1.51e-05	1.25e-04	0.0
217	26	3.91e-03	4.84e-03	-0.09	-6.42e-05	-4.12e-05	0.0
217	38	4.37e-03	5.23e-03	-0.05	-3.73e-05	3.54e-05	0.0
217	41	4.36e-03	5.30e-03	-0.05	-3.50e-05	2.45e-05	0.0
217	45	2.60e-03	3.22e-03	-0.07	-4.96e-05	-4.33e-05	0.0
217	50	-3.10e-05	3.91e-06	-0.07	-7.17e-05	-1.41e-04	0.0
217	51	8.53e-04	1.02e-03	-0.06	-6.57e-05	-1.02e-04	0.0
217	52	8.48e-04	1.05e-03	-0.06	-6.31e-05	-1.06e-04	0.0
217	53	-2.59e-05	-2.92e-05	-0.07	-7.28e-05	-1.37e-04	0.0
217	54	-3.10e-05	2.38e-06	-0.07	-7.02e-05	-1.40e-04	0.0
217	58	-7.34e-03	6.03e-04	-0.10	-8.75e-05	-4.96e-04	0.0
217	85	2.15e-03	8.01e-03	-0.05	-1.35e-04	-1.07e-05	0.0
217	90	-3.24e-03	2.96e-04	-0.08	-7.78e-05	-2.97e-04	0.0
217	102	-2.82e-03	1.15e-03	-0.08	-8.81e-05	-2.93e-04	0.0
217	117	9.42e-04	3.84e-03	-0.06	-9.86e-05	-8.11e-05	0.0
218	18	6.42e-03	-8.27e-04	-0.08	-3.37e-05	1.68e-04	0.0
218	19	6.46e-03	-7.45e-04	-0.06	-2.92e-05	1.19e-04	0.0
218	26	3.81e-03	-5.69e-04	-0.10	-3.02e-05	1.55e-04	0.0
218	38	4.29e-03	-5.47e-04	-0.05	-2.69e-05	1.08e-04	0.0
218	41	4.27e-03	-5.72e-04	-0.06	-2.53e-05	1.23e-04	0.0
218	45	2.53e-03	-4.00e-04	-0.07	-2.30e-05	1.14e-04	0.0
218	50	-6.97e-05	-1.62e-04	-0.05	-2.12e-05	9.19e-05	0.0
218	51	8.08e-04	-2.31e-04	-0.05	-2.30e-05	9.04e-05	0.0
218	52	8.01e-04	-2.41e-04	-0.05	-1.99e-05	9.05e-05	0.0
218	54	-6.90e-05	-1.62e-04	-0.05	-1.90e-05	8.60e-05	0.0
218	55	7.20e-03	6.89e-03	-0.07	-5.43e-05	1.82e-04	0.0
218	58	-7.34e-03	-7.21e-03	-0.04	1.63e-05	-1.04e-05	0.0
218	66	-6.44e-03	-7.76e-03	-0.04	-4.43e-05	-4.76e-06	0.0
218	87	3.12e-03	2.93e-03	-0.06	-3.45e-05	1.29e-04	0.0
218	90	-3.26e-03	-3.25e-03	-0.05	-3.40e-06	4.35e-05	0.0
218	98	-2.87e-03	-3.52e-03	-0.05	-3.04e-05	4.58e-05	0.0
219	22	8.44e-03	7.93e-03	-0.05	-1.84e-04	5.02e-05	0.0
219	26	5.06e-03	4.80e-03	-0.11	-1.38e-04	-1.05e-04	0.0
219	41	5.62e-03	5.27e-03	-0.06	-1.31e-04	-2.56e-05	0.0
219	45	3.37e-03	3.19e-03	-0.08	-9.11e-05	-8.82e-05	0.0
219	50	-2.59e-05	-2.16e-05	-0.07	-2.14e-05	-1.73e-04	0.0
219	52	1.10e-03	1.03e-03	-0.07	-4.22e-05	-1.39e-04	0.0

219	53	-2.95e-05	-5.39e-05	-0.07	-1.71e-05	-1.65e-04	0.0
219	54	-2.63e-05	-2.28e-05	-0.07	-2.14e-05	-1.71e-04	0.0
219	65	-4.05e-03	6.01e-03	-0.10	8.49e-05	-5.10e-04	0.0
219	66	-6.95e-03	2.87e-03	-0.09	1.71e-04	-3.74e-04	0.0
219	84	-2.80e-03	-8.02e-03	-0.04	1.14e-04	1.10e-04	0.0
219	97	-1.79e-03	2.83e-03	-0.09	2.66e-05	-3.19e-04	0.0
219	98	-3.06e-03	1.33e-03	-0.08	6.69e-05	-2.60e-04	0.0
219	116	-1.28e-03	-3.85e-03	-0.06	4.38e-05	-4.71e-05	0.0
220	18	8.25e-03	-8.50e-04	-0.08	9.34e-05	1.59e-04	0.0
220	21	8.26e-03	-8.05e-04	-0.05	6.49e-05	1.11e-04	0.0
220	24	4.94e-03	-5.44e-04	-0.09	8.53e-05	1.48e-04	0.0
220	40	5.50e-03	-5.86e-04	-0.05	6.02e-05	1.02e-04	0.0
220	41	5.50e-03	-5.88e-04	-0.06	6.79e-05	1.17e-04	0.0
220	43	3.28e-03	-3.84e-04	-0.07	6.24e-05	1.10e-04	0.0
220	48	-3.24e-05	-1.50e-04	-0.05	5.13e-05	8.96e-05	0.0
220	52	1.07e-03	-2.43e-04	-0.05	5.09e-05	8.74e-05	0.0
220	53	-3.23e-05	-1.50e-04	-0.05	4.82e-05	8.36e-05	0.0
220	54	-2.95e-05	-1.61e-04	-0.05	4.89e-05	8.38e-05	0.0
220	55	6.54e-03	6.88e-03	-0.06	5.87e-05	1.95e-04	0.0
220	66	-6.84e-03	-7.74e-03	-0.04	3.03e-05	-2.12e-05	0.0
220	91	2.81e-03	2.86e-03	-0.06	5.40e-05	1.34e-04	0.0
220	98	-3.01e-03	-3.51e-03	-0.04	4.10e-05	3.65e-05	0.0
221	15	-3.29e-03	2.00e-03	-0.08	6.26e-05	-2.46e-05	0.0
221	20	-3.27e-03	2.03e-03	-0.06	4.39e-05	-1.63e-05	0.0
221	26	-1.96e-03	1.12e-03	-0.11	7.79e-05	-1.71e-05	0.0
221	38	-2.22e-03	1.32e-03	-0.06	5.06e-05	-2.32e-05	0.0
221	39	-2.22e-03	1.32e-03	-0.06	5.20e-05	-2.39e-05	0.0
221	45	-1.33e-03	7.35e-04	-0.08	6.09e-05	-1.82e-05	0.0
221	47	-1.16e-04	-1.29e-04	-0.07	7.20e-05	-4.07e-05	0.0
221	51	-5.59e-04	1.70e-04	-0.06	6.44e-05	-3.85e-05	0.0
221	53	-1.43e-04	-1.16e-04	-0.06	6.78e-05	-4.24e-05	0.0
221	54	-1.27e-04	-1.24e-04	-0.06	7.03e-05	-4.14e-05	0.0
221	60	0.02	1.87e-03	-0.08	1.12e-04	-6.15e-05	0.0
221	61	-0.02	-2.12e-03	-0.04	2.86e-05	-2.12e-05	0.0
221	78	-0.01	-5.93e-03	-0.07	1.10e-04	-6.28e-05	0.0
221	92	7.09e-03	7.34e-04	-0.07	8.97e-05	-5.11e-05	0.0
221	93	-7.34e-03	-9.82e-04	-0.05	5.10e-05	-3.16e-05	0.0
221	118	2.62e-03	-2.72e-03	-0.07	9.18e-05	-5.52e-05	0.0
222	15	-2.79e-03	-4.73e-04	-0.09	1.87e-04	1.60e-04	0.0
222	18	-2.79e-03	-3.95e-04	-0.11	2.61e-04	2.45e-04	0.0
222	26	-1.74e-03	-2.29e-04	-0.12	2.61e-04	2.51e-04	0.0
222	38	-1.89e-03	-3.33e-04	-0.07	1.42e-04	1.19e-04	0.0
222	41	-1.89e-03	-2.82e-04	-0.08	1.91e-04	1.76e-04	0.0
222	45	-1.19e-03	-1.71e-04	-0.09	1.92e-04	1.79e-04	0.0
222	47	-1.75e-04	-6.56e-05	-0.07	1.78e-04	1.49e-04	0.0
222	51	-5.16e-04	-1.48e-04	-0.07	1.45e-04	1.14e-04	0.0
222	52	-5.17e-04	-1.26e-04	-0.07	1.65e-04	1.36e-04	0.0
222	53	-1.73e-04	-1.01e-04	-0.07	1.46e-04	1.13e-04	0.0
222	54	-1.74e-04	-7.98e-05	-0.07	1.66e-04	1.35e-04	0.0
222	60	0.02	3.91e-03	-0.09	2.29e-04	2.14e-04	0.0
222	61	-0.02	-4.07e-03	-0.04	1.02e-04	5.50e-05	0.0
222	66	-0.01	-8.18e-03	-0.06	1.38e-04	4.59e-05	0.0
222	92	6.63e-03	1.67e-03	-0.08	1.94e-04	1.70e-04	0.0
222	93	-6.97e-03	-1.83e-03	-0.06	1.37e-04	9.97e-05	0.0
222	98	-5.22e-03	-3.66e-03	-0.06	1.53e-04	9.44e-05	0.0
223	16	-3.39e-03	1.22e-03	-0.08	1.01e-04	6.30e-05	0.0
223	22	-3.32e-03	1.26e-03	-0.07	9.68e-05	8.55e-05	0.0
223	26	-2.03e-03	7.08e-04	-0.11	1.27e-04	1.06e-04	0.0
223	39	-2.29e-03	8.00e-04	-0.06	7.83e-05	4.38e-05	0.0
223	41	-2.25e-03	8.06e-04	-0.07	9.40e-05	6.82e-05	0.0
223	45	-1.38e-03	4.57e-04	-0.08	9.54e-05	7.22e-05	0.0
223	46	-1.52e-04	-1.08e-04	-0.06	8.65e-05	2.77e-05	0.0
223	47	-1.29e-04	-1.03e-04	-0.07	9.77e-05	4.52e-05	0.0
223	51	-5.79e-04	7.35e-05	-0.06	8.44e-05	3.05e-05	0.0
223	53	-1.52e-04	-1.08e-04	-0.06	8.65e-05	2.77e-05	0.0
223	54	-1.38e-04	-1.05e-04	-0.06	9.33e-05	3.82e-05	0.0
223	60	0.02	2.55e-03	-0.08	1.37e-04	1.50e-05	0.0
223	61	-0.02	-2.76e-03	-0.04	5.00e-05	6.14e-05	0.0
223	66	-0.01	-6.57e-03	-0.06	5.70e-05	4.88e-05	0.0
223	92	7.09e-03	1.05e-03	-0.07	1.13e-04	2.76e-05	0.0
223	93	-7.36e-03	-1.26e-03	-0.05	7.37e-05	4.88e-05	0.0
223	98	-5.56e-03	-2.97e-03	-0.06	7.69e-05	4.30e-05	0.0
224	18	6.85e-04	8.50e-03	-0.12	1.05e-04	-2.56e-04	0.0
224	19	9.48e-04	8.23e-03	-0.07	5.69e-05	-1.12e-04	0.0
224	26	2.36e-04	5.27e-03	-0.14	9.96e-05	-2.59e-04	0.0
224	38	5.63e-04	5.54e-03	-0.07	6.09e-05	-1.18e-04	0.0
224	41	4.34e-04	5.68e-03	-0.09	7.97e-05	-1.86e-04	0.0

224	45	1.34e-04	3.53e-03	-0.10	7.62e-05	-1.88e-04	0.0
224	47	-2.85e-04	2.25e-04	-0.08	8.26e-05	-1.72e-04	0.0
224	52	-9.82e-05	1.27e-03	-0.08	7.58e-05	-1.52e-04	0.0
224	54	-2.50e-04	1.89e-04	-0.08	7.77e-05	-1.54e-04	0.0
224	61	-0.01	4.53e-03	-0.11	1.55e-04	-4.26e-04	0.0
224	85	-7.30e-03	8.49e-03	-0.10	3.48e-05	-3.32e-04	0.0
224	93	-5.16e-03	2.28e-03	-0.09	1.11e-04	-2.75e-04	0.0
224	117	-3.52e-03	4.17e-03	-0.09	5.78e-05	-2.37e-04	0.0
225	16	9.14e-04	-7.04e-04	-0.08	1.47e-05	1.88e-04	0.0
225	19	9.80e-04	-6.66e-04	-0.06	1.27e-05	1.33e-04	0.0
225	26	3.57e-04	-4.60e-04	-0.11	2.20e-05	2.37e-04	0.0
225	38	5.93e-04	-4.89e-04	-0.06	1.18e-05	1.29e-04	0.0
225	39	5.88e-04	-4.90e-04	-0.06	1.08e-05	1.39e-04	0.0
225	45	2.16e-04	-3.27e-04	-0.08	1.57e-05	1.71e-04	0.0
225	47	-2.27e-04	-1.36e-04	-0.06	1.36e-05	1.41e-04	0.0
225	51	-2.25e-05	-2.11e-04	-0.06	9.76e-06	1.18e-04	0.0
225	53	-1.76e-04	-1.41e-04	-0.06	9.26e-06	1.15e-04	0.0
225	54	-2.06e-04	-1.38e-04	-0.06	1.19e-05	1.31e-04	0.0
225	59	7.71e-03	6.94e-03	-0.08	2.05e-05	1.83e-04	0.0
225	61	-0.01	-4.03e-03	-0.05	-8.00e-06	5.10e-05	0.0
225	66	-5.13e-03	-8.00e-03	-0.05	0.0	9.49e-05	0.0
225	91	3.27e-03	2.99e-03	-0.07	1.56e-05	1.54e-04	0.0
225	93	-5.12e-03	-1.84e-03	-0.05	2.89e-06	9.53e-05	0.0
225	98	-2.48e-03	-3.61e-03	-0.05	6.54e-06	1.15e-04	0.0
226	20	7.51e-03	7.87e-03	-0.04	-1.12e-04	1.25e-04	0.0
226	22	7.51e-03	7.97e-03	-0.04	-1.18e-04	1.10e-04	0.0
226	26	4.49e-03	4.82e-03	-0.10	-1.11e-04	-6.34e-05	0.0
226	39	5.00e-03	5.23e-03	-0.05	-9.06e-05	2.59e-05	0.0
226	41	5.00e-03	5.30e-03	-0.05	-9.50e-05	1.56e-05	0.0
226	45	2.99e-03	3.21e-03	-0.07	-7.65e-05	-6.08e-05	0.0
226	50	-2.72e-05	-2.17e-05	-0.07	-4.22e-05	-1.69e-04	0.0
226	51	9.79e-04	1.00e-03	-0.07	-4.94e-05	-1.25e-04	0.0
226	52	9.78e-04	1.03e-03	-0.07	-5.13e-05	-1.29e-04	0.0
226	53	-2.59e-05	-5.31e-05	-0.07	-3.96e-05	-1.63e-04	0.0
226	54	-2.73e-05	-2.30e-05	-0.07	-4.14e-05	-1.68e-04	0.0
226	58	-7.00e-03	5.76e-04	-0.11	2.47e-05	-5.12e-04	0.0
226	66	-6.67e-03	2.88e-03	-0.11	4.28e-05	-5.12e-04	0.0
226	84	-2.46e-03	-8.03e-03	-0.08	2.19e-05	-2.97e-04	0.0
226	90	-3.09e-03	2.70e-04	-0.09	-1.18e-05	-3.19e-04	0.0
226	98	-2.94e-03	1.33e-03	-0.09	-3.16e-06	-3.19e-04	0.0
226	116	-1.12e-03	-3.86e-03	-0.08	-1.13e-05	-2.27e-04	0.0
227	18	7.36e-03	-8.39e-04	-0.08	2.58e-05	1.93e-04	0.0
227	19	7.38e-03	-7.55e-04	-0.06	1.73e-05	1.38e-04	0.0
227	24	4.40e-03	-5.39e-04	-0.10	2.02e-05	1.77e-04	0.0
227	38	4.91e-03	-5.53e-04	-0.06	1.53e-05	1.24e-04	0.0
227	41	4.90e-03	-5.80e-04	-0.06	1.83e-05	1.41e-04	0.0
227	43	2.93e-03	-3.80e-04	-0.07	1.46e-05	1.30e-04	0.0
227	48	-4.67e-05	-1.51e-04	-0.05	1.09e-05	1.03e-04	0.0
227	51	9.44e-04	-2.31e-04	-0.05	1.15e-05	1.02e-04	0.0
227	52	9.42e-04	-2.42e-04	-0.05	1.24e-05	1.02e-04	0.0
227	53	-4.64e-05	-1.50e-04	-0.05	1.06e-05	9.62e-05	0.0
227	54	-4.85e-05	-1.61e-04	-0.05	1.15e-05	9.62e-05	0.0
227	55	6.84e-03	6.88e-03	-0.07	1.56e-05	1.84e-04	0.0
227	58	-6.93e-03	-7.21e-03	-0.04	7.33e-06	8.77e-06	0.0
227	66	-6.61e-03	-7.76e-03	-0.04	-6.49e-06	1.34e-05	0.0
227	90	-3.07e-03	-3.25e-03	-0.05	9.68e-06	5.74e-05	0.0
227	91	2.93e-03	2.86e-03	-0.06	1.39e-05	1.35e-04	0.0
227	98	-2.92e-03	-3.52e-03	-0.05	3.56e-06	5.88e-05	0.0
228	16	-3.44e-03	3.92e-04	-0.09	1.64e-04	1.67e-04	0.0
228	22	-3.37e-03	4.54e-04	-0.08	1.69e-04	2.01e-04	0.0
228	26	-2.07e-03	2.47e-04	-0.12	2.11e-04	2.48e-04	0.0
228	39	-2.32e-03	2.44e-04	-0.07	1.25e-04	1.22e-04	0.0
228	41	-2.29e-03	2.71e-04	-0.08	1.56e-04	1.73e-04	0.0
228	45	-1.41e-03	1.48e-04	-0.09	1.56e-04	1.76e-04	0.0
228	46	-1.57e-04	-1.04e-04	-0.07	1.25e-04	1.06e-04	0.0
228	47	-1.36e-04	-8.54e-05	-0.07	1.48e-04	1.42e-04	0.0
228	51	-5.89e-04	-3.50e-05	-0.07	1.24e-04	1.08e-04	0.0
228	53	-1.57e-04	-1.04e-04	-0.07	1.25e-04	1.06e-04	0.0
228	54	-1.44e-04	-9.30e-05	-0.07	1.39e-04	1.28e-04	0.0
228	60	0.02	3.21e-03	-0.09	1.96e-04	1.50e-04	0.0
228	61	-0.02	-3.40e-03	-0.05	8.22e-05	1.06e-04	0.0
228	66	-0.01	-7.31e-03	-0.06	9.01e-05	1.14e-04	0.0
228	92	7.09e-03	1.35e-03	-0.08	1.64e-04	1.38e-04	0.0
228	93	-7.37e-03	-1.53e-03	-0.06	1.14e-04	1.18e-04	0.0
228	98	-5.57e-03	-3.29e-03	-0.07	1.17e-04	1.22e-04	0.0
229	15	-1.91e-03	4.95e-03	-0.09	-3.65e-05	-1.77e-05	0.0
229	19	-2.57e-03	4.63e-03	-0.06	-4.34e-05	0.0	0.0

229	26	6.53e-04	2.41e-03	-0.12	-3.92e-05	-5.58e-05	0.0
229	34	1.11e-03	1.91e-03	-0.08	-2.04e-05	-5.32e-05	0.0
229	38	-9.51e-04	3.56e-03	-0.07	-1.79e-05	-2.03e-05	0.0
229	45	7.59e-04	1.87e-03	-0.09	-1.97e-05	-4.57e-05	0.0
229	47	2.69e-03	1.16e-03	-0.08	2.56e-05	-6.83e-05	0.0
229	51	1.67e-03	1.96e-03	-0.07	2.63e-05	-5.22e-05	0.0
229	53	2.33e-03	1.57e-03	-0.07	3.73e-05	-6.02e-05	0.0
229	54	2.55e-03	1.32e-03	-0.08	3.03e-05	-6.51e-05	0.0
229	62	1.44e-03	2.38e-03	-0.11	1.22e-04	-3.79e-04	0.0
229	81	-2.79e-03	3.53e-03	-0.07	-6.61e-05	0.0	0.0
229	84	8.01e-03	-7.92e-04	-0.09	1.17e-04	-1.54e-04	0.0
229	94	2.05e-03	1.78e-03	-0.09	7.24e-05	-2.05e-04	0.0
229	113	3.56e-06	2.37e-03	-0.07	-1.58e-05	-3.42e-05	0.0
229	116	5.15e-03	3.06e-04	-0.08	7.18e-05	-1.06e-04	0.0
230	4	1.88e-03	2.48e-03	-0.11	-5.39e-05	-9.45e-05	0.0
230	15	-8.72e-04	4.96e-03	-0.09	-4.58e-05	-4.33e-05	0.0
230	26	1.33e-03	2.41e-03	-0.12	-5.45e-05	-8.06e-05	0.0
230	34	1.58e-03	1.91e-03	-0.08	-3.06e-05	-7.19e-05	0.0
230	38	-2.53e-04	3.57e-03	-0.07	-2.52e-05	-3.77e-05	0.0
230	45	1.21e-03	1.86e-03	-0.09	-3.10e-05	-6.26e-05	0.0
230	47	2.75e-03	1.15e-03	-0.08	1.58e-05	-7.65e-05	0.0
230	51	1.85e-03	1.96e-03	-0.07	1.78e-05	-6.00e-05	0.0
230	53	2.38e-03	1.56e-03	-0.07	2.85e-05	-6.56e-05	0.0
230	54	2.60e-03	1.31e-03	-0.08	2.09e-05	-7.21e-05	0.0
230	62	1.82e-03	2.40e-03	-0.11	1.14e-04	-3.73e-04	0.0
230	81	-1.77e-03	3.59e-03	-0.07	-7.34e-05	-1.12e-05	0.0
230	84	7.08e-03	-8.65e-04	-0.09	1.06e-04	-1.58e-04	0.0
230	94	2.24e-03	1.78e-03	-0.09	6.35e-05	-2.06e-04	0.0
230	113	5.09e-04	2.39e-03	-0.07	-2.42e-05	-4.26e-05	0.0
230	116	4.74e-03	2.67e-04	-0.08	6.16e-05	-1.12e-04	0.0
231	22	0.01	7.77e-03	-0.10	-3.71e-04	-1.96e-04	0.0
231	26	6.75e-03	4.69e-03	-0.14	-3.17e-04	-3.26e-04	0.0
231	41	7.43e-03	5.16e-03	-0.09	-2.81e-04	-2.16e-04	0.0
231	45	4.50e-03	3.11e-03	-0.10	-2.15e-04	-2.38e-04	0.0
231	52	1.51e-03	9.87e-04	-0.08	-1.27e-04	-2.31e-04	0.0
231	53	5.66e-06	-7.51e-05	-0.08	-8.04e-05	-2.29e-04	0.0
231	54	3.96e-05	-4.63e-05	-0.08	-9.24e-05	-2.42e-04	0.0
231	75	8.07e-03	3.77e-03	-0.10	-3.82e-04	-4.18e-04	0.0
231	84	-4.00e-03	-7.88e-03	-0.04	1.24e-04	3.00e-05	0.0
231	85	4.08e-03	7.79e-03	-0.12	-3.09e-04	-5.13e-04	0.0
231	107	3.59e-03	1.79e-03	-0.09	-2.28e-04	-3.19e-04	0.0
231	116	-1.83e-03	-3.80e-03	-0.06	1.20e-05	-1.22e-04	0.0
231	117	1.91e-03	3.70e-03	-0.10	-1.97e-04	-3.61e-04	0.0
232	18	0.01	-7.95e-04	-0.06	1.16e-04	4.65e-05	0.0
232	24	6.51e-03	-5.09e-04	-0.08	1.10e-04	5.12e-05	0.0
232	41	7.25e-03	-5.51e-04	-0.04	8.50e-05	3.63e-05	0.0
232	43	4.34e-03	-3.59e-04	-0.05	8.11e-05	3.95e-05	0.0
232	48	1.01e-05	-1.47e-04	-0.04	6.94e-05	4.01e-05	0.0
232	52	1.47e-03	-2.34e-04	-0.04	6.72e-05	3.58e-05	0.0
232	53	9.11e-06	-1.47e-04	-0.04	6.52e-05	3.74e-05	0.0
232	54	2.71e-05	-1.59e-04	-0.04	6.54e-05	3.73e-05	0.0
232	63	7.99e-03	7.35e-03	-0.05	1.07e-04	1.59e-05	0.0
232	66	-7.94e-03	-7.67e-03	-0.03	2.39e-05	5.88e-05	0.0
232	75	8.01e-03	7.28e-03	-0.05	1.02e-04	6.06e-05	0.0
232	98	-3.46e-03	-3.48e-03	-0.04	4.67e-05	4.70e-05	0.0
232	99	3.50e-03	3.10e-03	-0.04	8.41e-05	2.71e-05	0.0
232	107	3.55e-03	3.08e-03	-0.04	8.18e-05	4.74e-05	0.0
233	15	-3.46e-03	-4.17e-04	-0.10	2.46e-04	2.34e-04	0.0
233	16	-3.46e-03	-4.14e-04	-0.10	2.56e-04	2.46e-04	0.0
233	26	-2.09e-03	-1.92e-04	-0.14	3.36e-04	3.61e-04	0.0
233	38	-2.34e-03	-2.96e-04	-0.08	1.86e-04	1.74e-04	0.0
233	39	-2.34e-03	-2.94e-04	-0.08	1.93e-04	1.82e-04	0.0
233	45	-1.42e-03	-1.46e-04	-0.10	2.46e-04	2.59e-04	0.0
233	47	-1.37e-04	-6.18e-05	-0.08	2.26e-04	2.19e-04	0.0
233	51	-5.94e-04	-1.38e-04	-0.07	1.87e-04	1.68e-04	0.0
233	53	-1.59e-04	-9.84e-05	-0.07	1.87e-04	1.66e-04	0.0
233	54	-1.46e-04	-7.64e-05	-0.08	2.10e-04	1.98e-04	0.0
233	60	0.02	3.88e-03	-0.11	2.93e-04	3.35e-04	0.0
233	61	-0.02	-4.03e-03	-0.05	1.28e-04	6.04e-05	0.0
233	66	-0.01	-8.14e-03	-0.07	1.41e-04	5.21e-05	0.0
233	92	7.09e-03	1.66e-03	-0.09	2.47e-04	2.58e-04	0.0
233	93	-7.39e-03	-1.81e-03	-0.07	1.74e-04	1.37e-04	0.0
233	98	-5.58e-03	-3.64e-03	-0.07	1.79e-04	1.31e-04	0.0
234	15	-3.19e-03	2.65e-03	-0.08	4.43e-05	-6.31e-05	0.0
234	19	-3.19e-03	2.71e-03	-0.06	2.59e-05	-4.06e-05	0.0
234	26	-1.84e-03	1.44e-03	-0.11	5.47e-05	-8.23e-05	0.0
234	38	-2.15e-03	1.76e-03	-0.06	3.82e-05	-5.37e-05	0.0

234	45	-1.25e-03	9.45e-04	-0.08	4.52e-05	-6.65e-05	0.0
234	47	-6.94e-05	-1.84e-04	-0.07	6.42e-05	-8.95e-05	0.0
234	51	-5.22e-04	2.37e-04	-0.07	5.85e-05	-7.62e-05	0.0
234	53	-1.14e-04	-1.43e-04	-0.07	6.36e-05	-8.19e-05	0.0
234	54	-8.73e-05	-1.68e-04	-0.07	6.39e-05	-8.64e-05	0.0
234	60	0.02	1.15e-03	-0.09	1.14e-04	-3.61e-06	0.0
234	61	-0.02	-1.49e-03	-0.05	1.36e-05	-1.69e-04	0.0
234	84	0.01	-5.51e-03	-0.09	1.56e-04	-1.29e-04	0.0
234	93	-7.38e-03	-7.26e-04	-0.06	4.04e-05	-1.23e-04	0.0
234	112	5.80e-03	-1.75e-03	-0.08	1.03e-04	-1.04e-04	0.0
234	116	5.30e-03	-2.62e-03	-0.08	1.07e-04	-1.06e-04	0.0
235	18	9.97e-03	3.03e-03	-0.07	5.70e-05	-8.62e-05	0.0
235	22	9.96e-03	3.05e-03	-0.05	3.96e-05	-6.78e-05	0.0
235	26	6.01e-03	1.80e-03	-0.08	6.30e-05	-7.84e-05	0.0
235	41	6.64e-03	2.01e-03	-0.05	4.31e-05	-6.05e-05	0.0
235	45	4.00e-03	1.19e-03	-0.06	4.70e-05	-5.54e-05	0.0
235	52	1.33e-03	3.34e-04	-0.04	4.44e-05	-4.46e-05	0.0
235	53	-5.53e-06	-8.69e-05	-0.04	4.65e-05	-3.95e-05	0.0
235	54	9.02e-06	-8.20e-05	-0.04	4.64e-05	-4.18e-05	0.0
235	59	6.02e-03	4.33e-03	-0.05	4.86e-05	-6.03e-05	0.0
235	63	7.51e-03	5.61e-03	-0.05	5.08e-05	-6.40e-05	0.0
235	86	-6.96e-03	-6.02e-03	-0.03	7.24e-05	-1.13e-05	0.0
235	91	2.67e-03	1.90e-03	-0.05	4.72e-05	-5.04e-05	0.0
235	95	3.29e-03	2.48e-03	-0.05	4.84e-05	-5.21e-05	0.0
235	118	-3.12e-03	-2.81e-03	-0.04	5.89e-05	-2.73e-05	0.0
236	18	0.01	3.99e-03	-0.07	2.72e-05	-1.02e-04	0.0
236	22	0.01	4.01e-03	-0.05	1.13e-05	-7.58e-05	0.0
236	26	6.03e-03	2.39e-03	-0.09	4.24e-05	-1.01e-04	0.0
236	41	6.67e-03	2.65e-03	-0.05	2.31e-05	-7.30e-05	0.0
236	45	4.02e-03	1.58e-03	-0.06	3.33e-05	-7.24e-05	0.0
236	52	1.34e-03	4.75e-04	-0.05	3.81e-05	-6.36e-05	0.0
236	53	-5.54e-06	-7.47e-05	-0.04	4.40e-05	-5.95e-05	0.0
236	54	1.02e-05	-6.55e-05	-0.04	4.33e-05	-6.30e-05	0.0
236	63	7.52e-03	-2.93e-03	-0.06	7.42e-06	-4.90e-05	0.0
236	67	7.41e-03	-2.79e-03	-0.06	4.17e-06	-4.99e-05	0.0
236	84	-3.48e-03	-6.16e-03	-0.04	8.31e-05	-1.86e-05	0.0
236	95	3.30e-03	-1.36e-03	-0.05	2.65e-05	-5.70e-05	0.0
236	99	3.27e-03	-1.28e-03	-0.05	2.49e-05	-5.76e-05	0.0
236	116	-1.60e-03	-2.90e-03	-0.04	6.25e-05	-4.25e-05	0.0
237	19	4.61e-03	1.62e-04	-0.05	-1.03e-05	5.01e-05	0.0
237	26	2.64e-03	4.51e-06	-0.09	8.82e-06	7.86e-05	0.0
237	38	3.04e-03	6.23e-05	-0.05	-8.17e-06	4.94e-05	0.0
237	45	1.75e-03	-1.62e-05	-0.06	5.29e-06	5.85e-05	0.0
237	47	-1.26e-04	-1.47e-04	-0.05	6.94e-06	4.94e-05	0.0
237	50	-1.15e-04	-1.45e-04	-0.05	1.06e-06	5.13e-05	0.0
237	51	5.32e-04	-9.90e-05	-0.05	-4.83e-06	4.79e-05	0.0
237	54	-1.14e-04	-1.44e-04	-0.05	2.56e-06	4.87e-05	0.0
237	56	8.08e-03	3.00e-03	-0.06	7.83e-06	6.84e-05	0.0
237	57	-8.31e-03	-3.29e-03	-0.04	-2.70e-06	2.89e-05	0.0
237	66	-4.21e-03	-7.21e-03	-0.04	1.11e-05	2.64e-05	0.0
237	88	3.50e-03	1.25e-03	-0.05	4.80e-06	5.73e-05	0.0
237	89	-3.73e-03	-1.54e-03	-0.04	0.0	4.00e-05	0.0
237	98	-1.96e-03	-3.27e-03	-0.04	6.36e-06	3.87e-05	0.0
238	18	4.67e-03	7.05e-03	-0.07	8.94e-05	-4.84e-06	0.0
238	19	4.73e-03	6.93e-03	-0.04	6.44e-05	3.57e-05	0.0
238	26	2.76e-03	4.29e-03	-0.09	5.62e-05	-4.60e-05	0.0
238	38	3.14e-03	4.62e-03	-0.05	3.60e-05	0.0	0.0
238	41	3.10e-03	4.70e-03	-0.05	5.87e-05	-1.18e-05	0.0
238	45	1.83e-03	2.86e-03	-0.07	3.66e-05	-3.93e-05	0.0
238	47	-8.16e-05	4.27e-05	-0.06	0.0	-7.84e-05	0.0
238	51	5.79e-04	9.21e-04	-0.05	-6.30e-06	-5.70e-05	0.0
238	52	5.66e-04	9.50e-04	-0.05	4.18e-06	-6.14e-05	0.0
238	54	-7.29e-05	2.37e-05	-0.05	-6.40e-06	-7.55e-05	0.0
238	58	-8.29e-03	5.41e-04	-0.07	-6.06e-05	-2.66e-04	0.0
238	85	2.00e-03	7.44e-03	-0.05	5.27e-05	-2.09e-05	0.0
238	90	-3.69e-03	2.74e-04	-0.06	-3.15e-05	-1.59e-04	0.0
238	94	-3.69e-03	9.05e-05	-0.06	-3.37e-05	-1.59e-04	0.0
238	117	8.57e-04	3.56e-03	-0.05	2.21e-05	-5.10e-05	0.0
239	19	3.69e-03	1.62e-04	-0.05	8.86e-06	5.04e-05	0.0
239	26	2.05e-03	7.24e-06	-0.09	4.03e-05	8.43e-05	0.0
239	38	2.42e-03	6.17e-05	-0.05	1.04e-05	5.05e-05	0.0
239	45	1.35e-03	-1.46e-05	-0.06	2.82e-05	6.23e-05	0.0
239	47	-1.54e-04	-1.47e-04	-0.05	2.60e-05	5.33e-05	0.0
239	51	3.90e-04	-9.99e-05	-0.05	1.21e-05	4.95e-05	0.0
239	54	-1.40e-04	-1.44e-04	-0.05	2.06e-05	5.17e-05	0.0
239	59	6.35e-03	6.09e-03	-0.06	4.84e-05	8.08e-05	0.0
239	61	-8.92e-03	-3.45e-03	-0.04	6.13e-06	3.01e-05	0.0

239	66	-4.38e-03	-7.24e-03	-0.04	-4.93e-06	3.05e-05	0.0
239	91	2.71e-03	2.61e-03	-0.05	3.31e-05	6.46e-05	0.0
239	93	-4.03e-03	-1.59e-03	-0.04	1.43e-05	4.22e-05	0.0
239	98	-2.06e-03	-3.28e-03	-0.04	8.89e-06	4.21e-05	0.0
240	18	3.74e-03	7.09e-03	-0.08	1.52e-04	-4.54e-05	0.0
240	19	3.83e-03	6.96e-03	-0.05	9.78e-05	2.04e-06	0.0
240	26	2.18e-03	4.33e-03	-0.10	1.19e-04	-7.18e-05	0.0
240	38	2.52e-03	4.65e-03	-0.05	7.17e-05	-2.21e-05	0.0
240	41	2.48e-03	4.72e-03	-0.06	1.05e-04	-3.85e-05	0.0
240	45	1.44e-03	2.88e-03	-0.07	8.26e-05	-5.61e-05	0.0
240	47	-1.10e-04	6.07e-05	-0.06	4.46e-05	-7.89e-05	0.0
240	51	4.40e-04	9.39e-04	-0.05	3.13e-05	-5.88e-05	0.0
240	52	4.22e-04	9.69e-04	-0.06	4.54e-05	-6.53e-05	0.0
240	54	-9.84e-05	4.09e-05	-0.06	3.52e-05	-7.45e-05	0.0
240	57	-8.88e-03	3.50e-03	-0.07	8.27e-05	-2.51e-04	0.0
240	62	-8.90e-03	1.84e-04	-0.07	3.85e-05	-2.03e-04	0.0
240	85	2.12e-03	7.47e-03	-0.06	9.94e-05	-1.87e-04	0.0
240	89	-3.98e-03	1.69e-03	-0.06	5.80e-05	-1.52e-04	0.0
240	94	-4.00e-03	1.07e-04	-0.06	3.68e-05	-1.31e-04	0.0
240	117	9.08e-04	3.59e-03	-0.06	6.63e-05	-1.25e-04	0.0
241	18	0.01	4.95e-03	-0.08	-3.44e-05	-1.19e-04	0.0
241	22	0.01	4.96e-03	-0.06	-4.39e-05	-8.45e-05	0.0
241	26	6.05e-03	2.98e-03	-0.09	-4.61e-06	-1.25e-04	0.0
241	41	6.69e-03	3.29e-03	-0.06	-1.89e-05	-8.70e-05	0.0
241	45	4.03e-03	1.98e-03	-0.07	1.01e-06	-9.13e-05	0.0
241	52	1.34e-03	6.12e-04	-0.05	1.88e-05	-8.52e-05	0.0
241	53	-5.64e-06	-6.57e-05	-0.05	3.10e-05	-8.23e-05	0.0
241	54	1.14e-05	-5.22e-05	-0.05	2.91e-05	-8.71e-05	0.0
241	63	7.54e-03	-2.81e-03	-0.06	-4.31e-05	-5.58e-05	0.0
241	83	7.02e-03	3.88e-03	-0.06	-6.53e-05	-1.29e-04	0.0
241	84	-3.49e-03	-6.43e-03	-0.04	9.10e-05	-1.61e-05	0.0
241	95	3.31e-03	-1.31e-03	-0.05	-4.29e-06	-7.38e-05	0.0
241	115	3.16e-03	1.83e-03	-0.05	-1.57e-05	-1.06e-04	0.0
241	116	-1.60e-03	-3.05e-03	-0.05	5.90e-05	-5.53e-05	0.0
242	18	-1.54e-03	2.37e-04	-0.08	4.62e-05	9.68e-05	0.0
242	22	-1.48e-03	2.65e-04	-0.06	3.46e-05	7.95e-05	0.0
242	26	-1.04e-03	1.18e-04	-0.10	4.79e-05	1.02e-04	0.0
242	41	-1.05e-03	1.40e-04	-0.06	3.53e-05	6.87e-05	0.0
242	45	-7.21e-04	6.08e-05	-0.07	3.64e-05	7.24e-05	0.0
242	46	-1.98e-04	-1.18e-04	-0.05	3.56e-05	4.26e-05	0.0
242	47	-2.37e-04	-1.04e-04	-0.06	4.07e-05	5.59e-05	0.0
242	52	-3.80e-04	-6.21e-05	-0.05	3.73e-05	5.14e-05	0.0
242	53	-1.98e-04	-1.18e-04	-0.05	3.56e-05	4.26e-05	0.0
242	54	-2.21e-04	-1.10e-04	-0.05	3.87e-05	5.06e-05	0.0
242	59	9.08e-03	6.30e-03	-0.07	5.08e-05	6.22e-05	0.0
242	61	-0.01	-3.50e-03	-0.04	1.50e-05	3.14e-05	0.0
242	66	-6.07e-03	-7.41e-03	-0.05	2.93e-05	4.21e-05	0.0
242	91	3.85e-03	2.72e-03	-0.06	4.39e-05	5.56e-05	0.0
242	93	-6.22e-03	-1.59e-03	-0.05	2.79e-05	4.21e-05	0.0
242	98	-2.94e-03	-3.34e-03	-0.05	3.42e-05	4.69e-05	0.0
243	18	9.95e-03	2.06e-03	-0.06	6.79e-05	-5.63e-05	0.0
243	22	9.95e-03	2.09e-03	-0.05	5.08e-05	-4.66e-05	0.0
243	24	5.95e-03	1.20e-03	-0.08	6.90e-05	-4.04e-05	0.0
243	41	6.63e-03	1.36e-03	-0.04	5.02e-05	-3.80e-05	0.0
243	43	3.97e-03	7.88e-04	-0.06	5.10e-05	-2.75e-05	0.0
243	51	1.32e-03	1.91e-04	-0.04	4.51e-05	-1.99e-05	0.0
243	52	1.33e-03	1.91e-04	-0.04	4.52e-05	-2.12e-05	0.0
243	53	-5.34e-06	-1.01e-04	-0.04	4.57e-05	-1.61e-05	0.0
243	54	8.46e-06	-1.00e-04	-0.04	4.58e-05	-1.75e-05	0.0
243	59	6.01e-03	4.80e-03	-0.05	5.58e-05	-3.98e-05	0.0
243	63	7.50e-03	5.92e-03	-0.05	5.23e-05	-4.28e-05	0.0
243	78	-7.34e-03	-6.12e-03	-0.03	6.11e-05	8.68e-06	0.0
243	91	2.67e-03	2.08e-03	-0.04	5.00e-05	-2.74e-05	0.0
243	95	3.29e-03	2.58e-03	-0.04	4.85e-05	-2.87e-05	0.0
243	118	-3.12e-03	-2.80e-03	-0.04	5.41e-05	-5.36e-06	0.0
244	18	2.79e-03	7.14e-03	-0.09	1.88e-04	-8.93e-05	0.0
244	19	2.91e-03	7.00e-03	-0.05	1.14e-04	-3.10e-05	0.0
244	26	1.59e-03	4.36e-03	-0.11	1.59e-04	-1.04e-04	0.0
244	38	1.91e-03	4.68e-03	-0.06	9.45e-05	-4.52e-05	0.0
244	41	1.85e-03	4.76e-03	-0.06	1.33e-04	-6.82e-05	0.0
244	45	1.05e-03	2.91e-03	-0.08	1.14e-04	-7.77e-05	0.0
244	47	-1.47e-04	7.93e-05	-0.06	8.16e-05	-8.66e-05	0.0
244	51	2.97e-04	9.58e-04	-0.06	6.35e-05	-6.60e-05	0.0
244	52	2.72e-04	9.89e-04	-0.06	7.90e-05	-7.53e-05	0.0
244	54	-1.30e-04	5.86e-05	-0.06	7.13e-05	-8.05e-05	0.0
244	61	-9.63e-03	3.90e-03	-0.07	1.26e-04	-2.64e-04	0.0
244	85	-5.99e-03	7.51e-03	-0.07	1.55e-04	-1.94e-04	0.0

244	93	-4.35e-03	1.90e-03	-0.07	9.70e-05	-1.62e-04	0.0
244	117	-2.80e-03	3.62e-03	-0.06	1.11e-04	-1.32e-04	0.0
245	19	2.77e-03	1.73e-04	-0.05	2.47e-05	5.63e-05	0.0
245	26	1.47e-03	1.89e-05	-0.09	6.20e-05	9.94e-05	0.0
245	38	1.80e-03	6.96e-05	-0.05	2.55e-05	5.69e-05	0.0
245	45	9.60e-04	-6.82e-06	-0.07	4.42e-05	7.29e-05	0.0
245	47	-1.83e-04	-1.45e-04	-0.05	3.92e-05	6.26e-05	0.0
245	51	2.48e-04	-9.82e-05	-0.05	2.55e-05	5.59e-05	0.0
245	54	-1.66e-04	-1.43e-04	-0.05	3.37e-05	5.98e-05	0.0
245	59	6.81e-03	6.10e-03	-0.06	6.30e-05	8.48e-05	0.0
245	61	-9.64e-03	-3.45e-03	-0.04	1.60e-05	2.50e-05	0.0
245	66	-4.59e-03	-7.26e-03	-0.04	1.16e-05	4.47e-05	0.0
245	91	2.90e-03	2.62e-03	-0.05	4.69e-05	7.08e-05	0.0
245	93	-4.38e-03	-1.59e-03	-0.04	2.60e-05	4.44e-05	0.0
245	98	-2.19e-03	-3.29e-03	-0.04	2.33e-05	5.29e-05	0.0
246	18	5.61e-03	7.01e-03	-0.07	1.91e-05	2.71e-05	0.0
246	19	5.65e-03	6.91e-03	-0.04	2.10e-05	6.57e-05	0.0
246	26	3.33e-03	4.26e-03	-0.09	-6.52e-06	-2.98e-05	0.0
246	38	3.75e-03	4.60e-03	-0.05	-2.85e-06	1.57e-05	0.0
246	41	3.73e-03	4.67e-03	-0.05	8.82e-06	8.34e-06	0.0
246	45	2.22e-03	2.84e-03	-0.07	-8.27e-06	-2.96e-05	0.0
246	47	-5.74e-05	2.61e-05	-0.06	-3.39e-05	-8.58e-05	0.0
246	51	7.16e-04	9.05e-04	-0.05	-3.62e-05	-6.17e-05	0.0
246	52	7.07e-04	9.32e-04	-0.05	-2.98e-05	-6.45e-05	0.0
246	53	-4.26e-05	-1.97e-05	-0.06	-4.45e-05	-8.10e-05	0.0
246	54	-5.15e-05	7.79e-06	-0.06	-3.82e-05	-8.39e-05	0.0
246	58	-7.77e-03	5.25e-04	-0.07	-8.23e-05	-3.02e-04	0.0
246	62	-7.70e-03	1.54e-04	-0.07	-8.42e-05	-3.01e-04	0.0
246	85	2.01e-03	7.40e-03	-0.05	0.0	-1.07e-05	0.0
246	90	-3.45e-03	2.58e-04	-0.06	-5.82e-05	-1.80e-04	0.0
246	94	-3.43e-03	7.51e-05	-0.06	-5.93e-05	-1.80e-04	0.0
246	117	8.67e-04	3.54e-03	-0.05	-1.95e-05	-5.07e-05	0.0
247	19	5.54e-03	1.64e-04	-0.05	-2.12e-05	5.51e-05	0.0
247	26	3.23e-03	3.66e-06	-0.09	-1.35e-05	8.25e-05	0.0
247	38	3.67e-03	6.43e-05	-0.05	-1.91e-05	5.37e-05	0.0
247	45	2.14e-03	-1.67e-05	-0.06	-1.08e-05	6.18e-05	0.0
247	47	-9.80e-05	-1.47e-04	-0.05	-7.00e-06	5.14e-05	0.0
247	50	-9.06e-05	-1.44e-04	-0.05	-1.19e-05	5.45e-05	0.0
247	51	6.72e-04	-9.75e-05	-0.05	-1.56e-05	5.15e-05	0.0
247	54	-8.97e-05	-1.44e-04	-0.05	-1.01e-05	5.12e-05	0.0
247	56	5.31e-03	2.99e-03	-0.06	-1.30e-06	7.26e-05	0.0
247	58	-7.79e-03	-6.49e-03	-0.04	-1.00e-05	1.91e-05	0.0
247	66	-6.38e-03	-7.19e-03	-0.04	4.42e-06	2.23e-05	0.0
247	88	2.29e-03	1.25e-03	-0.05	-5.86e-06	6.06e-05	0.0
247	90	-3.47e-03	-2.92e-03	-0.04	-1.01e-05	3.70e-05	0.0
247	98	-2.87e-03	-3.26e-03	-0.04	-3.22e-06	3.82e-05	0.0
248	18	-8.17e-04	1.79e-04	-0.08	3.28e-06	1.00e-04	0.0
248	22	-7.54e-04	2.10e-04	-0.06	0.0	8.17e-05	0.0
248	26	-6.23e-04	7.50e-05	-0.10	4.59e-06	1.04e-04	0.0
248	41	-5.70e-04	1.00e-04	-0.06	3.64e-06	7.16e-05	0.0
248	45	-4.41e-04	3.13e-05	-0.07	4.52e-06	7.43e-05	0.0
248	46	-1.99e-04	-1.25e-04	-0.05	1.05e-05	4.72e-05	0.0
248	47	-2.47e-04	-1.16e-04	-0.05	1.08e-05	5.87e-05	0.0
248	52	-2.88e-04	-7.72e-05	-0.05	9.55e-06	5.50e-05	0.0
248	53	-1.99e-04	-1.25e-04	-0.05	1.05e-05	4.72e-05	0.0
248	54	-2.28e-04	-1.20e-04	-0.05	1.07e-05	5.41e-05	0.0
248	59	8.59e-03	6.27e-03	-0.07	2.27e-05	6.51e-05	0.0
248	61	-0.01	-3.51e-03	-0.04	-1.10e-05	2.95e-05	0.0
248	66	-5.73e-03	-7.40e-03	-0.04	1.78e-06	3.86e-05	0.0
248	91	3.63e-03	2.70e-03	-0.06	1.59e-05	5.89e-05	0.0
248	93	-5.85e-03	-1.60e-03	-0.05	0.0	4.33e-05	0.0
248	98	-2.78e-03	-3.34e-03	-0.05	6.46e-06	4.73e-05	0.0
249	4	-4.86e-04	4.66e-03	-0.12	8.01e-05	-1.78e-04	0.0
249	18	-3.16e-04	7.46e-03	-0.11	6.78e-05	-1.54e-04	0.0
249	26	-3.96e-04	4.61e-03	-0.13	6.33e-05	-1.56e-04	0.0
249	34	-3.52e-04	3.11e-03	-0.09	6.26e-05	-1.29e-04	0.0
249	41	-2.38e-04	4.97e-03	-0.08	5.44e-05	-1.14e-04	0.0
249	45	-2.92e-04	3.08e-03	-0.09	5.14e-05	-1.14e-04	0.0
249	47	-3.36e-04	1.64e-04	-0.08	6.77e-05	-1.08e-04	0.0
249	52	-2.70e-04	1.09e-03	-0.07	6.32e-05	-9.80e-05	0.0
249	54	-2.99e-04	1.35e-04	-0.07	6.62e-05	-9.91e-05	0.0
249	61	-0.01	4.07e-03	-0.10	1.39e-04	-3.59e-04	0.0
249	85	-8.10e-03	7.77e-03	-0.09	2.72e-05	-2.68e-04	0.0
249	93	-5.59e-03	2.02e-03	-0.09	9.79e-05	-2.15e-04	0.0
249	117	-3.93e-03	3.78e-03	-0.08	4.84e-05	-1.77e-04	0.0
250	22	0.01	5.93e-03	-0.06	-1.23e-04	-1.03e-04	0.0
250	26	6.09e-03	3.57e-03	-0.10	-7.80e-05	-1.67e-04	0.0

250	41	6.72e-03	3.93e-03	-0.06	-8.15e-05	-1.12e-04	0.0
250	45	4.06e-03	2.37e-03	-0.07	-4.96e-05	-1.22e-04	0.0
250	52	1.35e-03	7.47e-04	-0.06	-1.41e-05	-1.19e-04	0.0
250	53	-5.41e-06	-6.14e-05	-0.05	6.35e-06	-1.17e-04	0.0
250	54	1.32e-05	-4.34e-05	-0.06	2.34e-06	-1.23e-04	0.0
250	63	7.57e-03	-2.76e-03	-0.05	-1.25e-04	-6.65e-05	0.0
250	84	-3.51e-03	-6.83e-03	-0.04	9.99e-05	-1.32e-05	0.0
250	85	3.54e-03	6.74e-03	-0.07	-9.52e-05	-2.34e-04	0.0
250	95	3.32e-03	-1.29e-03	-0.05	-5.64e-05	-9.92e-05	0.0
250	116	-1.61e-03	-3.26e-03	-0.05	4.94e-05	-7.47e-05	0.0
250	117	1.64e-03	3.18e-03	-0.06	-4.47e-05	-1.72e-04	0.0
251	18	9.96e-03	1.09e-03	-0.06	7.70e-05	-1.15e-05	0.0
251	19	9.91e-03	1.13e-03	-0.04	4.77e-05	-1.39e-05	0.0
251	24	5.96e-03	6.22e-04	-0.08	7.57e-05	0.0	0.0
251	38	6.61e-03	7.19e-04	-0.04	4.87e-05	-7.10e-06	0.0
251	41	6.64e-03	7.11e-04	-0.04	5.66e-05	-5.42e-06	0.0
251	43	3.97e-03	3.98e-04	-0.06	5.58e-05	2.62e-06	0.0
251	47	1.73e-05	-1.22e-04	-0.04	4.79e-05	8.41e-06	0.0
251	51	1.32e-03	5.08e-05	-0.04	4.78e-05	6.17e-06	0.0
251	52	1.33e-03	4.74e-05	-0.04	4.80e-05	5.52e-06	0.0
251	53	-4.98e-06	-1.16e-04	-0.04	4.76e-05	9.49e-06	0.0
251	54	8.39e-06	-1.20e-04	-0.04	4.78e-05	8.84e-06	0.0
251	59	5.99e-03	5.36e-03	-0.05	6.14e-05	3.82e-06	0.0
251	63	7.51e-03	6.33e-03	-0.05	5.66e-05	-4.42e-06	0.0
251	66	-7.49e-03	-6.57e-03	-0.03	3.90e-05	2.21e-05	0.0
251	91	2.66e-03	2.31e-03	-0.04	5.36e-05	6.75e-06	0.0
251	95	3.29e-03	2.74e-03	-0.04	5.16e-05	3.20e-06	0.0
251	98	-3.27e-03	-2.98e-03	-0.04	4.40e-05	1.45e-05	0.0
252	18	1.80e-03	7.20e-03	-0.10	1.76e-04	-1.29e-04	0.0
252	19	1.97e-03	7.04e-03	-0.06	1.03e-04	-5.83e-05	0.0
252	26	9.63e-04	4.41e-03	-0.12	1.56e-04	-1.35e-04	0.0
252	38	1.26e-03	4.72e-03	-0.06	9.35e-05	-6.59e-05	0.0
252	41	1.18e-03	4.80e-03	-0.07	1.27e-04	-9.54e-05	0.0
252	45	6.24e-04	2.94e-03	-0.08	1.14e-04	-9.94e-05	0.0
252	47	-1.96e-04	1.00e-04	-0.07	9.59e-05	-9.84e-05	0.0
252	52	1.07e-04	1.01e-03	-0.06	9.10e-05	-8.79e-05	0.0
252	54	-1.74e-04	7.80e-05	-0.06	8.71e-05	-9.05e-05	0.0
252	61	-0.01	3.94e-03	-0.08	1.54e-04	-2.94e-04	0.0
252	85	-6.58e-03	7.56e-03	-0.08	1.49e-04	-2.20e-04	0.0
252	93	-4.73e-03	1.93e-03	-0.07	1.18e-04	-1.81e-04	0.0
252	117	-3.12e-03	3.65e-03	-0.07	1.17e-04	-1.50e-04	0.0
253	18	-1.38e-03	7.71e-03	-0.11	1.58e-05	-1.48e-04	0.0
253	26	-1.08e-03	4.80e-03	-0.13	2.04e-05	-1.48e-04	0.0
253	41	-9.51e-04	5.15e-03	-0.09	1.92e-05	-1.09e-04	0.0
253	45	-7.54e-04	3.21e-03	-0.10	2.23e-05	-1.09e-04	0.0
253	47	-4.09e-04	2.20e-04	-0.08	5.35e-05	-1.04e-04	0.0
253	52	-4.62e-04	1.16e-03	-0.08	4.82e-05	-9.51e-05	0.0
253	54	-3.65e-04	1.84e-04	-0.08	5.48e-05	-9.60e-05	0.0
253	61	-0.01	4.22e-03	-0.11	1.24e-04	-3.84e-04	0.0
253	85	-8.98e-03	8.02e-03	-0.10	-3.38e-06	-2.84e-04	0.0
253	93	-6.04e-03	2.12e-03	-0.09	8.50e-05	-2.25e-04	0.0
253	117	-4.39e-03	3.93e-03	-0.09	2.76e-05	-1.83e-04	0.0
254	19	9.08e-03	1.63e-04	-0.05	5.29e-05	3.56e-05	0.0
254	22	9.11e-03	1.34e-04	-0.05	6.58e-05	4.76e-05	0.0
254	24	5.45e-03	2.54e-05	-0.08	7.86e-05	6.29e-05	0.0
254	38	6.05e-03	6.54e-05	-0.05	5.19e-05	3.76e-05	0.0
254	41	6.07e-03	4.63e-05	-0.05	6.05e-05	4.57e-05	0.0
254	43	3.63e-03	-1.69e-06	-0.06	5.78e-05	4.81e-05	0.0
254	47	-4.28e-06	-1.46e-04	-0.04	4.79e-05	4.28e-05	0.0
254	48	-1.74e-05	-1.33e-04	-0.04	5.02e-05	4.63e-05	0.0
254	52	1.20e-03	-1.01e-04	-0.04	4.86e-05	4.18e-05	0.0
254	53	-1.77e-05	-1.33e-04	-0.04	4.72e-05	4.30e-05	0.0
254	54	-9.64e-06	-1.40e-04	-0.04	4.76e-05	4.29e-05	0.0
254	59	6.17e-03	6.01e-03	-0.05	6.08e-05	8.41e-05	0.0
254	66	-7.13e-03	-7.13e-03	-0.03	3.77e-05	-6.37e-06	0.0
254	91	2.72e-03	2.58e-03	-0.05	5.34e-05	6.12e-05	0.0
254	98	-3.12e-03	-3.23e-03	-0.04	4.33e-05	2.09e-05	0.0
255	19	1.86e-03	1.82e-04	-0.05	2.67e-05	6.52e-05	0.0
255	26	8.97e-04	3.10e-05	-0.10	5.71e-05	1.19e-04	0.0
255	38	1.19e-03	7.62e-05	-0.05	2.69e-05	6.59e-05	0.0
255	45	5.79e-04	1.25e-06	-0.07	4.11e-05	8.67e-05	0.0
255	47	-2.10e-04	-1.41e-04	-0.05	3.67e-05	7.39e-05	0.0
255	54	-1.90e-04	-1.40e-04	-0.05	3.24e-05	6.99e-05	0.0
255	59	7.25e-03	6.13e-03	-0.06	4.73e-05	9.02e-05	0.0
255	61	-0.01	-3.46e-03	-0.04	8.18e-06	3.94e-05	0.0
255	66	-4.84e-03	-7.28e-03	-0.04	2.30e-05	5.69e-05	0.0
255	91	3.08e-03	2.63e-03	-0.06	3.89e-05	7.88e-05	0.0

255	93	-4.74e-03	-1.59e-03	-0.05	2.15e-05	5.63e-05	0.0
255	98	-2.33e-03	-3.30e-03	-0.05	2.80e-05	6.40e-05	0.0
256	4	-2.19e-04	2.45e-05	-0.08	-1.22e-06	1.26e-04	0.0
256	21	3.10e-05	1.75e-04	-0.06	-1.33e-06	8.88e-05	0.0
256	26	-1.60e-04	4.38e-05	-0.10	-2.98e-06	1.21e-04	0.0
256	34	-1.70e-04	-2.76e-06	-0.06	0.0	9.08e-05	0.0
256	40	-4.51e-05	7.43e-05	-0.06	0.0	8.04e-05	0.0
256	45	-1.30e-04	1.02e-05	-0.07	-1.47e-06	8.72e-05	0.0
256	47	-2.44e-04	-1.27e-04	-0.05	3.12e-06	7.11e-05	0.0
256	48	-1.94e-04	-1.32e-04	-0.05	2.50e-06	6.12e-05	0.0
256	53	-1.92e-04	-1.32e-04	-0.05	3.13e-06	5.92e-05	0.0
256	54	-2.23e-04	-1.29e-04	-0.05	3.13e-06	6.64e-05	0.0
256	59	8.14e-03	6.23e-03	-0.07	1.72e-05	7.73e-05	0.0
256	61	-0.01	-3.50e-03	-0.04	-2.08e-05	3.97e-05	0.0
256	66	-5.42e-03	-7.37e-03	-0.04	-6.95e-06	4.84e-05	0.0
256	91	3.44e-03	2.68e-03	-0.06	9.28e-06	7.11e-05	0.0
256	93	-5.49e-03	-1.60e-03	-0.05	-7.70e-06	5.46e-05	0.0
256	98	-2.63e-03	-3.33e-03	-0.05	-1.67e-06	5.85e-05	0.0
257	19	8.24e-03	1.35e-04	-0.05	3.63e-05	5.30e-05	0.0
257	21	8.25e-03	1.09e-04	-0.05	3.89e-05	5.26e-05	0.0
257	24	4.93e-03	7.83e-06	-0.09	5.36e-05	8.51e-05	0.0
257	34	3.29e-03	-5.19e-05	-0.05	4.16e-05	6.39e-05	0.0
257	40	5.49e-03	2.89e-05	-0.05	3.73e-05	5.31e-05	0.0
257	43	3.28e-03	-1.36e-05	-0.06	3.94e-05	6.43e-05	0.0
257	47	-2.61e-05	-1.47e-04	-0.05	3.34e-05	5.47e-05	0.0
257	48	-3.09e-05	-1.35e-04	-0.05	3.41e-05	5.90e-05	0.0
257	52	1.08e-03	-1.06e-04	-0.05	3.35e-05	5.45e-05	0.0
257	53	-3.09e-05	-1.34e-04	-0.05	3.21e-05	5.49e-05	0.0
257	54	-2.80e-05	-1.42e-04	-0.05	3.29e-05	5.48e-05	0.0
257	55	6.54e-03	6.18e-03	-0.06	3.60e-05	1.01e-04	0.0
257	66	-6.83e-03	-7.15e-03	-0.04	2.46e-05	1.86e-06	0.0
257	91	2.81e-03	2.59e-03	-0.05	3.45e-05	7.46e-05	0.0
257	98	-3.00e-03	-3.24e-03	-0.04	2.93e-05	3.11e-05	0.0
258	18	6.56e-03	6.99e-03	-0.07	-4.48e-05	4.02e-05	0.0
258	19	6.58e-03	6.89e-03	-0.04	-2.80e-05	8.23e-05	0.0
258	26	3.92e-03	4.24e-03	-0.09	-5.24e-05	-2.92e-05	0.0
258	38	4.38e-03	4.59e-03	-0.05	-3.73e-05	2.14e-05	0.0
258	41	4.37e-03	4.65e-03	-0.05	-3.41e-05	1.54e-05	0.0
258	45	2.61e-03	2.82e-03	-0.07	-3.92e-05	-3.08e-05	0.0
258	50	-3.53e-05	-4.07e-06	-0.06	-4.75e-05	-9.87e-05	0.0
258	51	8.51e-04	8.92e-04	-0.06	-4.66e-05	-7.26e-05	0.0
258	52	8.46e-04	9.19e-04	-0.06	-4.40e-05	-7.48e-05	0.0
258	53	-3.02e-05	-3.21e-05	-0.06	-4.90e-05	-9.61e-05	0.0
258	54	-3.53e-05	-5.43e-06	-0.06	-4.63e-05	-9.84e-05	0.0
258	58	-7.34e-03	5.11e-04	-0.08	-4.99e-05	-3.36e-04	0.0
258	70	-6.36e-03	2.40e-03	-0.08	-6.31e-05	-3.28e-04	0.0
258	84	-2.22e-03	-7.39e-03	-0.07	-1.77e-05	-1.85e-04	0.0
258	90	-3.24e-03	2.44e-04	-0.07	-4.79e-05	-2.03e-04	0.0
258	102	-2.83e-03	1.10e-03	-0.07	-5.36e-05	-2.00e-04	0.0
258	116	-1.01e-03	-3.53e-03	-0.06	-3.38e-05	-1.38e-04	0.0
259	19	6.48e-03	1.58e-04	-0.05	-1.42e-05	6.20e-05	0.0
259	26	3.82e-03	-1.79e-06	-0.09	-1.10e-05	9.22e-05	0.0
259	38	4.30e-03	6.08e-05	-0.05	-1.32e-05	6.05e-05	0.0
259	45	2.54e-03	-2.02e-05	-0.06	-8.71e-06	6.93e-05	0.0
259	47	-7.22e-05	-1.47e-04	-0.05	-6.47e-06	5.74e-05	0.0
259	50	-6.79e-05	-1.43e-04	-0.05	-9.52e-06	6.16e-05	0.0
259	51	8.12e-04	-9.70e-05	-0.05	-1.15e-05	5.83e-05	0.0
259	54	-6.73e-05	-1.43e-04	-0.05	-8.30e-06	5.76e-05	0.0
259	55	7.19e-03	6.19e-03	-0.06	-6.06e-06	9.19e-05	0.0
259	58	-7.32e-03	-6.47e-03	-0.04	-1.05e-05	2.33e-05	0.0
259	66	-6.44e-03	-7.17e-03	-0.04	-1.87e-05	2.36e-05	0.0
259	87	3.12e-03	2.63e-03	-0.05	-7.32e-06	7.28e-05	0.0
259	90	-3.26e-03	-2.92e-03	-0.04	-9.29e-06	4.23e-05	0.0
259	98	-2.87e-03	-3.25e-03	-0.04	-1.30e-05	4.22e-05	0.0
260	22	9.27e-03	6.93e-03	-0.06	-1.69e-04	-3.70e-05	0.0
260	26	5.58e-03	4.18e-03	-0.11	-1.24e-04	-1.38e-04	0.0
260	41	6.18e-03	4.60e-03	-0.06	-1.19e-04	-7.40e-05	0.0
260	45	3.72e-03	2.78e-03	-0.08	-8.17e-05	-1.06e-04	0.0
260	47	4.25e-06	-1.74e-05	-0.06	-2.06e-05	-1.46e-04	0.0
260	52	1.23e-03	8.87e-04	-0.06	-3.68e-05	-1.26e-04	0.0
260	53	-1.44e-05	-5.81e-05	-0.06	-1.26e-05	-1.35e-04	0.0
260	54	-3.22e-06	-3.37e-05	-0.06	-1.74e-05	-1.42e-04	0.0
260	66	-7.21e-03	2.73e-03	-0.07	1.48e-04	-2.56e-04	0.0
260	77	3.53e-03	6.08e-03	-0.08	-1.06e-04	-3.32e-04	0.0
260	84	-3.13e-03	-7.37e-03	-0.05	1.05e-04	2.44e-05	0.0
260	98	-3.16e-03	1.25e-03	-0.07	5.87e-05	-1.91e-04	0.0
260	109	1.55e-03	2.87e-03	-0.07	-5.93e-05	-2.24e-04	0.0

260	116	-1.44e-03	-3.54e-03	-0.06	4.14e-05	-6.96e-05	0.0
261	18	7.37e-04	7.29e-03	-0.11	1.21e-04	-1.50e-04	0.0
261	19	9.67e-04	7.11e-03	-0.07	7.06e-05	-7.24e-05	0.0
261	26	2.83e-04	4.49e-03	-0.12	1.10e-04	-1.53e-04	0.0
261	38	5.79e-04	4.77e-03	-0.07	7.07e-05	-7.72e-05	0.0
261	41	4.69e-04	4.86e-03	-0.08	9.02e-05	-1.10e-04	0.0
261	45	1.66e-04	2.99e-03	-0.09	8.32e-05	-1.12e-04	0.0
261	47	-2.63e-04	1.27e-04	-0.07	8.45e-05	-1.07e-04	0.0
261	52	-7.96e-05	1.04e-03	-0.07	7.92e-05	-9.63e-05	0.0
261	54	-2.33e-04	1.02e-04	-0.07	7.94e-05	-9.78e-05	0.0
261	61	-0.01	3.98e-03	-0.09	1.40e-04	-3.29e-04	0.0
261	85	-7.31e-03	7.63e-03	-0.09	4.99e-05	-2.47e-04	0.0
261	93	-5.16e-03	1.96e-03	-0.08	1.06e-04	-2.01e-04	0.0
261	117	-3.51e-03	3.70e-03	-0.08	6.59e-05	-1.67e-04	0.0
262	19	9.99e-04	1.97e-04	-0.05	1.36e-05	6.83e-05	0.0
262	21	8.89e-04	1.98e-04	-0.06	2.34e-05	9.26e-05	0.0
262	26	3.62e-04	4.91e-05	-0.10	2.61e-05	1.27e-04	0.0
262	38	6.05e-04	8.73e-05	-0.05	1.39e-05	6.88e-05	0.0
262	40	5.31e-04	8.79e-05	-0.06	2.05e-05	8.50e-05	0.0
262	45	2.19e-04	1.34e-05	-0.07	1.91e-05	9.20e-05	0.0
262	47	-2.31e-04	-1.36e-04	-0.05	1.87e-05	7.72e-05	0.0
262	48	-1.80e-04	-1.36e-04	-0.05	1.39e-05	6.79e-05	0.0
262	53	-1.78e-04	-1.36e-04	-0.05	1.41e-05	6.56e-05	0.0
262	54	-2.10e-04	-1.36e-04	-0.05	1.69e-05	7.26e-05	0.0
262	59	7.69e-03	6.15e-03	-0.07	2.95e-05	8.72e-05	0.0
262	61	-0.01	-3.47e-03	-0.04	-6.61e-06	4.49e-05	0.0
262	66	-5.11e-03	-7.30e-03	-0.04	5.57e-06	5.78e-05	0.0
262	91	3.25e-03	2.64e-03	-0.06	2.24e-05	7.90e-05	0.0
262	93	-5.11e-03	-1.59e-03	-0.05	6.28e-06	6.03e-05	0.0
262	98	-2.47e-03	-3.30e-03	-0.05	1.16e-05	6.60e-05	0.0
263	18	-2.20e-03	3.68e-04	-0.08	1.07e-04	1.13e-04	0.0
263	22	-2.15e-03	3.93e-04	-0.07	8.41e-05	9.38e-05	0.0
263	26	-1.42e-03	2.03e-04	-0.10	1.09e-04	1.20e-04	0.0
263	41	-1.49e-03	2.28e-04	-0.06	8.00e-05	8.01e-05	0.0
263	45	-9.72e-04	1.18e-04	-0.08	8.10e-05	8.45e-05	0.0
263	46	-1.89e-04	-1.11e-04	-0.05	6.96e-05	4.77e-05	0.0
263	47	-2.12e-04	-9.45e-05	-0.06	8.12e-05	6.51e-05	0.0
263	52	-4.57e-04	-3.83e-05	-0.06	7.51e-05	5.91e-05	0.0
263	53	-1.89e-04	-1.11e-04	-0.05	6.96e-05	4.77e-05	0.0
263	54	-2.03e-04	-1.01e-04	-0.06	7.66e-05	5.81e-05	0.0
263	60	0.01	3.23e-03	-0.08	1.02e-04	7.58e-05	0.0
263	61	-0.01	-3.43e-03	-0.04	5.12e-05	4.04e-05	0.0
263	66	-0.01	-7.34e-03	-0.05	6.32e-05	3.90e-05	0.0
263	92	6.20e-03	1.35e-03	-0.07	8.83e-05	6.58e-05	0.0
263	93	-6.60e-03	-1.55e-03	-0.05	6.49e-05	5.04e-05	0.0
263	98	-4.91e-03	-3.30e-03	-0.05	7.03e-05	4.94e-05	0.0
264	20	7.52e-03	6.90e-03	-0.05	-7.78e-05	7.14e-05	0.0
264	22	7.52e-03	6.99e-03	-0.05	-7.91e-05	6.16e-05	0.0
264	26	4.50e-03	4.23e-03	-0.10	-7.57e-05	-4.98e-05	0.0
264	39	5.01e-03	4.59e-03	-0.05	-6.39e-05	8.43e-06	0.0
264	41	5.01e-03	4.65e-03	-0.05	-6.48e-05	1.86e-06	0.0
264	45	3.00e-03	2.81e-03	-0.07	-5.23e-05	-4.60e-05	0.0
264	50	-2.69e-05	-1.49e-05	-0.06	-3.07e-05	-1.15e-04	0.0
264	51	9.81e-04	8.84e-04	-0.06	-3.64e-05	-8.72e-05	0.0
264	52	9.80e-04	9.10e-04	-0.06	-3.68e-05	-9.00e-05	0.0
264	53	-2.61e-05	-4.22e-05	-0.06	-2.99e-05	-1.11e-04	0.0
264	54	-2.71e-05	-1.61e-05	-0.06	-3.02e-05	-1.14e-04	0.0
264	58	-6.97e-03	5.00e-04	-0.08	2.49e-05	-3.55e-04	0.0
264	66	-6.66e-03	2.76e-03	-0.08	3.86e-05	-3.52e-04	0.0
264	84	-2.47e-03	-7.40e-03	-0.07	2.08e-05	-2.02e-04	0.0
264	90	-3.07e-03	2.34e-04	-0.07	-5.43e-06	-2.20e-04	0.0
264	98	-2.93e-03	1.27e-03	-0.07	1.16e-06	-2.19e-04	0.0
264	116	-1.12e-03	-3.54e-03	-0.07	-5.87e-06	-1.54e-04	0.0
265	22	8.40e-03	6.97e-03	-0.05	-1.22e-04	2.35e-05	0.0
265	26	5.04e-03	4.21e-03	-0.10	-9.21e-05	-8.48e-05	0.0
265	41	5.60e-03	4.63e-03	-0.06	-8.79e-05	-2.77e-05	0.0
265	45	3.36e-03	2.80e-03	-0.07	-6.09e-05	-6.99e-05	0.0
265	50	-1.87e-05	-2.43e-05	-0.06	-1.50e-05	-1.27e-04	0.0
265	52	1.10e-03	8.99e-04	-0.06	-2.92e-05	-1.05e-04	0.0
265	53	-2.32e-05	-5.08e-05	-0.06	-1.26e-05	-1.22e-04	0.0
265	54	-1.91e-05	-2.54e-05	-0.06	-1.52e-05	-1.26e-04	0.0
265	65	-4.03e-03	5.67e-03	-0.08	4.78e-05	-3.48e-04	0.0
265	66	-6.92e-03	2.75e-03	-0.07	1.03e-04	-2.60e-04	0.0
265	84	-2.78e-03	-7.39e-03	-0.05	7.37e-05	5.90e-05	0.0
265	97	-1.77e-03	2.65e-03	-0.07	1.32e-05	-2.23e-04	0.0
265	98	-3.04e-03	1.26e-03	-0.07	3.92e-05	-1.84e-04	0.0
265	116	-1.27e-03	-3.54e-03	-0.06	2.75e-05	-4.44e-05	0.0

266	19	7.40e-03	1.35e-04	-0.05	1.05e-05	6.31e-05	0.0
266	24	4.41e-03	6.75e-06	-0.09	1.51e-05	9.75e-05	0.0
266	34	2.93e-03	-5.13e-05	-0.05	1.53e-05	7.25e-05	0.0
266	38	4.92e-03	4.56e-05	-0.05	1.03e-05	6.24e-05	0.0
266	43	2.94e-03	-1.44e-05	-0.06	1.11e-05	7.33e-05	0.0
266	47	-4.79e-05	-1.47e-04	-0.05	1.15e-05	6.10e-05	0.0
266	48	-4.48e-05	-1.36e-04	-0.05	9.59e-06	6.59e-05	0.0
266	51	9.48e-04	-9.92e-05	-0.05	9.45e-06	6.16e-05	0.0
266	53	-4.45e-05	-1.35e-04	-0.05	9.22e-06	6.14e-05	0.0
266	54	-4.66e-05	-1.42e-04	-0.05	1.06e-05	6.12e-05	0.0
266	55	6.83e-03	6.19e-03	-0.06	1.41e-05	1.04e-04	0.0
266	58	-6.92e-03	-6.48e-03	-0.04	7.10e-06	1.87e-05	0.0
266	66	-6.60e-03	-7.17e-03	-0.04	-3.83e-06	1.58e-05	0.0
266	87	2.97e-03	2.63e-03	-0.05	1.21e-05	8.00e-05	0.0
266	90	-3.06e-03	-2.92e-03	-0.04	9.07e-06	4.24e-05	0.0
266	98	-2.92e-03	-3.25e-03	-0.04	4.21e-06	4.07e-05	0.0
267	15	-1.87e-03	4.20e-03	-0.09	-1.00e-05	-1.01e-05	0.0
267	19	-2.53e-03	3.87e-03	-0.06	-1.97e-05	4.26e-06	0.0
267	26	6.70e-04	2.04e-03	-0.12	-1.30e-05	-4.27e-05	0.0
267	34	1.13e-03	1.68e-03	-0.08	0.0	-4.50e-05	0.0
267	38	-9.21e-04	3.06e-03	-0.07	0.0	-1.44e-05	0.0
267	45	7.70e-04	1.62e-03	-0.09	-1.83e-06	-3.61e-05	0.0
267	47	2.69e-03	1.22e-03	-0.08	3.46e-05	-6.05e-05	0.0
267	51	1.68e-03	1.89e-03	-0.07	3.47e-05	-4.55e-05	0.0
267	53	2.33e-03	1.60e-03	-0.07	4.33e-05	-5.32e-05	0.0
267	54	2.55e-03	1.37e-03	-0.07	3.81e-05	-5.76e-05	0.0
267	81	-2.84e-03	2.90e-03	-0.06	-6.59e-05	6.60e-06	0.0
267	84	8.03e-03	-1.54e-04	-0.08	1.06e-04	-1.47e-04	0.0
267	86	6.27e-03	3.75e-04	-0.09	1.50e-04	-2.59e-04	0.0
267	116	5.16e-03	6.43e-04	-0.08	7.08e-05	-9.86e-05	0.0
267	117	-6.55e-05	2.10e-03	-0.07	5.37e-06	-1.66e-05	0.0
267	118	4.33e-03	8.93e-04	-0.08	9.08e-05	-1.50e-04	0.0
268	18	-2.75e-03	1.23e-03	-0.08	9.93e-05	4.59e-05	0.0
268	22	-2.71e-03	1.26e-03	-0.06	7.61e-05	3.98e-05	0.0
268	26	-1.72e-03	7.05e-04	-0.10	1.01e-04	5.34e-05	0.0
268	41	-1.86e-03	8.03e-04	-0.06	7.54e-05	3.00e-05	0.0
268	45	-1.17e-03	4.54e-04	-0.08	7.66e-05	3.50e-05	0.0
268	46	-1.77e-04	-1.09e-04	-0.06	7.25e-05	6.08e-06	0.0
268	47	-1.81e-04	-1.04e-04	-0.06	8.09e-05	1.60e-05	0.0
268	52	-5.14e-04	7.44e-05	-0.06	7.54e-05	1.38e-05	0.0
268	53	-1.77e-04	-1.09e-04	-0.06	7.25e-05	6.08e-06	0.0
268	54	-1.79e-04	-1.06e-04	-0.06	7.76e-05	1.21e-05	0.0
268	60	0.01	2.56e-03	-0.08	1.10e-04	-6.47e-06	0.0
268	61	-0.02	-2.77e-03	-0.04	4.49e-05	3.06e-05	0.0
268	66	-0.01	-6.59e-03	-0.05	5.07e-05	1.87e-05	0.0
268	92	6.59e-03	1.05e-03	-0.07	9.25e-05	3.53e-06	0.0
268	93	-6.95e-03	-1.26e-03	-0.05	6.26e-05	2.06e-05	0.0
268	98	-5.20e-03	-2.98e-03	-0.05	6.54e-05	1.52e-05	0.0
269	4	1.88e-03	2.10e-03	-0.11	-2.84e-05	-8.05e-05	0.0
269	15	-8.62e-04	4.20e-03	-0.09	-2.17e-05	-3.28e-05	0.0
269	26	1.32e-03	2.01e-03	-0.12	-3.13e-05	-6.49e-05	0.0
269	34	1.58e-03	1.66e-03	-0.08	-1.32e-05	-6.17e-05	0.0
269	38	-2.47e-04	3.06e-03	-0.07	-8.77e-06	-2.98e-05	0.0
269	45	1.21e-03	1.60e-03	-0.09	-1.52e-05	-5.12e-05	0.0
269	47	2.74e-03	1.19e-03	-0.08	2.31e-05	-6.79e-05	0.0
269	51	1.85e-03	1.88e-03	-0.07	2.48e-05	-5.24e-05	0.0
269	53	2.37e-03	1.58e-03	-0.07	3.32e-05	-5.80e-05	0.0
269	54	2.60e-03	1.35e-03	-0.07	2.72e-05	-6.39e-05	0.0
269	62	1.73e-03	1.87e-03	-0.08	9.87e-05	-3.64e-04	0.0
269	84	7.12e-03	-2.39e-04	-0.08	9.33e-05	-1.50e-04	0.0
269	85	-1.93e-03	2.94e-03	-0.07	-3.90e-05	2.17e-05	0.0
269	94	2.20e-03	1.57e-03	-0.08	5.99e-05	-1.97e-04	0.0
269	116	4.76e-03	5.89e-04	-0.08	5.88e-05	-1.03e-04	0.0
269	117	4.33e-04	2.11e-03	-0.07	-4.47e-06	-2.44e-05	0.0
270	18	-2.73e-03	2.70e-03	-0.09	2.44e-05	-1.07e-04	0.0
270	19	-2.69e-03	2.81e-03	-0.06	1.59e-05	-5.54e-05	0.0
270	26	-1.70e-03	1.53e-03	-0.11	3.00e-05	-1.04e-04	0.0
270	38	-1.85e-03	1.83e-03	-0.06	2.70e-05	-6.53e-05	0.0
270	41	-1.85e-03	1.78e-03	-0.07	2.34e-05	-8.30e-05	0.0
270	45	-1.16e-03	1.01e-03	-0.08	2.72e-05	-8.13e-05	0.0
270	47	-1.83e-04	-1.62e-04	-0.07	4.78e-05	-9.69e-05	0.0
270	51	-5.16e-04	2.62e-04	-0.06	4.57e-05	-8.19e-05	0.0
270	52	-5.16e-04	2.43e-04	-0.06	4.42e-05	-8.84e-05	0.0
270	54	-1.83e-04	-1.49e-04	-0.07	4.88e-05	-9.26e-05	0.0
270	60	0.01	1.19e-03	-0.08	8.87e-05	-2.60e-05	0.0
270	61	-0.02	-1.48e-03	-0.05	8.96e-06	-1.59e-04	0.0
270	84	0.01	-5.60e-03	-0.08	1.20e-04	-1.25e-04	0.0

270	92	6.59e-03	4.15e-04	-0.07	6.74e-05	-6.35e-05	0.0
270	93	-6.96e-03	-7.13e-04	-0.06	3.03e-05	-1.22e-04	0.0
270	116	4.79e-03	-2.66e-03	-0.07	8.25e-05	-1.08e-04	0.0
271	18	-2.70e-03	2.03e-03	-0.08	5.19e-05	-6.01e-05	0.0
271	20	-2.65e-03	2.09e-03	-0.06	3.23e-05	-3.80e-05	0.0
271	26	-1.70e-03	1.17e-03	-0.10	5.53e-05	-5.30e-05	0.0
271	39	-1.82e-03	1.35e-03	-0.06	4.01e-05	-4.27e-05	0.0
271	41	-1.83e-03	1.34e-03	-0.06	4.21e-05	-4.79e-05	0.0
271	45	-1.16e-03	7.63e-04	-0.08	4.43e-05	-4.32e-05	0.0
271	47	-1.91e-04	-1.26e-04	-0.06	5.72e-05	-5.78e-05	0.0
271	51	-5.10e-04	1.78e-04	-0.06	5.25e-05	-5.15e-05	0.0
271	52	-5.15e-04	1.72e-04	-0.06	5.34e-05	-5.38e-05	0.0
271	54	-1.88e-04	-1.22e-04	-0.06	5.66e-05	-5.64e-05	0.0
271	60	0.01	1.86e-03	-0.08	8.94e-05	-7.33e-05	0.0
271	61	-0.02	-2.10e-03	-0.04	2.39e-05	-3.94e-05	0.0
271	78	-9.87e-03	-5.95e-03	-0.07	8.80e-05	-7.92e-05	0.0
271	92	6.54e-03	7.29e-04	-0.07	7.18e-05	-6.42e-05	0.0
271	93	-6.92e-03	-9.73e-04	-0.05	4.14e-05	-4.85e-05	0.0
271	118	2.34e-03	-2.73e-03	-0.06	7.43e-05	-6.94e-05	0.0
272	22	0.01	6.88e-03	-0.07	-2.18e-04	-1.18e-04	0.0
272	26	6.13e-03	4.15e-03	-0.11	-1.68e-04	-2.12e-04	0.0
272	41	6.76e-03	4.57e-03	-0.07	-1.57e-04	-1.37e-04	0.0
272	45	4.08e-03	2.75e-03	-0.08	-1.12e-04	-1.57e-04	0.0
272	47	2.90e-05	-2.42e-05	-0.07	-3.63e-05	-2.73e-04	0.0
272	52	1.36e-03	8.75e-04	-0.07	-5.53e-05	-1.58e-04	0.0
272	53	-4.41e-06	-6.28e-05	-0.06	-2.50e-05	-1.59e-04	0.0
272	54	1.56e-05	-3.96e-05	-0.06	-3.18e-05	-1.67e-04	0.0
272	63	7.59e-03	-2.79e-03	-0.06	-2.28e-04	-7.36e-05	0.0
272	84	-3.54e-03	-7.34e-03	-0.04	1.13e-04	-2.11e-06	0.0
272	85	3.57e-03	7.26e-03	-0.08	-1.76e-04	-3.33e-04	0.0
272	95	3.33e-03	-1.32e-03	-0.06	-1.22e-04	-1.27e-04	0.0
272	116	-1.62e-03	-3.52e-03	-0.06	3.78e-05	-9.52e-05	0.0
272	117	1.65e-03	3.44e-03	-0.07	-1.01e-04	-2.40e-04	0.0
273	18	9.98e-03	1.29e-04	-0.06	9.37e-05	3.58e-05	0.0
273	19	9.93e-03	1.94e-04	-0.04	6.01e-05	1.87e-05	0.0
273	24	5.97e-03	4.49e-05	-0.08	9.01e-05	4.21e-05	0.0
273	38	6.62e-03	8.65e-05	-0.04	5.93e-05	2.27e-05	0.0
273	41	6.65e-03	6.73e-05	-0.04	6.86e-05	2.87e-05	0.0
273	43	3.98e-03	1.14e-05	-0.06	6.62e-05	3.29e-05	0.0
273	47	1.74e-05	-1.45e-04	-0.04	5.49e-05	3.20e-05	0.0
273	51	1.32e-03	-8.81e-05	-0.04	5.54e-05	3.04e-05	0.0
273	52	1.33e-03	-9.59e-05	-0.04	5.57e-05	3.02e-05	0.0
273	53	-4.62e-06	-1.32e-04	-0.04	5.45e-05	3.23e-05	0.0
273	54	8.57e-06	-1.40e-04	-0.04	5.48e-05	3.22e-05	0.0
273	59	5.98e-03	5.98e-03	-0.05	7.55e-05	6.09e-05	0.0
273	63	7.52e-03	6.82e-03	-0.05	7.01e-05	1.22e-05	0.0
273	66	-7.50e-03	-7.10e-03	-0.03	3.95e-05	5.22e-05	0.0
273	91	2.65e-03	2.57e-03	-0.04	6.38e-05	4.49e-05	0.0
273	95	3.29e-03	2.94e-03	-0.04	6.16e-05	2.32e-05	0.0
273	98	-3.28e-03	-3.22e-03	-0.04	4.79e-05	4.11e-05	0.0
274	18	-2.78e-03	4.07e-04	-0.09	1.69e-04	1.64e-04	0.0
274	22	-2.75e-03	4.30e-04	-0.07	1.34e-04	1.36e-04	0.0
274	26	-1.74e-03	2.31e-04	-0.11	1.69e-04	1.70e-04	0.0
274	41	-1.88e-03	2.54e-04	-0.07	1.25e-04	1.16e-04	0.0
274	45	-1.19e-03	1.37e-04	-0.08	1.25e-04	1.20e-04	0.0
274	46	-1.74e-04	-1.06e-04	-0.06	1.03e-04	6.99e-05	0.0
274	47	-1.76e-04	-8.77e-05	-0.06	1.21e-04	9.51e-05	0.0
274	52	-5.16e-04	-2.86e-05	-0.06	1.12e-04	8.64e-05	0.0
274	53	-1.74e-04	-1.06e-04	-0.06	1.03e-04	6.99e-05	0.0
274	54	-1.76e-04	-9.52e-05	-0.06	1.14e-04	8.50e-05	0.0
274	60	0.02	3.23e-03	-0.08	1.51e-04	1.14e-04	0.0
274	61	-0.02	-3.42e-03	-0.04	7.67e-05	5.57e-05	0.0
274	66	-0.01	-7.33e-03	-0.05	8.31e-05	5.30e-05	0.0
274	92	6.62e-03	1.35e-03	-0.07	1.30e-04	9.79e-05	0.0
274	93	-6.97e-03	-1.54e-03	-0.05	9.70e-05	7.22e-05	0.0
274	98	-5.22e-03	-3.30e-03	-0.06	9.99e-05	7.05e-05	0.0
275	22	9.13e-03	4.05e-03	-0.06	3.26e-05	-3.90e-05	0.0
275	26	5.49e-03	2.42e-03	-0.09	5.94e-05	-7.40e-05	0.0
275	41	6.08e-03	2.67e-03	-0.05	3.84e-05	-4.70e-05	0.0
275	45	3.66e-03	1.60e-03	-0.07	4.46e-05	-5.45e-05	0.0
275	52	1.21e-03	4.81e-04	-0.05	4.37e-05	-5.53e-05	0.0
275	53	-1.52e-05	-7.35e-05	-0.05	4.65e-05	-5.60e-05	0.0
275	54	-6.09e-06	-6.39e-05	-0.05	4.69e-05	-5.89e-05	0.0
275	59	6.23e-03	-1.16e-03	-0.06	4.55e-05	-3.37e-05	0.0
275	66	-7.14e-03	2.80e-03	-0.04	3.86e-05	-8.52e-05	0.0
275	84	-3.08e-03	-6.17e-03	-0.04	8.82e-05	-1.32e-05	0.0
275	91	2.75e-03	-5.18e-04	-0.05	4.61e-05	-4.79e-05	0.0

275	98	-3.13e-03	1.23e-03	-0.04	4.31e-05	-7.02e-05	0.0
275	116	-1.41e-03	-2.91e-03	-0.05	6.66e-05	-3.89e-05	0.0
276	19	3.69e-03	1.06e-03	-0.05	7.64e-06	1.96e-05	0.0
276	26	2.06e-03	5.60e-04	-0.09	3.49e-05	3.23e-05	0.0
276	38	2.42e-03	6.64e-04	-0.05	8.64e-06	2.09e-05	0.0
276	45	1.36e-03	3.55e-04	-0.06	2.46e-05	2.47e-05	0.0
276	47	-1.52e-04	-1.31e-04	-0.05	2.26e-05	2.26e-05	0.0
276	51	3.92e-04	3.03e-05	-0.04	1.01e-05	2.28e-05	0.0
276	54	-1.37e-04	-1.30e-04	-0.04	1.77e-05	2.29e-05	0.0
276	59	6.36e-03	5.43e-03	-0.05	4.44e-05	2.90e-05	0.0
276	61	-8.93e-03	-2.90e-03	-0.04	4.03e-06	1.42e-05	0.0
276	66	-4.38e-03	-6.67e-03	-0.04	-8.34e-06	1.65e-05	0.0
276	91	2.72e-03	2.33e-03	-0.05	2.96e-05	2.56e-05	0.0
276	93	-4.03e-03	-1.33e-03	-0.04	1.18e-05	1.90e-05	0.0
276	98	-2.06e-03	-3.03e-03	-0.04	5.96e-06	1.99e-05	0.0
277	19	4.62e-03	1.06e-03	-0.05	-9.80e-06	1.98e-05	0.0
277	26	2.65e-03	5.60e-04	-0.08	7.61e-06	3.20e-05	0.0
277	38	3.05e-03	6.63e-04	-0.05	-7.94e-06	2.08e-05	0.0
277	45	1.75e-03	3.56e-04	-0.06	4.78e-06	2.47e-05	0.0
277	47	-1.23e-04	-1.29e-04	-0.04	6.21e-06	1.82e-05	0.0
277	51	5.35e-04	3.21e-05	-0.04	-4.50e-06	2.28e-05	0.0
277	52	5.18e-04	3.00e-05	-0.04	1.41e-06	2.23e-05	0.0
277	54	-1.11e-04	-1.28e-04	-0.04	2.27e-06	2.28e-05	0.0
277	56	8.09e-03	2.54e-03	-0.05	7.11e-06	2.83e-05	0.0
277	57	-8.31e-03	-2.80e-03	-0.03	-2.57e-06	1.73e-05	0.0
277	66	-4.21e-03	-6.66e-03	-0.04	1.14e-05	1.25e-05	0.0
277	88	3.50e-03	1.05e-03	-0.05	4.33e-06	2.53e-05	0.0
277	89	-3.72e-03	-1.31e-03	-0.04	0.0	2.04e-05	0.0
277	98	-1.95e-03	-3.02e-03	-0.04	6.26e-06	1.82e-05	0.0
278	18	4.66e-03	6.05e-03	-0.07	5.70e-05	1.51e-06	0.0
278	19	4.73e-03	5.97e-03	-0.04	3.61e-05	2.88e-05	0.0
278	26	2.75e-03	3.67e-03	-0.09	3.68e-05	-2.93e-05	0.0
278	38	3.13e-03	3.97e-03	-0.05	1.86e-05	1.51e-06	0.0
278	41	3.10e-03	4.02e-03	-0.05	3.76e-05	-5.27e-06	0.0
278	45	1.82e-03	2.44e-03	-0.07	2.41e-05	-2.58e-05	0.0
278	47	-8.51e-05	6.48e-06	-0.05	2.47e-06	-5.60e-05	0.0
278	51	5.76e-04	7.71e-04	-0.05	-6.33e-06	-4.08e-05	0.0
278	52	5.63e-04	7.92e-04	-0.05	2.69e-06	-4.36e-05	0.0
278	53	-6.26e-05	-2.88e-05	-0.05	-1.26e-05	-5.14e-05	0.0
278	54	-7.61e-05	-7.64e-06	-0.05	-3.54e-06	-5.41e-05	0.0
278	57	-8.29e-03	3.35e-03	-0.05	2.93e-05	-1.52e-04	0.0
278	62	-8.26e-03	2.79e-04	-0.06	1.66e-06	-1.96e-04	0.0
278	84	-2.15e-03	-6.87e-03	-0.05	-4.34e-05	-9.49e-05	0.0
278	89	-3.70e-03	1.57e-03	-0.05	1.18e-05	-9.74e-05	0.0
278	94	-3.70e-03	1.10e-04	-0.05	-1.38e-06	-1.17e-04	0.0
278	116	-1.01e-03	-3.26e-03	-0.05	-2.28e-05	-7.24e-05	0.0
279	18	3.72e-03	6.06e-03	-0.07	1.19e-04	-2.61e-05	0.0
279	19	3.81e-03	5.98e-03	-0.05	6.99e-05	4.59e-06	0.0
279	26	2.17e-03	3.68e-03	-0.09	9.69e-05	-4.65e-05	0.0
279	38	2.52e-03	3.98e-03	-0.05	5.34e-05	-1.41e-05	0.0
279	41	2.47e-03	4.03e-03	-0.05	8.26e-05	-2.35e-05	0.0
279	45	1.44e-03	2.45e-03	-0.07	6.80e-05	-3.71e-05	0.0
279	47	-1.13e-04	1.34e-05	-0.05	4.26e-05	-5.61e-05	0.0
279	51	4.37e-04	7.79e-04	-0.05	2.82e-05	-4.26e-05	0.0
279	52	4.19e-04	8.00e-04	-0.05	4.06e-05	-4.64e-05	0.0
279	53	-8.26e-05	-2.16e-05	-0.05	2.19e-05	-4.97e-05	0.0
279	54	-1.01e-04	0.0	-0.05	3.43e-05	-5.35e-05	0.0
279	57	-8.89e-03	3.35e-03	-0.06	6.72e-05	-1.92e-04	0.0
279	62	-8.91e-03	2.81e-04	-0.06	3.64e-05	-1.91e-04	0.0
279	84	-2.32e-03	-6.86e-03	-0.05	-1.09e-05	-8.83e-05	0.0
279	89	-3.98e-03	1.57e-03	-0.05	4.99e-05	-1.14e-04	0.0
279	94	-4.00e-03	1.15e-04	-0.05	3.52e-05	-1.14e-04	0.0
279	116	-1.11e-03	-3.26e-03	-0.05	1.25e-05	-6.91e-05	0.0
280	22	9.06e-03	3.05e-03	-0.05	4.89e-05	-5.85e-05	0.0
280	26	5.45e-03	1.80e-03	-0.09	6.63e-05	-7.55e-05	0.0
280	41	6.04e-03	2.01e-03	-0.05	4.78e-05	-5.57e-05	0.0
280	45	3.63e-03	1.19e-03	-0.06	4.86e-05	-5.38e-05	0.0
280	52	1.20e-03	3.34e-04	-0.05	4.24e-05	-4.63e-05	0.0
280	53	-1.66e-05	-8.68e-05	-0.04	4.22e-05	-4.32e-05	0.0
280	54	-8.28e-06	-8.18e-05	-0.04	4.28e-05	-4.53e-05	0.0
280	55	6.35e-03	4.28e-03	-0.06	5.49e-05	-4.35e-05	0.0
280	66	-7.12e-03	-5.78e-03	-0.03	3.18e-05	-5.17e-05	0.0
280	86	-6.39e-03	-6.03e-03	-0.04	6.41e-05	-3.18e-05	0.0
280	91	2.75e-03	1.90e-03	-0.05	4.78e-05	-4.49e-05	0.0
280	98	-3.12e-03	-2.64e-03	-0.04	3.82e-05	-4.81e-05	0.0
280	118	-2.86e-03	-2.82e-03	-0.04	5.29e-05	-3.89e-05	0.0
281	18	2.78e-03	6.06e-03	-0.08	1.60e-04	-4.71e-05	0.0

281	19	2.90e-03	5.98e-03	-0.05	9.07e-05	-1.51e-05	0.0
281	26	1.58e-03	3.68e-03	-0.10	1.40e-04	-5.89e-05	0.0
281	38	1.90e-03	3.99e-03	-0.05	7.84e-05	-2.68e-05	0.0
281	41	1.84e-03	4.04e-03	-0.06	1.14e-04	-3.74e-05	0.0
281	45	1.04e-03	2.45e-03	-0.07	1.00e-04	-4.53e-05	0.0
281	47	-1.47e-04	1.89e-05	-0.06	7.73e-05	-5.59e-05	0.0
281	51	2.94e-04	7.85e-04	-0.05	5.87e-05	-4.43e-05	0.0
281	52	2.70e-04	8.05e-04	-0.06	7.28e-05	-4.87e-05	0.0
281	53	-1.07e-04	-1.54e-05	-0.05	5.38e-05	-4.87e-05	0.0
281	54	-1.31e-04	5.19e-06	-0.06	6.79e-05	-5.31e-05	0.0
281	61	-9.63e-03	3.65e-03	-0.06	1.01e-04	-2.03e-04	0.0
281	81	-6.77e-03	6.21e-03	-0.06	1.23e-04	-1.57e-04	0.0
281	85	-5.99e-03	6.86e-03	-0.06	1.27e-04	-1.45e-04	0.0
281	93	-4.35e-03	1.73e-03	-0.06	8.38e-05	-1.19e-04	0.0
281	113	-3.13e-03	2.96e-03	-0.06	9.42e-05	-1.00e-04	0.0
281	117	-2.81e-03	3.26e-03	-0.06	9.62e-05	-9.48e-05	0.0
282	22	9.17e-03	5.00e-03	-0.06	-1.95e-05	-2.32e-05	0.0
282	26	5.52e-03	3.00e-03	-0.09	1.64e-05	-7.08e-05	0.0
282	41	6.11e-03	3.31e-03	-0.06	0.0	-3.94e-05	0.0
282	45	3.68e-03	1.99e-03	-0.07	1.52e-05	-5.37e-05	0.0
282	52	1.22e-03	6.18e-04	-0.05	2.67e-05	-6.17e-05	0.0
282	53	-1.41e-05	-6.37e-05	-0.05	3.54e-05	-6.52e-05	0.0
282	54	-4.02e-06	-4.94e-05	-0.05	3.49e-05	-6.87e-05	0.0
282	66	-7.16e-03	2.71e-03	-0.04	9.08e-05	-1.18e-04	0.0
282	67	7.03e-03	-2.59e-03	-0.06	-2.51e-05	-1.71e-05	0.0
282	84	-3.09e-03	-6.45e-03	-0.05	8.31e-05	3.71e-06	0.0
282	98	-3.14e-03	1.21e-03	-0.05	6.08e-05	-8.99e-05	0.0
282	99	3.09e-03	-1.19e-03	-0.05	7.05e-06	-4.64e-05	0.0
282	116	-1.42e-03	-3.06e-03	-0.05	5.82e-05	-3.72e-05	0.0
283	19	2.77e-03	1.06e-03	-0.05	2.18e-05	1.76e-05	0.0
283	26	1.47e-03	5.58e-04	-0.09	5.36e-05	3.08e-05	0.0
283	38	1.80e-03	6.63e-04	-0.05	2.21e-05	1.95e-05	0.0
283	45	9.61e-04	3.54e-04	-0.06	3.84e-05	2.33e-05	0.0
283	47	-1.82e-04	-1.34e-04	-0.05	3.43e-05	2.17e-05	0.0
283	51	2.49e-04	2.82e-05	-0.05	2.20e-05	2.20e-05	0.0
283	54	-1.64e-04	-1.32e-04	-0.05	2.94e-05	2.20e-05	0.0
283	59	6.82e-03	5.43e-03	-0.06	6.20e-05	2.32e-05	0.0
283	61	-9.65e-03	-2.91e-03	-0.04	9.07e-06	1.69e-05	0.0
283	66	-4.60e-03	-6.67e-03	-0.04	3.51e-06	1.89e-05	0.0
283	91	2.90e-03	2.33e-03	-0.05	4.40e-05	2.26e-05	0.0
283	93	-4.38e-03	-1.34e-03	-0.04	2.05e-05	1.96e-05	0.0
283	98	-2.19e-03	-3.03e-03	-0.04	1.75e-05	2.06e-05	0.0
284	22	9.06e-03	2.07e-03	-0.05	4.77e-05	-4.31e-05	0.0
284	24	5.42e-03	1.19e-03	-0.08	5.92e-05	-3.93e-05	0.0
284	41	6.04e-03	1.35e-03	-0.05	4.52e-05	-3.62e-05	0.0
284	43	3.61e-03	7.81e-04	-0.06	4.35e-05	-2.68e-05	0.0
284	51	1.19e-03	1.88e-04	-0.04	3.74e-05	-2.04e-05	0.0
284	52	1.20e-03	1.89e-04	-0.04	3.80e-05	-2.17e-05	0.0
284	53	-1.72e-05	-1.02e-04	-0.04	3.73e-05	-1.72e-05	0.0
284	55	6.33e-03	4.84e-03	-0.05	4.80e-05	-2.99e-05	0.0
284	66	-7.11e-03	-6.13e-03	-0.03	2.74e-05	-4.93e-06	0.0
284	78	-6.82e-03	-6.13e-03	-0.03	5.43e-05	-3.24e-05	0.0
284	87	2.77e-03	2.08e-03	-0.05	4.22e-05	-2.35e-05	0.0
284	98	-3.11e-03	-2.79e-03	-0.04	3.34e-05	-1.27e-05	0.0
284	118	-2.86e-03	-2.80e-03	-0.04	4.53e-05	-8.42e-06	0.0
285	19	5.65e-03	5.95e-03	-0.04	-1.31e-06	5.22e-05	0.0
285	22	5.62e-03	6.03e-03	-0.05	1.18e-05	4.67e-05	0.0
285	26	3.33e-03	3.65e-03	-0.09	-1.92e-05	-1.23e-05	0.0
285	38	3.75e-03	3.96e-03	-0.05	-1.53e-05	1.64e-05	0.0
285	41	3.73e-03	4.01e-03	-0.05	-6.56e-06	1.27e-05	0.0
285	45	2.21e-03	2.43e-03	-0.07	-1.59e-05	-1.48e-05	0.0
285	47	-6.23e-05	0.0	-0.05	-2.88e-05	-5.65e-05	0.0
285	51	7.13e-04	7.63e-04	-0.05	-3.32e-05	-3.96e-05	0.0
285	52	7.04e-04	7.84e-04	-0.05	-2.79e-05	-4.13e-05	0.0
285	53	-4.66e-05	-3.60e-05	-0.05	-3.77e-05	-5.36e-05	0.0
285	54	-5.60e-05	-1.48e-05	-0.05	-3.23e-05	-5.53e-05	0.0
285	58	-7.78e-03	5.80e-04	-0.06	-5.38e-05	-2.12e-04	0.0
285	70	-6.31e-03	2.41e-03	-0.06	-6.63e-05	-2.00e-04	0.0
285	84	-2.12e-03	-6.87e-03	-0.06	-5.44e-05	-1.07e-04	0.0
285	90	-3.45e-03	2.59e-04	-0.06	-4.22e-05	-1.24e-04	0.0
285	116	-9.75e-04	-3.27e-03	-0.05	-4.30e-05	-7.86e-05	0.0
285	118	-2.35e-03	-2.12e-03	-0.06	-4.98e-05	-1.10e-04	0.0
286	19	5.57e-03	1.08e-03	-0.05	-2.03e-05	1.67e-05	0.0
286	26	3.25e-03	5.76e-04	-0.08	-1.17e-05	2.87e-05	0.0
286	38	3.69e-03	6.80e-04	-0.05	-1.79e-05	1.82e-05	0.0
286	45	2.16e-03	3.67e-04	-0.06	-9.06e-06	2.26e-05	0.0
286	47	-9.51e-05	-1.27e-04	-0.04	-5.26e-06	2.12e-05	0.0

286	51	6.79e-04	3.76e-05	-0.04	-1.33e-05	2.17e-05	0.0
286	52	6.66e-04	3.54e-05	-0.04	-9.16e-06	2.09e-05	0.0
286	54	-8.68e-05	-1.25e-04	-0.04	-8.01e-06	2.18e-05	0.0
286	56	5.30e-03	2.53e-03	-0.05	-1.58e-05	1.07e-05	0.0
286	58	-7.78e-03	-5.76e-03	-0.04	-7.64e-06	2.40e-05	0.0
286	66	-6.38e-03	-6.64e-03	-0.04	-2.52e-06	3.04e-05	0.0
286	88	2.29e-03	1.05e-03	-0.05	-1.16e-05	1.69e-05	0.0
286	90	-3.47e-03	-2.60e-03	-0.04	-7.87e-06	2.28e-05	0.0
286	98	-2.87e-03	-3.01e-03	-0.04	-5.60e-06	2.56e-05	0.0
287	18	-8.36e-04	9.36e-04	-0.08	9.79e-06	8.55e-06	0.0
287	22	-7.70e-04	9.71e-04	-0.06	4.88e-06	5.49e-06	0.0
287	26	-6.42e-04	5.18e-04	-0.09	9.99e-06	1.59e-05	0.0
287	41	-5.83e-04	6.06e-04	-0.06	9.02e-06	5.43e-06	0.0
287	45	-4.54e-04	3.28e-04	-0.07	9.15e-06	1.03e-05	0.0
287	46	-2.05e-04	-1.26e-04	-0.05	1.77e-05	3.23e-06	0.0
287	47	-2.58e-04	-1.26e-04	-0.05	1.68e-05	3.74e-06	0.0
287	52	-2.97e-04	2.02e-05	-0.05	1.58e-05	3.61e-06	0.0
287	53	-2.05e-04	-1.26e-04	-0.05	1.77e-05	3.23e-06	0.0
287	54	-2.37e-04	-1.26e-04	-0.05	1.72e-05	3.54e-06	0.0
287	59	8.56e-03	5.52e-03	-0.07	2.77e-05	-1.97e-05	0.0
287	61	-0.01	-2.95e-03	-0.04	-5.21e-06	1.79e-05	0.0
287	66	-5.73e-03	-6.76e-03	-0.04	7.66e-06	2.66e-05	0.0
287	91	3.62e-03	2.37e-03	-0.06	2.17e-05	-6.76e-06	0.0
287	93	-5.85e-03	-1.36e-03	-0.05	6.91e-06	9.83e-06	0.0
287	98	-2.78e-03	-3.07e-03	-0.05	1.26e-05	1.38e-05	0.0
288	18	8.07e-04	6.15e-03	-0.10	1.14e-04	-6.76e-05	0.0
288	19	1.01e-03	6.05e-03	-0.06	6.58e-05	-3.57e-05	0.0
288	26	3.42e-04	3.75e-03	-0.12	1.05e-04	-7.05e-05	0.0
288	38	6.08e-04	4.04e-03	-0.06	6.71e-05	-4.02e-05	0.0
288	41	5.17e-04	4.10e-03	-0.07	8.53e-05	-5.13e-05	0.0
288	45	2.07e-04	2.49e-03	-0.09	7.93e-05	-5.32e-05	0.0
288	47	-2.40e-04	4.04e-05	-0.07	8.19e-05	-5.64e-05	0.0
288	52	-5.81e-05	8.33e-04	-0.07	7.66e-05	-5.16e-05	0.0
288	54	-2.15e-04	2.51e-05	-0.06	7.72e-05	-5.32e-05	0.0
288	61	-0.01	3.67e-03	-0.08	1.19e-04	-2.52e-04	0.0
288	85	-7.30e-03	6.89e-03	-0.07	5.79e-05	-1.80e-04	0.0
288	93	-5.15e-03	1.75e-03	-0.07	9.54e-05	-1.42e-04	0.0
288	113	-3.88e-03	2.99e-03	-0.07	7.00e-05	-1.19e-04	0.0
288	117	-3.49e-03	3.29e-03	-0.07	6.83e-05	-1.12e-04	0.0
289	19	9.69e-04	1.06e-03	-0.05	1.78e-05	7.97e-06	0.0
289	26	3.37e-04	5.56e-04	-0.09	3.13e-05	1.80e-05	0.0
289	38	5.84e-04	6.62e-04	-0.05	1.85e-05	1.02e-05	0.0
289	45	2.03e-04	3.52e-04	-0.07	2.34e-05	1.33e-05	0.0
289	47	-2.35e-04	-1.36e-04	-0.05	2.44e-05	1.15e-05	0.0
289	54	-2.14e-04	-1.35e-04	-0.05	2.26e-05	1.23e-05	0.0
289	59	7.70e-03	5.42e-03	-0.06	4.38e-05	-8.72e-06	0.0
289	61	-0.01	-2.90e-03	-0.04	-9.48e-06	2.38e-05	0.0
289	66	-5.12e-03	-6.67e-03	-0.04	9.35e-06	3.53e-05	0.0
289	91	3.26e-03	2.32e-03	-0.06	3.18e-05	2.95e-06	0.0
289	93	-5.12e-03	-1.34e-03	-0.04	8.20e-06	1.73e-05	0.0
289	98	-2.48e-03	-3.03e-03	-0.04	1.64e-05	2.25e-05	0.0
290	18	-1.54e-03	9.97e-04	-0.08	3.10e-05	9.57e-06	0.0
290	22	-1.48e-03	1.03e-03	-0.06	2.13e-05	7.42e-06	0.0
290	26	-1.05e-03	5.61e-04	-0.10	3.20e-05	1.75e-05	0.0
290	41	-1.06e-03	6.48e-04	-0.06	2.49e-05	5.38e-06	0.0
290	45	-7.30e-04	3.57e-04	-0.07	2.56e-05	1.06e-05	0.0
290	46	-2.06e-04	-1.20e-04	-0.05	3.21e-05	-1.23e-06	0.0
290	47	-2.49e-04	-1.17e-04	-0.05	3.32e-05	1.27e-06	0.0
290	52	-3.89e-04	3.41e-05	-0.05	3.10e-05	0.0	0.0
290	53	-2.06e-04	-1.20e-04	-0.05	3.21e-05	-1.23e-06	0.0
290	54	-2.32e-04	-1.19e-04	-0.05	3.27e-05	0.0	0.0
290	59	9.03e-03	5.51e-03	-0.07	3.79e-05	-9.85e-06	0.0
290	61	-0.01	-2.92e-03	-0.04	1.39e-05	1.68e-05	0.0
290	66	-6.05e-03	-6.74e-03	-0.04	2.27e-05	1.47e-05	0.0
290	91	3.82e-03	2.37e-03	-0.06	3.49e-05	-4.15e-06	0.0
290	93	-6.21e-03	-1.34e-03	-0.05	2.39e-05	7.65e-06	0.0
290	98	-2.94e-03	-3.06e-03	-0.05	2.80e-05	6.87e-06	0.0
291	18	1.79e-03	6.08e-03	-0.09	1.58e-04	-5.80e-05	0.0
291	19	1.95e-03	6.00e-03	-0.06	8.91e-05	-2.75e-05	0.0
291	26	9.64e-04	3.70e-03	-0.11	1.43e-04	-6.40e-05	0.0
291	38	1.25e-03	4.00e-03	-0.06	8.34e-05	-3.45e-05	0.0
291	41	1.18e-03	4.05e-03	-0.07	1.15e-04	-4.46e-05	0.0
291	45	6.25e-04	2.46e-03	-0.08	1.05e-04	-4.87e-05	0.0
291	47	-1.89e-04	2.60e-05	-0.06	9.22e-05	-5.45e-05	0.0
291	52	1.09e-04	8.14e-04	-0.06	8.63e-05	-4.91e-05	0.0
291	54	-1.69e-04	1.22e-05	-0.06	8.40e-05	-5.17e-05	0.0
291	61	-0.01	3.65e-03	-0.07	1.27e-04	-2.22e-04	0.0

291	81	-7.47e-03	6.22e-03	-0.07	1.26e-04	-1.73e-04	0.0
291	85	-6.59e-03	6.86e-03	-0.07	1.24e-04	-1.58e-04	0.0
291	93	-4.74e-03	1.73e-03	-0.06	1.04e-04	-1.27e-04	0.0
291	113	-3.49e-03	2.97e-03	-0.06	1.04e-04	-1.07e-04	0.0
291	117	-3.12e-03	3.26e-03	-0.06	1.03e-04	-1.01e-04	0.0
292	19	7.38e-03	1.07e-03	-0.05	3.20e-06	6.11e-06	0.0
292	24	4.40e-03	5.79e-04	-0.08	7.79e-06	2.45e-05	0.0
292	38	4.90e-03	6.73e-04	-0.05	4.28e-06	1.03e-05	0.0
292	43	2.93e-03	3.69e-04	-0.06	5.90e-06	2.01e-05	0.0
292	47	-4.69e-05	-1.25e-04	-0.04	8.68e-06	2.02e-05	0.0
292	51	9.46e-04	3.89e-05	-0.05	5.74e-06	1.93e-05	0.0
292	53	-4.31e-05	-1.20e-04	-0.04	6.11e-06	2.16e-05	0.0
292	54	-4.54e-05	-1.23e-04	-0.04	7.65e-06	2.07e-05	0.0
292	56	4.21e-03	2.54e-03	-0.05	1.69e-05	0.0	0.0
292	58	-6.93e-03	-5.76e-03	-0.04	5.98e-06	2.42e-05	0.0
292	66	-6.60e-03	-6.62e-03	-0.04	0.0	3.65e-05	0.0
292	88	1.83e-03	1.05e-03	-0.05	1.17e-05	1.19e-05	0.0
292	90	-3.07e-03	-2.60e-03	-0.04	6.91e-06	2.22e-05	0.0
292	98	-2.92e-03	-3.00e-03	-0.04	4.29e-06	2.76e-05	0.0
293	20	7.51e-03	5.99e-03	-0.05	-5.67e-05	6.39e-05	0.0
293	22	7.51e-03	6.06e-03	-0.05	-5.41e-05	5.89e-05	0.0
293	26	4.50e-03	3.66e-03	-0.09	-5.00e-05	-1.03e-05	0.0
293	39	5.00e-03	3.98e-03	-0.05	-4.60e-05	2.13e-05	0.0
293	41	5.00e-03	4.03e-03	-0.05	-4.42e-05	1.80e-05	0.0
293	45	2.99e-03	2.43e-03	-0.07	-3.45e-05	-1.43e-05	0.0
293	50	-2.88e-05	-2.53e-05	-0.06	-1.94e-05	-6.24e-05	0.0
293	51	9.78e-04	7.57e-04	-0.06	-2.50e-05	-4.51e-05	0.0
293	52	9.77e-04	7.78e-04	-0.06	-2.42e-05	-4.66e-05	0.0
293	53	-2.77e-05	-4.73e-05	-0.06	-1.99e-05	-6.14e-05	0.0
293	54	-2.88e-05	-2.65e-05	-0.06	-1.91e-05	-6.29e-05	0.0
293	58	-6.96e-03	5.62e-04	-0.06	2.49e-05	-2.30e-04	0.0
293	66	-6.66e-03	2.70e-03	-0.06	3.71e-05	-2.28e-04	0.0
293	84	-2.47e-03	-6.89e-03	-0.06	2.01e-05	-1.23e-04	0.0
293	90	-3.07e-03	2.45e-04	-0.06	0.0	-1.37e-04	0.0
293	102	-2.89e-03	1.08e-03	-0.06	7.67e-06	-1.35e-04	0.0
293	116	-1.12e-03	-3.29e-03	-0.06	0.0	-9.00e-05	0.0
294	19	1.85e-03	1.06e-03	-0.05	2.51e-05	1.36e-05	0.0
294	26	8.90e-04	5.59e-04	-0.09	5.15e-05	2.56e-05	0.0
294	38	1.18e-03	6.65e-04	-0.05	2.53e-05	1.59e-05	0.0
294	45	5.74e-04	3.54e-04	-0.07	3.74e-05	1.93e-05	0.0
294	47	-2.11e-04	-1.36e-04	-0.05	3.44e-05	1.80e-05	0.0
294	54	-1.91e-04	-1.34e-04	-0.05	3.06e-05	1.86e-05	0.0
294	59	7.26e-03	5.42e-03	-0.06	6.54e-05	6.73e-06	0.0
294	61	-0.01	-2.90e-03	-0.04	7.29e-06	2.35e-05	0.0
294	66	-4.85e-03	-6.67e-03	-0.04	6.19e-06	3.35e-05	0.0
294	91	3.08e-03	2.33e-03	-0.05	4.62e-05	1.33e-05	0.0
294	93	-4.75e-03	-1.34e-03	-0.04	2.04e-05	2.07e-05	0.0
294	98	-2.33e-03	-3.03e-03	-0.04	1.92e-05	2.53e-05	0.0
295	4	-3.95e-04	3.84e-03	-0.11	7.53e-05	-9.76e-05	0.0
295	18	-2.24e-04	6.24e-03	-0.11	6.28e-05	-8.43e-05	0.0
295	26	-3.18e-04	3.82e-03	-0.12	5.94e-05	-8.55e-05	0.0
295	34	-2.90e-04	2.56e-03	-0.08	5.91e-05	-7.20e-05	0.0
295	41	-1.76e-04	4.16e-03	-0.08	5.07e-05	-6.32e-05	0.0
295	45	-2.38e-04	2.54e-03	-0.09	4.84e-05	-6.40e-05	0.0
295	47	-3.05e-04	6.26e-05	-0.07	6.51e-05	-6.50e-05	0.0
295	52	-2.40e-04	8.60e-04	-0.07	6.06e-05	-5.96e-05	0.0
295	54	-2.74e-04	4.46e-05	-0.07	6.38e-05	-6.09e-05	0.0
295	61	-0.01	3.70e-03	-0.08	1.12e-04	-2.92e-04	0.0
295	85	-8.11e-03	6.95e-03	-0.08	3.12e-05	-2.11e-04	0.0
295	93	-5.59e-03	1.77e-03	-0.08	8.50e-05	-1.64e-04	0.0
295	117	-3.92e-03	3.32e-03	-0.07	4.88e-05	-1.30e-04	0.0
296	19	6.58e-03	5.97e-03	-0.04	-3.31e-05	6.67e-05	0.0
296	22	6.56e-03	6.05e-03	-0.05	-2.93e-05	6.47e-05	0.0
296	26	3.91e-03	3.66e-03	-0.09	-5.03e-05	-1.59e-06	0.0
296	38	4.38e-03	3.97e-03	-0.05	-3.79e-05	2.54e-05	0.0
296	41	4.36e-03	4.02e-03	-0.05	-3.53e-05	2.40e-05	0.0
296	45	2.60e-03	2.43e-03	-0.07	-3.70e-05	-7.94e-06	0.0
296	50	-4.09e-05	-1.95e-05	-0.06	-4.00e-05	-5.63e-05	0.0
296	51	8.47e-04	7.60e-04	-0.05	-4.05e-05	-3.95e-05	0.0
296	52	8.42e-04	7.81e-04	-0.05	-3.80e-05	-4.06e-05	0.0
296	53	-3.52e-05	-4.18e-05	-0.05	-4.12e-05	-5.57e-05	0.0
296	54	-4.08e-05	-2.06e-05	-0.05	-3.87e-05	-5.68e-05	0.0
296	58	-7.34e-03	5.72e-04	-0.06	-4.17e-05	-2.19e-04	0.0
296	70	-6.36e-03	2.41e-03	-0.06	-5.24e-05	-2.13e-04	0.0
296	84	-2.23e-03	-6.88e-03	-0.06	-1.44e-05	-1.15e-04	0.0
296	90	-3.25e-03	2.52e-04	-0.06	-4.00e-05	-1.28e-04	0.0
296	102	-2.83e-03	1.08e-03	-0.06	-4.46e-05	-1.26e-04	0.0

296	116	-1.02e-03	-3.28e-03	-0.06	-2.81e-05	-8.31e-05	0.0
297	4	-2.40e-04	4.90e-04	-0.08	1.44e-05	1.23e-05	0.0
297	19	1.31e-04	9.80e-04	-0.05	8.40e-06	6.67e-06	0.0
297	26	-1.78e-04	5.14e-04	-0.09	1.08e-05	1.88e-05	0.0
297	34	-1.84e-04	3.09e-04	-0.06	1.16e-05	8.91e-06	0.0
297	38	1.94e-05	6.10e-04	-0.05	1.02e-05	8.28e-06	0.0
297	45	-1.43e-04	3.25e-04	-0.07	9.21e-06	1.33e-05	0.0
297	47	-2.52e-04	-1.33e-04	-0.05	1.45e-05	8.98e-06	0.0
297	54	-2.30e-04	-1.32e-04	-0.05	1.44e-05	9.28e-06	0.0
297	59	8.12e-03	5.49e-03	-0.07	2.94e-05	-1.54e-05	0.0
297	61	-0.01	-2.95e-03	-0.04	-1.16e-05	2.39e-05	0.0
297	66	-5.42e-03	-6.74e-03	-0.04	3.61e-06	3.49e-05	0.0
297	91	3.43e-03	2.36e-03	-0.06	2.09e-05	-1.66e-06	0.0
297	93	-5.49e-03	-1.36e-03	-0.05	2.60e-06	1.57e-05	0.0
297	98	-2.63e-03	-3.06e-03	-0.05	9.25e-06	2.07e-05	0.0
298	19	6.49e-03	1.08e-03	-0.05	-1.54e-05	1.17e-05	0.0
298	26	3.83e-03	5.76e-04	-0.08	-9.50e-06	2.51e-05	0.0
298	38	4.31e-03	6.80e-04	-0.05	-1.34e-05	1.44e-05	0.0
298	45	2.55e-03	3.67e-04	-0.06	-7.24e-06	2.05e-05	0.0
298	47	-7.01e-05	-1.25e-04	-0.04	-4.28e-06	2.08e-05	0.0
298	51	8.15e-04	3.93e-05	-0.05	-9.58e-06	2.07e-05	0.0
298	52	8.08e-04	3.67e-05	-0.05	-6.98e-06	1.98e-05	0.0
298	54	-6.52e-05	-1.24e-04	-0.04	-6.02e-06	2.14e-05	0.0
298	56	4.75e-03	2.53e-03	-0.05	-9.07e-06	5.63e-06	0.0
298	58	-7.32e-03	-5.75e-03	-0.04	3.25e-06	2.39e-05	0.0
298	66	-6.44e-03	-6.62e-03	-0.04	7.30e-06	3.37e-05	0.0
298	88	2.06e-03	1.05e-03	-0.05	-7.37e-06	1.46e-05	0.0
298	90	-3.25e-03	-2.60e-03	-0.04	-1.82e-06	2.25e-05	0.0
298	98	-2.87e-03	-3.01e-03	-0.04	0.0	2.67e-05	0.0
299	22	8.37e-03	6.01e-03	-0.05	-6.85e-05	2.63e-05	0.0
299	26	5.02e-03	3.62e-03	-0.10	-4.15e-05	-4.32e-05	0.0
299	41	5.57e-03	3.99e-03	-0.06	-4.55e-05	-8.59e-06	0.0
299	45	3.34e-03	2.41e-03	-0.07	-2.62e-05	-3.70e-05	0.0
299	50	-1.70e-05	-3.21e-05	-0.06	3.73e-06	-7.64e-05	0.0
299	52	1.10e-03	7.65e-04	-0.06	-7.10e-06	-6.22e-05	0.0
299	53	-2.15e-05	-5.32e-05	-0.06	3.51e-06	-7.37e-05	0.0
299	54	-1.73e-05	-3.32e-05	-0.06	2.83e-06	-7.65e-05	0.0
299	66	-6.90e-03	2.69e-03	-0.06	8.68e-05	-1.66e-04	0.0
299	77	3.15e-03	5.80e-03	-0.06	-4.18e-05	-2.08e-04	0.0
299	84	-2.76e-03	-6.87e-03	-0.05	6.36e-05	-1.28e-04	0.0
299	98	-3.03e-03	1.22e-03	-0.06	4.14e-05	-1.16e-04	0.0
299	109	1.37e-03	2.70e-03	-0.06	-1.83e-05	-1.34e-04	0.0
299	116	-1.26e-03	-3.28e-03	-0.05	3.21e-05	-9.93e-05	0.0
300	19	8.22e-03	1.06e-03	-0.05	2.50e-05	1.67e-06	0.0
300	22	8.23e-03	1.04e-03	-0.05	3.36e-05	6.71e-06	0.0
300	24	4.92e-03	5.72e-04	-0.08	3.90e-05	1.97e-05	0.0
300	38	5.47e-03	6.65e-04	-0.05	2.52e-05	6.60e-06	0.0
300	41	5.48e-03	6.56e-04	-0.05	3.10e-05	9.96e-06	0.0
300	43	3.28e-03	3.65e-04	-0.06	2.87e-05	1.67e-05	0.0
300	47	-2.52e-05	-1.24e-04	-0.04	2.57e-05	1.83e-05	0.0
300	51	1.07e-03	3.80e-05	-0.04	2.44e-05	1.69e-05	0.0
300	52	1.07e-03	3.45e-05	-0.04	2.53e-05	1.62e-05	0.0
300	53	-3.00e-05	-1.19e-04	-0.04	2.42e-05	1.94e-05	0.0
300	54	-2.71e-05	-1.22e-04	-0.04	2.51e-05	1.87e-05	0.0
300	55	6.55e-03	5.52e-03	-0.05	2.85e-05	1.53e-05	0.0
300	66	-6.83e-03	-6.62e-03	-0.04	1.71e-05	3.52e-05	0.0
300	87	2.86e-03	2.35e-03	-0.05	2.66e-05	1.73e-05	0.0
300	98	-3.00e-03	-3.00e-03	-0.04	2.17e-05	2.59e-05	0.0
301	18	-2.16e-03	2.03e-03	-0.08	2.60e-05	-8.82e-05	0.0
301	20	-2.02e-03	2.10e-03	-0.06	1.84e-05	-5.35e-05	0.0
301	26	-1.42e-03	1.17e-03	-0.10	2.82e-05	-7.96e-05	0.0
301	39	-1.42e-03	1.36e-03	-0.06	2.56e-05	-5.56e-05	0.0
301	41	-1.47e-03	1.34e-03	-0.06	2.30e-05	-6.72e-05	0.0
301	45	-9.77e-04	7.62e-04	-0.07	2.44e-05	-6.15e-05	0.0
301	47	-2.53e-04	-1.32e-04	-0.06	3.87e-05	-6.89e-05	0.0
301	51	-4.54e-04	1.74e-04	-0.05	3.76e-05	-5.92e-05	0.0
301	52	-4.77e-04	1.68e-04	-0.06	3.65e-05	-6.42e-05	0.0
301	54	-2.38e-04	-1.28e-04	-0.06	3.95e-05	-6.56e-05	0.0
301	60	0.01	1.86e-03	-0.08	6.51e-05	-7.55e-05	0.0
301	61	-0.01	-2.11e-03	-0.04	1.38e-05	-5.57e-05	0.0
301	78	3.81e-03	-5.98e-03	-0.06	6.26e-05	-7.58e-05	0.0
301	92	6.05e-03	7.24e-04	-0.07	5.14e-05	-7.04e-05	0.0
301	93	-6.53e-03	-9.79e-04	-0.05	2.75e-05	-6.09e-05	0.0
301	118	2.08e-03	-2.75e-03	-0.06	5.32e-05	-7.20e-05	0.0
302	18	-2.37e-03	2.78e-03	-0.09	6.53e-06	-1.30e-04	0.0
302	19	-2.19e-03	2.89e-03	-0.06	7.89e-06	-6.87e-05	0.0
302	26	-1.56e-03	1.59e-03	-0.11	1.06e-05	-1.25e-04	0.0

302	38	-1.54e-03	1.88e-03	-0.06	1.79e-05	-7.57e-05	0.0
302	41	-1.61e-03	1.84e-03	-0.07	1.02e-05	-9.86e-05	0.0
302	45	-1.07e-03	1.05e-03	-0.08	1.30e-05	-9.55e-05	0.0
302	47	-2.79e-04	-1.60e-04	-0.06	3.46e-05	-1.04e-04	0.0
302	51	-4.94e-04	2.71e-04	-0.06	3.54e-05	-8.69e-05	0.0
302	52	-5.22e-04	2.54e-04	-0.06	3.23e-05	-9.54e-05	0.0
302	54	-2.60e-04	-1.48e-04	-0.06	3.67e-05	-9.82e-05	0.0
302	60	0.01	-4.04e-03	-0.08	7.75e-05	-3.70e-05	0.0
302	61	-0.01	3.75e-03	-0.04	-4.16e-06	-1.59e-04	0.0
302	84	9.63e-03	-5.66e-03	-0.08	7.50e-05	-1.25e-04	0.0
302	92	6.07e-03	-1.90e-03	-0.07	5.54e-05	-7.14e-05	0.0
302	93	-6.59e-03	1.60e-03	-0.05	1.80e-05	-1.25e-04	0.0
302	116	4.35e-03	-2.69e-03	-0.07	5.50e-05	-1.11e-04	0.0
303	19	9.05e-03	1.10e-03	-0.05	4.04e-05	-5.76e-06	0.0
303	22	9.08e-03	1.09e-03	-0.05	5.11e-05	-1.81e-06	0.0
303	24	5.43e-03	6.03e-04	-0.08	6.25e-05	1.00e-05	0.0
303	38	6.03e-03	6.98e-04	-0.05	4.07e-05	0.0	0.0
303	41	6.05e-03	6.90e-04	-0.05	4.78e-05	2.47e-06	0.0
303	43	3.62e-03	3.85e-04	-0.06	4.60e-05	9.59e-06	0.0
303	47	-4.01e-06	-1.23e-04	-0.04	3.93e-05	1.31e-05	0.0
303	51	1.19e-03	4.59e-05	-0.04	3.90e-05	1.13e-05	0.0
303	52	1.20e-03	4.24e-05	-0.04	3.94e-05	1.06e-05	0.0
303	53	-1.75e-05	-1.17e-04	-0.04	3.85e-05	1.41e-05	0.0
303	54	-9.39e-06	-1.21e-04	-0.04	3.90e-05	1.35e-05	0.0
303	59	6.18e-03	5.38e-03	-0.05	4.80e-05	7.59e-06	0.0
303	66	-7.12e-03	-6.59e-03	-0.03	3.14e-05	2.94e-05	0.0
303	91	2.73e-03	2.32e-03	-0.05	4.29e-05	1.10e-05	0.0
303	98	-3.12e-03	-2.99e-03	-0.04	3.58e-05	2.03e-05	0.0
304	22	9.20e-03	5.97e-03	-0.06	-9.16e-05	-2.88e-05	0.0
304	26	5.54e-03	3.60e-03	-0.10	-5.19e-05	-9.71e-05	0.0
304	41	6.13e-03	3.97e-03	-0.06	-5.84e-05	-5.32e-05	0.0
304	45	3.69e-03	2.39e-03	-0.07	-3.21e-05	-7.43e-05	0.0
304	50	-2.30e-06	-3.81e-05	-0.06	1.02e-05	-9.85e-05	0.0
304	52	1.22e-03	7.56e-04	-0.06	-4.77e-06	-8.73e-05	0.0
304	53	-1.37e-05	-5.81e-05	-0.06	1.11e-05	-9.33e-05	0.0
304	54	-2.95e-06	-3.90e-05	-0.06	8.73e-06	-9.78e-05	0.0
304	66	-7.18e-03	2.69e-03	-0.06	1.16e-04	-1.75e-04	0.0
304	77	3.51e-03	5.78e-03	-0.06	-4.95e-05	-2.24e-04	0.0
304	84	-3.11e-03	-6.86e-03	-0.05	8.93e-05	1.31e-05	0.0
304	98	-3.14e-03	1.21e-03	-0.06	5.81e-05	-1.31e-04	0.0
304	116	-1.42e-03	-3.27e-03	-0.05	4.76e-05	-4.96e-05	0.0
304	117	1.42e-03	3.20e-03	-0.06	-3.01e-05	-1.46e-04	0.0
305	18	-1.32e-03	6.38e-03	-0.11	2.42e-05	-9.70e-05	0.0
305	26	-1.03e-03	3.92e-03	-0.13	2.76e-05	-9.84e-05	0.0
305	41	-9.09e-04	4.26e-03	-0.08	2.46e-05	-7.27e-05	0.0
305	45	-7.15e-04	2.61e-03	-0.09	2.69e-05	-7.36e-05	0.0
305	47	-3.85e-04	9.30e-05	-0.08	5.48e-05	-7.52e-05	0.0
305	52	-4.40e-04	8.99e-04	-0.07	4.98e-05	-6.84e-05	0.0
305	54	-3.45e-04	7.15e-05	-0.07	5.56e-05	-7.01e-05	0.0
305	61	-0.01	3.76e-03	-0.09	1.07e-04	-2.61e-04	0.0
305	85	-8.99e-03	7.05e-03	-0.09	5.05e-06	1.07e-05	0.0
305	93	-6.06e-03	1.82e-03	-0.08	7.76e-05	-1.54e-04	0.0
305	117	-4.38e-03	3.39e-03	-0.08	3.19e-05	-3.24e-05	0.0
306	18	-2.21e-03	1.18e-03	-0.08	6.42e-05	1.36e-05	0.0
306	22	-2.16e-03	1.21e-03	-0.06	4.77e-05	1.21e-05	0.0
306	26	-1.43e-03	6.76e-04	-0.10	6.58e-05	2.18e-05	0.0
306	41	-1.50e-03	7.72e-04	-0.06	4.96e-05	7.39e-06	0.0
306	45	-9.80e-04	4.34e-04	-0.07	5.06e-05	1.29e-05	0.0
306	46	-1.96e-04	-1.14e-04	-0.05	5.27e-05	-5.06e-06	0.0
306	47	-2.23e-04	-1.10e-04	-0.06	5.72e-05	0.0	0.0
306	52	-4.65e-04	6.43e-05	-0.06	5.34e-05	-1.16e-06	0.0
306	53	-1.96e-04	-1.14e-04	-0.05	5.27e-05	-5.06e-06	0.0
306	54	-2.12e-04	-1.12e-04	-0.05	5.54e-05	-2.20e-06	0.0
306	60	0.01	2.57e-03	-0.07	7.80e-05	-1.85e-05	0.0
306	61	-0.01	-2.80e-03	-0.04	3.27e-05	1.41e-05	0.0
306	66	-0.01	-6.62e-03	-0.05	3.79e-05	3.41e-06	0.0
306	92	6.17e-03	1.05e-03	-0.06	6.59e-05	-9.63e-06	0.0
306	93	-6.59e-03	-1.28e-03	-0.05	4.48e-05	5.23e-06	0.0
306	98	-4.90e-03	-3.00e-03	-0.05	4.74e-05	0.0	0.0
307	19	3.70e-03	1.96e-03	-0.05	1.11e-05	-5.57e-06	0.0
307	21	3.63e-03	1.96e-03	-0.05	3.87e-05	-1.59e-05	0.0
307	26	2.07e-03	1.12e-03	-0.08	4.01e-05	-1.43e-05	0.0
307	38	2.43e-03	1.27e-03	-0.05	1.13e-05	-4.86e-06	0.0
307	40	2.38e-03	1.27e-03	-0.05	2.98e-05	-1.18e-05	0.0
307	45	1.36e-03	7.28e-04	-0.06	2.85e-05	-9.44e-06	0.0
307	47	-1.47e-04	-1.16e-04	-0.04	2.54e-05	-7.21e-06	0.0
307	51	3.97e-04	1.61e-04	-0.04	1.21e-05	-2.80e-06	0.0

307	52	3.76e-04	1.61e-04	-0.04	2.00e-05	-5.75e-06	0.0
307	53	-1.11e-04	-1.16e-04	-0.04	1.23e-05	-2.28e-06	0.0
307	54	-1.33e-04	-1.16e-04	-0.04	2.02e-05	-5.24e-06	0.0
307	59	6.37e-03	4.85e-03	-0.05	5.13e-05	-3.75e-06	0.0
307	61	-8.94e-03	-2.35e-03	-0.04	4.54e-06	-8.84e-06	0.0
307	78	2.02e-03	-6.19e-03	-0.04	-1.32e-05	-1.57e-06	0.0
307	91	2.72e-03	2.09e-03	-0.05	3.40e-05	-4.59e-06	0.0
307	93	-4.03e-03	-1.08e-03	-0.04	1.34e-05	-6.91e-06	0.0
307	102	-2.04e-03	-2.82e-03	-0.04	5.82e-06	-3.51e-06	0.0
308	19	3.80e-03	4.98e-03	-0.05	5.02e-05	0.0	0.0
308	22	3.73e-03	5.03e-03	-0.06	9.20e-05	-9.68e-06	0.0
308	26	2.16e-03	3.02e-03	-0.09	8.40e-05	-3.61e-05	0.0
308	38	2.50e-03	3.30e-03	-0.05	4.06e-05	-1.23e-05	0.0
308	41	2.46e-03	3.34e-03	-0.05	6.84e-05	-1.93e-05	0.0
308	45	1.43e-03	2.01e-03	-0.07	5.95e-05	-2.85e-05	0.0
308	47	-1.19e-04	-3.00e-05	-0.05	4.25e-05	-4.16e-05	0.0
308	51	4.30e-04	6.19e-04	-0.05	2.62e-05	-3.21e-05	0.0
308	52	4.11e-04	6.32e-04	-0.05	3.81e-05	-3.48e-05	0.0
308	53	-8.82e-05	-5.24e-05	-0.05	2.26e-05	-3.71e-05	0.0
308	54	-1.07e-04	-3.89e-05	-0.05	3.45e-05	-3.98e-05	0.0
308	59	8.70e-03	-6.46e-04	-0.05	2.89e-05	5.53e-05	0.0
308	62	-8.91e-03	5.68e-04	-0.05	4.01e-05	-1.35e-04	0.0
308	84	-2.32e-03	-6.43e-03	-0.05	-1.82e-05	-6.37e-05	0.0
308	91	3.79e-03	-2.87e-04	-0.05	3.23e-05	2.20e-06	0.0
308	94	-4.01e-03	2.09e-04	-0.05	3.68e-05	-8.18e-05	0.0
308	116	-1.11e-03	-3.05e-03	-0.05	9.74e-06	-5.06e-05	0.0
309	19	4.64e-03	1.98e-03	-0.05	-1.16e-05	-3.41e-06	0.0
309	22	4.58e-03	1.98e-03	-0.05	6.02e-06	-9.56e-06	0.0
309	26	2.66e-03	1.13e-03	-0.08	5.92e-06	-1.02e-05	0.0
309	38	3.06e-03	1.28e-03	-0.05	-9.76e-06	-3.42e-06	0.0
309	41	3.02e-03	1.29e-03	-0.05	1.98e-06	-7.53e-06	0.0
309	45	1.76e-03	7.41e-04	-0.06	3.80e-06	-6.40e-06	0.0
309	51	5.41e-04	1.68e-04	-0.04	-5.67e-06	-1.95e-06	0.0
309	52	5.24e-04	1.68e-04	-0.04	0.0	-4.08e-06	0.0
309	53	-8.97e-05	-1.11e-04	-0.04	-4.65e-06	-1.59e-06	0.0
309	54	-1.07e-04	-1.11e-04	-0.04	1.43e-06	-3.72e-06	0.0
309	56	8.10e-03	2.08e-03	-0.05	-1.71e-05	-1.03e-05	0.0
309	57	-8.31e-03	-2.30e-03	-0.03	1.99e-05	2.82e-06	0.0
309	78	2.06e-03	-6.18e-03	-0.05	-1.72e-05	-9.40e-06	0.0
309	88	3.51e-03	8.54e-04	-0.05	-6.67e-06	-6.56e-06	0.0
309	89	-3.72e-03	-1.07e-03	-0.04	9.53e-06	0.0	0.0
309	102	-2.93e-03	-2.82e-03	-0.04	7.05e-06	-1.40e-06	0.0
310	19	4.71e-03	4.98e-03	-0.05	1.33e-05	1.89e-05	0.0
310	22	4.66e-03	5.03e-03	-0.05	3.81e-05	1.07e-05	0.0
310	26	2.73e-03	3.03e-03	-0.09	2.05e-05	-2.36e-05	0.0
310	38	3.12e-03	3.30e-03	-0.05	3.86e-06	0.0	0.0
310	41	3.08e-03	3.34e-03	-0.05	2.04e-05	-5.85e-06	0.0
310	45	1.81e-03	2.01e-03	-0.06	1.34e-05	-2.02e-05	0.0
310	47	-9.22e-05	-2.87e-05	-0.05	2.19e-06	-4.11e-05	0.0
310	51	5.69e-04	6.18e-04	-0.05	-8.35e-06	-3.00e-05	0.0
310	52	5.55e-04	6.33e-04	-0.05	0.0	-3.22e-05	0.0
310	53	-6.84e-05	-5.28e-05	-0.05	-1.14e-05	-3.75e-05	0.0
310	54	-8.27e-05	-3.83e-05	-0.05	-3.24e-06	-3.96e-05	0.0
310	57	-8.30e-03	3.46e-03	-0.05	2.03e-05	-1.05e-04	0.0
310	80	-1.60e-03	-5.87e-03	-0.05	-4.43e-05	-6.24e-05	0.0
310	84	-2.15e-03	-6.44e-03	-0.05	-4.81e-05	-6.66e-05	0.0
310	89	-3.70e-03	1.57e-03	-0.05	7.52e-06	-6.87e-05	0.0
310	112	-7.77e-04	-2.79e-03	-0.05	-2.26e-05	-4.99e-05	0.0
310	116	-1.01e-03	-3.05e-03	-0.05	-2.43e-05	-5.17e-05	0.0
311	19	1.04e-03	5.05e-03	-0.06	5.82e-05	-1.60e-05	0.0
311	22	9.27e-04	5.08e-03	-0.08	8.13e-05	-1.69e-05	0.0
311	26	3.94e-04	3.05e-03	-0.12	9.43e-05	-2.95e-05	0.0
311	38	6.34e-04	3.35e-03	-0.06	6.10e-05	-2.10e-05	0.0
311	41	5.59e-04	3.37e-03	-0.07	7.64e-05	-2.16e-05	0.0
311	45	2.42e-04	2.02e-03	-0.08	7.19e-05	-2.39e-05	0.0
311	47	-2.23e-04	-4.18e-05	-0.07	7.68e-05	-3.19e-05	0.0
311	52	-4.10e-05	6.33e-04	-0.06	7.17e-05	-2.96e-05	0.0
311	53	-1.72e-04	-5.80e-05	-0.06	6.69e-05	-3.11e-05	0.0
311	54	-2.02e-04	-4.83e-05	-0.06	7.29e-05	-3.16e-05	0.0
311	61	-0.01	3.58e-03	-0.07	9.22e-05	-1.59e-04	0.0
311	84	6.88e-03	-6.40e-03	-0.06	8.34e-05	-8.30e-05	0.0
311	85	-7.28e-03	6.30e-03	-0.07	6.23e-05	1.98e-05	0.0
311	93	-5.14e-03	1.64e-03	-0.06	8.13e-05	-8.74e-05	0.0
311	116	3.07e-03	-3.04e-03	-0.06	7.77e-05	-5.55e-05	0.0
311	117	-3.48e-03	2.95e-03	-0.07	6.80e-05	-7.70e-06	0.0
312	19	9.24e-04	1.97e-03	-0.05	2.62e-05	-4.50e-05	0.0
312	26	3.04e-04	1.09e-03	-0.10	4.30e-05	-8.09e-05	0.0

312	38	5.52e-04	1.27e-03	-0.05	2.75e-05	-4.23e-05	0.0
312	45	1.81e-04	7.10e-04	-0.07	3.27e-05	-5.83e-05	0.0
312	47	-2.40e-04	-1.38e-04	-0.05	3.51e-05	-4.99e-05	0.0
312	51	-3.73e-05	1.50e-04	-0.05	2.96e-05	-3.70e-05	0.0
312	54	-2.18e-04	-1.34e-04	-0.05	3.31e-05	-4.42e-05	0.0
312	59	7.73e-03	4.73e-03	-0.07	6.08e-05	-7.24e-05	0.0
312	61	-0.01	-2.30e-03	-0.04	-8.73e-06	-2.65e-05	0.0
312	78	2.51e-03	-6.12e-03	-0.04	4.60e-05	-2.25e-05	0.0
312	91	3.27e-03	2.03e-03	-0.06	4.52e-05	-5.67e-05	0.0
312	93	-5.15e-03	-1.07e-03	-0.05	1.43e-05	-3.65e-05	0.0
312	102	-2.40e-03	-2.80e-03	-0.04	2.56e-05	-3.27e-05	0.0
313	19	2.90e-03	4.96e-03	-0.05	7.84e-05	-1.23e-05	0.0
313	22	2.81e-03	5.00e-03	-0.06	1.33e-04	-2.29e-05	0.0
313	26	1.58e-03	3.01e-03	-0.10	1.36e-04	-4.30e-05	0.0
313	38	1.89e-03	3.29e-03	-0.05	7.08e-05	-2.08e-05	0.0
313	41	1.84e-03	3.32e-03	-0.06	1.07e-04	-2.78e-05	0.0
313	45	1.04e-03	1.99e-03	-0.07	9.77e-05	-3.32e-05	0.0
313	47	-1.51e-04	-3.45e-05	-0.05	7.93e-05	-4.13e-05	0.0
313	51	2.89e-04	6.15e-04	-0.05	5.83e-05	-3.36e-05	0.0
313	52	2.66e-04	6.27e-04	-0.05	7.28e-05	-3.63e-05	0.0
313	53	-1.12e-04	-5.44e-05	-0.05	5.51e-05	-3.67e-05	0.0
313	54	-1.35e-04	-4.24e-05	-0.05	6.96e-05	-3.95e-05	0.0
313	61	-9.62e-03	3.65e-03	-0.05	9.83e-05	-1.50e-04	0.0
313	83	-2.61e-03	3.89e-03	-0.06	1.00e-04	-6.86e-05	0.0
313	84	5.72e-03	-6.41e-03	-0.05	2.08e-05	2.84e-05	0.0
313	93	-4.35e-03	1.67e-03	-0.05	8.29e-05	-8.84e-05	0.0
313	115	-1.27e-03	1.84e-03	-0.05	8.43e-05	-5.29e-05	0.0
313	116	2.54e-03	-3.04e-03	-0.05	4.67e-05	-8.57e-06	0.0
314	21	8.34e-03	4.15e-03	-0.06	2.50e-05	1.07e-05	0.0
314	22	8.34e-03	4.15e-03	-0.06	3.33e-05	7.17e-06	0.0
314	26	5.00e-03	2.48e-03	-0.09	5.34e-05	-4.74e-05	0.0
314	40	5.55e-03	2.74e-03	-0.06	2.98e-05	-1.44e-05	0.0
314	41	5.55e-03	2.74e-03	-0.06	3.53e-05	-1.68e-05	0.0
314	45	3.33e-03	1.64e-03	-0.07	3.96e-05	-3.72e-05	0.0
314	52	1.09e-03	4.98e-04	-0.05	3.62e-05	-5.10e-05	0.0
314	53	-2.62e-05	-7.09e-05	-0.05	3.66e-05	-5.81e-05	0.0
314	54	-2.49e-05	-6.01e-05	-0.05	3.85e-05	-6.11e-05	0.0
314	59	6.49e-03	-1.10e-03	-0.06	4.26e-05	-2.61e-05	0.0
314	66	-6.89e-03	2.80e-03	-0.04	3.14e-05	-9.56e-05	0.0
314	84	-2.75e-03	-6.22e-03	-0.05	6.88e-05	-1.05e-05	0.0
314	91	2.85e-03	-4.92e-04	-0.05	4.01e-05	-4.57e-05	0.0
314	98	-3.03e-03	1.23e-03	-0.05	3.54e-05	-7.61e-05	0.0
314	116	-1.26e-03	-2.93e-03	-0.05	5.28e-05	-3.91e-05	0.0
315	19	7.50e-03	5.10e-03	-0.05	-4.63e-05	7.32e-05	0.0
315	22	7.50e-03	5.16e-03	-0.05	-3.94e-05	7.26e-05	0.0
315	26	4.48e-03	3.11e-03	-0.10	-3.43e-05	1.99e-05	0.0
315	38	4.99e-03	3.38e-03	-0.05	-3.68e-05	3.76e-05	0.0
315	41	4.99e-03	3.42e-03	-0.06	-3.22e-05	3.72e-05	0.0
315	45	2.98e-03	2.06e-03	-0.07	-2.35e-05	9.25e-06	0.0
315	50	-3.37e-05	-3.94e-05	-0.05	-1.21e-05	-3.29e-05	0.0
315	51	9.73e-04	6.31e-04	-0.05	-1.87e-05	-1.86e-05	0.0
315	52	9.71e-04	6.47e-04	-0.05	-1.66e-05	-1.97e-05	0.0
315	53	-3.15e-05	-5.67e-05	-0.05	-1.41e-05	-3.27e-05	0.0
315	54	-3.36e-05	-4.06e-05	-0.05	-1.20e-05	-3.38e-05	0.0
315	58	-6.98e-03	7.82e-04	-0.05	2.25e-05	-1.45e-04	0.0
315	80	-2.37e-03	-5.94e-03	-0.06	2.10e-05	-7.22e-05	0.0
315	84	-2.46e-03	-6.52e-03	-0.06	1.79e-05	-7.29e-05	0.0
315	90	-3.08e-03	3.23e-04	-0.05	3.45e-06	-8.26e-05	0.0
315	112	-1.08e-03	-2.83e-03	-0.06	3.69e-06	-5.12e-05	0.0
315	116	-1.13e-03	-3.10e-03	-0.06	2.21e-06	-5.15e-05	0.0
316	19	2.77e-03	1.97e-03	-0.05	2.96e-05	-1.56e-05	0.0
316	26	1.47e-03	1.11e-03	-0.09	6.59e-05	-3.14e-05	0.0
316	38	1.80e-03	1.27e-03	-0.05	2.90e-05	-1.39e-05	0.0
316	45	9.65e-04	7.25e-04	-0.06	4.74e-05	-2.19e-05	0.0
316	47	-1.78e-04	-1.22e-04	-0.05	4.17e-05	-1.71e-05	0.0
316	51	2.52e-04	1.58e-04	-0.04	2.78e-05	-1.02e-05	0.0
316	54	-1.61e-04	-1.21e-04	-0.05	3.60e-05	-1.40e-05	0.0
316	59	6.83e-03	4.82e-03	-0.06	7.92e-05	-2.18e-05	0.0
316	61	-9.67e-03	-2.34e-03	-0.04	8.62e-06	-1.23e-05	0.0
316	78	2.09e-03	-6.17e-03	-0.04	3.13e-06	-3.23e-06	0.0
316	91	2.91e-03	2.08e-03	-0.05	5.52e-05	-1.76e-05	0.0
316	93	-4.38e-03	-1.08e-03	-0.04	2.41e-05	-1.33e-05	0.0
316	102	-2.14e-03	-2.82e-03	-0.04	1.99e-05	-8.84e-06	0.0
317	22	8.22e-03	3.07e-03	-0.06	3.47e-05	-6.25e-05	0.0
317	26	4.93e-03	1.82e-03	-0.09	4.53e-05	-8.53e-05	0.0
317	41	5.47e-03	2.02e-03	-0.05	3.25e-05	-6.14e-05	0.0
317	45	3.28e-03	1.20e-03	-0.06	3.30e-05	-6.12e-05	0.0

317	52	1.07e-03	3.38e-04	-0.05	2.75e-05	-5.42e-05	0.0
317	53	-2.79e-05	-8.59e-05	-0.05	2.62e-05	-5.16e-05	0.0
317	54	-2.58e-05	-8.03e-05	-0.05	2.78e-05	-5.40e-05	0.0
317	56	3.77e-03	1.59e-03	-0.06	5.82e-05	-4.44e-05	0.0
317	66	-6.84e-03	-5.78e-03	-0.04	8.47e-06	-6.08e-05	0.0
317	86	-5.95e-03	-6.04e-03	-0.05	5.35e-05	-4.44e-05	0.0
317	88	1.65e-03	6.50e-04	-0.05	4.11e-05	-4.98e-05	0.0
317	98	-3.01e-03	-2.64e-03	-0.04	1.95e-05	-5.69e-05	0.0
317	118	-2.66e-03	-2.82e-03	-0.05	3.96e-05	-4.96e-05	0.0
318	19	7.38e-03	2.05e-03	-0.05	-5.90e-06	-3.60e-05	0.0
318	22	7.37e-03	2.06e-03	-0.05	1.19e-06	-4.25e-05	0.0
318	26	4.40e-03	1.19e-03	-0.09	5.27e-06	-4.55e-05	0.0
318	38	4.91e-03	1.34e-03	-0.05	-3.17e-06	-3.21e-05	0.0
318	41	4.90e-03	1.34e-03	-0.05	1.56e-06	-3.64e-05	0.0
318	45	2.93e-03	7.77e-04	-0.06	3.96e-06	-3.11e-05	0.0
318	51	9.48e-04	1.85e-04	-0.05	1.43e-06	-2.15e-05	0.0
318	52	9.46e-04	1.86e-04	-0.05	3.25e-06	-2.33e-05	0.0
318	53	-4.10e-05	-1.03e-04	-0.04	2.58e-06	-1.88e-05	0.0
318	54	-4.35e-05	-1.02e-04	-0.04	4.40e-06	-2.06e-05	0.0
318	56	4.23e-03	2.06e-03	-0.06	1.81e-05	-4.45e-05	0.0
318	58	-6.95e-03	-5.05e-03	-0.04	0.0	-1.06e-05	0.0
318	78	-6.00e-03	-6.15e-03	-0.05	1.62e-05	-3.73e-05	0.0
318	88	1.84e-03	8.48e-04	-0.05	1.05e-05	-3.10e-05	0.0
318	90	-3.08e-03	-2.28e-03	-0.04	2.72e-06	-1.62e-05	0.0
318	118	-2.50e-03	-2.81e-03	-0.05	9.85e-06	-2.53e-05	0.0
319	4	-3.27e-04	3.03e-03	-0.11	4.74e-05	-6.25e-05	0.0
319	22	-7.96e-05	5.07e-03	-0.08	2.53e-05	-4.03e-05	0.0
319	26	-2.59e-04	3.03e-03	-0.12	3.63e-05	-5.43e-05	0.0
319	34	-2.44e-04	2.01e-03	-0.08	3.91e-05	-4.71e-05	0.0
319	41	-1.29e-04	3.36e-03	-0.08	3.32e-05	-4.06e-05	0.0
319	45	-1.98e-04	2.01e-03	-0.09	3.17e-05	-4.16e-05	0.0
319	47	-2.83e-04	-4.61e-05	-0.07	5.02e-05	-4.65e-05	0.0
319	52	-2.19e-04	6.28e-04	-0.07	4.73e-05	-4.27e-05	0.0
319	53	-2.17e-04	-6.01e-05	-0.06	5.12e-05	-4.11e-05	0.0
319	54	-2.57e-04	-5.17e-05	-0.07	5.06e-05	-4.44e-05	0.0
319	61	-0.01	3.53e-03	-0.07	7.19e-05	-2.61e-04	0.0
319	84	7.60e-03	-6.34e-03	-0.06	8.25e-05	9.52e-05	0.0
319	85	-8.11e-03	6.24e-03	-0.07	1.87e-05	-1.84e-04	0.0
319	93	-5.60e-03	1.62e-03	-0.07	5.97e-05	-1.41e-04	0.0
319	116	3.39e-03	-3.02e-03	-0.06	6.56e-05	2.04e-05	0.0
319	117	-3.91e-03	2.92e-03	-0.07	3.56e-05	-1.09e-04	0.0
320	19	5.65e-03	5.01e-03	-0.05	-2.25e-05	4.05e-05	0.0
320	22	5.61e-03	5.06e-03	-0.05	-1.36e-05	3.54e-05	0.0
320	26	3.32e-03	3.05e-03	-0.09	-3.64e-05	-8.16e-06	0.0
320	38	3.75e-03	3.32e-03	-0.05	-2.96e-05	1.38e-05	0.0
320	41	3.73e-03	3.36e-03	-0.05	-2.37e-05	1.04e-05	0.0
320	45	2.21e-03	2.02e-03	-0.06	-2.74e-05	-9.97e-06	0.0
320	50	-6.30e-05	-3.75e-05	-0.05	-3.53e-05	-3.95e-05	0.0
320	51	7.08e-04	6.21e-04	-0.05	-3.63e-05	-2.77e-05	0.0
320	52	6.98e-04	6.37e-04	-0.05	-3.18e-05	-2.92e-05	0.0
320	53	-5.23e-05	-5.37e-05	-0.05	-3.80e-05	-3.80e-05	0.0
320	54	-6.25e-05	-3.85e-05	-0.05	-3.35e-05	-3.95e-05	0.0
320	58	-7.78e-03	8.00e-04	-0.05	-3.21e-05	-1.09e-04	0.0
320	84	-2.12e-03	-6.46e-03	-0.05	-5.77e-05	-7.46e-05	0.0
320	90	-3.46e-03	3.32e-04	-0.05	-3.29e-05	-7.00e-05	0.0
320	116	-9.81e-04	-3.07e-03	-0.05	-4.49e-05	-5.52e-05	0.0
321	19	5.58e-03	2.01e-03	-0.05	-2.81e-05	-9.89e-06	0.0
321	22	5.54e-03	2.01e-03	-0.05	-1.84e-05	-1.55e-05	0.0
321	26	3.26e-03	1.16e-03	-0.08	-1.96e-05	-1.78e-05	0.0
321	38	3.70e-03	1.30e-03	-0.05	-2.45e-05	-9.58e-06	0.0
321	41	3.67e-03	1.31e-03	-0.05	-1.81e-05	-1.33e-05	0.0
321	45	2.16e-03	7.56e-04	-0.06	-1.44e-05	-1.16e-05	0.0
321	51	6.83e-04	1.75e-04	-0.04	-1.72e-05	-6.68e-06	0.0
321	52	6.71e-04	1.76e-04	-0.04	-1.31e-05	-8.59e-06	0.0
321	53	-7.08e-05	-1.08e-04	-0.04	-1.53e-05	-5.96e-06	0.0
321	54	-8.31e-05	-1.06e-04	-0.04	-1.12e-05	-7.86e-06	0.0
321	56	5.31e-03	2.07e-03	-0.05	-2.77e-05	-2.00e-05	0.0
321	58	-7.78e-03	-5.09e-03	-0.04	-6.17e-06	-5.63e-06	0.0
321	78	-5.48e-03	-6.17e-03	-0.05	-2.50e-05	-2.00e-05	0.0
321	88	2.30e-03	8.52e-04	-0.05	-1.85e-05	-1.31e-05	0.0
321	90	-3.47e-03	-2.30e-03	-0.04	-9.06e-06	-6.90e-06	0.0
321	102	-2.85e-03	-2.82e-03	-0.04	-6.10e-06	-3.43e-06	0.0
322	18	-8.52e-04	1.69e-03	-0.08	8.03e-06	-8.03e-05	0.0
322	19	-6.48e-04	1.75e-03	-0.05	9.41e-06	-4.40e-05	0.0
322	26	-6.63e-04	9.55e-04	-0.10	7.83e-06	-7.09e-05	0.0
322	38	-5.06e-04	1.12e-03	-0.05	1.35e-05	-4.31e-05	0.0
322	41	-5.94e-04	1.11e-03	-0.06	8.68e-06	-5.91e-05	0.0

322	45	-4.68e-04	6.20e-04	-0.07	8.55e-06	-5.29e-05	0.0
322	47	-2.73e-04	-1.39e-04	-0.05	1.97e-05	-5.19e-05	0.0
322	52	-3.08e-04	1.15e-04	-0.05	1.91e-05	-4.81e-05	0.0
322	54	-2.50e-04	-1.35e-04	-0.05	2.09e-05	-4.78e-05	0.0
322	59	8.52e-03	4.82e-03	-0.07	2.71e-05	-7.70e-05	0.0
322	61	-0.01	-2.40e-03	-0.04	0.0	-2.70e-05	0.0
322	78	3.10e-03	-6.20e-03	-0.04	3.61e-05	-2.91e-05	0.0
322	91	3.59e-03	2.07e-03	-0.06	2.36e-05	-6.08e-05	0.0
322	93	-5.85e-03	-1.11e-03	-0.05	1.10e-05	-3.86e-05	0.0
322	98	-2.79e-03	-2.83e-03	-0.05	1.56e-05	-3.78e-05	0.0
323	19	1.95e-03	5.00e-03	-0.06	8.71e-05	-1.56e-05	0.0
323	22	1.85e-03	5.04e-03	-0.07	1.40e-04	-2.04e-05	0.0
323	26	9.77e-04	3.02e-03	-0.11	1.52e-04	-3.59e-05	0.0
323	38	1.25e-03	3.32e-03	-0.06	8.37e-05	-2.17e-05	0.0
323	41	1.19e-03	3.34e-03	-0.07	1.19e-04	-2.49e-05	0.0
323	45	6.34e-04	2.00e-03	-0.08	1.11e-04	-2.83e-05	0.0
323	47	-1.86e-04	-3.94e-05	-0.06	9.86e-05	-3.59e-05	0.0
323	52	1.11e-04	6.28e-04	-0.06	9.11e-05	-3.26e-05	0.0
323	53	-1.40e-04	-5.67e-05	-0.05	7.59e-05	-3.36e-05	0.0
323	54	-1.67e-04	-4.63e-05	-0.06	8.95e-05	-3.50e-05	0.0
323	61	-0.01	3.62e-03	-0.06	1.05e-04	-1.46e-04	0.0
323	83	-3.01e-03	3.90e-03	-0.06	1.06e-04	6.03e-05	0.0
323	84	6.25e-03	-6.41e-03	-0.05	6.43e-05	-7.80e-05	0.0
323	93	-4.73e-03	1.65e-03	-0.06	9.70e-05	-8.36e-05	0.0
323	115	-1.49e-03	1.84e-03	-0.06	9.76e-05	8.93e-06	0.0
323	116	2.78e-03	-3.04e-03	-0.06	7.75e-05	-5.49e-05	0.0
324	19	6.58e-03	5.05e-03	-0.05	-4.59e-05	6.34e-05	0.0
324	22	6.55e-03	5.11e-03	-0.05	-4.53e-05	6.22e-05	0.0
324	26	3.90e-03	3.08e-03	-0.09	-6.44e-05	1.17e-05	0.0
324	38	4.37e-03	3.35e-03	-0.05	-4.79e-05	3.02e-05	0.0
324	41	4.36e-03	3.39e-03	-0.05	-4.75e-05	2.94e-05	0.0
324	45	2.59e-03	2.04e-03	-0.07	-4.67e-05	3.55e-06	0.0
324	50	-4.87e-05	-3.73e-05	-0.05	-4.51e-05	-3.54e-05	0.0
324	51	8.41e-04	6.26e-04	-0.05	-4.59e-05	-2.20e-05	0.0
324	52	8.34e-04	6.42e-04	-0.05	-4.38e-05	-2.29e-05	0.0
324	53	-4.15e-05	-5.44e-05	-0.05	-4.54e-05	-3.50e-05	0.0
324	54	-4.83e-05	-3.84e-05	-0.05	-4.33e-05	-3.59e-05	0.0
324	58	-7.35e-03	7.93e-04	-0.05	-4.90e-05	-1.17e-04	0.0
324	84	-2.24e-03	-6.49e-03	-0.06	-1.45e-05	7.52e-05	0.0
324	90	-3.26e-03	3.29e-04	-0.05	-4.58e-05	-7.16e-05	0.0
324	116	-1.02e-03	-3.08e-03	-0.05	-3.03e-05	1.29e-05	0.0
325	19	6.51e-03	2.03e-03	-0.05	-2.68e-05	-2.38e-05	0.0
325	22	6.48e-03	2.04e-03	-0.05	-2.07e-05	-3.01e-05	0.0
325	26	3.85e-03	1.18e-03	-0.09	-2.02e-05	-3.33e-05	0.0
325	38	4.32e-03	1.32e-03	-0.05	-2.27e-05	-2.18e-05	0.0
325	41	4.30e-03	1.33e-03	-0.05	-1.87e-05	-2.60e-05	0.0
325	45	2.56e-03	7.68e-04	-0.06	-1.46e-05	-2.25e-05	0.0
325	51	8.20e-04	1.81e-04	-0.05	-1.48e-05	-1.50e-05	0.0
325	52	8.13e-04	1.82e-04	-0.05	-1.22e-05	-1.69e-05	0.0
325	53	-5.47e-05	-1.05e-04	-0.04	-1.28e-05	-1.33e-05	0.0
325	54	-6.21e-05	-1.03e-04	-0.04	-1.02e-05	-1.52e-05	0.0
325	56	4.76e-03	2.06e-03	-0.05	-1.84e-05	-4.27e-05	0.0
325	58	-7.33e-03	-5.07e-03	-0.04	4.59e-06	-4.51e-06	0.0
325	78	-5.69e-03	-6.16e-03	-0.05	4.87e-06	-3.54e-05	0.0
325	88	2.07e-03	8.50e-04	-0.05	-1.38e-05	-2.71e-05	0.0
325	90	-3.25e-03	-2.29e-03	-0.04	-3.58e-06	-1.05e-05	0.0
325	118	-2.40e-03	-2.81e-03	-0.05	-3.00e-06	-2.13e-05	0.0
326	4	-2.75e-04	9.47e-04	-0.08	2.13e-05	-9.16e-05	0.0
326	19	9.81e-05	1.78e-03	-0.05	1.38e-05	-4.35e-05	0.0
326	26	-2.11e-04	9.75e-04	-0.10	1.65e-05	-7.40e-05	0.0
326	34	-2.08e-04	6.14e-04	-0.06	1.74e-05	-6.59e-05	0.0
326	38	-4.86e-06	1.14e-03	-0.05	1.66e-05	-4.15e-05	0.0
326	45	-1.65e-04	6.33e-04	-0.07	1.43e-05	-5.42e-05	0.0
326	47	-2.62e-04	-1.41e-04	-0.05	2.22e-05	-4.93e-05	0.0
326	54	-2.38e-04	-1.37e-04	-0.05	2.25e-05	-4.44e-05	0.0
326	59	8.13e-03	4.82e-03	-0.07	3.96e-05	-7.66e-05	0.0
326	61	-0.01	-2.40e-03	-0.04	-8.93e-06	-2.23e-05	0.0
326	78	2.79e-03	-6.19e-03	-0.04	3.62e-05	-2.22e-05	0.0
326	91	3.43e-03	2.06e-03	-0.06	2.99e-05	-5.87e-05	0.0
326	93	-5.51e-03	-1.11e-03	-0.05	8.19e-06	-3.47e-05	0.0
326	98	-2.64e-03	-2.83e-03	-0.05	1.62e-05	-3.27e-05	0.0
327	19	1.83e-03	1.96e-03	-0.05	3.49e-05	-3.05e-05	0.0
327	26	8.77e-04	1.10e-03	-0.09	6.70e-05	-5.69e-05	0.0
327	38	1.16e-03	1.26e-03	-0.05	3.47e-05	-2.79e-05	0.0
327	45	5.65e-04	7.15e-04	-0.07	4.90e-05	-4.05e-05	0.0
327	47	-2.10e-04	-1.30e-04	-0.05	4.52e-05	-3.30e-05	0.0
327	51	1.04e-04	1.53e-04	-0.05	3.40e-05	-2.28e-05	0.0

327	54	-1.90e-04	-1.28e-04	-0.05	4.06e-05	-2.84e-05	0.0
327	59	7.29e-03	4.78e-03	-0.06	8.70e-05	-4.90e-05	0.0
327	61	-0.01	-2.33e-03	-0.04	8.72e-06	-1.76e-05	0.0
327	78	2.26e-03	-6.15e-03	-0.04	1.14e-05	-9.26e-06	0.0
327	91	3.09e-03	2.06e-03	-0.05	6.13e-05	-3.76e-05	0.0
327	93	-4.77e-03	-1.08e-03	-0.04	2.67e-05	-2.37e-05	0.0
327	102	-2.26e-03	-2.81e-03	-0.04	2.49e-05	-1.87e-05	0.0
328	18	-1.25e-03	5.01e-03	-0.10	1.32e-05	-7.88e-05	0.0
328	22	-1.15e-03	5.03e-03	-0.08	1.83e-06	-6.20e-05	0.0
328	26	-9.67e-04	3.01e-03	-0.12	1.48e-05	-8.02e-05	0.0
328	41	-8.62e-04	3.34e-03	-0.08	1.60e-05	-5.97e-05	0.0
328	45	-6.75e-04	2.00e-03	-0.09	1.71e-05	-6.06e-05	0.0
328	47	-3.64e-04	-4.65e-05	-0.07	4.24e-05	-6.48e-05	0.0
328	52	-4.18e-04	6.25e-04	-0.07	3.95e-05	-5.88e-05	0.0
328	53	-2.73e-04	-5.66e-05	-0.06	4.69e-05	-5.47e-05	0.0
328	54	-3.28e-04	-5.05e-05	-0.07	4.42e-05	-6.08e-05	0.0
328	61	-0.01	3.48e-03	-0.07	6.92e-05	-2.47e-04	0.0
328	84	8.34e-03	-6.24e-03	-0.07	8.68e-05	-1.40e-04	0.0
328	93	-6.06e-03	1.59e-03	-0.07	5.49e-05	-1.42e-04	0.0
328	116	3.71e-03	-2.97e-03	-0.07	6.44e-05	-9.78e-05	0.0
329	18	-1.84e-03	2.93e-03	-0.09	-4.34e-06	-1.43e-04	0.0
329	19	-1.58e-03	3.06e-03	-0.06	4.29e-06	-7.54e-05	0.0
329	26	-1.29e-03	1.67e-03	-0.11	-2.00e-06	-1.37e-04	0.0
329	38	-1.14e-03	1.99e-03	-0.06	1.33e-05	-8.03e-05	0.0
329	41	-1.25e-03	1.94e-03	-0.07	2.26e-06	-1.07e-04	0.0
329	45	-8.90e-04	1.10e-03	-0.08	3.82e-06	-1.03e-04	0.0
329	47	-3.33e-04	-1.72e-04	-0.06	2.62e-05	-1.06e-04	0.0
329	51	-4.33e-04	2.85e-04	-0.06	2.93e-05	-8.74e-05	0.0
329	52	-4.79e-04	2.66e-04	-0.06	2.50e-05	-9.73e-05	0.0
329	54	-3.02e-04	-1.59e-04	-0.06	2.90e-05	-9.90e-05	0.0
329	60	0.01	-4.00e-03	-0.08	6.24e-05	-3.41e-05	0.0
329	61	-0.01	3.68e-03	-0.04	-4.32e-06	-1.64e-04	0.0
329	84	8.89e-03	-5.68e-03	-0.07	8.54e-05	-1.25e-04	0.0
329	92	5.66e-03	-1.89e-03	-0.07	4.45e-05	-7.06e-05	0.0
329	93	-6.27e-03	1.57e-03	-0.05	1.36e-05	-1.28e-04	0.0
329	116	3.99e-03	-2.71e-03	-0.07	5.56e-05	-1.11e-04	0.0
330	22	8.21e-03	2.04e-03	-0.05	3.02e-05	-4.40e-05	0.0
330	24	4.91e-03	1.17e-03	-0.08	3.47e-05	-4.07e-05	0.0
330	41	5.47e-03	1.33e-03	-0.05	2.80e-05	-3.74e-05	0.0
330	43	3.27e-03	7.67e-04	-0.06	2.55e-05	-2.78e-05	0.0
330	51	1.07e-03	1.83e-04	-0.04	2.21e-05	-2.16e-05	0.0
330	52	1.07e-03	1.83e-04	-0.04	2.33e-05	-2.31e-05	0.0
330	53	-2.89e-05	-1.03e-04	-0.04	2.22e-05	-1.85e-05	0.0
330	56	3.74e-03	2.07e-03	-0.05	3.88e-05	-5.36e-05	0.0
330	66	-6.82e-03	-6.15e-03	-0.04	1.39e-05	0.0	0.0
330	78	-6.37e-03	-6.15e-03	-0.05	3.79e-05	-3.93e-05	0.0
330	88	1.63e-03	8.54e-04	-0.05	3.01e-05	-3.47e-05	0.0
330	98	-3.00e-03	-2.80e-03	-0.04	1.93e-05	-1.14e-05	0.0
330	118	-2.66e-03	-2.81e-03	-0.05	2.95e-05	-2.57e-05	0.0
331	22	8.35e-03	5.03e-03	-0.06	-1.18e-05	3.56e-05	0.0
331	26	5.01e-03	3.02e-03	-0.10	1.66e-05	-1.65e-05	0.0
331	41	5.56e-03	3.34e-03	-0.06	1.47e-06	7.22e-06	0.0
331	45	3.34e-03	2.01e-03	-0.07	1.43e-05	-1.60e-05	0.0
331	50	-2.01e-05	-4.52e-05	-0.05	3.01e-05	-4.82e-05	0.0
331	52	1.10e-03	6.26e-04	-0.05	2.17e-05	-3.68e-05	0.0
331	53	-2.32e-05	-6.09e-05	-0.05	2.70e-05	-4.61e-05	0.0
331	54	-2.03e-05	-4.62e-05	-0.05	2.83e-05	-4.85e-05	0.0
331	59	6.49e-03	-6.80e-04	-0.06	-2.19e-05	3.35e-05	0.0
331	66	-6.89e-03	2.72e-03	-0.05	8.73e-05	-1.24e-04	0.0
331	84	-2.75e-03	-6.47e-03	-0.05	7.05e-05	5.38e-05	0.0
331	91	2.85e-03	-3.05e-04	-0.06	5.38e-06	-1.25e-05	0.0
331	98	-3.02e-03	1.22e-03	-0.05	5.53e-05	-8.16e-05	0.0
331	116	-1.26e-03	-3.07e-03	-0.05	4.85e-05	-3.34e-06	0.0
332	18	-1.54e-03	1.75e-03	-0.08	1.44e-05	-7.77e-05	0.0
332	19	-1.35e-03	1.80e-03	-0.05	1.28e-05	-4.43e-05	0.0
332	26	-1.07e-03	9.94e-04	-0.10	1.54e-05	-6.84e-05	0.0
332	38	-9.76e-04	1.16e-03	-0.05	1.82e-05	-4.50e-05	0.0
332	41	-1.06e-03	1.15e-03	-0.06	1.39e-05	-5.83e-05	0.0
332	45	-7.40e-04	6.46e-04	-0.07	1.45e-05	-5.21e-05	0.0
332	47	-2.71e-04	-1.34e-04	-0.06	2.70e-05	-5.52e-05	0.0
332	52	-4.02e-04	1.26e-04	-0.05	2.58e-05	-5.15e-05	0.0
332	54	-2.50e-04	-1.31e-04	-0.05	2.81e-05	-5.19e-05	0.0
332	59	8.94e-03	4.77e-03	-0.07	2.99e-05	-6.68e-05	0.0
332	61	-0.01	-2.34e-03	-0.04	8.55e-06	-2.94e-05	0.0
332	78	3.44e-03	-6.17e-03	-0.04	4.63e-05	-5.97e-05	0.0
332	91	3.78e-03	2.05e-03	-0.06	2.89e-05	-5.84e-05	0.0
332	93	-6.19e-03	-1.08e-03	-0.05	1.89e-05	-4.18e-05	0.0

332	98	-2.93e-03	-2.81e-03	-0.05	2.16e-05	-4.77e-05	0.0
333	18	-1.06e-03	3.03e-03	-0.09	-3.04e-06	-1.45e-04	0.0
333	19	-8.07e-04	3.15e-03	-0.06	6.91e-06	-7.63e-05	0.0
333	26	-8.17e-04	1.73e-03	-0.11	-2.66e-06	-1.40e-04	0.0
333	38	-6.22e-04	2.05e-03	-0.06	1.44e-05	-7.96e-05	0.0
333	41	-7.33e-04	2.01e-03	-0.07	2.90e-06	-1.08e-04	0.0
333	45	-5.72e-04	1.14e-03	-0.08	3.16e-06	-1.04e-04	0.0
333	47	-3.14e-04	-1.72e-04	-0.06	2.41e-05	-1.02e-04	0.0
333	51	-3.15e-04	2.95e-04	-0.06	2.81e-05	-8.37e-05	0.0
333	52	-3.60e-04	2.78e-04	-0.06	2.36e-05	-9.43e-05	0.0
333	54	-2.84e-04	-1.60e-04	-0.06	2.71e-05	-9.53e-05	0.0
333	59	8.56e-03	-1.44e-03	-0.08	2.89e-05	-2.68e-06	0.0
333	61	-0.01	3.76e-03	-0.05	0.0	-1.62e-04	0.0
333	84	8.27e-03	-5.77e-03	-0.06	7.85e-05	-1.23e-04	0.0
333	91	3.59e-03	-7.00e-04	-0.07	2.78e-05	-5.41e-05	0.0
333	93	-5.95e-03	1.61e-03	-0.06	1.43e-05	-1.25e-04	0.0
333	116	3.70e-03	-2.75e-03	-0.06	5.14e-05	-1.08e-04	0.0
334	19	4.66e-03	2.94e-03	-0.05	-1.15e-05	-9.23e-06	0.0
334	22	4.60e-03	2.96e-03	-0.05	8.36e-06	-2.06e-05	0.0
334	26	2.68e-03	1.74e-03	-0.08	5.45e-06	-3.25e-05	0.0
334	38	3.08e-03	1.93e-03	-0.05	-1.08e-05	-1.37e-05	0.0
334	41	3.04e-03	1.94e-03	-0.05	2.43e-06	-2.13e-05	0.0
334	45	1.78e-03	1.14e-03	-0.06	3.50e-06	-2.36e-05	0.0
334	47	-1.11e-04	-8.79e-05	-0.04	4.25e-06	-2.52e-05	0.0
334	51	5.49e-04	3.10e-04	-0.04	-7.79e-06	-1.90e-05	0.0
334	52	5.33e-04	3.15e-04	-0.04	-1.02e-06	-2.19e-05	0.0
334	53	-8.37e-05	-9.50e-05	-0.04	-7.03e-06	-2.03e-05	0.0
334	54	-1.00e-04	-9.07e-05	-0.04	0.0	-2.32e-05	0.0
334	56	8.11e-03	1.61e-03	-0.05	-2.19e-05	-1.02e-05	0.0
334	57	-8.31e-03	-1.79e-03	-0.04	2.14e-05	-3.62e-05	0.0
334	86	-5.30e-03	-6.02e-03	-0.05	-2.07e-05	-3.59e-05	0.0
334	88	3.52e-03	6.56e-04	-0.05	-9.70e-06	-1.75e-05	0.0
334	89	-3.72e-03	-8.37e-04	-0.04	9.18e-06	-2.89e-05	0.0
334	118	-2.43e-03	-2.82e-03	-0.05	-9.61e-06	-2.90e-05	0.0
335	19	3.77e-03	3.98e-03	-0.05	3.47e-05	-9.88e-06	0.0
335	22	3.69e-03	4.00e-03	-0.05	7.37e-05	-2.36e-05	0.0
335	26	2.13e-03	2.38e-03	-0.09	7.19e-05	-4.16e-05	0.0
335	38	2.48e-03	2.63e-03	-0.05	2.99e-05	-1.74e-05	0.0
335	41	2.43e-03	2.65e-03	-0.05	5.60e-05	-2.66e-05	0.0
335	45	1.40e-03	1.58e-03	-0.06	5.11e-05	-3.13e-05	0.0
335	47	-1.29e-04	-6.59e-05	-0.05	4.02e-05	-3.66e-05	0.0
335	51	4.19e-04	4.62e-04	-0.05	2.31e-05	-2.81e-05	0.0
335	52	3.99e-04	4.70e-04	-0.05	3.44e-05	-3.16e-05	0.0
335	53	-9.62e-05	-7.86e-05	-0.05	2.15e-05	-3.08e-05	0.0
335	54	-1.16e-04	-7.10e-05	-0.05	3.27e-05	-3.43e-05	0.0
335	59	6.39e-03	-1.15e-03	-0.05	6.64e-05	4.91e-06	0.0
335	61	-8.92e-03	3.90e-03	-0.04	2.09e-05	-8.74e-05	0.0
335	84	5.34e-03	-6.13e-03	-0.05	5.40e-06	-1.03e-06	0.0
335	91	2.74e-03	-5.20e-04	-0.05	4.78e-05	-1.71e-05	0.0
335	93	-4.02e-03	1.73e-03	-0.04	2.77e-05	-5.78e-05	0.0
335	116	2.35e-03	-2.90e-03	-0.05	1.99e-05	-1.94e-05	0.0
336	19	3.73e-03	2.92e-03	-0.05	2.01e-05	-1.63e-05	0.0
336	22	3.66e-03	2.94e-03	-0.05	5.27e-05	-3.21e-05	0.0
336	26	2.10e-03	1.72e-03	-0.09	5.42e-05	-4.10e-05	0.0
336	38	2.45e-03	1.92e-03	-0.05	1.87e-05	-1.86e-05	0.0
336	41	2.40e-03	1.92e-03	-0.05	4.05e-05	-2.91e-05	0.0
336	45	1.38e-03	1.13e-03	-0.06	3.86e-05	-2.96e-05	0.0
336	47	-1.39e-04	-9.52e-05	-0.05	3.27e-05	-2.82e-05	0.0
336	51	4.07e-04	3.03e-04	-0.04	1.72e-05	-2.08e-05	0.0
336	52	3.86e-04	3.06e-04	-0.05	2.67e-05	-2.49e-05	0.0
336	53	-1.05e-04	-1.00e-04	-0.04	1.68e-05	-2.14e-05	0.0
336	54	-1.26e-04	-9.72e-05	-0.05	2.63e-05	-2.55e-05	0.0
336	59	6.38e-03	4.32e-03	-0.05	6.04e-05	-1.22e-05	0.0
336	61	-8.93e-03	-1.76e-03	-0.04	1.10e-05	-4.38e-05	0.0
336	86	2.10e-03	-6.00e-03	-0.04	-1.35e-05	-2.03e-05	0.0
336	91	2.73e-03	1.88e-03	-0.05	4.15e-05	-1.96e-05	0.0
336	93	-4.03e-03	-8.03e-04	-0.04	1.97e-05	-3.36e-05	0.0
336	118	8.85e-04	-2.81e-03	-0.04	8.26e-06	-2.31e-05	0.0
337	19	4.68e-03	3.97e-03	-0.05	-3.40e-06	3.04e-06	0.0
337	22	4.62e-03	4.00e-03	-0.05	1.90e-05	-7.59e-06	0.0
337	26	2.71e-03	2.38e-03	-0.09	9.90e-06	-3.10e-05	0.0
337	38	3.10e-03	2.62e-03	-0.05	-6.60e-06	-8.75e-06	0.0
337	41	3.06e-03	2.64e-03	-0.05	8.31e-06	-1.58e-05	0.0
337	45	1.79e-03	1.58e-03	-0.06	6.40e-06	-2.40e-05	0.0
337	47	-1.02e-04	-6.05e-05	-0.05	-3.87e-06	-3.46e-05	0.0
337	51	5.58e-04	4.64e-04	-0.05	-9.08e-06	-2.59e-05	0.0
337	52	5.43e-04	4.73e-04	-0.05	-1.54e-06	-2.85e-05	0.0

337	53	-7.61e-05	-7.52e-05	-0.05	-9.71e-06	-3.02e-05	0.0
337	54	-9.14e-05	-6.64e-05	-0.05	-2.16e-06	-3.28e-05	0.0
337	56	8.13e-03	-3.92e-03	-0.05	-2.48e-05	-2.90e-06	0.0
337	57	-8.31e-03	3.79e-03	-0.04	2.04e-05	-6.85e-05	0.0
337	84	-2.16e-03	-6.15e-03	-0.05	-4.12e-05	-4.69e-05	0.0
337	88	3.53e-03	-1.80e-03	-0.05	-1.21e-05	-1.71e-05	0.0
337	89	-3.71e-03	1.67e-03	-0.04	7.78e-06	-4.86e-05	0.0
337	116	-1.02e-03	-2.90e-03	-0.05	-1.99e-05	-3.92e-05	0.0
338	19	2.83e-03	3.95e-03	-0.05	6.69e-05	-2.51e-05	0.0
338	22	2.75e-03	3.98e-03	-0.06	1.20e-04	-4.41e-05	0.0
338	26	1.53e-03	2.36e-03	-0.10	1.27e-04	-5.94e-05	0.0
338	38	1.85e-03	2.61e-03	-0.05	6.24e-05	-2.94e-05	0.0
338	41	1.79e-03	2.62e-03	-0.06	9.77e-05	-4.21e-05	0.0
338	45	1.01e-03	1.56e-03	-0.07	9.11e-05	-4.39e-05	0.0
338	47	-1.60e-04	-7.57e-05	-0.05	7.62e-05	-4.46e-05	0.0
338	51	2.73e-04	4.54e-04	-0.05	5.46e-05	-3.52e-05	0.0
338	52	2.49e-04	4.59e-04	-0.05	6.88e-05	-4.00e-05	0.0
338	53	-1.21e-04	-8.52e-05	-0.05	5.27e-05	-3.66e-05	0.0
338	54	-1.45e-04	-7.95e-05	-0.05	6.68e-05	-4.14e-05	0.0
338	59	6.86e-03	-1.15e-03	-0.06	1.08e-04	7.76e-06	0.0
338	61	-9.66e-03	3.87e-03	-0.04	4.63e-05	-1.09e-04	0.0
338	84	5.73e-03	-6.11e-03	-0.05	4.20e-05	1.66e-06	0.0
338	91	2.93e-03	-5.27e-04	-0.05	8.52e-05	-1.99e-05	0.0
338	93	-4.37e-03	1.72e-03	-0.05	5.80e-05	-7.17e-05	0.0
338	116	2.54e-03	-2.89e-03	-0.05	5.52e-05	-2.16e-05	0.0
339	19	2.79e-03	2.93e-03	-0.05	4.69e-05	-3.21e-05	0.0
339	21	2.70e-03	2.93e-03	-0.06	8.66e-05	-5.50e-05	0.0
339	26	1.50e-03	1.71e-03	-0.09	9.54e-05	-6.62e-05	0.0
339	38	1.82e-03	1.92e-03	-0.05	4.48e-05	-3.24e-05	0.0
339	40	1.76e-03	1.92e-03	-0.05	7.13e-05	-4.77e-05	0.0
339	45	9.81e-04	1.12e-03	-0.07	6.87e-05	-4.77e-05	0.0
339	47	-1.71e-04	-1.04e-04	-0.05	5.89e-05	-4.21e-05	0.0
339	51	2.60e-04	2.98e-04	-0.05	4.09e-05	-3.14e-05	0.0
339	52	2.35e-04	3.00e-04	-0.05	5.23e-05	-3.80e-05	0.0
339	53	-1.29e-04	-1.07e-04	-0.05	4.00e-05	-3.12e-05	0.0
339	54	-1.54e-04	-1.05e-04	-0.05	5.13e-05	-3.77e-05	0.0
339	59	6.85e-03	4.28e-03	-0.06	1.01e-04	-2.44e-05	0.0
339	61	-9.67e-03	-1.75e-03	-0.04	2.11e-05	-6.01e-05	0.0
339	86	2.35e-03	-5.98e-03	-0.04	8.64e-06	-2.67e-05	0.0
339	91	2.92e-03	1.86e-03	-0.05	7.34e-05	-3.20e-05	0.0
339	93	-4.38e-03	-8.03e-04	-0.04	3.81e-05	-4.78e-05	0.0
339	118	9.97e-04	-2.81e-03	-0.04	3.19e-05	-3.25e-05	0.0
340	19	5.60e-03	2.97e-03	-0.05	-3.93e-05	-1.19e-05	0.0
340	22	5.56e-03	2.99e-03	-0.05	-3.05e-05	-2.30e-05	0.0
340	26	3.28e-03	1.76e-03	-0.09	-3.47e-05	-4.00e-05	0.0
340	38	3.71e-03	1.95e-03	-0.05	-3.55e-05	-1.82e-05	0.0
340	41	3.68e-03	1.97e-03	-0.05	-2.96e-05	-2.56e-05	0.0
340	45	2.18e-03	1.16e-03	-0.06	-2.51e-05	-2.90e-05	0.0
340	51	6.90e-04	3.18e-04	-0.05	-2.63e-05	-2.54e-05	0.0
340	52	6.78e-04	3.23e-04	-0.05	-2.22e-05	-2.80e-05	0.0
340	53	-6.56e-05	-9.08e-05	-0.04	-2.40e-05	-2.72e-05	0.0
340	54	-7.75e-05	-8.57e-05	-0.05	-1.99e-05	-2.98e-05	0.0
340	56	5.32e-03	1.61e-03	-0.05	-4.56e-05	-1.83e-05	0.0
340	58	-7.79e-03	-4.46e-03	-0.04	-1.11e-05	-4.87e-05	0.0
340	86	-5.22e-03	-6.03e-03	-0.05	-3.64e-05	-4.80e-05	0.0
340	88	2.31e-03	6.57e-04	-0.05	-3.11e-05	-2.47e-05	0.0
340	90	-3.47e-03	-2.03e-03	-0.04	-1.61e-05	-3.82e-05	0.0
340	118	-2.37e-03	-2.82e-03	-0.05	-2.73e-05	-3.82e-05	0.0
341	19	5.63e-03	4.02e-03	-0.05	-4.01e-05	1.66e-05	0.0
341	22	5.59e-03	4.06e-03	-0.05	-3.28e-05	6.94e-06	0.0
341	26	3.31e-03	2.42e-03	-0.09	-4.58e-05	-2.65e-05	0.0
341	38	3.74e-03	2.66e-03	-0.05	-4.02e-05	-1.71e-06	0.0
341	41	3.71e-03	2.68e-03	-0.05	-3.53e-05	-8.15e-06	0.0
341	45	2.19e-03	1.61e-03	-0.06	-3.34e-05	-2.14e-05	0.0
341	50	-7.06e-05	-6.13e-05	-0.05	-3.27e-05	-3.81e-05	0.0
341	51	7.00e-04	4.74e-04	-0.05	-3.60e-05	-2.86e-05	0.0
341	52	6.89e-04	4.84e-04	-0.05	-3.19e-05	-3.09e-05	0.0
341	53	-5.89e-05	-7.20e-05	-0.05	-3.49e-05	-3.54e-05	0.0
341	54	-7.00e-05	-6.20e-05	-0.05	-3.08e-05	-3.76e-05	0.0
341	56	5.33e-03	-3.91e-03	-0.05	-5.04e-05	4.99e-06	0.0
341	58	-7.78e-03	1.15e-03	-0.04	-2.54e-05	-1.03e-04	0.0
341	84	-2.13e-03	-6.17e-03	-0.05	-5.78e-05	-5.88e-05	0.0
341	88	2.31e-03	-1.79e-03	-0.05	-3.93e-05	-1.88e-05	0.0
341	90	-3.46e-03	4.68e-04	-0.05	-2.85e-05	-6.66e-05	0.0
341	116	-9.87e-04	-2.91e-03	-0.05	-4.28e-05	-4.71e-05	0.0
342	19	6.57e-03	4.13e-03	-0.05	-6.44e-05	4.51e-05	0.0
342	22	6.54e-03	4.17e-03	-0.06	-6.41e-05	3.33e-05	0.0

342	26	3.89e-03	2.49e-03	-0.09	-7.41e-05	-2.06e-05	0.0
342	38	4.37e-03	2.73e-03	-0.05	-5.96e-05	1.31e-05	0.0
342	41	4.35e-03	2.76e-03	-0.05	-5.94e-05	5.25e-06	0.0
342	45	2.59e-03	1.65e-03	-0.07	-5.31e-05	-1.85e-05	0.0
342	50	-5.63e-05	-5.80e-05	-0.05	-4.34e-05	-4.98e-05	0.0
342	51	8.36e-04	4.91e-04	-0.05	-4.68e-05	-3.46e-05	0.0
342	52	8.27e-04	5.01e-04	-0.05	-4.46e-05	-3.72e-05	0.0
342	53	-4.76e-05	-6.97e-05	-0.05	-4.36e-05	-4.65e-05	0.0
342	54	-5.58e-05	-5.89e-05	-0.05	-4.14e-05	-4.92e-05	0.0
342	56	4.79e-03	-3.88e-03	-0.06	-6.92e-05	-6.04e-06	0.0
342	58	-7.36e-03	1.12e-03	-0.05	-2.64e-05	-1.18e-04	0.0
342	84	-2.24e-03	-6.22e-03	-0.06	-6.64e-05	-7.28e-05	0.0
342	88	2.08e-03	-1.78e-03	-0.05	-5.36e-05	-3.02e-05	0.0
342	90	-3.27e-03	4.56e-04	-0.05	-3.48e-05	-7.93e-05	0.0
342	116	-1.03e-03	-2.93e-03	-0.05	-5.24e-05	-5.99e-05	0.0
343	19	6.53e-03	3.07e-03	-0.05	-4.93e-05	-2.60e-05	0.0
343	22	6.50e-03	3.09e-03	-0.05	-4.52e-05	-4.00e-05	0.0
343	26	3.86e-03	1.83e-03	-0.09	-4.63e-05	-6.36e-05	0.0
343	38	4.34e-03	2.02e-03	-0.05	-4.27e-05	-3.33e-05	0.0
343	41	4.32e-03	2.03e-03	-0.05	-3.99e-05	-4.26e-05	0.0
343	45	2.57e-03	1.20e-03	-0.06	-3.30e-05	-4.61e-05	0.0
343	51	8.27e-04	3.34e-04	-0.05	-2.89e-05	-4.04e-05	0.0
343	52	8.20e-04	3.40e-04	-0.05	-2.64e-05	-4.32e-05	0.0
343	53	-5.06e-05	-8.66e-05	-0.05	-2.55e-05	-4.22e-05	0.0
343	54	-5.82e-05	-8.09e-05	-0.05	-2.29e-05	-4.50e-05	0.0
343	56	4.77e-03	1.58e-03	-0.06	-4.66e-05	-3.23e-05	0.0
343	58	-7.34e-03	-4.42e-03	-0.04	1.43e-05	-6.61e-05	0.0
343	86	-5.34e-03	-6.05e-03	-0.05	9.35e-06	-6.60e-05	0.0
343	88	2.08e-03	6.44e-04	-0.05	-3.33e-05	-3.94e-05	0.0
343	90	-3.26e-03	-2.01e-03	-0.04	-6.44e-06	-5.44e-05	0.0
343	118	-2.40e-03	-2.83e-03	-0.05	-8.23e-06	-5.47e-05	0.0
344	19	1.90e-03	3.99e-03	-0.06	8.11e-05	-3.90e-05	0.0
344	21	1.81e-03	4.01e-03	-0.07	1.29e-04	-6.08e-05	0.0
344	26	9.41e-04	2.36e-03	-0.10	1.48e-04	-8.00e-05	0.0
344	38	1.22e-03	2.63e-03	-0.06	7.88e-05	-4.24e-05	0.0
344	40	1.15e-03	2.64e-03	-0.06	1.11e-04	-5.69e-05	0.0
344	45	6.09e-04	1.56e-03	-0.08	1.08e-04	-5.91e-05	0.0
344	47	-1.92e-04	-8.78e-05	-0.06	9.57e-05	-5.79e-05	0.0
344	52	9.83e-05	4.54e-04	-0.06	8.78e-05	-5.27e-05	0.0
344	53	-1.48e-04	-9.43e-05	-0.05	7.28e-05	-4.75e-05	0.0
344	54	-1.75e-04	-9.04e-05	-0.06	8.65e-05	-5.37e-05	0.0
344	59	7.32e-03	-1.13e-03	-0.07	1.32e-04	1.03e-05	0.0
344	61	-0.01	3.82e-03	-0.05	5.88e-05	-1.44e-04	0.0
344	84	6.27e-03	-6.10e-03	-0.05	6.71e-05	5.74e-06	0.0
344	91	3.12e-03	-5.23e-04	-0.06	1.07e-04	-2.57e-05	0.0
344	93	-4.75e-03	1.69e-03	-0.05	7.45e-05	-9.41e-05	0.0
344	116	2.79e-03	-2.89e-03	-0.05	7.75e-05	-2.61e-05	0.0
345	19	1.83e-03	2.95e-03	-0.05	5.67e-05	-5.59e-05	0.0
345	26	8.89e-04	1.70e-03	-0.10	1.05e-04	-1.08e-04	0.0
345	38	1.17e-03	1.93e-03	-0.05	5.56e-05	-5.48e-05	0.0
345	45	5.73e-04	1.12e-03	-0.07	7.65e-05	-7.80e-05	0.0
345	47	-2.04e-04	-1.17e-04	-0.05	6.92e-05	-6.74e-05	0.0
345	51	1.08e-04	2.93e-04	-0.05	5.31e-05	-5.12e-05	0.0
345	54	-1.85e-04	-1.16e-04	-0.05	6.25e-05	-6.06e-05	0.0
345	59	7.32e-03	4.22e-03	-0.07	1.20e-04	-4.44e-05	0.0
345	61	-0.01	-1.72e-03	-0.04	2.22e-05	-9.18e-05	0.0
345	86	2.70e-03	-5.95e-03	-0.04	2.34e-05	-4.15e-05	0.0
345	91	3.11e-03	1.83e-03	-0.06	8.82e-05	-5.36e-05	0.0
345	93	-4.78e-03	-7.99e-04	-0.05	4.49e-05	-7.47e-05	0.0
345	118	1.16e-03	-2.80e-03	-0.05	4.45e-05	-5.15e-05	0.0
346	19	7.40e-03	3.12e-03	-0.05	-2.47e-05	-3.18e-05	0.0
346	22	7.39e-03	3.15e-03	-0.06	-1.56e-05	-4.80e-05	0.0
346	26	4.41e-03	1.86e-03	-0.09	-1.05e-05	-7.96e-05	0.0
346	38	4.92e-03	2.06e-03	-0.05	-1.87e-05	-4.20e-05	0.0
346	41	4.92e-03	2.07e-03	-0.05	-1.25e-05	-5.27e-05	0.0
346	45	2.93e-03	1.23e-03	-0.07	-7.06e-06	-5.78e-05	0.0
346	51	9.54e-04	3.44e-04	-0.05	-7.50e-06	-5.21e-05	0.0
346	52	9.51e-04	3.50e-04	-0.05	-4.88e-06	-5.51e-05	0.0
346	53	-3.87e-05	-8.42e-05	-0.05	-4.71e-06	-5.47e-05	0.0
346	54	-4.17e-05	-7.83e-05	-0.05	-2.08e-06	-5.76e-05	0.0
346	56	4.26e-03	1.55e-03	-0.06	-8.01e-06	-9.95e-05	0.0
346	58	-6.98e-03	-4.39e-03	-0.04	1.26e-05	-3.46e-05	0.0
346	86	-5.60e-03	-6.05e-03	-0.05	1.90e-05	-7.32e-05	0.0
346	88	1.86e-03	6.36e-04	-0.05	-4.68e-06	-7.59e-05	0.0
346	90	-3.09e-03	-1.99e-03	-0.04	4.52e-06	-4.74e-05	0.0
346	118	-2.51e-03	-2.83e-03	-0.05	7.81e-06	-6.44e-05	0.0
347	4	-3.49e-04	1.37e-03	-0.09	2.00e-05	-1.57e-04	0.0

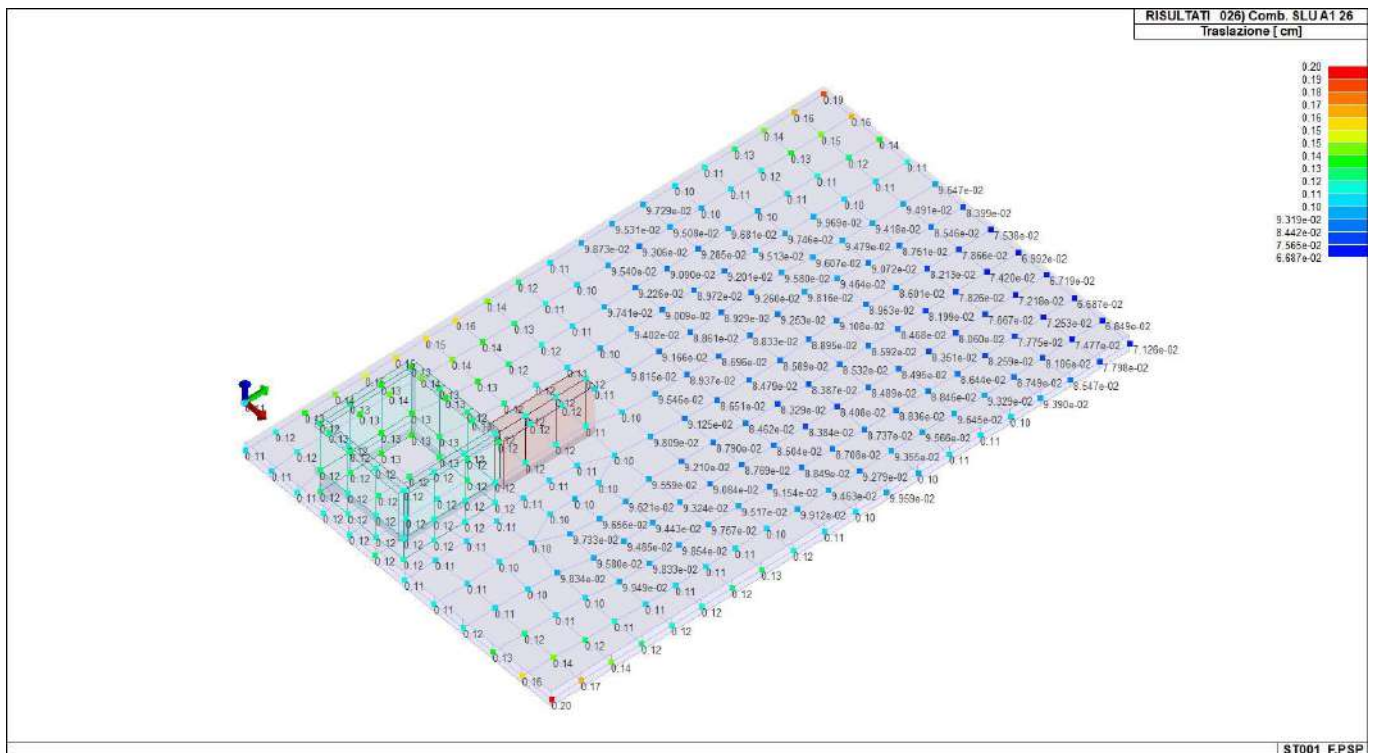
347	19	3.40e-06	2.52e-03	-0.05	1.52e-05	-7.40e-05	0.0
347	26	-2.82e-04	1.40e-03	-0.10	1.49e-05	-1.33e-04	0.0
347	34	-2.57e-04	8.94e-04	-0.06	1.77e-05	-1.13e-04	0.0
347	38	-7.09e-05	1.64e-03	-0.05	1.95e-05	-7.31e-05	0.0
347	45	-2.13e-04	9.16e-04	-0.07	1.43e-05	-9.72e-05	0.0
347	47	-2.73e-04	-1.50e-04	-0.06	2.67e-05	-8.87e-05	0.0
347	51	-1.82e-04	2.20e-04	-0.05	2.74e-05	-7.03e-05	0.0
347	54	-2.48e-04	-1.43e-04	-0.06	2.78e-05	-8.11e-05	0.0
347	59	8.19e-03	4.27e-03	-0.07	3.88e-05	-8.04e-05	0.0
347	61	-0.01	-1.91e-03	-0.04	-1.35e-06	-8.69e-05	0.0
347	86	3.54e-03	-5.86e-03	-0.04	5.16e-05	-7.04e-05	0.0
347	91	3.45e-03	1.83e-03	-0.06	3.25e-05	-8.08e-05	0.0
347	93	-5.57e-03	-8.96e-04	-0.05	1.43e-05	-8.38e-05	0.0
347	118	1.53e-03	-2.76e-03	-0.05	3.92e-05	-7.60e-05	0.0
348	18	-1.59e-03	2.34e-03	-0.08	3.01e-06	-1.29e-04	0.0
348	19	-1.37e-03	2.43e-03	-0.06	8.01e-06	-7.01e-05	0.0
348	26	-1.11e-03	1.34e-03	-0.10	4.30e-06	-1.20e-04	0.0
348	38	-9.91e-04	1.57e-03	-0.06	1.49e-05	-7.22e-05	0.0
348	41	-1.09e-03	1.55e-03	-0.06	6.52e-06	-9.56e-05	0.0
348	45	-7.71e-04	8.75e-04	-0.07	7.38e-06	-8.98e-05	0.0
348	47	-2.96e-04	-1.51e-04	-0.06	2.47e-05	-9.05e-05	0.0
348	51	-3.85e-04	2.09e-04	-0.05	2.71e-05	-7.52e-05	0.0
348	52	-4.23e-04	1.97e-04	-0.06	2.38e-05	-8.39e-05	0.0
348	54	-2.71e-04	-1.44e-04	-0.06	2.69e-05	-8.47e-05	0.0
348	59	8.87e-03	4.21e-03	-0.08	2.94e-05	-7.15e-05	0.0
348	61	-0.01	-1.87e-03	-0.04	2.79e-06	-9.17e-05	0.0
348	86	4.27e-03	-5.81e-03	-0.04	5.46e-05	-9.78e-05	0.0
348	91	3.73e-03	1.80e-03	-0.07	2.79e-05	-7.88e-05	0.0
348	93	-6.18e-03	-8.83e-04	-0.05	1.56e-05	-8.77e-05	0.0
348	118	1.86e-03	-2.73e-03	-0.05	4.02e-05	-9.07e-05	0.0
349	4	-3.57e-04	1.76e-03	-0.10	1.46e-05	-1.70e-04	0.0
349	19	1.62e-06	3.20e-03	-0.06	1.44e-05	-7.82e-05	0.0
349	26	-2.91e-04	1.79e-03	-0.11	9.69e-06	-1.46e-04	0.0
349	34	-2.64e-04	1.16e-03	-0.07	1.49e-05	-1.23e-04	0.0
349	38	-7.39e-05	2.09e-03	-0.06	2.02e-05	-7.98e-05	0.0
349	45	-2.19e-04	1.18e-03	-0.08	1.16e-05	-1.07e-04	0.0
349	47	-2.79e-04	-1.56e-04	-0.06	2.87e-05	-1.01e-04	0.0
349	51	-1.87e-04	3.09e-04	-0.06	3.10e-05	-8.07e-05	0.0
349	54	-2.53e-04	-1.48e-04	-0.06	3.07e-05	-9.27e-05	0.0
349	59	8.22e-03	3.89e-03	-0.08	3.60e-05	-3.89e-05	0.0
349	61	-0.01	-1.50e-03	-0.05	3.02e-06	-1.69e-04	0.0
349	86	3.55e-03	-5.86e-03	-0.05	6.03e-05	-6.81e-05	0.0
349	91	3.46e-03	1.67e-03	-0.07	3.30e-05	-6.92e-05	0.0
349	93	-5.60e-03	-7.17e-04	-0.05	1.78e-05	-1.27e-04	0.0
349	118	1.53e-03	-2.79e-03	-0.05	4.49e-05	-8.11e-05	0.0
350	19	8.51e-04	2.99e-03	-0.06	3.49e-05	-7.56e-05	0.0
350	26	2.61e-04	1.70e-03	-0.10	5.37e-05	-1.42e-04	0.0
350	38	5.02e-04	1.95e-03	-0.06	3.75e-05	-7.47e-05	0.0
350	45	1.52e-04	1.12e-03	-0.08	4.17e-05	-1.03e-04	0.0
350	47	-2.41e-04	-1.35e-04	-0.06	4.75e-05	-9.16e-05	0.0
350	51	-4.98e-05	2.89e-04	-0.05	4.19e-05	-7.13e-05	0.0
350	54	-2.20e-04	-1.32e-04	-0.06	4.57e-05	-8.32e-05	0.0
350	59	7.81e-03	4.11e-03	-0.07	7.33e-05	-7.40e-05	0.0
350	61	-0.01	-1.67e-03	-0.04	1.12e-06	-1.06e-04	0.0
350	86	3.14e-03	-5.90e-03	-0.04	6.63e-05	-6.47e-05	0.0
350	91	3.30e-03	1.77e-03	-0.06	5.77e-05	-7.92e-05	0.0
350	93	-5.21e-03	-7.86e-04	-0.05	2.56e-05	-9.39e-05	0.0
350	118	1.35e-03	-2.79e-03	-0.05	5.55e-05	-7.43e-05	0.0
351	18	-9.37e-04	2.36e-03	-0.08	2.41e-06	-1.36e-04	0.0
351	19	-7.12e-04	2.44e-03	-0.06	8.36e-06	-7.26e-05	0.0
351	26	-7.27e-04	1.34e-03	-0.10	2.39e-06	-1.27e-04	0.0
351	38	-5.53e-04	1.58e-03	-0.06	1.41e-05	-7.32e-05	0.0
351	41	-6.51e-04	1.56e-03	-0.06	5.72e-06	-9.99e-05	0.0
351	45	-5.12e-04	8.80e-04	-0.07	5.70e-06	-9.38e-05	0.0
351	47	-2.92e-04	-1.54e-04	-0.06	2.16e-05	-8.98e-05	0.0
351	51	-2.91e-04	2.09e-04	-0.05	2.44e-05	-7.31e-05	0.0
351	52	-3.31e-04	1.97e-04	-0.06	2.12e-05	-8.32e-05	0.0
351	54	-2.65e-04	-1.46e-04	-0.06	2.38e-05	-8.31e-05	0.0
351	59	8.52e-03	4.25e-03	-0.08	2.68e-05	-8.39e-05	0.0
351	61	-0.01	-1.90e-03	-0.04	0.0	-8.15e-05	0.0
351	86	3.91e-03	-5.83e-03	-0.04	5.00e-05	-8.43e-05	0.0
351	91	3.58e-03	1.82e-03	-0.06	2.51e-05	-8.35e-05	0.0
351	93	-5.88e-03	-8.97e-04	-0.05	1.30e-05	-8.23e-05	0.0
351	118	1.70e-03	-2.75e-03	-0.05	3.64e-05	-8.37e-05	0.0
352	4	2.51e-03	1.62e-03	-0.10	-1.10e-05	-9.76e-05	-8.60e-06
352	15	9.09e-05	3.41e-03	-0.08	-5.86e-06	-4.79e-05	-1.46e-05
352	26	1.94e-03	1.52e-03	-0.12	-1.48e-05	-8.11e-05	-8.65e-06

352	34	2.01e-03	1.33e-03	-0.08	-1.32e-06	-7.35e-05	-5.70e-06
352	38	3.92e-04	2.53e-03	-0.06	2.14e-06	-4.04e-05	-9.68e-06
352	45	1.62e-03	1.27e-03	-0.08	-3.81e-06	-6.25e-05	-5.73e-06
352	47	2.80e-03	1.16e-03	-0.07	2.91e-05	-7.44e-05	0.0
352	51	2.01e-03	1.74e-03	-0.06	3.04e-05	-5.84e-05	-1.72e-06
352	53	2.41e-03	1.55e-03	-0.06	3.75e-05	-6.29e-05	0.0
352	54	2.64e-03	1.32e-03	-0.07	3.25e-05	-6.98e-05	0.0
352	60	4.99e-03	4.16e-04	-0.08	1.50e-05	1.46e-04	1.67e-05
352	77	-3.06e-04	3.00e-03	-0.06	-1.46e-05	2.08e-06	8.92e-06
352	84	6.25e-03	-2.45e-04	-0.07	9.31e-05	-1.56e-04	1.65e-05
352	92	3.77e-03	9.13e-04	-0.07	2.52e-05	2.46e-05	7.68e-06
352	109	1.24e-03	2.07e-03	-0.06	1.06e-05	-3.79e-05	4.15e-06
352	116	4.37e-03	6.03e-04	-0.07	6.15e-05	-1.10e-04	7.80e-06
353	4	2.54e-03	2.90e-03	-0.12	-6.35e-05	-1.09e-04	-5.97e-06
353	15	1.48e-04	5.81e-03	-0.10	-5.66e-05	-5.78e-05	-1.34e-05
353	26	1.99e-03	2.84e-03	-0.13	-6.26e-05	-9.31e-05	-6.29e-06
353	34	2.03e-03	2.19e-03	-0.09	-3.69e-05	-8.16e-05	-3.83e-06
353	38	4.29e-04	4.13e-03	-0.07	-3.22e-05	-4.75e-05	-8.77e-06
353	45	1.66e-03	2.15e-03	-0.10	-3.63e-05	-7.10e-05	-4.05e-06
353	47	2.79e-03	1.10e-03	-0.08	1.48e-05	-7.99e-05	1.66e-06
353	51	2.01e-03	2.04e-03	-0.08	1.64e-05	-6.34e-05	0.0
353	53	2.41e-03	1.52e-03	-0.08	2.86e-05	-6.74e-05	1.24e-06
353	54	2.64e-03	1.27e-03	-0.08	2.03e-05	-7.49e-05	1.49e-06
353	62	2.19e-03	2.84e-03	-0.12	1.21e-04	-3.66e-04	-6.23e-06
353	81	-7.75e-04	4.41e-03	-0.07	-8.41e-05	-1.52e-05	-1.64e-05
353	84	6.15e-03	-1.75e-03	-0.09	1.14e-04	-1.59e-04	1.93e-05
353	94	2.42e-03	1.95e-03	-0.10	6.64e-05	-2.05e-04	-1.87e-06
353	113	9.98e-04	2.75e-03	-0.08	-2.97e-05	-4.59e-05	-6.80e-06
353	116	4.32e-03	-1.74e-04	-0.09	6.53e-05	-1.14e-04	9.82e-06
354	15	-2.99e-03	5.71e-03	-0.08	-5.85e-05	2.39e-06	-1.41e-05
354	19	-3.63e-03	5.40e-03	-0.06	-6.30e-05	1.69e-05	-1.40e-05
354	26	-2.59e-05	2.80e-03	-0.12	-6.10e-05	-3.60e-05	-8.11e-06
354	38	-1.68e-03	4.07e-03	-0.07	-3.31e-05	-6.46e-06	-9.48e-06
354	45	3.01e-04	2.13e-03	-0.09	-3.47e-05	-3.20e-05	-5.49e-06
354	47	2.63e-03	1.12e-03	-0.09	1.79e-05	-6.13e-05	0.0
354	51	1.49e-03	2.06e-03	-0.08	1.89e-05	-4.55e-05	-2.25e-06
354	53	2.28e-03	1.55e-03	-0.08	3.19e-05	-5.52e-05	0.0
354	54	2.49e-03	1.29e-03	-0.08	2.35e-05	-5.89e-05	0.0
354	62	1.15e-03	2.88e-03	-0.14	1.26e-04	-3.70e-04	-6.62e-06
354	81	-3.83e-03	4.27e-03	-0.06	-8.23e-05	5.55e-06	-1.57e-05
354	84	8.97e-03	-1.54e-03	-0.11	1.19e-04	-1.48e-04	1.53e-05
354	94	1.89e-03	1.99e-03	-0.11	7.06e-05	-1.97e-04	-3.04e-06
354	113	-5.11e-04	2.70e-03	-0.07	-2.71e-05	-2.80e-05	-7.39e-06
354	116	5.57e-03	-5.79e-05	-0.09	6.92e-05	-9.97e-05	6.98e-06
355	15	-2.78e-03	3.46e-03	-0.09	4.71e-06	-1.40e-06	-1.69e-05
355	19	-3.44e-03	3.09e-03	-0.06	-6.44e-06	1.27e-05	-1.65e-05
355	26	8.68e-05	1.70e-03	-0.12	1.31e-06	-3.58e-05	-1.11e-05
355	38	-1.53e-03	2.57e-03	-0.07	1.02e-05	-8.79e-06	-1.15e-05
355	45	3.80e-04	1.40e-03	-0.09	7.92e-06	-3.17e-05	-7.59e-06
355	47	2.67e-03	1.32e-03	-0.08	3.94e-05	-6.01e-05	-1.54e-06
355	51	1.55e-03	1.86e-03	-0.07	3.89e-05	-4.48e-05	-3.38e-06
355	53	2.32e-03	1.68e-03	-0.07	4.61e-05	-5.38e-05	-1.36e-06
355	54	2.53e-03	1.46e-03	-0.07	4.21e-05	-5.76e-05	-1.47e-06
355	77	-3.03e-03	2.91e-03	-0.06	-3.76e-06	2.17e-05	-1.72e-05
355	84	8.95e-03	1.38e-04	-0.09	1.01e-04	-1.51e-04	1.51e-05
355	109	-7.48e-05	2.11e-03	-0.07	2.08e-05	-2.28e-05	-8.63e-06
355	116	5.58e-03	8.57e-04	-0.08	7.02e-05	-1.01e-04	6.23e-06
356	15	-2.88e-03	4.24e-03	-0.09	-6.97e-06	4.99e-06	-1.48e-05
356	19	-3.52e-03	3.90e-03	-0.06	-1.75e-05	1.80e-05	-1.51e-05
356	26	-9.73e-06	2.10e-03	-0.12	-8.92e-06	-2.86e-05	-7.56e-06
356	38	-1.60e-03	3.09e-03	-0.07	2.50e-06	-4.23e-06	-9.72e-06
356	45	3.10e-04	1.67e-03	-0.09	1.20e-06	-2.66e-05	-4.92e-06
356	47	2.62e-03	1.26e-03	-0.08	3.72e-05	-5.64e-05	1.29e-06
356	51	1.50e-03	1.93e-03	-0.07	3.70e-05	-4.17e-05	-1.12e-06
356	53	2.27e-03	1.64e-03	-0.07	4.56e-05	-5.10e-05	1.03e-06
356	54	2.48e-03	1.41e-03	-0.08	4.06e-05	-5.42e-05	1.18e-06
356	81	-3.81e-03	2.91e-03	-0.06	-6.18e-05	1.28e-05	-1.41e-05
356	84	8.89e-03	-7.49e-05	-0.09	1.09e-04	-1.45e-04	1.66e-05
356	86	6.76e-03	4.34e-04	-0.10	1.51e-04	-2.61e-04	1.03e-05
356	116	5.52e-03	6.99e-04	-0.08	7.34e-05	-9.62e-05	8.36e-06
356	117	-5.68e-04	2.12e-03	-0.07	7.76e-06	-1.22e-05	-5.99e-06
356	118	4.53e-03	9.41e-04	-0.09	9.28e-05	-1.49e-04	5.46e-06
357	15	-2.97e-03	4.94e-03	-0.08	-3.27e-05	5.55e-06	-1.56e-05
357	19	-3.61e-03	4.63e-03	-0.06	-4.04e-05	1.94e-05	-1.55e-05
357	26	-3.74e-05	2.42e-03	-0.12	-3.44e-05	-3.19e-05	-9.35e-06
357	38	-1.66e-03	3.56e-03	-0.07	-1.51e-05	-4.18e-06	-1.04e-05
357	45	2.92e-04	1.87e-03	-0.09	-1.63e-05	-2.92e-05	-6.26e-06

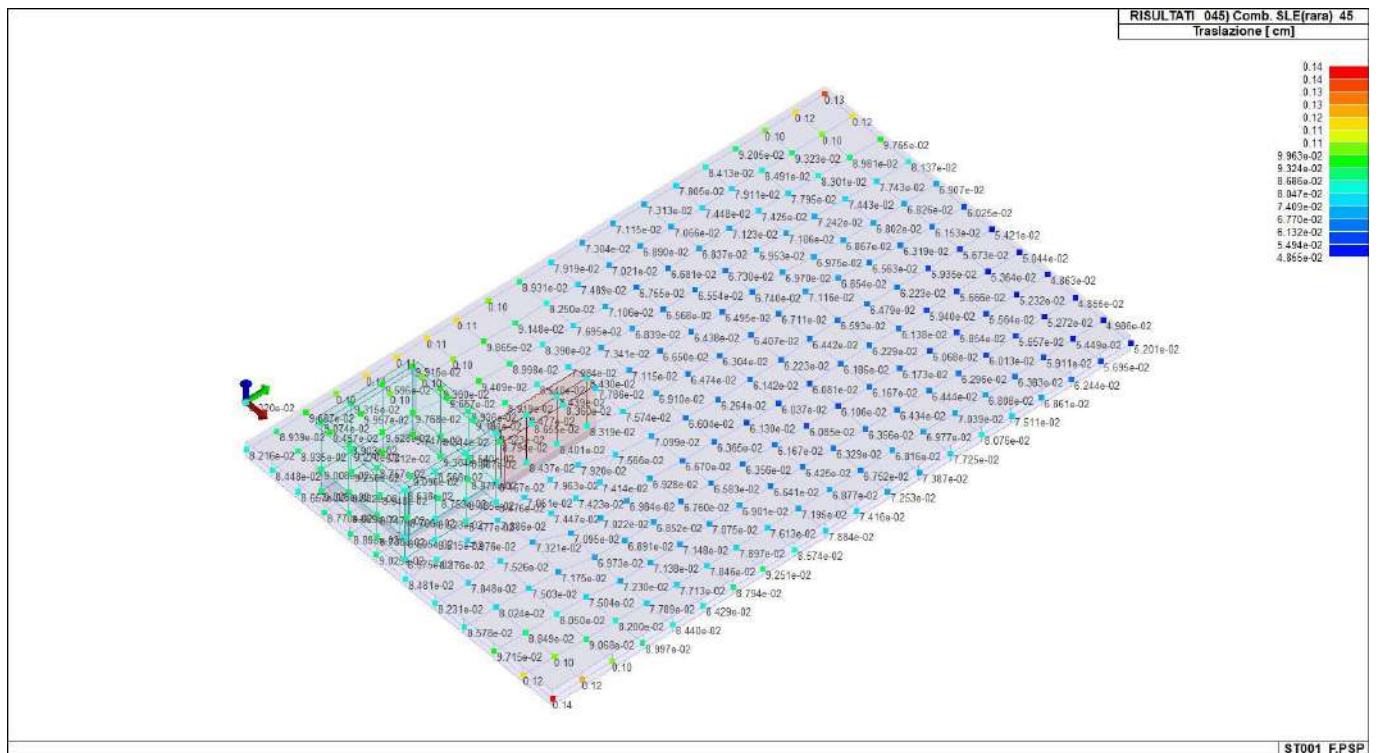
357	47	2.61e-03	1.17e-03	-0.08	2.83e-05	-5.92e-05	0.0
357	51	1.48e-03	1.97e-03	-0.08	2.87e-05	-4.38e-05	-2.23e-06
357	53	2.27e-03	1.58e-03	-0.08	3.97e-05	-5.36e-05	0.0
357	54	2.48e-03	1.33e-03	-0.08	3.29e-05	-5.70e-05	0.0
357	62	1.02e-03	2.37e-03	-0.12	1.05e-05	-3.85e-04	-9.14e-06
357	81	-3.82e-03	3.51e-03	-0.06	-9.71e-05	1.30e-05	-1.71e-05
357	84	8.92e-03	-7.49e-04	-0.10	1.19e-04	-1.52e-04	1.66e-05
357	94	1.83e-03	1.78e-03	-0.10	2.36e-05	-2.03e-04	-4.07e-06
357	113	-5.14e-04	2.37e-03	-0.07	-2.83e-05	-2.35e-05	-7.95e-06
357	116	5.54e-03	3.33e-04	-0.09	7.42e-05	-1.01e-04	7.61e-06
358	15	-1.81e-03	3.44e-03	-0.09	4.47e-06	-9.96e-06	-1.49e-05
358	19	-2.48e-03	3.09e-03	-0.06	-6.34e-06	4.31e-06	-1.48e-05
358	26	7.08e-04	1.65e-03	-0.12	0.0	-4.26e-05	-9.38e-06
358	34	1.17e-03	1.43e-03	-0.08	9.56e-06	-4.52e-05	-6.24e-06
358	38	-8.83e-04	2.56e-03	-0.07	9.86e-06	-1.42e-05	-1.00e-05
358	45	7.99e-04	1.36e-03	-0.09	6.98e-06	-3.60e-05	-6.32e-06
358	47	2.72e-03	1.27e-03	-0.07	3.80e-05	-6.04e-05	0.0
358	51	1.71e-03	1.82e-03	-0.07	3.79e-05	-4.52e-05	-2.40e-06
358	53	2.36e-03	1.64e-03	-0.07	4.49e-05	-5.30e-05	0.0
358	54	2.57e-03	1.42e-03	-0.07	4.08e-05	-5.74e-05	0.0
358	77	-2.14e-03	2.96e-03	-0.06	-3.65e-06	1.96e-05	-1.61e-05
358	84	8.10e-03	1.16e-05	-0.08	9.73e-05	-1.49e-04	1.58e-05
358	109	3.55e-04	2.11e-03	-0.07	2.02e-05	-2.36e-05	-7.59e-06
358	116	5.21e-03	7.77e-04	-0.08	6.78e-05	-9.94e-05	7.09e-06
359	4	1.94e-03	1.67e-03	-0.10	-6.63e-06	-7.59e-05	-8.18e-06
359	15	-8.11e-04	3.43e-03	-0.08	-1.64e-06	-2.85e-05	-1.41e-05
359	26	1.37e-03	1.57e-03	-0.12	-1.08e-05	-6.04e-05	-8.24e-06
359	34	1.63e-03	1.37e-03	-0.08	1.73e-06	-5.85e-05	-5.45e-06
359	38	-2.10e-04	2.54e-03	-0.06	5.06e-06	-2.68e-05	-9.41e-06
359	45	1.24e-03	1.30e-03	-0.08	-1.02e-06	-4.81e-05	-5.50e-06
359	47	2.77e-03	1.20e-03	-0.07	3.07e-05	-6.59e-05	0.0
359	51	1.88e-03	1.77e-03	-0.07	3.20e-05	-5.05e-05	-1.86e-06
359	53	2.40e-03	1.57e-03	-0.07	3.87e-05	-5.65e-05	0.0
359	54	2.62e-03	1.35e-03	-0.07	3.39e-05	-6.22e-05	0.0
359	77	-1.21e-03	2.98e-03	-0.06	-7.24e-06	1.27e-05	-1.69e-05
359	80	7.13e-03	1.04e-05	-0.08	1.14e-04	-1.25e-04	1.84e-05
359	84	7.20e-03	-1.57e-04	-0.08	8.67e-05	-1.51e-04	1.82e-05
359	109	8.10e-04	2.08e-03	-0.07	1.48e-05	-2.91e-05	-7.68e-06
359	112	4.78e-03	7.36e-04	-0.07	7.14e-05	-9.27e-05	8.58e-06
359	116	4.81e-03	6.61e-04	-0.07	5.92e-05	-1.03e-04	8.55e-06
360	15	-1.95e-03	5.69e-03	-0.09	-6.16e-05	-2.27e-05	-1.65e-05
360	19	-2.62e-03	5.40e-03	-0.06	-6.55e-05	-5.24e-06	-1.64e-05
360	26	6.42e-04	2.76e-03	-0.12	-6.48e-05	-6.10e-05	-9.73e-06
360	34	1.10e-03	2.13e-03	-0.09	-3.93e-05	-5.69e-05	-6.60e-06
360	38	-9.79e-04	4.06e-03	-0.07	-3.53e-05	-2.38e-05	-1.11e-05
360	45	7.52e-04	2.10e-03	-0.09	-3.74e-05	-4.93e-05	-6.52e-06
360	47	2.70e-03	1.09e-03	-0.09	1.59e-05	-7.06e-05	0.0
360	51	1.67e-03	2.04e-03	-0.08	1.73e-05	-5.45e-05	-2.44e-06
360	53	2.34e-03	1.53e-03	-0.08	3.04e-05	-6.21e-05	0.0
360	54	2.55e-03	1.27e-03	-0.08	2.17e-05	-6.72e-05	0.0
360	62	1.57e-03	2.84e-03	-0.13	1.32e-04	-3.70e-04	-8.36e-06
360	81	-2.76e-03	4.29e-03	-0.07	-9.27e-05	-5.77e-06	-1.81e-05
360	84	8.02e-03	-1.61e-03	-0.10	1.25e-04	-1.53e-04	1.76e-05
360	94	2.11e-03	1.95e-03	-0.11	7.24e-05	-2.02e-04	-3.79e-06
360	113	2.15e-05	2.69e-03	-0.08	-3.31e-05	-3.77e-05	-8.54e-06
360	116	5.16e-03	-1.05e-04	-0.09	7.13e-05	-1.07e-04	8.06e-06
361	4	1.93e-03	2.81e-03	-0.12	-7.08e-05	-9.73e-05	-1.01e-05
361	15	-8.38e-04	5.73e-03	-0.09	-6.24e-05	-4.58e-05	-1.63e-05
361	26	1.38e-03	2.76e-03	-0.13	-6.91e-05	-8.35e-05	-1.01e-05
361	34	1.61e-03	2.13e-03	-0.09	-4.19e-05	-7.39e-05	-6.78e-06
361	38	-2.29e-04	4.08e-03	-0.07	-3.62e-05	-3.96e-05	-1.09e-05
361	45	1.25e-03	2.10e-03	-0.10	-4.07e-05	-6.47e-05	-6.80e-06
361	47	2.77e-03	1.07e-03	-0.08	1.22e-05	-7.82e-05	0.0
361	51	1.87e-03	2.02e-03	-0.08	1.42e-05	-6.15e-05	-2.66e-06
361	53	2.40e-03	1.51e-03	-0.08	2.69e-05	-6.70e-05	0.0
361	54	2.62e-03	1.25e-03	-0.08	1.80e-05	-7.37e-05	0.0
361	62	1.92e-03	2.80e-03	-0.13	1.25e-04	-3.69e-04	-7.10e-06
361	81	-1.67e-03	4.33e-03	-0.07	-9.04e-05	-1.41e-05	-1.74e-05
361	84	7.04e-03	-1.70e-03	-0.10	1.16e-04	-1.58e-04	1.65e-05
361	94	2.29e-03	1.92e-03	-0.10	6.69e-05	-2.05e-04	-3.43e-06
361	113	5.70e-04	2.70e-03	-0.08	-3.39e-05	-4.49e-05	-8.42e-06
361	116	4.73e-03	-1.63e-04	-0.09	6.50e-05	-1.13e-04	7.37e-06
362	4	2.53e-03	2.51e-03	-0.12	-5.41e-05	-1.09e-04	-9.66e-06
362	15	1.29e-04	4.99e-03	-0.09	-4.62e-05	-5.76e-05	-1.59e-05
362	26	1.97e-03	2.43e-03	-0.13	-5.50e-05	-9.49e-05	-9.49e-06
362	34	2.02e-03	1.93e-03	-0.09	-3.08e-05	-8.15e-05	-6.48e-06
362	38	4.15e-04	3.59e-03	-0.07	-2.55e-05	-4.73e-05	-1.06e-05

362	45	1.64e-03	1.88e-03	-0.09	-3.14e-05	-7.08e-05	-6.37e-06
362	47	2.78e-03	1.16e-03	-0.08	1.53e-05	-7.94e-05	0.0
362	51	2.00e-03	1.96e-03	-0.07	1.73e-05	-6.28e-05	-2.33e-06
362	53	2.40e-03	1.56e-03	-0.07	2.80e-05	-6.67e-05	0.0
362	54	2.63e-03	1.32e-03	-0.08	2.04e-05	-7.43e-05	0.0
362	62	2.17e-03	2.42e-03	-0.10	1.13e-04	-3.68e-04	-7.63e-06
362	81	-8.27e-04	3.67e-03	-0.07	-7.44e-05	-1.31e-05	-1.55e-05
362	84	6.18e-03	-9.33e-04	-0.08	1.06e-04	-1.61e-04	1.50e-05
362	94	2.40e-03	1.80e-03	-0.09	6.27e-05	-2.05e-04	-3.48e-06
362	113	9.69e-04	2.43e-03	-0.07	-2.50e-05	-4.45e-05	-7.26e-06
362	116	4.33e-03	2.36e-04	-0.08	6.12e-05	-1.14e-04	6.77e-06
363	4	2.50e-03	2.11e-03	-0.11	-3.31e-05	-1.01e-04	-1.10e-05
363	15	1.02e-04	4.23e-03	-0.09	-2.63e-05	-5.15e-05	-1.63e-05
363	26	1.93e-03	2.02e-03	-0.12	-3.60e-05	-8.39e-05	-1.08e-05
363	34	2.00e-03	1.67e-03	-0.08	-1.65e-05	-7.55e-05	-7.48e-06
363	38	3.97e-04	3.08e-03	-0.07	-1.20e-05	-4.27e-05	-1.10e-05
363	45	1.62e-03	1.60e-03	-0.09	-1.85e-05	-6.44e-05	-7.35e-06
363	47	2.77e-03	1.18e-03	-0.07	2.12e-05	-7.47e-05	-1.20e-06
363	51	1.99e-03	1.87e-03	-0.07	2.29e-05	-5.89e-05	-2.98e-06
363	53	2.39e-03	1.57e-03	-0.07	3.16e-05	-6.29e-05	0.0
363	54	2.62e-03	1.34e-03	-0.07	2.53e-05	-7.00e-05	-1.10e-06
363	62	2.15e-03	1.84e-03	-0.08	1.03e-04	-3.61e-04	-1.20e-05
363	84	6.20e-03	-3.18e-04	-0.07	9.59e-05	-1.55e-04	1.68e-05
363	85	-9.61e-04	2.99e-03	-0.07	-4.52e-05	-1.92e-05	-1.90e-05
363	94	2.39e-03	1.56e-03	-0.08	6.11e-05	-1.99e-04	-5.86e-06
363	116	4.34e-03	5.45e-04	-0.07	5.91e-05	-1.10e-04	7.14e-06
363	117	9.04e-04	2.13e-03	-0.07	-8.44e-06	-3.04e-05	-9.35e-06

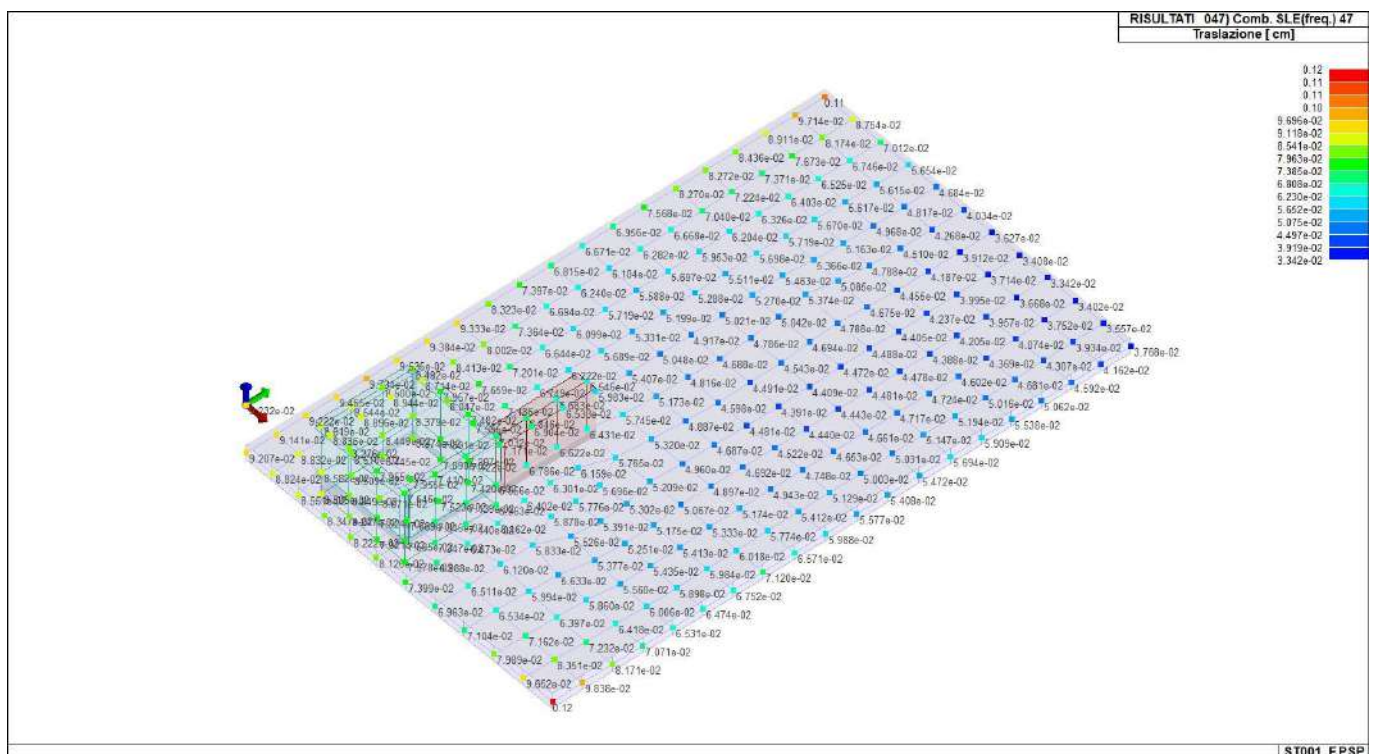
Nodo	Traslazione X	Traslazione Y	Traslazione Z	Rotazione X	Rotazione Y	Rotazione Z
	-0.14	-0.04	-0.22	-4.95e-04	-1.43e-03	-9.47e-05
	0.02	0.04	0.04	5.69e-04	1.03e-03	7.89e-05



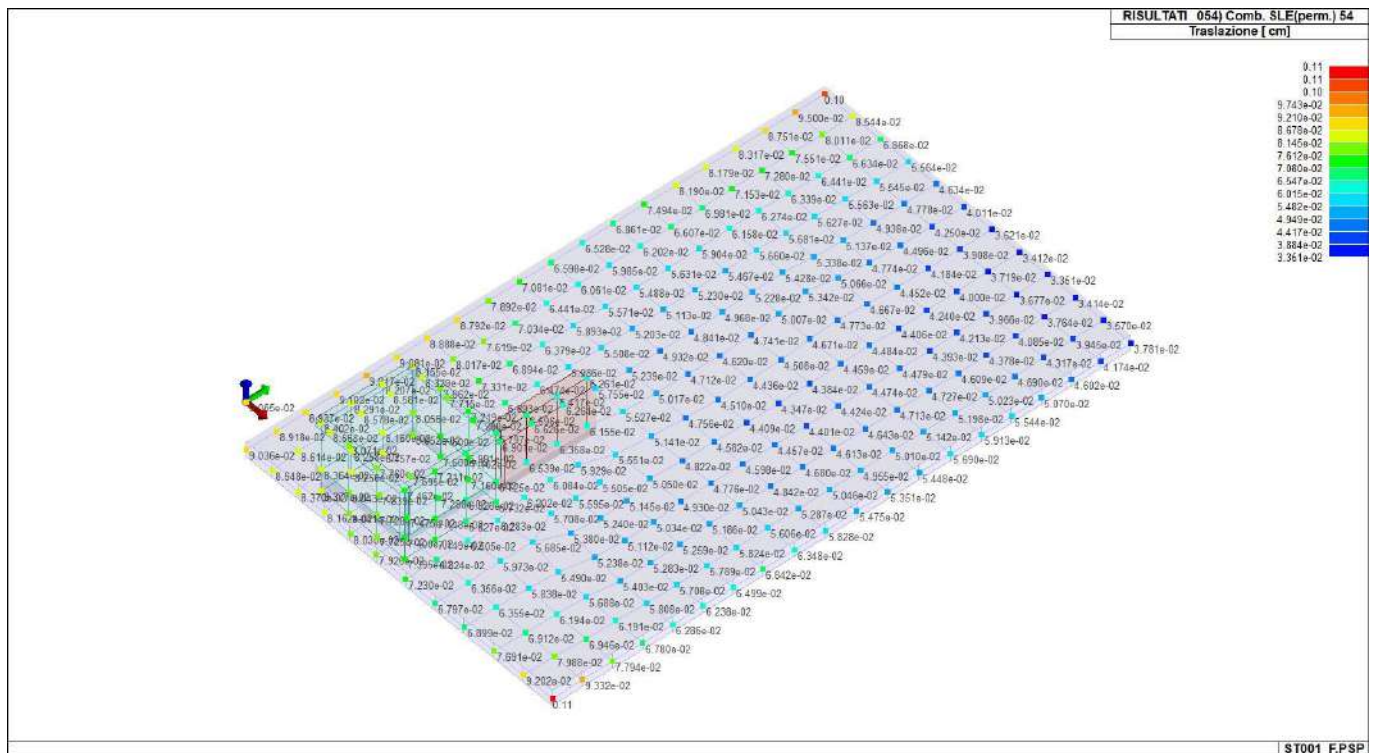
41_RIS_SPOSTAMENTI_026_Comb SLU A1 26



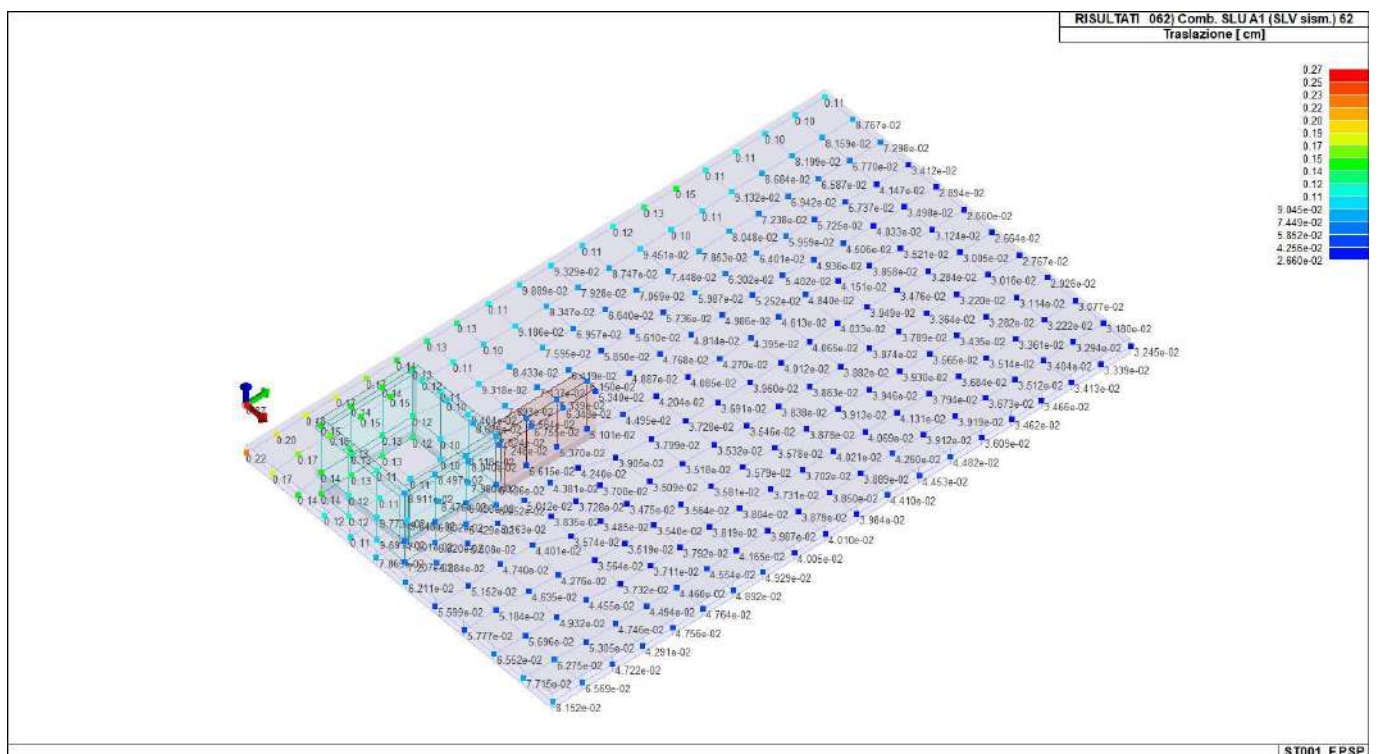
41_RIS_SPOSTAMENTI_045_Comb SLErara 45



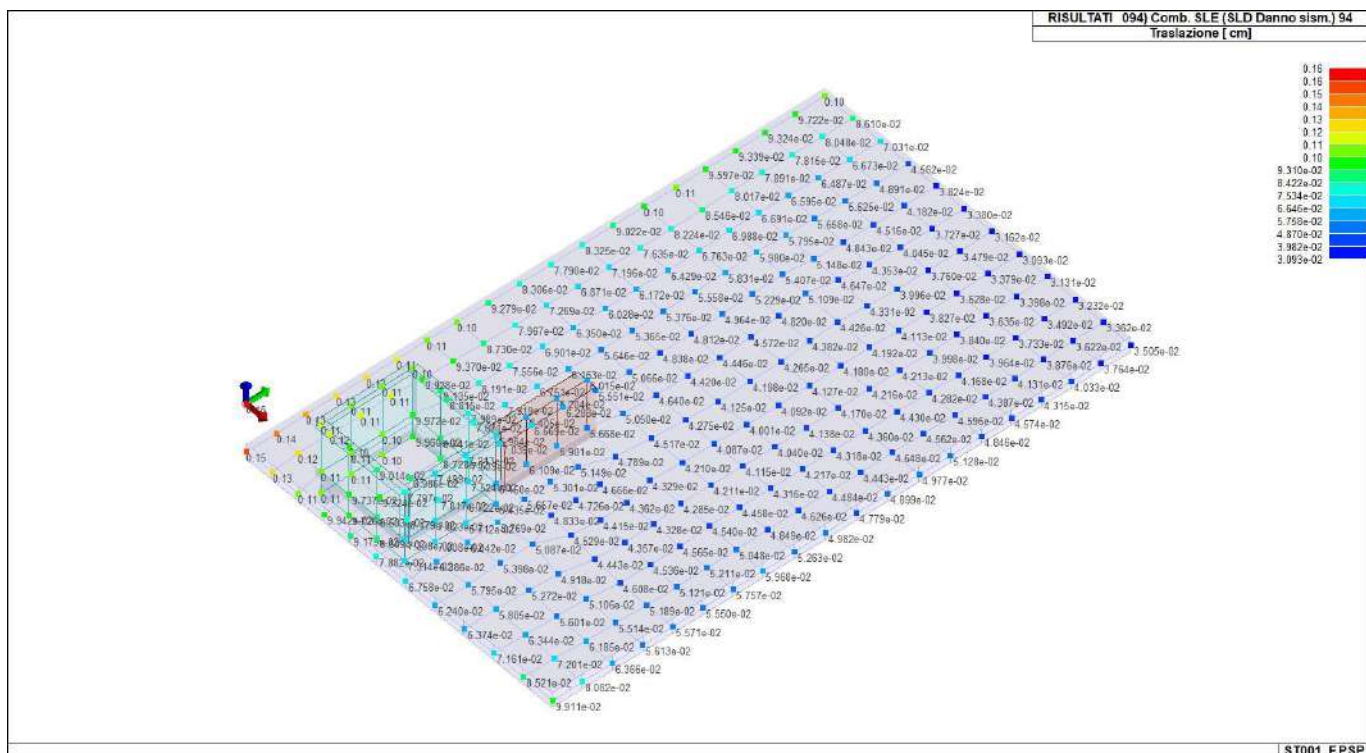
41_RIS_SPOSTAMENTI_047_Comb SLEfreq 47



41_RIS_SPOSTAMENTI_054_Comb SLEperm 54



41_RIS_SPOSTAMENTI_062_Comb SLU A1 SLV sism 62



41_RIS_SPOSTAMENTI_094_Comb SLE SLD Danno sism 94

Nodo	Cmb	Azione X daN	Azione Y daN	Azione Z daN	Azione RX daN cm	Azione RY daN cm	Azione RZ daN cm
Nodo		Azione X	Azione Y	Azione Z	Azione RX	Azione RY	Azione RZ
Nodo	Cmb	Azione X daN	Azione Y daN	Azione Z daN	Azione RX daN cm	Azione RY daN cm	Azione RZ daN cm

RISULTATI OPERE DI FONDAZIONE

LEGENDA RISULTATI OPERE DI FONDAZIONE

Il controllo dei risultati delle analisi condotte, per quanto concerne le opere di fondazione, è possibile in relazione alle tabelle sotto riportate.

La prima tabella è riferita alle fondazioni tipo palo e plinto su pali.

Per questo tipo di fondazione vengono riportate le sei componenti di sollecitazione (esprese nel riferimento globale della struttura) per ogni palo componente l'opera.

In particolare viene riportato:

Nodo	numero del nodo a cui è applicato il plinto
Tipo	codice corrispondente al nome assegnato al tipo di plinto di fondazione: 3) palo singolo (<i>PALO</i>) 4) plinto su palo 5) plinto su due pali (<i>PL.2P</i>) 6) plinto su tre pali (<i>PL.3P</i>) 7) plinto su quattro pali (<i>PL.4P</i>) 8) plinto rettangolare su cinque pali (<i>PL.5P.R</i>) 9) plinto pentagonale su cinque pali (<i>PL.5P</i>) 10) plinto su sei pali (<i>PL.6P</i>)
Palo	numero del palo
Comb.	combinazione di carico in cui si verificano le sei componenti di sollecitazione.
Quota	quota assoluta della sezione del palo per cui si riportano le sei componenti di sollecitazione.

L'azione F_z (corrispondente allo sforzo normale nel palo) è costante poiché il peso del palo stesso non è considerato nella modellazione.

La seconda tabella è riferita alle fondazioni tipo plinto su suolo elastico.

Per questo tipo di fondazione vengono riportate le pressioni nei quattro vertici dell'impronta sul terreno.

In particolare viene riportato:

Nodo	numero del nodo a cui è applicato il plinto
Tipo	Codice identificativo del nome assegnato al plinto
area	area dell'impronta del plinto
Wink O Wink V	coefficienti di Winkler (orizzontale e verticale) adottati
Comb	Combinazione di carico in cui si verificano i valori riportati
Pt (P1 P2 P3 P4)	valori di pressione nei vertici

La terza tabella è riferita alle fondazioni tipo platea su suolo elastico.

Per questo tipo di fondazione vengono riportate le pressioni in ogni vertice (nodo) degli elementi costituenti la platea.

La quarta tabella è riferita alle fondazioni tipo trave su suolo elastico.

Per questo tipo di fondazione vengono riportate le pressioni alle estremità dell'elemento e la massima (in valore assoluto) pressione lungo lo sviluppo dell'elemento.

Vengono inoltre riportati, con funzione statistica, i valori massimo e minimo delle pressioni che compaiono nella tabella.

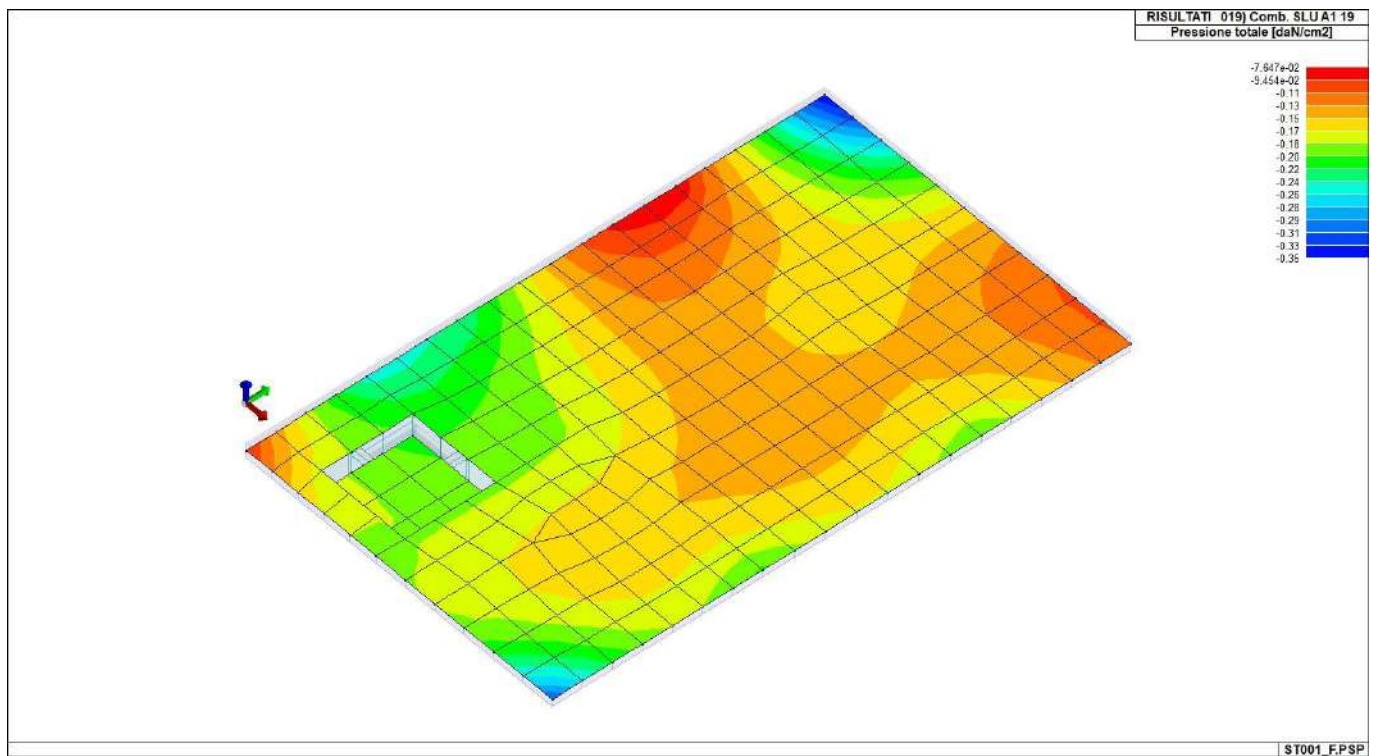
Nodo (G)	Pt 1/12	Pt 2/13	Pt 3...	Pt 4...	daN/cm2	daN/cm2	daN/cm2	daN/cm2	daN/cm2	daN/cm2	daN/cm2
99	-0.32	-0.25	-0.28	-0.27	-0.67	-0.45					
100	-0.36	-0.27	-0.24	-0.24	-0.32	-0.27					
101	-0.46	-0.34	-0.29	-0.28	-0.51	-0.38					
102	-0.35	-0.25	-0.21	-0.20	-0.23	-0.21					
103	-0.47	-0.34	-0.28	-0.26	-0.43	-0.34					
104	-0.34	-0.25	-0.19	-0.18	-0.22	-0.20					
105	-0.31	-0.23	-0.25	-0.25	-0.44	-0.33					
106	-0.29	-0.21	-0.16	-0.16	-0.18	-0.17					
107	-0.56	-0.40	-0.32	-0.31	-0.55	-0.42					
108	-0.60	-0.43	-0.36	-0.34	-0.49	-0.41					
109	-0.38	-0.28	-0.21	-0.21	-0.29	-0.24					
110	-0.33	-0.24	-0.18	-0.18	-0.25	-0.21					
111	-0.40	-0.29	-0.25	-0.24	-0.37	-0.30					
112	-0.36	-0.27	-0.26	-0.25	-0.42	-0.33					
113	-0.35	-0.26	-0.23	-0.22	-0.28	-0.25					
115	-0.35	-0.26	-0.24	-0.23	-0.30	-0.26					
117	-0.36	-0.27	-0.25	-0.24	-0.35	-0.29					
119	-0.35	-0.26	-0.22	-0.21	-0.25	-0.23					
121	-0.35	-0.25	-0.21	-0.21	-0.24	-0.22					
123	-0.37	-0.28	-0.26	-0.25	-0.40	-0.32					
125	-0.39	-0.29	-0.25	-0.24	-0.39	-0.31					
127	-0.38	-0.28	-0.24	-0.23	-0.30	-0.26					
129	-0.36	-0.27	-0.22	-0.21	-0.24	-0.23					
131	-0.35	-0.25	-0.20	-0.20	-0.23	-0.21					
133	-0.35	-0.25	-0.20	-0.19	-0.22	-0.20					
134	-0.21	-0.16	-0.11	-0.11	-0.14	-0.12					
135	-0.49	-0.35	-0.27	-0.26	-0.44	-0.34					
136	-0.41	-0.29	-0.22	-0.21	-0.34	-0.27					
137	-0.34	-0.24	-0.18	-0.17	-0.27	-0.21					
138	-0.29	-0.21	-0.15	-0.14	-0.21	-0.17					
139	-0.25	-0.18	-0.13	-0.12	-0.17	-0.14					
140	-0.23	-0.16	-0.11	-0.11	-0.14	-0.12					
141	-0.21	-0.15	-0.11	-0.10	-0.13	-0.11					
142	-0.20	-0.15	-0.10	-0.10	-0.12	-0.11					
143	-0.20	-0.15	-0.10	-0.10	-0.12	-0.11					
144	-0.21	-0.15	-0.11	-0.11	-0.12	-0.11					
145	-0.23	-0.17	-0.13	-0.13	-0.16	-0.14					
146	-0.26	-0.19	-0.14	-0.14	-0.18	-0.16					
147	-0.28	-0.21	-0.16	-0.15	-0.20	-0.18					
148	-0.31	-0.23	-0.17	-0.17	-0.23	-0.20					
149	-0.32	-0.23	-0.18	-0.17	-0.23	-0.20					
150	-0.30	-0.22	-0.17	-0.16	-0.21	-0.19					
151	-0.30	-0.22	-0.16	-0.16	-0.21	-0.18					
152	-0.31	-0.22	-0.17	-0.16	-0.21	-0.19					
153	-0.33	-0.24	-0.18	-0.17	-0.23	-0.20					
154	-0.35	-0.26	-0.20	-0.19	-0.27	-0.22					
155	-0.36	-0.26	-0.20	-0.19	-0.27	-0.23					
156	-0.35	-0.25	-0.19	-0.19	-0.26	-0.22					
157	-0.35	-0.25	-0.20	-0.19	-0.26	-0.22					
158	-0.37	-0.27	-0.21	-0.20	-0.28	-0.24					
159	-0.42	-0.31	-0.25	-0.23	-0.33	-0.28					
160	-0.50	-0.36	-0.30	-0.28	-0.40	-0.33					
161	-0.48	-0.35	-0.29	-0.28	-0.36	-0.31					
162	-0.40	-0.29	-0.24	-0.23	-0.30	-0.26					
163	-0.35	-0.26	-0.21	-0.21	-0.27	-0.24					
164	-0.33	-0.25	-0.21	-0.20	-0.27	-0.24					
165	-0.34	-0.25	-0.22	-0.22	-0.29	-0.25					
166	-0.36	-0.27	-0.25	-0.24	-0.34	-0.28					
167	-0.35	-0.26	-0.25	-0.24	-0.36	-0.30					
168	-0.34	-0.26	-0.26	-0.25	-0.43	-0.33					
169	-0.33	-0.25	-0.26	-0.26	-0.52	-0.38					
170	-0.35	-0.27	-0.27	-0.27	-0.60	-0.41					
171	-0.39	-0.29	-0.28	-0.27	-0.55	-0.39					
172	-0.42	-0.31	-0.28	-0.27	-0.52	-0.38					
173	-0.46	-0.34	-0.29	-0.27	-0.48	-0.36					
174	-0.46	-0.34	-0.28	-0.27	-0.45	-0.35					
175	-0.42	-0.31	-0.25	-0.24	-0.38	-0.30					
176	-0.37	-0.27	-0.22	-0.21	-0.33	-0.26					
177	-0.32	-0.24	-0.20	-0.20	-0.31	-0.25					
178	-0.30	-0.22	-0.20	-0.20	-0.32	-0.25					
179	-0.29	-0.21	-0.21	-0.21	-0.35	-0.27					
180	-0.29	-0.22	-0.23	-0.22	-0.40	-0.30					
181	-0.34	-0.25	-0.25	-0.25	-0.41	-0.32					
182	-0.37	-0.28	-0.25	-0.25	-0.38	-0.30					
183	-0.43	-0.31	-0.27	-0.26	-0.40	-0.32					

184	-0.49	-0.36	-0.29	-0.29	-0.46	-0.36
185	-0.35	-0.25	-0.22	-0.22	-0.30	-0.25
186	-0.28	-0.21	-0.19	-0.19	-0.28	-0.23
187	-0.29	-0.21	-0.18	-0.18	-0.26	-0.22
188	-0.31	-0.22	-0.19	-0.18	-0.26	-0.21
189	-0.34	-0.25	-0.20	-0.19	-0.27	-0.23
190	-0.38	-0.28	-0.27	-0.26	-0.47	-0.35
191	-0.34	-0.25	-0.19	-0.19	-0.25	-0.22
192	-0.32	-0.23	-0.18	-0.17	-0.24	-0.20
193	-0.32	-0.23	-0.18	-0.17	-0.23	-0.20
194	-0.30	-0.22	-0.16	-0.16	-0.20	-0.18
195	-0.28	-0.21	-0.15	-0.15	-0.19	-0.17
196	-0.28	-0.20	-0.15	-0.15	-0.19	-0.16
197	-0.28	-0.20	-0.15	-0.15	-0.19	-0.17
198	-0.26	-0.19	-0.14	-0.14	-0.18	-0.16
199	-0.22	-0.16	-0.11	-0.11	-0.13	-0.12
200	-0.22	-0.16	-0.11	-0.11	-0.14	-0.12
201	-0.24	-0.17	-0.12	-0.12	-0.15	-0.13
202	-0.26	-0.18	-0.13	-0.13	-0.17	-0.15
203	-0.28	-0.20	-0.15	-0.14	-0.19	-0.17
204	-0.32	-0.23	-0.17	-0.17	-0.23	-0.20
205	-0.43	-0.31	-0.26	-0.25	-0.40	-0.32
206	-0.40	-0.30	-0.27	-0.26	-0.45	-0.34
207	-0.42	-0.31	-0.27	-0.26	-0.43	-0.34
208	-0.35	-0.27	-0.26	-0.26	-0.50	-0.37
209	-0.38	-0.27	-0.22	-0.21	-0.30	-0.25
210	-0.42	-0.31	-0.25	-0.24	-0.37	-0.30
211	-0.31	-0.23	-0.17	-0.17	-0.22	-0.19
212	-0.37	-0.27	-0.21	-0.20	-0.29	-0.24
213	-0.38	-0.28	-0.23	-0.23	-0.32	-0.27
214	-0.24	-0.18	-0.13	-0.13	-0.16	-0.14
215	-0.22	-0.16	-0.11	-0.11	-0.13	-0.12
216	-0.32	-0.24	-0.18	-0.17	-0.23	-0.20
217	-0.28	-0.21	-0.20	-0.20	-0.31	-0.25
218	-0.29	-0.21	-0.16	-0.15	-0.20	-0.17
219	-0.32	-0.24	-0.22	-0.21	-0.31	-0.26
220	-0.28	-0.20	-0.15	-0.15	-0.19	-0.17
221	-0.32	-0.24	-0.20	-0.19	-0.25	-0.22
222	-0.37	-0.27	-0.22	-0.21	-0.28	-0.24
223	-0.33	-0.24	-0.20	-0.19	-0.25	-0.22
224	-0.41	-0.30	-0.24	-0.23	-0.34	-0.28
225	-0.33	-0.24	-0.18	-0.17	-0.23	-0.20
226	-0.30	-0.22	-0.21	-0.21	-0.32	-0.26
227	-0.29	-0.21	-0.16	-0.16	-0.20	-0.17
228	-0.36	-0.27	-0.21	-0.21	-0.27	-0.24
229	-0.36	-0.27	-0.24	-0.24	-0.34	-0.28
230	-0.37	-0.27	-0.24	-0.23	-0.32	-0.27
231	-0.43	-0.31	-0.25	-0.24	-0.37	-0.30
232	-0.23	-0.16	-0.12	-0.12	-0.14	-0.13
233	-0.42	-0.31	-0.25	-0.24	-0.32	-0.28
234	-0.33	-0.25	-0.21	-0.20	-0.26	-0.23
235	-0.25	-0.18	-0.13	-0.13	-0.16	-0.14
236	-0.26	-0.19	-0.14	-0.13	-0.17	-0.15
237	-0.26	-0.19	-0.14	-0.14	-0.17	-0.15
238	-0.28	-0.20	-0.17	-0.16	-0.21	-0.18
239	-0.27	-0.19	-0.14	-0.14	-0.17	-0.15
240	-0.29	-0.21	-0.17	-0.17	-0.21	-0.19
241	-0.28	-0.20	-0.15	-0.15	-0.18	-0.16
242	-0.30	-0.22	-0.17	-0.16	-0.22	-0.19
243	-0.23	-0.17	-0.12	-0.12	-0.15	-0.13
244	-0.32	-0.23	-0.18	-0.18	-0.22	-0.20
245	-0.27	-0.20	-0.15	-0.15	-0.18	-0.16
246	-0.27	-0.20	-0.17	-0.17	-0.22	-0.19
247	-0.26	-0.19	-0.14	-0.14	-0.17	-0.15
248	-0.29	-0.21	-0.16	-0.16	-0.21	-0.18
249	-0.39	-0.28	-0.23	-0.22	-0.31	-0.26
250	-0.31	-0.22	-0.17	-0.17	-0.21	-0.19
251	-0.23	-0.17	-0.12	-0.12	-0.14	-0.13
252	-0.35	-0.25	-0.20	-0.19	-0.25	-0.22
253	-0.40	-0.29	-0.24	-0.23	-0.34	-0.28
254	-0.25	-0.18	-0.13	-0.13	-0.16	-0.14
255	-0.29	-0.21	-0.16	-0.15	-0.19	-0.17
256	-0.30	-0.21	-0.16	-0.16	-0.21	-0.18
257	-0.26	-0.19	-0.14	-0.14	-0.17	-0.15
258	-0.28	-0.20	-0.18	-0.18	-0.24	-0.20
259	-0.26	-0.19	-0.14	-0.14	-0.17	-0.15
260	-0.32	-0.23	-0.19	-0.19	-0.24	-0.21

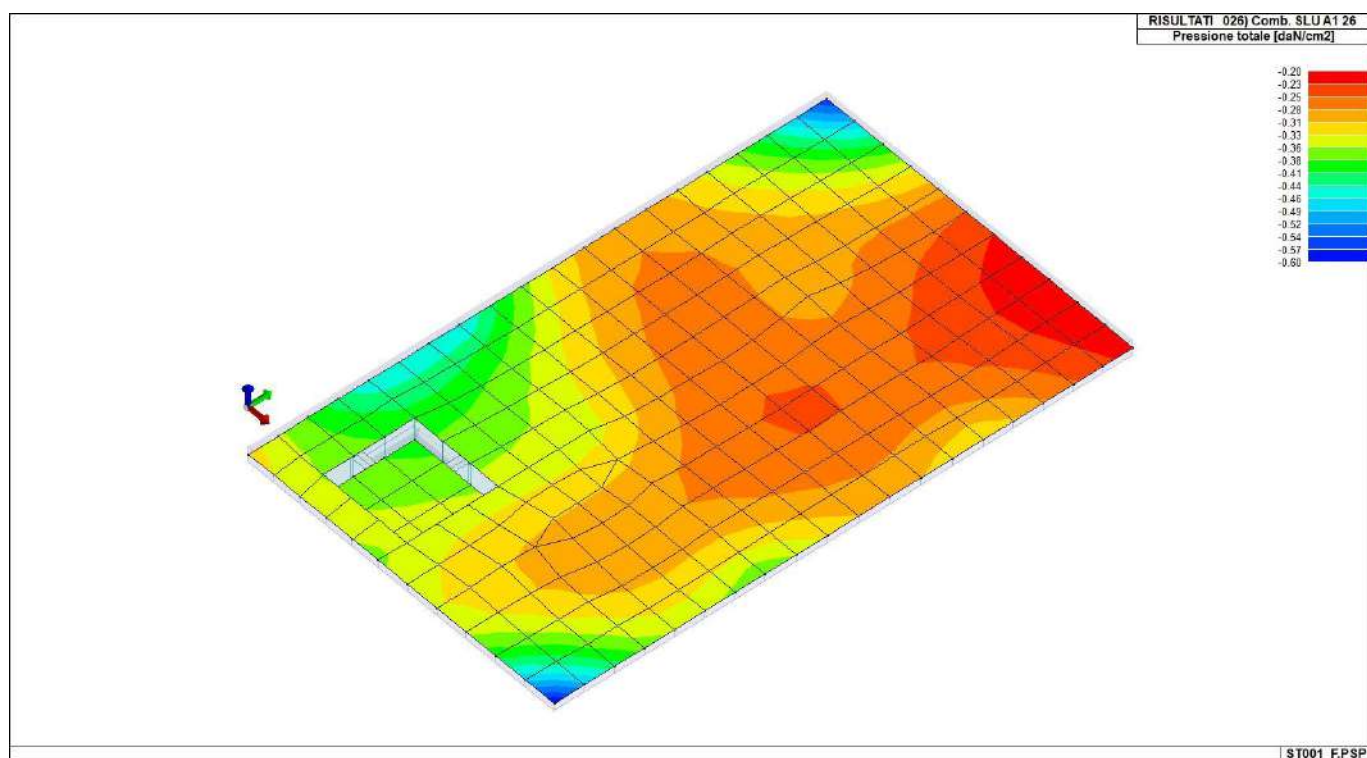
261	-0.37	-0.27	-0.22	-0.21	-0.28	-0.24
262	-0.29	-0.21	-0.16	-0.16	-0.20	-0.18
263	-0.31	-0.23	-0.18	-0.17	-0.23	-0.20
264	-0.29	-0.21	-0.19	-0.18	-0.24	-0.21
265	-0.30	-0.22	-0.19	-0.19	-0.24	-0.21
266	-0.27	-0.19	-0.14	-0.14	-0.17	-0.16
267	-0.35	-0.26	-0.23	-0.22	-0.28	-0.25
268	-0.31	-0.23	-0.18	-0.18	-0.23	-0.20
269	-0.36	-0.26	-0.23	-0.22	-0.25	-0.23
270	-0.32	-0.24	-0.20	-0.20	-0.25	-0.22
271	-0.31	-0.23	-0.18	-0.18	-0.24	-0.21
272	-0.34	-0.25	-0.20	-0.19	-0.25	-0.22
273	-0.23	-0.17	-0.12	-0.12	-0.15	-0.13
274	-0.33	-0.24	-0.19	-0.19	-0.25	-0.21
275	-0.27	-0.20	-0.15	-0.14	-0.17	-0.16
276	-0.26	-0.18	-0.14	-0.13	-0.16	-0.15
277	-0.25	-0.18	-0.13	-0.13	-0.16	-0.14
278	-0.27	-0.20	-0.16	-0.15	-0.17	-0.16
279	-0.28	-0.20	-0.16	-0.16	-0.17	-0.16
280	-0.26	-0.19	-0.14	-0.13	-0.17	-0.15
281	-0.30	-0.22	-0.17	-0.17	-0.18	-0.17
282	-0.28	-0.21	-0.16	-0.15	-0.18	-0.16
283	-0.26	-0.19	-0.14	-0.14	-0.17	-0.15
284	-0.25	-0.18	-0.13	-0.13	-0.16	-0.14
285	-0.27	-0.20	-0.16	-0.16	-0.18	-0.17
286	-0.25	-0.18	-0.13	-0.13	-0.16	-0.14
287	-0.28	-0.21	-0.16	-0.15	-0.21	-0.18
288	-0.35	-0.26	-0.20	-0.19	-0.23	-0.21
289	-0.28	-0.20	-0.15	-0.15	-0.19	-0.17
290	-0.29	-0.21	-0.16	-0.16	-0.21	-0.18
291	-0.33	-0.24	-0.19	-0.18	-0.21	-0.19
292	-0.25	-0.19	-0.14	-0.13	-0.16	-0.15
293	-0.28	-0.21	-0.17	-0.17	-0.19	-0.18
294	-0.27	-0.20	-0.15	-0.14	-0.18	-0.16
295	-0.37	-0.27	-0.22	-0.21	-0.25	-0.23
296	-0.28	-0.20	-0.17	-0.16	-0.19	-0.18
297	-0.28	-0.21	-0.16	-0.15	-0.20	-0.17
298	-0.25	-0.18	-0.14	-0.13	-0.16	-0.15
299	-0.29	-0.21	-0.17	-0.17	-0.19	-0.18
300	-0.25	-0.18	-0.13	-0.13	-0.16	-0.14
301	-0.30	-0.22	-0.17	-0.17	-0.23	-0.20
302	-0.32	-0.24	-0.19	-0.19	-0.24	-0.21
303	-0.24	-0.18	-0.13	-0.13	-0.15	-0.14
304	-0.30	-0.22	-0.17	-0.17	-0.19	-0.18
305	-0.38	-0.27	-0.23	-0.22	-0.28	-0.24
306	-0.29	-0.22	-0.17	-0.16	-0.22	-0.19
307	-0.25	-0.18	-0.13	-0.13	-0.16	-0.15
308	-0.27	-0.20	-0.15	-0.15	-0.16	-0.15
309	-0.25	-0.18	-0.13	-0.13	-0.16	-0.14
310	-0.27	-0.19	-0.15	-0.15	-0.15	-0.15
311	-0.35	-0.25	-0.20	-0.19	-0.21	-0.20
312	-0.29	-0.21	-0.16	-0.15	-0.20	-0.17
313	-0.29	-0.21	-0.16	-0.16	-0.17	-0.16
314	-0.28	-0.21	-0.15	-0.15	-0.18	-0.16
315	-0.29	-0.21	-0.16	-0.16	-0.17	-0.17
316	-0.26	-0.19	-0.14	-0.14	-0.17	-0.15
317	-0.27	-0.19	-0.14	-0.14	-0.18	-0.16
318	-0.26	-0.19	-0.14	-0.13	-0.17	-0.15
319	-0.36	-0.26	-0.21	-0.20	-0.21	-0.21
320	-0.27	-0.19	-0.15	-0.15	-0.16	-0.15
321	-0.25	-0.18	-0.13	-0.13	-0.16	-0.14
322	-0.29	-0.21	-0.16	-0.16	-0.21	-0.18
323	-0.32	-0.23	-0.18	-0.17	-0.19	-0.18
324	-0.28	-0.20	-0.16	-0.16	-0.17	-0.16
325	-0.26	-0.19	-0.14	-0.13	-0.16	-0.15
326	-0.29	-0.21	-0.16	-0.15	-0.21	-0.18
327	-0.28	-0.20	-0.15	-0.14	-0.19	-0.16
328	-0.36	-0.26	-0.22	-0.21	-0.22	-0.21
329	-0.33	-0.24	-0.19	-0.19	-0.24	-0.21
330	-0.25	-0.18	-0.13	-0.13	-0.16	-0.15
331	-0.29	-0.21	-0.16	-0.16	-0.17	-0.17
332	-0.29	-0.21	-0.17	-0.16	-0.22	-0.19
333	-0.33	-0.24	-0.19	-0.18	-0.24	-0.21
334	-0.25	-0.18	-0.13	-0.13	-0.16	-0.14
335	-0.27	-0.19	-0.14	-0.14	-0.16	-0.15
336	-0.26	-0.19	-0.14	-0.14	-0.16	-0.15
337	-0.26	-0.19	-0.14	-0.14	-0.16	-0.15

338	-0.29	-0.21	-0.16	-0.15	-0.18	-0.16
339	-0.27	-0.20	-0.15	-0.14	-0.18	-0.16
340	-0.26	-0.19	-0.14	-0.14	-0.16	-0.15
341	-0.26	-0.19	-0.14	-0.14	-0.16	-0.15
342	-0.28	-0.20	-0.15	-0.15	-0.17	-0.16
343	-0.27	-0.19	-0.14	-0.14	-0.17	-0.15
344	-0.31	-0.23	-0.17	-0.17	-0.20	-0.18
345	-0.29	-0.21	-0.16	-0.15	-0.20	-0.17
346	-0.27	-0.20	-0.15	-0.14	-0.18	-0.16
347	-0.31	-0.22	-0.17	-0.17	-0.22	-0.19
348	-0.31	-0.22	-0.18	-0.17	-0.23	-0.20
349	-0.33	-0.24	-0.18	-0.18	-0.23	-0.20
350	-0.31	-0.23	-0.17	-0.17	-0.22	-0.19
351	-0.31	-0.22	-0.17	-0.17	-0.23	-0.19
352	-0.35	-0.25	-0.21	-0.20	-0.23	-0.21
353	-0.40	-0.29	-0.25	-0.24	-0.37	-0.30
354	-0.36	-0.27	-0.26	-0.25	-0.42	-0.33
355	-0.35	-0.26	-0.23	-0.22	-0.28	-0.25
356	-0.35	-0.26	-0.24	-0.23	-0.30	-0.26
357	-0.36	-0.27	-0.25	-0.24	-0.35	-0.29
358	-0.35	-0.26	-0.22	-0.21	-0.25	-0.23
359	-0.35	-0.25	-0.21	-0.21	-0.24	-0.22
360	-0.37	-0.28	-0.26	-0.25	-0.40	-0.32
361	-0.38	-0.29	-0.25	-0.24	-0.38	-0.31
362	-0.38	-0.28	-0.24	-0.23	-0.30	-0.26
363	-0.36	-0.27	-0.22	-0.21	-0.24	-0.23

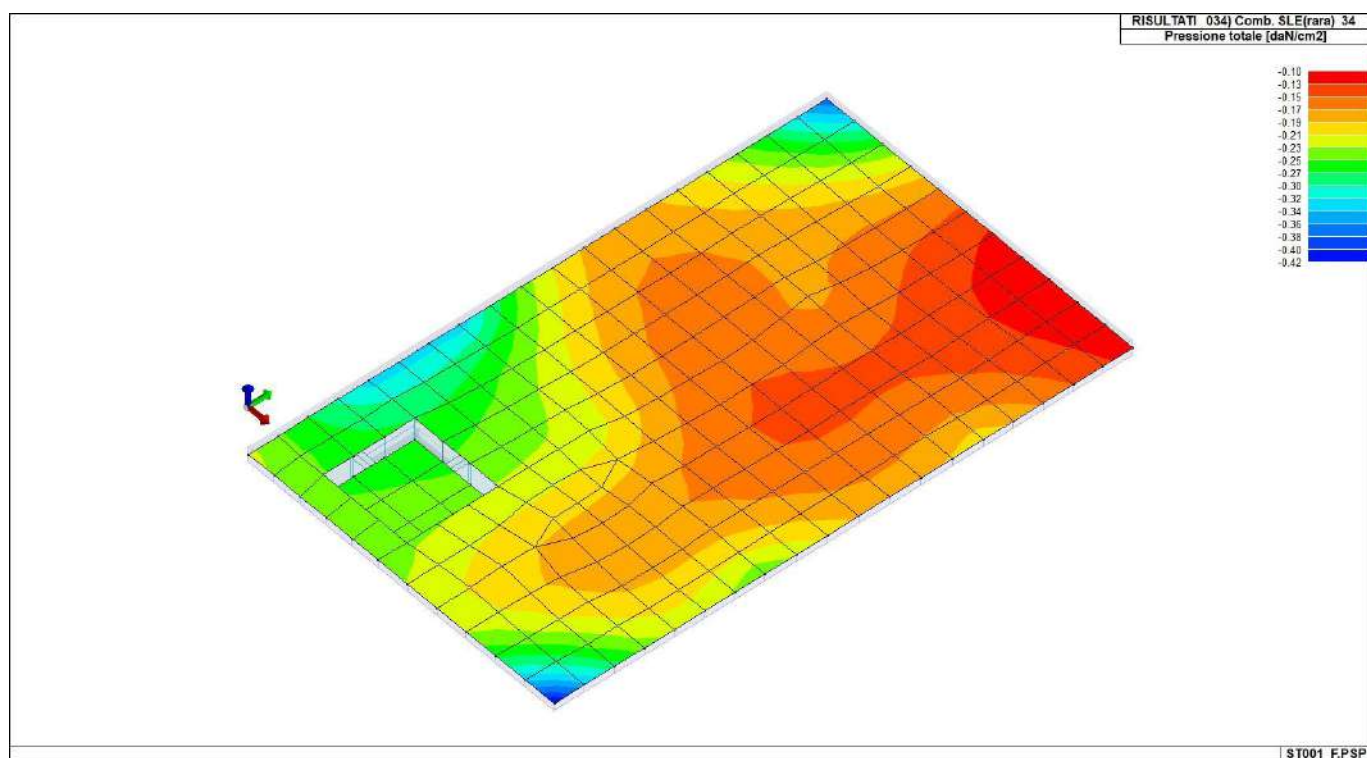
Nodo (G)	Pt 1/12	Pt 2/13	Pt 3...	Pt 4...
	-0.67			
	-0.10			



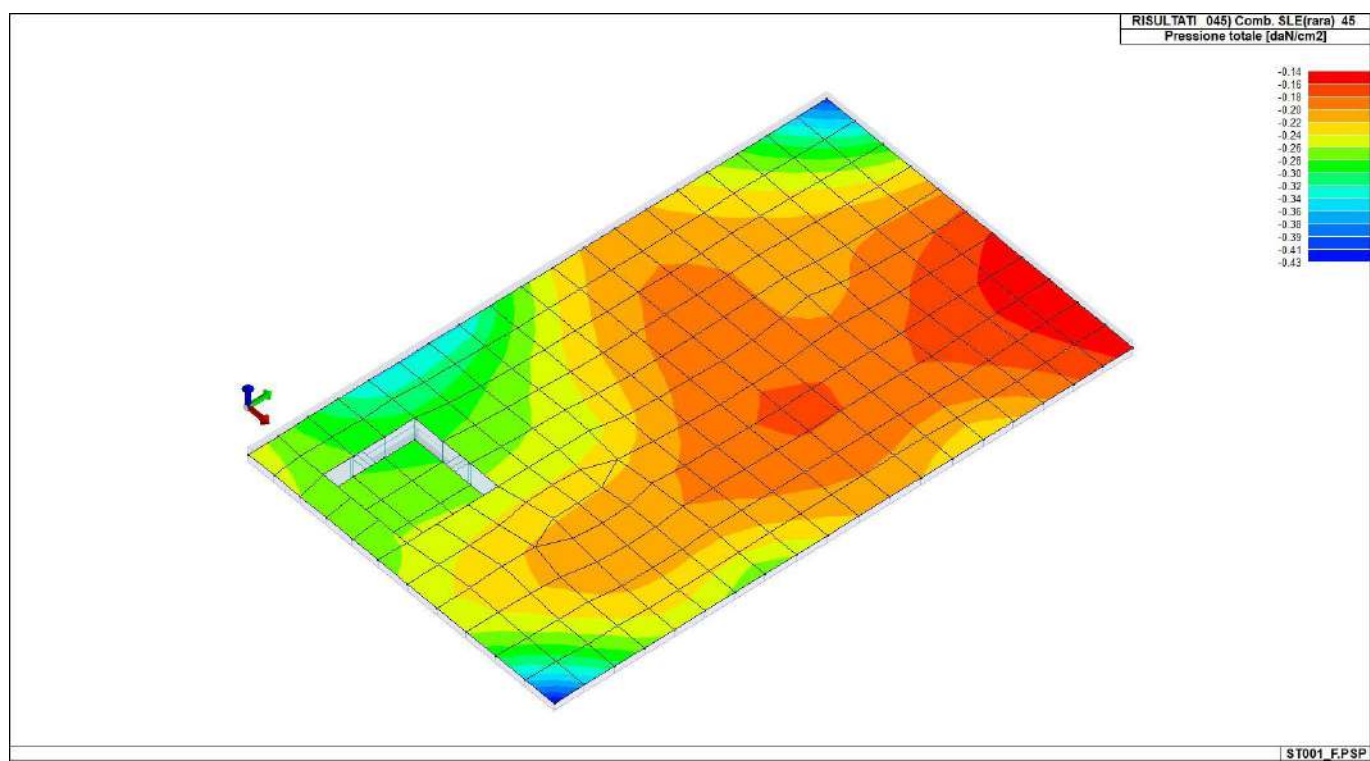
46_RIS_PRESSIONI_019_Comb SLU A1 19



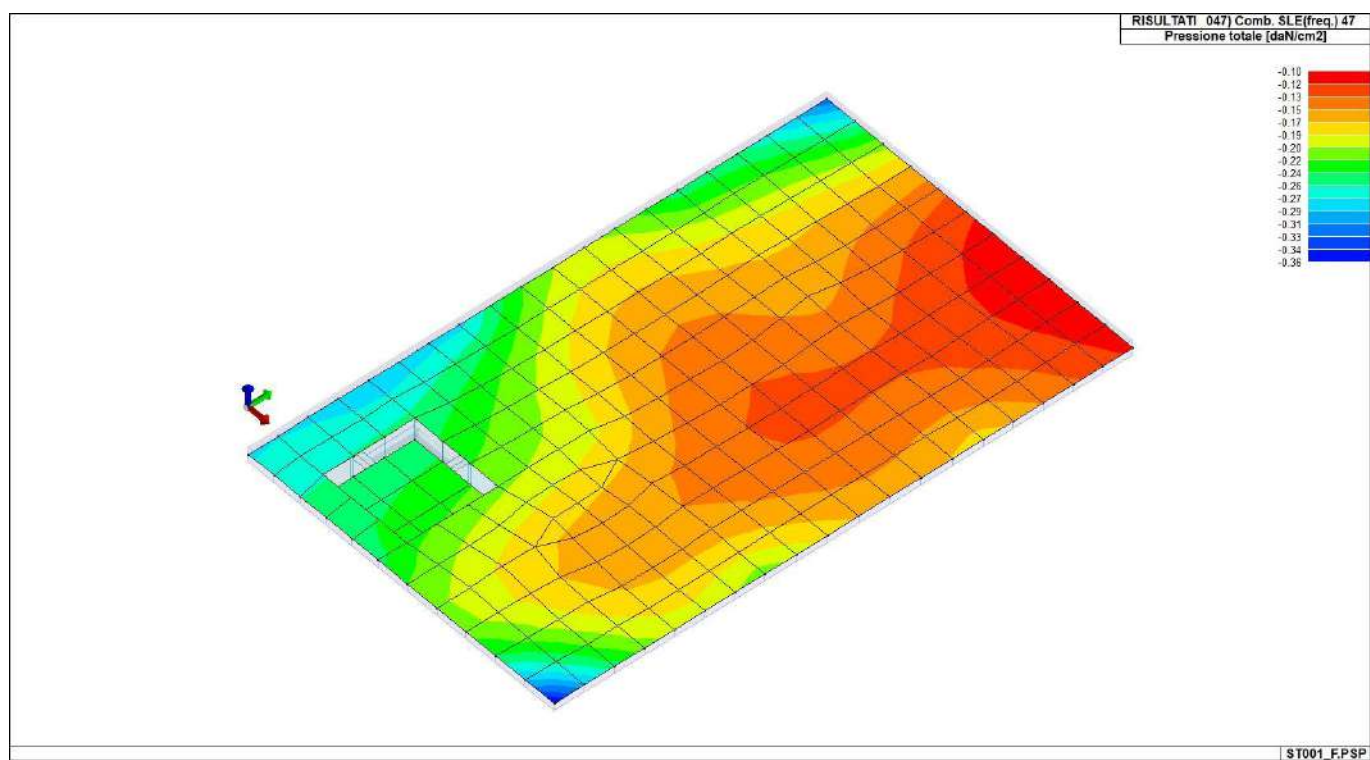
46_RIS_PRESSIONI_026_Comb SLU A1 26



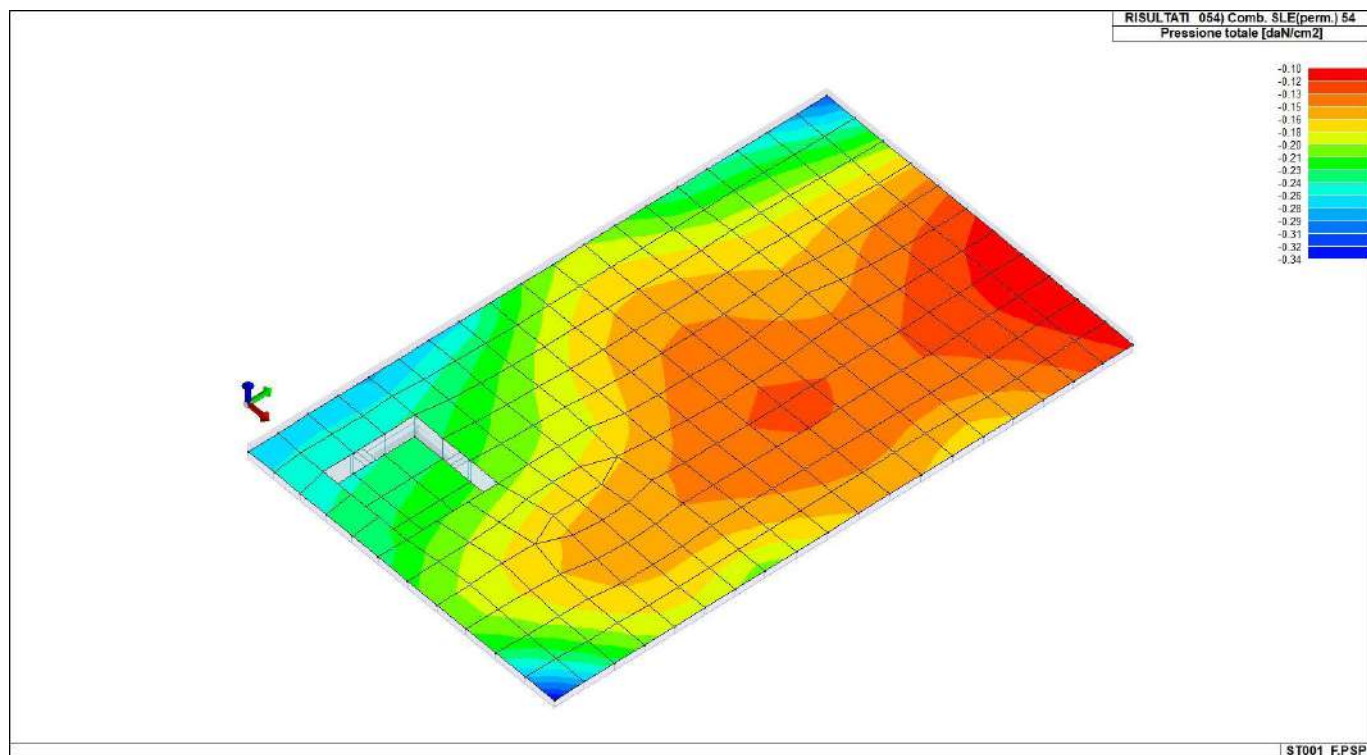
46_RIS_PRESSIONI_034_Comb SLErara 34



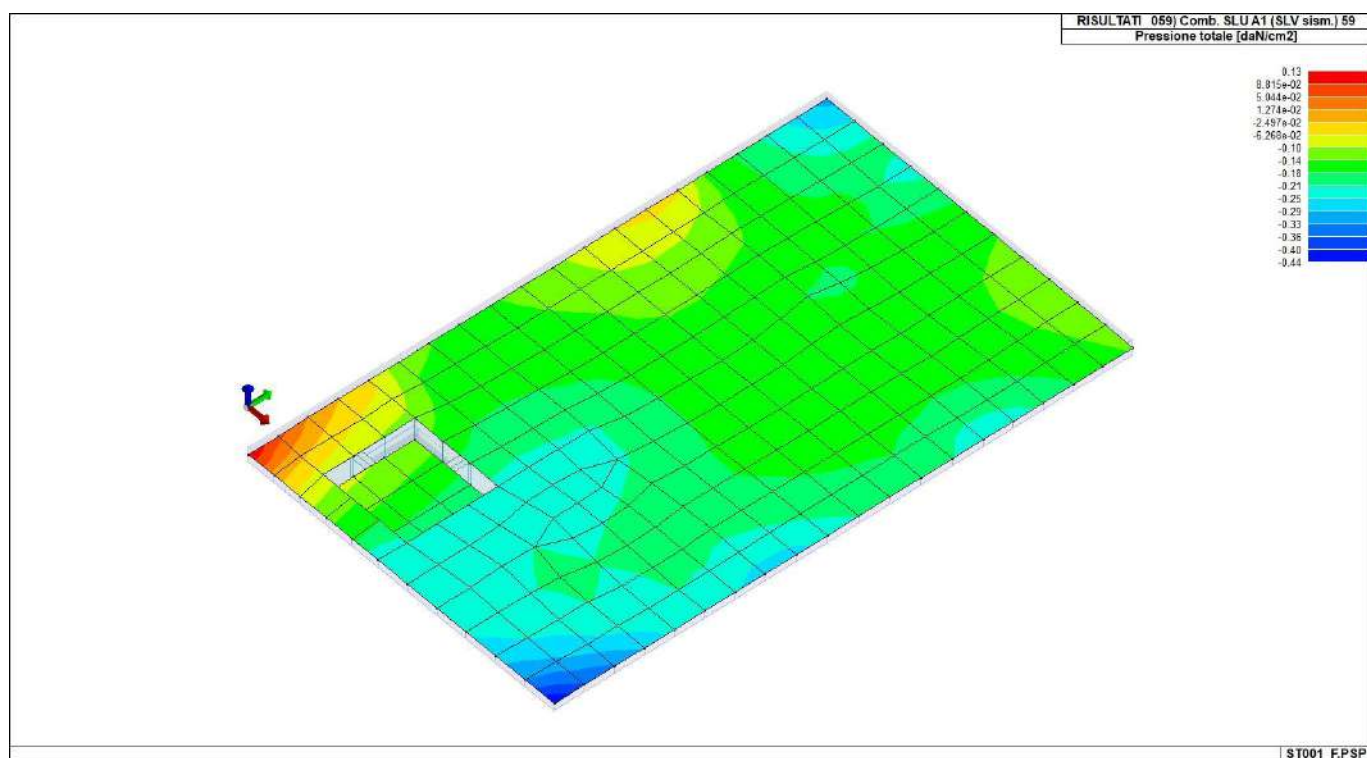
46_RIS_PRESSIONI_045_Comb SLErara 45



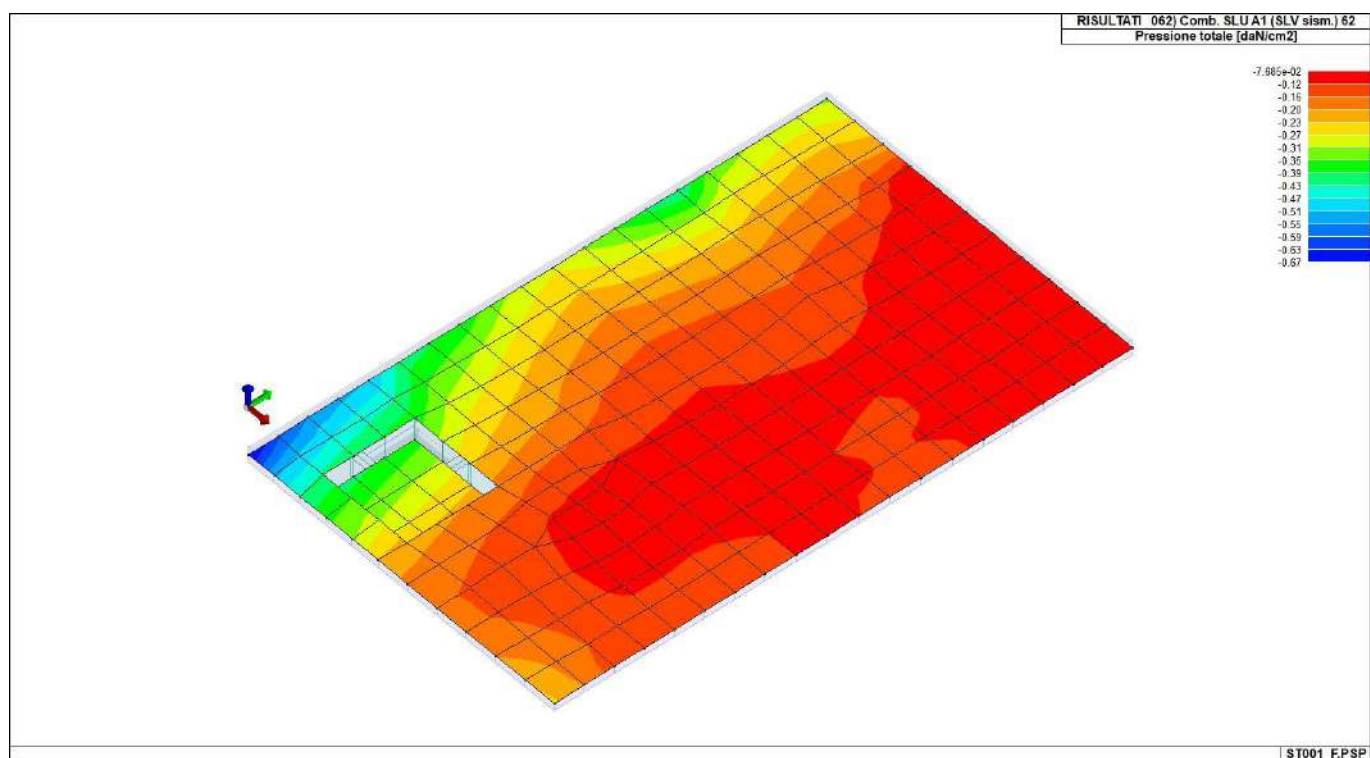
46_RIS_PRESSIONI_047_Comb SLEfreq 47



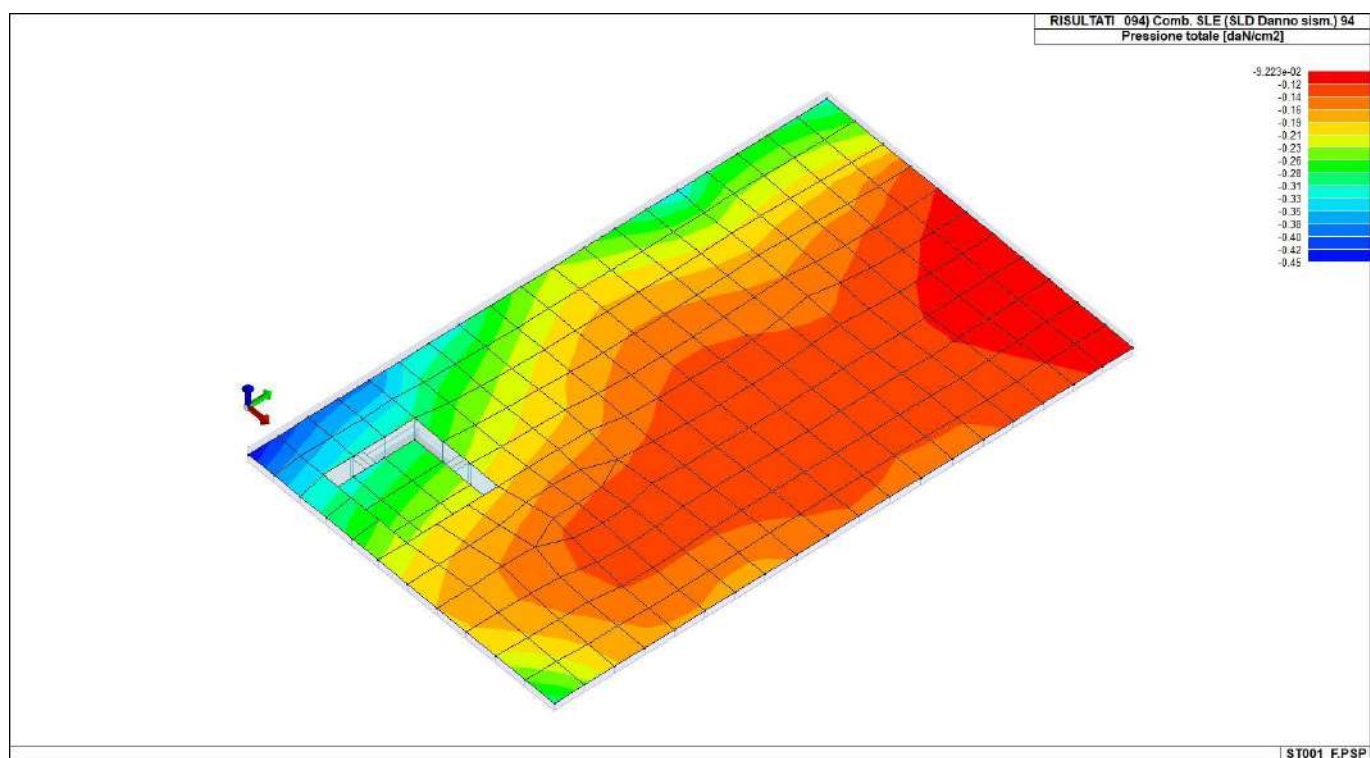
46_RIS_PRESSIONI_054_Comb SLEperm 54



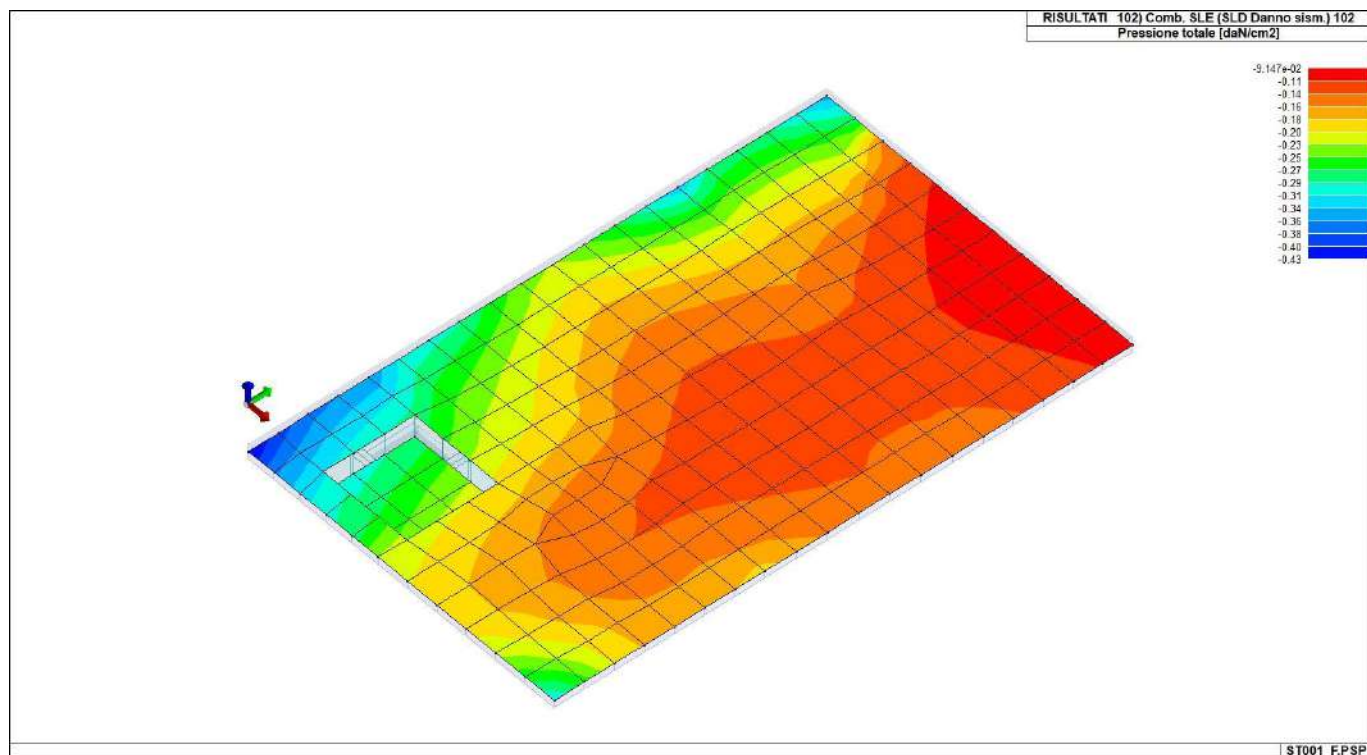
46_RIS_PRESSIONI_059_Comb SLU A1 SLV sism 59



46_RIS_PRESSIONI_062_Comb SLU A1 SLV sism 62



46_RIS_PRESSIONI_094_Comb SLE SLD Danno sism 94



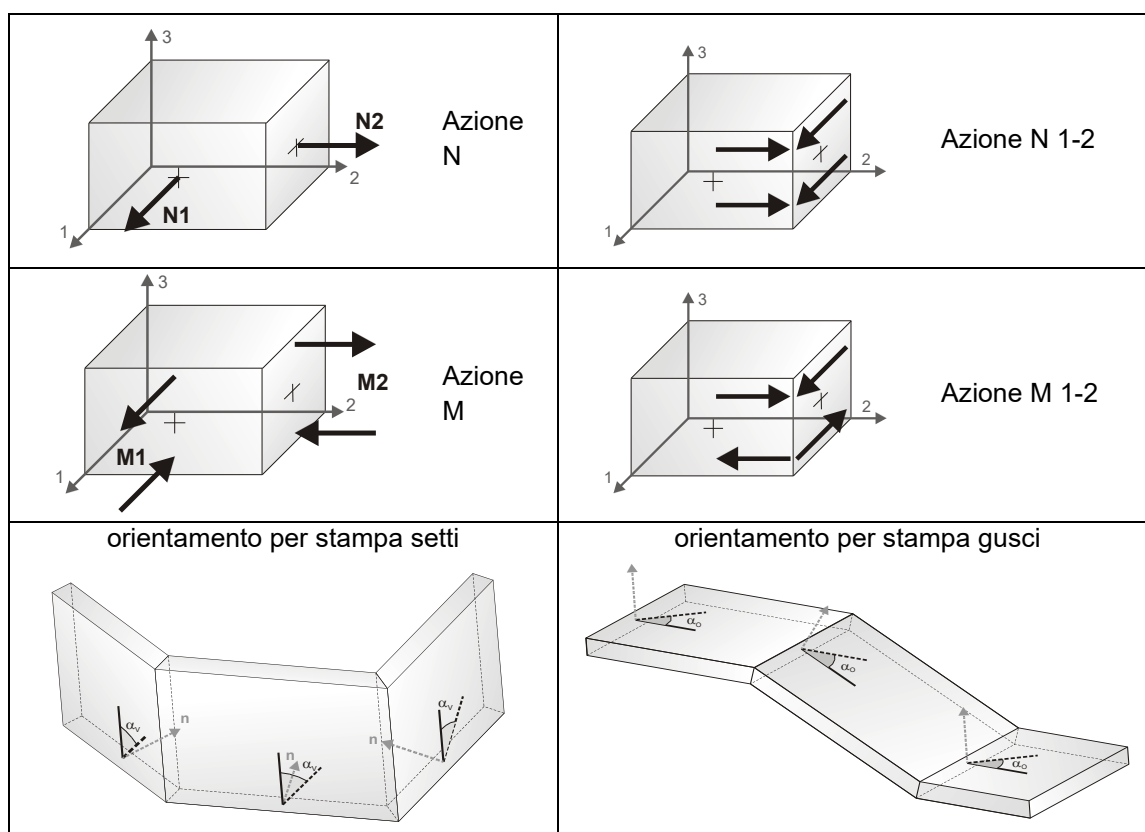
46_RIS_PRESSIONI_102_Comb SLE SLD Danno sism 102

RISULTATI ELEMENTI TIPO SHELL

LEGENDA RISULTATI ELEMENTI TIPO SHELL

Il controllo dei risultati delle analisi condotte, per quanto concerne gli elementi tipo shell, è possibile in relazione alle tabelle sottoriportate.

Per ogni elemento, e per ogni combinazione(o caso di carico) vengono riportati i risultati più significativi.



In particolare vengono riportati in ogni nodo di un elemento per ogni combinazione:

tensione di Von Mises		(valore riassuntivo del complessivo stato di sollecitazione)
N max		sforzo membranale principale massimo
N min		sforzo membranale principale minimo
M max		sforzo flessionale principale massimo
M min		sforzo flessionale principale minimo
N1	N2	sforzi membranali e flessionali in direzione locale 1 e 2 dell'elemento (lo sforzo 2-1 è uguale allo sforzo 1-2 per la reciprocità delle tensioni tangenziali)
N1-2	M1	
M2	M1-2	

I suddetti risultati possono a scelta del progettista essere preceduti o sostituiti da valori di sollecitazione non più riferiti al sistema locale dell'elemento ma al sistema globale.

In questo caso gli elementi vengono raggruppati in gruppi (M_S: macro gusci o macro setti, raggruppati per materiale, spessore, e posizione fisica) per la valutazione dei valori mediati ai nodi appartenenti agli elementi dei gruppi stessi. I valori di sollecitazione sono, in questo caso, riferiti ad una terna specifica del gruppo ruotata di α_o attorno all'asse Z per i gusci e ruotata di α_v attorno alla normale (che per definizione è orizzontale) al piano del setto.

Per i setti, in particolare, se α_v è zero, l'asse '1-1 rappresenta la verticale e l'asse '2-2 l'orizzontale contenuta nel setto.

Le azioni sui setti possono essere espresse anche con formato macro, cioè riferite all'intero macroelemento.

In particolare vengono riportati per ogni quota Z dei nodi e per ogni combinazione i seguenti valori:

N memb.	Azione membranale complessiva agente sulla parete in direzione Z
V memb.	Azione complessiva di taglio agente nel piano del macroelemento
V orto	Azione complessiva di taglio agente in direzione perpendicolare al macroelemento
M memb.	Azione flessionale complessiva agente nel piano del macroelemento
M orto	Azione flessionale complessiva agente in direzione perpendicolare al macroelemento
T	Azione torsionale complessiva agente nel piano orizzontale

Macro	Tipo	Angolo 1-Z (gradi)
1	Setto	0.0

M_S	Cmb	Z cm	N memb. daN	V memb. daN	V orto daN	M memb. daN cm	M orto daN cm	T daN cm
1	18	-137.00	-1671.81	-5078.19	915.45	-7.074e+04	-1.422e+04	-1.262e+04
1	18	-95.00	-1950.29	-4014.91	915.45	-2.716e+05	1.889e+04	-4.193e+04
1	18	0.0	-1769.87	-121.52	163.44	-7.863e+04	4267.90	-2.200e+04
1	19	-137.00	-895.42	-3482.53	229.36	-4.825e+04	-6480.70	-9016.30
1	19	-95.00	-1055.30	-2591.35	229.36	-1.774e+05	-939.75	-2.992e+04
1	19	0.0	-1135.42	-148.23	-16.85	-4.120e+04	-24.79	-1.532e+04
1	26	-137.00	-2083.43	-4143.50	1243.18	-5.751e+04	-1.917e+04	-9765.05
1	26	-95.00	-2343.50	-3460.21	1243.18	-2.295e+05	2.909e+04	-3.295e+04
1	26	0.0	-1771.02	-26.36	272.52	-7.616e+04	6816.75	-1.724e+04
1	38	-137.00	-989.05	-2776.48	395.07	-3.814e+04	-8259.65	-6801.48
1	38	-95.00	-1153.71	-2191.94	395.07	-1.464e+05	5335.58	-2.301e+04
1	38	0.0	-1149.77	-69.73	42.28	-4.014e+04	1383.98	-1.168e+04
1	41	-137.00	-1245.96	-3497.73	689.60	-4.853e+04	-1.083e+04	-8553.68
1	41	-95.00	-1452.15	-2812.24	689.60	-1.886e+05	1.455e+04	-2.860e+04
1	41	0.0	-1324.56	-65.67	126.19	-5.632e+04	3309.81	-1.493e+04
1	45	-137.00	-1520.37	-2874.61	908.09	-3.972e+04	-1.413e+04	-6647.19
1	45	-95.00	-1714.29	-2442.44	908.09	-1.606e+05	2.135e+04	-2.261e+04
1	45	0.0	-1325.33	-2.23	198.91	-5.467e+04	5009.04	-1.177e+04
1	47	-137.00	-1280.29	-1680.88	877.60	-2.258e+04	-1.291e+04	-3160.27
1	47	-95.00	-1474.38	-1675.94	877.60	-1.037e+05	2.288e+04	-1.168e+04
1	47	0.0	-1238.82	92.51	205.80	-4.411e+04	5207.96	-5814.69
1	51	-137.00	-1095.28	-1527.41	630.09	-2.023e+04	-1.071e+04	-2950.76
1	51	-95.00	-1262.96	-1466.96	630.09	-9.049e+04	1.465e+04	-1.096e+04
1	51	0.0	-1151.32	62.23	129.73	-3.644e+04	3474.01	-5305.12
1	52	-137.00	-1190.36	-1806.85	743.35	-2.433e+04	-1.166e+04	-3654.07
1	52	-95.00	-1373.42	-1701.10	743.35	-1.068e+05	1.819e+04	-1.320e+04
1	52	0.0	-1203.59	60.60	162.25	-4.160e+04	4200.87	-6566.64
1	53	-137.00	-1121.84	-1215.14	688.85	-1.575e+04	-1.133e+04	-1988.08
1	53	-95.00	-1290.28	-1285.72	688.85	-7.650e+04	1.698e+04	-7947.07
1	53	0.0	-1151.71	95.22	151.59	-3.551e+04	3996.52	-3712.15
1	54	-137.00	-1216.91	-1494.58	802.10	-1.985e+04	-1.228e+04	-2691.39
1	54	-95.00	-1400.74	-1519.85	802.10	-9.280e+04	2.052e+04	-1.018e+04
1	54	0.0	-1203.98	93.59	184.12	-4.067e+04	4723.38	-4973.67
1	67	-137.00	-955.48	-4119.71	877.37	-9.137e+04	-6287.79	-1.845e+04
1	67	-95.00	-1139.30	-4144.98	877.37	-1.643e+05	2.696e+04	-3.019e+04
1	67	0.0	-2201.27	385.02	159.68	-8.782e+04	1531.94	-2.987e+04
1	70	-137.00	-1478.35	1130.54	726.84	5.167e+04	-1.827e+04	1.307e+04
1	70	-95.00	-1662.17	1105.27	726.84	-2.128e+04	1.408e+04	9819.56
1	70	0.0	-206.69	-197.83	208.55	6476.75	7914.82	1.993e+04
1	83	-137.00	-860.24	-4377.39	-930.87	-1.030e+05	-2.884e+04	-2.187e+04
1	83	-95.00	-1044.07	-4402.66	-930.87	-1.760e+05	4392.75	-3.651e+04
1	83	0.0	-2178.68	-47.71	-711.55	-8.133e+04	1.436e+04	-3.506e+04
1	99	-137.00	-1084.47	-2696.80	815.30	-5.265e+04	-9779.04	-9967.67
1	99	-95.00	-1268.29	-2722.07	815.30	-1.256e+05	2.323e+04	-1.940e+04
1	99	0.0	-1654.27	218.55	165.39	-6.159e+04	3436.84	-1.641e+04
1	102	-137.00	-1349.36	-292.37	788.91	1.296e+04	-1.477e+04	4584.89
1	102	-95.00	-1533.18	-317.63	788.91	-5.999e+04	1.781e+04	-974.59

1	102	0.0	-753.68	-31.37	202.84	-1.975e+04	6009.92	6460.23
1	115	-137.00	-1037.35	-2843.12	4.13	-5.894e+04	-1.984e+04	-1.175e+04
1	115	-95.00	-1221.18	-2868.38	4.13	-1.319e+05	1.316e+04	-2.256e+04
1	115	0.0	-1645.96	19.59	-233.00	-5.858e+04	9146.47	-1.904e+04

M_S			N memb.	V memb.	V orto	M memb.	M orto	T
			-2343.50	-5078.19	-930.87	-2.716e+05	-2.884e+04	-4.193e+04
			-206.69	1130.54	1243.18	5.167e+04	2.909e+04	1.993e+04

Macro	Tipo	Angolo 1-Z (gradi)
2	Setto	0.0

M_S	Cmb	Z cm	N memb. daN	V memb. daN	V orto daN	M memb. daN cm	M orto daN cm	T daN cm
2	4	-137.00	-1043.62	-2782.32	1725.33	3.218e+04	3671.34	1.023e+04
2	4	-95.00	-691.68	-1522.36	1725.33	1.119e+05	7.727e+04	1.801e+04
2	4	0.0	-2384.84	160.52	504.52	3.001e+04	9061.32	2.482e+04
2	5	-137.00	-549.08	-1660.95	1072.85	1.867e+04	1687.86	5886.99
2	5	-95.00	-432.53	-990.12	1072.85	6.589e+04	4.728e+04	1.016e+04
2	5	0.0	-1371.15	257.79	333.65	1.587e+04	6310.84	1.477e+04
2	18	-137.00	-947.00	-3335.69	1843.18	3.793e+04	2085.37	1.195e+04
2	18	-95.00	-715.68	-1954.24	1843.18	1.345e+05	8.074e+04	2.137e+04
2	18	0.0	-2345.37	426.33	537.62	2.632e+04	9946.61	2.924e+04
2	31	-137.00	-581.61	-1321.43	967.35	1.498e+04	2483.19	4706.13
2	31	-95.00	-420.06	-756.99	967.35	5.240e+04	4.355e+04	7964.96
2	31	0.0	-1332.18	130.52	308.12	1.798e+04	5742.07	1.196e+04
2	34	-137.00	-762.42	-1887.88	1245.89	2.187e+04	2900.71	6972.44
2	34	-95.00	-498.68	-1019.54	1245.89	7.561e+04	5.598e+04	1.214e+04
2	34	0.0	-1741.48	91.95	369.42	2.227e+04	6639.36	1.697e+04
2	41	-137.00	-698.01	-2256.79	1324.45	2.571e+04	1843.40	8119.15
2	41	-95.00	-514.68	-1307.46	1324.45	9.066e+04	5.830e+04	1.438e+04
2	41	0.0	-1715.17	269.15	391.48	1.981e+04	7229.56	1.991e+04
2	46	-137.00	-604.79	-529.57	745.26	6338.67	3880.94	2006.48
2	46	-95.00	-362.73	-217.59	745.26	2.030e+04	3.535e+04	2839.50
2	46	0.0	-1220.71	-120.87	254.49	2.070e+04	4571.40	5427.20
2	47	-137.00	-686.39	-794.57	861.08	9548.82	4090.08	3094.91
2	47	-95.00	-399.77	-337.05	861.08	3.087e+04	4.060e+04	4807.74
2	47	0.0	-1388.43	-136.89	277.31	2.177e+04	4888.48	7775.92
2	52	-137.00	-646.02	-952.52	888.78	1.115e+04	3540.51	3559.42
2	52	-95.00	-404.06	-469.07	888.78	3.734e+04	4.124e+04	5728.93
2	52	0.0	-1358.50	-46.69	286.06	2.044e+04	5151.87	9013.71
2	53	-137.00	-604.79	-529.57	745.26	6338.67	3880.94	2006.48
2	53	-95.00	-362.73	-217.59	745.26	2.030e+04	3.535e+04	2839.50
2	53	0.0	-1220.71	-120.87	254.49	2.070e+04	4571.40	5427.20
2	54	-137.00	-653.75	-688.57	814.75	8264.76	4006.42	2659.54
2	54	-95.00	-384.95	-289.27	814.75	2.664e+04	3.850e+04	4020.45
2	54	0.0	-1321.34	-130.49	268.18	2.134e+04	4761.65	6836.43
2	55	-137.00	-285.37	-1835.54	6106.70	3.578e+04	7.353e+04	1.182e+04
2	55	-95.00	-16.57	-1436.25	6106.70	5.416e+04	1.076e+05	1.132e+04
2	55	0.0	-3772.41	1797.72	2998.55	2.040e+04	-3.964e+04	1.208e+04
2	58	-137.00	-1022.13	458.41	-4477.19	-1.925e+04	-6.552e+04	-6499.89
2	58	-95.00	-753.34	857.71	-4477.19	-871.83	-3.063e+04	-3280.11
2	58	0.0	1129.73	-2058.69	-2462.19	2.229e+04	4.916e+04	1597.42
2	83	-137.00	-944.43	-3804.62	4272.11	1.019e+05	4.942e+04	1.809e+04
2	83	-95.00	-675.63	-3405.32	4272.11	1.203e+05	8.359e+04	2.328e+04
2	83	0.0	-2143.69	1437.00	948.08	9.684e+04	-1.111e+04	3.237e+04
2	91	-137.00	-488.54	-1263.11	3202.02	2.239e+04	3.539e+04	7173.50
2	91	-95.00	-219.74	-863.82	3202.02	4.076e+04	6.970e+04	7783.15
2	91	0.0	-2403.59	748.75	1341.16	2.236e+04	-1.498e+04	9827.55
2	92	-137.00	-428.52	-526.33	2504.66	1464.08	2.620e+04	3344.06
2	92	-95.00	-159.73	-127.03	2504.66	1.984e+04	6.059e+04	2656.48
2	92	0.0	-2331.54	419.34	1292.39	1147.63	-1.298e+04	2938.89
2	115	-137.00	-785.23	-2144.13	2406.52	5.197e+04	2.494e+04	9930.33
2	115	-95.00	-516.43	-1744.83	2406.52	7.034e+04	5.928e+04	1.306e+04
2	115	0.0	-1688.72	591.31	573.84	5.624e+04	-2491.40	1.888e+04

M_S			N memb.	V memb.	V orto	M memb.	M orto	T
			-3772.41	-3804.62	-4477.19	-1.925e+04	-6.552e+04	-6499.89
			1129.73	1797.72	6106.70	1.345e+05	1.076e+05	3.237e+04

Macro	Tipo	Angolo 1-Z (gradi)
3	Setto	0.0

M_S	Cmb	Z cm	N memb. daN	V memb. daN	V orto daN	M memb. daN cm	M orto daN cm	T daN cm
3	4	-137.00	-1739.64	4457.85	411.84	-6.547e+04	-1.125e+04	9304.27
3	4	-95.00	-1738.47	3862.27	411.84	-2.512e+05	5820.62	3.369e+04
3	4	0.0	-2965.13	-180.64	96.96	-1.492e+05	4021.20	2.213e+04
3	18	-137.00	-1512.78	4984.51	51.31	-7.730e+04	-7578.46	1.076e+04
3	18	-95.00	-1523.84	4095.23	51.31	-2.821e+05	-6112.37	4.092e+04
3	18	0.0	-2692.39	-71.92	12.76	-1.309e+05	1910.67	2.297e+04
3	19	-137.00	-773.17	3381.08	-273.89	-5.609e+04	-1894.73	7584.64
3	19	-95.00	-784.56	2578.16	-273.89	-1.934e+05	-1.422e+04	3.087e+04
3	19	0.0	-1402.57	70.41	-65.95	-5.330e+04	-743.95	1.365e+04
3	34	-137.00	-1275.82	3052.30	335.32	-4.451e+04	-8542.56	6332.61
3	34	-95.00	-1270.05	2661.11	335.32	-1.722e+05	5438.94	2.290e+04
3	34	0.0	-2127.60	-131.92	78.40	-1.034e+05	3063.26	1.516e+04
3	38	-137.00	-864.70	2635.63	-15.17	-4.220e+04	-4251.65	5752.92
3	38	-95.00	-860.34	2078.23	-15.17	-1.505e+05	-5364.02	2.308e+04
3	38	0.0	-1366.25	19.18	-5.86	-4.957e+04	577.43	1.092e+04
3	41	-137.00	-1124.58	3403.40	94.97	-5.240e+04	-6092.79	7305.66
3	41	-95.00	-1126.96	2816.42	94.97	-1.928e+05	-2516.39	2.772e+04
3	41	0.0	-1945.77	-59.44	22.26	-9.130e+04	1656.25	1.572e+04
3	47	-137.00	-1160.90	1501.90	553.46	-1.904e+04	-9795.22	2803.71
3	47	-95.00	-1132.31	1445.01	553.46	-8.469e+04	1.374e+04	9460.26
3	47	0.0	-1629.63	-136.06	126.69	-6.617e+04	3769.88	7924.73
3	51	-137.00	-970.62	1319.09	388.14	-1.816e+04	-7757.16	2567.01
3	51	-95.00	-940.72	1179.74	388.14	-7.510e+04	8657.10	9667.30
3	51	0.0	-1271.05	-63.46	87.73	-4.084e+04	2611.26	5983.08
3	52	-137.00	-1068.90	1626.26	426.84	-2.230e+04	-8454.17	3186.92
3	52	-95.00	-1043.62	1473.67	426.84	-9.216e+04	9601.86	1.156e+04
3	52	0.0	-1500.48	-94.62	97.07	-5.735e+04	3001.36	7888.04
3	53	-137.00	-997.10	989.96	488.97	-1.216e+04	-8633.54	1770.54
3	53	-95.00	-960.81	955.12	488.97	-5.626e+04	1.216e+04	6313.99
3	53	0.0	-1247.25	-84.12	111.13	-3.866e+04	3119.71	4749.79
3	54	-137.00	-1095.38	1297.12	527.66	-1.629e+04	-9330.55	2390.44
3	54	-95.00	-1063.71	1249.05	527.66	-7.332e+04	1.311e+04	8201.75
3	54	0.0	-1476.68	-115.28	120.47	-5.516e+04	3509.82	6654.76
3	68	-137.00	598.13	1536.61	-2130.10	-1.044e+04	-3.839e+04	9326.98
3	68	-95.00	629.79	1488.54	-2130.10	-6.747e+04	-1.338e+04	2.276e+04
3	68	0.0	-1214.03	-290.26	-852.36	-3.729e+04	1.666e+04	1.275e+04
3	69	-137.00	-2788.88	1057.64	3185.43	-2.213e+04	1.973e+04	-4546.10
3	69	-95.00	-2757.21	1009.57	3185.43	-7.917e+04	3.960e+04	-6356.06
3	69	0.0	-1739.32	59.70	1093.29	-7.304e+04	-9640.84	563.75
3	83	-137.00	-628.45	4457.49	-2012.35	-1.304e+05	-2.860e+04	2.010e+04
3	83	-95.00	-596.78	4409.42	-2012.35	-1.874e+05	-1.316e+04	4.319e+04
3	83	0.0	-1135.77	263.98	-863.55	-1.649e+04	1.718e+04	3.287e+04
3	100	-137.00	-309.60	1391.57	-688.03	-1.241e+04	-2.261e+04	5486.66
3	100	-95.00	-277.94	1343.50	-688.03	-6.944e+04	1027.94	1.470e+04
3	100	0.0	-1355.39	-200.00	-319.76	-4.694e+04	9497.81	9276.03
3	101	-137.00	-1881.15	1202.67	1743.36	-2.017e+04	3953.87	-705.78
3	101	-95.00	-1849.48	1154.60	1743.36	-7.720e+04	2.519e+04	1698.83
3	101	0.0	-1597.97	-30.57	560.70	-6.339e+04	-2478.18	4033.48
3	115	-137.00	-886.00	2804.03	-630.76	-7.036e+04	-1.807e+04	1.075e+04
3	115	-95.00	-854.34	2755.96	-630.76	-1.274e+05	1103.12	2.466e+04
3	115	0.0	-1318.59	67.30	-331.35	-3.694e+04	9704.07	1.902e+04
M_S			N memb. -2965.13 629.79	V memb. -290.26 4984.51	V orto -2130.10 3185.43	M memb. -2.821e+05 -1.044e+04	M orto -3.839e+04 3.960e+04	T -6356.06 4.319e+04

Macro	Tipo	Angolo 1-Z (gradi)
4	Setto	0.0

M_S	Cmb	Z cm	N memb. daN	V memb. daN	V orto daN	M memb. daN cm	M orto daN cm	T daN cm
4	4	-137.00	-1571.56	2848.58	962.02	3.096e+04	1.345e+04	-1.065e+04
4	4	-95.00	-1620.84	1359.92	962.02	1.026e+05	5.358e+04	-1.817e+04
4	4	0.0	-2866.85	55.76	561.90	1.224e+05	1.048e+04	-3.207e+04

4	18	-137.00	-1319.94	3427.52	1288.54	3.918e+04	8247.44	-1.235e+04
4	18	-95.00	-1261.73	1798.87	1288.54	1.373e+05	6.194e+04	-2.250e+04
4	18	0.0	-2406.30	208.79	560.13	1.178e+05	1.081e+04	-3.700e+04
4	19	-137.00	-614.83	2479.62	1064.29	3.025e+04	1036.70	-8770.49
4	19	-95.00	-479.60	1362.98	1064.29	1.085e+05	4.532e+04	-1.705e+04
4	19	0.0	-1036.68	302.96	335.58	6.041e+04	6889.77	-2.606e+04
4	34	-137.00	-1154.78	1905.48	639.13	2.068e+04	1.036e+04	-7268.83
4	34	-95.00	-1201.20	863.19	639.13	6.648e+04	3.702e+04	-1.222e+04
4	34	0.0	-2073.41	41.47	395.62	8.401e+04	7370.01	-2.184e+04
4	38	-137.00	-743.04	1813.44	709.44	2.165e+04	4761.41	-6683.17
4	38	-95.00	-690.62	892.82	709.44	7.329e+04	3.434e+04	-1.249e+04
4	38	0.0	-1155.96	201.45	285.61	4.918e+04	5734.18	-1.968e+04
4	41	-137.00	-987.03	2291.44	856.82	2.616e+04	6894.23	-8398.17
4	41	-95.00	-961.79	1155.82	856.82	8.959e+04	4.260e+04	-1.511e+04
4	41	0.0	-1766.37	143.49	394.44	8.091e+04	7596.25	-2.513e+04
4	47	-137.00	-1089.39	684.83	108.51	6385.30	1.286e+04	-3290.55
4	47	-95.00	-1210.52	65.17	108.51	9640.68	1.749e+04	-4387.24
4	47	0.0	-1730.22	-33.04	251.60	4.602e+04	4536.72	-9607.82
4	51	-137.00	-903.29	648.61	137.94	6938.28	1.032e+04	-3058.24
4	51	-95.00	-980.74	76.98	137.94	1.299e+04	1.618e+04	-4597.49
4	51	0.0	-1306.06	46.75	199.26	2.919e+04	3765.23	-8676.57
4	52	-137.00	-990.91	845.06	206.01	8813.52	1.101e+04	-3741.36
4	52	-95.00	-1075.09	192.27	206.01	2.003e+04	1.969e+04	-5654.87
4	52	0.0	-1538.04	22.08	243.61	4.229e+04	4523.47	-1.089e+04
4	53	-137.00	-943.36	357.40	-4.93	3259.90	1.171e+04	-2152.00
4	53	-95.00	-1053.27	-126.98	-4.93	-2081.21	1.164e+04	-2624.94
4	53	0.0	-1343.59	8.08	177.67	2.419e+04	3272.99	-5926.87
4	54	-137.00	-1030.98	553.85	63.13	5135.14	1.240e+04	-2835.13
4	54	-95.00	-1147.62	-11.69	63.13	4951.92	1.515e+04	-3682.32
4	54	0.0	-1575.57	-16.59	222.03	3.729e+04	4031.23	-8135.44
4	59	-137.00	-89.21	941.86	651.29	5.594e+04	9669.40	-8891.31
4	59	-95.00	-205.85	376.32	651.29	5.575e+04	1.362e+04	-1.759e+04
4	59	0.0	-351.28	2422.62	-108.97	4.988e+04	1.179e+04	-3.204e+04
4	61	-137.00	-1590.77	1779.59	619.37	4622.09	2.335e+04	-5254.10
4	61	-95.00	-1707.42	1214.05	619.37	4438.87	2.681e+04	-451.52
4	61	0.0	-2901.70	-1762.96	774.67	5.979e+04	-7222.62	-678.91
4	83	-137.00	-227.03	3408.42	1991.13	1.093e+05	2.407e+04	-1.988e+04
4	83	-95.00	-343.67	2842.88	1991.13	1.091e+05	3.001e+04	-2.611e+04
4	83	0.0	-1394.04	1570.31	459.12	9.884e+04	357.87	-4.158e+04
4	91	-137.00	-607.79	740.90	334.80	2.837e+04	1.123e+04	-5620.85
4	91	-95.00	-724.44	175.36	334.80	2.818e+04	1.454e+04	-9941.61
4	91	0.0	-1028.05	1069.19	76.05	4.328e+04	7426.95	-1.901e+04
4	93	-137.00	-1274.48	1135.94	335.97	5730.84	1.752e+04	-4076.68
4	93	-95.00	-1391.12	570.39	335.97	5547.62	2.061e+04	-2462.17
4	93	0.0	-2171.59	-782.76	476.58	4.800e+04	-1066.43	-5031.16
4	115	-137.00	-655.60	1910.03	976.22	5.412e+04	1.800e+04	-1.088e+04
4	115	-95.00	-772.24	1344.49	976.22	5.393e+04	2.224e+04	-1.419e+04
4	115	0.0	-1492.87	713.45	340.23	6.641e+04	2208.67	-2.384e+04

M_S	N memb.	V memb.	V orto	M memb.	M orto	T
	-2901.70	-1762.96	-108.97	-2081.21	-7222.62	-4.158e+04
	-89.21	3427.52	1991.13	1.373e+05	6.194e+04	-451.52

Macro	Tipo	Angolo 1-Z (gradi)
5	Setto	0.0

M_S	Cmb	Z cm	N memb. daN	V memb. daN	V orto daN	M memb. daN cm	M orto daN cm	T daN cm
5	3	-95.00	-6444.86	1320.18	933.52	-2.867e+05	-1.029e+05	-8.989e+04
5	3	0.0	-5933.31	-1137.10	933.52	-1.456e+05	6420.71	-7.916e+04
5	4	-95.00	-6833.00	1466.47	961.94	-2.989e+05	-1.063e+05	-8.941e+04
5	4	0.0	-6221.32	-1155.60	961.94	-1.542e+05	6441.21	-7.777e+04
5	19	-95.00	-2333.44	-626.04	619.90	-1.395e+05	-7.913e+04	-3.340e+04
5	19	0.0	-2567.14	-922.73	619.90	-4.339e+04	-6201.37	-5.066e+04
5	33	-95.00	-4688.72	1027.06	633.66	-1.997e+05	-6.993e+04	-6.371e+04
5	33	0.0	-4266.70	-771.50	633.66	-1.004e+05	4553.81	-5.401e+04
5	34	-95.00	-4947.48	1124.59	652.60	-2.079e+05	-7.219e+04	-6.339e+04
5	34	0.0	-4458.70	-783.83	652.60	-1.061e+05	4567.48	-5.309e+04
5	42	-95.00	-2774.53	557.13	296.57	-1.073e+05	-3.776e+04	-2.637e+04
5	42	0.0	-2605.86	-468.19	296.57	-4.060e+04	-1506.66	-2.278e+04
5	46	-95.00	-3234.98	1186.93	109.11	-8.410e+04	-1.283e+04	-2.579e+04
5	46	0.0	-2602.22	-170.68	109.11	-3.711e+04	2364.25	-5893.90

5	47	-95.00	-4130.40	1466.19	268.26	-1.301e+05	-2.801e+04	-4.333e+04
5	47	0.0	-3430.73	-317.88	268.26	-6.701e+04	5159.59	-2.114e+04
5	53	-95.00	-3234.98	1186.93	109.11	-8.410e+04	-1.283e+04	-2.579e+04
5	53	0.0	-2602.22	-170.68	109.11	-3.711e+04	2364.25	-5893.90
5	54	-95.00	-3772.24	1354.48	204.60	-1.117e+05	-2.194e+04	-3.631e+04
5	54	0.0	-3099.33	-259.00	204.60	-5.505e+04	4041.45	-1.504e+04
5	60	-95.00	-7250.63	-353.81	4328.60	-1.118e+04	-2.998e+05	-416.37
5	60	0.0	-6577.72	-1967.29	4328.60	4.544e+04	-2.846e+05	-2.034e+05
5	61	-95.00	-293.84	3062.77	-3919.40	-2.122e+05	2.559e+05	-7.220e+04
5	61	0.0	379.06	1449.29	-3919.40	-1.555e+05	2.926e+05	1.733e+05
5	70	-95.00	-2084.25	4697.43	-2512.05	-1.231e+05	9.678e+04	-9.136e+04
5	70	0.0	-1411.34	3083.95	-2512.05	-6.644e+04	1.272e+05	9.846e+04
5	76	-95.00	-5660.12	2900.53	1110.02	-1.064e+04	-1.712e+05	-1.169e+05
5	76	0.0	-4987.21	1287.04	1110.02	4.598e+04	-1.715e+05	-2.254e+05
5	92	-95.00	-5334.96	616.06	2028.54	-6.594e+04	-1.457e+05	-2.063e+04
5	92	0.0	-4662.05	-997.42	2028.54	-9317.70	-1.245e+05	-9.857e+04
5	93	-95.00	-2209.52	2092.90	-1619.35	-1.574e+05	1.018e+05	-5.199e+04
5	93	0.0	-1536.61	479.42	-1619.35	-1.008e+05	1.326e+05	6.849e+04
5	108	-95.00	-4670.99	2045.45	618.24	-6.435e+04	-8.977e+04	-7.096e+04
5	108	0.0	-3998.09	431.97	618.24	-7728.49	-7.581e+04	-1.076e+05
5	118	-95.00	-4220.64	2887.54	-156.59	-6.810e+04	-6.178e+04	-7.585e+04
5	118	0.0	-3547.73	1274.05	-156.59	-1.148e+04	-3.701e+04	-5.835e+04

M_S

N memb.

V memb.

V orto

M memb.

M orto

T

-7250.63
379.06

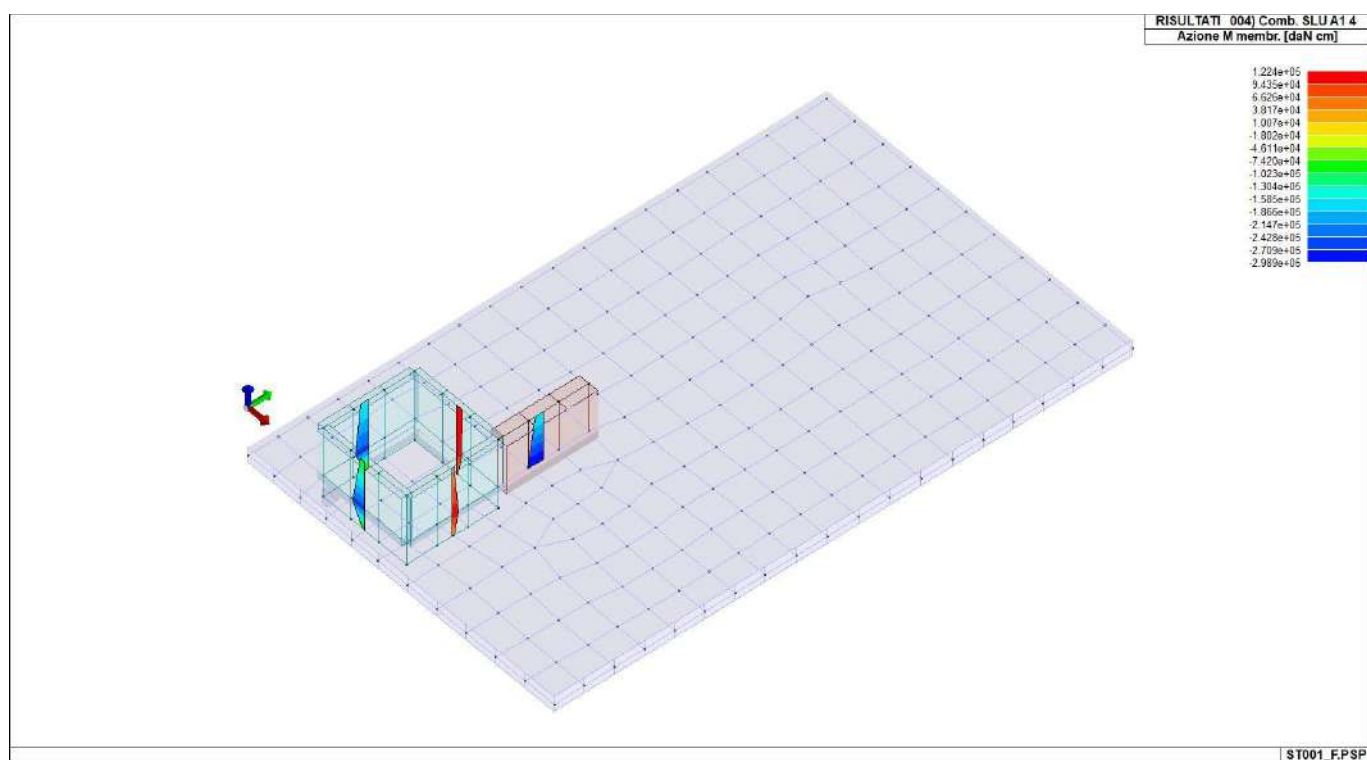
-1967.29
4697.43

-3919.40
4328.60

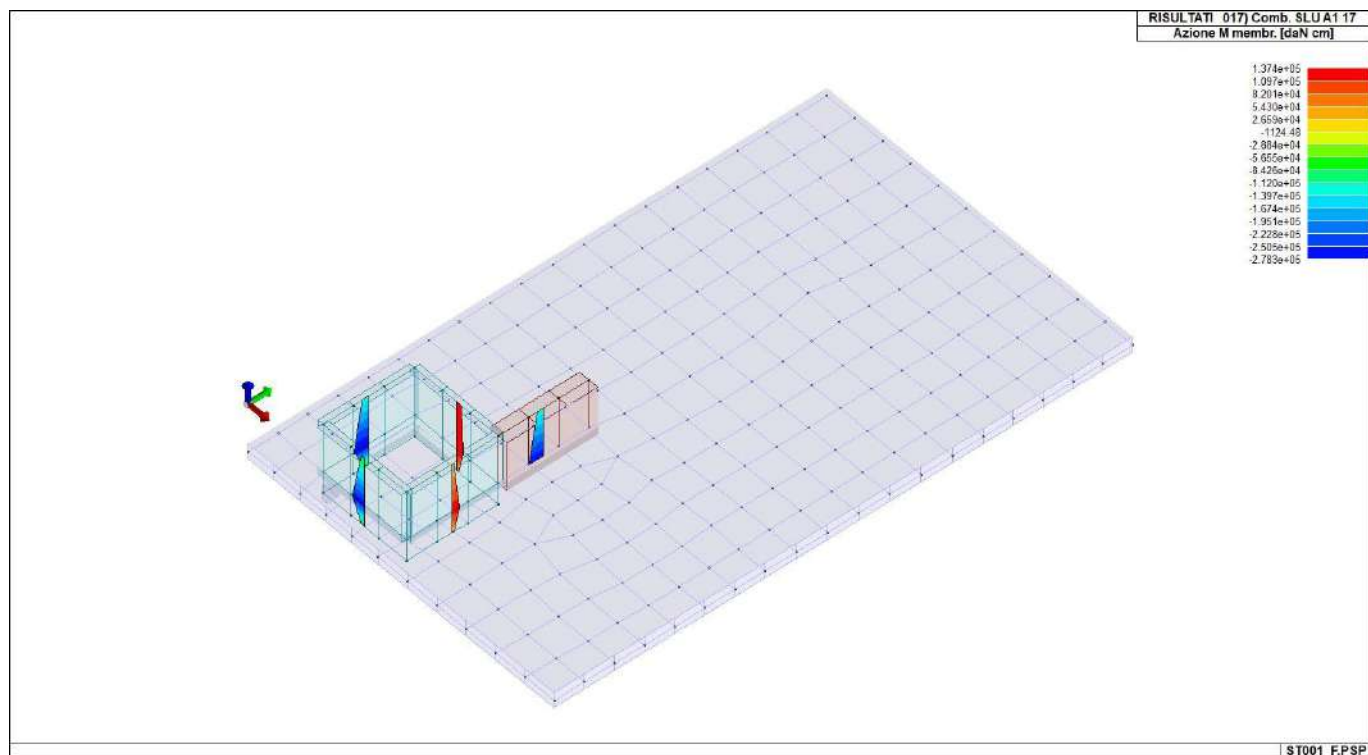
-2.989e+05
4.598e+04

-2.998e+05
2.926e+05

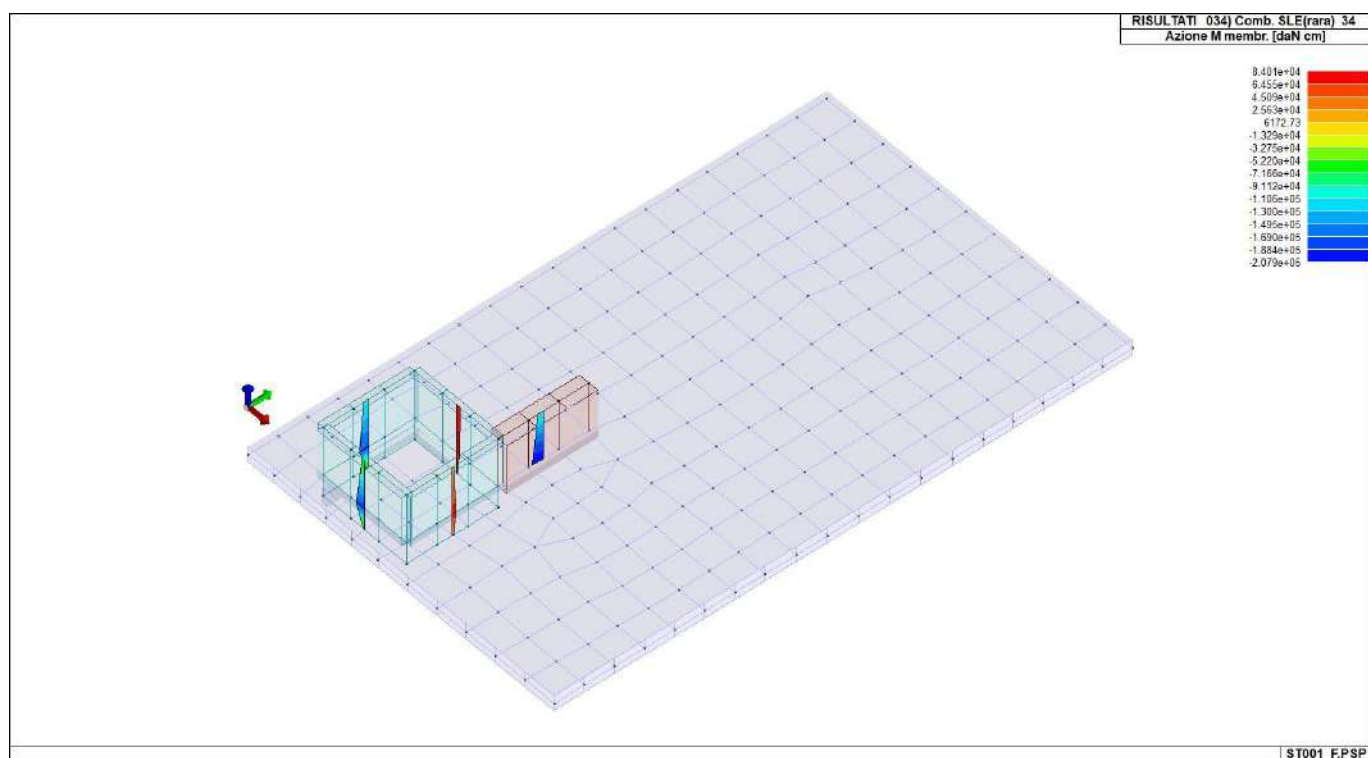
-2.254e+05
1.733e+05



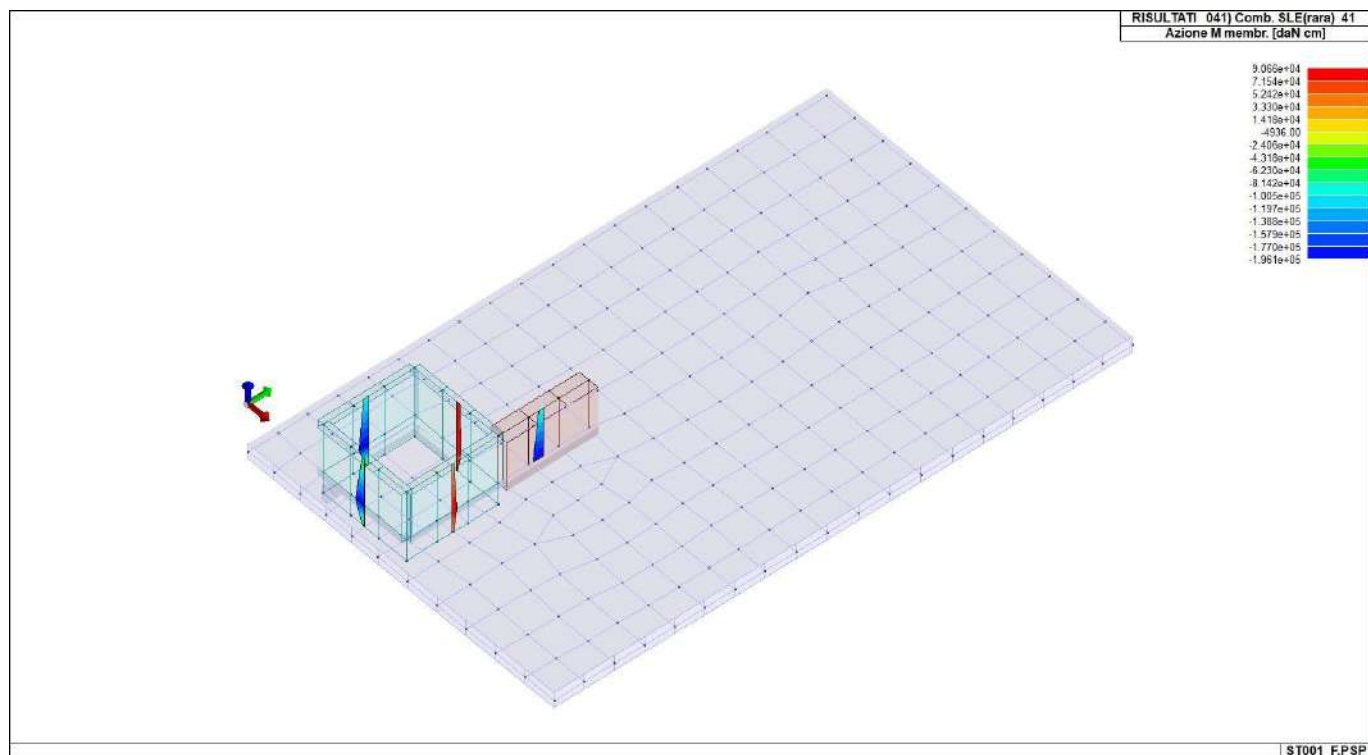
47_RIS_M_004_Comb SLU A1 4



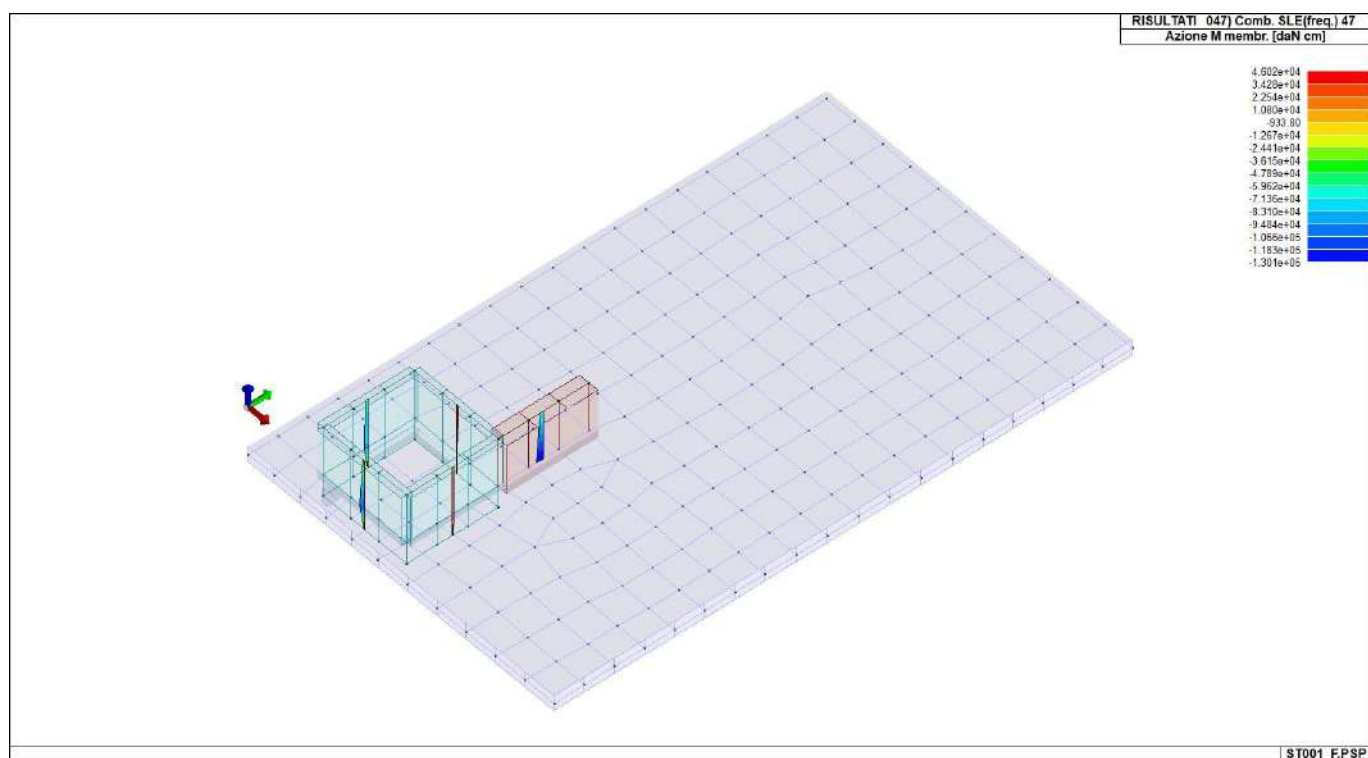
47_RIS_M_017_Comb SLU A1 17



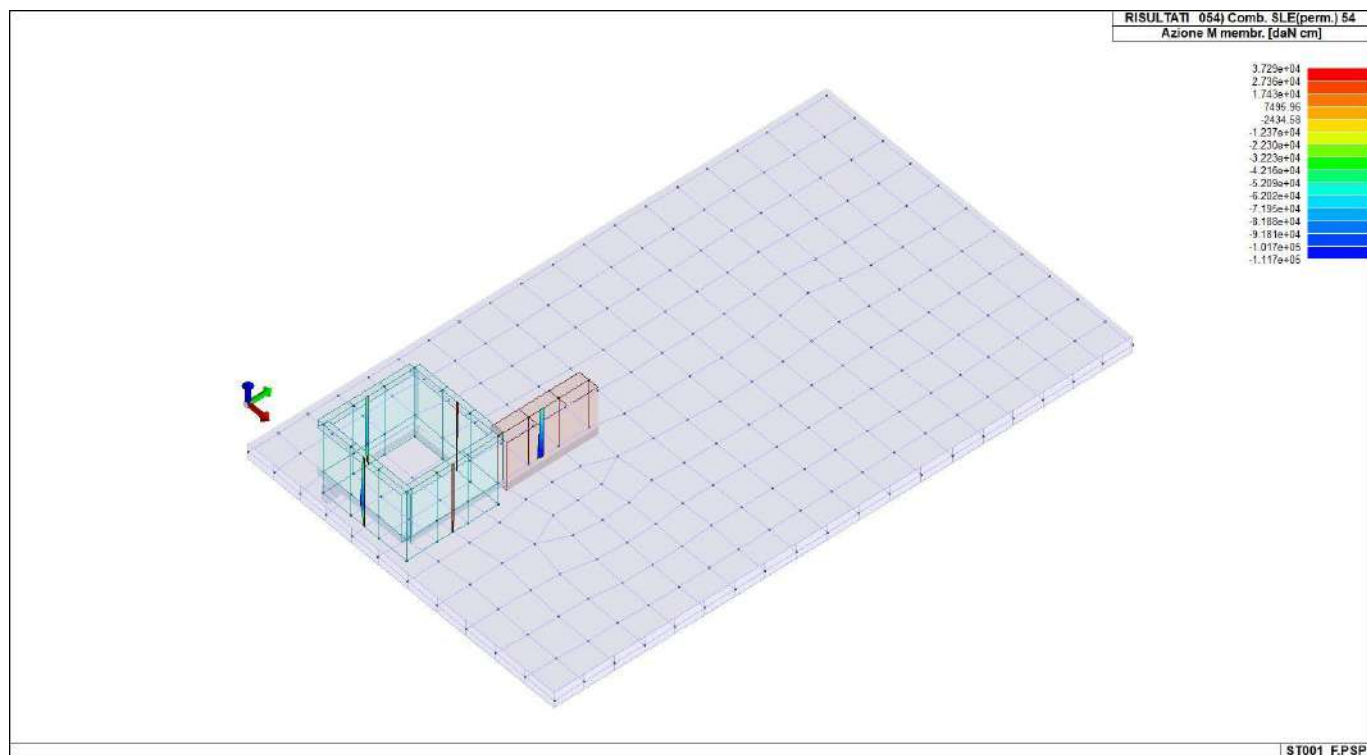
47_RIS_M_034_Comb SLErara 34



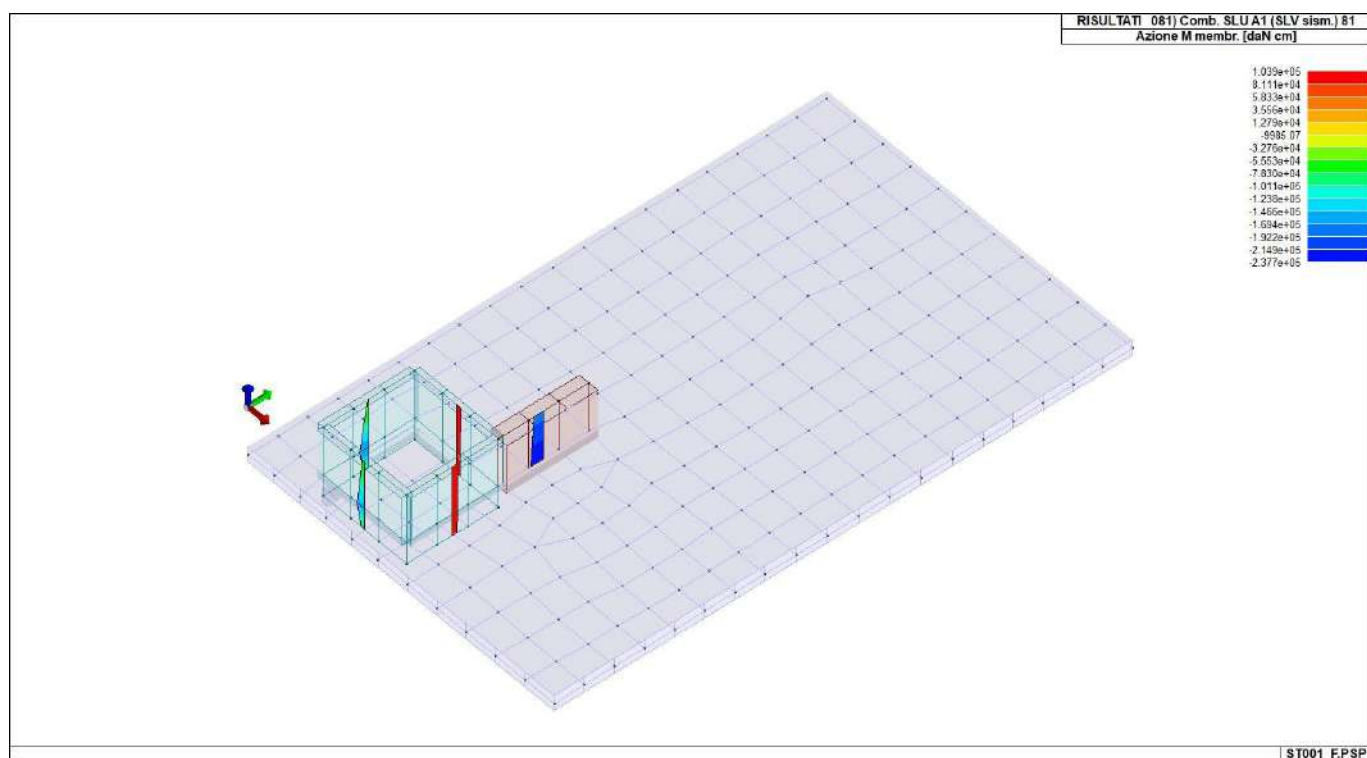
47_RIS_M_041_Comb SLErara 41



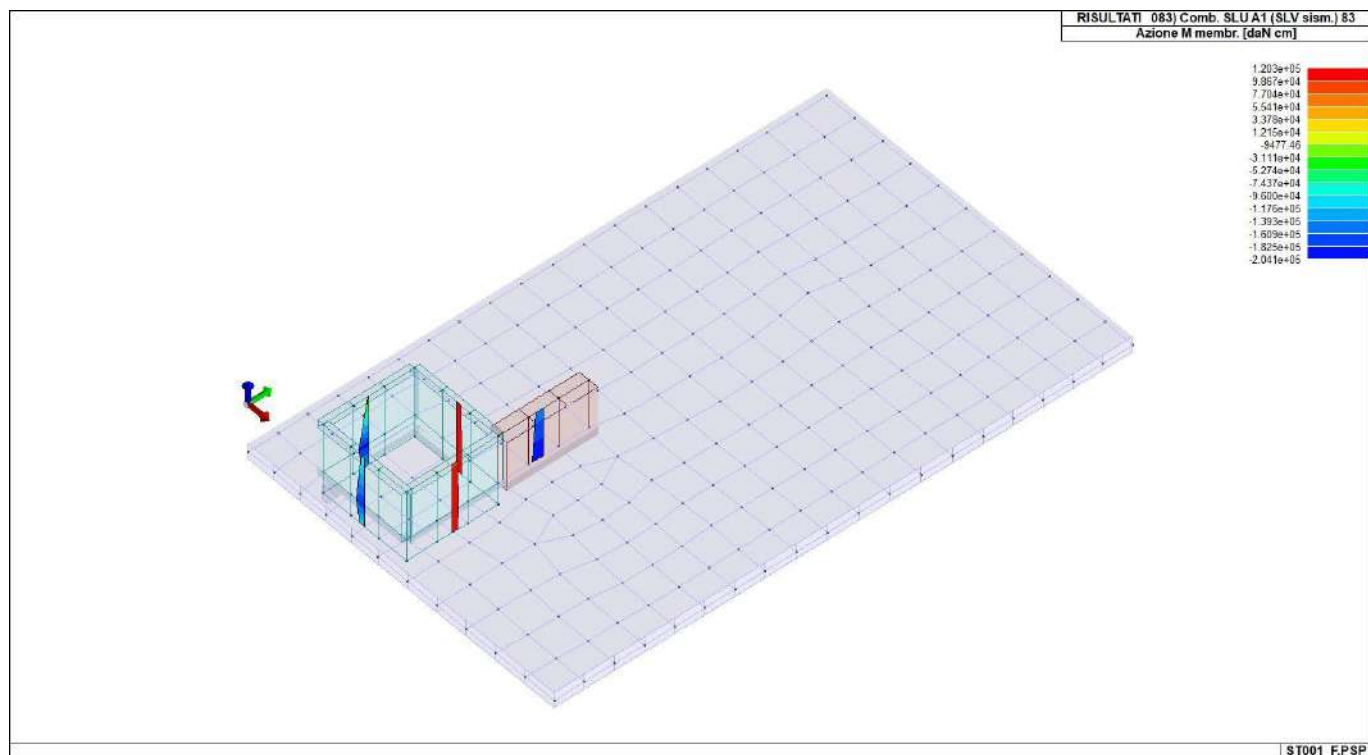
47_RIS_M_047_Comb SLEfreq 47



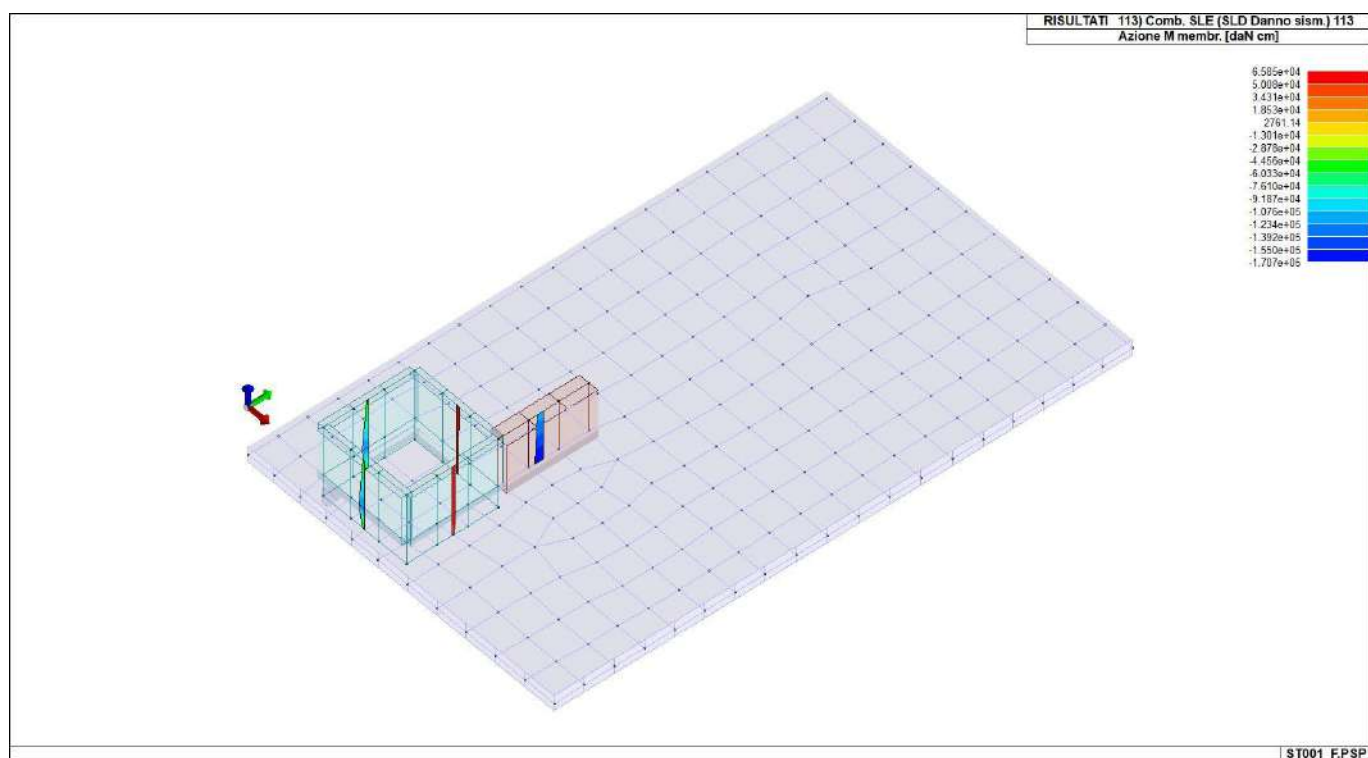
47_RIS_M_054_Comb SLEperm 54



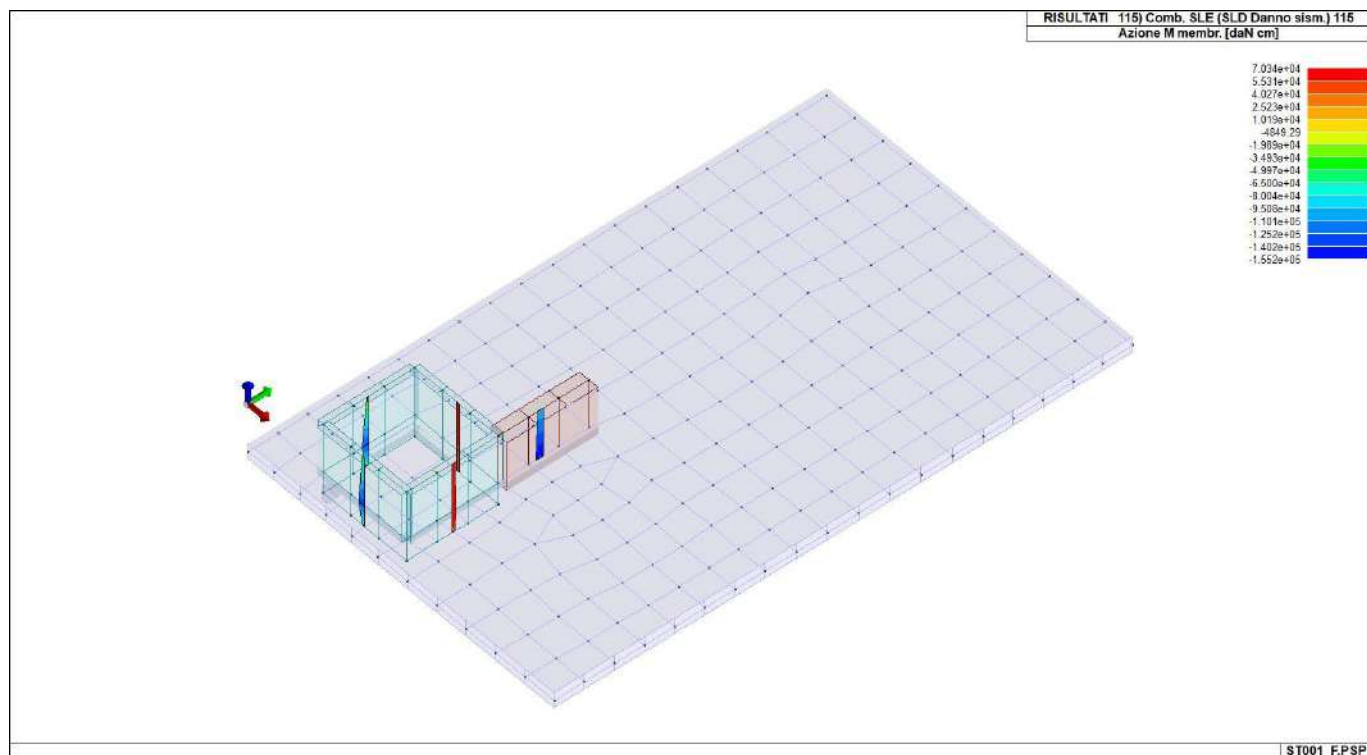
47_RIS_M_081_Comb SLU A1 SLV sism 81



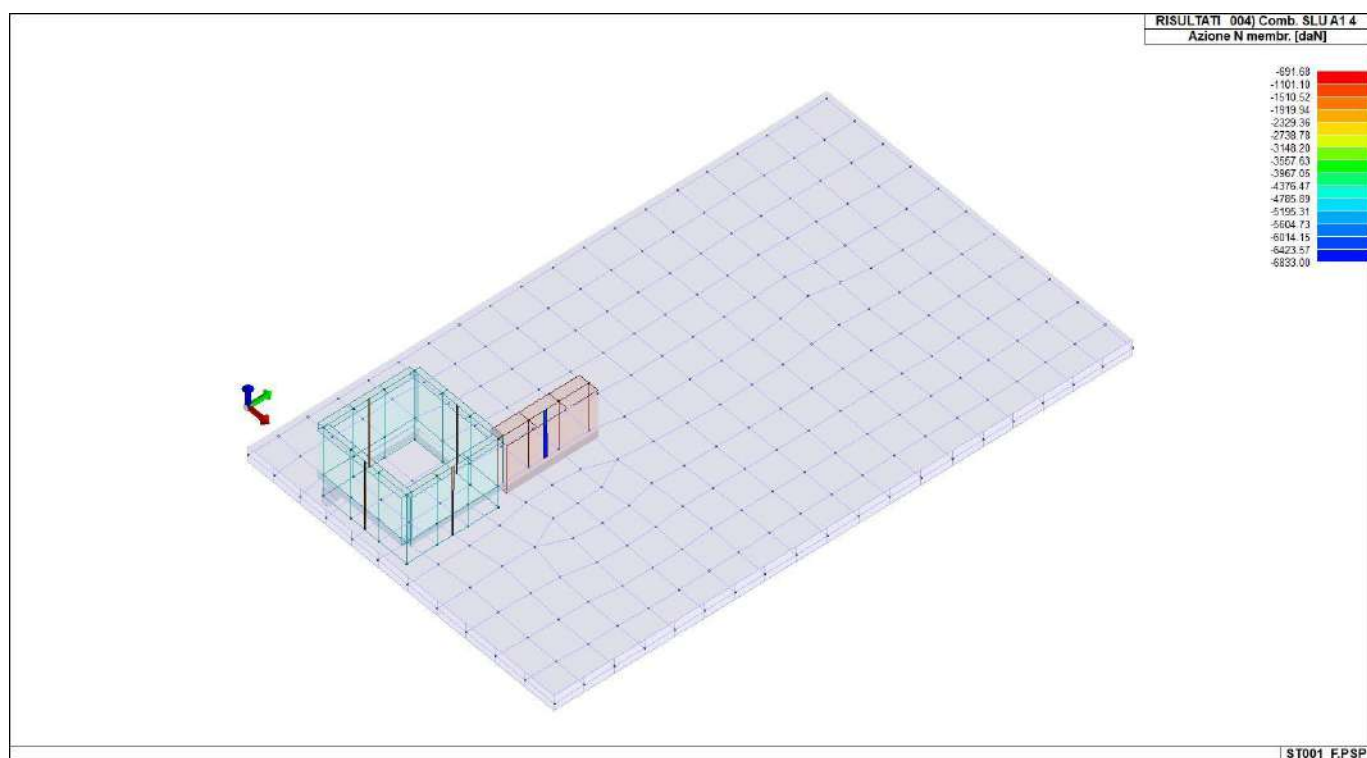
47_RIS_M_083_Comb SLU A1 SLV sism 83



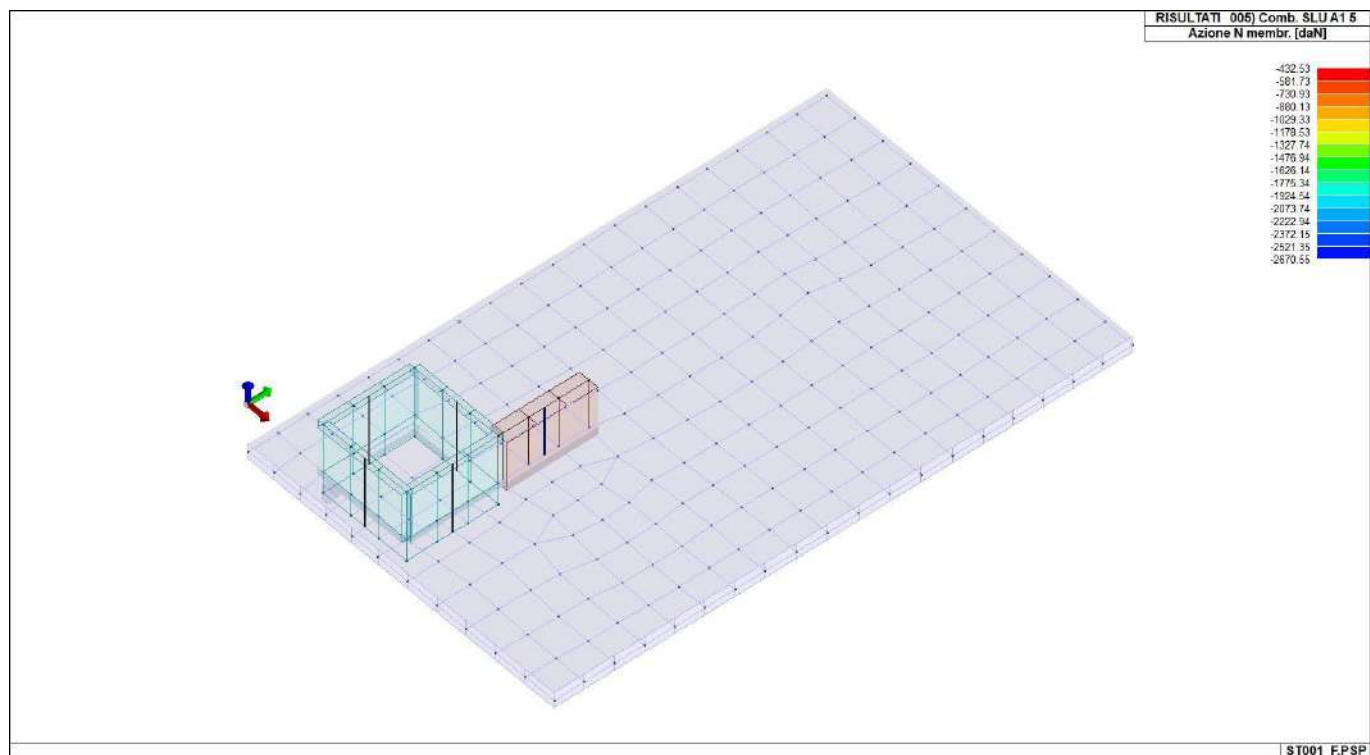
47_RIS_M_113_Comb SLE SLD Danno sism 113



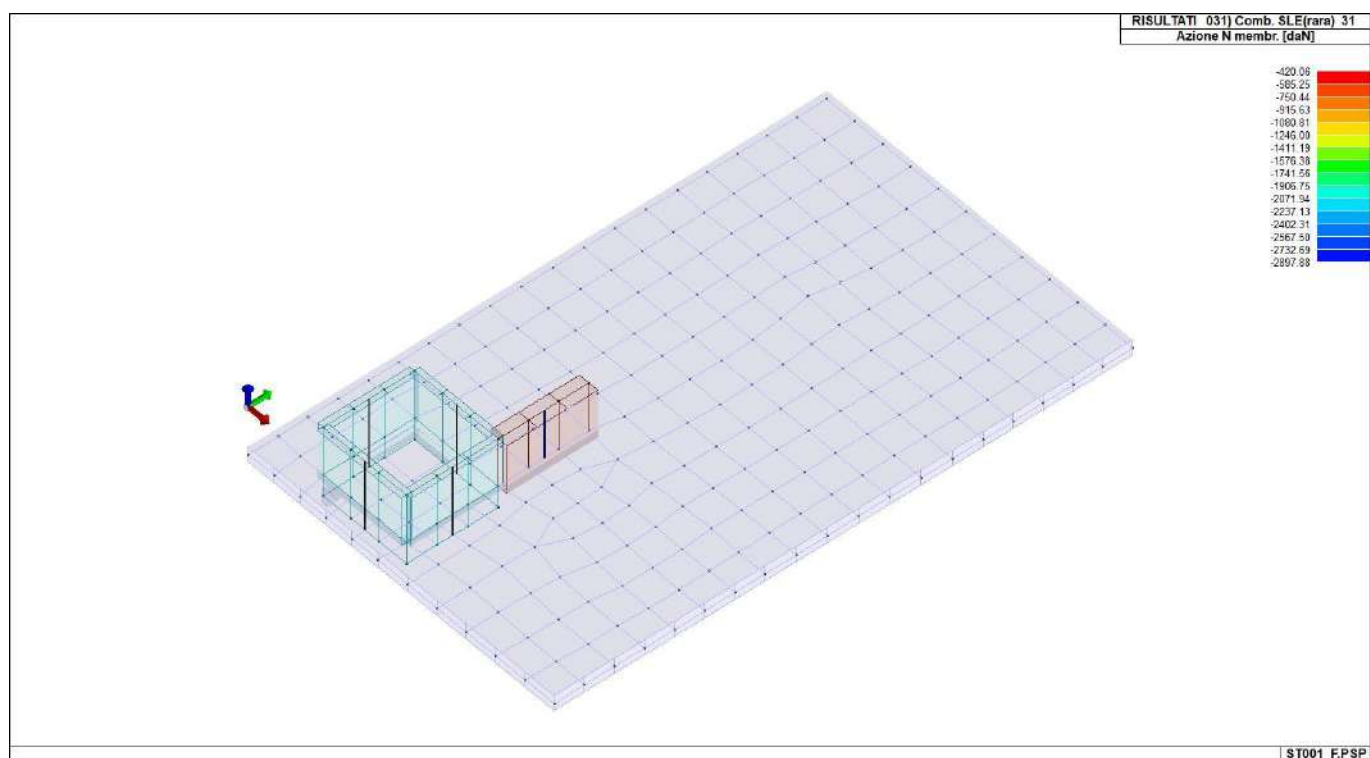
47_RIS_M_115_Comb SLE SLD Danno sism 115



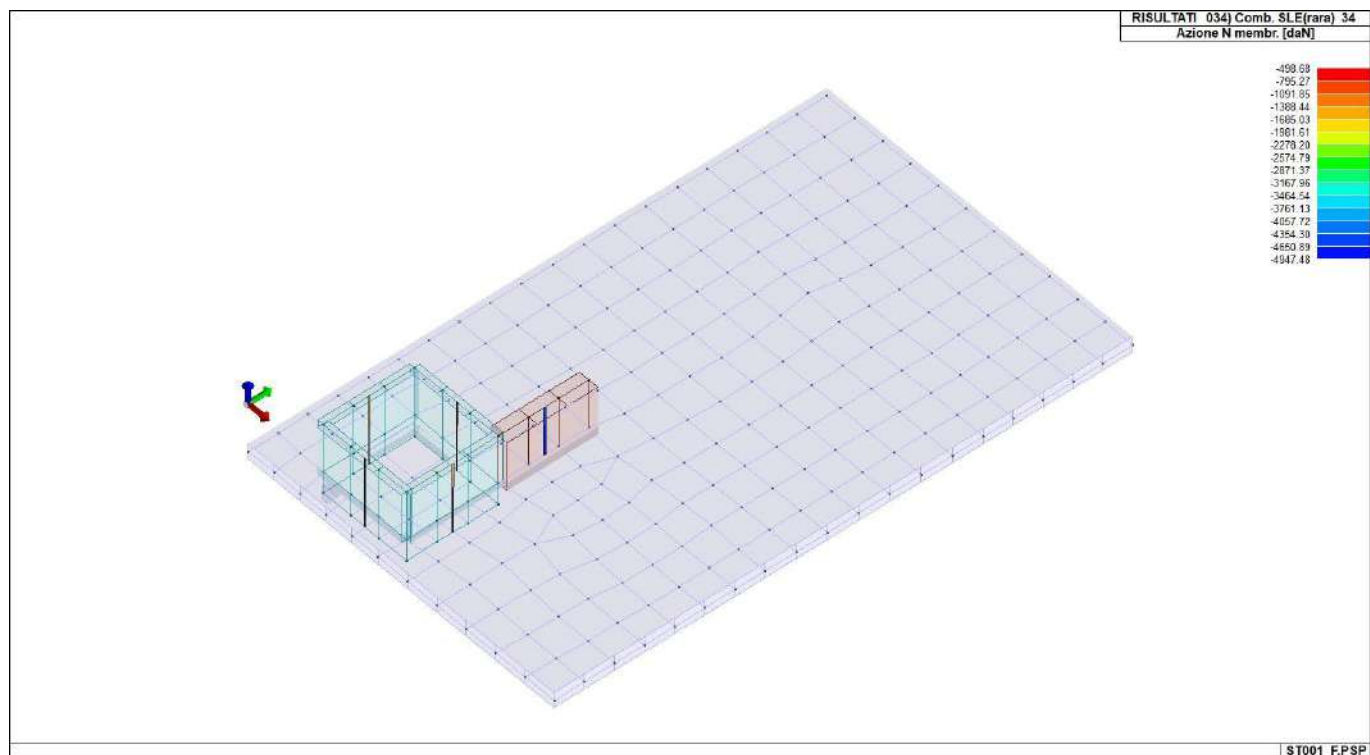
47_RIS_N_004_Comb SLU A1 4



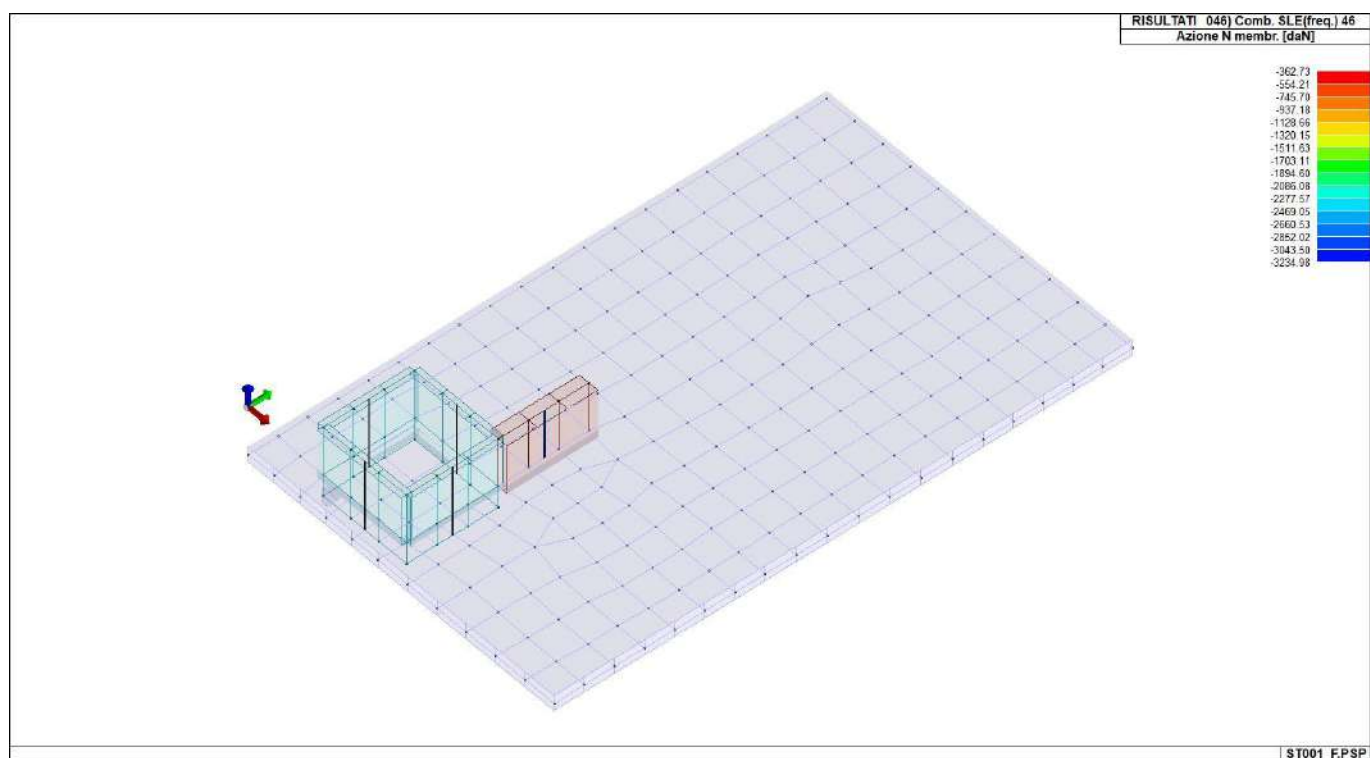
47_RIS_N_005_Comb SLU A1 5



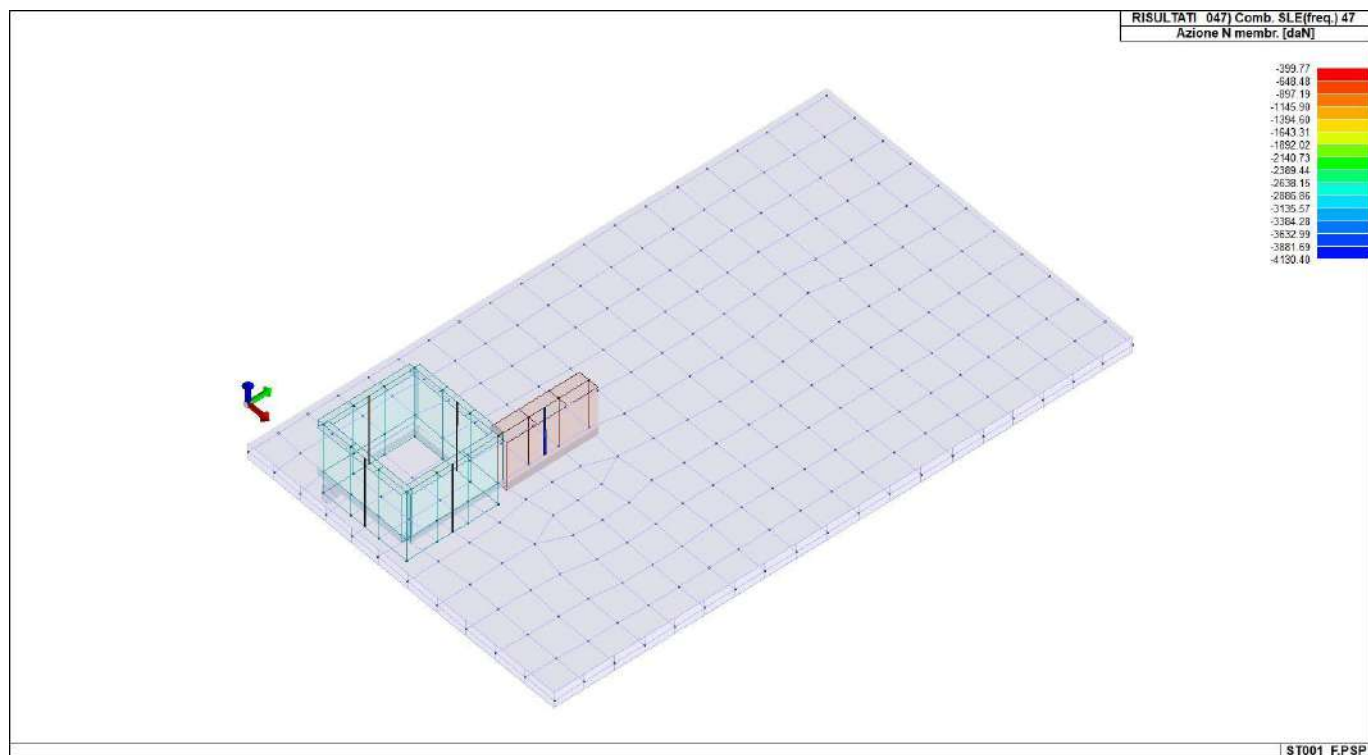
47_RIS_N_031_Comb SLErara 31



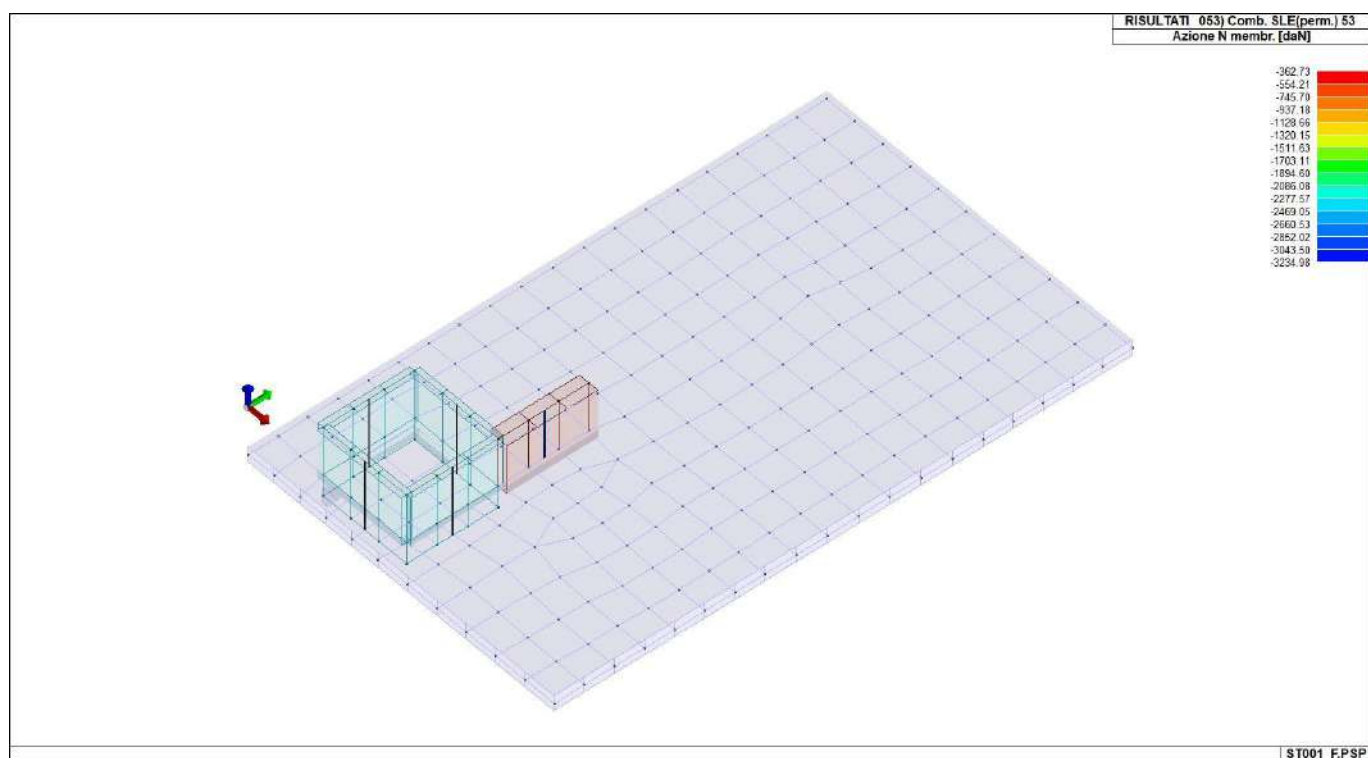
47_RIS_N_034_Comb SLErara 34



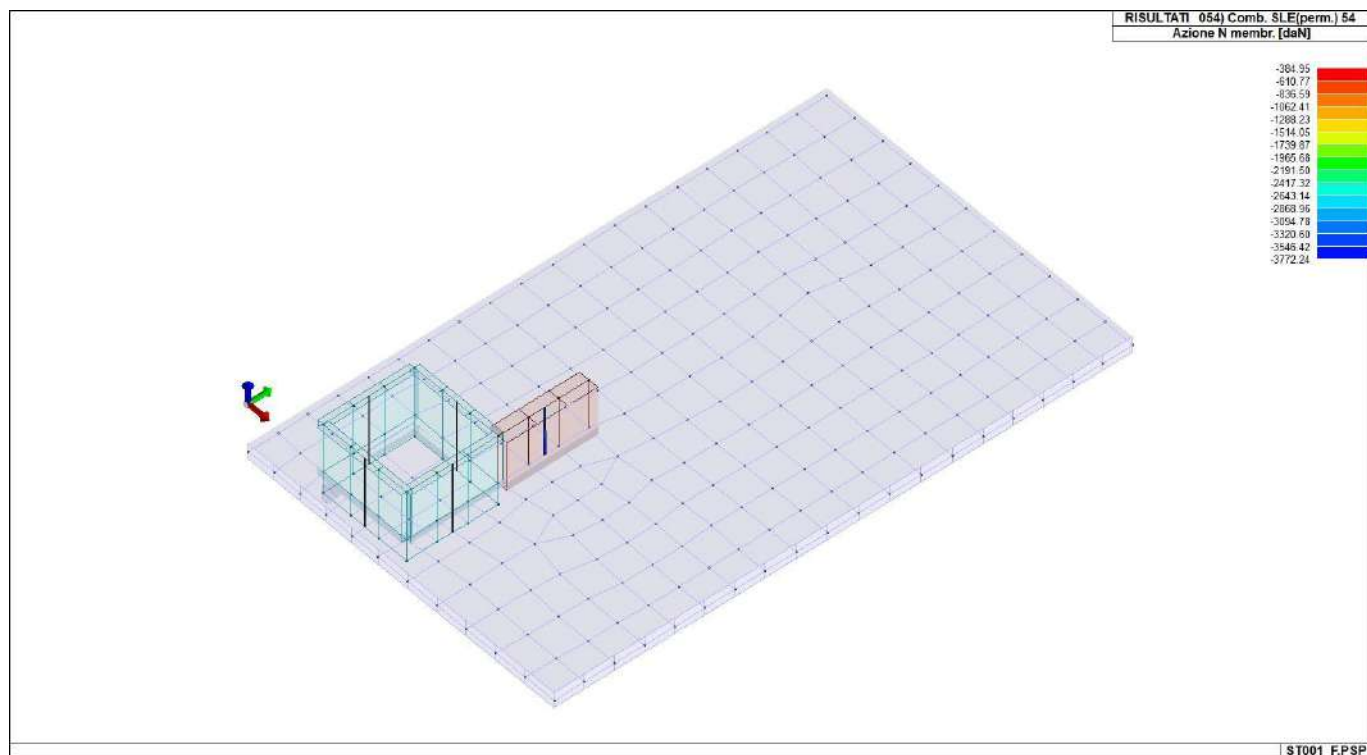
47_RIS_N_046_Comb SLEfreq 46



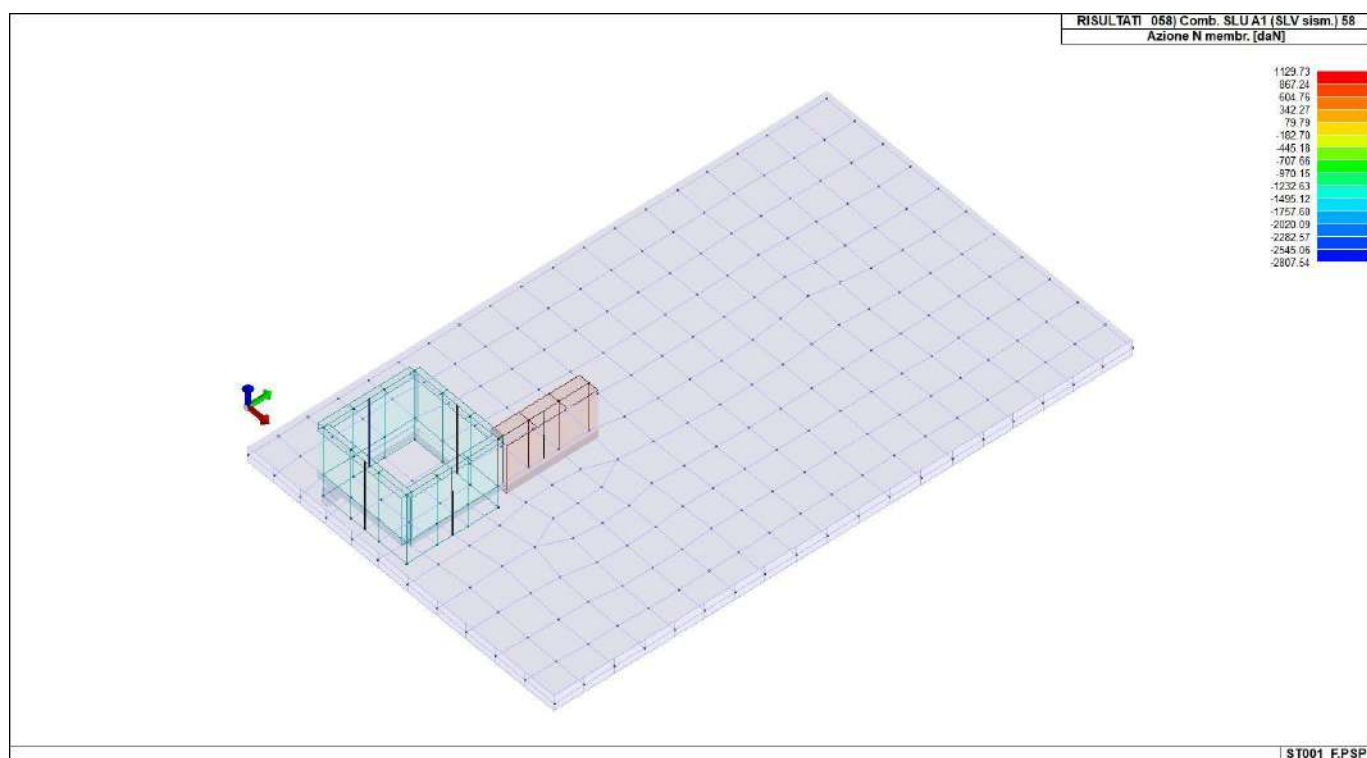
47_RIS_N_047_Comb SLEfreq 47



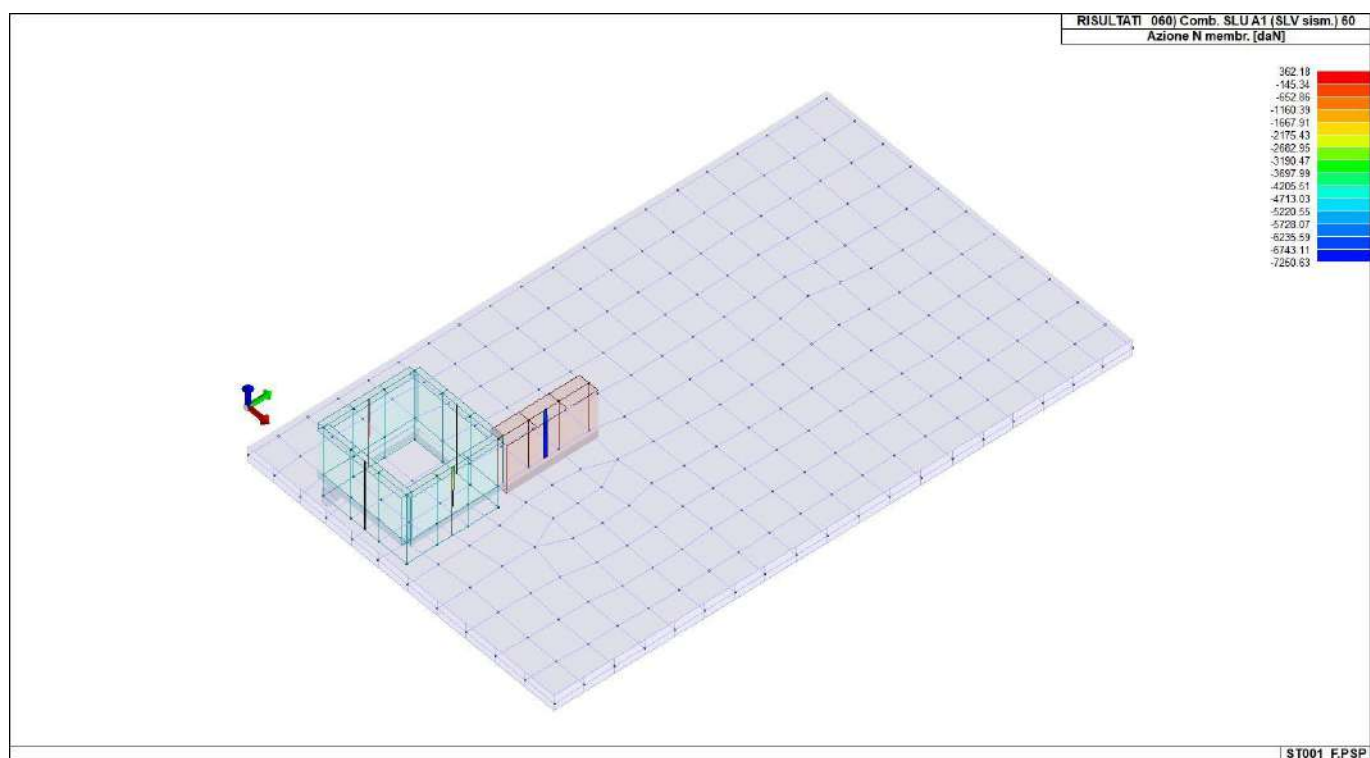
47_RIS_N_053_Comb SLEperm 53



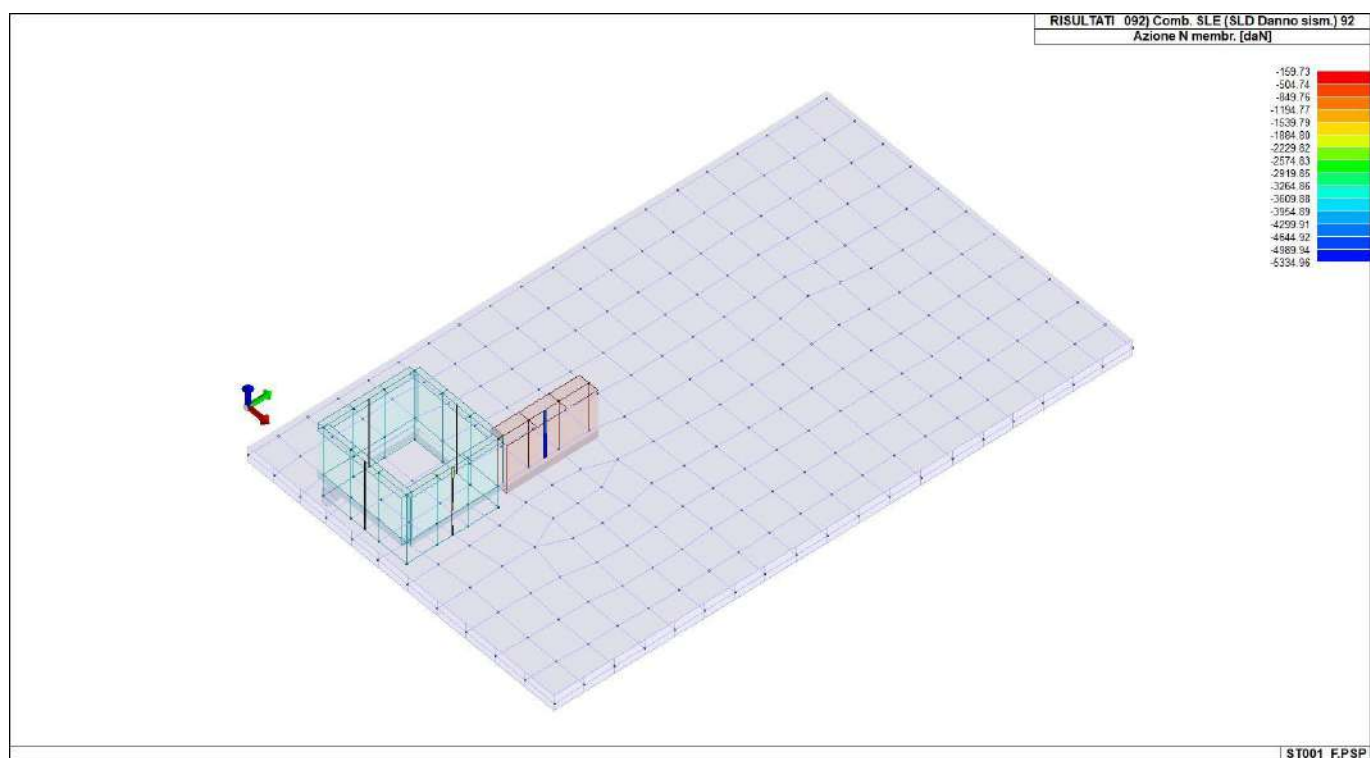
47_RIS_N_054_Comb SLEperm 54



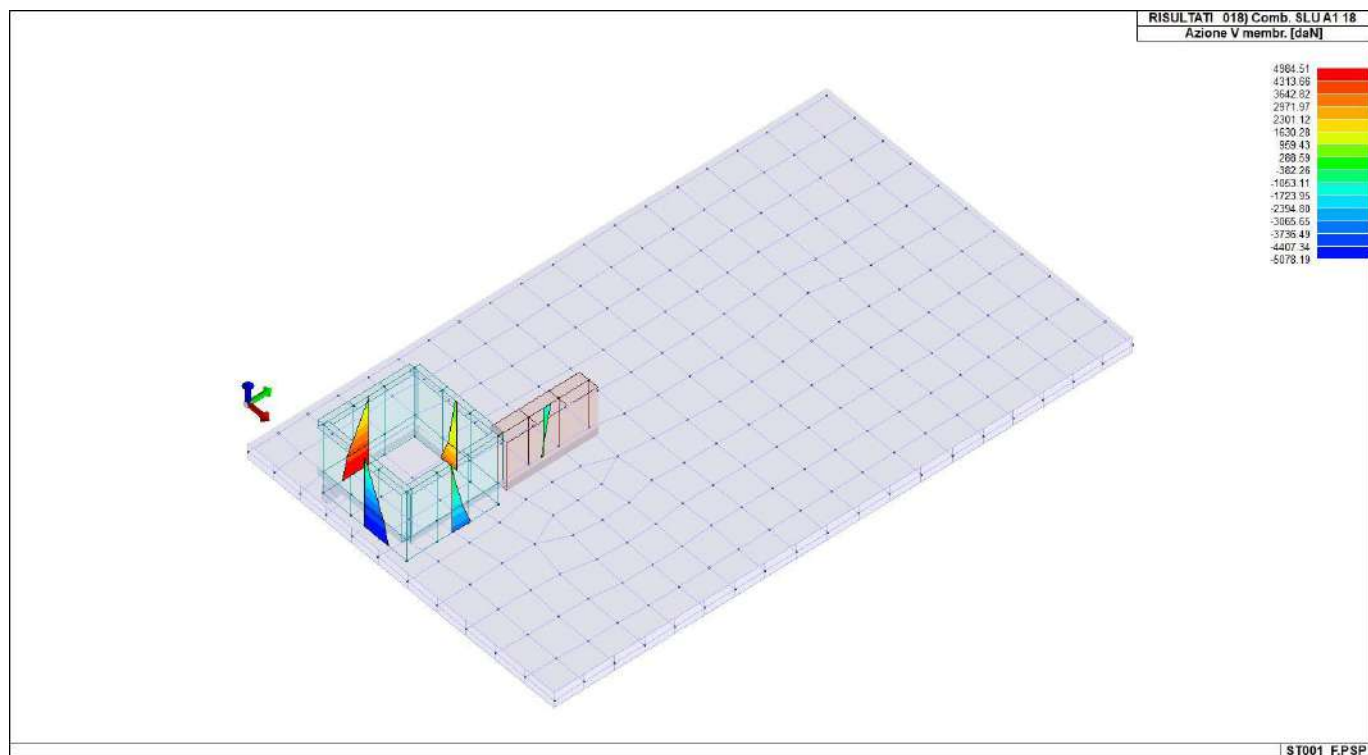
47_RIS_N_058_Comb SLU A1 SLV sism 58



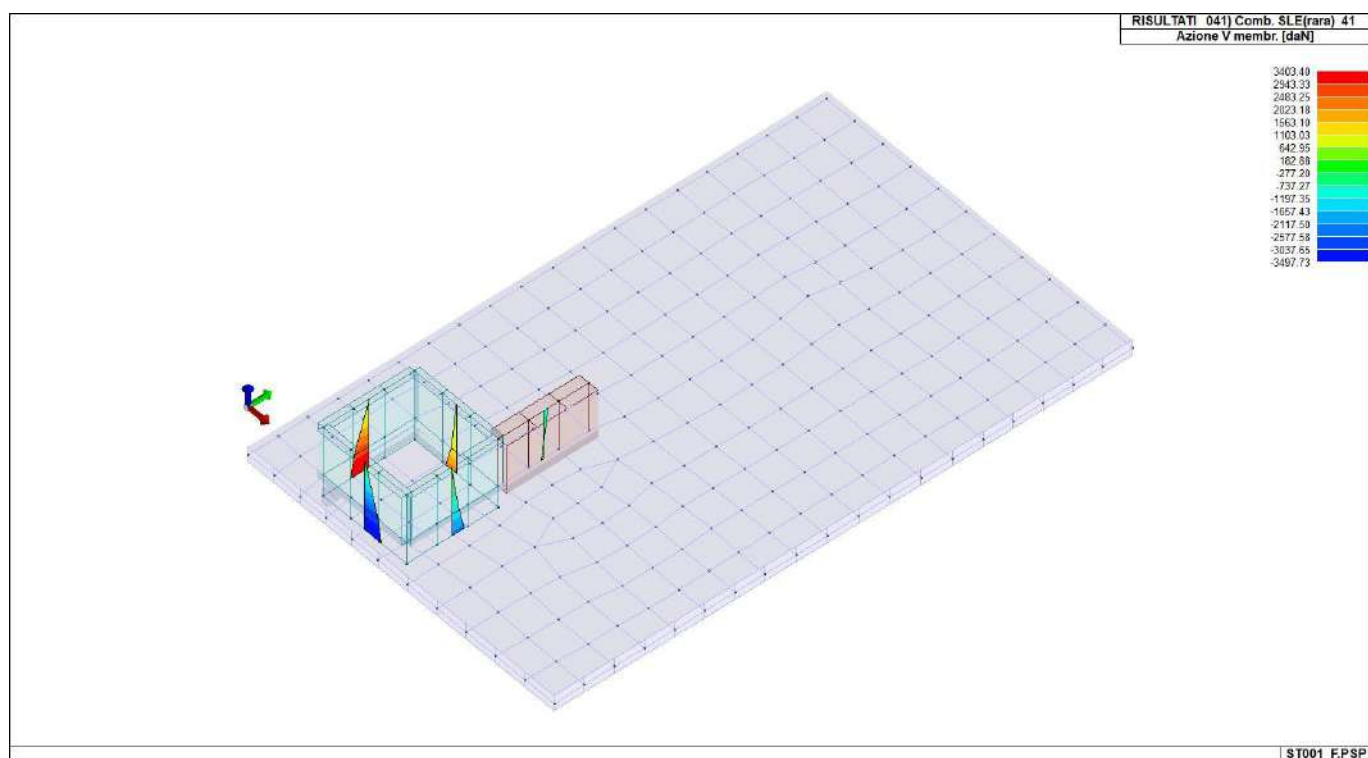
47_RIS_N_060_Comb SLU A1 SLV sism 60



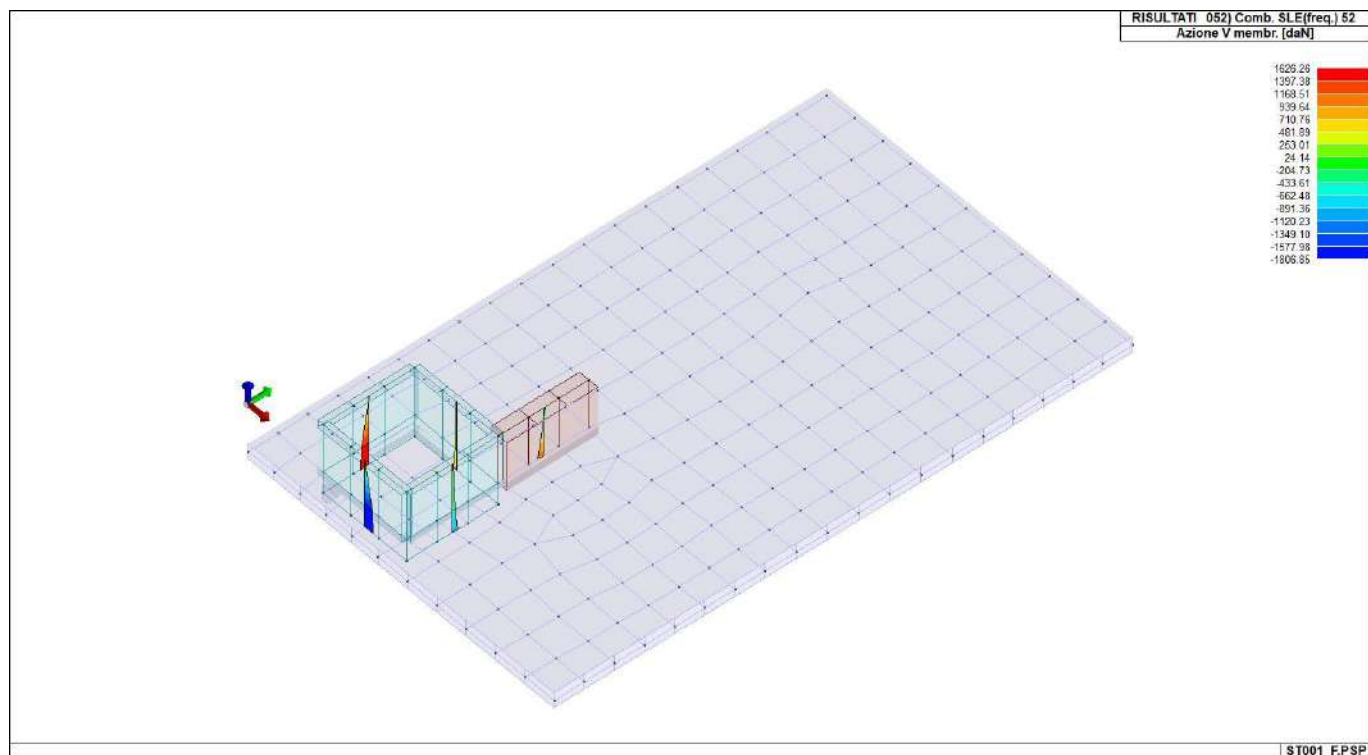
47_RIS_N_092_Comb SLE SLD Danno sism 92



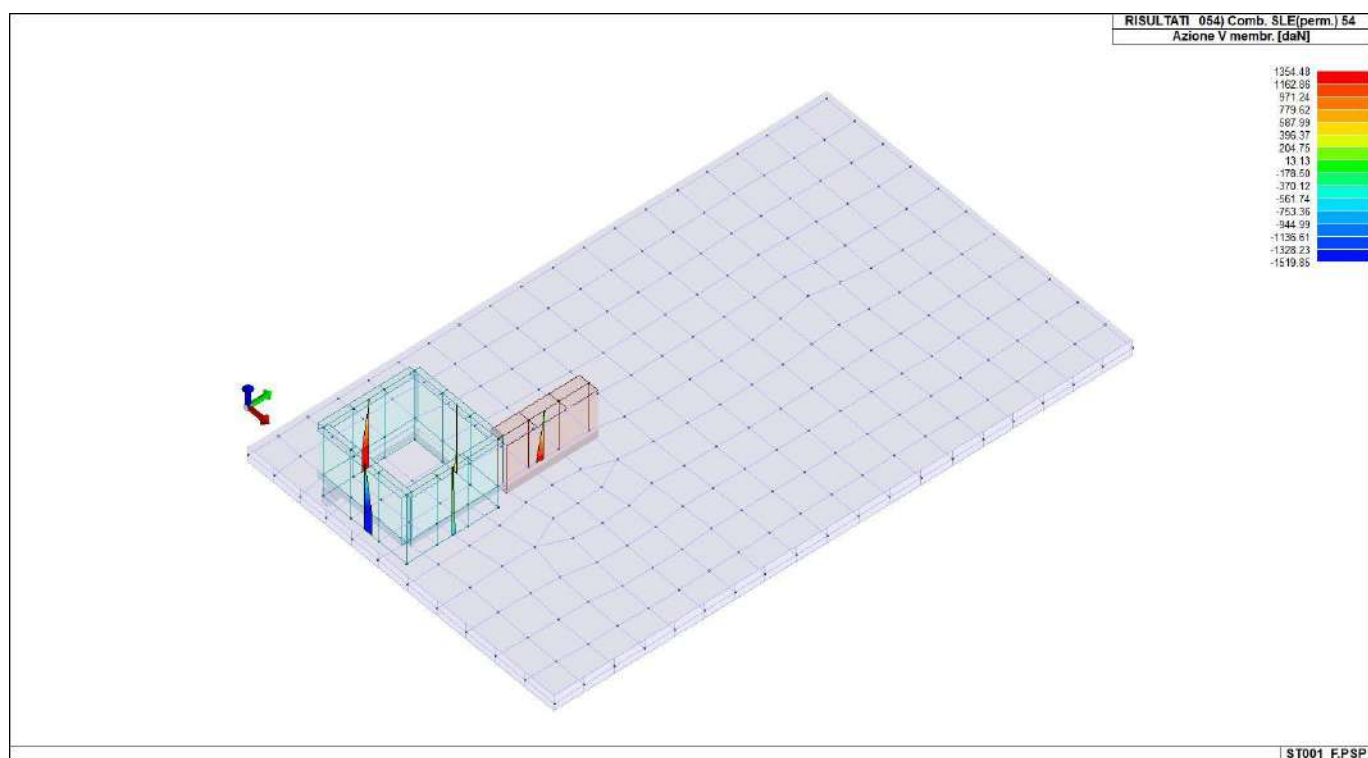
47_RIS_V_018_Comb SLU A1 18



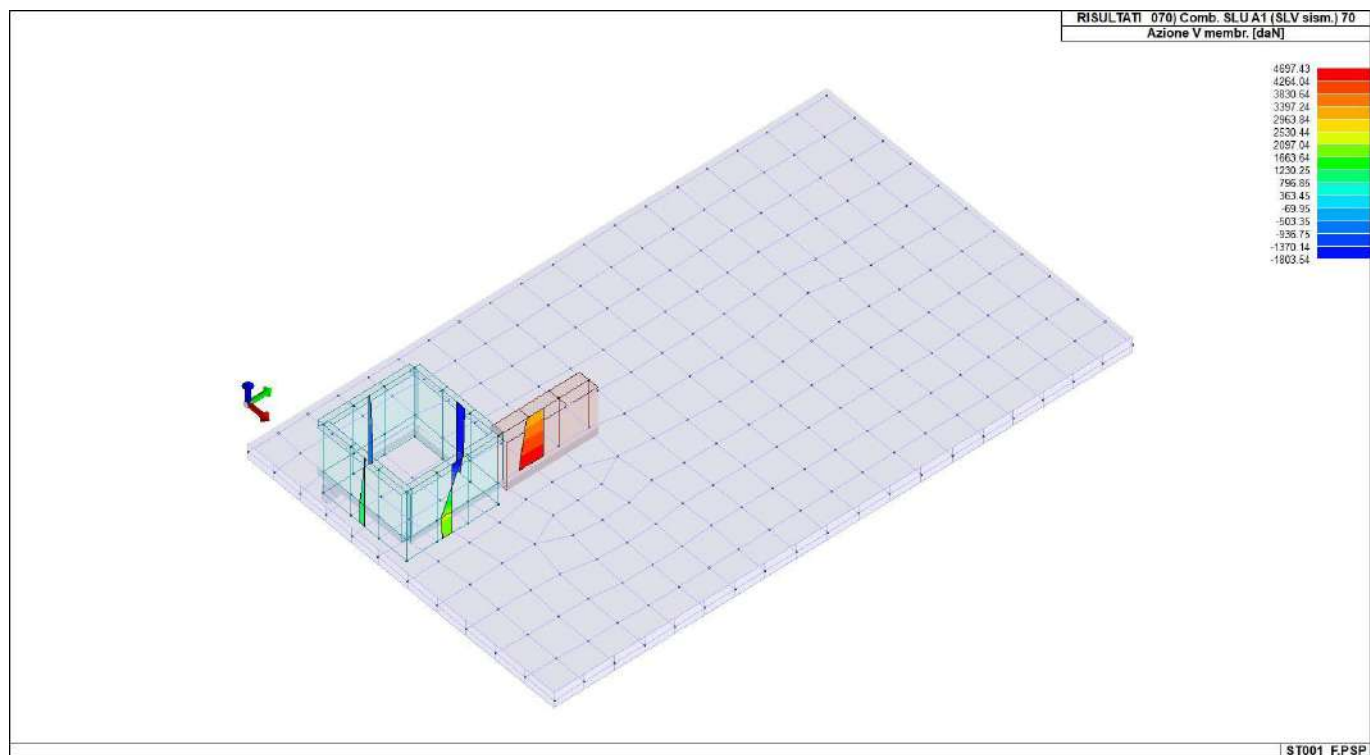
47_RIS_V_041_Comb SLErara 41



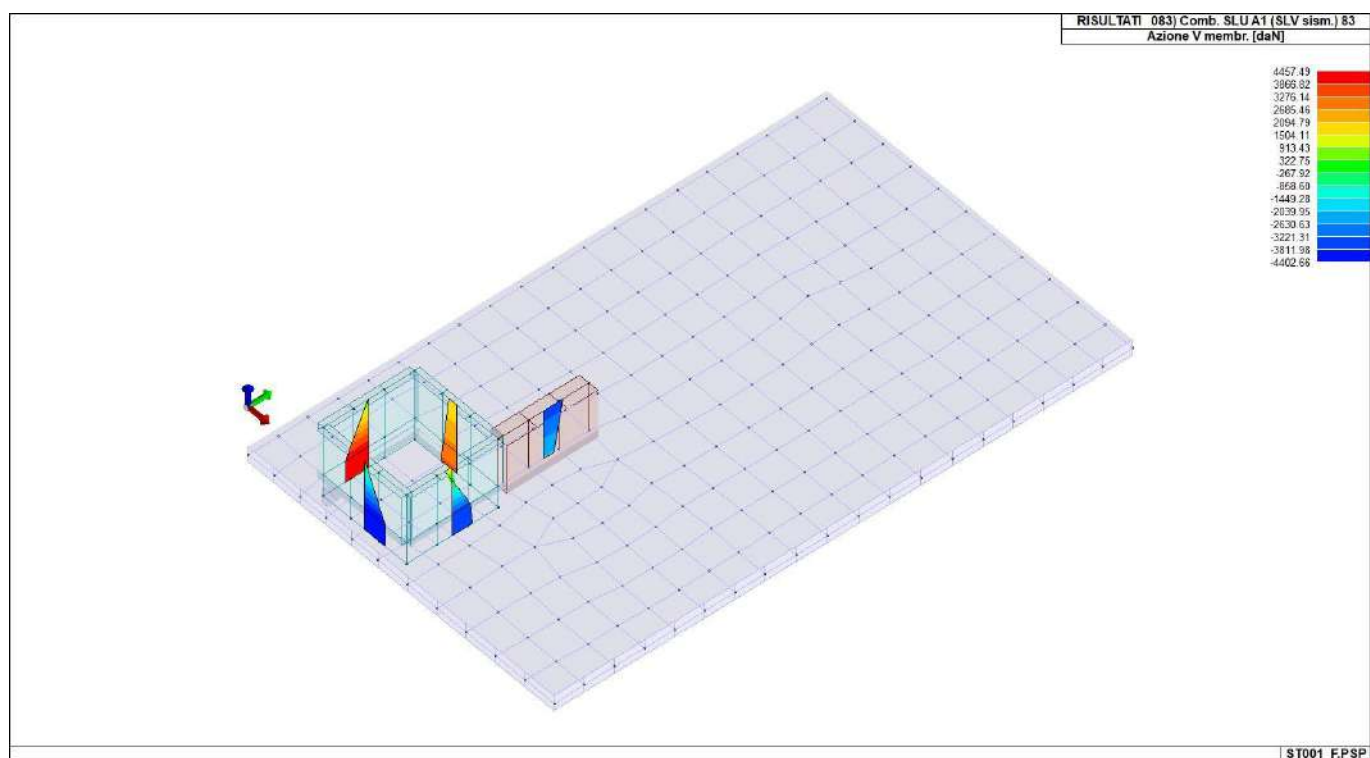
47_RIS_V_052_Comb SLEfreq 52



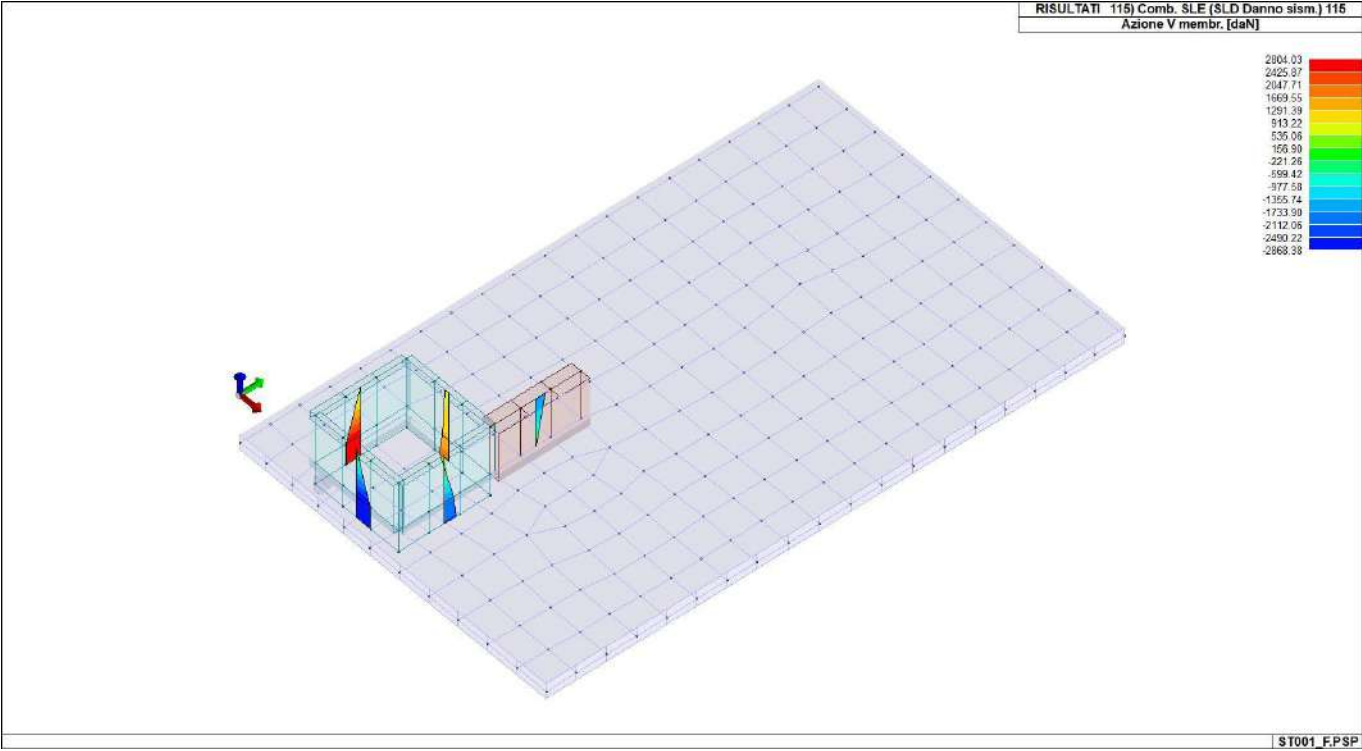
47_RIS_V_054_Comb SLEperm 54



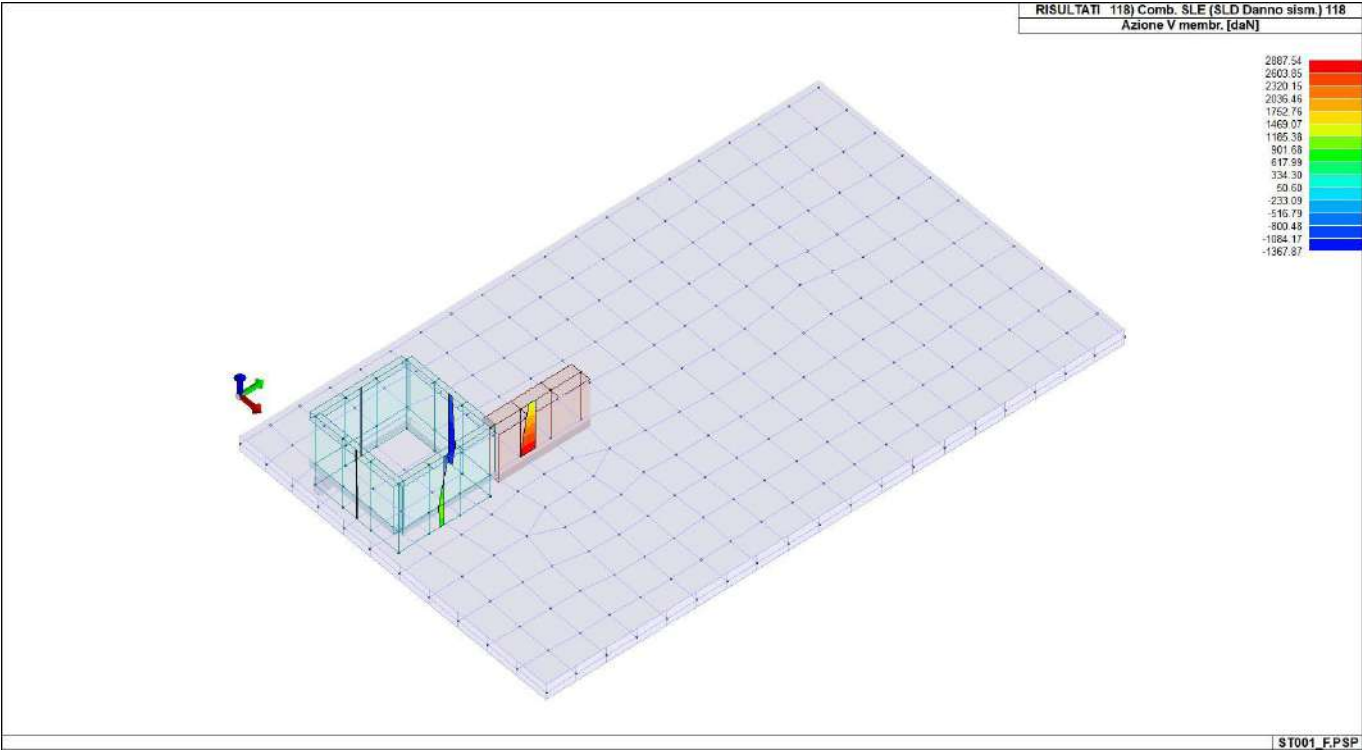
47_RIS_V_070_Comb SLU A1 SLV sism 70



47_RIS_V_083_Comb SLU A1 SLV sism 83



47_RIS_V_115_Comb SLE SLD Danno sism 115



47_RIS_V_118_Comb SLE SLD Danno sism 118

Macro	Tipo	Angolo 1-X (gradi)
6	Guscio	0.0

M_G	Cmb	Nodo	N max daN/cm	N min daN/cm	N 1 daN/cm	N 2 daN/cm	N 1-2 daN/cm	M max daN	M min daN	M 1 daN	M 2 daN	M 1-2 daN
6	3	99	18.11	-8.18	-7.49	17.42	4.22	1333.98	504.51	1106.74	731.75	369.93
6	3	100	17.59	-44.73	16.73	-43.88	7.26	-175.73	-2698.42	-2247.71	-626.43	966.36
6	3	101	29.94	-24.68	-24.19	29.45	-5.19	-862.23	-2970.73	-1048.95	-2784.00	-599.04
6	3	102	65.45	42.97	65.15	43.27	-2.56	-199.57	-846.25	-838.48	-207.34	70.45
6	3	103	27.11	-27.08	10.42	-10.40	-25.01	3954.27	-3782.64	3440.61	-3268.98	-1926.20
6	3	104	20.27	-1.95	-1.51	19.83	-3.09	-2666.78	-2980.58	-2833.53	-2813.83	156.59
6	3	105	-2.95	-8.46	-4.20	-7.22	-2.30	89.37	-3634.89	-3398.11	-147.41	-908.71
6	3	106	-0.72	-2.75	-2.70	-0.77	-0.32	-2154.80	-2488.41	-2242.22	-2400.99	-146.70
6	3	107	2.64	-53.29	-19.66	-30.99	27.38	-1614.67	-1.484e+04	-1.181e+04	-4646.62	5558.56
6	3	108	7.68	-7.88	7.67	-7.87	-0.38	375.81	-1715.68	-236.26	-1103.61	-951.58
6	3	109	2.41	-11.24	2.37	-11.20	0.72	980.92	-3379.26	969.39	-3367.74	223.87
6	3	110	1.23	0.30	0.63	0.90	0.45	1755.97	-1918.02	1752.09	-1914.15	119.19
6	3	111	-31.29	-70.89	-31.29	-70.89	-0.22	810.13	-1008.02	741.41	-939.31	-346.72
6	3	112	62.03	39.56	61.93	39.66	1.52	-153.73	-1392.73	-912.38	-634.08	-603.67
6	3	113	-19.90	-56.36	-55.35	-20.91	5.97	1311.27	-790.43	-718.17	1239.01	-382.94
6	3	115	-19.22	-48.55	-48.51	-19.26	-0.98	728.78	-438.02	-154.63	445.38	-500.35
6	3	117	21.19	-17.66	5.19	-1.67	-19.12	422.21	-487.52	-43.16	-22.15	-454.74
6	3	119	11.53	2.60	8.17	5.96	-4.32	-8.42	-849.99	-804.76	-53.64	-189.77
6	3	121	25.03	6.76	6.88	24.91	-1.45	-17.87	-680.99	-667.44	-31.42	-93.83
6	3	123	4.43	0.97	3.58	1.82	-1.49	221.29	-494.18	-198.42	-74.48	-352.32
6	3	125	-10.34	-31.64	-10.50	-31.48	1.85	572.31	-112.56	425.23	34.52	-281.24
6	3	127	6.76	-0.89	-0.85	6.71	-0.55	-27.40	-839.81	-30.45	-836.76	-49.65
6	3	129	19.25	1.92	17.82	3.34	4.76	-10.82	-399.35	-12.49	-397.67	25.44
6	3	131	25.98	8.72	8.77	25.93	-0.94	-165.11	-863.88	-834.79	-194.20	139.58
6	3	133	22.87	0.28	0.53	22.62	-2.38	-456.61	-1313.83	-1283.18	-487.26	159.18
6	3	134	0.31	-0.47	-0.42	0.27	-0.19	0.48	-4.95	-2.96	-1.50	-2.61
6	3	135	2.97	-9.64	-6.86	0.18	-5.23	2822.68	-1046.04	1029.71	746.93	-1929.18
6	3	136	2.22	-5.17	-4.84	1.90	-1.51	1360.57	-417.05	933.60	9.92	-759.40
6	3	137	5.99e-02	-4.19	-4.15	2.16e-02	-0.40	1267.96	-252.48	1053.69	-38.21	-529.03
6	3	138	-6.15e-02	-3.41	-3.38	-9.79e-02	-0.35	1042.78	-149.15	919.23	-25.59	-363.32
6	3	139	-5.38e-02	-2.92	-2.87	-9.53e-02	-0.34	791.49	-80.91	725.85	-15.27	-230.13
6	3	140	-3.24e-02	-2.55	-2.50	-7.94e-02	-0.34	614.22	-36.69	584.74	-7.21	-135.35
6	3	141	-4.00e-03	-2.20	-2.15	-5.73e-02	-0.34	517.89	-15.10	505.10	-2.31	-81.57
6	3	142	3.07e-02	-1.80	-1.73	-3.18e-02	-0.33	450.78	-8.69	442.37	-0.28	-61.60
6	3	143	7.15e-02	-1.33	-1.25	-9.18e-03	-0.33	358.71	-9.59	349.59	-0.46	-57.24
6	3	144	0.10	-0.88	-0.73	-3.86e-02	-0.35	206.59	-13.88	195.57	-2.86	-48.05
6	3	145	0.21	-0.28	-0.27	0.20	8.19e-02	161.38	-49.92	-13.51	124.97	-79.80
6	3	146	0.28	-0.29	-0.28	0.28	5.84e-02	252.66	-113.01	-22.34	161.99	-157.91
6	3	147	0.36	-0.40	-0.39	0.35	9.24e-02	276.16	-256.84	-54.23	73.54	-258.73
6	3	148	0.69	7.10e-02	0.12	0.65	0.17	136.60	-690.84	-338.89	-215.35	-409.09
6	3	149	0.69	0.47	0.64	0.52	-9.46e-02	213.77	-506.06	-362.84	70.56	287.36
6	3	150	-0.38	-1.21	-0.38	-1.21	1.03e-02	592.76	-92.96	-59.29	559.08	148.18
6	3	151	-0.11	-2.71	-0.11	-2.70	0.11	784.11	-34.54	-34.45	784.02	-8.59
6	3	152	-7.03e-02	-4.72	-7.40e-02	-4.72	0.13	834.84	-71.38	-37.21	800.66	-172.64
6	3	153	7.89e-02	-7.11	7.82e-02	-7.11	-7.04e-02	743.08	-227.76	-53.19	568.51	-372.83
6	3	154	-1.41	-10.14	-1.44	-10.11	0.47	607.81	-811.03	-214.74	11.52	-700.34
6	3	155	-0.13	-14.15	-0.14	-14.14	-0.39	646.57	-610.97	-235.63	271.23	575.43
6	3	156	-0.27	-15.96	-0.27	-15.95	0.19	1203.40	-119.85	-66.69	1150.24	259.84
6	3	157	-0.14	-14.93	-0.14	-14.93	-8.14e-02	1680.78	-58.69	-58.17	1680.26	-30.04
6	3	158	-5.09e-02	-11.57	-5.32e-02	-11.57	-0.16	2207.49	-118.79	-61.82	1960.52	-344.18
6	3	159	-0.20	-7.41	-0.20	-7.41	-4.69e-03	2207.96	-290.33	-59.88	1977.51	-722.93
6	3	160	-0.64	-6.31	-1.12	-5.82	1.59	2631.86	-813.79	-15.10	1833.17	-1454.00
6	3	161	5.57	2.49	4.94	3.13	-1.24	2664.53	-517.01	2032.03	115.50	-1269.75
6	3	162	0.18	-3.51	-3.43	0.11	-0.51	2384.96	-239.57	2179.47	-34.08	-705.05
6	3	163	-0.21	-12.64	-12.60	-0.25	-0.69	2096.45	-117.79	2028.26	-49.60	-382.54
6	3	164	-1.48	-21.58	-21.57	-1.49	0.25	1534.81	-41.53	1520.94	-27.65	-147.23
6	3	165	19.33	-11.58	-9.48	17.23	7.77	530.70	45.59	529.79	46.49	-20.89
6	3	166	46.99	12.24	44.68	14.55	-8.65	1104.29	-673.27	367.11	63.91	-875.76
6	3	167	6.82	-29.13	-22.14	-0.18	-14.24	566.49	-578.74	26.63	-38.88	-571.68
6	3	168	-4.66	-93.91	-93.78	-4.80	-3.48	439.76	-742.38	-553.31	250.69	-433.32
6	3	169	4.27	-37.19	-35.15	2.22	8.98	110.11	-710.51	-369.34	-231.06	-404.44
6	3	170	5.51	-6.49	4.31	-5.29	3.60	344.42	-682.79	-208.59	-129.78	-512.09
6	3	171	-0.15	-4.97	-2.50	-2.63	-2.41	564.23	-502.59	-21.42	83.05	-530.84
6	3	172	41.15	12.72	13.38	40.49	-4.29	741.65	-654.75	137.32	-50.42	-691.86
6	3	173	22.76	2.59	4.59	20.77	6.03	144.00	-198.16	82.53	-136.69	131.35
6	3	174	15.59	6.69	11.09	11.19	4.45	-268.36	-776.59	-774.16	-270.79	-35.05
6	3	175	-7.99	-32.73	-8.00	-32.71	-0.66	898.13	-1464.05	-593.61	27.70	1139.50
6	3	176	0.85	-21.58	0.82	-21.54	0.87	1018.71	-392.30	-103.34	729.76	569.41
6	3	177	0.17	-15.63	0.17	-15.63	6.13e-02	1237.28	-141.62	-44.43	1140.09	352.94
6	3	178	0.24	-10.87	0.24	-10.86	9.67e-02	1272.38	-52.36	-23.30	1243.31	194.06
6	3	179	0.67	-7.29	0.67	-7.29	-6.39e-02	1181.45	34.63	36.69	1179.39	48.54
6	3	180	9.90e-02	-5.04	8.55e-02	-5.03	-0.26	1029.20	537.06	555.60	1010.66	-93.70
6	3	181	-2.66	-7.01	-2.82	-6.86	0.80	1001.59	634.02	635.49	1000.12	23.19

6	3	182	1.95	-3.42	1.90	-3.37	0.51	1272.42	-60.29	42.71	1169.42	-355.89
6	3	183	4.80	-3.78	4.67	-3.65	-1.05	1504.42	-104.12	163.47	1236.83	-599.02
6	3	184	-10.50	-17.25	-11.18	-16.58	-2.03	3152.32	294.88	2065.52	1381.68	-1387.20
6	3	185	-0.80	-5.98	-0.81	-5.98	-7.44e-02	1429.87	-196.94	246.07	986.86	-724.18
6	3	186	0.23	-7.59	-0.19	-7.18	-1.74	1052.03	198.30	219.08	1031.26	131.55
6	3	187	0.58	-9.82	-0.25	-8.99	-2.83	1221.22	161.32	278.61	1103.92	332.51
6	3	188	0.89	-12.83	-0.38	-11.56	-3.97	1306.25	41.22	367.32	980.15	553.34
6	3	189	1.59	-17.04	-0.40	-15.05	-5.75	1354.95	-276.45	552.32	526.18	815.60
6	3	190	23.43	-13.79	7.45	2.19	-18.43	1070.03	-1043.13	43.29	-16.39	-1056.16
6	3	191	1.74	-8.52	0.56	-7.34	-3.27	1917.10	438.17	742.58	1612.69	-597.95
6	3	192	1.25	-9.45	0.96	-9.17	-1.74	1407.98	640.94	657.93	1390.98	-112.91
6	3	193	1.19	-9.70	1.18	-9.69	0.17	1127.24	434.82	680.66	881.40	331.34
6	3	194	0.91	-5.76	-0.15	-4.71	2.44	966.98	-80.57	501.93	384.48	-520.47
6	3	195	0.67	-4.17	-0.36	-3.14	1.98	809.81	220.68	386.91	643.59	-265.14
6	3	196	0.61	-2.91	-0.40	-1.90	1.59	642.98	345.21	348.67	639.52	-31.92
6	3	197	0.79	-1.94	-0.30	-0.85	1.34	590.36	212.43	385.06	417.73	188.26
6	3	198	0.27	-0.43	-0.43	0.27	-7.03e-03	577.74	-288.25	317.01	-27.52	-397.25
6	3	199	-1.13e-02	-1.70	-1.68	-2.43e-02	-0.15	474.46	2.77	448.43	28.80	-107.72
6	3	200	-6.16e-02	-2.20	-2.18	-8.27e-02	-0.21	507.75	42.77	473.05	77.48	-122.20
6	3	201	-0.14	-2.65	-2.62	-0.17	-0.24	598.45	52.05	493.26	157.24	-215.44
6	3	202	-0.26	-3.09	-3.08	-0.27	-0.17	847.65	-29.69	579.32	238.64	-404.24
6	3	203	-0.38	-3.66	-3.66	-0.38	4.09e-02	1216.65	-171.87	744.38	300.40	-657.81
6	3	204	-0.49	-4.62	-4.56	-0.55	0.47	1581.19	-353.45	873.44	354.31	-931.85
6	3	205	8.30	-19.22	5.68	-16.60	8.09	712.19	-667.06	673.17	-628.05	-228.67
6	3	206	6.66	-17.22	-4.88	-5.68	-11.94	1117.69	-1111.37	236.28	-229.96	-1089.88
6	3	207	8.32	-19.23	-16.97	6.06	7.57	1043.75	-1156.07	943.47	-1055.79	-458.84
6	3	208	22.60	-18.79	19.03	-15.22	11.62	776.29	-796.59	143.25	-163.55	-771.34
6	3	209	-0.20	-16.78	-2.72	-14.27	-5.95	1559.40	-1128.40	1128.08	-697.08	986.55
6	3	210	15.51	-10.48	15.40	-10.36	-1.74	1442.36	-511.64	1153.34	-222.63	-693.69
6	3	211	0.91	-6.64	9.92e-02	-5.83	2.34	1208.29	-738.53	844.90	-375.13	-758.56
6	3	212	-0.37	-7.21	-6.57	-1.00	1.99	1775.76	-657.01	723.71	395.04	-1205.23
6	3	213	-0.54	-8.94	-2.61	-6.86	3.62	1647.36	-453.20	176.64	1017.53	-962.45
6	3	214	0.19	-0.53	-0.53	0.19	-1.71e-02	423.48	-114.66	228.48	80.33	-258.67
6	3	215	2.84e-02	-1.15	-1.14	2.18e-02	-8.75e-02	409.63	-22.09	365.16	22.38	-131.23
6	3	216	1.43	-9.01	1.08	-8.67	1.86	1305.48	-427.07	938.69	-60.28	707.78
6	3	217	-0.38	-6.04	-0.50	-5.91	-0.83	876.52	-7.77	5.67	863.08	-108.19
6	3	218	0.88	-1.17	-1.05e-02	-0.28	1.02	815.54	-261.01	633.34	-78.81	403.67
6	3	219	-1.60	-5.68	-2.10	-5.18	-1.35	901.41	-327.85	23.51	550.06	-555.39
6	3	220	0.23	-0.27	-0.23	0.20	0.13	844.02	-626.60	609.08	-391.65	-538.81
6	3	221	6.12	-12.29	-10.04	3.87	-6.03	1440.62	275.29	1319.62	396.28	-355.47
6	3	222	1.59	-6.71	-0.31	-4.81	-3.48	2409.99	18.42	863.24	1565.17	-1143.12
6	3	223	4.46	-10.44	-5.98	-9.81e-05	-6.82	2075.63	199.88	1793.56	481.95	-670.47
6	3	224	8.42	-14.16	6.99	-12.74	5.49	1521.84	-1035.91	1503.43	-1017.49	216.27
6	3	225	1.34	-8.22	0.83	-7.70	2.15	1395.65	-907.53	1395.40	-907.28	-24.04
6	3	226	-2.00	-4.84	-2.00	-4.84	8.52e-02	719.74	105.49	364.06	461.17	-303.26
6	3	227	0.41	-0.34	-1.73e-02	9.34e-02	0.37	827.62	-594.69	825.56	-592.64	-54.07
6	3	228	4.13	-7.43	-2.63	-0.67	-5.70	2496.57	-24.40	1821.66	650.51	-1116.21
6	3	231	-0.13	-12.55	-9.15	-3.54	5.54	1123.75	-1352.92	-553.16	323.99	-1158.07
6	3	232	7.00e-02	-0.54	-0.54	6.93e-02	-2.09e-02	297.06	-37.33	194.42	65.31	-154.23
6	3	233	1.82	-4.01	-1.71	-0.48	-2.85	2959.88	-788.28	1239.02	932.58	-1867.81
6	3	234	15.08	-24.26	-23.39	14.20	-5.79	519.49	303.01	458.94	363.55	-97.17
6	3	235	-0.26	-2.83	-2.77	-0.33	-0.40	388.83	146.87	333.56	202.15	-101.59
6	3	236	-0.61	-3.12	-3.08	-0.65	-0.30	647.16	9.50	314.32	342.35	-318.52
6	3	237	1.50	-3.28	-1.09	-0.68	2.38	616.49	484.63	604.88	496.23	-37.36
6	3	238	0.89	-7.85	-1.31	-5.65	-3.79	1043.59	329.97	429.60	943.96	247.33
6	3	239	1.86	-4.03	-1.04	-1.14	2.94	755.17	417.39	681.00	491.55	-139.82
6	3	240	1.81	-9.66	-1.59	-6.26	-5.24	1054.99	332.49	557.50	829.98	334.57
6	3	241	-1.05	-3.39	-3.39	-1.05	4.51e-02	1052.98	-138.73	474.18	440.07	-595.61
6	3	242	4.25	-6.43	3.63	-5.81	-2.50	1265.72	925.18	1184.79	1006.12	-144.95
6	3	243	-5.98e-02	-2.35	-2.31	-9.67e-02	-0.29	446.76	73.45	442.80	77.40	-38.20
6	3	244	2.72	-10.83	-1.53	-6.58	-6.29	1043.52	190.06	813.20	420.39	378.84
6	3	245	2.33	-4.72	-0.72	-1.68	3.49	954.82	196.50	879.19	272.13	-227.23
6	3	246	7.16e-02	-6.19	-1.04	-5.08	-2.39	857.53	358.35	386.74	829.15	115.61
6	3	247	1.23	-2.57	-0.99	-0.35	1.87	642.87	303.61	636.16	310.32	47.24
6	3	248	3.66	-5.79	3.63	-5.75	0.58	1237.80	578.73	1211.66	604.86	128.61
6	3	249	18.00	-18.34	16.81	-17.15	-6.45	1090.60	-332.77	1085.37	-327.54	-86.17
6	3	250	-1.44	-4.08	-3.83	-1.68	0.77	1411.13	-208.30	656.40	546.43	-807.85
6	3	251	2.25e-02	-1.74	-1.72	8.39e-03	-0.16	503.05	1.93	489.85	15.12	-80.23
6	3	252	4.02	-10.62	1.18	-7.79	-5.78	1217.21	-216.96	1162.02	-161.77	275.87
6	3	253	19.05	-29.80	17.34	-28.10	-8.97	862.86	-522.23	812.69	-472.06	-258.79
6	3	254	0.13	-1.07	-1.07	0.13	4.22e-02	604.37	-136.84	545.37	-77.84	-200.63
6	3	255	2.88	-5.24	0.16	-2.52	3.83	1198.37	-103.02	1170.28	-74.92	-189.15
6	3	256	3.89	-5.89	2.93	-4.94	2.90	1366.78	53.50	1330.46	89.82	215.37
6	3	257	0.17	-1.04	-0.96	8.37e-02	0.31	730.63	-233.74	699.57	-202.68	-170.27
6	3	258	-0.68	-4.97	-1.07	-4.59	-1.23	604.46	383.73	434.95	553.25	-93.17
6	3	259	0.90	-1.87	-0.81	-0.16	1.35	741.40	8.22	736.73	12.89	58.29
6	3	260	-2.05	-4.41	-2.22	-4.23	0.62	1318.05	-81.05	533.46	703.54	-694.36

6	3	261	10.18	-11.06	9.72	-10.59	-3.12	1313.38	-446.36	1309.12	-442.10	86.49
6	3	262	3.57	-5.30	1.59	-3.33	3.69	1390.94	-217.05	1390.60	-216.71	23.33
6	3	263	5.36	-7.41	2.40	-4.46	-5.39	1710.22	754.43	1305.36	1159.29	-472.28
6	3	264	-1.59	-4.27	-1.66	-4.19	-0.44	752.03	151.59	529.88	373.74	-289.89
6	3	265	-1.92	-4.28	-1.98	-4.22	-0.39	979.87	24.83	550.24	454.46	-475.12
6	3	266	0.42	-1.20	-0.81	2.50e-02	0.69	803.23	-224.69	800.58	-222.03	-52.18
6	3	268	8.45	-8.95	0.47	-0.97	-8.67	1793.82	531.14	1534.68	790.28	-509.96
6	3	270	17.80	-14.37	-4.25	7.67	-14.94	683.11	113.56	432.80	363.87	-282.68
6	3	271	13.26	-9.23	0.95	3.08	-11.19	1281.28	424.57	1133.58	572.27	-323.61
6	3	272	-1.52	-5.67	-3.98	-3.21	2.04	1596.27	-291.52	564.96	739.79	-939.84
6	3	273	8.89e-02	-1.11	-1.11	8.45e-02	-7.26e-02	481.61	-44.92	424.01	12.68	-164.36
6	3	274	5.31	-8.11	-0.30	-2.50	-6.62	2099.95	480.96	1495.69	1085.21	-783.05
6	3	275	-0.92	-3.30	-3.11	-1.11	-0.64	339.93	-195.45	-78.59	223.07	-221.15
6	3	276	2.85	-3.80	-1.86	0.91	3.02	727.04	454.20	726.99	454.25	-3.56
6	3	277	2.07	-3.35	-1.89	0.60	2.41	642.27	454.21	638.31	458.17	-26.99
6	3	278	1.19	-5.78	-2.46	-2.13	-3.48	931.39	287.94	351.25	868.07	191.66
6	3	279	2.62	-6.83	-2.67	-1.54	-4.69	868.41	370.78	436.31	802.88	168.27
6	3	280	-0.16	-3.45	-3.31	-0.30	-0.67	166.55	4.15	142.54	28.17	57.65
6	3	281	4.41	-7.10	-1.99	-0.70	-5.72	598.70	417.25	562.27	453.68	72.69
6	3	282	-1.61	-2.66	-2.49	-1.77	-0.38	837.79	-342.78	184.47	310.55	-586.91
6	3	283	3.82	-4.08	-1.45	1.18	3.72	916.06	271.29	914.79	272.57	28.63
6	3	284	8.66e-03	-2.56	-2.55	-7.45e-03	-0.20	466.48	-59.80	463.06	-56.38	42.26
6	3	285	-7.87e-02	-4.42	-2.09	-2.41	-2.16	749.93	251.07	318.93	682.07	171.02
6	3	286	1.44	-2.87	-1.80	0.37	1.86	650.74	277.06	644.87	282.93	-46.47
6	3	287	7.20	-2.93	6.92	-2.65	1.64	1323.97	412.87	1323.82	413.02	11.68
6	3	288	12.39	-7.66	8.23	-3.50	-8.13	902.58	-482.82	895.44	-475.68	99.21
6	3	289	6.18	-3.67	1.83	0.68	4.89	1322.74	-76.40	1314.74	-68.40	105.49
6	3	290	8.28	-4.00	7.78	-3.50	-2.42	1358.73	666.33	1322.41	702.65	-154.36
6	3	291	7.33	-6.57	1.72	-0.96	-6.82	774.92	-151.64	774.92	-151.64	-1.09
6	3	292	0.44	-2.07	-1.79	0.16	0.79	741.33	-141.31	738.62	-138.60	-48.84
6	3	293	-1.54	-3.07	-1.60	-3.01	-0.30	618.68	-37.61	522.59	58.49	-232.01
6	3	294	4.97	-4.05	-0.31	1.23	4.45	1152.04	22.98	1147.30	27.73	73.04
6	3	295	17.74	-11.76	12.67	-6.70	-11.12	748.18	-388.29	715.91	-356.01	188.77
6	3	296	-1.16	-3.09	-1.69	-2.55	-0.87	422.93	280.52	399.05	304.41	53.21
6	3	297	6.76	-3.23	4.56	-1.02	4.14	1363.22	85.92	1356.41	92.73	92.98
6	3	298	0.90	-2.44	-1.76	0.22	1.34	710.67	27.38	706.28	31.77	-54.58
6	3	299	-2.03	-3.30	-2.03	-3.30	-1.30e-03	897.11	-195.78	534.91	166.41	-514.45
6	3	300	0.19	-1.85	-1.81	0.14	0.30	687.67	-158.03	684.61	-154.96	-50.84
6	3	301	17.15	-3.32	13.67	0.16	-7.69	1103.68	438.95	1016.18	526.46	-224.74
6	3	302	30.13	0.91	21.11	9.92	-13.50	446.89	116.28	302.56	260.61	-163.97
6	3	303	7.71e-02	-1.79	-1.79	7.70e-02	-1.42e-02	584.65	-73.30	579.28	-67.94	-59.18
6	3	304	-2.36	-2.99	-2.68	-2.68	0.31	1189.58	-207.25	538.71	443.62	-696.79
6	3	305	15.29	-16.50	7.14	-8.35	-13.88	397.01	-263.50	391.32	-257.82	60.99
6	3	306	9.63	-6.40	5.73	-2.50	-6.88	1555.58	658.66	1391.57	822.67	-346.70
6	3	307	3.49	-3.54	-2.69	2.64	2.29	660.99	415.41	559.04	517.35	121.01
6	3	308	3.34	-4.92	-3.41	1.83	-3.20	854.74	153.82	172.42	836.14	112.66
6	3	309	2.33	-3.28	-2.66	1.71	1.76	519.59	480.32	481.94	517.98	-7.80
6	3	310	1.82	-4.47	-3.30	0.65	-2.45	881.49	118.37	147.84	852.02	147.05
6	3	311	15.53	-3.14	6.50	5.88	-9.33	248.89	-1018.69	248.68	-1018.47	16.47
6	3	312	9.66	-2.47	1.32	5.87	5.63	1045.96	-249.79	1015.37	-219.19	196.75
6	3	313	5.38	-4.73	-2.85	3.50	-3.94	566.52	45.09	45.44	566.17	13.61
6	3	314	-1.33	-3.07	-2.85	-1.56	-0.58	-90.04	-775.35	-773.28	-92.11	-37.59
6	3	315	-1.26	-2.12	-1.58	-1.80	-0.41	246.18	-609.57	208.07	-571.46	-176.53
6	3	316	4.99	-3.62	-2.44	3.82	2.95	813.55	180.67	689.89	304.32	250.94
6	3	317	0.12	-3.86	-3.79	5.28e-02	-0.52	22.31	-579.33	-32.03	-524.99	172.45
6	3	318	0.38	-2.98	-2.84	0.24	0.68	591.26	-250.91	586.84	-246.49	-60.86
6	3	319	19.11	1.05	9.54	10.63	-9.01	254.72	-794.00	-68.56	-470.72	484.28
6	3	320	0.63	-3.64	-2.97	-4.17e-02	-1.55	678.85	-15.35	32.69	630.81	176.19
6	3	321	1.42	-3.00	-2.54	0.96	1.35	532.11	243.27	463.84	311.54	-122.71
6	3	322	11.99	-0.17	10.54	1.27	3.93	1100.31	208.82	1097.53	211.60	-49.70
6	3	323	9.28	-4.14	-0.76	5.89	-5.83	-9.33	-542.89	-215.41	-336.82	-259.78
6	3	324	-0.25	-2.53	-2.46	-0.31	-0.38	323.03	-320.02	-69.56	72.57	313.57
6	3	325	0.83	-2.91	-2.59	0.50	1.05	550.82	-75.41	508.72	-33.31	-156.81
6	3	326	10.76	-1.23	5.76	3.77	5.91	1092.70	-60.91	1091.49	-59.70	37.44
6	3	327	7.04	-3.37	-1.40	5.06	4.08	958.27	-125.67	873.96	-41.36	290.30
6	3	328	24.81	0.57	14.73	10.64	-11.94	153.05	-372.62	-31.25	-188.32	250.83
6	3	329	33.67	4.78	32.76	5.70	5.06	91.81	-14.09	5.81	71.90	-41.37
6	3	330	0.21	-2.76	-2.76	0.21	6.31e-02	529.30	-234.17	528.02	-232.89	31.24
6	3	331	-1.65	-2.77	-1.76	-2.67	-0.32	534.04	-845.92	-51.20	-260.67	-681.98
6	3	332	13.62	-0.66	13.58	-0.63	-0.71	1119.38	409.19	1089.41	439.17	-142.79
6	3	333	28.72	4.75	15.08	18.39	11.87	-86.24	-249.66	-249.56	-86.34	-4.00
6	3	334	2.40	-3.32	-3.28	2.35	0.52	662.01	216.07	217.36	660.72	23.93
6	3	335	3.78	-3.88	-3.67	3.57	-1.25	845.04	24.73	58.61	811.17	163.22
6	3	336	3.81	-3.47	-3.39	3.72	0.79	742.25	179.82	257.14	664.93	193.67
6	3	337	2.34	-3.74	-3.56	2.15	-1.04	813.47	44.73	54.13	804.08	84.47
6	3	338	5.77	-3.53	-3.30	5.54	-1.43	657.32	-234.44	-162.90	585.79	242.22
6	3	339	5.64	-3.37	-3.26	5.52	1.03	715.45	-90.03	212.16	413.26	389.98

6	3	340	1.31	-3.12	-3.09	1.28	0.36	487.83	46.29	105.97	428.14	-150.97
6	3	341	1.30	-3.38	-3.19	1.10	-0.93	596.20	-154.11	-154.05	596.14	-6.70
6	3	342	0.59	-3.37	-3.07	0.30	-1.04	214.33	-721.54	-681.04	173.82	-190.44
6	3	343	0.42	-3.07	-3.04	0.39	0.33	216.50	-468.27	-90.44	-161.33	-340.54
6	3	344	8.18	-2.30	-1.97	7.85	-1.84	247.83	-951.57	-844.96	141.22	341.33
6	3	345	8.50	-4.00	-3.94	8.44	0.83	506.08	-724.66	137.48	-356.07	563.72
6	3	346	-4.75e-02	-3.45	-3.36	-0.15	0.57	440.82	-648.37	430.03	-637.58	-107.87
6	3	347	15.93	0.24	6.11	10.05	7.59	528.72	-285.79	527.93	-285.00	-25.42
6	3	348	20.30	2.62	20.14	2.77	1.66	686.06	226.41	658.17	254.30	-109.73
6	3	349	20.33	0.64	3.52	17.44	6.96	-281.25	-629.47	-409.12	-501.60	-167.86
6	3	350	14.83	-2.71	-0.89	13.01	5.35	380.95	-820.40	336.01	-775.46	227.96
6	3	351	18.29	2.51	13.88	6.92	7.08	597.17	30.13	586.61	40.69	-76.64
6	18	99	17.67	-6.60	-5.66	16.74	4.67	1929.28	538.83	1824.54	643.56	366.95
6	18	100	24.04	-54.30	23.39	-53.65	7.12	-174.40	-2558.75	-2179.74	-553.42	871.81
6	18	101	37.31	-30.44	-28.64	35.51	-10.90	-613.07	-3774.01	-1151.85	-3235.23	-1188.59
6	18	102	76.41	59.34	75.75	60.00	-3.29	-262.08	-876.45	-873.86	-264.67	39.77
6	18	103	30.16	-37.36	7.92	-15.12	-31.73	3112.50	-4138.19	2057.59	-3083.28	-2556.55
6	18	104	21.28	-2.74	-2.08	20.62	-3.92	-2572.75	-2828.09	-2710.36	-2690.48	127.28
6	18	105	2.09	-19.66	-7.17	-10.40	-10.76	1134.49	-6222.27	-5915.88	828.10	-1469.76
6	18	106	-0.62	-3.69	-3.58	-0.73	-0.57	-2540.44	-2924.15	-2682.17	-2782.42	-185.19
6	18	107	6.02	-66.79	-13.97	-46.79	32.50	-1268.30	-1.945e+04	-1.591e+04	-4811.18	7201.75
6	18	108	4.02	-4.58	4.02	-4.58	2.30e-02	308.10	-1505.38	-750.38	-446.90	-893.95
6	18	109	2.54	-13.52	2.54	-13.51	0.21	1218.95	-3278.79	1218.23	-3278.08	56.64
6	18	110	1.94	1.39	1.40	1.93	4.85e-02	3242.89	-2391.06	3242.58	-2390.76	-41.13
6	18	111	-38.66	-84.65	-38.66	-84.65	-0.23	856.21	-1086.34	786.84	-1016.96	-360.48
6	18	112	73.33	45.80	73.14	45.99	2.33	-294.41	-1996.02	-1363.26	-927.18	-822.39
6	18	113	-27.44	-66.28	-64.89	-28.83	7.21	1148.93	-928.06	-848.87	1069.74	-397.75
6	18	115	-19.46	-56.58	-56.29	-19.76	-3.30	699.09	-464.89	-166.94	401.14	-507.97
6	18	117	25.50	-19.09	7.10	-0.69	-21.95	431.20	-615.86	-127.66	-56.99	-522.34
6	18	119	10.62	4.17	8.47	6.32	-3.05	-33.25	-929.25	-877.51	-85.00	-209.01
6	18	121	31.63	7.38	7.43	31.58	1.05	-43.15	-734.18	-713.28	-64.05	-118.35
6	18	123	7.60	1.07	5.95	2.72	-2.84	197.98	-685.38	-322.67	-164.72	-434.56
6	18	125	-10.23	-36.10	-10.25	-36.09	0.61	623.47	-166.63	431.25	25.59	-339.01
6	18	127	8.29	-0.56	-0.50	8.23	-0.74	-37.81	-890.73	-45.90	-882.64	-82.63
6	18	129	23.67	4.31	22.19	5.78	5.13	-24.99	-444.85	-25.37	-444.47	-12.55
6	18	131	34.45	9.06	9.17	34.33	-1.68	-192.26	-841.72	-823.41	-210.57	107.50
6	18	133	28.18	-0.36	9.16e-02	27.73	-3.57	-455.08	-1252.58	-1229.83	-477.83	132.76
6	18	134	0.51	-0.78	-0.69	0.43	-0.31	1.22	-7.88	-4.19	-2.46	-4.47
6	18	135	10.31	-6.59	-1.18	4.91	-7.88	3191.00	-1531.47	906.34	753.19	-2359.99
6	18	136	2.42	-4.81	-4.19	1.79	-2.03	1371.32	-606.25	768.93	-3.86	-910.16
6	18	137	-3.05e-02	-4.64	-4.54	-0.13	-0.67	1303.95	-365.77	985.09	-46.91	-656.30
6	18	138	-0.12	-4.31	-4.23	-0.21	-0.58	1090.61	-224.75	896.88	-31.02	-466.14
6	18	139	-9.42e-02	-3.98	-3.90	-0.18	-0.56	839.02	-129.35	729.21	-19.54	-307.05
6	18	140	-5.17e-02	-3.64	-3.56	-0.14	-0.56	667.62	-63.15	614.78	-10.31	-189.26
6	18	141	-3.90e-03	-3.27	-3.18	-0.10	-0.56	590.07	-28.11	566.39	-4.43	-118.64
6	18	142	4.92e-02	-2.80	-2.69	-6.12e-02	-0.55	542.65	-16.48	528.02	-1.86	-89.25
6	18	143	0.11	-2.17	-2.04	-2.69e-02	-0.54	451.83	-15.99	437.76	-1.92	-79.89
6	18	144	0.15	-1.46	-1.24	-7.64e-02	-0.56	268.74	-20.23	253.30	-4.80	-64.98
6	18	145	0.30	-0.48	-0.46	0.28	0.14	213.12	-65.67	-17.74	165.20	-105.18
6	18	146	0.44	-0.49	-0.48	0.43	9.38e-02	333.62	-148.47	-30.27	215.43	-207.39
6	18	147	0.70	-0.82	-0.79	0.67	0.20	357.81	-341.14	-87.96	104.62	-335.95
6	18	148	1.86	0.56	0.65	1.76	0.34	43.65	-966.50	-627.10	-295.75	-477.13
6	18	149	1.04	0.66	0.81	0.89	-0.18	176.64	-834.36	-638.54	-19.17	399.53
6	18	150	-0.63	-1.31	-0.63	-1.31	1.76e-04	642.74	-162.04	-91.03	571.73	228.26
6	18	151	-0.21	-3.07	-0.21	-3.07	0.14	842.52	-43.49	-41.10	840.13	45.92
6	18	152	-0.13	-5.45	-0.14	-5.44	0.17	890.11	-59.92	-40.11	870.29	-135.78
6	18	153	5.59e-02	-8.24	5.56e-02	-8.24	-5.47e-02	782.70	-200.45	-59.17	641.42	-344.88
6	18	154	-1.59	-11.70	-1.62	-11.67	0.56	562.56	-766.88	-269.94	65.62	-643.20
6	18	155	-0.65	-17.44	-0.66	-17.44	-0.37	644.16	-672.01	-271.82	243.96	605.45
6	18	156	-0.18	-18.93	-0.19	-18.93	0.28	1147.21	-133.24	-69.45	1083.42	278.60
6	18	157	-0.14	-17.39	-0.14	-17.38	-9.13e-02	1590.95	-56.25	-56.25	1590.94	-0.73
6	18	158	-2.45e-02	-12.94	-2.82e-02	-12.94	-0.22	1904.15	-102.41	-57.02	1858.76	-298.35
6	18	159	-3.29e-02	-7.26	-3.50e-02	-7.25	-0.12	2088.51	-246.19	-44.87	1887.19	-655.36
6	18	160	9.44e-02	-3.80	-0.12	-3.59	0.88	2487.24	-633.69	81.74	1771.81	-1311.86
6	18	161	3.11	1.35	2.42	2.05	-0.86	2468.57	-608.66	1866.26	-6.35	-1220.93
6	18	162	0.16	-5.76	-5.69	9.50e-02	-0.63	2197.16	-245.09	1998.34	-46.26	-667.87
6	18	163	-0.25	-16.13	-16.08	-0.30	-0.86	1919.86	-118.03	1850.52	-48.69	-369.46
6	18	164	-1.84	-26.04	-26.03	-1.84	0.32	1366.33	-44.19	1348.80	-26.66	-156.28
6	18	165	24.02	-12.00	-9.04	21.05	9.90	379.89	31.67	371.91	39.65	-52.09
6	18	166	56.01	15.67	52.67	19.01	-11.12	1014.22	-708.10	262.82	43.31	-854.14
6	18	167	6.97	-35.88	-28.29	-0.63	-16.36	551.87	-749.57	-120.72	-76.98	-650.35
6	18	168	-5.18	-109.86	-109.72	-5.32	-3.85	574.91	-1162.71	-938.76	350.96	-582.22
6	18	169	6.35	-41.86	-39.16	3.65	11.09	214.42	-1179.13	-744.37	-220.34	-645.63
6	18	170	4.93	-9.97	3.84	-8.88	3.89	332.18	-1143.93	-323.15	-488.60	-733.41
6	18	171	-1.56	-6.62	-3.70	-4.48	-2.50	561.74	-760.41	-27.77	-170.90	-657.19
6	18	172	51.35	17.83	18.52	50.66	-4.76	641.11	-769.02	132.58	-260.50	-677.12
6	18	173	25.22	1.48	4.12	22.59	7.45	349.45	-471.63	161.32	-283.49	345.08

6	18	174	17.85	8.03	12.99	12.89	4.91	-238.72	-660.33	-545.40	-353.65	187.74
6	18	175	-12.39	-41.49	-12.39	-41.49	0.11	1056.85	-1454.41	-298.03	-99.53	1251.70
6	18	176	2.22	-24.61	2.14	-24.53	1.46	887.73	-446.73	-70.94	511.93	600.22
6	18	177	0.39	-16.97	0.39	-16.97	0.22	1102.79	-192.05	-34.27	945.01	423.57
6	18	178	0.34	-10.80	0.34	-10.79	0.23	1186.38	-90.71	-9.15	1104.82	312.25
6	18	179	0.60	-5.90	0.60	-5.90	0.20	1209.28	47.12	90.74	1165.66	220.88
6	18	180	2.49	-0.69	2.48	-0.67	-0.23	1314.87	895.83	998.79	1211.91	180.39
6	18	181	-7.44	-16.08	-7.76	-15.75	1.64	1258.70	1103.14	1142.14	1219.70	-67.42
6	18	182	3.82	-6.69	3.69	-6.56	1.16	1409.29	-90.44	104.88	1213.97	-504.76
6	18	183	6.25	-6.90	6.18	-6.82	-0.98	1641.64	-116.41	247.75	1277.48	-712.46
6	18	184	-17.46	-26.82	-17.49	-26.79	-0.49	3836.42	503.44	2810.83	1529.03	-1538.33
6	18	185	-1.58	-9.91	-1.85	-9.64	-1.48	1682.82	-538.57	61.33	1082.91	-986.27
6	18	186	1.20	-7.74	0.21	-6.75	-2.81	1204.49	-84.26	53.18	1067.05	397.79
6	18	187	1.20	-10.75	-0.12	-9.43	-3.74	1265.47	-79.53	172.29	1013.65	524.68
6	18	188	1.39	-14.92	-0.44	-13.08	-5.15	1284.83	-177.14	275.10	832.59	675.76
6	18	189	1.99	-21.23	-1.13	-18.11	-7.92	1263.25	-467.84	440.35	355.06	864.49
6	18	190	29.09	-16.65	9.52	2.93	-22.63	1183.81	-1456.93	-68.96	-204.16	-1318.64
6	18	191	2.45	-10.01	0.78	-8.33	-4.25	1779.83	444.74	695.82	1528.75	-521.70
6	18	192	1.64	-11.08	1.20	-10.64	-2.34	1319.24	623.08	628.30	1314.02	-60.07
6	18	193	1.35	-11.47	1.35	-11.47	-8.87e-02	1119.58	368.62	664.44	823.75	366.93
6	18	194	1.03	-6.64	-0.25	-5.36	2.86	964.18	3.70	518.85	449.04	-478.97
6	18	195	0.78	-4.81	-0.51	-3.52	2.35	807.60	306.05	414.40	699.24	-206.41
6	18	196	0.74	-3.37	-0.59	-2.04	1.92	684.46	388.30	397.69	675.07	51.89
6	18	197	1.07	-2.28	-0.46	-0.75	1.67	753.68	129.50	479.71	403.47	309.75
6	18	198	0.78	-0.67	-0.61	0.72	-0.29	768.47	-371.15	425.51	-28.19	-522.71
6	18	199	3.19e-02	-2.56	-2.49	-3.47e-02	-0.41	574.06	-2.35	531.42	40.29	-150.87
6	18	200	-4.07e-02	-3.22	-3.12	-0.14	-0.55	584.62	35.88	520.45	100.05	-176.34
6	18	201	-0.14	-3.75	-3.64	-0.26	-0.63	681.39	8.82	496.37	193.84	-300.34
6	18	202	-0.26	-4.21	-4.10	-0.36	-0.63	968.55	-136.32	549.31	282.92	-536.14
6	18	203	-0.38	-4.72	-4.64	-0.45	-0.57	1373.78	-338.60	690.75	344.43	-838.50
6	18	204	-0.56	-5.50	-5.47	-0.58	-0.36	1759.65	-581.72	780.19	397.74	-1154.96
6	18	205	7.79	-23.06	5.15	-20.42	8.63	612.95	-897.62	607.05	-891.73	-94.22
6	18	206	11.20	-21.78	-3.92	-6.65	-16.43	1241.54	-1326.25	174.51	-259.22	-1265.45
6	18	207	10.22	-23.38	-20.59	7.43	9.26	1025.34	-1358.16	943.11	-1275.94	-434.99
6	18	208	26.12	-21.57	21.78	-17.23	13.72	972.93	-1331.15	62.22	-420.44	-1126.48
6	18	209	-0.99	-21.77	-5.55	-17.22	-8.59	1265.17	-1307.51	888.30	-930.64	909.69
6	18	210	17.26	-13.46	17.04	-13.24	-2.60	1126.90	-373.53	917.82	-164.45	-519.61
6	18	211	1.06	-7.67	0.12	-6.74	2.70	1232.12	-644.64	868.13	-280.66	-742.04
6	18	212	-0.63	-7.69	-7.55	-0.77	0.96	1952.23	-971.10	545.48	435.65	-1460.63
6	18	213	-1.46	-11.99	-3.93	-9.52	4.46	1814.36	-728.47	-10.76	1096.64	-1144.51
6	18	214	0.44	-0.85	-0.83	0.42	-0.15	553.96	-149.59	296.58	107.79	-338.87
6	18	215	9.29e-02	-1.78	-1.74	5.73e-02	-0.26	519.16	-31.81	455.39	31.95	-176.26
6	18	216	1.31	-10.58	0.98	-10.25	1.94	1315.67	-472.45	949.06	-105.83	721.90
6	18	217	1.48	-6.53	0.92	-5.97	-2.05	1226.72	-453.92	-428.91	1201.71	203.49
6	18	218	1.23	-1.32	-5.47e-02	-4.15e-02	1.27	1131.84	-454.02	892.24	-214.42	567.94
6	18	219	-2.80	-10.50	-5.46	-7.84	-3.67	1231.05	-960.25	-420.47	691.27	-944.17
6	18	220	0.66	-0.10	-6.42e-02	0.62	-0.17	1203.57	-782.64	879.52	-458.59	-733.91
6	18	221	7.27	-14.63	-12.41	5.05	-6.62	1310.05	217.66	1171.30	356.42	-363.76
6	18	222	2.48	-8.01	-0.19	-5.34	-4.57	2236.80	50.73	791.65	1495.88	-1034.77
6	18	223	4.98	-12.57	-7.67	8.89e-02	-7.87	1921.84	163.20	1637.28	447.76	-647.67
6	18	224	7.76	-17.26	5.93	-15.43	6.52	1321.67	-1084.22	1290.81	-1053.36	270.72
6	18	225	1.49	-9.74	0.80	-9.06	2.68	1387.25	-864.93	1387.22	-864.90	-8.42
6	18	226	-2.25	-7.06	-3.33	-5.99	2.00	949.36	-169.01	-71.47	851.82	-315.55
6	18	227	0.85	-0.24	0.17	0.44	0.53	1083.58	-772.00	1081.47	-769.88	-62.55
6	18	228	4.29	-8.99	-3.80	-0.90	-6.48	2326.26	-36.16	1669.09	621.01	-1058.60
6	18	231	0.60	-15.75	-12.79	-2.36	6.30	1119.90	-1807.69	-1054.04	366.25	-1280.00
6	18	232	0.14	-0.86	-0.86	0.14	-6.28e-02	388.67	-50.86	250.53	87.28	-204.04
6	18	233	1.82	-4.83	-1.74	-1.27	-3.31	2755.20	-727.52	1085.98	941.71	-1739.87
6	18	234	18.51	-29.53	-28.77	17.74	-6.01	466.56	180.71	334.56	312.71	-142.51
6	18	235	-0.12	-4.24	-3.91	-0.45	-1.11	423.78	104.39	284.04	244.13	-158.45
6	18	236	-0.46	-4.56	-4.25	-0.78	-1.09	754.38	-135.28	221.39	397.72	-436.00
6	18	237	1.86	-3.96	-1.49	-0.61	2.88	673.79	513.93	673.67	514.05	4.43
6	18	238	1.87	-9.35	-1.25	-6.22	-5.03	1079.47	89.21	270.40	898.27	382.88
6	18	239	2.23	-4.76	-1.38	-1.15	3.49	765.40	484.19	717.35	532.23	-105.84
6	18	240	2.80	-12.02	-2.03	-7.19	-6.95	1044.73	112.41	421.93	735.21	439.05
6	18	241	-0.91	-4.81	-4.60	-1.12	-0.88	1201.49	-332.41	375.54	493.54	-764.68
6	18	242	5.33	-7.62	4.41	-6.71	-3.32	1177.81	894.16	1126.56	945.41	-109.13
6	18	243	8.96e-02	-3.56	-3.34	-0.13	-0.86	481.48	85.34	470.55	96.27	-64.91
6	18	244	3.58	-14.04	-2.77	-7.69	-8.46	974.03	7.19	676.33	304.89	446.32
6	18	245	2.75	-5.51	-0.97	-1.79	4.11	957.00	258.97	892.74	323.23	-201.80
6	18	246	1.09	-7.16	-0.46	-5.61	-3.23	957.70	86.22	168.77	875.15	255.19
6	18	247	1.60	-3.20	-1.41	-0.19	2.32	773.19	268.85	756.35	285.69	90.62
6	18	248	4.29	-6.63	4.28	-6.62	0.38	1208.57	527.01	1173.78	561.80	149.99
6	18	249	20.02	-22.09	18.26	-20.33	-8.43	944.10	-399.04	941.37	-396.31	-60.44
6	18	250	-1.77	-5.27	-5.25	-1.79	-0.28	1572.56	-432.01	530.88	609.67	-1001.51
6	18	251	0.18	-2.64	-2.52	5.77e-02	-0.57	598.40	0.55	577.60	21.35	-109.56
6	18	252	4.06	-13.69	-0.74	-8.89	-7.88	1080.85	-348.68	1013.41	-281.23	303.10

6	18	253	21.90	-36.18	19.63	-33.90	-11.27	799.60	-646.21	759.31	-605.92	-237.95
6	18	254	0.41	-1.56	-1.52	0.36	-0.29	764.83	-172.94	688.51	-96.62	-256.41
6	18	255	3.39	-6.06	9.17e-02	-2.77	4.50	1189.81	-47.54	1164.36	-22.09	-175.61
6	18	256	4.35	-6.67	3.30	-5.62	3.23	1345.92	38.54	1307.40	77.05	221.08
6	18	257	0.33	-1.29	-1.28	0.33	9.67e-02	924.35	-292.07	884.14	-251.86	-217.46
6	18	258	8.02e-02	-5.74	-0.35	-5.31	-1.53	698.62	139.31	140.31	697.61	-23.65
6	18	259	1.22	-2.36	-1.20	5.38e-02	1.68	921.59	-60.25	915.35	-54.01	78.00
6	18	260	-3.87	-5.56	-4.03	-5.40	-0.50	1472.64	-347.27	319.48	805.89	-876.85
6	18	261	9.94	-13.17	9.12	-12.35	-4.28	1146.56	-519.97	1140.18	-513.58	102.95
6	18	262	4.13	-6.13	1.73	-3.73	4.34	1373.65	-189.35	1373.14	-188.84	28.24
6	18	263	6.75	-8.94	3.00	-5.18	-6.69	1585.90	727.37	1219.14	1094.13	-424.69
6	18	264	-2.53	-5.07	-2.53	-5.07	-1.08e-02	752.33	8.70	209.13	551.90	-329.96
6	18	265	-3.16	-6.14	-4.05	-5.25	-1.36	1055.20	-195.42	285.40	574.39	-608.39
6	18	266	0.63	-1.47	-1.12	0.28	0.79	1013.23	-310.59	1009.56	-306.91	-69.66
6	18	268	9.98	-10.56	0.35	-0.93	-10.25	1663.70	479.97	1407.95	735.72	-487.17
6	18	270	21.16	-17.11	-6.16	10.22	-17.29	614.61	9.33	317.33	306.61	-302.60
6	18	271	15.85	-10.79	0.59	4.47	-13.18	1172.57	354.09	1010.28	516.38	-326.33
6	18	272	-3.10	-6.38	-5.73	-3.74	1.30	1772.18	-572.16	373.02	827.00	-1149.98
6	18	273	0.29	-1.71	-1.65	0.23	-0.36	607.74	-58.35	529.85	19.54	-214.05
6	18	274	6.37	-9.75	-0.30	-3.08	-7.94	1951.36	456.51	1377.47	1030.40	-727.00
6	18	275	-0.64	-5.28	-4.56	-1.36	-1.68	403.17	-432.28	-272.09	242.98	-328.89
6	18	276	3.41	-4.57	-2.41	1.25	3.55	747.24	486.95	747.07	487.12	6.69
6	18	277	2.53	-4.16	-2.49	0.86	2.89	684.74	470.84	682.91	472.67	-19.70
6	18	278	2.02	-7.12	-2.73	-2.37	-4.57	952.89	93.24	207.52	838.61	291.86
6	18	279	3.74	-8.88	-3.41	-1.73	-6.25	860.62	195.32	314.10	741.84	254.78
6	18	280	0.26	-5.67	-5.10	-0.32	-1.75	54.45	-22.41	11.15	20.89	38.12
6	18	281	5.62	-9.60	-3.25	-0.74	-7.50	561.74	274.72	456.76	379.70	138.24
6	18	282	-0.84	-4.40	-3.32	-1.91	-1.64	965.42	-577.90	63.44	324.07	-760.58
6	18	283	4.54	-4.82	-1.89	1.62	4.34	916.61	310.51	914.50	312.61	35.62
6	18	284	0.25	-4.00	-3.83	8.27e-02	-0.83	483.90	-87.21	480.95	-84.26	40.95
6	18	285	0.29	-4.95	-1.96	-2.70	-2.60	802.53	53.91	157.38	699.06	258.36
6	18	286	1.83	-3.73	-2.50	0.59	2.31	726.46	257.63	720.72	263.37	-51.57
6	18	287	8.50	-3.03	8.26	-2.79	1.66	1268.63	381.56	1268.10	382.09	21.73
6	18	288	13.45	-9.50	7.31	-3.36	-10.16	803.81	-528.21	794.99	-519.39	108.01
6	18	289	7.27	-4.08	2.04	1.14	5.66	1290.17	-55.21	1282.05	-47.09	104.19
6	18	290	10.08	-4.56	9.35	-3.84	-3.17	1277.18	623.76	1247.42	653.52	-136.24
6	18	291	8.30	-8.87	0.17	-0.74	-8.57	677.33	-215.42	675.66	-213.75	38.59
6	18	292	0.63	-2.91	-2.69	0.41	0.85	873.66	-214.83	869.37	-210.54	-68.19
6	18	293	-1.67	-3.55	-1.68	-3.54	-0.14	517.90	-28.76	337.89	151.25	-256.91
6	18	294	5.90	-4.69	-0.52	1.73	5.18	1133.83	59.95	1128.66	65.13	74.40
6	18	295	20.37	-14.38	13.17	-7.18	-14.09	662.52	-435.10	635.55	-408.13	169.92
6	18	296	-1.14	-3.15	-1.32	-2.97	-0.58	422.08	182.82	220.07	384.83	86.75
6	18	297	7.88	-3.37	5.34	-0.84	4.70	1321.16	80.67	1313.82	88.00	95.11
6	18	298	1.20	-3.33	-2.58	0.46	1.68	822.60	-32.13	816.35	-25.88	-72.82
6	18	299	-2.73	-4.19	-2.96	-3.96	-0.54	912.04	-296.78	385.64	229.62	-599.36
6	18	300	0.38	-2.70	-2.70	0.38	5.13e-02	815.92	-215.80	811.35	-211.23	-68.47
6	18	301	20.62	-3.42	16.14	1.06	-9.37	1013.06	378.03	916.91	474.18	-227.62
6	18	302	36.24	2.18	24.58	13.84	-16.16	404.17	19.01	210.97	212.21	-192.58
6	18	303	0.29	-2.71	-2.64	0.22	-0.44	692.11	-98.05	684.12	-90.06	-79.05
6	18	304	-2.63	-4.43	-4.08	-2.99	-0.72	1303.26	-405.55	400.63	497.08	-853.04
6	18	305	18.61	-20.24	7.72	-9.34	-17.45	349.87	-332.50	349.57	-332.19	14.51
6	18	306	11.68	-7.53	6.82	-2.67	-8.35	1445.86	609.63	1289.87	765.62	-325.75
6	18	307	4.14	-4.31	-3.44	3.27	2.57	665.95	428.96	549.78	545.13	118.47
6	18	308	4.41	-6.52	-4.32	2.20	-4.38	843.16	40.74	81.05	802.85	175.26
6	18	309	2.77	-4.11	-3.43	2.10	2.04	540.24	469.67	474.03	535.88	-17.00
6	18	310	2.53	-5.59	-3.92	0.86	-3.28	896.00	-27.76	30.95	837.29	225.36
6	18	311	17.20	-4.48	4.78	7.93	-10.72	218.66	-999.64	218.24	-999.22	22.46
6	18	312	11.42	-2.59	1.46	7.37	6.35	1001.57	-226.94	972.30	-197.67	187.35
6	18	313	6.71	-6.60	-4.02	4.14	-5.26	529.63	-20.91	-14.56	523.28	58.78
6	18	314	-1.51	-4.73	-4.18	-2.06	-1.22	-160.03	-1186.82	-1184.02	-162.82	-53.52
6	18	315	-0.88	-2.35	-1.03	-2.20	-0.45	179.02	-556.19	119.22	-496.39	-200.97
6	18	316	5.96	-4.34	-3.13	4.76	3.31	801.31	207.12	672.97	335.46	244.51
6	18	317	0.72	-6.53	-6.21	0.41	-1.48	-243.78	-784.49	-310.08	-718.20	177.34
6	18	318	0.60	-4.57	-4.46	0.49	0.75	631.05	-362.16	623.69	-354.79	-85.21
6	18	319	23.09	-0.44	9.26	13.39	-11.58	211.48	-760.90	-70.62	-478.81	441.28
6	18	320	0.94	-4.02	-3.31	0.23	-1.74	717.82	-176.63	-86.92	628.11	268.68
6	18	321	1.74	-4.00	-3.45	1.19	1.69	549.26	204.54	455.00	298.81	-153.65
6	18	322	14.14	0.58	12.57	2.16	4.35	1037.02	184.81	1034.17	187.65	-49.15
6	18	323	10.49	-5.91	-2.12	6.69	-6.92	-63.64	-528.31	-235.90	-356.05	-224.44
6	18	324	0.13	-2.51	-2.50	0.12	0.17	464.93	-396.89	-58.86	126.89	420.78
6	18	325	1.12	-4.23	-3.83	0.73	1.39	569.53	-171.08	508.80	-110.34	-203.21
6	18	326	12.66	-0.82	6.81	5.03	6.68	1040.74	-61.17	1039.66	-60.09	34.45
6	18	327	8.40	-3.92	-1.84	6.32	4.61	927.90	-93.14	844.51	-9.75	279.62
6	18	328	30.50	1.34	17.01	14.84	-14.54	74.18	-346.50	-42.22	-230.10	188.20
6	18	329	39.94	7.90	38.84	9.00	5.82	59.92	-88.89	-53.50	24.53	-63.36
6	18	330	0.54	-4.34	-4.31	0.51	-0.40	551.73	-329.74	551.03	-329.05	24.70
6	18	331	-1.16	-4.06	-1.87	-3.35	-1.25	674.28	-1051.33	-48.10	-328.95	-851.30

6	18	332	16.30	-0.14	16.22	-6.45e-02	-1.13	1040.74	366.47	1009.96	397.25	-140.72
6	18	333	34.12	7.47	17.33	24.26	12.87	-112.16	-298.88	-296.91	-114.13	-19.08
6	18	334	2.82	-4.16	-4.13	2.79	0.43	683.79	148.47	150.14	682.12	29.89
6	18	335	4.70	-5.05	-4.63	4.28	-1.98	849.86	-51.39	-6.92	805.39	195.20
6	18	336	4.55	-4.33	-4.29	4.51	0.61	755.04	144.29	217.02	682.31	197.81
6	18	337	2.93	-4.73	-4.39	2.59	-1.57	832.32	-66.93	-47.76	813.15	129.87
6	18	338	7.08	-4.82	-4.38	6.63	-2.25	648.92	-272.05	-195.25	572.12	254.63
6	18	339	6.82	-4.25	-4.18	6.75	0.87	707.80	-92.88	185.79	429.13	381.40
6	18	340	1.51	-4.16	-4.12	1.46	0.51	491.19	-69.38	-18.10	439.91	-161.61
6	18	341	1.66	-4.28	-4.00	1.38	-1.26	615.81	-320.37	-318.33	613.78	43.58
6	18	342	0.97	-4.62	-4.12	0.47	-1.59	176.89	-1042.19	-996.02	130.72	-232.71
6	18	343	0.56	-4.67	-4.58	0.48	0.67	103.72	-711.21	-371.19	-236.31	-401.85
6	18	344	10.01	-3.53	-2.92	9.41	-2.79	233.26	-938.71	-835.68	130.23	331.86
6	18	345	10.26	-4.65	-4.61	10.21	0.82	475.14	-686.33	111.35	-322.54	538.69
6	18	346	-2.52e-03	-5.49	-5.38	-0.11	0.77	492.24	-890.63	479.23	-877.63	-133.47
6	18	347	18.80	1.18	7.12	12.86	8.33	479.79	-284.99	478.42	-283.61	-32.40
6	18	348	24.08	4.40	23.95	4.53	1.64	619.09	178.81	583.94	213.97	-119.34
6	18	349	23.99	1.76	4.12	21.63	6.86	-293.79	-644.74	-440.98	-497.55	-173.18
6	18	350	17.18	-2.69	-1.16	15.65	5.30	337.96	-785.10	296.31	-743.45	212.22
6	18	351	21.55	4.25	16.43	9.37	7.90	539.58	3.90	526.17	17.31	-83.70
6	33	99	11.44	-5.17	-4.75	11.03	2.59	843.99	292.43	714.73	421.69	233.64
6	33	100	11.59	-30.29	10.98	-29.67	5.03	-132.08	-1924.03	-1628.31	-427.80	665.18
6	33	101	20.22	-16.94	-16.60	19.88	-3.52	-637.27	-2100.67	-761.34	-1976.59	-407.65
6	33	102	44.45	28.17	44.28	28.34	-1.65	-138.65	-620.23	-613.27	-145.61	57.47
6	33	103	18.40	-18.74	7.00	-7.34	-17.13	2663.40	-2662.92	2312.05	-2311.57	-1322.11
6	33	104	14.10	-1.39	-1.13	13.84	-1.99	-1857.23	-2101.21	-1994.19	-1964.24	121.07
6	33	105	-2.50	-5.49	-2.88	-5.11	-1.00	-141.65	-2444.89	-2293.29	-293.26	-571.14
6	33	106	-0.54	-1.91	-1.88	-0.57	-0.20	-1541.83	-1788.45	-1594.32	-1735.95	-100.95
6	33	107	1.90	-37.85	-13.75	-22.20	19.42	-1178.56	-1.017e+04	-8056.72	-3296.41	3816.67
6	33	108	5.16	-5.36	5.16	-5.35	-0.23	230.86	-1222.97	-229.57	-762.54	-676.31
6	33	109	1.62	-7.58	1.59	-7.56	0.51	637.64	-2434.46	629.34	-2426.15	159.50
6	33	110	0.82	0.17	0.38	0.61	0.30	1128.17	-1449.97	1125.66	-1447.45	80.56
6	33	111	-21.16	-48.43	-21.16	-48.43	-0.13	575.38	-705.60	528.31	-658.52	-241.01
6	33	112	42.59	27.20	42.54	27.25	0.92	-101.03	-919.59	-595.39	-425.22	-400.34
6	33	113	-12.89	-38.57	-37.87	-13.59	4.17	939.95	-575.11	-527.31	892.15	-264.83
6	33	115	-13.59	-33.35	-33.34	-13.59	-0.38	522.44	-307.39	-103.06	318.10	-357.51
6	33	117	14.43	-12.28	3.45	-1.30	-13.14	294.82	-335.04	-21.70	-18.52	-314.93
6	33	119	8.46	1.85	5.99	4.32	-3.20	-9.22	-614.09	-584.80	-38.51	-129.84
6	33	121	17.00	4.84	4.97	16.87	-1.26	-13.43	-495.11	-487.21	-21.33	-61.18
6	33	123	2.90	0.50	2.17	1.22	-1.10	159.15	-328.44	-127.54	-41.75	-239.99
6	33	125	-7.36	-21.77	-7.49	-21.64	1.34	403.34	-72.63	302.99	27.72	-194.15
6	33	127	4.60	-0.51	-0.48	4.57	-0.37	-18.26	-589.33	-19.88	-587.70	-30.41
6	33	129	13.04	1.04	12.06	2.02	3.28	-5.58	-278.12	-7.67	-276.03	23.77
6	33	131	17.16	6.02	6.06	17.13	-0.66	-116.88	-629.45	-607.53	-138.80	103.71
6	33	133	15.29	0.19	0.37	15.11	-1.63	-319.96	-942.56	-919.60	-342.93	117.35
6	33	134	0.21	-0.32	-0.28	0.18	-0.12	0.44	-3.89	-2.16	-1.29	-2.12
6	33	135	2.09	-6.79	-4.76	5.18e-02	-3.73	1983.25	-701.34	750.58	531.33	-1337.81
6	33	136	1.64	-3.46	-3.23	1.41	-1.06	975.32	-279.86	687.29	8.17	-527.79
6	33	137	5.69e-02	-2.76	-2.74	3.04e-02	-0.27	907.07	-169.66	763.84	-26.43	-365.65
6	33	138	-3.60e-02	-2.22	-2.19	-6.12e-02	-0.23	744.58	-99.59	662.65	-17.66	-249.90
6	33	139	-3.26e-02	-1.88	-1.85	-6.16e-02	-0.23	565.42	-53.44	522.35	-10.37	-157.49
6	33	140	-1.90e-02	-1.65	-1.62	-5.18e-02	-0.23	440.32	-23.88	421.14	-4.70	-92.38
6	33	141	-6.88e-04	-1.43	-1.40	-3.75e-02	-0.23	372.96	-9.76	364.51	-1.31	-56.24
6	33	142	2.21e-02	-1.18	-1.13	-2.06e-02	-0.22	325.81	-5.84	319.96	1.63e-02	-43.69
6	33	143	4.92e-02	-0.88	-0.82	-5.46e-03	-0.22	260.16	-6.90	253.52	-0.26	-41.59
6	33	144	7.04e-02	-0.58	-0.49	-2.51e-02	-0.23	150.45	-10.27	142.32	-2.14	-35.22
6	33	145	0.14	-0.19	-0.18	0.14	5.55e-02	118.21	-36.72	-9.98	91.47	-58.55
6	33	146	0.20	-0.19	-0.19	0.20	3.91e-02	184.46	-83.15	-16.24	117.56	-115.88
6	33	147	0.26	-0.26	-0.25	0.26	6.07e-02	201.81	-188.39	-36.98	50.41	-190.14
6	33	148	0.47	3.72e-02	6.40e-02	0.44	0.10	112.96	-496.68	-219.72	-164.00	-303.55
6	33	149	0.45	0.34	0.41	0.38	-5.57e-02	163.94	-357.32	-236.25	42.88	220.12
6	33	150	-0.24	-0.76	-0.24	-0.76	9.06e-03	428.98	-67.66	-40.58	401.90	112.77
6	33	151	-7.13e-02	-1.77	-7.43e-02	-1.77	7.19e-02	568.88	-24.88	-24.88	568.87	-1.64
6	33	152	-4.47e-02	-3.14	-4.73e-02	-3.13	8.98e-02	605.66	-49.75	-26.83	582.74	-120.41
6	33	153	5.98e-02	-4.76	5.93e-02	-4.76	-4.80e-02	537.86	-159.10	-37.10	415.86	-264.85
6	33	154	-0.97	-6.84	-0.98	-6.82	0.32	444.13	-571.19	-142.06	15.00	-501.55
6	33	155	-7.55e-02	-9.53	-8.26e-02	-9.53	-0.26	478.06	-433.38	-156.68	201.36	419.08
6	33	156	-0.18	-10.77	-0.18	-10.77	0.13	873.43	-85.91	-46.71	834.22	189.92
6	33	157	-9.43e-02	-10.09	-9.46e-02	-10.09	-5.43e-02	1217.79	-42.09	-41.80	1217.51	-18.83
6	33	158	-3.38e-02	-7.83	-3.54e-02	-7.83	-0.11	1460.88	-84.48	-44.52	1420.92	-245.25
6	33	159	-0.13	-5.02	-0.13	-5.02	-4.22e-03	1598.58	-206.32	-42.21	1434.47	-518.91
6	33	160	-0.44	-4.28	-0.77	-3.95	1.07	1905.19	-574.78	-0.70	1331.11	-1046.01
6	33	161	3.76	1.68	3.33	2.11	-0.85	1927.66	-380.61	1470.61	76.44	-919.84
6	33	162	0.12	-2.38	-2.33	7.64e-02	-0.34	1729.24	-172.35	1582.69	-25.81	-507.14
6	33	163	-0.14	-8.58	-8.56	-0.17	-0.47	1526.65	-83.91	1479.21	-36.47	-272.31
6	33	164	-0.99	-14.74	-14.74	-0.99	0.16	1122.49	-29.77	1113.78	-21.06	-99.80
6	33	165	12.99	-8.29	-6.94	11.64	5.20	395.10	29.24	395.09	29.24	-1.64

6	33	166	32.43	8.29	30.97	9.75	-5.75	780.25	-474.93	264.73	40.58	-617.50
6	33	167	4.91	-19.42	-14.44	-7.24e-02	-9.81	403.65	-390.20	36.75	-23.29	-395.79
6	33	168	-3.14	-64.00	-63.90	-3.24	-2.40	298.09	-472.24	-343.37	169.23	-287.50
6	33	169	3.12	-25.23	-23.74	1.63	6.31	77.28	-429.46	-203.98	-148.20	-251.83
6	33	170	3.42	-4.91	2.67	-4.16	2.39	237.58	-419.45	-138.54	-43.34	-325.05
6	33	171	-9.51e-02	-3.42	-1.64	-1.87	-1.66	405.71	-323.41	-15.29	97.60	-360.16
6	33	172	28.02	8.62	9.08	27.56	-2.94	537.09	-444.44	100.57	-7.92	-487.76
6	33	173	15.32	1.71	3.10	13.94	4.11	112.58	-122.02	62.56	-72.00	96.09
6	33	174	10.54	4.48	7.56	7.46	3.03	-157.71	-527.29	-524.02	-160.99	-34.65
6	33	175	-5.52	-22.61	-5.53	-22.60	-0.44	663.27	-1003.49	-400.41	60.19	800.93
6	33	176	0.61	-14.96	0.58	-14.94	0.60	750.54	-262.39	-71.82	559.97	395.87
6	33	177	0.12	-10.93	0.12	-10.93	3.91e-02	906.97	-92.60	-32.33	846.70	237.92
6	33	178	0.17	-7.72	0.16	-7.71	6.13e-02	924.69	-33.34	-18.15	909.50	119.67
6	33	179	0.51	-5.32	0.51	-5.32	-7.35e-02	842.12	22.42	22.51	842.03	8.56
6	33	180	-0.18	-4.06	-0.19	-4.05	-0.21	725.05	337.77	374.54	688.27	-113.54
6	33	181	-1.57	-4.52	-1.67	-4.42	0.53	684.12	418.87	423.52	679.46	34.84
6	33	182	1.27	-2.43	1.25	-2.40	0.33	892.11	-37.36	25.89	828.86	-234.07
6	33	183	3.33	-2.82	3.24	-2.73	-0.75	1062.24	-71.00	108.64	882.61	-413.88
6	33	184	-7.40	-12.32	-7.85	-11.88	-1.41	2190.38	193.39	1406.74	977.03	-975.10
6	33	185	-0.52	-4.16	-0.52	-4.16	0.11	987.66	-99.79	197.08	690.79	-484.46
6	33	186	5.77e-02	-5.44	-0.17	-5.21	-1.10	735.46	169.23	174.80	729.89	55.88
6	33	187	0.35	-6.93	-0.19	-6.39	-1.90	870.07	145.02	210.36	804.73	207.62
6	33	188	0.56	-8.96	-0.27	-8.13	-2.69	936.22	61.46	269.33	728.34	372.33
6	33	189	1.05	-11.83	-0.29	-10.50	-3.93	968.79	-160.81	396.60	411.37	564.75
6	33	190	16.07	-9.68	4.99	1.40	-12.75	747.79	-684.34	48.41	15.04	-715.87
6	33	191	1.18	-5.77	0.38	-4.97	-2.21	1383.88	322.96	536.74	1170.10	-425.56
6	33	192	0.85	-6.40	0.65	-6.20	-1.16	1019.84	464.06	474.59	1009.31	-75.77
6	33	193	0.80	-6.55	0.80	-6.55	0.13	820.34	309.63	488.88	641.09	243.75
6	33	194	0.63	-3.89	-0.11	-3.16	1.66	692.00	-48.69	359.92	283.39	-368.36
6	33	195	0.47	-2.80	-0.24	-2.09	1.35	581.60	166.60	278.97	469.23	-184.41
6	33	196	0.42	-1.94	-0.27	-1.25	1.08	465.22	251.00	252.14	464.09	-15.54
6	33	197	0.54	-1.29	-0.21	-0.54	0.90	432.44	143.99	277.37	299.05	143.82
6	33	198	0.19	-0.29	-0.29	0.19	-5.74e-03	419.39	-214.83	228.31	-23.76	-290.99
6	33	199	-3.45e-03	-1.12	-1.11	-1.37e-02	-0.11	344.25	-3.00e-02	326.05	18.17	-77.04
6	33	200	-3.72e-02	-1.46	-1.44	-5.34e-02	-0.15	366.60	29.31	344.14	51.77	-84.10
6	33	201	-9.48e-02	-1.75	-1.74	-0.11	-0.17	426.23	40.58	358.85	107.95	-146.44
6	33	202	-0.18	-2.05	-2.05	-0.18	-0.11	597.97	-11.27	420.86	165.84	-276.65
6	33	203	-0.26	-2.46	-2.46	-0.27	5.15e-02	857.87	-107.05	540.90	209.92	-453.19
6	33	204	-0.33	-3.16	-3.11	-0.38	0.37	1116.27	-229.89	638.01	248.37	-644.27
6	33	205	5.61	-13.22	3.85	-11.46	5.49	506.43	-449.17	480.40	-423.14	-155.55
6	33	206	4.37	-11.77	-3.46	-3.94	-8.06	790.22	-762.13	178.72	-150.62	-758.50
6	33	207	5.57	-13.18	-11.59	3.98	5.22	749.54	-806.35	681.35	-738.16	-318.52
6	33	208	15.30	-12.81	12.93	-10.44	7.82	523.75	-497.55	120.15	-93.95	-499.31
6	33	209	-0.20	-11.64	-1.91	-9.93	-4.08	1102.93	-761.76	794.16	-453.00	693.12
6	33	210	10.54	-7.30	10.46	-7.21	-1.20	1014.66	-346.33	811.26	-142.93	-485.24
6	33	211	0.62	-4.49	5.83e-02	-3.92	1.60	859.13	-522.36	600.64	-263.87	-538.78
6	33	212	-0.23	-5.05	-4.56	-0.72	1.46	1254.36	-436.76	539.15	278.45	-835.45
6	33	213	-0.30	-6.38	-1.82	-4.86	2.63	1158.01	-290.35	147.54	720.11	-665.19
6	33	214	0.14	-0.36	-0.36	0.14	-1.68e-02	309.26	-85.76	166.02	57.47	-189.90
6	33	215	2.26e-02	-0.76	-0.76	1.71e-02	-6.53e-02	298.02	-17.45	265.54	15.04	-95.88
6	33	216	0.97	-6.09	0.74	-5.85	1.27	937.42	-308.71	668.14	-39.44	512.88
6	33	217	-0.46	-4.34	-0.51	-4.29	-0.44	582.61	18.85	44.89	556.58	-118.31
6	33	218	0.58	-0.77	-2.09e-02	-0.16	0.67	583.07	-207.82	448.08	-72.82	297.56
6	33	219	-1.07	-3.85	-1.29	-3.63	-0.76	589.51	-170.01	58.43	361.07	-348.31
6	33	220	0.17	-0.19	-0.17	0.15	8.75e-02	601.48	-468.47	429.90	-296.89	-392.61
6	33	221	4.16	-8.40	-6.80	2.56	-4.19	1046.12	209.47	966.15	289.44	-245.99
6	33	222	1.07	-4.54	-0.21	-3.27	-2.35	1738.60	21.81	623.88	1136.53	-819.23
6	33	223	3.03	-7.11	-4.06	-2.60e-02	-4.65	1504.63	154.49	1307.71	351.41	-476.54
6	33	224	5.68	-9.82	4.70	-8.85	3.76	1083.92	-710.81	1070.88	-697.77	152.41
6	33	225	0.91	-5.55	0.55	-5.19	1.46	1001.44	-649.70	1001.35	-649.62	-11.76
6	33	226	-1.39	-3.47	-1.39	-3.47	-4.94e-02	504.36	67.50	319.10	252.76	-215.90
6	33	227	0.28	-0.22	-3.16e-02	8.38e-02	0.24	603.73	-455.22	602.37	-453.86	-37.92
6	33	228	2.79	-5.04	-1.79	-0.46	-3.86	1805.04	-9.02	1322.48	473.53	-801.58
6	33	231	-8.58e-02	-8.88	-6.41	-2.55	3.95	804.94	-920.70	-345.50	229.73	-813.47
6	33	232	5.05e-02	-0.36	-0.36	4.97e-02	-1.84e-02	217.01	-28.02	141.57	47.42	-113.11
6	33	233	1.21	-2.71	-1.16	-0.34	-1.92	2134.55	-562.66	891.38	680.51	-1344.48
6	33	234	10.19	-16.42	-15.77	9.54	-4.11	368.18	232.12	334.60	265.71	-58.66
6	33	235	-0.18	-1.90	-1.86	-0.23	-0.27	280.42	106.63	249.84	137.22	-66.19
6	33	236	-0.44	-2.10	-2.08	-0.46	-0.19	452.88	20.25	236.20	236.94	-216.31
6	33	237	1.03	-2.21	-0.74	-0.44	1.61	444.44	354.51	439.17	359.77	-21.11
6	33	238	0.49	-5.47	-0.94	-4.04	-2.54	744.26	266.73	325.69	685.30	157.09
6	33	239	1.28	-2.73	-0.71	-0.75	2.00	542.72	308.62	492.34	359.00	-96.21
6	33	240	1.14	-6.71	-1.12	-4.45	-3.55	759.02	266.90	410.37	615.54	223.66
6	33	241	-0.74	-2.31	-2.30	-0.75	8.41e-02	740.29	-82.02	351.81	306.45	-410.53
6	33	242	2.87	-4.36	2.46	-3.95	-1.67	910.28	678.60	856.77	732.12	-97.64
6	33	243	-3.62e-02	-1.58	-1.55	-6.28e-02	-0.20	329.00	47.13	326.67	49.46	-25.52
6	33	244	1.77	-7.51	-1.08	-4.66	-4.28	748.93	168.16	586.88	330.21	260.49

6	33	245	1.60	-3.21	-0.50	-1.11	2.39	685.81	149.58	632.90	202.49	-159.91
6	33	246	-0.10	-4.33	-0.80	-3.64	-1.57	597.53	291.58	304.65	584.46	61.88
6	33	247	0.83	-1.72	-0.68	-0.21	1.26	469.59	214.48	462.77	221.30	41.15
6	33	248	2.48	-3.93	2.46	-3.90	0.41	895.53	420.56	873.55	442.53	99.76
6	33	249	12.20	-12.59	11.40	-11.79	-4.39	781.71	-216.24	778.14	-212.67	-59.58
6	33	250	-0.96	-2.86	-2.63	-1.19	0.62	995.23	-126.78	487.33	381.12	-558.49
6	33	251	2.18e-02	-1.16	-1.15	1.09e-02	-0.11	368.04	-3.03	358.43	6.58	-58.96
6	33	252	2.67	-7.37	0.76	-5.46	-3.94	870.59	-123.33	831.45	-84.19	193.32
6	33	253	12.95	-20.36	11.78	-19.19	-6.14	617.08	-349.90	582.57	-315.39	-179.39
6	33	254	9.80e-02	-0.72	-0.72	9.73e-02	2.38e-02	441.26	-105.50	396.97	-61.21	-149.18
6	33	255	1.97	-3.56	0.10	-1.69	2.62	860.30	-66.84	840.97	-47.51	-132.48
6	33	256	2.64	-4.00	1.99	-3.35	1.99	985.73	41.87	957.08	70.51	161.91
6	33	257	0.12	-0.71	-0.65	7.03e-02	0.20	533.05	-180.47	509.62	-157.04	-127.15
6	33	258	-0.62	-3.51	-0.85	-3.27	-0.78	436.52	279.25	351.54	364.23	-78.38
6	33	259	0.60	-1.25	-0.56	-8.32e-02	0.89	541.30	-5.11	536.99	-0.80	48.32
6	33	260	-1.30	-3.19	-1.50	-2.99	0.58	922.90	-27.50	410.34	485.06	-473.73
6	33	261	6.87	-7.66	6.56	-7.35	-2.11	939.53	-292.25	936.47	-289.19	61.33
6	33	262	2.43	-3.60	1.08	-2.25	2.52	999.99	-150.34	999.57	-149.92	22.04
6	33	263	3.62	-5.03	1.64	-3.05	-3.63	1232.71	556.43	946.19	842.95	-334.18
6	33	264	-1.13	-3.04	-1.17	-2.99	-0.29	550.73	100.84	424.76	226.81	-202.00
6	33	265	-1.30	-3.01	-1.31	-3.00	-0.16	691.09	35.56	430.92	295.73	-320.72
6	33	266	0.28	-0.81	-0.56	3.30e-02	0.46	585.93	-175.58	584.13	-173.78	-36.96
6	33	268	5.72	-6.09	0.35	-0.72	-5.88	1297.78	396.15	1118.03	575.89	-360.22
6	33	270	12.13	-9.69	-2.62	5.06	-10.21	487.24	98.27	319.10	266.40	-192.69
6	33	271	8.98	-6.27	0.76	1.96	-7.60	927.59	320.02	829.58	418.04	-223.48
6	33	272	-0.94	-4.07	-2.76	-2.26	1.55	1123.53	-176.80	428.45	518.28	-648.61
6	33	273	6.62e-02	-0.75	-0.74	6.24e-02	-5.57e-02	351.60	-35.92	308.91	6.77	-121.33
6	33	274	3.58	-5.50	-0.20	-1.72	-4.48	1515.95	358.53	1085.08	789.41	-559.51
6	33	275	-0.68	-2.22	-2.11	-0.79	-0.40	230.24	-119.88	-39.59	149.96	-147.18
6	33	276	1.96	-2.60	-1.28	0.64	2.07	528.45	331.40	528.45	331.40	-0.31
6	33	277	1.42	-2.28	-1.29	0.43	1.63	468.61	329.45	466.81	331.25	-15.74
6	33	278	0.69	-4.00	-1.74	-1.57	-2.34	668.20	231.17	270.51	628.85	125.09
6	33	279	1.68	-4.71	-1.87	-1.16	-3.17	631.91	285.93	326.32	591.52	111.09
6	33	280	-0.13	-2.31	-2.22	-0.22	-0.43	137.17	-5.36	120.07	11.73	46.31
6	33	281	2.91	-4.90	-1.40	-0.58	-3.88	436.86	323.54	411.57	348.83	47.18
6	33	282	-1.22	-1.78	-1.72	-1.28	-0.17	585.97	-228.39	145.93	211.65	-405.85
6	33	283	2.62	-2.80	-0.99	0.81	2.55	662.68	202.21	661.59	203.30	22.35
6	33	284	5.90e-03	-1.72	-1.71	-5.41e-03	-0.14	347.69	-49.01	345.33	-46.65	30.50
6	33	285	-0.18	-3.08	-1.51	-1.74	-1.45	528.63	207.11	252.41	483.32	111.86
6	33	286	0.97	-1.94	-1.24	0.27	1.24	476.79	198.71	473.81	201.69	-28.60
6	33	287	4.88	-2.02	4.69	-1.83	1.14	958.44	304.59	957.97	305.07	17.64
6	33	288	8.36	-5.30	5.56	-2.49	-5.52	648.49	-320.05	643.50	-315.05	69.36
6	33	289	4.21	-2.52	1.24	0.45	3.34	954.92	-46.32	948.20	-39.60	81.79
6	33	290	5.60	-2.73	5.28	-2.41	-1.60	981.86	490.89	959.51	513.24	-102.34
6	33	291	4.92	-4.55	1.13	-0.76	-4.64	559.01	-80.05	559.00	-80.04	-2.70
6	33	292	0.30	-1.39	-1.21	0.12	0.52	545.08	-108.86	543.29	-107.06	-34.20
6	33	293	-1.14	-2.17	-1.17	-2.14	-0.18	464.36	-44.47	406.21	13.68	-161.89
6	33	294	3.40	-2.78	-0.21	0.83	3.05	831.51	25.19	827.67	29.03	55.55
6	33	295	11.99	-8.09	8.57	-4.68	-7.54	539.84	-259.57	516.13	-235.86	135.63
6	33	296	-0.90	-2.17	-1.26	-1.82	-0.57	324.57	188.02	315.03	197.55	34.81
6	33	297	4.60	-2.22	3.09	-0.71	2.83	985.60	69.13	979.37	75.36	75.33
6	33	298	0.60	-1.64	-1.20	0.16	0.89	522.12	15.15	519.67	17.60	-35.17
6	33	299	-1.42	-2.35	-1.42	-2.34	8.55e-02	643.86	-138.48	409.84	95.54	-358.21
6	33	300	0.13	-1.25	-1.22	0.11	0.20	505.51	-120.99	503.12	-118.60	-38.67
6	33	301	11.61	-2.29	9.32	-7.12e-03	-5.15	798.95	329.43	743.46	384.93	-151.58
6	33	302	20.37	0.59	14.48	6.49	-9.05	315.61	100.33	224.31	191.63	-106.39
6	33	303	5.88e-02	-1.21	-1.21	5.86e-02	-1.55e-02	429.48	-58.76	425.27	-54.54	-45.17
6	33	304	-1.54	-2.20	-1.84	-1.91	0.33	840.31	-130.82	407.34	302.16	-482.71
6	33	305	10.31	-11.27	4.80	-5.77	-9.41	289.23	-174.15	283.70	-168.62	50.33
6	33	306	6.51	-4.35	3.91	-1.75	-4.63	1123.85	488.29	1012.52	599.63	-241.59
6	33	307	2.40	-2.44	-1.86	1.81	1.58	482.68	305.32	411.59	376.41	86.92
6	33	308	2.21	-3.40	-2.39	1.20	-2.15	622.85	127.48	139.29	611.04	75.57
6	33	309	1.60	-2.25	-1.84	1.19	1.19	374.55	357.25	358.53	373.26	-4.54
6	33	310	1.17	-3.09	-2.31	0.39	-1.65	634.42	105.25	123.93	615.74	97.64
6	33	311	10.53	-2.22	4.40	3.92	-6.37	179.10	-701.86	178.96	-701.71	11.23
6	33	312	6.58	-1.73	0.91	3.94	3.86	760.56	-166.41	736.18	-142.04	148.33
6	33	313	3.61	-3.26	-2.00	2.35	-2.66	424.54	46.53	46.74	424.33	8.90
6	33	314	-0.95	-2.10	-1.94	-1.11	-0.39	-73.24	-529.33	-528.24	-74.33	-22.29
6	33	315	-0.96	-1.51	-1.20	-1.27	-0.27	191.72	-462.91	167.54	-438.74	-123.45
6	33	316	3.42	-2.50	-1.68	2.60	2.05	592.84	138.93	503.99	227.77	180.09
6	33	317	4.39e-02	-2.57	-2.53	-1.24e-04	-0.34	44.68	-417.62	7.03	-379.97	126.45
6	33	318	0.25	-2.00	-1.91	0.16	0.44	440.23	-183.47	437.32	-180.56	-42.47
6	33	319	12.94	0.59	6.42	7.10	-6.17	184.68	-558.25	-48.35	-325.22	344.71
6	33	320	0.37	-2.56	-2.11	-7.60e-02	-1.05	481.79	10.28	42.02	450.05	118.14
6	33	321	0.97	-2.04	-1.74	0.68	0.89	391.71	178.87	348.33	222.24	-85.74
6	33	322	8.13	-0.19	7.13	0.81	2.71	799.50	160.00	798.57	160.93	-24.30
6	33	323	6.31	-2.87	-0.57	4.01	-3.98	7.69	-362.03	-143.48	-210.86	-181.77

6	33	324	-0.21	-1.82	-1.78	-0.25	-0.27	222.25	-225.52	-41.66	38.39	220.28
6	33	325	0.56	-1.96	-1.75	0.35	0.68	410.19	-53.92	382.46	-26.19	-110.00
6	33	326	7.31	-0.90	3.90	2.51	4.04	794.15	-32.63	792.43	-30.91	37.64
6	33	327	4.81	-2.33	-0.95	3.42	2.82	697.25	-78.12	634.90	-15.76	210.86
6	33	328	16.74	0.20	10.03	6.91	-8.12	119.34	-267.76	-21.84	-126.57	186.33
6	33	329	22.78	3.03	22.13	3.68	3.51	63.16	2.25	9.58	55.83	-19.82
6	33	330	0.14	-1.86	-1.86	0.14	3.77e-02	395.59	-172.50	394.70	-171.61	22.49
6	33	331	-1.24	-1.93	-1.27	-1.90	-0.13	366.78	-603.65	-32.78	-204.09	-477.60
6	33	332	9.22	-0.51	9.20	-0.49	-0.42	811.86	305.48	794.56	322.78	-91.98
6	33	333	19.41	3.01	10.20	12.22	8.14	-56.07	-168.88	-168.40	-56.55	7.38
6	33	334	1.65	-2.31	-2.27	1.62	0.36	476.06	171.46	172.22	475.30	15.16
6	33	335	2.56	-2.69	-2.56	2.43	-0.83	612.90	35.20	58.53	589.57	113.73
6	33	336	2.61	-2.41	-2.35	2.55	0.56	538.00	143.55	198.88	482.67	136.97
6	33	337	1.58	-2.60	-2.48	1.46	-0.70	585.15	50.75	56.59	579.30	55.59
6	33	338	3.92	-2.45	-2.31	3.78	-0.93	485.01	-150.40	-99.26	433.86	172.86
6	33	339	3.86	-2.35	-2.25	3.77	0.75	524.36	-49.71	166.78	307.87	278.23
6	33	340	0.91	-2.14	-2.13	0.89	0.22	351.79	49.39	96.56	304.62	-109.73
6	33	341	0.88	-2.35	-2.22	0.75	-0.64	425.21	-90.00	-89.79	425.00	-10.34
6	33	342	0.41	-2.32	-2.13	0.21	-0.71	149.65	-491.21	-460.94	119.37	-135.96
6	33	343	0.30	-2.07	-2.06	0.28	0.18	171.54	-323.79	-33.97	-118.28	-244.05
6	33	344	5.60	-1.61	-1.41	5.40	-1.18	198.90	-659.25	-581.79	121.44	245.91
6	33	345	5.80	-2.75	-2.70	5.75	0.66	381.67	-499.04	114.97	-232.33	404.67
6	33	346	-4.31e-02	-2.31	-2.25	-0.11	0.38	326.79	-463.13	319.49	-455.84	-75.55
6	33	347	10.79	8.25e-02	4.15	6.72	5.20	391.14	-190.18	391.10	-190.13	-5.20
6	33	348	13.75	1.65	13.63	1.77	1.20	499.07	173.93	484.44	188.56	-67.40
6	33	349	13.77	0.37	2.41	11.72	4.82	-198.08	-421.38	-274.27	-345.18	-105.87
6	33	350	10.07	-1.86	-0.54	8.75	3.74	287.76	-566.72	251.64	-530.60	171.95
6	33	351	12.39	1.57	9.38	4.59	4.85	438.07	33.22	433.63	37.66	-42.16
6	41	99	11.15	-4.11	-3.54	10.58	2.89	1253.52	302.65	1193.27	362.90	231.65
6	41	100	15.89	-36.66	15.42	-36.19	4.94	-129.64	-1832.47	-1582.99	-379.12	602.15
6	41	101	25.12	-20.77	-19.57	23.92	-7.33	-474.38	-2632.98	-829.94	-2277.42	-800.68
6	41	102	51.72	39.12	51.35	39.49	-2.14	-180.83	-639.87	-636.86	-183.83	37.01
6	41	103	20.43	-25.59	5.34	-10.49	-21.61	2098.31	-2896.05	1390.03	-2187.77	-1742.34
6	41	104	14.77	-1.91	-1.51	14.37	-2.55	-1794.41	-1999.68	-1912.08	-1882.01	101.53
6	41	105	0.69	-12.78	-4.87	-7.22	-6.63	554.46	-4169.17	-3971.80	357.08	-945.18
6	41	106	-0.47	-2.53	-2.47	-0.54	-0.37	-1802.32	-2075.54	-1887.63	-1990.23	-126.61
6	41	107	4.17	-46.85	-9.95	-32.73	22.83	-953.50	-1.324e+04	-1.079e+04	-3406.12	4912.13
6	41	108	2.73	-3.16	2.73	-3.16	4.63e-02	201.26	-1098.31	-572.32	-324.73	-637.88
6	41	109	1.70	-9.10	1.70	-9.10	0.17	795.96	-2367.11	795.24	-2366.38	48.01
6	41	110	1.30	0.89	0.89	1.30	3.73e-02	2119.49	-1765.36	2119.32	-1765.18	-26.33
6	41	111	-26.08	-57.60	-26.08	-57.60	-0.14	606.14	-757.84	558.59	-710.30	-250.19
6	41	112	50.12	31.36	50.01	31.47	1.46	-195.06	-1321.54	-895.98	-620.62	-546.15
6	41	113	-17.92	-45.18	-44.23	-18.87	5.00	831.49	-666.63	-614.44	779.30	-274.70
6	41	115	-13.78	-38.67	-38.52	-13.93	-1.93	502.73	-325.39	-111.27	288.61	-362.59
6	41	117	17.30	-13.23	4.72	-0.65	-15.03	300.56	-420.33	-78.04	-41.74	-359.99
6	41	119	7.86	2.89	6.19	4.56	-2.34	-25.90	-666.81	-633.29	-59.41	-142.67
6	41	121	21.33	5.32	5.33	21.32	0.41	-30.73	-530.12	-517.78	-43.07	-77.53
6	41	123	5.01	0.56	3.75	1.82	-2.00	143.62	-455.91	-210.37	-101.92	-294.82
6	41	125	-7.30	-24.73	-7.32	-24.71	0.50	437.28	-108.51	307.00	21.76	-232.66
6	41	127	5.63	-0.29	-0.25	5.58	-0.50	-25.55	-622.92	-30.18	-618.29	-52.40
6	41	129	15.98	2.64	14.97	3.65	3.53	-16.25	-307.24	-16.26	-307.23	-1.55
6	41	131	22.81	6.24	6.32	22.73	-1.14	-135.13	-614.53	-599.95	-149.71	82.32
6	41	133	18.84	-0.24	7.37e-02	18.52	-2.43	-319.03	-901.64	-884.03	-336.64	99.74
6	41	134	0.34	-0.52	-0.46	0.29	-0.21	0.95	-5.85	-2.98	-1.93	-3.36
6	41	135	7.00	-4.77	-0.97	3.20	-5.50	2228.29	-1024.45	668.33	535.51	-1625.01
6	41	136	1.77	-3.23	-2.79	1.33	-1.41	979.94	-403.44	577.51	-1.01	-628.30
6	41	137	-2.71e-03	-3.07	-3.00	-7.06e-02	-0.45	929.20	-243.32	718.11	-32.23	-450.50
6	41	138	-7.74e-02	-2.82	-2.76	-0.13	-0.39	775.09	-148.62	647.75	-21.28	-318.44
6	41	139	-5.90e-02	-2.59	-2.54	-0.12	-0.37	596.12	-84.74	524.59	-13.21	-208.77
6	41	140	-3.15e-02	-2.38	-2.32	-9.24e-02	-0.37	475.32	-40.93	441.16	-6.77	-128.32
6	41	141	-3.88e-04	-2.15	-2.08	-6.70e-02	-0.37	420.84	-18.20	405.37	-2.72	-80.95
6	41	142	3.45e-02	-1.84	-1.77	-4.02e-02	-0.37	387.00	-10.98	377.05	-1.04	-62.12
6	41	143	7.34e-02	-1.44	-1.35	-1.73e-02	-0.36	322.24	-11.17	312.31	-1.23	-56.68
6	41	144	0.10	-0.97	-0.82	-5.03e-02	-0.37	191.88	-14.51	180.81	-3.43	-46.51
6	41	145	0.20	-0.32	-0.30	0.19	9.14e-02	152.71	-47.22	-12.80	118.29	-75.48
6	41	146	0.30	-0.33	-0.32	0.30	6.27e-02	238.44	-106.78	-21.53	153.19	-148.87
6	41	147	0.49	-0.54	-0.52	0.47	0.13	256.12	-244.46	-59.47	71.13	-241.62
6	41	148	1.24	0.36	0.42	1.19	0.22	47.44	-676.91	-411.86	-217.60	-348.91
6	41	149	0.70	0.45	0.53	0.62	-0.11	138.70	-575.69	-420.05	-16.94	294.89
6	41	150	-0.41	-0.83	-0.41	-0.83	2.31e-03	462.95	-114.36	-61.74	410.33	166.16
6	41	151	-0.13	-2.02	-0.14	-2.01	9.52e-02	608.17	-31.20	-29.31	606.28	34.70
6	41	152	-8.78e-02	-3.62	-9.18e-02	-3.62	0.12	642.83	-42.44	-28.76	629.16	-95.83
6	41	153	4.45e-02	-5.52	4.42e-02	-5.52	-3.75e-02	564.55	-141.18	-41.09	464.46	-246.21
6	41	154	-1.09	-7.88	-1.11	-7.86	0.37	413.60	-541.39	-178.87	51.07	-463.45
6	41	155	-0.42	-11.73	-0.43	-11.72	-0.25	476.50	-474.13	-180.81	183.18	439.09
6	41	156	-0.13	-12.76	-0.13	-12.75	0.19	836.00	-94.86	-48.54	789.68	202.42
6	41	157	-9.71e-02	-11.73	-9.74e-02	-11.73	-6.09e-02	1157.97	-40.53	-40.53	1157.97	0.70

6	41	158	-1.62e-02	-8.74	-1.87e-02	-8.74	-0.15	1385.39	-73.63	-41.32	1353.08	-214.70
6	41	159	-1.96e-02	-4.91	-2.10e-02	-4.91	-8.38e-02	1519.01	-176.96	-32.20	1374.26	-473.86
6	41	160	4.70e-02	-2.61	-9.65e-02	-2.46	0.60	1808.78	-454.71	63.86	1290.20	-951.25
6	41	161	2.12	0.91	1.65	1.39	-0.59	1797.04	-441.73	1360.10	-4.79	-887.29
6	41	162	0.11	-3.88	-3.83	6.83e-02	-0.43	1603.99	-175.98	1461.94	-33.93	-482.35
6	41	163	-0.17	-10.91	-10.88	-0.20	-0.59	1408.81	-83.95	1360.72	-35.86	-263.58
6	41	164	-1.23	-17.72	-17.71	-1.23	0.20	1009.89	-31.26	999.02	-20.39	-105.83
6	41	165	16.11	-8.56	-6.64	14.18	6.62	291.72	22.80	289.83	24.68	-22.44
6	41	166	38.42	10.60	36.29	12.73	-7.39	719.96	-497.91	195.20	26.85	-603.09
6	41	167	4.99	-23.90	-18.54	-0.37	-11.23	393.20	-503.37	-61.48	-48.69	-448.24
6	41	168	-3.49	-74.63	-74.53	-3.59	-2.65	387.51	-751.78	-600.34	236.07	-386.77
6	41	169	4.51	-28.34	-26.42	2.59	7.72	143.77	-738.82	-454.00	-141.06	-412.62
6	41	170	3.05	-7.25	2.36	-6.55	2.58	225.07	-722.53	-214.91	-282.55	-472.59
6	41	171	-1.02	-4.52	-2.44	-3.11	-1.72	399.54	-490.77	-19.53	-71.70	-444.39
6	41	172	34.82	12.03	12.50	34.34	-3.25	468.15	-518.70	97.41	-147.97	-477.93
6	41	173	16.96	0.97	2.78	15.16	5.06	250.49	-305.27	115.08	-169.87	238.57
6	41	174	12.04	5.38	8.83	8.60	3.33	-156.04	-431.70	-371.51	-216.23	113.88
6	41	175	-8.45	-28.45	-8.45	-28.45	7.91e-02	766.28	-994.27	-203.35	-24.63	875.73
6	41	176	1.52	-16.98	1.46	-16.93	1.00	659.19	-294.65	-50.21	414.76	416.42
6	41	177	0.26	-11.83	0.26	-11.83	0.15	813.46	-122.37	-25.56	716.64	285.01
6	41	178	0.24	-7.67	0.23	-7.67	0.15	862.39	-53.94	-8.73	817.17	198.46
6	41	179	0.46	-4.40	0.46	-4.39	0.10	852.09	39.33	58.54	832.88	123.45
6	41	180	1.41	-1.16	1.40	-1.14	-0.18	849.16	643.28	670.00	822.44	69.20
6	41	181	-4.76	-10.56	-4.97	-10.35	1.08	834.75	752.39	761.29	825.85	-25.57
6	41	182	2.52	-4.60	2.44	-4.52	0.76	980.26	-54.35	67.34	858.56	-333.32
6	41	183	4.30	-4.90	4.24	-4.84	-0.70	1152.35	-77.82	164.82	909.71	-489.50
6	41	184	-12.03	-18.71	-12.06	-18.69	-0.39	2642.26	336.62	1903.62	1075.27	-1075.85
6	41	185	-1.10	-6.72	-1.22	-6.60	-0.83	1156.28	-327.54	73.92	754.83	-659.18
6	41	186	0.68	-5.51	9.04e-02	-4.92	-1.81	825.31	-7.36	64.20	753.75	233.38
6	41	187	0.74	-7.53	-9.84e-02	-6.69	-2.50	893.94	-9.92	139.48	744.55	335.73
6	41	188	0.89	-10.35	-0.31	-9.14	-3.48	919.52	-81.70	207.85	629.97	453.94
6	41	189	1.31	-14.62	-0.78	-12.54	-5.37	907.10	-287.85	321.96	297.29	597.35
6	41	190	19.84	-11.58	6.37	1.89	-15.55	823.56	-960.13	-26.43	-110.14	-890.86
6	41	191	1.65	-6.76	0.53	-5.64	-2.86	1292.56	327.14	505.57	1114.14	-374.72
6	41	192	1.11	-7.48	0.81	-7.18	-1.57	961.24	451.59	454.84	958.00	-40.54
6	41	193	0.91	-7.73	0.91	-7.73	-4.44e-02	815.00	265.73	478.07	602.66	267.48
6	41	194	0.71	-4.47	-0.17	-3.59	1.94	690.24	7.39	371.20	326.43	-340.69
6	41	195	0.54	-3.23	-0.35	-2.34	1.59	580.77	222.87	297.30	506.33	-145.26
6	41	196	0.51	-2.25	-0.40	-1.34	1.30	495.51	277.09	284.81	487.79	40.33
6	41	197	0.72	-1.52	-0.31	-0.48	1.12	541.26	88.75	340.48	289.54	224.82
6	41	198	0.53	-0.45	-0.41	0.49	-0.20	546.54	-270.10	300.64	-24.21	-374.63
6	41	199	2.67e-02	-1.70	-1.65	-2.07e-02	-0.28	410.49	-3.28	381.38	25.83	-105.81
6	41	200	-2.16e-02	-2.14	-2.07	-9.00e-02	-0.37	416.99	25.57	375.74	66.81	-120.18
6	41	201	-9.25e-02	-2.49	-2.41	-0.17	-0.43	479.64	13.64	360.92	132.35	-203.04
6	41	202	-0.18	-2.80	-2.73	-0.25	-0.42	676.88	-80.67	400.85	195.37	-364.58
6	41	203	-0.27	-3.16	-3.11	-0.31	-0.35	961.05	-216.64	505.14	239.28	-573.64
6	41	204	-0.39	-3.72	-3.71	-0.40	-0.19	1233.52	-380.35	575.84	277.33	-793.01
6	41	205	5.28	-15.78	3.50	-14.01	5.85	440.50	-603.10	436.32	-598.92	-65.92
6	41	206	7.39	-14.80	-2.82	-4.59	-11.06	872.67	-905.26	137.54	-170.13	-875.55
6	41	207	6.84	-15.95	-14.01	4.90	6.36	737.55	-941.37	681.11	-884.93	-302.62
6	41	208	17.64	-14.66	14.76	-11.78	9.21	654.94	-854.02	66.12	-265.21	-736.07
6	41	209	-0.74	-14.95	-3.80	-11.90	-5.84	906.27	-880.66	634.31	-608.70	641.88
6	41	210	11.70	-9.29	11.55	-9.13	-1.78	804.28	-254.18	654.24	-104.14	-369.19
6	41	211	0.72	-5.17	7.45e-02	-4.53	1.84	875.02	-459.78	616.13	-200.89	-527.77
6	41	212	-0.44	-5.34	-5.21	-0.56	0.78	1370.28	-644.43	420.33	305.52	-1005.72
6	41	213	-0.91	-8.42	-2.70	-6.64	3.19	1269.17	-473.70	22.61	772.85	-786.57
6	41	214	0.30	-0.57	-0.55	0.29	-0.11	396.25	-109.04	211.42	75.78	-243.37
6	41	215	6.65e-02	-1.18	-1.16	4.08e-02	-0.18	371.03	-23.92	325.69	21.42	-125.89
6	41	216	0.89	-7.13	0.67	-6.91	1.33	944.11	-338.86	675.06	-69.80	522.30
6	41	217	0.75	-4.64	0.44	-4.33	-1.25	790.07	-252.58	-244.84	782.34	89.47
6	41	218	0.82	-0.87	-5.03e-02	-5.13e-03	0.84	793.82	-336.38	620.67	-163.23	407.08
6	41	219	-1.98	-6.95	-3.53	-5.40	-2.31	808.13	-590.47	-237.55	455.21	-607.49
6	41	220	0.45	-8.17e-02	-5.86e-02	0.43	-0.11	841.18	-572.50	610.19	-341.51	-522.68
6	41	221	4.92	-9.95	-8.37	3.34	-4.58	958.24	171.89	867.26	262.86	-251.52
6	41	222	1.66	-5.41	-0.13	-3.62	-3.07	1623.24	43.24	576.15	1090.33	-747.00
6	41	223	3.38	-8.53	-5.19	3.33e-02	-5.35	1401.84	130.30	1203.53	328.61	-461.34
6	41	224	5.24	-11.89	3.99	-10.64	4.45	950.43	-742.98	929.13	-721.68	188.71
6	41	225	1.00	-6.56	0.54	-6.10	1.82	995.90	-621.37	995.89	-621.36	-1.35
6	41	226	-1.68	-4.83	-2.28	-4.23	1.23	600.95	-59.01	28.75	513.20	-224.09
6	41	227	0.57	-0.16	9.19e-02	0.32	0.35	774.39	-573.44	772.98	-572.03	-43.57
6	41	228	2.89	-6.08	-2.57	-0.62	-4.38	1691.40	-16.77	1220.77	453.87	-763.17
6	41	231	0.38	-10.99	-8.83	-1.77	4.46	799.31	-1220.82	-679.42	257.91	-894.76
6	41	232	9.94e-02	-0.57	-0.57	9.62e-02	-4.63e-02	278.09	-37.05	178.97	62.07	-146.32
6	41	233	1.21	-3.26	-1.19	-0.86	-2.23	1998.21	-522.26	789.36	686.60	-1259.18
6	41	234	12.47	-19.92	-19.35	11.90	-4.26	331.19	152.30	251.68	231.81	-88.89
6	41	235	-8.94e-02	-2.84	-2.62	-0.31	-0.74	298.26	83.77	216.83	165.21	-104.09
6	41	236	-0.34	-3.06	-2.86	-0.55	-0.71	522.86	-74.77	174.24	273.85	-294.64

6	41	237	1.27	-2.67	-1.01	-0.39	1.94	485.43	371.25	485.03	371.65	6.75
6	41	238	1.14	-6.46	-0.90	-4.42	-3.37	766.75	107.65	219.56	654.84	247.46
6	41	239	1.52	-3.22	-0.94	-0.76	2.37	549.66	353.04	516.57	386.12	-73.56
6	41	240	1.80	-8.27	-1.41	-5.07	-4.69	751.66	120.70	319.99	552.36	293.31
6	41	241	-0.68	-3.23	-3.11	-0.79	-0.53	838.06	-209.91	286.06	342.10	-523.24
6	41	242	3.59	-5.15	2.99	-4.55	-2.22	851.90	657.69	817.95	691.65	-73.76
6	41	243	6.48e-02	-2.38	-2.23	-8.22e-02	-0.58	351.65	55.56	345.17	62.04	-43.32
6	41	244	2.34	-9.64	-1.91	-5.40	-5.73	703.07	45.78	495.64	253.22	305.47
6	41	245	1.88	-3.73	-0.66	-1.19	2.80	687.28	191.21	641.94	236.55	-142.96
6	41	246	0.58	-4.98	-0.41	-3.99	-2.13	662.81	111.66	159.34	615.13	154.94
6	41	247	1.08	-2.14	-0.96	-0.11	1.55	556.85	190.93	542.90	204.88	70.07
6	41	248	2.90	-4.49	2.89	-4.48	0.28	876.40	385.71	848.30	413.82	114.02
6	41	249	13.54	-15.09	12.36	-13.91	-5.71	684.05	-260.44	682.14	-258.53	-42.42
6	41	250	-1.26	-3.57	-3.57	-1.26	-7.24e-02	1101.13	-274.20	403.65	423.28	-687.60
6	41	251	0.13	-1.77	-1.68	4.37e-02	-0.39	431.57	-3.91	416.92	10.74	-78.51
6	41	252	2.68	-9.41	-0.53	-6.20	-5.34	779.77	-211.22	732.38	-163.83	211.47
6	41	253	14.85	-24.61	13.30	-23.06	-7.68	574.94	-432.59	546.99	-404.63	-165.49
6	41	254	0.28	-1.05	-1.02	0.25	-0.20	548.24	-129.57	492.39	-73.73	-186.37
6	41	255	2.31	-4.11	5.67e-02	-1.86	3.07	854.61	-29.87	837.02	-12.29	-123.46
6	41	256	2.95	-4.52	2.23	-3.80	2.20	971.89	31.82	941.71	62.00	165.72
6	41	257	0.24	-0.88	-0.87	0.23	6.20e-02	662.19	-219.36	632.67	-189.83	-158.61
6	41	258	-0.11	-4.02	-0.38	-3.76	-0.98	463.79	151.79	155.11	460.47	-32.03
6	41	259	0.82	-1.58	-0.82	5.62e-02	1.11	661.41	-50.74	656.07	-45.40	61.46
6	41	260	-2.68	-3.80	-2.70	-3.77	-0.17	1022.77	-201.78	267.69	553.29	-595.39
6	41	261	6.71	-9.06	6.17	-8.52	-2.88	828.33	-341.33	823.84	-336.85	72.30
6	41	262	2.80	-4.15	1.16	-2.51	2.95	988.50	-131.91	987.92	-131.34	25.32
6	41	263	4.55	-6.04	2.04	-3.53	-4.50	1149.84	538.38	888.70	799.52	-302.46
6	41	264	-1.75	-3.57	-1.75	-3.57	-9.34e-03	516.68	39.83	210.93	345.58	-228.72
6	41	265	-2.24	-4.14	-2.69	-3.69	-0.80	729.06	-99.01	254.36	375.68	-409.57
6	41	266	0.43	-0.99	-0.77	0.20	0.52	725.92	-232.84	723.45	-230.37	-48.62
6	41	268	6.74	-7.16	0.27	-0.69	-6.93	1210.86	362.20	1033.54	539.52	-345.03
6	41	270	14.35	-11.50	-3.90	6.75	-11.78	441.26	29.09	242.13	228.22	-205.97
6	41	271	10.70	-7.30	0.52	2.88	-8.92	854.52	273.63	747.38	380.78	-225.30
6	41	272	-2.03	-4.51	-3.93	-2.61	1.05	1239.14	-362.23	300.49	576.42	-788.71
6	41	273	0.20	-1.15	-1.10	0.16	-0.25	435.70	-44.88	379.47	11.35	-154.46
6	41	274	4.29	-6.59	-0.19	-2.11	-5.35	1416.86	342.27	1006.26	752.86	-522.14
6	41	275	-0.49	-3.54	-3.08	-0.96	-1.10	272.08	-277.44	-168.59	163.23	-219.01
6	41	276	2.33	-3.11	-1.64	0.86	2.41	542.06	353.09	541.83	353.31	6.52
6	41	277	1.72	-2.81	-1.70	0.61	1.95	497.30	340.16	496.54	340.92	-10.88
6	41	278	1.24	-4.89	-1.92	-1.73	-3.07	681.82	102.09	174.69	609.21	191.89
6	41	279	2.42	-6.08	-2.36	-1.29	-4.21	625.62	170.05	244.85	550.83	168.76
6	41	280	0.15	-3.79	-3.41	-0.23	-1.16	55.34	-15.99	32.48	6.88	33.29
6	41	281	3.72	-6.57	-2.24	-0.61	-5.08	413.62	227.13	341.24	299.51	90.88
6	41	282	-0.71	-2.93	-2.27	-1.37	-1.01	670.34	-384.43	65.24	220.67	-521.63
6	41	283	3.10	-3.29	-1.29	1.11	2.96	663.08	228.31	661.40	230.00	27.01
6	41	284	0.17	-2.68	-2.57	5.47e-02	-0.56	359.32	-67.29	357.26	-65.23	29.63
6	41	285	7.20e-02	-3.43	-1.42	-1.94	-1.73	563.70	75.66	144.71	494.65	170.09
6	41	286	1.23	-2.51	-1.70	0.42	1.55	527.40	185.62	524.37	188.65	-32.00
6	41	287	5.75	-2.09	5.58	-1.91	1.16	921.75	283.52	920.82	284.45	24.34
6	41	288	9.06	-6.52	4.95	-2.41	-6.87	582.64	-350.30	576.54	-344.20	75.23
6	41	289	4.94	-2.80	1.38	0.76	3.86	933.23	-32.22	926.40	-25.39	80.92
6	41	290	6.80	-3.11	6.33	-2.64	-2.10	927.73	462.27	909.51	480.48	-90.25
6	41	291	5.56	-6.08	9.68e-02	-0.61	-5.81	493.74	-122.36	492.83	-121.44	23.75
6	41	292	0.43	-1.95	-1.81	0.29	0.56	633.27	-157.83	630.46	-155.02	-47.10
6	41	293	-1.22	-2.50	-1.23	-2.49	-6.77e-02	385.76	-27.16	283.07	75.53	-178.48
6	41	294	4.02	-3.21	-0.35	1.16	3.53	819.41	49.80	815.24	53.97	56.46
6	41	295	13.74	-9.84	8.90	-5.00	-9.52	482.66	-290.71	462.55	-270.60	123.06
6	41	296	-0.89	-2.22	-1.01	-2.10	-0.38	286.98	159.90	195.71	251.17	57.17
6	41	297	5.34	-2.32	3.61	-0.59	3.21	957.62	65.56	950.97	72.21	76.75
6	41	298	0.81	-2.23	-1.74	0.32	1.12	596.68	-24.46	593.05	-20.83	-47.34
6	41	299	-1.96	-2.87	-2.05	-2.78	-0.27	647.71	-199.70	310.32	137.68	-414.82
6	41	300	0.26	-1.82	-1.82	0.26	2.94e-02	591.02	-159.51	587.61	-156.11	-50.43
6	41	301	13.91	-2.35	10.97	0.60	-6.26	738.02	289.34	677.28	350.08	-153.50
6	41	302	24.43	1.46	16.79	9.10	-10.82	286.79	35.83	163.25	159.37	-125.47
6	41	303	0.20	-1.82	-1.77	0.15	-0.30	501.14	-75.27	495.16	-69.29	-58.41
6	41	304	-1.95	-2.93	-2.77	-2.11	-0.36	913.53	-260.45	315.28	337.80	-586.88
6	41	305	12.52	-13.77	5.19	-6.43	-11.79	256.65	-218.99	255.86	-218.20	19.33
6	41	306	7.88	-5.11	4.64	-1.87	-5.62	1050.65	455.66	944.72	561.59	-227.62
6	41	307	2.83	-2.96	-2.36	2.23	1.76	485.56	314.78	405.42	394.92	85.23
6	41	308	2.92	-4.46	-2.99	1.45	-2.95	614.51	52.70	78.37	588.85	117.30
6	41	309	1.89	-2.80	-2.35	1.44	1.38	388.43	350.03	353.27	385.20	-10.67
6	41	310	1.64	-3.84	-2.73	0.53	-2.20	643.51	8.42	46.00	605.93	149.85
6	41	311	11.64	-3.10	3.25	5.28	-7.30	158.94	-689.15	158.67	-688.88	15.22
6	41	312	7.75	-1.80	1.00	4.94	4.35	730.97	-151.20	707.47	-127.69	142.07
6	41	313	4.50	-4.51	-2.78	2.77	-3.54	399.61	2.86	6.74	395.74	39.01
6	41	314	-1.07	-3.21	-2.83	-1.44	-0.81	-119.88	-803.66	-802.07	-121.47	-32.91
6	41	315	-0.73	-1.64	-0.83	-1.54	-0.29	144.91	-425.29	108.31	-388.69	-139.75

6	41	316	4.07	-2.98	-2.14	3.23	2.29	584.66	156.57	492.71	248.53	175.81
6	41	317	0.44	-4.35	-4.14	0.24	-0.98	-133.50	-553.61	-178.33	-508.78	129.71
6	41	318	0.40	-3.06	-2.99	0.33	0.49	466.67	-257.56	461.88	-252.77	-58.70
6	41	319	15.59	-0.41	6.24	8.94	-7.88	155.68	-536.01	-49.71	-330.61	316.04
6	41	320	0.58	-2.81	-2.33	0.10	-1.18	507.54	-97.01	-37.72	448.25	179.80
6	41	321	1.18	-2.71	-2.35	0.82	1.12	402.41	153.79	342.44	213.75	-106.36
6	41	322	9.57	0.31	8.48	1.40	2.98	757.27	144.03	756.34	144.96	-23.94
6	41	323	7.11	-4.05	-1.48	4.54	-4.70	-28.75	-352.08	-157.15	-223.68	-158.21
6	41	324	3.99e-02	-1.81	-1.80	3.40e-02	0.10	316.85	-276.78	-34.53	74.60	291.75
6	41	325	0.75	-2.83	-2.58	0.51	0.91	422.25	-117.29	382.51	-77.54	-140.94
6	41	326	8.57	-0.62	4.60	3.35	4.55	759.49	-32.78	757.88	-31.17	35.65
6	41	327	5.71	-2.69	-1.24	4.26	3.18	677.06	-56.48	615.26	5.31	203.73
6	41	328	20.52	0.73	11.55	9.71	-9.85	65.78	-249.35	-29.15	-154.43	144.58
6	41	329	26.96	5.11	26.19	5.88	4.02	40.99	-46.71	-29.96	24.24	-34.47
6	41	330	0.36	-2.91	-2.89	0.33	-0.27	410.55	-236.22	410.04	-235.71	18.14
6	41	331	-0.94	-2.75	-1.34	-2.35	-0.75	460.37	-740.70	-30.71	-249.61	-590.48
6	41	332	11.01	-0.16	10.96	-0.12	-0.71	759.27	277.16	741.59	294.83	-90.60
6	41	333	22.99	4.84	11.70	16.14	8.80	-75.02	-200.02	-199.96	-75.08	-2.67
6	41	334	1.93	-2.86	-2.84	1.91	0.30	490.58	126.40	127.41	489.57	19.14
6	41	335	3.17	-3.47	-3.20	2.90	-1.31	616.05	-15.49	14.85	585.72	135.05
6	41	336	3.10	-2.99	-2.95	3.07	0.45	546.43	119.96	172.13	494.26	139.74
6	41	337	1.97	-3.26	-3.04	1.75	-1.05	597.46	-23.44	-11.33	585.35	85.86
6	41	338	4.79	-3.31	-3.03	4.51	-1.48	479.41	-175.48	-120.82	424.75	181.13
6	41	339	4.64	-2.93	-2.87	4.59	0.65	519.17	-51.53	149.20	318.45	272.51
6	41	340	1.04	-2.84	-2.82	1.02	0.32	352.74	-26.43	13.85	312.46	-116.82
6	41	341	1.13	-2.95	-2.76	0.94	-0.86	437.60	-200.16	-199.32	436.76	23.18
6	41	342	0.66	-3.16	-2.82	0.33	-1.08	124.51	-704.80	-670.93	90.64	-164.14
6	41	343	0.39	-3.13	-3.08	0.34	0.41	91.44	-480.85	-221.13	-168.27	-284.92
6	41	344	6.81	-2.42	-2.05	6.44	-1.82	189.17	-650.67	-575.60	114.11	239.59
6	41	345	6.97	-3.18	-3.14	6.93	0.65	361.12	-473.56	97.55	-209.99	387.98
6	41	346	-1.29e-02	-3.67	-3.60	-8.54e-02	0.51	361.07	-624.65	352.29	-615.87	-92.62
6	41	347	12.70	0.72	4.83	8.59	5.69	358.26	-189.39	358.09	-189.21	-9.85
6	41	348	16.27	2.84	16.16	2.95	1.19	453.61	143.01	434.95	161.67	-73.80
6	41	349	16.19	1.13	2.82	14.51	4.75	-207.08	-430.91	-295.51	-342.48	-109.42
6	41	350	11.63	-1.83	-0.72	10.51	3.71	259.10	-543.18	225.17	-509.26	161.45
6	41	351	14.57	2.74	11.08	6.23	5.39	399.16	16.25	393.34	22.07	-46.86
6	47	99	2.60	-1.70	-1.70	2.60	2.43e-02	3.84	-98.93	-33.59	-61.50	49.45
6	47	100	2.29	-12.35	1.60	-11.66	3.11	-117.52	-1453.14	-1308.80	-261.86	414.67
6	47	101	7.89	-8.17	-8.17	7.88	0.27	-593.14	-1243.07	-593.20	-1243.02	-6.10
6	47	102	20.21	4.01	20.20	4.01	-0.24	-57.30	-509.15	-495.90	-70.56	76.25
6	47	103	7.63	-7.85	3.69	-3.91	-6.74	1471.87	-1733.10	1388.83	-1650.06	-509.15
6	47	104	8.91	-0.96	-0.95	8.90	-0.16	-1213.00	-1497.11	-1400.73	-1309.39	134.51
6	47	105	4.65	-7.46	-0.35	-2.45	5.96	-23.60	-1544.82	-45.89	-1522.52	182.80
6	47	106	-0.39	-0.80	-0.78	-0.42	-0.10	-1228.74	-1528.32	-1237.37	-1519.69	-50.11
6	47	107	0.71	-16.92	-7.33	-8.88	8.78	-1165.66	-4677.84	-3065.36	-2778.14	1750.21
6	47	108	3.46	-3.95	3.46	-3.95	3.19e-02	-7.78	-1027.70	-314.33	-721.15	-467.64
6	47	109	0.73	-3.03	0.66	-2.96	0.54	108.74	-1975.47	93.74	-1960.47	176.19
6	47	110	0.13	-0.56	-0.38	-4.32e-02	0.30	-359.47	-1402.31	-369.29	-1392.49	100.69
6	47	111	-8.51	-22.30	-8.52	-22.30	0.22	406.23	-414.07	379.74	-387.58	-145.01
6	47	112	20.87	13.59	20.86	13.61	-0.30	33.32	-160.89	-38.48	-89.09	-93.75
6	47	113	-1.26	-18.37	-18.05	-1.57	2.29	784.08	-404.26	-382.67	762.50	-158.69
6	47	115	-8.87	-17.14	-16.65	-9.36	1.96	412.10	-192.84	-37.56	256.82	-264.24
6	47	117	6.27	-7.24	0.83	-1.80	-6.62	194.64	-148.51	53.31	-7.18	-168.89
6	47	119	7.50	0.53	4.78	3.25	-3.40	-3.28	-446.87	-436.11	-14.04	-68.26
6	47	121	8.09	1.67	3.53	6.22	-2.91	3.38	-383.34	-382.76	2.80	-14.96
6	47	123	0.44	-1.16	-0.96	0.24	-0.52	135.48	-68.11	17.41	49.96	-100.49
6	47	125	-5.20	-11.49	-5.65	-11.04	1.62	266.88	-1.57	226.64	38.66	-95.82
6	47	127	1.63	2.68e-02	4.06e-02	1.61	0.15	1.69	-360.14	1.51	-359.96	8.15
6	47	129	5.49	-1.60	4.91	-1.03	1.93	21.93	-157.52	5.22	-140.82	52.14
6	47	131	3.72	3.53	3.63	3.62	-9.67e-02	-73.61	-521.05	-499.85	-94.81	95.06
6	47	133	4.89	0.40	0.44	4.84	-0.46	-214.38	-734.62	-713.53	-235.47	102.59
6	47	134	9.55e-03	-1.47e-02	-1.34e-02	8.27e-03	5.42e-03	0.47	-3.21	-1.41	-1.33	-1.84
6	47	135	-0.58	-3.95	-3.17	-1.37	-1.43	1416.79	-152.74	795.77	468.28	-767.49
6	47	136	1.10	-0.88	-0.80	1.02	-0.40	898.91	-100.30	777.34	21.27	-326.65
6	47	137	0.12	-0.30	-0.30	0.12	-2.39e-02	796.35	-67.08	743.90	-14.63	-206.23
6	47	138	6.36e-02	2.71e-02	6.08e-02	2.99e-02	-9.75e-03	629.24	-35.33	603.97	-10.06	-127.11
6	47	139	0.18	1.22e-02	0.17	1.32e-02	-1.28e-02	468.49	-14.90	458.29	-4.71	-69.45
6	47	140	0.16	5.69e-03	0.16	6.65e-03	-1.22e-02	360.71	-3.93	357.52	-0.74	-33.93
6	47	141	0.12	4.07e-03	0.12	4.80e-03	-9.02e-03	298.51	-5.72e-02	297.18	1.28	-19.93
6	47	142	8.23e-02	4.78e-03	8.17e-02	5.37e-03	-6.75e-03	251.45	-9.63e-02	249.69	1.67	-20.99
6	47	143	5.35e-02	5.80e-03	5.25e-02	6.76e-03	-6.69e-03	194.42	-2.75	190.85	0.81	-26.28
6	47	144	1.88e-02	1.75e-03	1.38e-02	6.70e-03	-7.73e-03	110.29	-6.81	104.68	-1.20	-25.02
6	47	145	4.09e-02	1.11e-03	1.68e-03	4.04e-02	4.71e-03	86.90	-28.32	-7.91	66.49	-43.99
6	47	146	9.83e-02	1.21e-02	1.21e-02	9.83e-02	7.55e-04	132.39	-65.06	-11.27	78.61	-87.90
6	47	147	0.14	8.71e-02	9.74e-02	0.13	-2.20e-02	150.57	-145.74	-6.69	11.52	-147.87
6	47	148	-0.11	-0.28	-0.25	-0.14	-6.36e-02	244.36	-344.45	58.95	-159.03	-273.49
6	47	149	0.26	3.74e-02	5.17e-02	0.24	5.44e-02	239.40	-177.42	44.22	17.76	207.99

6	47	150	5.58e-02	1.43e-02	4.44e-02	2.57e-02	1.85e-02	338.06	-35.24	-10.02	312.84	93.70
6	47	151	2.39e-02	-0.39	2.23e-02	-0.38	2.57e-02	459.96	-18.18	-18.17	459.95	1.63
6	47	152	1.97e-02	-0.99	1.87e-02	-0.99	3.15e-02	492.79	-37.03	-20.83	476.59	-91.22
6	47	153	7.65e-02	-1.76	7.58e-02	-1.76	-3.50e-02	434.84	-114.17	-22.01	342.68	-205.20
6	47	154	-0.50	-2.83	-0.50	-2.83	0.11	406.01	-412.43	-35.17	28.75	-407.97
6	47	155	0.18	-3.55	0.17	-3.55	-0.13	432.22	-292.04	-51.40	191.58	341.14
6	47	156	-0.12	-4.35	-0.12	-4.35	3.08e-02	732.69	-61.61	-29.73	700.81	155.89
6	47	157	-4.57e-02	-4.21	-4.59e-02	-4.21	-2.48e-02	1014.21	-33.17	-33.04	1014.08	-11.59
6	47	158	-2.52e-02	-3.47	-2.57e-02	-3.47	-4.05e-02	1212.44	-66.81	-36.35	1181.98	-195.02
6	47	159	-8.92e-02	-2.56	-8.94e-02	-2.56	2.19e-02	1321.70	-163.15	-33.21	1191.76	-419.59
6	47	160	-0.53	-3.02	-0.77	-2.78	0.73	1577.80	-455.32	19.86	1102.62	-860.41
6	47	161	2.60	1.09	2.34	1.35	-0.57	1607.73	-298.93	1229.09	79.71	-760.64
6	47	162	0.10	-0.55	-0.53	7.18e-02	-0.13	1453.51	-132.36	1341.69	-20.54	-405.99
6	47	163	-4.59e-02	-3.40	-3.39	-5.60e-02	-0.18	1312.03	-62.72	1280.80	-31.49	-204.85
6	47	164	-0.32	-6.72	-6.72	-0.32	2.80e-02	997.61	-23.46	995.03	-20.88	-51.30
6	47	165	4.72	-6.44	-6.19	4.48	1.63	430.19	-0.64	420.56	8.99	63.69
6	47	166	16.48	2.80	16.29	2.99	-1.57	580.69	-315.23	248.18	17.27	-432.83
6	47	167	4.09	-6.58	-2.83	0.33	-5.09	309.34	-140.23	154.03	15.08	-213.78
6	47	168	-1.39	-29.28	-29.22	-1.46	-1.33	148.21	-2.22	98.44	47.55	-70.78
6	47	169	1.91	-11.61	-10.61	0.91	3.55	232.83	-52.15	224.97	-44.29	46.66
6	47	170	0.66	-3.63	0.45	-3.42	0.91	291.90	-18.87	-18.86	291.89	1.42
6	47	171	0.58	-1.44	-0.18	-0.68	-0.98	369.76	-63.01	-8.32	315.07	-143.80
6	47	172	11.65	2.67	2.95	11.37	-1.56	478.28	-204.07	90.33	183.88	-337.95
6	47	173	6.75	1.38	1.98	6.15	1.70	106.54	40.01	40.92	105.63	7.73
6	47	174	3.92	1.12	2.94	2.10	1.34	104.16	-360.36	-308.17	51.97	-146.69
6	47	175	-1.76	-10.48	-1.78	-10.46	-0.40	565.92	-547.34	-265.69	284.28	483.96
6	47	176	1.87e-02	-8.24	1.56e-02	-8.23	0.16	746.18	-114.14	-52.91	684.95	221.20
6	47	177	-1.16e-03	-6.87	-1.61e-03	-6.87	-5.53e-02	875.44	-36.61	-30.66	869.49	73.40
6	47	178	7.07e-02	-5.89	7.04e-02	-5.89	-4.57e-02	854.54	-30.63	-26.92	850.83	-57.19
6	47	179	0.61	-5.40	0.60	-5.39	-0.30	706.34	-78.78	-23.75	651.30	-200.45
6	47	180	-2.43	-7.37	-2.44	-7.35	-0.26	612.60	-326.02	-8.19	294.77	-444.19
6	47	181	2.67	2.30	2.41	2.57	-0.17	354.77	-79.48	-40.17	315.45	124.60
6	47	182	-0.24	-0.60	-0.38	-0.46	-0.18	665.80	-35.79	-30.99	660.99	-57.89
6	47	183	1.03	-1.40	0.96	-1.32	-0.41	816.72	-70.82	12.11	733.79	-258.31
6	47	184	-1.92	-4.74	-2.26	-4.40	-0.92	1346.37	-118.00	505.49	722.89	-724.07
6	47	185	1.16	-1.69	0.32	-0.85	1.30	604.86	234.62	358.23	481.25	-174.60
6	47	186	-0.48	-4.71	-0.50	-4.69	0.30	690.37	117.93	297.04	511.26	-265.42
6	47	187	-0.19	-4.79	-0.24	-4.74	-0.49	739.53	245.17	257.87	726.83	-78.20
6	47	188	-1.66e-02	-5.30	-0.18	-5.13	-0.92	766.42	246.09	268.58	743.93	105.82
6	47	189	0.29	-6.10	-4.01e-03	-5.81	-1.35	757.67	126.11	340.22	543.57	298.96
6	47	190	7.20	-5.53	1.60	6.94e-02	-6.32	445.64	-112.17	147.29	186.19	-278.23
6	47	191	0.35	-2.46	0.12	-2.23	-0.76	1139.55	280.48	441.58	978.45	-335.33
6	47	192	0.30	-2.70	0.26	-2.66	-0.35	852.85	377.97	383.69	847.13	-51.81
6	47	193	0.37	-2.71	0.35	-2.70	0.20	684.13	246.36	382.71	547.78	202.73
6	47	194	0.37	-1.62	-2.13e-02	-1.23	0.79	538.61	-24.54	274.10	239.97	-281.06
6	47	195	0.30	-1.08	-6.03e-02	-0.72	0.61	465.90	138.96	216.60	388.25	-139.13
6	47	196	0.25	-0.67	-6.65e-02	-0.36	0.44	379.01	192.50	192.77	378.75	-7.00
6	47	197	0.19	-0.37	-7.20e-02	-0.11	0.28	328.19	98.19	193.44	232.94	113.29
6	47	198	3.84e-02	-0.13	-7.89e-02	-1.20e-02	7.69e-02	291.17	-186.23	150.23	-45.28	-217.77
6	47	199	1.62e-02	-3.49e-02	-3.08e-02	1.21e-02	-1.38e-02	270.66	-7.95	264.16	-1.45	-42.05
6	47	200	1.43e-02	-5.76e-02	-5.42e-02	1.08e-02	-1.53e-02	299.72	14.98	296.91	17.79	-28.14
6	47	201	-5.71e-03	-9.51e-02	-9.51e-02	-5.73e-03	-1.07e-03	337.01	48.75	328.18	57.59	-49.69
6	47	202	-1.59e-02	-0.21	-0.18	-4.55e-02	6.89e-02	441.90	59.57	397.09	104.37	-122.98
6	47	203	4.56e-02	-0.50	-0.36	-9.86e-02	0.24	637.66	28.58	523.56	142.68	-237.65
6	47	204	0.16	-1.05	-0.73	-0.16	0.54	854.41	-23.69	656.35	174.37	-367.00
6	47	205	3.09	-6.81	2.11	-5.83	2.96	398.43	-140.60	368.63	-110.81	-123.18
6	47	206	-5.36e-02	-5.00	-2.84	-2.22	-2.45	505.98	-355.45	193.13	-42.60	-414.28
6	47	207	1.94	-6.23	-5.29	1.00	2.61	569.49	-435.56	527.26	-393.33	-201.64
6	47	208	6.72	-6.07	5.95	-5.30	3.04	204.15	100.03	188.96	115.21	-36.75
6	47	209	-3.11e-02	-5.71	-0.36	-5.38	-1.32	845.66	-283.36	600.28	-37.99	465.65
6	47	210	4.60	-3.79	4.60	-3.79	-0.12	765.41	-221.42	603.79	-59.79	-365.20
6	47	211	0.32	-1.91	-1.56e-02	-1.58	0.80	626.84	-403.94	432.24	-209.34	-403.39
6	47	212	0.33	-2.37	-1.58	-0.47	1.23	983.47	-120.43	659.99	203.05	-502.45
6	47	213	0.54	-2.83	-0.43	-1.86	1.52	868.99	0.35	321.81	547.53	-419.40
6	47	214	1.99e-02	-2.07e-02	-2.04e-02	1.95e-02	-3.91e-03	227.74	-73.99	121.45	32.30	-144.13
6	47	215	1.78e-02	-2.19e-02	-1.29e-02	8.73e-03	-1.67e-02	224.68	-17.43	204.46	2.79	-66.99
6	47	216	0.57	-2.54	0.42	-2.39	0.66	722.38	-237.05	486.98	-1.65	412.84
6	47	217	-1.38	-4.00	-1.74	-3.64	0.90	701.34	-276.77	428.98	-4.41	-438.43
6	47	218	0.11	-0.19	-7.90e-02	4.45e-03	0.15	337.11	-210.64	230.32	-103.85	217.01
6	47	219	1.98	-1.75	1.47	-1.24	1.29	476.70	90.24	458.09	108.85	82.75
6	47	220	8.60e-02	-0.29	-0.22	1.73e-02	0.15	327.30	-425.58	208.44	-306.72	-274.52
6	47	221	1.87	-4.06	-2.79	0.60	-2.43	897.38	219.73	861.57	255.55	-151.62
6	47	222	0.20	-1.91	-0.17	-1.55	-0.79	1424.58	40.61	516.96	948.22	-657.53
6	47	223	1.37	-3.18	-1.64	-0.17	-2.15	1262.51	170.55	1130.70	302.35	-355.74
6	47	224	2.75	-5.12	2.37	-4.74	1.70	841.81	-374.35	836.85	-369.40	77.47
6	47	225	0.41	-2.24	0.27	-2.10	0.59	779.35	-512.94	779.32	-512.91	6.07
6	47	226	0.46	-3.00	-0.30	-2.24	-1.44	768.49	-355.72	736.15	-323.38	-187.92

6	47	227	6.44e-02	-0.21	-0.21	6.44e-02	7.68e-04	445.95	-461.99	445.30	-461.34	-24.27
6	47	228	1.28	-2.12	-0.64	-0.21	-1.69	1490.19	28.35	1119.87	398.67	-635.78
6	47	231	4.76e-02	-3.90	-2.08	-1.77	1.97	793.17	-437.38	196.83	158.96	-614.99
6	47	232	3.23e-02	-1.70e-02	-6.79e-05	1.53e-02	-2.34e-02	160.19	-22.90	105.57	31.73	-83.77
6	47	233	0.50	-1.14	-0.65	1.40e-02	-0.75	1735.86	-441.40	733.90	560.56	-1085.18
6	47	234	4.10	-6.86	-6.04	3.28	-2.89	320.41	241.09	318.55	242.95	12.00
6	47	235	-2.76e-02	-0.27	-0.25	-4.54e-02	6.33e-02	278.03	62.51	277.95	62.59	4.10
6	47	236	-7.89e-02	-0.44	-0.33	-0.19	0.16	316.83	106.04	279.95	142.92	-80.09
6	47	237	0.49	-0.85	-0.27	-8.82e-02	0.66	352.02	293.76	350.94	294.83	-7.84
6	47	238	-0.59	-3.17	-0.79	-2.97	-0.68	600.88	393.63	400.01	594.50	-35.81
6	47	239	0.67	-1.17	-0.26	-0.23	0.92	432.52	261.38	392.79	301.11	-72.26
6	47	240	-0.15	-3.52	-0.62	-3.05	-1.16	623.78	404.23	413.62	614.39	44.42
6	47	241	2.20e-02	-0.83	-0.42	-0.39	0.43	531.54	61.21	389.75	203.00	-215.83
6	47	242	1.09	-1.90	1.00	-1.82	-0.50	734.51	591.73	702.19	624.05	-59.75
6	47	243	1.53e-02	-0.19	-0.18	1.10e-02	2.95e-02	309.16	2.86	309.11	2.91	4.10
6	47	244	0.31	-3.68	-0.34	-3.03	-1.47	587.83	357.33	508.45	436.72	109.53
6	47	245	0.85	-1.46	-0.18	-0.43	1.15	541.45	136.93	498.82	179.56	-124.21
6	47	246	-1.09	-2.70	-1.12	-2.67	-0.23	546.39	306.16	465.14	387.41	-113.66
6	47	247	0.31	-0.56	-0.24	-7.63e-03	0.42	373.56	158.70	361.46	170.80	49.52
6	47	248	1.09	-1.81	1.04	-1.77	0.36	730.51	359.40	700.36	389.55	101.39
6	47	249	5.37	-6.09	5.17	-5.90	-1.49	632.43	-49.20	629.14	-45.91	-47.24
6	47	250	0.31	-1.46	-0.54	-0.62	0.88	760.92	48.54	554.59	254.87	-323.13
6	47	251	2.48e-02	-0.13	-0.13	2.22e-02	1.97e-02	307.15	-25.26	302.30	-20.41	-39.87
6	47	252	1.15	-3.76	0.76	-3.37	-1.33	686.26	106.95	666.10	127.11	106.17
6	47	253	5.73	-9.27	5.32	-8.86	-2.45	478.77	-117.83	455.07	-94.13	-116.52
6	47	254	4.96e-02	-0.18	-0.15	2.33e-02	7.27e-02	340.62	-113.58	303.23	-76.19	-124.84
6	47	255	0.99	-1.65	6.88e-02	-0.73	1.25	674.20	-36.45	660.25	-22.50	-98.60
6	47	256	1.26	-1.86	0.90	-1.51	0.99	788.68	50.01	755.44	83.25	153.11
6	47	257	8.87e-02	-0.28	-0.24	4.97e-02	0.11	410.44	-199.84	389.62	-179.02	-110.76
6	47	258	-1.35	-2.21	-1.36	-2.20	-9.90e-02	647.36	21.01	607.16	61.21	-153.51
6	47	259	0.17	-0.36	-0.23	3.81e-02	0.23	422.46	-48.19	414.30	-40.03	61.42
6	47	260	0.86	-2.04	0.18	-1.37	1.23	722.07	144.71	585.45	281.33	-245.39
6	47	261	3.33	-4.11	3.27	-4.06	-0.62	748.33	-73.35	747.14	-72.16	31.21
6	47	262	1.14	-1.65	0.51	-1.02	1.17	787.90	-101.36	786.59	-100.04	34.15
6	47	263	1.31	-2.11	0.65	-1.45	-1.35	1006.70	496.04	789.55	713.19	-252.46
6	47	264	-0.26	-1.96	-0.39	-1.83	-0.45	735.81	-120.30	712.93	-97.42	-138.06
6	47	265	0.67	-1.83	0.49	-1.64	0.65	693.13	19.48	659.70	52.91	-146.29
6	47	266	8.05e-02	-0.29	-0.26	4.75e-02	0.11	451.45	-197.13	450.66	-196.33	-22.75
6	47	268	2.36	-2.75	0.29	-0.67	-2.51	1078.78	376.82	961.22	494.39	-262.12
6	47	270	5.56	-4.21	0.30	1.05	-4.87	393.64	172.33	319.14	246.83	-104.58
6	47	271	3.78	-2.95	0.92	-9.32e-02	-3.33	783.66	322.64	737.58	368.72	-138.28
6	47	272	0.64	-2.27	-0.63	-1.01	1.44	861.88	70.28	577.27	354.89	-379.86
6	47	273	1.54e-02	-7.60e-02	-7.33e-02	1.27e-02	1.55e-02	271.80	-43.12	240.25	-11.57	-94.55
6	47	274	1.38	-2.31	-0.13	-0.81	-1.81	1245.02	334.98	914.01	665.99	-437.79
6	47	275	-0.17	-0.53	-0.37	-0.33	0.18	110.53	49.83	97.91	62.44	-24.63
6	47	276	0.99	-1.20	-0.54	0.33	1.01	441.51	277.96	441.49	277.99	-1.97
6	47	277	0.67	-0.94	-0.54	0.27	0.69	399.87	267.06	399.55	267.38	-6.56
6	47	278	-0.55	-1.99	-1.19	-1.35	-0.72	537.64	348.09	348.13	537.60	-2.82
6	47	279	-6.06e-02	-2.12	-1.02	-1.16	-1.03	563.45	354.76	354.77	563.44	1.15
6	47	280	-1.70e-03	-0.35	-0.26	-9.76e-02	0.16	253.74	-64.41	231.88	-42.55	80.47
6	47	281	0.67	-2.11	-0.58	-0.87	-1.38	421.88	375.05	385.72	411.21	-19.64
6	47	282	-0.10	-1.09	-0.47	-0.72	0.48	388.03	-60.54	211.38	116.12	-219.17
6	47	283	1.32	-1.37	-0.38	0.33	1.30	540.85	185.30	540.24	185.91	14.73
6	47	284	2.25e-02	-0.27	-0.25	1.01e-04	7.78e-02	351.70	-71.95	349.12	-69.37	32.94
6	47	285	-0.80	-1.85	-1.31	-1.35	-0.52	369.45	340.30	368.31	341.45	5.66
6	47	286	0.40	-0.67	-0.47	0.20	0.41	411.95	152.34	411.77	152.52	-6.80
6	47	287	2.10	-1.22	1.95	-1.07	0.70	791.09	276.73	786.75	281.07	47.04
6	47	288	3.72	-2.76	2.90	-1.95	-2.15	524.52	-114.36	522.62	-112.46	34.76
6	47	289	1.96	-1.36	0.63	-3.34e-02	1.63	773.35	-3.00	764.21	6.14	83.72
6	47	290	2.23	-1.40	2.18	-1.35	-0.42	809.14	440.01	801.94	447.21	-51.06
6	47	291	1.95	-2.13	0.84	-1.02	-1.81	471.67	90.31	468.68	93.30	-33.64
6	47	292	0.11	-0.35	-0.31	7.18e-02	0.13	469.97	-116.24	469.30	-115.57	-19.77
6	47	293	-0.76	-1.39	-0.84	-1.30	-0.21	578.72	-217.58	562.52	-201.38	-112.40
6	47	294	1.65	-1.42	-3.41e-03	0.24	1.53	671.92	51.64	668.09	55.47	48.59
6	47	295	5.02	-4.01	3.99	-2.98	-2.87	446.24	-102.73	425.31	-81.81	105.12
6	47	296	-0.80	-1.72	-1.29	-1.23	-0.46	459.04	-1.55	459.00	-1.51	4.42
6	47	297	2.08	-1.30	1.35	-0.57	1.39	805.24	86.31	793.74	97.82	90.22
6	47	298	0.21	-0.46	-0.38	0.13	0.22	451.49	-6.08	451.31	-5.90	-9.20
6	47	299	-0.22	-1.39	-0.34	-1.27	0.35	613.11	-169.63	529.82	-86.35	-241.37
6	47	300	7.44e-02	-0.29	-0.26	4.62e-02	9.73e-02	434.33	-128.82	432.12	-126.61	-35.20
6	47	301	4.74	-1.49	4.15	-0.90	-1.83	676.74	322.56	657.89	341.41	-79.50
6	47	302	8.45	-0.71	6.94	0.80	-3.40	248.58	168.12	233.57	183.13	-31.34
6	47	303	4.99e-02	-0.22	-0.21	3.26e-02	6.64e-02	368.33	-76.59	364.84	-73.10	-39.25
6	47	304	0.24	-1.55	-0.24	-1.08	0.79	670.22	-13.94	502.25	154.03	-294.46
6	47	305	3.83	-5.14	2.06	-3.38	-3.57	261.25	-51.86	240.97	-31.57	77.07
6	47	306	2.57	-2.00	1.72	-1.15	-1.77	928.12	450.43	862.52	516.03	-164.42
6	47	307	1.22	-1.23	-0.85	0.84	0.89	409.56	280.65	376.05	314.16	56.54

6	47	308	0.46	-1.51	-1.29	0.25	-0.61	549.71	207.40	207.43	549.68	3.42
6	47	309	0.80	-1.04	-0.85	0.62	0.56	350.83	293.79	349.05	295.57	-9.91
6	47	310	1.97e-02	-1.54	-1.37	-0.16	-0.49	517.86	211.79	211.84	517.81	4.16
6	47	311	4.89	-1.28	2.57	1.04	-2.99	144.37	-419.02	144.35	-418.99	-3.84
6	47	312	3.00	-1.13	0.58	1.29	2.04	644.22	-74.82	615.91	-46.52	139.82
6	47	313	1.20	-1.34	-1.01	0.87	-0.85	436.10	116.43	117.91	434.63	-21.66
6	47	314	-0.39	-0.47	-0.47	-0.40	-1.24e-02	-98.70	-210.02	-209.56	-99.15	7.09
6	47	315	-0.61	-1.28	-1.20	-0.68	-0.21	243.51	-627.88	234.55	-618.93	-87.88
6	47	316	1.71	-1.32	-0.70	1.09	1.23	500.29	155.64	440.13	215.80	130.82
6	47	317	-2.25e-02	-0.35	-0.18	-0.18	0.16	288.21	-329.32	262.39	-303.50	123.61
6	47	318	6.60e-02	-0.35	-0.34	5.60e-02	6.39e-02	433.48	-152.66	432.39	-151.56	-25.28
6	47	319	5.30	-0.11	3.03	2.16	-2.67	153.50	-388.17	-39.28	-195.39	259.34
6	47	320	-0.21	-1.60	-1.38	-0.43	-0.51	345.92	138.90	140.30	344.52	17.00
6	47	321	0.47	-0.78	-0.71	0.40	0.27	378.74	147.62	360.58	165.78	-62.19
6	47	322	3.49	-0.75	2.95	-0.21	1.42	680.51	169.38	679.35	170.53	24.27
6	47	323	2.83	-1.19	-0.20	1.84	-1.73	105.22	-177.09	-58.48	-13.38	-139.34
6	47	324	-0.34	-1.57	-1.31	-0.59	-0.50	58.53	-197.60	-56.43	-82.65	127.39
6	47	325	0.22	-0.51	-0.50	0.21	8.84e-02	414.02	-36.73	401.47	-24.18	-74.17
6	47	326	3.22	-0.93	1.73	0.56	1.99	673.65	21.77	666.12	29.30	69.65
6	47	327	2.30	-1.30	-0.26	1.27	1.63	588.92	-7.06	537.25	44.60	167.69
6	47	328	6.60	-1.37	4.62	0.61	-3.45	154.49	-212.43	-13.45	-44.49	182.80
6	47	329	9.41	-0.63	9.04	-0.27	1.87	94.83	37.06	53.24	78.65	25.95
6	47	330	1.93e-02	-0.31	-0.28	-8.98e-03	9.20e-02	403.50	-149.57	402.54	-148.61	22.97
6	47	331	-0.44	-1.15	-0.74	-0.86	0.35	139.02	-499.85	-74.07	-286.77	-301.21
6	47	332	3.81	-0.84	3.80	-0.83	0.15	688.97	290.82	686.45	293.34	-31.57
6	47	333	8.13	-0.64	4.49	3.00	4.32	17.32	-87.70	-62.30	-8.08	44.97
6	47	334	0.83	-1.19	-1.15	0.79	0.28	377.43	230.93	233.04	375.32	-17.45
6	47	335	1.03	-1.35	-1.35	1.03	-2.30e-02	512.96	134.33	140.96	506.33	49.66
6	47	336	1.29	-1.29	-1.17	1.17	0.55	437.13	202.47	235.67	403.93	81.78
6	47	337	0.58	-1.35	-1.35	0.57	-0.10	470.93	152.99	153.33	470.59	-10.35
6	47	338	1.74	-1.20	-1.20	1.74	3.83e-02	441.20	-16.58	14.24	410.38	114.71
6	47	339	1.90	-1.27	-1.05	1.68	0.81	452.89	45.65	206.31	292.24	199.03
6	47	340	0.51	-0.94	-0.94	0.51	-2.57e-03	328.71	103.02	214.28	217.45	-112.83
6	47	341	0.27	-1.19	-1.16	0.24	-0.22	334.20	44.58	62.37	316.41	-69.54
6	47	342	-6.14e-03	-0.94	-0.91	-3.90e-02	-0.17	106.04	-205.93	-164.14	64.25	-106.25
6	47	343	0.24	-0.62	-0.57	0.20	-0.20	321.14	-202.20	224.73	-105.80	-202.88
6	47	344	2.72	-0.82	-0.82	2.72	9.17e-02	250.89	-400.01	-340.39	191.27	187.75
6	47	345	2.78	-1.41	-1.15	2.53	0.99	381.47	-289.58	173.77	-81.89	310.22
6	47	346	-5.33e-02	-0.34	-0.34	-5.57e-02	-2.63e-02	289.94	-321.31	285.89	-317.27	-49.57
6	47	347	4.66	-0.73	1.96	1.98	2.69	376.21	-86.58	371.64	-82.00	45.77
6	47	348	5.76	-0.44	5.62	-0.30	0.93	446.33	184.03	446.14	184.22	-7.05
6	47	349	5.99	-0.65	1.29	4.05	3.02	-103.06	-206.73	-110.32	-199.48	-26.44
6	47	350	4.68	-1.21	0.29	3.18	2.57	300.61	-346.25	256.29	-301.93	163.41
6	47	351	5.27	-0.42	3.89	0.96	2.44	408.03	73.23	407.15	74.11	17.16
6	52	99	1.91	-0.81	-0.81	1.90	9.30e-02	220.10	-121.30	214.94	-116.15	41.64
6	52	100	4.23	-14.76	3.75	-14.29	2.95	-106.32	-1364.24	-1242.35	-228.21	372.12
6	52	101	9.58	-9.46	-9.29	9.41	-1.79	-558.54	-1418.97	-615.83	-1361.69	-214.50
6	52	102	22.64	9.32	22.62	9.33	-0.48	-77.54	-496.28	-486.15	-87.67	64.35
6	52	103	8.12	-10.99	2.58	-5.45	-8.68	1021.94	-1690.41	827.78	-1496.25	-699.23
6	52	104	8.67	-1.12	-1.10	8.65	-0.39	-1092.11	-1352.87	-1268.17	-1176.80	122.11
6	52	105	0.79	-5.64	-1.35	-3.50	3.03	-899.25	-1166.51	-899.32	-1166.43	4.58
6	52	106	-0.33	-1.10	-1.04	-0.39	-0.20	-1282.47	-1563.74	-1296.35	-1549.86	-60.92
6	52	107	1.69	-20.07	-4.50	-13.87	9.82	-1167.66	-5917.24	-4316.76	-2768.14	2245.01
6	52	108	2.19	-2.68	2.19	-2.68	0.11	-12.38	-901.51	-457.31	-456.58	-444.57
6	52	109	0.72	-3.56	0.69	-3.53	0.35	181.57	-1837.37	175.18	-1830.98	113.42
6	52	110	0.40	-0.15	-0.10	0.35	0.15	151.14	-1427.63	150.08	-1426.56	40.93
6	52	111	-10.49	-25.79	-10.49	-25.79	0.24	408.99	-422.50	383.66	-397.17	-142.89
6	52	112	23.64	15.07	23.64	15.07	-6.52e-02	-26.28	-349.91	-188.89	-187.30	-161.81
6	52	113	-3.61	-20.64	-20.22	-4.03	2.63	696.61	-437.59	-415.79	674.81	-155.74
6	52	115	-8.99	-18.53	-18.39	-9.13	1.14	384.73	-195.50	-41.66	230.89	-256.12
6	52	117	7.41	-7.40	1.44	-1.43	-7.26	186.66	-185.09	22.59	-21.01	-184.59
6	52	119	6.85	1.12	4.68	3.28	-2.78	-13.08	-456.53	-445.03	-24.58	-70.49
6	52	121	8.86	2.84	3.55	8.15	-1.93	-7.02	-383.72	-382.51	-8.24	-21.33
6	52	123	1.25	-0.90	-0.19	0.54	-1.01	121.92	-129.51	-25.53	17.95	-123.82
6	52	125	-5.19	-12.22	-5.37	-12.03	1.13	273.46	-17.40	221.14	34.92	-111.72
6	52	127	2.06	0.23	0.23	2.05	9.15e-02	-3.57	-360.97	-3.59	-360.95	-2.98
6	52	129	6.67	-0.76	6.13	-0.21	1.94	9.47	-160.97	0.53	-152.04	37.98
6	52	131	6.27	3.51	3.56	6.22	-0.35	-79.06	-489.50	-472.36	-96.20	82.10
6	52	133	6.33	0.16	0.28	6.22	-0.84	-199.46	-674.62	-656.43	-217.66	91.18
6	52	134	6.93e-02	-0.11	-0.10	6.19e-02	-3.59e-02	0.58	-3.68	-1.68	-1.42	-2.13
6	52	135	2.17	-2.51	-0.77	0.43	-2.26	1489.81	-297.92	731.97	459.92	-883.45
6	52	136	1.11	-0.58	-0.39	0.91	-0.55	858.59	-140.80	701.29	16.50	-363.95
6	52	137	9.34e-02	-0.33	-0.30	6.11e-02	-0.11	773.55	-89.59	700.95	-16.99	-239.56
6	52	138	3.42e-02	-0.19	-0.14	-7.98e-03	-8.69e-02	618.49	-49.73	580.29	-11.52	-155.14
6	52	139	3.39e-02	-0.16	-0.11	-1.46e-02	-8.49e-02	463.64	-23.64	445.96	-5.96	-91.11
6	52	140	2.53e-02	-0.19	-0.15	-1.39e-02	-8.38e-02	360.90	-8.46	354.20	-1.75	-49.30
6	52	141	1.99e-02	-0.23	-0.20	-1.01e-02	-8.18e-02	305.79	-2.44	302.82	0.52	-30.08

6	52	142	2.10e-02	-0.25	-0.22	-4.64e-03	-7.91e-02	265.49	-1.80	262.59	1.10	-27.70
6	52	143	2.58e-02	-0.23	-0.21	4.60e-04	-7.68e-02	210.75	-4.18	206.19	0.38	-30.97
6	52	144	2.76e-02	-0.19	-0.15	-6.32e-03	-7.87e-02	121.71	-8.05	115.27	-1.61	-28.18
6	52	145	6.88e-02	-6.47e-02	-6.06e-02	6.47e-02	2.30e-02	96.19	-31.04	-8.59	73.75	-48.49
6	52	146	0.15	-5.78e-02	-5.70e-02	0.15	1.26e-02	147.50	-71.12	-12.91	89.28	-96.63
6	52	147	0.25	-4.40e-02	-4.33e-02	0.25	1.47e-02	163.89	-159.95	-17.18	21.12	-160.78
6	52	148	0.27	-5.42e-02	-5.42e-02	0.27	-2.28e-03	175.66	-386.26	-40.36	-170.25	-273.35
6	52	149	0.41	0.11	0.11	0.41	2.14e-02	197.25	-254.60	-50.02	-7.34	224.91
6	52	150	4.57e-02	-4.54e-02	-4.35e-02	4.38e-02	1.30e-02	332.53	-53.62	-19.73	298.64	109.27
6	52	151	-7.95e-03	-0.44	-1.11e-02	-0.43	3.63e-02	449.81	-19.59	-19.08	449.31	15.42
6	52	152	-2.54e-03	-1.14	-4.28e-03	-1.13	4.44e-02	481.10	-32.32	-20.46	469.24	-77.13
6	52	153	6.35e-02	-2.00	6.31e-02	-2.00	-2.65e-02	423.15	-101.34	-22.74	344.54	-187.21
6	52	154	-0.53	-3.17	-0.54	-3.16	0.13	367.74	-377.22	-52.13	42.65	-369.45
6	52	155	7.31e-03	-4.43	4.19e-03	-4.43	-0.12	411.43	-296.54	-61.55	176.44	333.38
6	52	156	-8.64e-02	-5.09	-8.71e-02	-5.09	5.74e-02	683.27	-62.47	-29.29	650.09	153.76
6	52	157	-4.51e-02	-4.81	-4.52e-02	-4.81	-2.61e-02	943.13	-30.93	-30.92	943.12	-2.57
6	52	158	-1.59e-02	-3.75	-1.67e-02	-3.75	-5.46e-02	1126.87	-58.98	-33.25	1101.14	-172.77
6	52	159	-3.82e-02	-2.40	-3.83e-02	-2.40	-1.45e-02	1231.25	-142.57	-27.13	1115.81	-381.14
6	52	160	-0.27	-2.06	-0.40	-1.93	0.48	1468.37	-379.05	48.51	1040.81	-779.15
6	52	161	1.69	0.72	1.45	0.95	-0.42	1479.82	-319.45	1127.67	32.70	-713.86
6	52	162	8.10e-02	-1.23	-1.21	5.94e-02	-0.17	1337.07	-128.93	1232.34	-24.19	-377.59
6	52	163	-5.87e-02	-4.35	-4.34	-7.13e-02	-0.23	1205.64	-59.84	1175.91	-30.11	-191.70
6	52	164	-0.43	-7.83	-7.83	-0.43	4.47e-02	906.27	-22.71	903.49	-19.93	-50.82
6	52	165	5.95	-6.15	-5.72	5.52	2.24	361.18	-1.71	353.57	5.90	52.00
6	52	166	18.69	3.92	18.32	4.29	-2.29	527.46	-313.95	203.83	9.68	-409.35
6	52	167	3.87	-8.20	-4.50	0.18	-5.56	287.09	-185.95	99.16	1.98	-231.48
6	52	168	-1.48	-33.02	-32.96	-1.54	-1.39	153.29	-106.09	-33.03	80.22	-116.67
6	52	169	2.63	-12.50	-11.27	1.40	4.13	103.70	-42.85	95.76	-34.91	-33.18
6	52	170	0.34	-4.84	0.16	-4.67	0.93	183.19	-77.76	-58.24	163.67	-68.66
6	52	171	0.10	-1.95	-0.56	-1.29	-0.96	319.47	-108.46	-10.39	221.40	-179.86
6	52	172	14.51	4.28	4.55	14.24	-1.64	417.12	-221.92	86.65	108.55	-319.33
6	52	173	7.06	0.84	1.65	6.24	2.10	150.22	-24.11	69.10	57.01	86.95
6	52	174	4.43	1.44	3.42	2.44	1.42	47.41	-225.97	-211.32	32.76	-61.56
6	52	175	-3.21	-13.01	-3.21	-13.01	-0.11	583.01	-488.77	-148.24	242.48	499.01
6	52	176	0.49	-8.92	0.48	-8.91	0.36	660.94	-107.72	-39.18	592.40	219.06
6	52	177	7.32e-02	-7.08	7.32e-02	-7.08	2.77e-03	784.76	-36.07	-26.02	774.71	90.25
6	52	178	0.10	-5.69	0.10	-5.69	2.44e-03	774.50	-21.75	-21.26	774.00	-19.85
6	52	179	0.58	-4.80	0.57	-4.80	-0.21	651.79	-34.70	-4.66	621.75	-140.43
6	52	180	-1.60	-5.79	-1.62	-5.78	-0.24	606.03	-114.30	143.38	348.36	-345.27
6	52	181	0.71	-0.50	0.69	-0.49	0.12	408.69	101.83	132.15	378.37	91.56
6	52	182	0.22	-1.55	0.22	-1.54	4.71e-02	672.25	-24.84	-9.16	656.57	-103.38
6	52	183	1.41	-2.44	1.38	-2.41	-0.35	828.52	-64.31	39.30	724.91	-285.96
6	52	184	-4.28	-7.77	-4.30	-7.75	-0.27	1492.03	-9.80	734.20	748.03	-750.88
6	52	185	0.24	-2.31	-3.62e-02	-2.03	0.79	666.36	118.87	285.75	499.48	-252.02
6	52	186	-0.36	-4.44	-0.36	-4.44	-3.99e-02	588.42	146.25	231.75	502.91	-174.63
6	52	187	-6.87e-02	-4.88	-0.19	-4.76	-0.75	670.86	212.83	213.57	670.13	-18.34
6	52	188	8.68e-02	-5.77	-0.20	-5.49	-1.26	708.07	188.95	227.66	669.35	136.38
6	52	189	0.32	-7.23	-0.26	-6.65	-2.01	691.88	68.28	288.09	472.07	297.92
6	52	190	8.79	-6.29	2.19	0.30	-7.48	465.93	-242.35	105.67	117.91	-354.08
6	52	191	0.55	-2.80	0.19	-2.44	-1.04	1050.02	270.17	408.26	911.93	-297.70
6	52	192	0.40	-3.08	0.32	-3.00	-0.52	790.27	354.71	357.37	787.61	-33.95
6	52	193	0.40	-3.14	0.39	-3.13	0.11	649.93	217.08	359.73	507.28	203.46
6	52	194	0.40	-1.81	-5.39e-02	-1.35	0.90	511.02	-1.54	264.18	245.30	-256.11
6	52	195	0.34	-1.22	-0.11	-0.78	0.70	442.04	152.36	212.38	382.03	-117.40
6	52	196	0.30	-0.78	-0.13	-0.35	0.53	368.13	194.90	196.07	366.96	14.22
6	52	197	0.30	-0.46	-0.12	-3.39e-02	0.38	351.79	74.67	210.73	215.73	138.53
6	52	198	0.16	-0.13	-0.13	0.15	-3.24e-02	330.12	-197.34	174.22	-41.44	-240.67
6	52	199	4.70e-02	-0.32	-0.28	9.47e-03	-0.11	284.45	-6.80	274.88	2.77	-51.92
6	52	200	4.30e-02	-0.39	-0.34	-7.03e-03	-0.14	304.10	18.25	297.40	24.94	-43.23
6	52	201	1.76e-02	-0.44	-0.39	-3.42e-02	-0.15	337.57	46.87	316.93	67.51	-74.66
6	52	202	-4.56e-02	-0.49	-0.46	-7.21e-02	-0.10	452.52	38.51	376.26	114.77	-160.49
6	52	203	-0.11	-0.60	-0.60	-0.11	5.00e-03	655.60	-11.11	492.76	151.74	-286.45
6	52	204	-0.11	-0.97	-0.92	-0.16	0.21	870.68	-79.72	608.31	182.65	-424.87
6	52	205	2.68	-7.80	1.78	-6.90	2.95	339.67	-202.56	331.34	-194.23	-66.71
6	52	206	1.43	-6.26	-2.38	-2.44	-3.84	530.01	-411.87	166.29	-48.15	-458.57
6	52	207	2.44	-7.35	-6.25	1.34	3.09	544.08	-488.44	510.59	-454.94	-182.92
6	52	208	7.49	-6.65	6.54	-5.70	3.54	255.75	-74.53	157.98	23.24	-150.77
6	52	209	-0.51	-7.02	-1.33	-6.20	-2.16	703.97	-316.77	489.85	-102.65	415.59
6	52	210	4.89	-4.68	4.87	-4.66	-0.43	619.92	-152.72	494.73	-27.53	-284.71
6	52	211	0.36	-2.14	-5.23e-03	-1.77	0.88	603.35	-355.48	417.40	-169.53	-379.09
6	52	212	2.33e-03	-2.08	-1.73	-0.34	0.78	992.87	-200.14	583.01	209.72	-566.55
6	52	213	0.21	-3.69	-0.84	-2.64	1.73	891.42	-83.75	250.61	557.07	-462.88
6	52	214	0.12	-0.13	-0.12	0.10	-5.49e-02	251.61	-78.83	134.42	38.35	-158.08
6	52	215	4.74e-02	-0.23	-0.20	2.23e-02	-7.93e-02	243.40	-18.36	219.45	5.59	-75.47
6	52	216	0.51	-2.91	0.37	-2.77	0.67	690.47	-236.37	466.79	-12.69	396.59
6	52	217	-1.14	-3.68	-1.24	-3.58	0.50	520.76	-150.26	269.35	101.14	-324.80
6	52	218	0.26	-0.23	-8.66e-02	0.12	0.22	411.49	-247.72	297.71	-133.94	249.12

6	52	219	0.41	-2.19	0.31	-2.09	0.48	307.61	141.15	294.70	154.06	-44.52
6	52	220	0.18	-0.16	-0.15	0.18	2.98e-02	419.19	-440.17	280.78	-301.76	-315.90
6	52	221	2.09	-4.53	-3.39	0.96	-2.49	818.74	196.47	782.48	232.72	-145.76
6	52	222	0.47	-2.22	-0.11	-1.64	-1.11	1312.64	49.63	473.51	888.76	-596.40
6	52	223	1.48	-3.69	-2.08	-0.13	-2.39	1163.23	154.64	1037.98	279.89	-332.63
6	52	224	2.32	-5.97	1.84	-5.48	1.95	733.88	-359.95	725.85	-351.92	93.39
6	52	225	0.45	-2.61	0.25	-2.42	0.75	737.18	-472.09	737.09	-472.00	10.41
6	52	226	-0.47	-2.86	-0.75	-2.58	-0.76	612.75	-231.41	569.61	-188.27	-185.89
6	52	227	0.21	-0.14	-0.13	0.21	4.64e-02	493.78	-477.99	493.04	-477.25	-26.91
6	52	228	1.28	-2.52	-0.96	-0.27	-1.86	1376.77	25.33	1027.81	374.29	-591.46
6	52	231	0.11	-4.48	-3.16	-1.20	2.08	732.24	-538.88	27.28	166.08	-631.76
6	52	232	5.07e-02	-0.11	-0.10	4.06e-02	-3.94e-02	176.73	-25.02	115.73	35.98	-92.66
6	52	233	0.47	-1.32	-0.62	-0.23	-0.88	1604.02	-403.01	656.96	544.05	-1001.93
6	52	234	4.92	-8.09	-7.45	4.28	-2.81	267.79	216.15	267.79	216.15	-8.02e-02
6	52	235	-1.15e-02	-0.67	-0.60	-8.02e-02	-0.20	252.53	73.39	251.26	74.66	-15.05
6	52	236	-0.18	-0.70	-0.67	-0.21	-0.13	323.26	76.43	243.92	155.77	-115.28
6	52	237	0.60	-1.03	-0.39	-3.32e-02	0.79	350.86	283.16	350.83	283.19	1.40
6	52	238	-0.35	-3.50	-0.74	-3.10	-1.05	556.54	334.14	334.26	556.43	5.06
6	52	239	0.78	-1.35	-0.37	-0.20	1.06	413.09	264.28	381.30	296.07	-60.99
6	52	240	7.62e-02	-4.12	-0.75	-3.29	-1.67	584.50	330.18	353.64	561.04	73.60
6	52	241	-0.37	-0.77	-0.76	-0.39	6.55e-02	551.94	11.53	350.17	213.30	-261.40
6	52	242	1.37	-2.17	1.22	-2.01	-0.73	675.07	557.75	653.15	579.66	-45.72
6	52	243	6.33e-02	-0.56	-0.50	4.03e-03	-0.18	301.48	10.20	301.42	10.26	-4.22
6	52	244	0.44	-4.53	-0.76	-3.33	-2.13	542.98	286.00	442.02	386.96	125.51
6	52	245	0.97	-1.64	-0.25	-0.42	1.30	513.64	147.10	475.63	185.11	-111.75
6	52	246	-0.79	-2.90	-0.90	-2.79	-0.47	452.45	313.29	378.48	387.26	-69.44
6	52	247	0.44	-0.74	-0.38	7.20e-02	0.54	388.81	141.33	375.73	154.40	55.36
6	52	248	1.24	-1.98	1.21	-1.95	0.29	688.72	328.41	655.97	361.17	103.58
6	52	249	5.68	-7.05	5.33	-6.70	-2.09	555.74	-60.72	553.71	-58.70	-35.27
6	52	250	-0.29	-1.26	-0.94	-0.61	0.46	773.43	-6.20	499.66	267.58	-372.15
6	52	251	8.35e-02	-0.42	-0.37	4.22e-02	-0.14	317.56	-22.48	311.38	-16.30	-45.42
6	52	252	0.89	-4.49	3.07e-02	-3.63	-1.97	610.45	68.62	587.00	92.06	110.23
6	52	253	6.35	-10.95	5.77	-10.37	-3.11	438.54	-150.49	419.91	-131.85	-103.11
6	52	254	0.12	-0.30	-0.29	0.11	-5.73e-02	367.43	-115.44	327.81	-75.82	-132.52
6	52	255	1.12	-1.84	4.31e-02	-0.75	1.43	636.28	-16.89	623.63	-4.25	-89.99
6	52	256	1.36	-2.02	0.99	-1.64	1.06	744.11	45.78	711.26	78.63	147.85
6	52	257	0.15	-0.34	-0.34	0.14	2.18e-02	443.04	-201.49	420.87	-179.32	-117.47
6	52	258	-1.07	-2.41	-1.09	-2.38	-0.18	530.13	66.72	490.72	106.12	-129.26
6	52	259	0.29	-0.51	-0.35	0.13	0.32	449.46	-61.55	442.39	-54.48	59.68
6	52	260	-3.06e-02	-2.06	-0.40	-1.69	0.79	710.88	94.76	497.48	308.16	-293.16
6	52	261	2.97	-4.63	2.85	-4.50	-0.98	658.72	-83.52	656.99	-81.80	35.78
6	52	262	1.29	-1.83	0.53	-1.08	1.34	742.48	-85.42	741.06	-84.00	34.24
6	52	263	1.70	-2.49	0.82	-1.61	-1.70	925.50	468.07	729.64	663.92	-226.34
6	52	264	-0.60	-2.14	-0.66	-2.08	-0.30	617.25	-66.64	584.41	-33.80	-146.21
6	52	265	-0.16	-1.98	-0.21	-1.93	0.29	614.81	30.32	551.56	93.56	-181.56
6	52	266	0.18	-0.37	-0.35	0.15	0.12	486.25	-206.64	485.10	-205.49	-28.24
6	52	268	2.75	-3.11	0.26	-0.62	-2.90	993.30	347.91	883.58	457.63	-242.43
6	52	270	6.26	-4.71	-0.30	1.86	-5.38	351.02	137.50	270.47	218.05	-103.49
6	52	271	4.39	-3.22	0.79	0.37	-3.80	715.74	291.06	670.69	336.11	-130.78
6	52	272	-2.73e-02	-2.23	-1.15	-1.11	1.10	872.77	-1.98	497.86	372.93	-432.90
6	52	273	9.27e-02	-0.27	-0.24	6.64e-02	-9.37e-02	292.46	-43.34	257.58	-8.45	-102.46
6	52	274	1.67	-2.72	-0.10	-0.95	-2.15	1147.27	315.31	840.08	622.49	-401.50
6	52	275	-0.31	-0.90	-0.82	-0.39	-0.20	114.88	-8.04	38.62	68.22	-59.65
6	52	276	1.14	-1.40	-0.70	0.44	1.14	422.78	273.00	422.77	273.01	-1.00
6	52	277	0.80	-1.17	-0.72	0.36	0.82	389.87	256.80	389.50	257.17	-7.04
6	52	278	-0.29	-2.37	-1.24	-1.42	-1.03	508.53	288.45	291.65	505.33	26.37
6	52	279	0.26	-2.73	-1.24	-1.23	-1.49	524.64	300.17	303.70	521.11	27.92
6	52	280	-1.94e-02	-0.90	-0.83	-9.26e-02	-0.24	199.94	-60.22	180.21	-40.49	68.88
6	52	281	0.96	-2.85	-1.00	-0.90	-1.91	374.95	337.26	337.59	374.63	3.50
6	52	282	-0.70	-0.71	-0.70	-0.71	-3.30e-03	412.62	-120.87	173.60	118.15	-265.30
6	52	283	1.51	-1.55	-0.51	0.47	1.45	511.70	188.53	511.02	189.21	14.81
6	52	284	7.16e-02	-0.69	-0.66	3.65e-02	-0.16	337.10	-74.95	334.79	-72.63	30.81
6	52	285	-0.68	-1.97	-1.22	-1.43	-0.63	351.80	288.54	306.77	333.58	28.65
6	52	286	0.52	-0.93	-0.69	0.28	0.54	409.96	138.51	409.47	139.00	-11.52
6	52	287	2.43	-1.18	2.30	-1.04	0.69	738.79	256.44	733.56	261.67	49.96
6	52	288	3.70	-3.16	2.38	-1.84	-2.70	469.41	-112.63	467.14	-110.37	36.21
6	52	289	2.24	-1.43	0.67	0.13	1.81	724.74	7.03	715.61	16.16	80.42
6	52	290	2.70	-1.48	2.60	-1.38	-0.64	749.17	409.12	744.07	414.22	-41.33
6	52	291	2.01	-2.73	0.24	-0.95	-2.29	418.02	78.40	417.11	79.32	-17.58
6	52	292	0.19	-0.62	-0.60	0.17	0.13	480.57	-129.53	479.45	-128.41	-26.14
6	52	293	-0.78	-1.48	-0.82	-1.44	-0.16	506.56	-176.51	486.13	-156.08	-116.36
6	52	294	1.89	-1.56	-7.40e-02	0.40	1.71	631.34	62.73	627.52	66.55	46.49
6	52	295	5.50	-4.63	3.89	-3.01	-3.71	399.55	-105.62	381.61	-87.68	93.50
6	52	296	-0.87	-1.60	-1.12	-1.35	-0.34	388.95	28.97	388.64	29.28	10.58
6	52	297	2.36	-1.29	1.55	-0.47	1.52	754.16	83.70	742.28	95.58	88.47
6	52	298	0.32	-0.74	-0.64	0.22	0.31	457.01	-21.75	456.38	-21.12	-17.44
6	52	299	-0.60	-1.46	-0.62	-1.44	0.13	572.15	-161.05	467.49	-56.38	-256.49

6	52	300	0.13	-0.55	-0.55	0.13	-1.07e-02	446.23	-136.88	443.69	-134.35	-38.38
6	52	301	5.61	-1.38	4.77	-0.54	-2.27	618.96	293.33	601.21	311.08	-73.92
6	52	302	9.87	-5.06e-02	7.75	2.08	-4.07	218.68	137.67	196.52	159.83	-36.12
6	52	303	0.10	-0.49	-0.47	8.72e-02	-0.10	378.44	-78.05	374.55	-74.16	-41.96
6	52	304	-0.45	-1.33	-0.66	-1.12	0.37	665.73	-51.53	445.23	168.97	-330.96
6	52	305	4.66	-6.09	2.11	-3.54	-4.57	230.39	-63.52	218.38	-51.51	58.19
6	52	306	3.11	-2.24	2.01	-1.14	-2.16	854.50	418.57	795.61	477.46	-149.01
6	52	307	1.38	-1.43	-1.07	1.01	0.95	386.30	273.80	353.28	306.82	51.23
6	52	308	0.74	-1.97	-1.56	0.32	-0.97	516.14	172.93	174.51	514.57	23.17
6	52	309	0.92	-1.28	-1.08	0.72	0.63	331.33	281.41	326.92	285.82	-14.18
6	52	310	0.20	-1.85	-1.53	-0.11	-0.74	491.46	168.87	171.20	489.13	27.32
6	52	311	4.98	-1.55	1.80	1.63	-3.26	130.57	-378.14	130.57	-378.14	-0.60
6	52	312	3.42	-1.10	0.61	1.72	2.19	600.70	-58.93	572.94	-31.17	132.43
6	52	313	1.53	-1.91	-1.37	1.00	-1.24	404.83	100.02	100.09	404.77	-4.33
6	52	314	-0.41	-1.01	-0.89	-0.53	-0.24	-113.45	-322.44	-322.44	-113.45	-0.34
6	52	315	-0.64	-1.10	-0.94	-0.80	-0.22	216.79	-564.95	205.56	-553.72	-93.02
6	52	316	1.94	-1.49	-0.90	1.35	1.30	470.40	158.73	412.67	216.46	121.08
6	52	317	-9.10e-03	-1.03	-0.99	-4.63e-02	-0.19	186.31	-372.82	160.97	-347.48	116.31
6	52	318	0.15	-0.88	-0.88	0.15	6.81e-02	419.71	-176.94	417.87	-175.11	-33.03
6	52	319	6.22	-0.58	2.71	2.93	-3.40	134.22	-351.08	-34.12	-182.74	230.99
6	52	320	-0.13	-1.67	-1.44	-0.36	-0.54	336.82	96.75	104.66	328.91	42.85
6	52	321	0.55	-1.08	-1.00	0.46	0.37	360.50	129.95	336.27	154.18	-70.71
6	52	322	4.04	-0.46	3.47	0.11	1.50	631.79	157.04	630.23	158.60	27.17
6	52	323	3.05	-1.74	-0.67	1.97	-2.00	88.95	-149.69	-54.23	-6.50	-116.91
6	52	324	-0.36	-1.36	-1.26	-0.45	-0.30	107.29	-196.61	-36.32	-53.00	151.72
6	52	325	0.31	-0.94	-0.91	0.28	0.19	394.08	-62.09	376.85	-44.86	-86.97
6	52	326	3.70	-0.74	2.00	0.96	2.16	627.59	24.89	619.53	32.94	69.21
6	52	327	2.62	-1.40	-0.40	1.62	1.74	551.03	7.60	501.60	57.02	156.25
6	52	328	7.94	-0.88	5.12	1.94	-4.11	121.43	-190.77	-14.62	-54.71	154.81
6	52	329	10.98	0.46	10.58	0.86	2.03	72.24	23.32	35.44	60.12	21.12
6	52	330	0.11	-0.80	-0.79	0.10	-8.94e-02	386.38	-169.63	385.74	-168.99	18.86
6	52	331	-0.72	-1.03	-0.72	-1.03	-1.79e-02	186.74	-533.06	-55.49	-290.82	-340.12
6	52	332	4.49	-0.59	4.49	-0.59	1.77e-02	635.39	267.18	633.52	269.04	-26.15
6	52	333	9.31	0.49	5.00	4.79	4.41	8.42	-92.15	-68.65	-15.08	42.56
6	52	334	0.91	-1.41	-1.39	0.89	0.24	364.72	200.00	201.47	363.24	-15.50
6	52	335	1.22	-1.65	-1.63	1.20	-0.26	489.24	109.85	118.67	480.43	57.16
6	52	336	1.44	-1.50	-1.42	1.36	0.47	419.18	183.87	213.49	389.55	78.05
6	52	337	0.70	-1.61	-1.57	0.67	-0.27	450.52	118.50	118.54	450.47	3.94
6	52	338	2.02	-1.53	-1.52	2.00	-0.22	420.61	-20.71	10.69	389.21	113.46
6	52	339	2.15	-1.48	-1.32	2.00	0.73	429.83	47.23	191.53	285.53	185.44
6	52	340	0.53	-1.26	-1.26	0.53	4.77e-02	301.75	74.95	165.00	211.69	-110.97
6	52	341	0.35	-1.45	-1.39	0.29	-0.31	316.32	5.08	13.61	307.79	-50.82
6	52	342	8.92e-02	-1.32	-1.23	-5.73e-03	-0.35	89.98	-286.12	-246.19	50.05	-115.86
6	52	343	0.21	-1.09	-1.08	0.21	-7.12e-02	247.36	-242.45	123.96	-119.05	-212.64
6	52	344	3.11	-1.14	-1.12	3.10	-0.21	242.11	-364.59	-308.09	185.61	176.33
6	52	345	3.19	-1.52	-1.31	2.98	0.97	359.25	-254.54	162.45	-57.74	286.46
6	52	346	-4.12e-02	-1.02	-1.02	-4.19e-02	2.48e-02	293.77	-378.09	289.05	-373.38	-56.09
6	52	347	5.32	-0.32	2.20	2.80	2.80	347.67	-76.59	342.40	-71.32	46.99
6	52	348	6.72	0.19	6.59	0.32	0.89	406.60	164.42	406.46	164.56	-5.70
6	52	349	6.73	-7.73e-02	1.45	5.20	2.84	-101.25	-186.75	-106.05	-181.94	-19.69
6	52	350	5.08	-1.01	0.20	3.87	2.43	278.54	-308.97	234.81	-265.24	154.21
6	52	351	6.08	0.19	4.54	1.73	2.59	374.74	65.22	373.53	66.43	19.33
6	54	99	0.80	-0.77	-0.66	0.69	-0.40	-33.14	-180.10	-34.08	-179.16	11.70
6	54	100	1.69	-10.44	1.07	-9.82	2.68	-105.44	-1322.36	-1214.46	-213.33	345.91
6	54	101	6.54	-7.25	-7.25	6.53	-0.17	-571.34	-1177.99	-574.97	-1174.37	-46.76
6	54	102	17.14	2.49	17.14	2.49	-0.11	-53.37	-482.11	-469.24	-66.25	73.17
6	54	103	5.95	-7.59	2.48	-4.13	-5.91	1003.24	-1534.19	914.95	-1445.89	-465.02
6	54	104	7.87	-1.00	-1.00	7.87	4.53e-02	-1029.34	-1309.19	-1220.52	-1118.00	130.20
6	54	105	4.23	-7.22	-0.44	-2.54	5.63	-69.34	-1585.24	-102.78	-1551.79	222.67
6	54	106	-0.33	-0.77	-0.72	-0.38	-0.14	-1197.34	-1504.13	-1204.64	-1496.83	-46.77
6	54	107	0.86	-14.66	-4.62	-9.18	7.42	-1113.06	-4405.81	-2840.42	-2678.45	1644.38
6	54	108	2.46	-3.01	2.46	-3.00	0.12	-63.66	-913.39	-407.74	-569.31	-417.11
6	54	109	0.57	-2.50	0.50	-2.44	0.44	52.09	-1816.49	40.78	-1805.17	144.99
6	54	110	0.15	-0.46	-0.37	5.17e-02	0.22	-352.89	-1406.00	-357.80	-1401.08	71.75
6	54	111	-7.29	-19.46	-7.30	-19.45	0.30	377.04	-365.72	354.86	-343.55	-126.40
6	54	112	18.46	11.90	18.44	11.93	-0.40	30.92	-131.74	-19.26	-81.55	-75.13
6	54	113	-0.43	-15.93	-15.63	-0.73	2.13	708.62	-391.97	-374.44	691.09	-137.79
6	54	115	-7.90	-15.13	-14.56	-8.47	1.94	377.15	-173.50	-27.89	231.53	-242.85
6	54	117	5.41	-6.41	0.69	-1.69	-5.79	172.90	-135.38	50.19	-12.67	-150.90
6	54	119	6.97	0.61	4.51	3.07	-3.10	-7.00	-422.28	-413.94	-15.34	-58.28
6	54	121	7.18	1.44	3.28	5.34	-2.68	1.44	-363.91	-363.63	1.16	-10.03
6	54	123	0.51	-1.40	-1.11	0.23	-0.68	123.78	-54.27	20.34	49.18	-87.85
6	54	125	-4.76	-10.06	-5.17	-9.65	1.41	245.94	2.42	209.76	38.61	-86.61
6	54	127	1.35	0.20	0.24	1.31	0.21	2.87	-319.35	2.61	-319.09	9.09
6	54	129	4.76	-1.62	4.28	-1.14	1.69	22.03	-139.38	5.01	-122.36	49.57
6	54	131	3.18	2.55	3.15	2.58	-0.13	-68.74	-484.11	-465.28	-87.57	86.42
6	54	133	3.78	0.30	0.36	3.72	-0.45	-187.04	-664.09	-644.92	-206.21	93.69

6	54	134	8.55e-03	-1.49e-02	-1.30e-02	6.61e-03	6.46e-03	0.54	-3.35	-1.42	-1.39	-1.94
6	54	135	0.42	-2.64	-1.57	-0.65	-1.46	1354.84	-133.40	769.19	452.25	-727.05
6	54	136	1.00	-0.24	-0.13	0.89	-0.36	866.24	-92.96	752.23	21.05	-310.42
6	54	137	0.16	8.98e-02	0.14	0.10	-2.73e-02	765.84	-62.76	716.85	-13.77	-195.43
6	54	138	0.36	2.55e-02	0.36	2.58e-02	-1.12e-02	603.89	-32.98	580.38	-9.47	-120.07
6	54	139	0.39	1.12e-02	0.39	1.16e-02	-1.27e-02	449.31	-13.75	439.92	-4.36	-65.26
6	54	140	0.31	5.63e-03	0.31	6.09e-03	-1.19e-02	347.03	-3.46	344.14	-0.57	-31.69
6	54	141	0.22	3.98e-03	0.22	4.37e-03	-9.14e-03	289.25	9.97e-02	288.02	1.34	-18.86
6	54	142	0.14	4.25e-03	0.14	4.63e-03	-7.05e-03	245.68	-6.62e-02	243.95	1.66	-20.52
6	54	143	7.08e-02	4.90e-03	7.01e-02	5.55e-03	-6.49e-03	191.38	-2.79	187.82	0.77	-26.05
6	54	144	1.62e-02	2.20e-03	1.30e-02	5.38e-03	-5.86e-03	109.22	-6.86	103.61	-1.25	-24.88
6	54	145	3.72e-02	1.81e-05	8.37e-04	3.64e-02	5.64e-03	86.27	-28.27	-7.91	65.90	-43.80
6	54	146	0.11	1.03e-02	1.03e-02	0.11	2.61e-04	131.19	-65.10	-11.26	77.35	-87.58
6	54	147	0.18	8.12e-02	8.44e-02	0.17	-1.70e-02	148.85	-146.07	-6.91	9.69	-147.23
6	54	148	1.16e-03	-0.22	-0.20	-1.69e-02	-6.07e-02	235.19	-343.99	55.45	-164.25	-267.95
6	54	149	0.32	8.67e-03	1.93e-02	0.31	5.64e-02	237.81	-194.50	43.81	-0.50	215.02
6	54	150	0.18	4.65e-02	4.87e-02	0.18	1.72e-02	318.59	-39.44	-9.76	288.90	98.73
6	54	151	2.46e-02	-0.16	2.17e-02	-0.16	2.31e-02	434.55	-17.66	-17.45	434.34	9.75
6	54	152	1.93e-02	-0.68	1.82e-02	-0.68	2.79e-02	465.89	-32.15	-19.54	453.28	-78.23
6	54	153	7.25e-02	-1.35	7.19e-02	-1.35	-2.80e-02	409.70	-98.98	-19.66	330.39	-184.54
6	54	154	-0.43	-2.29	-0.43	-2.28	8.62e-02	378.24	-364.40	-24.98	38.83	-369.94
6	54	155	0.13	-2.94	0.13	-2.94	-9.83e-02	412.74	-268.99	-37.80	181.54	322.74
6	54	156	-8.80e-02	-3.59	-8.82e-02	-3.59	2.78e-02	680.12	-57.64	-26.40	648.89	148.54
6	54	157	-3.66e-02	-3.47	-3.67e-02	-3.47	-2.02e-02	938.42	-30.32	-30.30	938.39	-5.35
6	54	158	-1.86e-02	-2.83	-1.90e-02	-2.83	-3.54e-02	1120.61	-59.34	-33.17	1094.44	-173.75
6	54	159	-5.43e-02	-2.03	-5.43e-02	-2.03	6.79e-03	1222.04	-144.09	-28.26	1106.20	-380.56
6	54	160	-0.40	-2.27	-0.57	-2.10	0.53	1458.58	-392.00	39.23	1027.36	-782.34
6	54	161	1.89	0.78	1.67	1.00	-0.44	1479.78	-295.27	1129.86	54.66	-706.18
6	54	162	8.39e-02	-0.59	-0.57	6.42e-02	-0.11	1339.92	-123.27	1238.22	-21.58	-372.11
6	54	163	-3.57e-02	-2.98	-2.97	-4.43e-02	-0.16	1215.12	-57.44	1187.51	-29.83	-185.41
6	54	164	-0.26	-5.87	-5.87	-0.26	1.35e-02	925.39	-22.21	923.51	-20.33	-42.22
6	54	165	3.92	-5.98	-5.80	3.74	1.32	400.71	-8.43	388.65	3.62	69.19
6	54	166	14.85	2.35	14.73	2.47	-1.21	515.67	-285.80	220.98	8.89	-386.45
6	54	167	3.94	-5.25	-1.63	0.32	-4.49	281.38	-121.05	145.42	14.91	-190.34
6	54	168	-1.12	-25.01	-24.95	-1.18	-1.17	139.96	10.35	107.06	43.25	-56.41
6	54	169	2.10	-9.64	-8.58	1.04	3.36	244.91	-32.70	232.49	-20.28	57.39
6	54	170	-1.17e-03	-4.08	-0.11	-3.97	0.65	284.58	-20.26	-18.58	282.90	22.55
6	54	171	0.45	-1.37	-0.12	-0.80	-0.84	346.91	-51.57	-8.18	303.52	-124.13
6	54	172	10.24	2.46	2.71	9.99	-1.35	436.06	-171.93	86.46	177.66	-300.55
6	54	173	5.36	1.02	1.60	4.79	1.48	127.58	36.19	52.36	111.40	34.88
6	54	174	3.03	0.64	2.36	1.31	1.07	123.11	-259.00	-216.10	80.21	-120.63
6	54	175	-1.87	-9.65	-1.88	-9.64	-0.24	558.80	-433.71	-177.14	302.23	434.54
6	54	176	0.17	-7.39	0.16	-7.38	0.19	704.66	-89.45	-41.98	657.19	188.27
6	54	177	1.77e-02	-6.25	1.75e-02	-6.25	-4.08e-02	825.19	-31.08	-27.83	821.94	52.68
6	54	178	7.21e-02	-5.45	7.18e-02	-5.45	-3.89e-02	803.99	-31.16	-25.43	798.26	-68.98
6	54	179	0.61	-5.09	0.60	-5.08	-0.29	662.36	-83.60	-21.74	600.51	-205.71
6	54	180	-2.39	-7.11	-2.40	-7.09	-0.26	595.73	-338.38	4.90	252.46	-450.35
6	54	181	2.33	2.05	2.21	2.17	-0.14	325.96	-72.86	-30.49	283.59	122.90
6	54	182	-0.30	-0.75	-0.35	-0.70	-0.15	631.94	-33.30	-29.42	628.06	-50.67
6	54	183	0.81	-1.70	0.77	-1.66	-0.32	779.86	-68.58	9.40	701.89	-245.11
6	54	184	-2.27	-4.95	-2.36	-4.87	-0.48	1280.43	-123.66	466.38	690.39	-693.05
6	54	185	1.06	-1.68	0.28	-0.89	1.24	569.42	231.67	348.00	453.10	-160.49
6	54	186	-0.45	-4.49	-0.48	-4.46	0.37	664.53	86.08	283.65	466.96	-274.32
6	54	187	-0.19	-4.48	-0.22	-4.45	-0.38	702.41	221.67	242.34	681.74	-97.52
6	54	188	-4.51e-02	-4.91	-0.17	-4.78	-0.78	717.71	234.50	246.12	706.09	74.03
6	54	189	0.18	-5.69	-9.38e-02	-5.41	-1.24	689.70	140.43	301.53	528.61	250.07
6	54	190	6.46	-5.19	1.31	-4.52e-02	-5.78	402.08	-79.45	142.57	180.06	-240.03
6	54	191	0.31	-2.04	0.11	-1.85	-0.65	1046.39	267.04	406.10	907.32	-298.40
6	54	192	0.26	-2.24	0.22	-2.20	-0.30	788.44	349.54	352.81	785.18	-37.71
6	54	193	0.31	-2.25	0.30	-2.24	0.16	640.79	218.81	350.87	508.73	195.67
6	54	194	0.35	-1.31	-2.38e-02	-0.94	0.69	495.77	-7.71	253.09	234.98	-251.58
6	54	195	0.29	-0.85	-5.46e-02	-0.50	0.53	432.01	141.09	202.96	370.13	-119.04
6	54	196	0.25	-0.50	-6.19e-02	-0.19	0.37	357.02	183.56	183.77	356.80	6.13
6	54	197	0.19	-0.26	-7.40e-02	1.02e-02	0.22	321.67	77.47	187.61	211.53	121.51
6	54	198	5.01e-02	-7.67e-02	-6.79e-02	4.12e-02	3.23e-02	289.11	-187.09	149.12	-47.10	-216.95
6	54	199	7.27e-02	-2.82e-02	2.92e-02	1.54e-02	-5.00e-02	265.05	-9.02	258.75	-2.72	-41.07
6	54	200	8.67e-02	-3.27e-02	4.12e-02	1.28e-02	-5.80e-02	291.08	13.02	288.59	15.51	-26.20
6	54	201	7.43e-02	-3.47e-02	4.16e-02	-2.01e-03	-4.99e-02	324.20	46.11	316.47	53.84	-45.72
6	54	202	1.01e-02	-3.59e-02	9.16e-03	-3.49e-02	6.40e-03	422.62	57.66	381.41	98.87	-115.50
6	54	203	5.49e-02	-0.24	-0.11	-7.69e-02	0.15	610.28	28.72	503.60	135.40	-225.08
6	54	204	0.15	-0.67	-0.40	-0.12	0.39	818.96	-20.04	633.48	165.43	-348.16
6	54	205	2.41	-6.18	1.61	-5.39	2.49	344.80	-116.36	327.97	-99.52	-86.49
6	54	206	-4.70e-02	-4.46	-2.48	-2.02	-2.19	467.41	-312.29	181.11	-25.99	-375.85
6	54	207	1.56	-5.59	-4.67	0.64	2.39	522.80	-396.89	490.15	-364.24	-170.18
6	54	208	5.59	-5.17	5.00	-4.58	2.45	187.19	100.46	184.57	103.08	-14.84
6	54	209	-0.26	-5.35	-0.61	-5.00	-1.28	723.33	-216.34	504.79	2.20	396.98
6	54	210	3.68	-3.65	3.68	-3.64	-9.25e-02	640.85	-161.35	506.58	-27.08	-299.47

6	54	211	0.29	-1.57	-2.34e-02	-1.26	0.70	571.79	-355.97	393.53	-177.71	-365.52
6	54	212	0.28	-1.75	-1.12	-0.35	0.94	943.12	-110.17	639.98	192.98	-476.87
6	54	213	0.51	-2.66	-0.40	-1.74	1.44	829.62	6.39	314.66	521.35	-398.43
6	54	214	5.74e-02	-2.40e-02	-1.15e-02	4.48e-02	-2.94e-02	225.94	-74.50	120.42	31.02	-143.42
6	54	215	5.86e-02	-2.55e-02	1.84e-02	1.46e-02	-4.20e-02	221.59	-17.98	201.53	2.09	-66.36
6	54	216	0.46	-2.09	0.34	-1.97	0.56	666.17	-223.95	443.03	-0.80	385.79
6	54	217	-1.30	-3.88	-1.69	-3.49	0.93	673.35	-310.43	411.75	-48.83	-434.65
6	54	218	0.13	-0.13	-9.37e-02	9.64e-02	9.08e-02	332.87	-231.28	227.48	-125.90	219.88
6	54	219	1.82	-1.75	1.34	-1.27	1.22	463.98	65.30	441.63	87.65	91.71
6	54	220	0.11	-0.22	-0.19	8.19e-02	9.30e-02	327.57	-425.74	207.63	-305.80	-275.62
6	54	221	1.59	-3.54	-2.39	0.44	-2.14	828.54	207.81	799.42	236.94	-131.26
6	54	222	0.19	-1.60	-0.13	-1.28	-0.68	1306.44	48.93	473.82	881.55	-594.78
6	54	223	1.13	-2.74	-1.44	-0.17	-1.83	1164.69	164.43	1047.94	281.18	-321.17
6	54	224	1.99	-4.73	1.65	-4.40	1.46	738.82	-305.22	733.76	-300.16	72.53
6	54	225	0.34	-1.84	0.21	-1.71	0.52	716.03	-465.86	715.92	-465.74	11.68
6	54	226	0.34	-2.89	-0.35	-2.20	-1.32	751.01	-384.31	721.14	-354.44	-181.72
6	54	227	0.14	-0.20	-0.20	0.14	-1.83e-02	443.37	-471.97	442.78	-471.38	-23.23
6	54	228	1.00	-1.81	-0.60	-0.20	-1.39	1371.13	33.45	1032.82	371.76	-581.46
6	54	231	8.85e-02	-3.29	-1.89	-1.32	1.67	765.11	-412.18	202.95	149.98	-588.05
6	54	232	4.99e-02	-1.75e-02	9.60e-03	2.29e-02	-3.31e-02	158.88	-23.12	104.57	31.19	-83.28
6	54	233	0.36	-0.96	-0.54	-5.42e-02	-0.61	1591.39	-398.34	663.30	529.74	-992.62
6	54	234	3.49	-5.85	-5.04	2.69	-2.62	292.80	219.33	287.94	224.19	18.26
6	54	235	-2.80e-02	-0.15	-0.15	-3.16e-02	-2.09e-02	268.70	55.41	268.50	55.60	6.43
6	54	236	-0.10	-0.24	-0.19	-0.15	6.50e-02	301.22	99.87	268.25	132.84	-74.51
6	54	237	0.45	-0.70	-0.25	5.14e-03	0.56	334.84	276.67	334.84	276.67	-0.38
6	54	238	-0.60	-2.98	-0.74	-2.85	-0.54	569.53	365.36	377.66	557.22	-48.59
6	54	239	0.62	-0.98	-0.24	-0.12	0.80	401.87	254.39	368.42	287.84	-61.76
6	54	240	-0.23	-3.30	-0.60	-2.92	-1.01	588.79	377.78	381.49	585.08	27.75
6	54	241	5.61e-04	-0.59	-0.26	-0.32	0.29	507.65	57.22	375.06	189.81	-205.29
6	54	242	0.92	-1.60	0.85	-1.53	-0.41	670.08	557.45	647.34	580.19	-45.21
6	54	243	3.44e-02	-0.12	-0.11	2.06e-02	-4.44e-02	301.80	-1.62	301.72	-1.54	4.95
6	54	244	0.14	-3.47	-0.44	-2.90	-1.32	535.40	351.50	457.95	428.94	90.80
6	54	245	0.78	-1.24	-0.16	-0.30	1.00	500.04	140.17	461.79	178.42	-110.92
6	54	246	-1.05	-2.56	-1.06	-2.56	-0.12	529.79	268.76	447.05	351.50	-121.45
6	54	247	0.29	-0.45	-0.24	7.34e-02	0.33	364.70	138.80	350.83	152.67	54.23
6	54	248	0.92	-1.52	0.88	-1.48	0.31	678.37	330.72	644.65	364.44	102.88
6	54	249	4.30	-5.44	4.13	-5.26	-1.29	563.44	-25.09	560.91	-22.56	-38.47
6	54	250	0.26	-1.15	-0.38	-0.51	0.70	729.16	46.53	536.85	238.85	-307.07
6	54	251	4.92e-02	-9.02e-02	-7.62e-02	3.52e-02	-4.19e-02	301.83	-27.86	297.05	-23.08	-39.43
6	54	252	0.74	-3.51	0.36	-3.13	-1.20	611.31	127.99	592.89	146.41	92.54
6	54	253	4.76	-8.17	4.39	-7.80	-2.14	431.60	-93.37	412.71	-74.48	-97.78
6	54	254	5.87e-02	-0.13	-0.13	5.81e-02	1.07e-02	336.95	-116.07	299.60	-78.71	-124.61
6	54	255	0.88	-1.40	4.89e-02	-0.57	1.10	619.68	-20.26	607.42	-8.00	-87.74
6	54	256	1.06	-1.56	0.75	-1.25	0.84	728.89	48.83	694.68	83.04	148.64
6	54	257	0.10	-0.22	-0.22	9.79e-02	4.73e-02	405.93	-204.26	384.85	-183.18	-111.44
6	54	258	-1.30	-2.10	-1.30	-2.10	-1.83e-02	629.68	-8.94	590.13	30.61	-153.94
6	54	259	0.17	-0.29	-0.23	0.11	0.16	415.71	-63.44	407.32	-55.05	62.85
6	54	260	0.77	-1.85	0.17	-1.25	1.10	691.51	136.71	569.30	258.93	-229.93
6	54	261	2.49	-3.75	2.44	-3.70	-0.54	664.68	-39.09	663.55	-37.96	28.23
6	54	262	0.99	-1.39	0.42	-0.83	1.01	724.67	-83.87	723.03	-82.22	36.40
6	54	263	1.11	-1.79	0.56	-1.25	-1.13	921.31	469.81	728.40	662.73	-223.35
6	54	264	-0.29	-1.86	-0.39	-1.75	-0.39	715.68	-142.13	695.22	-121.67	-130.88
6	54	265	0.60	-1.72	0.44	-1.55	0.60	670.32	2.92	642.31	30.93	-133.82
6	54	266	0.11	-0.26	-0.25	0.11	4.93e-02	446.00	-206.25	445.18	-205.42	-23.16
6	54	268	1.97	-2.35	0.26	-0.64	-2.11	992.66	357.22	890.36	459.52	-233.54
6	54	270	4.81	-3.55	0.50	0.76	-4.18	353.87	166.30	292.60	227.57	-87.97
6	54	271	3.19	-2.53	0.88	-0.21	-2.81	721.49	304.84	684.37	341.96	-118.69
6	54	272	0.57	-1.93	-0.52	-0.83	1.24	825.26	70.77	561.01	335.02	-359.93
6	54	273	4.40e-02	-5.48e-02	-4.37e-02	3.29e-02	-3.11e-02	268.57	-44.56	237.22	-13.21	-93.99
6	54	274	1.13	-1.96	-0.10	-0.72	-1.51	1142.44	319.97	842.58	619.83	-395.87
6	54	275	-0.21	-0.36	-0.30	-0.28	7.68e-02	99.76	40.50	90.57	49.68	-21.45
6	54	276	0.90	-1.05	-0.49	0.33	0.88	415.49	265.54	415.47	265.56	-1.74
6	54	277	0.61	-0.82	-0.50	0.29	0.59	382.04	250.00	381.84	250.20	-5.15
6	54	278	-0.62	-1.84	-1.11	-1.35	-0.60	504.00	330.84	331.44	503.41	-10.16
6	54	279	-0.20	-1.99	-0.99	-1.20	-0.89	535.34	332.00	332.08	535.25	-4.24
6	54	280	-6.00e-02	-0.23	-0.21	-7.32e-02	4.49e-02	245.76	-73.04	224.03	-51.30	80.36
6	54	281	0.42	-2.02	-0.66	-0.93	-1.21	409.33	348.04	354.77	402.59	-19.17
6	54	282	-0.13	-0.85	-0.37	-0.61	0.33	367.84	-65.32	202.67	99.85	-210.39
6	54	283	1.19	-1.21	-0.34	0.32	1.15	502.80	183.98	502.24	184.55	13.39
6	54	284	2.16e-02	-0.20	-0.20	2.10e-02	-1.23e-02	344.46	-77.75	341.99	-75.28	32.22
6	54	285	-0.85	-1.69	-1.23	-1.32	-0.42	355.84	311.33	355.81	311.36	-1.11
6	54	286	0.37	-0.59	-0.45	0.23	0.33	399.35	136.09	399.23	136.21	-5.41
6	54	287	1.78	-1.06	1.64	-0.92	0.61	732.85	259.88	726.61	266.13	53.97
6	54	288	2.86	-2.52	2.13	-1.79	-1.84	471.95	-76.06	470.39	-74.49	29.26
6	54	289	1.70	-1.19	0.54	-3.16e-02	1.42	714.00	10.17	704.25	19.92	82.27
6	54	290	1.88	-1.20	1.85	-1.17	-0.33	745.76	413.17	741.73	417.21	-36.43
6	54	291	1.44	-2.02	0.46	-1.03	-1.56	427.13	114.18	424.13	117.19	-30.51

6	54	292	0.12	-0.31	-0.30	0.12	5.55e-02	462.11	-124.85	461.38	-124.12	-20.62
6	54	293	-0.70	-1.29	-0.77	-1.23	-0.19	563.57	-230.07	549.27	-215.77	-105.56
6	54	294	1.47	-1.25	-4.03e-03	0.22	1.35	620.79	62.48	616.95	66.32	46.18
6	54	295	4.02	-3.60	3.10	-2.69	-2.48	403.83	-75.86	384.96	-57.00	93.24
6	54	296	-0.82	-1.57	-1.21	-1.18	-0.38	446.80	-20.92	446.79	-20.91	2.25
6	54	297	1.77	-1.12	1.14	-0.49	1.19	745.04	87.56	731.92	100.68	91.97
6	54	298	0.20	-0.41	-0.37	0.17	0.15	441.82	-18.65	441.64	-18.47	-8.97
6	54	299	-0.21	-1.25	-0.30	-1.17	0.28	592.60	-178.04	517.63	-103.07	-228.37
6	54	300	8.45e-02	-0.24	-0.24	8.32e-02	2.03e-02	427.88	-134.64	425.53	-132.29	-36.30
6	54	301	3.99	-1.30	3.55	-0.86	-1.46	624.47	303.90	611.42	316.95	-63.35
6	54	302	7.13	-0.66	6.01	0.46	-2.74	222.70	161.22	215.04	168.87	-20.30
6	54	303	5.81e-02	-0.17	-0.17	5.77e-02	-9.63e-03	362.72	-80.63	359.15	-77.05	-39.65
6	54	304	0.19	-1.32	-0.18	-0.95	0.65	642.98	-19.32	488.40	135.25	-280.14
6	54	305	3.11	-4.55	1.59	-3.03	-3.05	240.75	-37.40	220.88	-17.53	71.63
6	54	306	2.15	-1.71	1.48	-1.04	-1.46	852.80	425.75	798.75	479.79	-141.99
6	54	307	1.09	-1.12	-0.78	0.75	0.79	384.27	271.73	357.17	298.84	48.12
6	54	308	0.30	-1.42	-1.24	0.12	-0.53	519.38	201.86	201.86	519.37	1.07
6	54	309	0.72	-0.95	-0.79	0.57	0.48	338.07	273.31	335.25	276.13	-13.21
6	54	310	-8.60e-02	-1.43	-1.28	-0.23	-0.42	484.36	205.66	205.66	484.36	-0.20
6	54	311	3.90	-1.24	1.82	0.84	-2.53	130.59	-345.35	130.54	-345.31	-4.81
6	54	312	2.59	-1.02	0.54	1.04	1.79	599.65	-49.83	570.61	-20.78	134.24
6	54	313	0.95	-1.30	-1.03	0.67	-0.74	421.27	120.07	121.13	420.21	-17.77
6	54	314	-0.30	-0.46	-0.43	-0.34	-6.69e-02	-110.78	-213.88	-213.19	-111.46	8.38
6	54	315	-0.56	-1.14	-1.06	-0.64	-0.20	239.21	-624.41	230.92	-616.12	-84.21
6	54	316	1.53	-1.21	-0.63	0.96	1.12	467.19	160.34	413.54	213.99	116.55
6	54	317	-0.10	-0.24	-0.20	-0.14	5.98e-02	277.50	-337.59	253.50	-313.59	119.11
6	54	318	8.53e-02	-0.35	-0.35	8.52e-02	-3.12e-03	424.76	-160.33	423.57	-159.13	-26.39
6	54	319	4.41	-0.49	2.24	1.68	-2.43	137.59	-337.29	-34.81	-164.89	228.36
6	54	320	-0.28	-1.47	-1.28	-0.46	-0.43	317.72	137.83	138.73	316.82	12.71
6	54	321	0.43	-0.72	-0.68	0.39	0.21	367.48	131.26	349.55	149.19	-62.56
6	54	322	2.95	-0.69	2.47	-0.22	1.23	633.45	163.20	630.88	165.77	34.69
6	54	323	2.31	-1.19	-0.39	1.52	-1.47	116.78	-131.22	-40.71	26.27	-119.39
6	54	324	-0.36	-1.42	-1.20	-0.58	-0.43	57.09	-193.72	-48.14	-88.48	123.77
6	54	325	0.22	-0.50	-0.50	0.22	3.65e-02	404.18	-47.77	391.50	-35.09	-74.63
6	54	326	2.74	-0.83	1.48	0.42	1.71	627.42	32.56	617.75	42.23	75.23
6	54	327	2.03	-1.18	-0.21	1.07	1.47	548.58	13.83	500.06	62.35	153.60
6	54	328	5.55	-1.45	3.91	0.19	-2.96	143.42	-191.13	-12.57	-35.14	166.89
6	54	329	7.84	-0.70	7.50	-0.37	1.66	95.45	28.72	51.47	72.69	31.63
6	54	330	2.48e-02	-0.27	-0.27	2.48e-02	2.92e-03	395.59	-156.33	394.80	-155.55	20.82
6	54	331	-0.45	-0.94	-0.63	-0.76	0.24	125.05	-500.51	-71.44	-304.01	-290.36
6	54	332	3.21	-0.77	3.20	-0.76	0.18	638.78	273.88	637.92	274.73	-17.63
6	54	333	6.76	-0.73	3.73	2.30	3.67	30.17	-79.73	-46.47	-3.09	50.49
6	54	334	0.73	-1.11	-1.07	0.69	0.25	354.46	222.98	226.88	350.56	-22.31
6	54	335	0.87	-1.29	-1.29	0.87	-5.10e-03	482.30	138.55	143.79	477.06	42.10
6	54	336	1.14	-1.21	-1.09	1.02	0.50	408.97	203.07	230.26	381.77	69.72
6	54	337	0.47	-1.27	-1.26	0.46	-8.59e-02	440.58	151.21	151.94	439.85	-14.55
6	54	338	1.51	-1.17	-1.17	1.51	7.25e-02	422.07	5.43	32.94	394.56	103.45
6	54	339	1.70	-1.21	-0.98	1.48	0.78	427.29	63.87	205.43	285.73	177.22
6	54	340	0.45	-0.90	-0.90	0.45	-1.61e-02	316.13	91.13	208.81	198.46	-112.38
6	54	341	0.20	-1.12	-1.09	0.18	-0.19	311.75	43.66	63.44	291.97	-70.09
6	54	342	-2.94e-02	-0.90	-0.86	-6.59e-02	-0.17	92.06	-200.51	-154.93	46.48	-106.09
6	54	343	0.23	-0.63	-0.58	0.19	-0.20	312.08	-206.03	216.81	-110.76	-200.71
6	54	344	2.45	-0.88	-0.88	2.44	0.16	255.56	-333.56	-278.88	200.88	170.94
6	54	345	2.50	-1.27	-0.96	2.19	1.04	369.32	-232.39	178.29	-41.36	280.09
6	54	346	-2.36e-02	-0.38	-0.36	-3.87e-02	-7.17e-02	285.36	-326.53	281.51	-322.68	-48.40
6	54	347	3.93	-0.67	1.69	1.56	2.30	359.61	-63.97	352.15	-56.52	55.70
6	54	348	4.84	-0.48	4.69	-0.34	0.86	417.63	172.62	417.54	172.71	4.66
6	54	349	5.03	-0.57	1.17	3.28	2.59	-77.38	-164.22	-78.18	-163.42	-8.31
6	54	350	3.99	-1.05	0.40	2.54	2.28	291.66	-286.58	245.42	-240.34	156.84
6	54	351	4.42	-0.46	3.24	0.72	2.09	386.73	73.81	383.99	76.55	29.12
6	58	99	37.23	-12.80	37.23	-12.80	-6.95e-02	8407.73	-975.33	7021.05	411.35	3329.93
6	58	100	24.81	-1.75	-0.36	23.42	5.92	2509.46	-2054.11	-278.62	733.96	2224.91
6	58	101	-11.64	-20.60	-13.24	-19.00	3.43	-1179.10	-2110.66	-1587.27	-1702.49	462.20
6	58	102	21.62	-44.22	20.96	-43.56	-6.56	1350.27	394.38	1324.58	420.06	154.58
6	58	103	-0.54	-13.17	-2.10	-11.62	-4.15	2132.19	-1482.05	2131.97	-1481.83	-27.94
6	58	104	13.85	-6.45	3.99e-02	7.36	9.47	86.45	-1156.86	-268.12	-802.29	561.35
6	58	105	11.30	-6.37	5.09	-0.17	8.44	2365.51	-3543.86	2205.71	-3384.05	958.55
6	58	106	0.98	3.39e-02	5.32e-02	0.97	-0.13	-813.82	-1518.54	-814.22	-1518.15	-16.62
6	58	107	7.34	-13.67	-8.37	2.05	9.12	-160.17	-2247.03	-777.63	-1629.57	952.52
6	58	108	15.95	-21.71	-21.56	15.80	2.37	-903.56	-7469.63	-7153.50	-1219.69	1405.63
6	58	109	-1.77	-6.13	-1.82	-6.08	-0.47	-438.17	-2225.63	-2090.20	-573.60	-473.00
6	58	110	-0.51	-2.61	-2.43	-0.70	-0.59	-99.21	-2226.34	-2124.83	-200.71	-453.45
6	58	111	11.04	-20.26	-10.03	0.81	14.68	708.83	-497.14	697.13	-485.44	118.21
6	58	112	22.93	-7.01	21.70	-5.79	-5.92	2419.35	306.07	2255.87	469.55	564.57
6	58	113	45.01	16.62	26.95	34.68	13.66	2173.16	-3.04	1019.39	1150.73	1086.11
6	58	115	15.76	-10.97	12.18	-7.40	9.10	1260.88	-118.64	381.72	760.51	-663.25
6	58	117	12.26	-7.82	12.16	-7.72	1.40	333.85	-13.71	327.00	-6.85	48.32

6	58	119	-0.21	-14.55	-5.35	-9.41	6.88	1213.94	368.44	1190.90	391.48	137.65
6	58	121	-20.65	-35.92	-22.34	-34.23	-4.79	1214.41	360.64	1214.39	360.66	4.02
6	58	123	-9.27	-27.78	-27.65	-9.40	1.53	1187.10	139.43	979.17	347.36	417.86
6	58	125	-2.33	-25.65	-14.09	-13.89	11.66	854.89	12.85	712.14	155.60	315.96
6	58	127	20.18	-9.62	1.37	9.18	14.38	140.03	-464.71	76.87	-401.55	184.95
6	58	129	19.43	-8.54	7.90	2.99	13.76	435.47	-306.58	162.76	-33.86	357.76
6	58	131	3.08	-30.56	3.02	-30.51	1.37	791.85	94.80	641.28	245.36	286.84
6	58	133	5.18	-15.97	0.90	-11.70	8.50	524.31	-192.45	283.84	48.03	338.43
6	58	134	0.40	0.32	0.32	0.39	1.62e-02	-24.90	-155.40	-102.73	-77.57	64.02
6	58	135	-0.14	-5.61	-4.13	-1.62	-2.43	1916.50	382.76	1898.14	401.12	-166.77
6	58	136	0.78	-1.49	-1.48	0.78	-5.22e-02	1080.72	-36.81	1019.18	24.72	254.91
6	58	137	1.07	5.24e-02	1.06	6.19e-02	9.76e-02	1004.48	-126.66	928.27	-50.45	283.54
6	58	138	3.03	-1.39e-02	3.02	-1.15e-02	8.47e-02	783.44	-123.58	701.02	-41.16	260.69
6	58	139	2.66	-4.06e-02	2.66	-3.93e-02	5.94e-02	570.19	-149.51	497.48	-76.80	216.88
6	58	140	2.34	0.22	2.33	0.22	4.62e-02	435.71	-113.67	380.96	-58.93	164.56
6	58	141	2.00	0.20	2.00	0.20	4.32e-02	246.31	-83.53	196.96	-34.17	117.66
6	58	142	1.61	0.22	1.61	0.22	4.30e-02	84.17	-87.95	11.84	-15.62	84.96
6	58	143	1.15	0.29	1.15	0.29	3.91e-02	47.22	-98.38	-45.94	-5.21	69.89
6	58	144	0.60	0.38	0.60	0.38	-1.03e-02	17.80	-97.35	-53.29	-26.26	55.97
6	58	145	0.88	0.29	0.29	0.88	-7.19e-03	3.14	-153.29	-105.10	-45.04	72.22
6	58	146	2.03	0.33	0.33	2.02	-5.88e-02	71.86	-223.82	-115.70	-36.26	142.40
6	58	147	3.62	0.31	0.32	3.61	0.14	76.24	-363.63	-200.76	-86.63	212.40
6	58	148	1.29	-0.58	-0.50	1.21	0.37	1134.38	-186.25	-3.48	951.61	456.03
6	58	149	2.33	-1.64	-1.28	1.98	-1.13	296.70	-360.66	25.82	-89.77	-323.56
6	58	150	4.97	0.24	0.32	4.88	-0.63	-140.39	-195.12	-162.87	-172.64	-26.93
6	58	151	7.06	0.46	0.49	7.03	-0.39	-6.08	-126.16	-124.50	-7.75	14.03
6	58	152	8.46	0.69	0.70	8.45	-0.32	127.17	-144.24	-127.60	110.53	65.12
6	58	153	9.77	0.67	0.69	9.75	0.40	77.61	-215.49	-199.69	61.81	66.19
6	58	154	1.67	-1.52	-1.00	1.15	1.18	1180.63	-201.83	-84.29	1063.09	385.58
6	58	155	2.35	-1.63	-0.91	1.63	-1.53	320.34	-297.45	-57.74	80.63	-301.05
6	58	156	9.38	0.16	0.19	9.35	-0.49	166.55	-248.93	-241.75	159.38	54.14
6	58	157	11.06	0.83	0.83	11.05	0.15	574.44	-218.75	-205.76	561.44	100.70
6	58	158	12.22	1.39	1.41	12.20	0.37	815.59	-284.77	-225.11	755.94	249.17
6	58	159	14.92	2.31	2.31	14.91	0.27	823.22	-608.51	-532.90	747.61	320.23
6	58	160	20.51	2.21	3.32	19.39	4.38	3360.20	-829.35	-268.66	2799.51	1426.41
6	58	161	-4.61	-20.46	-20.40	-4.67	-0.92	66.49	-3102.61	-2825.88	-210.24	-894.66
6	58	162	1.26	-6.99	-5.26	-0.46	3.36	803.25	-182.72	677.30	-56.77	-329.12
6	58	163	8.72	-0.84	7.59	0.29	3.09	1217.69	-153.71	1096.81	-32.82	-388.80
6	58	164	12.27	-0.42	11.60	0.25	2.85	1585.72	29.68	1567.30	48.09	-168.27
6	58	165	11.41	-12.84	7.00	-8.42	9.36	3424.00	34.68	3410.82	47.87	210.99
6	58	166	1.48	-10.60	0.35	-9.47	-3.52	729.70	-1780.60	-1195.14	144.23	-1061.57
6	58	167	22.59	-1.27	20.98	0.34	-5.98	1115.63	103.24	1100.73	118.14	-121.92
6	58	168	27.56	-4.44	26.61	-3.49	5.44	1987.48	343.92	1823.48	507.91	492.58
6	58	169	42.37	14.19	42.30	14.26	1.40	5018.79	410.07	4903.52	525.35	719.71
6	58	170	-8.48	-15.24	-8.72	-15.00	1.27	3099.22	-2094.42	361.58	643.23	2593.00
6	58	171	0.69	-8.74	-8.47	0.42	1.58	2083.43	168.45	631.80	1620.09	820.13
6	58	172	-0.69	-12.97	-8.98	-4.68	5.75	828.98	53.03	480.78	401.23	385.93
6	58	173	-6.19	-17.56	-7.62	-16.13	-3.78	344.32	227.97	341.59	230.70	-17.62
6	58	174	-4.93	-14.40	-5.08	-14.25	1.15	262.81	-584.80	-104.28	-217.71	-419.99
6	58	175	-2.45	-11.67	-2.48	-11.64	-0.51	1225.34	-717.92	-132.17	639.59	891.71
6	58	176	1.34e-02	-9.51	-0.11	-9.39	1.06	1647.81	53.22	121.04	1579.99	321.79
6	58	177	-0.19	-9.49	-0.23	-9.45	0.61	1582.51	136.02	138.99	1579.54	-65.46
6	58	178	-0.38	-11.51	-0.41	-11.48	0.60	1488.05	-45.46	154.64	1287.95	-516.54
6	58	179	-4.17e-02	-13.83	-5.05e-02	-13.82	0.35	1528.42	-424.87	210.72	892.84	-915.16
6	58	180	-1.44	-19.04	-1.62	-18.86	-1.74	1166.91	-2455.40	164.72	-1453.21	-1620.45
6	58	181	16.33	7.71	8.49	15.54	2.48	1553.65	-1906.74	76.86	-429.94	1711.54
6	58	182	6.03	-0.19	0.17	5.66	1.46	1193.27	-272.48	179.81	740.98	677.04
6	58	183	0.98	-0.37	0.85	-0.24	0.40	853.86	194.89	198.54	850.21	-48.89
6	58	184	-0.47	-1.06	-0.77	-0.76	0.30	1669.52	-449.59	515.26	704.67	-1055.31
6	58	185	5.28	0.33	1.75	3.85	2.24	1026.26	-173.47	621.05	231.74	567.41
6	58	186	-0.94	-9.15	-0.97	-9.12	0.50	1375.57	-471.67	650.10	253.81	-902.11
6	58	187	-0.44	-8.46	-0.48	-8.42	0.58	1319.86	217.44	529.88	1007.42	-496.81
6	58	188	-0.36	-7.02	-0.38	-7.01	0.31	1266.74	466.91	468.65	1265.01	-37.17
6	58	189	-0.44	-7.03	-0.45	-7.01	-0.30	1400.74	362.10	535.02	1227.82	386.91
6	58	190	1.78	-15.37	-14.54	0.95	-3.68	1539.47	131.62	906.65	764.44	700.33
6	58	191	5.84	0.72	0.80	5.75	0.64	752.92	93.73	98.64	748.01	56.69
6	58	192	6.14	0.48	0.50	6.12	0.29	588.12	111.91	119.62	580.41	60.11
6	58	193	6.35	0.41	0.50	6.26	-0.71	482.31	53.63	75.46	460.48	94.24
6	58	194	6.71	0.56	0.81	6.47	1.21	241.53	-12.85	14.77	213.90	-79.14
6	58	195	5.81	0.56	0.61	5.75	0.52	145.53	41.79	51.63	135.69	-30.39
6	58	196	4.84	0.44	0.46	4.82	-0.25	57.30	37.55	40.19	54.66	6.72
6	58	197	4.18	-3.23e-02	0.15	3.99	-0.86	130.24	-29.39	-8.09	108.93	-54.29
6	58	198	2.58	0.39	0.39	2.58	3.44e-02	197.86	-156.64	-120.96	162.18	106.66
6	58	199	1.38	0.42	1.38	0.42	4.04e-02	75.70	-42.72	37.94	-4.96	55.19
6	58	200	1.74	0.38	1.74	0.38	4.06e-02	229.71	-68.61	199.55	-38.45	89.92
6	58	201	2.07	0.22	2.06	0.22	6.12e-02	406.87	-71.58	362.86	-27.57	138.28
6	58	202	2.40	-0.15	2.39	-0.15	0.14	535.93	-50.99	484.20	0.74	166.39

6	58	203	2.79	-0.20	2.75	-0.16	0.32	719.75	-1.43	678.05	40.27	168.33
6	58	204	3.27	-0.32	3.17	-0.22	0.60	907.17	135.09	873.20	169.06	158.34
6	58	205	-5.59	-10.89	-8.11	-8.37	2.65	472.59	-189.58	469.52	-186.51	45.00
6	58	206	-4.26	-15.38	-13.80	-5.83	3.88	661.07	178.82	643.11	196.79	91.33
6	58	207	5.38	-15.05	-7.67	-2.00	9.82	375.05	-647.69	266.27	-538.90	315.31
6	58	208	3.51	-2.79	2.24	-1.52	-2.53	2355.69	-123.91	1683.66	548.12	1102.15
6	58	209	-1.21	-6.27	-1.38	-6.11	-0.89	1324.65	-19.92	765.58	539.15	662.68
6	58	210	-3.17	-5.33	-4.01	-4.49	1.05	900.63	-46.37	834.77	19.49	-240.90
6	58	211	6.83	-0.46	-0.30	6.67	1.06	148.77	-282.95	-50.48	-83.70	-215.22
6	58	212	1.15	-1.35	0.21	-0.41	1.21	1060.17	148.32	1049.39	159.09	98.54
6	58	213	4.15	-0.20	0.96	2.98	1.93	708.03	347.45	550.94	504.54	-178.79
6	58	214	1.70	0.48	0.48	1.70	-4.51e-03	31.90	-102.16	-59.04	-11.21	62.62
6	58	215	0.96	0.59	0.96	0.59	-2.36e-02	37.23	-61.18	-30.49	6.53	45.59
6	58	216	5.73	-1.07	-1.06	5.72	-0.29	288.85	-230.76	105.29	-47.19	248.37
6	58	217	-1.48	-7.84	-1.52	-7.81	0.48	1454.85	-1152.98	986.53	-684.66	-1000.99
6	58	218	3.27	-1.36	-1.14	3.05	-0.99	-15.97	-168.03	-34.80	-149.20	50.08
6	58	219	7.96	1.09	6.24	2.81	2.98	1218.69	-952.73	858.27	-592.31	807.91
6	58	220	3.11	-0.41	-0.40	3.10	0.17	-30.47	-349.50	-339.13	-40.84	-56.57
6	58	221	13.48	-1.33	12.24	-8.34e-02	4.11	1626.33	295.35	1596.93	324.75	-195.63
6	58	222	2.87	6.60e-02	1.12	1.82	1.36	696.08	-80.58	-80.46	695.96	9.58
6	58	223	6.25	-2.55	3.76	-6.15e-02	3.96	1154.67	63.07	962.47	255.28	-415.78
6	58	224	-0.78	-7.80	-3.30	-5.28	3.37	1627.28	5.68	1472.80	160.16	476.07
6	58	225	0.75	-1.33	-1.28	0.70	0.33	-433.95	-815.37	-625.33	-623.99	-190.71
6	58	226	3.21	-2.55	2.77	-2.11	1.53	2407.87	-802.83	2403.53	-798.49	118.07
6	58	227	2.91	-1.23	-1.16	2.85	-0.50	-400.17	-856.28	-773.94	-482.52	-175.44
6	58	228	3.70	-2.83	0.75	0.11	3.25	709.24	-524.63	-94.80	279.41	-587.88
6	58	231	2.25	-1.83	-0.36	0.78	1.96	642.22	-190.01	488.50	-36.29	-322.95
6	58	232	0.81	0.50	0.50	0.81	-6.49e-03	11.77	-74.69	-49.07	-13.85	39.48
6	58	233	3.58e-02	-2.31	-0.91	-1.36	1.15	791.17	-673.70	-446.38	563.85	-530.39
6	58	234	23.06	-4.21	22.32	-3.47	4.44	1745.67	47.99	1738.21	55.45	112.28
6	58	235	1.93	8.29e-02	1.91	0.11	0.20	405.12	-107.37	359.22	-61.48	146.34
6	58	236	2.25	-0.44	2.21	-0.40	0.32	538.35	-73.74	457.62	6.99	207.11
6	58	237	3.45	0.67	0.68	3.44	-0.17	145.57	67.62	144.24	68.94	-10.07
6	58	238	-0.91	-4.71	-1.05	-4.57	0.71	1126.86	428.11	834.00	720.97	-344.77
6	58	239	4.06	0.47	0.95	3.58	1.23	188.76	115.08	147.79	156.04	-36.61
6	58	240	-0.79	-4.76	-0.84	-4.71	0.43	991.59	760.58	790.76	961.41	77.85
6	58	241	2.66	-0.62	2.55	-0.51	0.61	707.65	60.64	638.47	129.82	199.94
6	58	242	2.70	1.08	1.12	2.66	-0.25	530.23	353.56	356.12	527.68	21.09
6	58	243	1.65	0.69	1.63	0.71	0.13	238.98	-37.25	226.09	-24.36	58.26
6	58	244	0.56	-5.77	-0.79	-4.42	2.59	1053.40	646.02	787.29	912.13	193.89
6	58	245	4.29	0.53	1.27	3.55	1.49	194.08	-5.48	59.45	129.14	-93.50
6	58	246	-1.73	-4.03	-1.81	-3.96	-0.40	1329.06	12.20	1145.52	195.75	-456.09
6	58	247	3.35	9.69e-02	0.25	3.20	-0.69	113.64	-36.57	112.54	-35.48	12.75
6	58	248	1.54	-0.35	1.19	-4.31e-03	-0.73	382.59	217.93	317.65	282.86	80.47
6	58	249	4.15	-7.56	-6.26	2.85	3.68	986.65	70.91	919.42	138.14	238.84
6	58	250	2.96	-0.96	2.65	-0.65	1.06	923.37	199.74	863.02	260.10	200.08
6	58	251	1.33	0.76	1.31	0.79	0.11	54.95	4.41	51.21	8.14	13.23
6	58	252	1.14	-6.04	-0.85	-4.04	3.22	1208.21	432.25	992.47	647.99	347.65
6	58	253	14.53	-6.74	-5.70	13.49	4.59	584.40	-237.08	560.65	-213.33	137.65
6	58	254	1.62	0.73	0.78	1.57	0.19	36.12	-114.95	-114.94	36.11	1.27
6	58	255	4.11	0.11	0.86	3.36	1.56	135.75	-151.23	48.44	-63.93	-132.03
6	58	256	0.42	-0.27	-0.16	0.31	0.25	228.95	-82.84	213.48	-67.36	67.72
6	58	257	2.05	9.09e-02	0.13	2.01	0.27	-118.43	-337.94	-288.74	-167.62	-91.53
6	58	258	-1.37	-3.18	-1.48	-3.08	-0.42	1507.79	-78.59	1455.49	-26.29	-283.26
6	58	259	3.17	-1.04	-0.74	2.88	-1.08	20.61	-215.23	20.34	-214.96	-7.97
6	58	260	3.55	-1.04	2.73	-0.22	1.76	1027.34	-165.68	949.53	-87.87	294.59
6	58	261	1.31	-7.01	-3.01	-2.69	4.16	1171.22	277.61	1041.85	406.98	314.43
6	58	262	2.76	-0.42	0.41	1.94	1.39	330.81	-193.50	321.07	-183.76	-70.79
6	58	263	1.88	-0.54	0.85	0.48	1.19	606.50	360.12	360.88	605.74	-13.63
6	58	264	1.37	-2.35	1.37	-2.35	-7.84e-02	1564.43	-296.02	1563.23	-294.82	-47.36
6	58	265	4.94	-2.41	4.49	-1.96	1.77	1320.63	-185.42	1271.96	-136.75	266.35
6	58	266	2.54	-0.29	-0.25	2.50	-0.31	-97.13	-285.44	-97.45	-285.12	-7.67
6	58	268	5.46	-4.96	0.65	-0.14	5.19	826.03	296.83	717.69	405.16	-213.53
6	58	270	-2.66	-10.04	-4.82	-7.87	3.36	1557.16	278.82	1551.65	284.33	83.74
6	58	271	3.41	-4.30	4.62e-02	-0.93	3.82	1314.30	355.91	1307.69	362.51	-79.29
6	58	272	2.66	-1.52	1.94	-0.80	1.58	969.53	89.73	895.34	163.92	244.48
6	58	273	1.17	0.86	0.91	1.12	0.11	58.06	-62.36	-41.50	37.20	45.57
6	58	274	4.51	-3.31	1.58	-0.38	3.78	692.40	78.25	200.81	569.84	-245.46
6	58	275	2.22	-0.81	2.09	-0.69	0.60	497.38	-114.53	407.58	-24.74	216.53
6	58	276	3.17	0.21	1.08	2.29	1.35	248.38	121.51	243.01	126.89	-25.56
6	58	277	2.50	0.61	0.72	2.39	0.45	247.98	68.84	247.49	69.32	9.33
6	58	278	-1.23	-3.97	-1.34	-3.86	0.55	907.94	469.29	780.01	597.22	-199.37
6	58	279	-1.10	-3.88	-1.21	-3.77	0.55	811.83	718.96	757.88	772.91	45.82
6	58	280	2.08	0.21	2.00	0.30	0.39	493.03	-49.77	439.68	3.58	161.60
6	58	281	0.73	-5.23	-1.01	-3.49	2.71	975.94	607.04	796.77	786.21	184.37
6	58	282	2.44	-1.15	2.26	-0.97	0.79	681.78	132.23	589.70	224.32	205.24
6	58	283	3.49	-0.19	1.56	1.74	1.84	284.16	75.58	253.71	106.03	-73.65

6	58	284	1.76	0.56	1.73	0.59	0.19	290.39	-18.22	290.15	-17.98	8.70
6	58	285	-1.40	-3.52	-1.64	-3.28	-0.67	995.16	334.78	976.04	353.91	-110.74
6	58	286	2.67	1.42e-02	0.33	2.35	-0.86	246.95	-28.48	245.36	-26.88	20.91
6	58	287	2.33	-1.32	2.27	-1.26	-0.49	580.21	260.17	541.04	299.33	104.88
6	58	288	3.12	-7.17	-2.50	-1.56	5.12	926.68	109.31	751.24	284.74	335.58
6	58	289	3.06	-1.44	2.01	-0.40	1.90	512.05	29.67	511.80	29.91	-10.84
6	58	290	2.89	-1.06	2.42	-0.60	-1.28	611.39	401.04	588.88	423.55	65.02
6	58	291	2.22	-4.98	-0.57	-2.19	3.51	891.62	365.38	735.41	521.59	240.42
6	58	292	1.87	0.56	0.58	1.85	-0.18	141.34	-130.25	141.30	-130.20	3.48
6	58	293	0.15	-1.80	-3.66e-02	-1.61	-0.58	1096.60	-502.67	1096.30	-502.37	-22.04
6	58	294	3.53	-0.86	2.03	0.64	2.08	352.48	15.03	338.94	28.57	-66.23
6	58	295	4.40	-11.26	-7.65	0.79	6.60	900.59	-106.09	643.88	150.61	438.77
6	58	296	-0.53	-2.97	-1.31	-2.19	-1.13	1065.29	-169.86	1064.97	-169.54	-19.85
6	58	297	2.83	-1.44	2.20	-0.81	1.51	554.51	119.11	542.24	131.38	72.07
6	58	298	2.49	-0.28	6.28e-02	2.14	-0.92	235.33	-92.61	234.67	-91.95	14.66
6	58	299	1.26	-1.59	1.09	-1.41	0.69	873.12	-307.80	873.09	-307.78	5.66
6	58	300	1.56	0.99	1.07	1.49	0.19	59.26	-108.53	50.07	-99.35	-38.16
6	58	301	-2.38	-4.13	-3.65	-2.86	-0.79	1178.54	470.19	1172.25	476.49	66.50
6	58	302	-0.88	-18.45	-11.23	-8.10	-8.65	1475.85	418.28	1462.39	431.74	118.56
6	58	303	1.37	1.02	1.25	1.13	0.16	49.20	-52.85	33.97	-37.62	-36.36
6	58	304	2.95	-1.41	2.65	-1.11	1.10	876.03	77.79	853.65	100.18	131.78
6	58	305	6.63	-12.12	-8.42	2.92	7.47	544.75	-299.53	341.08	-95.87	361.21
6	58	306	0.33	-2.83	-1.26	-1.23	1.58	737.01	481.12	719.97	498.16	-63.80
6	58	307	2.23	-1.37	-0.28	1.14	1.65	364.66	129.16	362.86	130.95	20.48
6	58	308	0.37	-2.38	-1.46	-0.55	1.30	683.47	558.06	645.77	595.77	57.50
6	58	309	1.40	0.36	0.66	1.10	0.47	333.56	66.48	333.54	66.50	2.05
6	58	310	-1.24	-2.59	-1.48	-2.34	0.52	672.99	449.62	615.82	506.79	-97.47
6	58	311	2.92	-4.97	-1.27	-0.78	3.94	240.29	-424.29	122.22	-306.23	254.02
6	58	312	5.59	-4.12	3.90	-2.44	3.68	739.35	111.77	725.42	125.71	92.47
6	58	313	3.08	-3.05	-1.29	1.32	2.78	892.44	427.36	650.34	669.46	232.35
6	58	314	0.69	-1.48	0.44	-1.23	0.69	995.21	211.38	628.24	578.35	391.12
6	58	315	-1.07	-3.04	-2.01	-2.11	-0.98	13.03	-827.58	12.44	-826.99	-22.25
6	58	316	3.78	-1.05	1.45	1.29	2.41	493.29	143.13	492.54	143.89	16.24
6	58	317	2.10	-0.53	2.03	-0.46	0.42	623.94	-70.33	619.76	-66.15	53.72
6	58	318	1.06	0.73	0.96	0.84	-0.15	263.81	-93.82	263.11	-93.12	15.82
6	58	319	5.92	-9.96	-8.05	4.01	5.16	485.89	-642.30	4.86	-161.28	557.94
6	58	320	-0.33	-1.87	-1.10	-1.10	-0.77	547.83	337.97	530.21	355.59	-58.20
6	58	321	1.42	0.59	0.75	1.26	-0.32	379.08	60.71	378.95	60.84	-6.40
6	58	322	3.83	-3.59	3.82	-3.58	-0.36	858.53	348.60	832.35	374.78	112.52
6	58	323	4.79	-3.25	-1.00	2.54	3.61	707.14	223.62	514.01	416.75	236.82
6	58	324	-0.68	-3.98	-1.48	-3.18	-1.41	390.07	-122.86	365.96	-98.75	108.56
6	58	325	1.58	0.31	0.53	1.36	-0.48	420.30	14.95	420.20	15.06	6.57
6	58	326	4.86	-4.31	4.36	-3.80	2.08	844.89	262.50	828.58	278.81	96.08
6	58	327	4.47	-2.71	2.46	-0.70	3.23	628.75	85.83	625.92	88.66	39.12
6	58	328	-0.62	-10.56	-5.84	-5.34	4.96	611.12	-500.59	138.82	-28.29	549.54
6	58	329	10.65	-16.86	10.22	-16.43	-3.38	1858.69	562.40	1851.38	569.70	97.02
6	58	330	1.60	0.56	1.49	0.67	0.32	356.06	-47.19	355.53	-46.66	14.60
6	58	331	-0.48	-1.76	-1.06	-1.18	0.64	536.23	-257.57	534.75	-256.09	-34.27
6	58	332	4.55	-3.50	4.48	-3.43	-0.76	913.47	419.27	891.79	440.96	101.22
6	58	333	13.63	-16.84	13.13	-16.34	3.87	1812.99	522.53	1791.57	543.96	164.88
6	58	334	1.27	-0.91	-0.55	0.92	0.81	378.77	142.81	378.02	143.57	-13.35
6	58	335	2.29	-2.66	-1.58	1.21	2.04	555.15	354.48	504.46	405.17	87.19
6	58	336	2.77	-1.87	-0.40	1.30	2.16	457.64	197.02	429.20	225.46	81.25
6	58	337	1.05	-1.75	-1.56	0.87	0.69	450.37	279.75	428.28	301.84	-57.28
6	58	338	4.03	-3.64	-1.51	1.90	3.43	688.07	232.20	542.16	378.11	212.67
6	58	339	4.31	-2.57	-0.13	1.88	3.29	653.79	119.26	561.62	211.43	201.92
6	58	340	1.02	0.27	0.63	0.66	-0.38	448.25	1.54	413.27	36.51	-120.00
6	58	341	1.25	-0.21	0.27	0.77	-0.68	437.95	103.94	358.79	183.10	-142.04
6	58	342	1.58	-0.92	-0.21	0.87	-1.13	537.13	-163.55	202.25	171.33	-350.00
6	58	343	1.22	1.53e-02	0.93	0.31	-0.52	525.95	63.97	522.00	67.93	-42.56
6	58	344	8.36	-3.85	0.60	3.90	5.88	1130.59	-44.68	532.02	553.89	587.54
6	58	345	7.55	-3.05	1.21	3.29	5.20	843.64	39.10	755.41	127.33	251.39
6	58	346	2.10	0.20	2.07	0.24	-0.25	1015.86	15.72	1004.91	26.68	104.10
6	58	347	8.11	-10.07	7.05	-9.01	4.26	1233.50	362.92	1213.69	382.73	129.82
6	58	348	7.30	-7.43	6.93	-7.06	-2.30	1292.11	461.51	1265.83	487.79	145.38
6	58	349	13.23	-14.46	10.56	-11.78	8.18	1574.13	418.27	1546.40	446.00	176.88
6	58	350	9.01	-8.11	4.23	-3.33	7.68	1520.96	223.18	1478.52	265.61	230.81
6	58	351	6.92	-8.68	6.91	-8.67	0.50	1301.38	446.46	1285.07	462.77	116.96
6	64	99	8.16	-22.04	-22.00	8.12	1.11	283.63	-4337.13	-3570.80	-482.70	-1718.65
6	64	100	-1.03	-32.45	-1.09	-32.40	-1.34	5.21	-1853.12	-1620.79	-227.13	-614.64
6	64	101	23.53	8.23	8.36	23.41	-1.40	119.18	-1426.23	109.94	-1417.00	-119.10
6	64	102	32.88	-22.95	-21.89	31.83	7.60	-299.52	-1277.97	-1271.90	-305.59	76.82
6	64	103	11.24	-11.10	6.59	-6.45	-9.07	91.00	-1775.83	21.22	-1706.05	-354.12
6	64	104	10.26	-2.95	-1.16	8.47	-4.53	-970.98	-1512.52	-1445.86	-1037.64	-177.92
6	64	105	0.14	-10.86	-5.76	-4.96	5.49	-282.68	-4002.64	-3987.46	-297.86	237.14
6	64	106	-1.17	-2.24	-1.24	-2.17	-0.27	-1680.41	-2165.70	-1721.00	-2125.12	-134.35
6	64	107	19.15	-21.74	15.53	-18.12	11.62	-1415.65	-9969.02	-7926.91	-3457.75	3646.46

6	64	108	15.42	-14.92	15.27	-14.78	-2.08	5581.54	1054.57	2901.59	3734.52	-2224.84
6	64	109	5.70	3.38	3.82	5.27	-0.91	2365.63	-2029.69	2354.92	-2018.98	-216.70
6	64	110	6.11	2.25	2.34	6.02	-0.59	2690.41	-1154.80	2659.89	-1124.27	-341.25
6	64	111	17.97	-42.07	17.71	-41.81	-3.96	281.96	-262.43	-48.26	67.79	-265.94
6	64	112	34.55	19.83	30.85	23.53	6.39	-203.08	-1461.19	-1252.31	-411.96	-468.15
6	64	113	-23.62	-42.53	-41.49	-24.66	-4.31	1988.04	-1235.62	-1045.26	1797.69	-759.88
6	64	115	-16.92	-29.76	-29.58	-17.10	1.48	-56.36	-161.83	-153.29	-64.90	-28.77
6	64	117	7.66	-4.21	1.13	2.32	-5.90	204.60	-357.51	-125.78	-27.12	-276.69
6	64	119	21.27	15.96	18.18	19.06	-2.62	-210.03	-1190.52	-1162.80	-237.74	-162.49
6	64	121	27.85	16.57	16.85	27.57	1.74	-166.60	-1091.33	-1088.23	-169.71	53.49
6	64	123	13.49	8.78	13.48	8.79	-0.28	160.36	-756.43	-482.49	-113.58	-419.65
6	64	125	8.36	-13.54	7.26	-12.44	-4.79	389.35	-303.22	-20.28	106.40	-340.44
6	64	127	8.54	-8.51	2.47	-2.44	-8.16	93.14	-96.04	12.24	-15.14	-93.59
6	64	129	10.63	-18.35	-17.38	9.66	-5.21	62.38	-164.00	-34.81	-66.80	-112.06
6	64	131	24.23	-1.28	-1.25	24.20	-0.80	-253.69	-1172.94	-1172.20	-254.43	-26.09
6	64	133	12.50	-3.50	-2.13	11.13	-4.48	-253.31	-1157.49	-1156.56	-254.24	-28.98
6	64	134	-0.15	-0.31	-0.25	-0.20	-7.48e-02	98.28	10.17	62.33	46.12	-43.30
6	64	135	13.55	-3.57	13.19	-3.21	-2.45	680.48	-2610.55	-2197.69	267.62	-1090.09
6	64	136	8.54	0.60	7.73	1.40	-2.40	591.64	-793.82	-154.43	-47.76	-690.68
6	64	137	2.65	-1.28e-02	2.06	0.58	-1.11	470.63	-558.06	-46.27	-41.16	-514.34
6	64	138	0.75	-1.64	-1.32	0.43	-0.81	408.22	-337.60	29.21	41.41	-372.86
6	64	139	0.58	-1.23	-1.02	0.36	-0.59	297.96	-206.46	47.84	43.66	-252.21
6	64	140	0.44	-1.10	-0.95	0.28	-0.46	204.23	-120.00	47.06	37.17	-162.04
6	64	141	6.00e-02	-1.10	-0.92	-0.12	-0.42	279.27	-23.45	231.84	23.98	-110.04
6	64	142	6.22e-02	-1.02	-0.83	-0.13	-0.41	420.62	-7.73	400.36	12.53	-90.92
6	64	143	0.19	-0.80	-0.67	5.52e-02	-0.35	361.83	-12.16	339.41	10.26	-88.78
6	64	144	0.16	-0.44	-0.40	0.11	-0.16	230.49	-12.14	203.44	14.91	-76.37
6	64	145	-0.14	-0.49	-0.19	-0.44	-0.13	216.14	-29.75	52.07	134.32	-115.86
6	64	146	-0.14	-1.09	-0.19	-1.03	-0.23	382.44	-105.83	51.66	224.95	-228.24
6	64	147	2.78	-0.24	0.17	2.37	-1.04	602.52	-135.33	177.77	289.42	-364.67
6	64	148	8.88	2.29	2.61	8.56	-1.40	909.78	-1583.27	89.23	-762.73	-1171.48
6	64	149	1.07	-1.85	0.83	-1.61	0.80	734.06	-1770.32	32.86	-1069.12	1124.45
6	64	150	-0.33	-2.50	-0.34	-2.49	0.14	765.96	-19.13	213.41	533.43	358.45
6	64	151	-0.34	-4.47	-0.34	-4.47	6.85e-02	700.89	28.38	68.04	661.23	158.43
6	64	152	-0.38	-6.44	-0.38	-6.44	7.50e-02	757.49	36.03	64.02	729.50	-139.32
6	64	153	-0.28	-8.83	-0.30	-8.82	-0.39	858.34	-7.09	162.54	688.71	-343.55
6	64	154	17.18	3.43	3.82	16.79	-2.26	822.49	-1288.54	-1.00	-465.05	-1029.70
6	64	155	1.22	-10.28	1.09	-10.15	1.22	666.86	-1920.65	-36.53	-1217.27	1151.20
6	64	156	-0.56	-12.42	-0.56	-12.42	0.23	1211.16	-51.45	187.45	972.26	494.53
6	64	157	-0.45	-12.96	-0.45	-12.96	-0.22	1432.23	11.32	86.81	1356.73	318.71
6	64	158	-0.75	-12.30	-0.76	-12.28	-0.38	1732.26	-6.60	94.02	1631.64	-406.01
6	64	159	-1.36	-12.32	-1.36	-12.32	-0.16	2075.70	-73.10	210.18	1792.43	-726.95
6	64	160	5.50	-16.45	4.16	-15.11	-5.25	4793.93	-335.31	464.30	3994.31	-1860.65
6	64	161	13.72	3.96	13.72	3.96	-5.77e-02	4283.92	-840.04	3272.92	170.96	-2039.17
6	64	162	3.24	-1.28	1.64	0.31	-2.16	2070.71	-2.53	1803.14	265.04	-695.07
6	64	163	-0.74	-9.85	-9.36	-1.23	-2.05	1389.34	17.72	1324.13	82.92	-291.87
6	64	164	-1.25	-15.19	-15.15	-1.29	-0.80	566.00	-14.49	555.71	-4.20	76.61
6	64	165	14.26	-21.04	-18.98	12.19	-8.28	237.22	-1340.57	-1078.94	-24.41	586.82
6	64	166	29.92	4.53	29.92	4.53	7.35e-02	1223.57	-355.90	944.80	-77.13	-602.16
6	64	167	8.90	-17.40	-9.62	1.13	-12.00	263.40	-693.42	-414.49	-15.53	-434.84
6	64	168	0.53	-58.42	-57.94	5.44e-02	-5.26	-62.12	-1076.15	-876.20	-262.07	-403.46
6	64	169	-6.54	-39.77	-39.18	-7.13	4.36	-349.41	-2245.62	-2180.09	-414.93	-346.35
6	64	170	5.69	0.28	5.67	0.30	0.33	1315.32	-1448.27	-225.11	92.16	-1372.66
6	64	171	5.02	-11.92	4.89	-11.78	-1.52	320.91	-1087.84	-348.43	-418.50	-703.51
6	64	172	20.86	0.63	8.96	12.53	-9.95	670.73	-755.05	-107.30	22.98	-709.91
6	64	173	18.98	6.58	6.93	18.64	2.04	-52.41	-613.44	-175.66	-490.19	232.28
6	64	174	12.41	7.05	7.32	12.15	-1.16	360.65	-312.30	-235.54	283.89	213.92
6	64	175	-0.58	-7.52	-0.91	-7.19	-1.47	1250.37	-368.09	-352.70	1234.98	-157.08
6	64	176	7.31	0.99	1.24	7.07	-1.22	258.18	-309.27	-211.34	160.25	-214.43
6	64	177	2.83	0.65	0.71	2.78	0.35	409.66	-310.23	-155.38	254.81	295.80
6	64	178	0.55	4.54e-02	0.52	7.80e-02	0.12	365.85	-314.90	-166.97	217.93	280.75
6	64	179	1.07	-0.66	1.07	-0.66	4.18e-02	196.16	-510.27	-362.83	48.73	287.08
6	64	180	-0.27	-2.94	-2.86	-0.35	-0.46	1729.08	-637.58	-86.55	1178.04	1000.24
6	64	181	-1.32	-8.12	-1.94	-7.50	-1.96	1052.66	-806.56	-210.07	456.17	-867.88
6	64	182	-0.18	-6.20	-0.61	-5.77	-1.55	346.39	-796.17	-429.05	-20.73	-533.55
6	64	183	0.46	-5.81	0.45	-5.80	0.25	54.81	-435.80	-432.99	52.00	-37.07
6	64	184	-4.55	-12.11	-5.27	-11.39	-2.21	1392.78	-268.38	241.40	883.00	766.13
6	64	185	-0.60	-4.83	-0.73	-4.69	-0.75	815.60	-598.89	-187.40	404.11	-642.43
6	64	186	3.09e-02	-1.52	-0.22	-1.27	0.57	579.37	-121.25	-78.63	536.75	167.47
6	64	187	0.22	-0.23	0.20	-0.21	9.86e-02	403.47	-114.54	13.60	275.33	223.51
6	64	188	3.69	-1.13	0.45	2.11	-2.27	493.18	-184.45	18.07	290.65	310.19
6	64	189	5.60	-1.00	1.41	3.19	-3.18	226.39	-37.03	76.85	112.51	-130.50
6	64	190	13.42	-3.07	10.09	0.26	-6.62	609.40	-1015.27	-260.88	-144.99	-810.27
6	64	191	-0.15	-7.31	-0.52	-6.94	-1.58	1606.06	362.66	606.63	1362.09	-493.80
6	64	192	-0.72	-7.94	-0.77	-7.89	-0.61	1164.13	450.22	556.93	1057.42	254.54
6	64	193	-0.95	-8.30	-1.10	-8.15	1.05	982.79	-47.73	605.81	329.25	496.36
6	64	194	-0.63	-6.09	-0.74	-5.98	-0.78	955.14	72.81	446.25	581.70	-435.93

6	64	195	-0.40	-4.74	-0.52	-4.62	-0.71	667.17	233.03	350.10	550.10	-192.66
6	64	196	-0.42	-3.37	-0.45	-3.35	0.27	567.11	284.51	340.86	510.75	112.91
6	64	197	-0.14	-2.70	-0.42	-2.42	0.80	591.90	-133.11	430.73	28.05	301.45
6	64	198	3.69	-0.79	-0.43	3.33	-1.23	578.20	-375.12	339.87	-136.80	-412.79
6	64	199	0.56	-1.32	-0.85	9.75e-02	-0.81	434.22	-4.62	406.68	22.93	-106.44
6	64	200	0.29	-1.57	-1.06	-0.22	-0.83	289.05	4.08	243.05	50.08	-104.84
6	64	201	0.95	-1.62	-1.26	0.59	-0.89	249.42	-92.12	50.93	106.37	-168.51
6	64	202	1.21	-1.96	-1.53	0.78	-1.08	403.32	-218.43	21.27	163.62	-302.62
6	64	203	1.38	-2.53	-1.98	0.83	-1.36	600.41	-395.60	-4.09	208.90	-486.49
6	64	204	1.32	-3.41	-2.79	0.70	-1.59	723.77	-659.75	-55.29	119.31	-686.23
6	64	205	7.77	-7.75	7.60	-7.59	1.60	465.82	94.44	144.47	415.78	-126.80
6	64	206	11.24	-6.36	4.27	0.61	-8.61	744.62	-639.61	-43.59	148.60	-685.41
6	64	207	15.13	2.35	14.95	2.53	1.51	943.98	-21.42	642.56	280.00	-447.37
6	64	208	13.85	-7.25	12.72	-6.12	4.75	363.29	-1108.00	-654.45	-90.26	-679.41
6	64	209	7.15	0.53	3.37	4.31	-3.28	188.51	-363.84	178.56	-353.89	73.46
6	64	210	8.63	-2.89	8.44	-2.70	-1.48	381.28	-228.44	285.06	-132.22	-222.28
6	64	211	2.68	-7.04	2.47	-6.83	-1.42	1000.17	-374.18	666.56	-40.57	-589.24
6	64	212	-0.61	-4.74	-4.08	-1.27	-1.51	758.62	-1064.44	-441.30	135.48	-864.70
6	64	213	-1.06	-5.46	-1.14	-5.38	-0.59	356.55	-325.57	-234.05	265.03	-232.49
6	64	214	2.41	-0.53	-0.33	2.21	-0.74	443.12	-113.92	229.55	99.65	-270.84
6	64	215	1.05	-0.90	-0.60	0.76	-0.70	400.49	-33.73	349.74	17.02	-139.50
6	64	216	1.31	-7.63	1.10	-7.42	1.35	1155.73	-505.19	923.60	-273.06	575.91
6	64	217	-0.51	-4.27	-3.66	-1.12	1.38	530.28	-338.80	-338.66	530.14	-11.00
6	64	218	0.80	-0.87	0.52	-0.60	0.62	809.60	-527.81	721.89	-440.10	331.09
6	64	219	-1.86	-4.67	-1.86	-4.67	-3.45e-02	767.69	-433.89	-305.27	639.07	-371.49
6	64	220	4.41	1.18	1.62	3.97	-1.11	769.12	-562.52	535.71	-329.12	-506.29
6	64	221	1.18	-14.10	-11.47	-1.45	-5.77	402.47	227.63	384.89	245.22	-52.58
6	64	222	0.52	-3.52	-1.13	-1.88	-1.99	2295.94	224.91	728.46	1792.40	-888.42
6	64	223	3.08	-8.37	-4.76	-0.53	-5.32	1368.44	249.26	1162.20	455.50	-433.92
6	64	224	4.70	2.02	4.07	2.65	-1.13	26.94	-648.46	-18.99	-602.53	-170.03
6	64	225	2.92	-3.83	2.31	-3.22	-1.95	2230.89	-458.05	2124.81	-351.96	-523.45
6	64	226	-2.23	-8.28	-4.80	-5.71	-2.99	-413.51	-1856.39	-1797.23	-472.66	-286.10
6	64	227	4.43	0.88	1.71	3.60	-1.51	2285.53	-403.16	2170.06	-287.70	-545.08
6	64	228	3.15	-5.42	-1.97	-0.30	-4.20	2175.18	174.46	1669.63	680.01	-869.41
6	64	231	-3.77	-5.06	-4.79	-4.04	-0.53	386.02	-782.78	-617.94	221.18	-406.81
6	64	232	1.13	-0.43	-0.32	1.02	-0.39	305.39	-45.31	200.54	59.54	-160.56
6	64	233	3.45	-0.17	0.90	2.39	-1.65	2620.59	-339.23	1208.48	1072.88	-1478.36
6	64	234	10.54	-23.49	-21.44	8.49	-8.09	450.55	-402.00	-401.07	449.62	28.12
6	64	235	1.60	-2.26	-1.51	0.85	-1.53	174.97	-43.96	-0.65	131.67	-87.21
6	64	236	2.49	-2.60	-1.79	1.69	-1.85	359.56	-252.73	-108.19	215.01	-260.02
6	64	237	-0.81	-2.20	-0.86	-2.14	0.26	562.87	386.31	562.26	386.91	-10.30
6	64	238	1.02	-2.42e-02	2.77e-03	1.00	0.17	370.25	-103.74	9.40	257.11	202.06
6	64	239	0.19	-3.68	-1.00	-2.49	-1.78	634.20	337.82	561.80	410.22	-127.35
6	64	240	3.97	-2.10	0.78	1.09	-3.03	443.61	-67.25	71.29	305.07	227.11
6	64	241	2.78	-3.27	-2.15	1.67	-2.34	490.41	-492.91	-133.89	131.38	-473.43
6	64	242	-1.91	-4.95	-2.31	-4.55	-1.03	1029.12	660.11	934.35	754.88	161.22
6	64	243	1.15	-2.04	-1.26	0.37	-1.37	256.59	63.87	254.97	65.49	-17.58
6	64	244	5.40	-2.38	2.00	1.02	-3.86	247.18	20.99	120.00	148.17	-112.22
6	64	245	0.27	-4.20	-1.09	-2.83	-2.06	713.89	257.05	649.74	321.20	-158.71
6	64	246	1.66	-1.31	-0.68	1.02	1.22	409.98	-4.01	46.70	359.27	135.72
6	64	247	0.14	-2.87	-0.86	-1.86	1.42	699.11	117.97	696.24	120.84	40.70
6	64	248	-1.30	-5.91	-2.26	-4.95	1.87	1095.28	255.67	1000.80	350.15	265.33
6	64	249	11.07	-12.83	10.22	-11.98	-4.43	270.20	-317.12	216.10	-263.03	-169.84
6	64	250	2.31	-3.63	-2.45	1.14	-2.37	677.78	-654.49	-151.93	175.22	-645.74
6	64	251	1.41	-1.74	-0.99	0.65	-1.35	466.62	-2.57	458.36	5.69	-61.71
6	64	252	5.52	-4.29	3.46	-2.23	-3.99	201.65	-177.37	185.47	-161.19	-76.62
6	64	253	11.52	-24.12	10.02	-22.62	-7.16	482.28	52.73	266.42	268.59	-214.77
6	64	254	2.67	-1.44	-0.72	1.94	-1.56	611.23	-126.34	549.36	-64.46	-204.47
6	64	255	2.48	-1.71	0.30	0.48	-2.09	1061.05	133.14	1036.00	158.19	-150.38
6	64	256	1.96	-1.76	0.15	4.46e-02	1.86	1277.93	78.90	1242.06	114.77	204.26
6	64	257	2.41	-0.76	0.21	1.44	-1.46	828.53	-121.20	783.97	-76.65	-200.82
6	64	258	-9.17e-02	-2.25	-2.24	-0.11	0.20	141.60	-355.16	-354.30	140.73	20.71
6	64	259	1.40	-0.96	-0.36	0.80	1.02	1019.88	-57.20	1010.32	-47.63	-101.04
6	64	260	-0.35	-4.17	-1.58	-2.94	-1.79	833.28	-515.36	-181.19	499.11	-582.24
6	64	261	6.15	-6.51	5.13	-5.48	-3.45	313.17	-339.22	295.54	-321.59	-105.80
6	64	262	1.39	-0.76	0.27	0.37	-1.07	1147.15	37.67	1138.15	46.67	99.52
6	64	263	2.70	-5.68	0.42	-3.39	-3.73	1373.26	693.01	1014.30	1051.97	-339.60
6	64	264	-0.37	-3.33	-2.65	-1.05	-1.25	226.47	-137.90	-91.40	179.97	-121.57
6	64	265	-0.74	-3.56	-2.24	-2.06	-1.41	305.89	-664.08	-458.55	100.36	-396.38
6	64	266	0.91	-2.54e-02	0.10	0.78	-0.32	786.57	-109.21	761.69	-84.32	-147.21
6	64	268	6.64	-7.24	0.88	-1.48	-6.84	1163.42	507.01	950.32	720.11	-307.36
6	64	270	16.09	0.13	8.73	7.49	-7.96	376.46	-353.56	-305.42	328.32	-181.19
6	64	271	8.95	-2.97	5.68	0.30	-5.32	546.51	276.22	369.48	453.25	-128.49
6	64	272	-0.68	-3.94	-2.25	-2.37	-1.63	981.82	-704.30	-206.57	484.09	-769.09
6	64	273	2.01	-1.25	-0.67	1.43	-1.25	476.29	-99.74	409.91	-33.36	-183.93
6	64	274	3.66	-6.13	-1.05	-1.42	-4.89	1655.17	599.14	1191.90	1062.41	-524.03
6	64	275	4.43	-3.34	-1.93	3.02	-3.00	164.92	-451.83	-396.55	109.63	-176.18

6	64	276	0.46	-2.74	-1.57	-0.71	-1.54	531.07	372.62	529.40	374.29	-16.20
6	64	277	-0.74	-1.51	-1.37	-0.87	0.29	558.55	314.10	527.49	345.16	-81.42
6	64	278	0.24	-4.48e-02	0.21	-1.70e-02	8.39e-02	322.67	-185.56	-129.92	267.02	158.69
6	64	279	3.41	-2.12	1.12	0.16	-2.72	404.48	-97.74	-54.08	360.82	141.49
6	64	280	2.80	-2.47	-1.70	2.04	-1.86	8.71	-199.62	-195.79	4.88	27.98
6	64	281	4.94	-2.36	2.09	0.49	-3.56	310.64	-78.71	45.07	186.86	-181.31
6	64	282	4.09	-3.77	-2.18	2.50	-3.15	341.43	-647.16	-265.90	-39.83	-481.20
6	64	283	1.50	-2.63	-1.59	0.45	-1.80	635.03	303.32	621.40	316.96	65.86
6	64	284	1.22	-2.31	-1.49	0.40	-1.49	181.45	-135.58	142.49	-96.62	104.08
6	64	285	0.60	-2.59	-0.40	-1.59	1.48	138.55	-246.05	-77.75	-29.75	190.79
6	64	286	4.79e-02	-2.53	-1.48	-1.00	1.27	636.50	144.82	613.92	167.41	-102.94
6	64	287	2.60	-4.92	-4.03	1.71	2.43	990.55	275.50	982.30	283.75	76.37
6	64	288	8.82	-5.04	5.51	-1.73	-5.90	224.71	-339.27	202.81	-317.36	-108.96
6	64	289	2.22	-2.12	-1.38	1.48	-1.63	944.74	52.43	923.26	73.91	136.78
6	64	290	0.16	-4.70	-4.26	-0.28	1.39	967.17	501.34	943.10	525.41	-103.12
6	64	291	5.87	-4.11	3.07	-1.31	-4.49	249.60	-200.48	182.47	-133.35	-160.34
6	64	292	0.66	-1.31	-1.27	0.63	-0.26	657.63	-212.01	650.46	-204.84	-78.65
6	64	293	0.82	-1.65	-9.80e-02	-0.73	-1.19	85.96	-208.04	-111.91	-10.17	-137.92
6	64	294	2.18	-2.22	-1.13	1.09	-1.90	765.07	158.68	746.01	177.74	105.79
6	64	295	12.60	-8.80	8.87	-5.07	-8.12	198.24	-279.77	189.97	-271.49	-62.33
6	64	296	0.25	-1.42	-0.22	-0.95	0.75	103.54	-114.32	78.97	-89.75	68.91
6	64	297	2.99	-3.96	-2.79	1.82	2.60	1001.42	101.32	982.00	120.74	130.79
6	64	298	0.19	-2.24	-1.86	-0.20	0.89	739.68	-88.32	725.93	-74.57	-105.81
6	64	299	2.92	-2.76	6.40e-02	0.10	-2.84	425.38	-338.27	22.44	64.67	-381.24
6	64	300	1.20	-1.81	-1.11	0.51	-1.27	652.24	-158.27	652.02	-158.04	-13.42
6	64	301	6.74	-1.14	5.60	-1.48e-04	2.78	435.96	158.03	335.98	258.02	-133.39
6	64	302	15.49	7.32	15.49	7.32	0.14	54.58	-392.61	-365.84	27.82	-106.07
6	64	303	1.29	-2.05	-1.11	0.35	-1.50	564.72	-67.17	564.71	-67.16	-2.41
6	64	304	2.72	-3.78	-2.13	1.07	-2.83	578.20	-583.45	-170.70	165.45	-555.98
6	64	305	12.35	-10.79	7.56	-6.01	-9.37	233.23	84.56	133.59	184.20	-69.89
6	64	306	4.46	-3.53	3.02	-2.10	-3.07	1018.27	605.65	900.62	723.30	-186.29
6	64	307	-0.87	-2.63	-2.09	-1.42	-0.81	433.30	330.04	339.53	423.81	29.84
6	64	308	2.10	-3.38	1.32	-2.60	-1.91	450.36	-133.40	-130.21	447.16	-43.04
6	64	309	-0.78	-2.08	-1.90	-0.97	0.45	453.18	227.96	292.65	388.49	-101.90
6	64	310	-1.14	-2.88	-1.14	-2.88	9.13e-02	363.48	-243.74	-220.41	340.15	116.71
6	64	311	8.69	-5.58	5.41	-2.30	-6.00	407.92	-167.89	287.37	-47.34	-234.27
6	64	312	3.51	-3.29	-2.97	3.20	-1.44	512.13	-122.67	450.24	-60.77	188.31
6	64	313	3.66	-1.87	1.73	6.75e-02	-2.64	337.58	-199.39	-141.65	279.84	-166.34
6	64	314	6.64	-2.67	-1.19	5.15	-3.41	-124.64	-1294.19	-803.09	-615.73	-577.22
6	64	315	4.99	-0.60	3.35	1.05	-2.55	918.27	-440.66	811.92	-334.31	-364.99
6	64	316	1.12	-2.63	-2.05	0.54	-1.35	544.35	187.64	379.39	352.60	177.85
6	64	317	1.84	-4.12	-3.97	1.69	-0.93	-158.23	-825.43	-293.20	-690.46	268.02
6	64	318	0.97	-3.21	-3.21	0.97	-4.84e-02	545.45	-359.66	544.13	-358.35	-34.47
6	64	319	15.77	2.00	9.49	8.27	-6.86	88.58	64.33	67.97	84.94	8.66
6	64	320	-1.19	-4.30	-1.76	-3.74	1.20	96.75	-507.82	-333.11	-77.96	274.05
6	64	321	0.21	-2.54	-1.76	-0.58	1.24	384.48	-31.49	252.13	100.86	-193.74
6	64	322	2.72	-7.64	-6.38	1.46	3.39	601.56	53.73	600.99	54.31	-17.78
6	64	323	6.37	-1.98	1.71	2.68	-4.14	19.32	-556.22	-318.73	-218.16	-283.34
6	64	324	0.67	-4.13	0.55	-4.00	0.77	-171.15	-764.80	-609.68	-326.27	260.82
6	64	325	0.82	-3.33	-3.12	0.61	0.91	258.00	-342.74	203.28	-288.02	-172.85
6	64	326	2.83	-4.50	-4.45	2.78	-0.59	581.55	-91.71	570.99	-81.16	83.62
6	64	327	2.51	-2.36	-1.66	1.81	-1.71	486.50	14.95	355.57	145.87	211.18
6	64	328	14.16	-8.09	9.39	-3.31	-9.13	-88.68	-163.80	-94.20	-158.27	-19.61
6	64	329	11.56	-23.33	-21.21	9.44	8.33	-160.42	-762.68	-758.65	-164.45	49.07
6	64	330	1.12	-2.85	-2.65	0.92	-0.87	222.41	-339.08	204.90	-321.57	97.59
6	64	331	5.80	-0.39	2.46	2.95	-3.08	55.25	-798.79	-429.92	-313.62	-423.04
6	64	332	2.53	-9.44	-7.48	0.57	4.43	585.06	161.42	566.76	179.72	-86.11
6	64	333	14.94	-12.45	-11.15	13.65	5.81	-259.90	-874.39	-873.54	-260.75	-22.77
6	64	334	-1.48	-2.54	-2.32	-1.70	0.43	485.45	-17.33	2.90	465.22	-98.81
6	64	335	-0.27	-2.87	-0.68	-2.46	-0.95	549.68	-135.74	-126.02	539.96	-81.05
6	64	336	-2.04	-2.63	-2.49	-2.18	-0.25	498.57	63.40	64.02	497.95	-16.39
6	64	337	-2.29	-2.72	-2.49	-2.52	0.22	532.06	-225.29	-220.36	527.13	60.93
6	64	338	-0.38	-3.63	-1.54	-2.46	-1.56	493.28	-220.40	-218.16	491.03	-39.97
6	64	339	-1.60	-3.92	-2.41	-3.11	-1.11	472.33	-1.57	12.88	457.87	81.50
6	64	340	-0.49	-3.16	-2.10	-1.55	1.31	121.82	-244.10	-183.43	61.15	-136.09
6	64	341	-1.01	-4.20	-2.22	-2.98	1.55	323.37	-434.19	-433.36	322.54	25.11
6	64	342	-1.03	-6.24	-2.12	-5.15	2.12	-541.63	-1368.15	-976.75	-933.02	412.68
6	64	343	-0.74	-4.34	-4.03	-1.04	1.00	-99.60	-802.19	-350.41	-551.39	-336.61
6	64	344	0.86	-4.29	-1.45	-1.98	-2.56	53.55	-695.28	-682.17	40.43	-98.23
6	64	345	2.57	-3.12	-2.25	1.69	-2.05	172.17	-347.28	-137.35	-37.76	254.91
6	64	346	-1.20e-03	-6.03	-5.84	-0.19	1.05	-1012.95	-1098.93	-1092.15	-1019.72	23.16
6	64	347	7.97	-5.88	-5.86	7.95	-0.48	-42.75	-279.68	-44.88	-277.55	22.38
6	64	348	5.38	-9.21	-7.36	3.53	4.85	93.68	-57.25	21.98	14.45	-75.37
6	64	349	13.12	-9.08	-8.87	12.90	-2.18	-437.07	-1049.14	-1026.48	-459.73	-115.56
6	64	350	8.96	-4.83	-4.45	8.58	-2.25	-261.46	-597.58	-356.55	-502.48	151.39
6	64	351	7.52	-10.44	-9.03	6.10	4.83	-32.15	-111.46	-32.17	-111.44	-1.23
6	94	99	16.39	-5.31	16.38	-5.31	-0.35	3696.92	-514.63	3087.04	95.25	1482.09

6	94	100	8.06	-2.18	-0.17	6.05	4.07	973.30	-1572.24	-785.45	186.51	1176.33
6	94	101	-5.05	-9.87	-9.31	-5.62	1.55	-933.10	-1469.59	-1018.42	-1384.27	196.20
6	94	102	17.77	-19.81	17.56	-19.60	-2.81	310.96	72.78	229.94	153.80	112.84
6	94	103	2.84	-9.53	0.45	-7.14	-4.88	1472.08	-1468.63	1450.66	-1447.21	-250.06
6	94	104	9.20	-2.24	-0.31	7.27	4.29	-548.30	-1211.05	-790.39	-968.96	319.12
6	94	105	7.48	-6.93	2.01	-1.46	6.99	1047.81	-2511.26	962.21	-2425.65	545.29
6	94	106	0.26	-0.34	-0.32	0.24	-0.11	-1024.72	-1503.22	-1026.41	-1501.53	-28.36
6	94	107	3.39	-12.60	-5.79	-3.43	7.91	-119.15	-3000.60	-968.47	-2151.28	1313.75
6	94	108	5.05	-8.11	-8.01	4.96	1.09	-871.18	-3464.59	-3412.26	-923.52	364.66
6	94	109	-0.53	-3.83	-0.53	-3.83	5.12e-02	-855.85	-1293.73	-890.08	-1259.50	-117.54
6	94	110	-0.38	-1.32	-1.31	-0.39	-0.11	-814.01	-1229.46	-1169.55	-873.93	-145.95
6	94	111	-1.33	-15.13	-7.73	-8.73	6.88	494.62	-392.03	494.42	-391.83	-13.18
6	94	112	19.48	2.64	18.93	3.19	-2.99	1065.77	119.41	1005.24	179.94	231.56
6	94	113	19.68	0.97	4.40	16.25	7.25	1077.72	53.62	251.02	880.32	403.97
6	94	115	1.09	-11.05	-2.13	-7.83	5.36	763.76	-143.33	160.40	460.03	-428.08
6	94	117	6.06	-5.26	5.49	-4.69	-2.46	222.97	-24.57	209.45	-11.06	-56.24
6	94	119	1.22	-2.97	0.55	-2.31	1.53	315.71	158.50	309.21	165.00	31.31
6	94	121	-6.79	-14.72	-8.44	-13.07	-3.22	348.60	162.90	348.58	162.92	1.90
6	94	123	-4.10	-13.25	-13.21	-4.14	0.59	524.64	113.57	451.44	186.77	157.27
6	94	125	-3.94	-15.48	-8.67	-10.75	5.68	465.67	65.83	435.88	95.62	104.99
6	94	127	10.00	-4.37	0.77	4.87	6.89	60.15	-365.52	38.87	-344.24	92.77
6	94	129	10.35	-5.13	5.20	2.18e-02	7.29	206.24	-201.08	78.18	-73.02	189.11
6	94	131	2.74	-13.45	2.72	-13.43	0.56	186.37	-184.76	-61.60	63.20	174.76
6	94	133	2.46	-5.96	0.49	-3.99	3.57	51.97	-379.18	-236.63	-90.59	202.83
6	94	134	0.18	0.13	0.13	0.18	1.24e-02	-13.08	-70.01	-47.33	-35.77	27.88
6	94	135	0.46	-3.80	-2.42	-0.92	-2.00	1879.45	284.63	1738.01	426.06	-453.39
6	94	136	0.90	-0.67	-0.63	0.86	-0.25	881.02	19.02	879.77	20.27	-32.85
6	94	137	0.62	8.79e-02	0.62	9.05e-02	3.75e-02	815.15	-35.63	813.54	-34.02	37.00
6	94	138	1.62	8.38e-03	1.62	9.61e-03	4.45e-02	635.93	-33.02	629.95	-27.04	62.97
6	94	139	1.48	-1.05e-02	1.48	-9.89e-03	2.99e-02	468.92	-48.96	459.50	-39.54	69.19
6	94	140	1.29	0.10	1.29	0.10	2.20e-02	363.83	-37.80	354.22	-28.19	61.36
6	94	141	1.08	9.29e-02	1.07	9.34e-02	2.14e-02	249.28	-23.25	241.40	-15.37	45.65
6	94	142	0.84	9.81e-02	0.84	9.88e-02	2.27e-02	141.27	-12.07	135.62	-6.43	28.87
6	94	143	0.58	0.13	0.58	0.13	2.01e-02	84.26	-7.54	80.53	-3.82	18.11
6	94	144	0.28	0.17	0.28	0.17	-4.32e-03	35.14	-15.71	32.20	-12.77	11.87
6	94	145	0.40	0.13	0.13	0.40	2.38e-03	17.33	-52.71	-51.66	16.28	8.51
6	94	146	0.93	0.15	0.15	0.93	-1.92e-02	27.85	-60.60	-57.78	25.03	15.55
6	94	147	1.61	0.21	0.21	1.61	7.44e-02	-35.63	-95.82	-92.69	-38.75	13.36
6	94	148	0.39	-0.42	-0.39	0.36	0.16	329.26	16.47	28.98	316.75	61.28
6	94	149	1.17	-0.69	-0.56	1.04	-0.47	49.38	-30.85	35.92	-17.39	-29.98
6	94	150	2.31	0.14	0.18	2.27	-0.28	92.97	-89.35	-79.29	82.90	41.64
6	94	151	3.04	0.22	0.23	3.03	-0.17	238.32	-65.52	-65.07	237.87	11.69
6	94	152	3.39	0.32	0.33	3.39	-0.15	300.08	-68.13	-67.71	299.66	-12.46
6	94	153	3.63	0.31	0.32	3.62	0.14	224.50	-115.16	-98.49	207.83	-73.38
6	94	154	-0.13	-1.27	-0.70	-0.70	0.57	477.22	-54.83	-52.56	474.95	-34.70
6	94	155	0.47	-1.08	-0.15	-0.46	-0.76	169.69	-56.56	-46.96	160.09	45.61
6	94	156	2.60	1.34e-02	2.62e-02	2.59	-0.18	450.88	-137.61	-119.71	432.98	101.06
6	94	157	3.29	0.26	0.26	3.28	9.55e-02	776.54	-109.43	-107.99	775.10	35.67
6	94	158	3.98	0.58	0.61	3.95	0.31	943.47	-118.32	-118.24	943.38	9.50
6	94	159	5.39	0.94	0.98	5.36	0.39	947.72	-258.91	-254.86	943.67	-69.78
6	94	160	7.81	0.35	1.09	7.08	2.23	1777.68	-122.75	-101.13	1756.07	201.52
6	94	161	-1.42	-7.94	-7.89	-1.48	-0.60	474.65	-1153.04	-613.04	-65.35	-766.39
6	94	162	0.57	-3.12	-2.42	-0.13	1.45	1106.18	-145.86	1001.46	-41.14	-346.62
6	94	163	2.75	-0.55	2.08	0.12	1.33	1213.06	-90.26	1153.82	-31.01	-271.50
6	94	164	2.73	-0.67	2.18	-0.12	1.25	1216.48	3.58	1211.07	8.99	-80.82
6	94	165	3.73	-6.49	-0.44	-2.33	5.02	1751.98	11.88	1741.51	22.34	134.55
6	94	166	8.14	-3.44	7.66	-2.97	-2.30	549.11	-879.31	-395.71	65.52	-675.95
6	94	167	11.29	-2.22	9.09	-1.77e-02	-4.99	605.81	35.93	579.38	62.36	-119.85
6	94	168	0.76	-3.61	-0.44	-2.41	1.95	964.68	209.88	899.32	275.24	212.28
6	94	169	15.79	6.52	15.05	7.26	2.51	2383.00	163.10	2317.22	228.88	376.42
6	94	170	-4.10	-8.60	-4.29	-8.41	0.91	1489.74	-881.41	156.33	452.00	1176.32
6	94	171	1.42e-02	-4.05	-4.01	-2.54e-02	0.40	1038.73	143.16	278.09	903.81	320.36
6	94	172	3.06	-3.27	-2.61	2.40	1.93	290.73	249.33	263.35	276.71	19.60
6	94	173	-2.35	-5.18	-2.62	-4.91	-0.83	208.81	171.87	176.64	204.04	-12.39
6	94	174	-1.01	-6.32	-1.26	-6.07	1.13	146.93	-388.28	-167.01	-74.34	-263.56
6	94	175	-1.89	-9.62	-1.90	-9.61	-0.26	868.08	-534.36	-158.20	491.92	621.32
6	94	176	0.14	-7.79	7.82e-02	-7.72	0.71	1121.25	-21.10	29.99	1070.16	236.13
6	94	177	-5.79e-02	-7.35	-7.14e-02	-7.33	0.31	1158.94	46.01	46.12	1158.83	-10.92
6	94	178	-0.13	-7.37	-0.14	-7.36	0.30	1088.39	-19.48	54.57	1014.35	-276.67
6	94	179	0.29	-8.36	0.29	-8.36	5.86e-02	1023.15	-189.39	112.07	721.69	-524.08
6	94	180	-2.11	-12.62	-2.18	-12.55	-0.85	788.83	-1269.11	75.02	-555.31	-979.51
6	94	181	8.75	4.78	5.07	8.46	1.03	820.03	-841.42	20.48	-41.87	830.14
6	94	182	2.49	-0.26	-0.13	2.36	0.58	787.07	-51.12	69.66	666.29	294.37
6	94	183	0.82	-0.81	0.82	-0.81	-3.82e-02	791.64	74.59	101.78	764.45	-136.95
6	94	184	-1.40	-2.63	-1.45	-2.59	-0.23	1468.53	-278.67	485.94	703.92	-866.77
6	94	185	3.09	-0.63	0.98	1.49	1.84	604.71	207.18	478.04	333.85	185.23
6	94	186	-0.66	-6.29	-0.71	-6.24	0.52	963.01	-152.42	458.76	351.83	-555.15

6	94	187	-0.32	-5.57	-0.33	-5.57	0.16	959.57	233.23	369.50	823.30	-283.57
6	94	188	-0.23	-5.53	-0.24	-5.53	-0.17	955.26	358.81	359.16	954.91	14.48
6	94	189	-0.13	-5.88	-0.21	-5.80	-0.67	1002.32	253.19	404.75	850.75	300.95
6	94	190	2.96	-8.41	-5.93	0.47	-4.70	669.68	267.13	485.80	451.01	200.52
6	94	191	1.65	0.30	0.30	1.65	8.32e-03	867.63	234.90	269.79	832.73	-144.44
6	94	192	1.68	0.29	0.29	1.68	3.36e-02	695.82	251.83	251.83	695.82	0.44
6	94	193	1.80	0.31	0.33	1.77	-0.20	559.00	164.75	230.05	493.71	146.56
6	94	194	2.69	1.18e-02	0.34	2.36	0.88	356.74	10.77	147.08	220.43	-169.05
6	94	195	2.37	0.14	0.25	2.26	0.49	301.02	90.55	126.60	264.97	-79.30
6	94	196	2.01	0.18	0.18	2.00	7.04e-02	223.07	119.17	119.59	222.66	6.59
6	94	197	1.79	-1.52e-02	2.84e-02	1.74	-0.28	190.95	78.36	99.24	170.06	43.76
6	94	198	1.10	0.15	0.15	1.10	5.82e-02	108.87	-38.18	28.82	41.88	-73.23
6	94	199	0.68	0.19	0.67	0.19	4.87e-03	157.11	-8.73	156.99	-8.61	4.46
6	94	200	0.86	0.18	0.86	0.18	5.49e-04	248.91	-12.51	245.52	-9.11	29.60
6	94	201	1.02	9.89e-02	1.02	9.92e-02	1.55e-02	339.98	9.68	334.52	15.14	42.11
6	94	202	1.17	-8.67e-02	1.16	-8.06e-02	8.76e-02	426.85	49.88	425.87	50.86	19.19
6	94	203	1.32	-0.15	1.27	-0.11	0.25	585.02	84.50	582.44	87.09	-35.87
6	94	204	1.48	-0.30	1.32	-0.14	0.50	763.00	143.57	745.56	161.01	-102.46
6	94	205	-1.63	-7.76	-2.86	-6.52	2.46	386.29	-122.44	384.43	-120.58	-30.75
6	94	206	-3.62	-7.02	-6.88	-3.76	0.67	449.94	24.96	388.39	86.50	-149.56
6	94	207	3.30	-9.10	-5.35	-0.44	5.69	394.47	-422.00	390.54	-418.07	56.50
6	94	208	3.19	-3.38	3.19	-3.37	0.17	1166.81	11.18	862.36	315.63	509.06
6	94	209	-0.60	-5.34	-0.80	-5.14	-0.96	973.16	-101.74	614.51	256.91	506.83
6	94	210	7.95e-02	-3.79	1.02e-02	-3.72	0.51	756.93	-92.23	655.15	9.55	-275.80
6	94	211	2.58	-0.42	-0.17	2.34	0.82	351.31	-317.31	172.44	-138.44	-295.97
6	94	212	0.71	-1.39	-0.36	-0.32	1.05	892.73	119.10	839.59	172.24	-195.67
6	94	213	2.11	-1.20	0.26	0.65	1.64	748.02	182.58	429.44	501.15	-280.44
6	94	214	0.73	0.22	0.22	0.73	-3.46e-03	78.43	-26.74	40.04	11.66	-50.64
6	94	215	0.47	0.25	0.47	0.25	-2.13e-02	98.11	-0.87	95.81	1.43	-14.91
6	94	216	1.68	-0.33	-0.31	1.66	0.19	496.33	-221.63	292.16	-17.46	323.88
6	94	217	-1.51	-5.57	-1.68	-5.40	0.80	1012.63	-706.21	673.51	-367.09	-684.03
6	94	218	1.45	-0.64	-0.56	1.37	-0.40	173.86	-200.71	105.61	-132.46	144.58
6	94	219	4.63	-0.33	3.56	0.74	2.04	808.77	-422.12	635.41	-248.76	428.18
6	94	220	1.36	-0.33	-0.32	1.34	0.15	82.83	-305.85	-31.11	-191.91	-176.93
6	94	221	4.67	-2.26e-02	4.57	8.13e-02	0.69	1179.38	253.07	1157.11	275.34	-141.89
6	94	222	0.75	-0.16	0.42	0.17	0.44	935.04	74.75	223.53	786.26	-325.36
6	94	223	1.51	-0.56	1.09	-0.14	0.83	1161.12	123.78	1016.05	268.85	-359.78
6	94	224	0.66	-5.75	-0.58	-4.51	2.53	1114.74	-139.49	1055.87	-80.61	265.29
6	94	225	-0.18	-1.04	-0.72	-0.50	0.42	137.28	-534.37	130.36	-527.45	-67.84
6	94	226	1.07	-2.10	1.07	-2.10	3.95e-02	1531.12	-590.71	1530.55	-590.13	-34.99
6	94	227	1.30	-0.68	-0.65	1.28	-0.21	-93.35	-499.13	-110.21	-482.27	-80.97
6	94	228	0.79	-0.72	0.12	-4.25e-02	0.75	1018.75	-155.96	534.73	328.06	-578.20
6	94	231	1.22	-2.41	-1.03	-0.16	1.76	667.26	-271.04	340.59	55.63	-446.99
6	94	232	0.35	0.24	0.24	0.35	-1.45e-02	53.27	-7.10	35.09	11.08	-27.70
6	94	233	-0.34	-0.86	-0.66	-0.54	0.25	1158.90	-452.89	170.13	535.88	-784.88
6	94	234	7.81	-0.54	7.77	-0.50	0.58	943.84	144.44	938.55	149.73	64.81
6	94	235	0.86	1.89e-02	0.84	3.31e-02	0.11	327.65	-14.98	310.99	1.68	73.69
6	94	236	1.00	-0.29	0.97	-0.25	0.22	367.69	59.03	356.28	70.44	58.25
6	94	237	1.50	0.16	0.18	1.48	0.20	241.71	184.99	241.29	185.42	-4.89
6	94	238	-0.84	-3.55	-0.85	-3.53	0.17	791.39	413.68	579.21	625.86	-187.41
6	94	239	2.00	-0.21	0.32	1.47	0.94	298.72	191.20	262.22	227.70	-50.91
6	94	240	-0.65	-3.63	-0.66	-3.62	-0.18	763.99	552.15	562.23	753.91	45.09
6	94	241	1.24	-0.53	1.10	-0.39	0.48	498.51	154.11	498.12	154.50	-11.61
6	94	242	0.97	0.34	0.86	0.45	-0.24	564.77	513.82	521.97	556.62	-18.68
6	94	243	0.73	0.31	0.73	0.32	6.12e-02	271.75	-26.37	268.19	-22.81	32.40
6	94	244	-0.37	-3.60	-0.51	-3.46	0.66	758.86	493.86	602.64	650.08	130.36
6	94	245	2.17	-0.31	0.49	1.37	1.16	339.32	97.02	282.09	154.25	-102.92
6	94	246	-1.40	-3.13	-1.41	-3.12	-0.13	876.32	142.35	752.34	266.33	-275.00
6	94	247	1.43	-2.63e-02	-1.01e-02	1.41	-0.15	249.63	64.01	242.17	71.47	36.46
6	94	248	0.92	-0.73	0.91	-0.72	-0.14	540.61	290.92	501.22	330.30	91.01
6	94	249	0.23	-2.05	-0.76	-1.07	1.13	727.52	50.49	716.41	61.60	86.00
6	94	250	1.50	-0.93	1.10	-0.53	0.90	700.68	230.67	692.41	238.94	-61.81
6	94	251	0.59	0.34	0.58	0.35	5.12e-02	186.79	-22.39	185.88	-21.48	-13.77
6	94	252	0.21	-3.67	-6.09e-02	-3.40	0.99	844.34	301.28	765.19	380.43	191.62
6	94	253	3.23	-0.57	-0.24	2.90	1.07	475.24	-118.33	475.12	-118.22	8.22
6	94	254	0.73	0.26	0.30	0.70	0.12	140.73	-56.27	114.17	-29.71	-67.28
6	94	255	2.06	-0.51	0.39	1.16	1.23	388.51	-61.05	362.53	-35.07	-104.90
6	94	256	0.53	-0.75	0.26	-0.49	0.52	508.79	3.56	481.98	30.38	113.26
6	94	257	0.94	-9.51e-02	-6.65e-02	0.91	0.17	121.10	-213.40	87.28	-179.58	-100.85
6	94	258	-1.40	-2.49	-1.42	-2.48	-0.12	1123.37	-55.92	1083.45	-16.00	-213.25
6	94	259	1.39	-0.45	-0.36	1.29	-0.41	234.20	-128.12	230.95	-124.87	34.15
6	94	260	2.15	-1.41	1.40	-0.65	1.45	751.53	82.49	750.63	83.38	24.45
6	94	261	0.80	-3.79	-1.70e-02	-2.97	1.75	857.02	141.22	826.64	171.60	144.31
6	94	262	1.52	-0.70	0.39	0.43	1.11	546.76	-128.30	546.63	-128.17	-9.15
6	94	263	0.63	-0.38	0.63	-0.37	5.32e-02	736.09	465.05	568.49	632.65	-131.67
6	94	264	0.44	-1.97	0.42	-1.95	-0.21	1085.30	-229.33	1079.36	-223.39	-88.21
6	94	265	2.62	-1.95	2.31	-1.65	1.14	938.90	-70.35	935.26	-66.71	60.51

6	94	266	1.14	-0.26	-0.25	1.13	-0.10	206.61	-242.73	206.18	-242.29	-13.96
6	94	268	1.39	-1.38	0.43	-0.42	1.32	907.29	336.84	810.52	433.61	-214.10
6	94	270	-1.45	-3.73	-1.61	-3.56	-0.59	859.05	253.68	858.92	253.81	-8.74
6	94	271	0.71	-0.79	0.63	-0.71	0.35	979.42	335.73	963.79	351.36	-99.06
6	94	272	1.56	-1.58	0.68	-0.71	1.41	732.27	234.73	723.42	243.58	-65.78
6	94	273	0.52	0.38	0.41	0.49	5.63e-02	119.82	0.10	111.58	8.34	-30.31
6	94	274	1.21	-1.08	0.63	-0.50	0.99	896.46	251.16	555.93	591.69	-322.16
6	94	275	0.94	-0.55	0.84	-0.45	0.37	266.31	-20.99	235.38	9.94	89.05
6	94	276	1.72	-0.48	0.27	0.97	1.04	332.02	202.08	330.79	203.30	-12.55
6	94	277	1.39	-9.90e-02	9.00e-02	1.20	0.50	321.73	170.08	321.70	170.10	2.03
6	94	278	-1.17	-2.17	-1.17	-2.17	6.87e-02	655.68	456.95	569.76	542.87	-98.45
6	94	279	-1.01	-2.32	-1.02	-2.32	-7.48e-02	643.82	534.55	536.66	641.70	15.05
6	94	280	0.90	1.71e-02	0.83	8.74e-02	0.24	361.82	-65.80	325.17	-29.15	119.70
6	94	281	-0.39	-2.37	-0.72	-2.04	0.73	597.51	530.57	550.18	577.90	30.46
6	94	282	1.09	-0.93	0.90	-0.74	0.60	378.21	137.72	377.23	138.70	-15.32
6	94	283	2.02	-0.76	0.54	0.72	1.39	393.69	146.36	391.15	148.90	-24.95
6	94	284	0.72	0.24	0.70	0.26	0.11	323.77	-61.90	322.35	-60.47	23.38
6	94	285	-1.15	-2.14	-1.40	-1.89	-0.42	665.34	306.87	648.81	323.41	-75.19
6	94	286	1.18	-2.22e-02	2.55e-02	1.14	-0.24	329.71	64.55	329.44	64.82	8.43
6	94	287	1.73	-1.06	1.72	-1.06	0.11	659.41	266.13	643.52	282.02	77.43
6	94	288	0.90	-2.52	5.64e-02	-1.67	1.48	635.72	50.26	590.89	95.09	155.68
6	94	289	2.14	-1.22	1.13	-0.22	1.54	621.63	22.35	618.70	25.28	41.78
6	94	290	2.03	-1.04	1.89	-0.89	-0.66	675.52	419.64	675.21	419.95	8.95
6	94	291	0.48	-1.91	9.12e-02	-1.52	0.88	583.19	281.96	560.03	305.12	80.25
6	94	292	0.85	0.18	0.19	0.85	-4.60e-02	320.15	-127.07	319.99	-126.91	-8.56
6	94	293	-0.30	-1.44	-0.40	-1.34	-0.32	855.29	-362.90	851.96	-359.58	-63.56
6	94	294	2.13	-1.15	0.90	7.69e-02	1.58	492.90	49.38	492.88	49.40	-3.11
6	94	295	0.45	-3.37	-1.85	-1.07	1.87	609.27	-64.68	497.88	46.71	250.32
6	94	296	-0.68	-2.02	-1.25	-1.46	-0.66	722.73	-100.66	722.64	-100.56	-8.86
6	94	297	2.06	-1.24	1.47	-0.65	1.26	659.33	102.58	646.14	115.77	84.67
6	94	298	1.08	-6.64e-02	8.65e-03	1.01	-0.28	349.02	-50.60	348.99	-50.56	3.91
6	94	299	0.55	-1.36	0.40	-1.21	0.51	693.86	-222.04	679.68	-207.86	-113.07
6	94	300	0.72	0.32	0.36	0.68	0.12	260.57	-130.11	257.28	-126.83	-35.67
6	94	301	0.42	-2.28	3.72e-03	-1.87	-0.97	863.54	387.93	863.52	387.95	-3.12
6	94	302	2.39	-8.09	-1.98	-3.73	-5.16	781.41	283.19	777.27	287.33	45.23
6	94	303	0.60	0.41	0.50	0.52	9.56e-02	218.54	-73.17	213.87	-68.50	-36.62
6	94	304	1.52	-1.29	1.19	-0.96	0.91	671.71	95.78	660.35	107.14	-80.10
6	94	305	0.66	-4.09	-3.10	-0.33	1.93	372.01	-141.07	272.45	-41.51	202.91
6	94	306	5.73e-02	-1.11	5.27e-02	-1.11	7.32e-02	802.19	450.74	766.92	486.01	-105.60
6	94	307	1.51	-1.16	-0.48	0.84	1.16	368.08	215.87	359.60	224.35	34.93
6	94	308	-6.21e-02	-1.40	-1.25	-0.21	0.42	557.00	408.73	412.50	553.23	23.35
6	94	309	0.97	-0.29	-6.46e-02	0.75	0.48	336.07	182.34	335.83	182.58	-6.05
6	94	310	-1.09	-1.37	-1.31	-1.15	0.12	509.68	371.72	388.59	492.80	-45.21
6	94	311	0.71	-0.42	0.44	-0.15	0.48	148.67	-343.82	124.86	-320.01	105.65
6	94	312	3.51	-2.03	2.17	-0.69	2.37	657.55	23.87	635.11	46.31	117.13
6	94	313	1.28	-1.45	-1.05	0.88	0.97	557.10	320.25	342.69	534.66	69.36
6	94	314	0.32	-0.82	0.21	-0.71	0.33	367.71	-16.27	162.26	189.18	191.52
6	94	315	-0.84	-1.88	-1.47	-1.25	-0.51	177.61	-719.86	174.49	-716.74	-52.82
6	94	316	2.33	-0.98	0.37	0.98	1.63	466.97	165.78	449.19	183.56	70.98
6	94	317	1.02	-0.32	0.97	-0.28	0.24	434.37	-213.59	421.83	-201.04	89.28
6	94	318	0.48	0.35	0.43	0.39	-5.76e-02	352.74	-129.11	352.65	-129.02	-6.72
6	94	319	2.56	-2.61	-2.35	2.30	1.13	290.97	-468.78	-19.76	-158.05	373.53
6	94	320	-0.38	-1.47	-1.15	-0.70	-0.50	346.65	301.01	315.95	331.71	-21.41
6	94	321	0.75	-1.01e-02	-9.51e-03	0.75	-2.14e-02	369.44	105.86	364.65	110.64	-35.20
6	94	322	2.80	-1.81	2.76	-1.77	0.44	731.16	248.87	720.22	259.81	71.81
6	94	323	2.14	-0.90	-0.59	1.83	0.92	249.78	165.66	207.95	207.49	42.06
6	94	324	-0.63	-2.32	-1.29	-1.66	-0.83	192.54	-143.65	146.89	-98.00	115.16
6	94	325	0.71	6.26e-02	0.12	0.65	-0.18	419.28	-13.50	416.04	-10.26	37.29
6	94	326	3.13	-2.17	2.55	-1.59	1.65	724.71	136.33	711.60	149.44	86.84
6	94	327	2.77	-1.64	1.02	0.10	2.16	574.38	54.70	553.40	75.67	102.27
6	94	328	-0.36	-3.06	-0.58	-2.83	0.75	355.84	-326.95	54.22	-25.32	339.07
6	94	329	7.76	-8.06	7.73	-8.03	-0.63	791.83	288.29	783.67	296.45	63.59
6	94	330	0.61	0.21	0.53	0.29	0.16	382.87	-108.23	382.14	-107.50	18.98
6	94	331	-0.36	-1.31	-0.76	-0.91	0.47	249.49	-341.40	196.18	-288.09	-169.28
6	94	332	3.40	-2.00	3.39	-2.00	-0.19	755.09	345.73	751.63	349.19	37.50
6	94	333	8.18	-7.36	7.41	-6.58	3.38	655.25	217.75	629.47	243.53	103.03
6	94	334	0.89	-0.92	-0.75	0.72	0.53	304.82	249.00	296.61	257.21	-19.76
6	94	335	1.30	-1.70	-1.33	0.93	0.99	468.08	294.14	317.12	445.10	58.90
6	94	336	1.73	-1.37	-0.68	1.04	1.29	396.14	249.27	332.80	312.61	72.74
6	94	337	0.65	-1.38	-1.32	0.59	0.33	387.77	266.30	277.56	376.51	-35.23
6	94	338	2.32	-1.99	-1.23	1.55	1.65	485.64	163.86	260.61	388.89	147.55
6	94	339	2.63	-1.65	-0.51	1.49	1.89	503.08	115.65	364.39	254.34	185.73
6	94	340	0.53	-0.19	-0.15	0.50	-0.15	363.16	68.70	306.19	125.67	-116.32
6	94	341	0.56	-0.53	-0.40	0.42	-0.35	334.05	107.32	201.25	240.12	-111.69
6	94	342	0.64	-0.80	-0.52	0.36	-0.57	288.11	-164.65	18.79	104.66	-222.27
6	94	343	0.49	-0.15	0.12	0.22	-0.32	400.32	-68.68	360.56	-28.92	-130.63
6	94	344	4.57	-1.77	-0.13	2.93	2.78	608.24	-156.58	85.61	366.05	355.77

6	94	345	4.33	-1.86	6.73e-02	2.40	2.86	568.88	-94.86	436.25	37.77	265.40
6	94	346	0.82	6.01e-02	0.80	8.19e-02	-0.13	627.64	-159.44	627.20	-159.00	18.57
6	94	347	4.93	-4.60	3.84	-3.51	3.04	754.70	128.57	741.09	142.18	91.31
6	94	348	5.10	-3.55	5.07	-3.52	-0.54	809.94	304.16	800.10	314.00	69.86
6	94	349	7.34	-6.23	5.13	-4.02	5.01	731.18	102.48	721.91	111.76	75.79
6	94	350	5.56	-4.01	2.05	-0.49	4.61	842.78	-53.39	800.08	-10.69	190.91
6	94	351	4.62	-3.89	4.43	-3.71	1.25	799.83	241.41	790.63	250.61	71.08
6	96	99	4.08	-10.35	-10.35	4.07	0.29	36.98	-2015.56	-1656.83	-321.75	-779.50
6	96	100	-3.54e-02	-20.07	-6.92e-02	-20.04	0.82	-216.36	-1411.38	-1403.95	-223.78	-93.91
6	96	101	14.21	0.20	0.24	14.18	-0.70	-248.80	-1288.91	-254.35	-1283.36	-75.77
6	96	102	16.42	-1.90	-1.20	15.72	3.50	-166.85	-848.75	-840.06	-175.53	76.45
6	96	103	8.36	-9.21	4.39	-5.24	-7.35	582.81	-1644.66	505.57	-1567.42	-407.53
6	96	104	8.52	-1.51	-1.08	8.09	-2.03	-1080.86	-1325.88	-1325.26	-1081.48	-12.33
6	96	105	2.42	-8.80	-2.77	-3.60	5.60	-932.98	-1852.73	-1796.18	-989.53	220.93
6	96	106	-0.83	-1.27	-0.93	-1.17	-0.18	-1410.56	-1794.84	-1430.11	-1775.29	-84.43
6	96	107	8.49	-17.27	4.49	-13.28	9.32	-1338.50	-6754.56	-5061.19	-3031.87	2510.75
6	96	108	8.35	-8.33	8.30	-8.28	-0.88	2464.45	-41.05	1115.02	1308.38	-1249.01
6	96	109	2.03	0.96	2.01	0.98	-0.15	1093.67	-1894.98	1093.66	-1894.98	-5.20
6	96	110	2.66	0.80	0.80	2.65	-0.11	961.51	-1276.47	957.63	-1272.59	-93.13
6	96	111	4.47	-29.67	4.39	-29.59	-1.61	253.47	-235.99	163.54	-146.06	-189.55
6	96	112	25.08	16.18	24.11	17.15	2.77	-98.62	-711.22	-579.49	-230.35	-251.69
6	96	113	-11.52	-27.33	-27.29	-11.56	-0.77	1268.34	-773.10	-681.63	1176.86	-422.35
6	96	115	-11.92	-21.61	-21.32	-12.21	1.65	177.64	-164.87	-84.52	97.28	-145.14
6	96	117	6.38	-5.32	0.92	0.13	-5.84	182.39	-230.12	-28.51	-19.22	-206.20
6	96	119	13.51	7.83	10.98	10.36	-2.82	-99.68	-775.25	-758.57	-116.36	-104.83
6	96	121	15.38	9.34	9.39	15.33	-0.54	-76.29	-697.98	-697.24	-77.02	21.29
6	96	123	5.62	4.06	5.49	4.19	-0.44	138.39	-371.21	-208.47	-24.36	-237.59
6	96	125	0.94	-10.97	0.77	-10.80	-1.42	289.51	-113.93	103.37	72.22	-201.12
6	96	127	4.06	-3.25	1.22	-0.41	-3.56	15.24	-180.83	7.92	-173.50	-37.19
6	96	129	3.99	-6.19	-5.98	3.78	-1.43	-6.11	-101.44	-12.47	-95.08	-23.79
6	96	131	12.36	0.94	0.96	12.35	-0.43	-161.70	-792.47	-790.49	-163.68	35.32
6	96	133	7.63	-1.44	-0.82	7.01	-2.29	-226.42	-884.53	-882.39	-228.56	37.48
6	96	134	-7.11e-02	-0.13	-0.12	-8.90e-02	-2.85e-02	44.63	2.72	27.36	19.98	-20.63
6	96	135	5.53	-2.29	5.04	-1.80	-1.89	923.53	-1069.31	-520.56	374.78	-890.19
6	96	136	3.94	0.55	3.36	1.12	-1.27	692.32	-341.07	361.63	-10.38	-482.05
6	96	137	1.25	5.28e-02	0.99	0.31	-0.50	576.76	-216.80	386.24	-26.28	-338.95
6	96	138	0.37	-0.56	-0.39	0.20	-0.36	460.90	-108.51	338.95	13.45	-233.60
6	96	139	0.29	-0.37	-0.24	0.17	-0.26	335.86	-52.47	266.14	17.24	-149.04
6	96	140	0.22	-0.34	-0.26	0.13	-0.21	245.92	-19.08	210.61	16.23	-90.06
6	96	141	4.96e-02	-0.39	-0.29	-5.22e-02	-0.19	276.13	-2.17	262.64	11.33	-59.77
6	96	142	4.23e-02	-0.39	-0.30	-5.51e-02	-0.18	323.47	-2.24	314.87	6.37	-52.24
6	96	143	9.29e-02	-0.32	-0.26	2.61e-02	-0.15	267.69	-6.33	256.43	4.93	-54.39
6	96	144	7.19e-02	-0.19	-0.17	5.11e-02	-7.07e-02	163.45	-8.75	148.73	5.97	-48.15
6	96	145	-6.14e-02	-0.20	-8.36e-02	-0.18	-5.09e-02	143.36	-27.78	19.11	96.47	-76.33
6	96	146	-5.43e-02	-0.43	-8.04e-02	-0.40	-9.56e-02	242.42	-84.00	16.95	141.48	-150.87
6	96	147	1.30	-5.18e-02	0.13	1.12	-0.46	348.41	-144.37	74.50	129.53	-244.85
6	96	148	3.85	0.86	1.00	3.71	-0.64	527.74	-895.83	70.96	-439.05	-664.53
6	96	149	0.53	-0.72	0.39	-0.58	0.39	452.35	-870.69	38.90	-457.24	613.24
6	96	150	-0.12	-1.04	-0.12	-1.03	6.92e-02	508.06	-20.51	87.87	399.68	213.40
6	96	151	-0.14	-2.11	-0.14	-2.11	3.76e-02	548.16	9.33	20.43	537.06	76.55
6	96	152	-0.16	-3.29	-0.16	-3.29	4.22e-02	595.46	-2.27	17.54	575.65	-106.99
6	96	153	-8.89e-02	-4.73	-9.70e-02	-4.72	-0.19	610.06	-59.50	62.58	487.98	-258.52
6	96	154	6.45	1.27	1.46	6.26	-0.98	574.72	-777.44	-13.65	-189.07	-670.37
6	96	155	0.62	-6.26	0.58	-6.22	0.50	490.84	-952.36	-37.41	-424.11	695.21
6	96	156	-0.30	-7.59	-0.31	-7.59	0.12	905.56	-36.43	71.24	797.89	299.72
6	96	157	-0.23	-7.77	-0.23	-7.77	-0.11	1145.66	7.04	23.55	1129.16	136.10
6	96	158	-0.35	-7.11	-0.36	-7.11	-0.19	1392.69	-31.46	25.48	1335.75	-279.01
6	96	159	-0.65	-6.68	-0.65	-6.68	-7.04e-02	1603.82	-109.38	81.76	1412.67	-539.38
6	96	160	1.94	-8.38	1.51	-7.96	-2.05	2932.87	-376.37	227.58	2328.92	-1278.23
6	96	161	7.15	2.33	7.14	2.35	-0.28	2744.09	-521.32	2114.10	108.67	-1288.52
6	96	162	1.36	-0.73	0.45	0.18	-1.04	1669.05	-64.05	1501.17	103.84	-512.62
6	96	163	-0.38	-6.00	-5.81	-0.57	-1.01	1295.21	-21.01	1253.17	21.02	-231.43
6	96	164	-0.74	-10.06	-10.04	-0.75	-0.35	756.36	-13.74	756.15	-13.52	12.87
6	96	165	8.05	-12.51	-12.02	7.57	-3.11	185.27	-480.83	-286.54	-9.02	302.77
6	96	166	21.50	3.43	21.48	3.45	-0.64	820.87	-299.01	551.56	-29.70	-478.61
6	96	167	6.10	-10.81	-5.36	0.65	-7.90	249.34	-357.04	-107.87	0.17	-298.34
6	96	168	-0.41	-40.08	-39.85	-0.64	-3.00	28.82	-459.67	-336.80	-94.04	-211.95
6	96	169	-1.93	-23.13	-22.42	-2.64	3.82	-177.79	-891.95	-869.68	-200.06	-124.14
6	96	170	2.56	-2.06	2.50	-2.01	0.51	674.23	-588.87	-111.95	197.31	-612.33
6	96	171	2.29	-6.03	2.14	-5.88	-1.11	298.54	-484.87	-163.15	-23.17	-385.40
6	96	172	14.29	2.27	5.54	11.02	-5.35	543.29	-434.51	-2.16	110.95	-485.62
6	96	173	11.47	3.61	4.01	11.07	1.72	25.82	-241.96	-54.62	-161.52	122.76
6	96	174	6.23	4.59	4.59	6.23	4.68e-02	172.88	-226.06	-224.21	171.03	27.10
6	96	175	-1.31	-8.49	-1.40	-8.40	-0.80	768.00	-282.63	-259.46	744.83	154.31
6	96	176	0.82	-0.68	0.67	-0.53	-0.45	434.22	-117.61	-117.60	434.20	-3.26
6	96	177	0.35	-1.96	0.34	-1.95	0.15	608.20	-122.97	-84.38	569.61	163.48
6	96	178	0.28	-2.84	0.28	-2.84	4.98e-02	552.28	-99.68	-87.93	540.53	86.76

6	96	179	0.81	-3.06	0.81	-3.05	-0.13	351.84	-171.18	-170.89	351.55	12.26
6	96	180	-2.53	-4.13	-2.62	-4.05	-0.35	709.59	-81.46	-35.44	663.57	185.17
6	96	181	0.69	-2.45	0.37	-2.13	-0.95	517.10	-268.73	-108.26	356.63	-316.79
6	96	182	-0.25	-3.18	-0.46	-2.97	-0.76	448.80	-312.60	-201.99	338.19	-268.31
6	96	183	0.62	-3.55	0.62	-3.54	-6.09e-02	452.98	-216.09	-180.82	417.71	-149.52
6	96	184	-3.35	-8.20	-3.69	-7.86	-1.24	791.62	359.65	367.31	783.95	-57.05
6	96	185	-0.12	-2.67	-0.18	-2.61	0.38	681.66	-135.47	117.10	429.09	-377.61
6	96	186	-0.28	-3.07	-0.36	-2.99	0.48	514.74	108.48	124.50	498.73	-79.06
6	96	187	-1.71e-02	-2.46	-2.49e-02	-2.45	-0.14	505.07	135.60	141.30	499.38	45.52
6	96	188	0.97	-2.36	0.12	-1.52	-1.45	594.29	71.93	145.26	520.96	181.46
6	96	189	1.98	-2.68	0.62	-1.33	-2.12	370.28	172.21	201.03	341.45	69.84
6	96	190	9.35	-3.96	5.28	0.11	-6.13	495.14	-502.24	-40.99	33.89	-497.28
6	96	191	8.86e-02	-4.42	-0.18	-4.15	-1.07	1296.51	311.02	498.67	1108.86	-386.93
6	96	192	-0.21	-4.82	-0.25	-4.78	-0.44	925.52	429.65	446.54	908.63	89.95
6	96	193	-0.29	-4.99	-0.36	-4.92	0.57	778.05	121.91	466.94	433.02	327.63
6	96	194	-0.35	-3.22	-0.35	-3.22	3.82e-03	701.06	25.47	339.95	386.58	-326.98
6	96	195	-0.26	-2.36	-0.27	-2.36	-5.33e-02	538.08	180.30	268.36	450.03	-154.11
6	96	196	-0.16	-1.68	-0.23	-1.61	0.32	442.37	237.35	253.05	426.67	54.53
6	96	197	-6.82e-03	-1.30	-0.22	-1.08	0.48	430.74	-2.85	294.30	133.59	201.35
6	96	198	1.62	-0.37	-0.23	1.48	-0.51	416.96	-272.14	233.64	-88.83	-304.49
6	96	199	0.27	-0.59	-0.37	5.03e-02	-0.38	340.85	-6.63	325.85	8.37	-70.62
6	96	200	0.16	-0.70	-0.45	-9.33e-02	-0.39	283.89	15.64	268.94	30.59	-61.54
6	96	201	0.43	-0.72	-0.55	0.26	-0.41	256.03	20.50	199.34	77.19	-100.69
6	96	202	0.51	-0.86	-0.68	0.33	-0.46	381.39	-28.88	224.58	127.93	-199.36
6	96	203	0.50	-1.12	-0.95	0.33	-0.50	573.53	-121.18	283.79	168.56	-342.54
6	96	204	0.38	-1.60	-1.48	0.26	-0.47	749.77	-269.42	336.42	143.94	-500.42
6	96	205	4.72	-6.77	4.33	-6.38	2.10	309.56	75.44	240.57	144.44	-106.74
6	96	206	5.13	-5.29	0.67	-0.83	-5.16	584.70	-446.97	78.08	59.66	-515.76
6	96	207	5.62	0.53	4.63	1.52	2.01	676.76	-175.57	557.59	-56.41	-295.58
6	96	208	9.36	-6.12	8.53	-5.29	3.49	242.57	-421.54	-196.37	17.40	-314.38
6	96	209	2.73	-2.03	1.29	-0.59	-2.19	451.10	-255.46	354.22	-158.58	243.03
6	96	210	5.87	-3.22	5.82	-3.16	-0.72	524.68	-192.37	406.35	-74.04	-266.17
6	96	211	1.10	-3.80	1.08	-3.78	-0.28	764.73	-364.68	518.79	-118.74	-466.13
6	96	212	-0.76	-2.47	-2.46	-0.77	-0.15	823.30	-480.69	175.19	167.42	-651.98
6	96	213	-0.64	-3.50	-0.74	-3.39	0.54	601.77	-120.30	78.79	402.69	-322.67
6	96	214	1.08	-0.25	-0.16	0.99	-0.33	323.20	-92.99	169.46	60.74	-200.87
6	96	215	0.48	-0.40	-0.26	0.34	-0.33	302.30	-25.09	268.62	8.59	-99.46
6	96	216	0.84	-4.60	0.68	-4.44	0.92	879.71	-341.13	658.17	-119.59	470.52
6	96	217	-1.35	-3.64	-2.58	-2.40	1.14	403.94	-108.73	82.60	212.61	-247.95
6	96	218	0.37	-0.41	0.18	-0.22	0.34	533.75	-354.88	442.63	-263.76	269.58
6	96	219	7.39e-02	-2.95	-8.21e-02	-2.80	0.67	386.31	67.23	117.30	336.23	-116.06
6	96	220	1.92	0.45	0.58	1.78	-0.42	523.47	-487.43	353.79	-317.75	-377.81
6	96	221	1.36	-8.30	-6.48	-0.46	-3.78	632.30	217.75	609.44	240.61	-94.63
6	96	222	0.30	-2.42	-0.58	-1.55	-1.27	1742.98	129.16	591.57	1280.57	-729.68
6	96	223	2.01	-5.28	-2.93	-0.33	-3.41	1255.28	205.88	1102.45	358.71	-370.16
6	96	224	2.77	-1.08	2.74	-1.06	0.28	393.30	-438.78	391.57	-437.06	-37.86
6	96	225	1.24	-2.50	1.15	-2.40	-0.59	1384.58	-439.88	1357.15	-412.45	-222.04
6	96	226	-0.85	-5.22	-2.30	-3.77	-2.06	-167.32	-625.63	-378.66	-414.29	-228.46
6	96	227	1.98	0.30	0.63	1.65	-0.67	1235.91	-431.87	1197.48	-393.44	-250.24
6	96	228	1.97	-3.43	-1.22	-0.24	-2.66	1734.71	100.77	1327.40	508.09	-706.84
6	96	231	-2.13	-3.63	-3.20	-2.56	0.68	547.89	-518.56	-152.27	181.60	-506.42
6	96	232	0.51	-0.19	-0.14	0.46	-0.19	224.93	-33.36	147.88	43.69	-118.17
6	96	233	1.78	-0.58	0.13	1.06	-1.08	2052.73	-373.65	913.56	765.52	-1210.93
6	96	234	6.70	-13.82	-12.44	5.32	-5.14	327.14	-29.86	-28.15	325.43	24.68
6	96	235	0.67	-1.07	-0.76	0.36	-0.67	168.04	73.15	152.26	88.93	-35.33
6	96	236	0.97	-1.22	-0.92	0.66	-0.76	298.25	-22.84	105.88	169.53	-157.36
6	96	237	-0.27	-1.21	-0.52	-0.96	0.41	435.34	326.29	435.07	326.56	-5.36
6	96	238	-0.33	-1.12	-0.38	-1.07	-0.19	438.47	197.19	215.07	420.59	63.19
6	96	239	-0.38	-1.39	-0.58	-1.19	-0.40	506.95	289.41	454.59	341.78	-93.00
6	96	240	1.50	-2.50	5.38e-02	-1.05	-1.92	512.17	191.67	243.86	459.98	118.33
6	96	241	0.91	-1.46	-1.12	0.56	-0.84	484.52	-166.99	155.58	161.95	-325.74
6	96	242	-0.45	-3.09	-0.64	-2.91	-0.68	794.07	643.05	778.95	658.17	45.33
6	96	243	0.50	-0.96	-0.63	0.17	-0.61	283.20	27.52	283.10	27.62	-5.01
6	96	244	2.45	-2.79	0.72	-1.07	-2.46	309.51	299.74	306.61	302.64	-4.47
6	96	245	-0.41	-1.62	-0.58	-1.44	-0.43	597.04	190.39	547.24	240.19	-133.30
6	96	246	-0.38	-1.42	-0.88	-0.91	0.52	354.49	269.20	269.82	353.87	-7.23
6	96	247	0.19	-1.49	-0.51	-0.80	0.83	508.09	133.26	501.78	139.57	48.22
6	96	248	-0.23	-3.43	-0.60	-3.06	1.03	865.75	299.61	805.98	359.38	173.97
6	96	249	7.33	-8.77	6.86	-8.30	-2.70	422.34	-149.76	404.62	-132.05	-99.09
6	96	250	0.47	-1.53	-1.32	0.25	-0.62	684.69	-235.37	240.54	208.78	-459.75
6	96	251	0.63	-0.81	-0.49	0.31	-0.60	376.45	-16.97	370.12	-10.64	-49.50
6	96	252	2.92	-3.77	1.84	-2.70	-2.46	407.51	7.23	407.04	7.70	13.72
6	96	253	7.81	-15.39	6.93	-14.51	-4.42	414.93	19.71	344.52	90.12	-151.23
6	96	254	1.17	-0.68	-0.40	0.88	-0.67	460.29	-121.31	411.86	-72.89	-160.69
6	96	255	0.43	-0.40	0.15	-0.11	-0.40	819.96	47.36	802.55	64.76	-114.65
6	96	256	1.31	-1.52	0.45	-0.67	1.30	976.00	63.66	941.47	98.19	174.11
6	96	257	1.03	-0.38	-4.05e-02	0.68	-0.61	593.67	-168.15	562.94	-137.42	-149.89

6	96	258	-1.16	-1.75	-1.73	-1.18	9.06e-02	218.12	36.67	175.17	79.62	-77.13
6	96	259	0.71	-0.59	-0.28	0.41	0.55	671.15	-51.47	671.03	-51.36	-9.23
6	96	260	-0.61	-2.04	-0.62	-2.02	-0.14	700.42	-87.28	245.83	367.31	-389.14
6	96	261	4.05	-4.89	3.65	-4.50	-1.85	497.49	-167.87	495.73	-166.11	-34.17
6	96	262	0.34	-0.30	0.34	-0.30	3.82e-02	914.80	-29.56	910.33	-25.09	64.81
6	96	263	1.81	-3.55	0.49	-2.22	-2.31	1123.55	570.82	860.72	833.66	-276.04
6	96	264	-0.65	-2.17	-1.40	-1.42	-0.76	392.85	-27.21	350.15	15.48	-126.93
6	96	265	-0.70	-1.84	-0.76	-1.78	-0.26	369.94	-145.01	164.22	60.71	-252.22
6	96	266	0.42	-0.12	-0.10	0.40	-0.11	594.09	-160.30	586.17	-152.38	-76.85
6	96	268	4.08	-4.56	0.54	-1.02	-4.25	1063.30	430.55	918.94	574.91	-265.52
6	96	270	9.98	-1.78	4.39	3.80	-5.87	326.69	-36.85	17.79	272.05	-129.91
6	96	271	5.80	-2.68	3.12	1.44e-03	-3.94	609.30	322.62	540.19	391.73	-122.62
6	96	272	-1.31	-1.54	-1.31	-1.54	-7.02e-03	868.45	-234.60	231.42	402.43	-544.85
6	96	273	0.90	-0.58	-0.32	0.64	-0.56	362.28	-69.68	315.13	-22.54	-134.70
6	96	274	2.27	-3.83	-0.53	-1.04	-3.04	1372.25	445.66	1004.21	813.71	-453.40
6	96	275	1.74	-1.58	-1.03	1.18	-1.24	111.33	-156.87	-121.98	76.44	-90.23
6	96	276	-6.25e-02	-1.05	-0.98	-0.14	-0.26	467.03	313.66	466.59	314.10	-8.25
6	96	277	-9.60e-03	-1.12	-0.89	-0.23	0.44	455.53	283.95	446.22	293.27	-38.87
6	96	278	-0.33	-0.91	-0.48	-0.75	-0.26	412.13	113.50	128.45	397.18	65.14
6	96	279	1.45	-2.02	1.22e-02	-0.58	-1.71	469.54	148.34	160.88	457.01	62.20
6	96	280	1.15	-1.17	-0.88	0.86	-0.77	74.44	-59.40	42.28	-27.24	57.18
6	96	281	2.49	-2.13	0.65	-0.29	-2.26	364.90	155.90	215.51	305.29	-94.37
6	96	282	1.32	-1.72	-1.19	0.79	-1.16	349.04	-315.72	-2.18	35.51	-331.85
6	96	283	0.42	-0.95	-0.91	0.38	-0.25	560.60	238.47	556.25	242.82	37.17
6	96	284	0.51	-1.11	-0.78	0.18	-0.65	268.05	-96.75	256.39	-85.09	64.16
6	96	285	-0.57	-1.71	-0.84	-1.44	0.48	244.42	76.12	164.52	156.01	84.04
6	96	286	0.20	-1.43	-0.91	-0.32	0.76	500.14	144.42	493.68	150.88	-47.52
6	96	287	1.19	-1.97	-1.04	0.27	1.44	848.20	267.12	841.10	274.21	63.82
6	96	288	5.51	-3.60	3.66	-1.75	-3.66	350.45	-186.90	348.12	-184.58	-35.28
6	96	289	0.63	-0.37	-0.37	0.63	-2.47e-02	817.01	29.24	802.12	44.13	107.27
6	96	290	-0.42	-1.37	-1.03	-0.77	0.46	844.83	453.45	833.18	465.10	-66.49
6	96	291	3.48	-2.92	1.70	-1.14	-2.87	338.79	-20.85	314.04	3.90	-91.05
6	96	292	0.34	-0.74	-0.73	0.33	-7.97e-02	549.16	-162.63	546.22	-159.68	-45.69
6	96	293	-5.78e-02	-1.39	-0.46	-0.98	-0.61	294.32	-157.41	259.88	-122.97	-119.89
6	96	294	0.63	-0.54	-0.51	0.59	-0.19	684.76	106.08	675.30	115.54	73.38
6	96	295	7.87	-5.91	5.70	-3.74	-5.02	297.08	-155.63	296.10	-154.65	21.00
6	96	296	-0.70	-1.13	-0.77	-1.06	0.15	286.47	-56.19	283.34	-53.06	32.58
6	96	297	1.84	-2.03	-0.73	0.53	1.83	859.40	93.65	843.14	109.91	110.39
6	96	298	0.19	-1.21	-1.02	-2.62e-03	0.48	571.35	-47.15	567.21	-43.01	-50.45
6	96	299	0.75	-1.44	-0.12	-0.57	-1.07	477.07	-202.82	302.12	-27.88	-297.21
6	96	300	0.52	-0.89	-0.63	0.26	-0.54	528.81	-144.64	527.84	-143.67	-25.57
6	96	301	4.47	-0.54	4.42	-0.49	0.50	523.53	251.51	485.02	290.02	-94.83
6	96	302	10.56	3.28	10.29	3.56	-1.39	124.36	-71.95	-52.24	104.65	-59.00
6	96	303	0.55	-0.96	-0.59	0.18	-0.65	452.97	-74.10	451.97	-73.11	-22.90
6	96	304	0.46	-1.53	-1.06	-6.31e-03	-0.85	581.47	-229.89	203.52	148.06	-404.73
6	96	305	7.28	-7.38	4.28	-4.38	-5.92	180.61	78.23	180.12	78.72	7.09
6	96	306	3.18	-2.54	2.16	-1.52	-2.19	924.28	509.59	846.43	587.44	-161.93
6	96	307	-0.28	-1.38	-1.38	-0.28	2.84e-02	392.41	312.13	349.50	355.03	40.05
6	96	308	0.70	-1.83	-3.07e-02	-1.11	-1.15	487.57	53.21	54.12	486.65	-19.92
6	96	309	2.94e-04	-1.46	-1.29	-0.17	0.46	374.63	269.82	317.39	327.06	-52.18
6	96	310	-1.12	-1.50	-1.21	-1.40	-0.16	426.40	12.00	18.62	419.78	51.97
6	96	311	5.96	-3.16	3.43	-0.63	-4.08	230.26	-238.21	201.42	-209.37	-112.60
6	96	312	2.02	-1.11	-1.09	2.00	0.25	556.33	-81.81	513.57	-39.04	159.56
6	96	313	1.92	-1.25	0.28	0.40	-1.59	377.29	-18.35	2.11	356.83	-87.61
6	96	314	2.75	-1.38	-0.73	2.11	-1.50	-151.22	-664.97	-475.52	-340.68	-247.87
6	96	315	1.78	-0.77	0.88	0.12	-1.22	522.08	-534.99	479.72	-492.62	-207.33
6	96	316	0.74	-1.28	-1.28	0.74	-6.33e-02	493.45	180.04	397.70	275.79	144.37
6	96	317	0.72	-1.90	-1.84	0.67	-0.37	77.53	-538.23	16.68	-477.39	183.75
6	96	318	0.47	-1.60	-1.60	0.47	-1.96e-02	478.97	-247.20	477.75	-245.98	-29.76
6	96	319	9.56	0.66	5.53	4.69	-4.43	109.19	-150.34	9.92	-51.07	126.13
6	96	320	-1.31	-2.08	-1.50	-1.90	0.33	201.29	-126.64	-66.82	141.47	126.64
6	96	321	0.26	-1.48	-1.16	-6.70e-02	0.68	367.38	69.87	307.94	129.31	-118.96
6	96	322	1.86	-3.06	-1.73	0.53	2.19	615.61	114.86	615.37	115.10	10.96
6	96	323	4.08	-1.43	0.60	2.04	-2.66	74.09	-325.72	-167.38	-84.25	-195.53
6	96	324	-0.39	-2.08	-0.40	-2.07	0.12	-53.16	-432.22	-292.25	-193.13	182.93
6	96	325	0.47	-1.73	-1.64	0.38	0.43	339.11	-172.93	310.52	-144.33	-117.57
6	96	326	1.61	-1.48	-1.35	1.48	0.62	604.67	-24.02	594.42	-13.78	79.59
6	96	327	1.39	-0.86	-0.86	1.39	-4.91e-02	511.75	20.93	433.21	99.47	179.95
6	96	328	9.44	-4.55	6.38	-1.49	-5.78	13.61	-154.61	-49.72	-91.29	81.50
6	96	329	5.92	-7.86	-5.99	4.05	4.72	-30.69	-328.02	-322.59	-36.11	39.79
6	96	330	0.49	-1.39	-1.32	0.41	-0.37	320.94	-234.12	315.57	-228.75	54.34
6	96	331	2.03	-0.35	0.77	0.90	-1.19	82.21	-621.34	-230.74	-308.38	-349.63
6	96	332	1.28	-3.25	-1.80	-0.17	2.11	610.67	225.38	604.44	231.60	-48.56
6	96	333	9.12	-5.06	-3.35	7.41	4.62	-120.31	-429.04	-428.06	-121.29	17.35
6	96	334	-0.34	-1.73	-1.65	-0.43	0.33	414.22	117.70	129.43	402.49	-57.79
6	96	335	-0.38	-1.29	-0.99	-0.67	-0.43	506.27	23.12	23.68	505.72	-16.38
6	96	336	-0.47	-1.75	-1.73	-0.48	0.15	437.23	153.27	156.34	434.16	29.35

6	96	337	-0.89	-1.83	-1.83	-0.89	6.50e-02	480.16	-11.57	-10.80	479.38	19.53
6	96	338	-2.41e-02	-1.67	-1.33	-0.36	-0.66	440.70	-83.43	-81.10	438.37	34.90
6	96	339	-0.67	-1.64	-1.63	-0.68	-0.11	421.06	60.01	117.75	363.32	132.34
6	96	340	-0.21	-1.70	-1.44	-0.48	0.57	220.71	-43.09	39.55	138.07	-122.36
6	96	341	-0.80	-2.04	-1.61	-1.24	0.59	307.38	-153.51	-151.82	305.68	-27.92
6	96	342	-0.89	-2.81	-1.38	-2.31	0.84	-313.05	-579.74	-508.12	-384.67	118.20
6	96	343	-0.32	-2.15	-2.09	-0.38	0.34	128.01	-460.40	-28.69	-303.70	-260.09
6	96	344	0.90	-1.69	-1.12	0.33	-1.07	132.04	-466.41	-462.90	128.53	45.70
6	96	345	1.96	-1.59	-1.54	1.92	-0.41	267.34	-273.43	33.68	-39.77	267.88
6	96	346	-4.15e-02	-2.80	-2.73	-0.11	0.43	-312.32	-625.42	-313.61	-624.12	-20.07
6	96	347	4.58	-2.04	-1.89	4.43	0.97	174.28	-162.16	169.27	-157.16	40.72
6	96	348	3.13	-2.70	-0.97	1.40	2.66	242.36	93.34	235.38	100.31	-31.49
6	96	349	7.63	-3.52	-3.50	7.62	0.38	-284.55	-527.88	-513.79	-298.64	-56.83
6	96	350	5.28	-1.83	-1.83	5.27	0.15	29.83	-420.49	-31.38	-359.28	154.33
6	96	351	4.64	-4.12	-2.61	3.14	3.30	193.48	-10.69	192.28	-9.49	15.60

M_G	N max	N min	N 1	N 2	N 1-2	M max	M min	M 1	M 2	M 1-2
		-109.86	-109.72	-84.65	-31.73		-1.945e+04	-1.591e+04	-4811.18	-2556.55
	76.41		75.75	60.00	32.50	8407.73		7021.05	3994.31	7201.75

Macro	Tipo	Angolo 1-X (gradi)
7	Guscio	0.0

M_G	Cmb	Nodo	N max daN/cm	N min daN/cm	N 1 daN/cm	N 2 daN/cm	N 1-2 daN/cm	M max daN	M min daN	M 1 daN	M 2 daN	M 1-2 daN
7	18	229	31.70	-27.13	4.39	0.19	29.34	678.90	-240.51	206.36	232.04	-459.52
7	18	230	27.98	-22.45	0.38	5.15	25.10	530.05	-99.75	237.29	193.01	-314.12
7	18	267	28.96	-22.94	8.35	-2.33	25.40	513.96	-109.53	156.91	247.52	-308.43
7	18	269	23.50	-19.41	3.96	0.13	21.37	612.96	-134.98	222.68	255.30	-373.61
7	18	352	5.88	-8.98	-0.35	-2.76	7.33	155.67	-95.14	29.83	30.71	-125.40
7	18	353	17.95	-8.57	-0.45	9.83	12.22	-100.51	-131.85	-106.57	-125.79	12.38
7	18	354	18.92	-22.13	-0.33	-2.88	20.49	231.00	-82.74	88.11	60.16	-156.25
7	18	355	16.53	-10.02	9.54	-3.03	11.69	-88.43	-124.79	-117.54	-95.67	14.53
7	18	356	32.74	-31.60	15.68	-14.54	28.40	3.91	-290.96	-118.24	-168.81	-145.25
7	18	357	42.40	-26.43	12.21	3.77	34.16	260.37	-274.72	44.06	-58.41	-262.59
7	18	358	23.35	-26.39	7.38	-10.42	23.23	114.27	-166.91	-112.65	60.01	-110.96
7	18	359	26.71	-12.46	16.21	-1.96	17.35	277.66	-163.89	-12.47	126.24	-209.60
7	18	360	44.16	-28.05	12.04	4.07	35.88	318.32	-225.90	9.91	82.51	-269.68
7	18	361	31.34	-35.13	-14.64	10.85	30.70	6.61	-296.00	-182.51	-106.88	-146.50
7	18	362	22.00	-24.82	-8.14	5.32	22.42	99.75	-192.22	45.00	-137.47	-113.97
7	18	363	22.15	-10.64	1.95	9.55	15.95	239.14	-187.59	95.14	-43.60	-201.77
7	41	229	21.46	-18.89	2.71	-0.13	20.12	479.71	-151.17	154.71	173.83	-315.30
7	41	230	18.72	-15.41	2.75e-02	3.29	16.99	370.83	-49.93	175.37	145.53	-209.85
7	41	267	19.59	-15.92	5.63	-1.96	17.35	361.61	-57.85	118.39	185.37	-207.04
7	41	269	15.73	-13.28	2.68	-0.23	14.43	432.00	-80.24	162.92	188.85	-255.79
7	41	352	3.71	-5.73	1.01e-03	-2.02	4.61	105.21	-71.92	17.09	16.19	-88.57
7	41	353	12.35	-5.94	-0.40	6.81	8.40	-67.56	-95.65	-74.40	-88.80	12.06
7	41	354	12.77	-15.00	-0.26	-1.98	13.86	157.97	-61.34	58.00	38.63	-109.22
7	41	355	11.61	-7.22	6.77	-2.38	8.23	-60.70	-92.25	-83.99	-68.95	13.87
7	41	356	22.81	-22.33	10.96	-10.48	19.86	-4.29	-201.56	-81.58	-124.27	-96.30
7	41	357	28.80	-18.62	7.82	2.36	23.55	179.44	-192.62	33.66	-46.84	-181.62
7	41	358	16.06	-18.75	5.43	-8.12	16.04	79.58	-114.55	-82.34	47.37	-72.23
7	41	359	17.83	-8.61	11.40	-2.17	11.35	192.43	-115.75	-14.01	90.69	-144.93
7	41	360	29.50	-19.73	7.77	2.00	24.45	218.15	-159.04	-1.01	60.11	-186.11
7	41	361	21.18	-24.56	-10.38	7.00	21.16	-0.30	-202.57	-131.94	-70.93	-96.43
7	41	362	14.66	-16.82	-5.79	3.63	15.02	66.21	-134.84	33.55	-102.19	-74.16
7	41	363	14.51	-6.73	1.62	6.15	10.37	160.09	-136.96	63.85	-40.72	-139.02
7	47	229	7.07	-11.52	-1.96	-2.50	9.29	312.97	29.05	161.98	180.05	-141.67
7	47	230	4.99	-7.92	-2.13	-0.80	6.42	217.79	106.16	166.37	157.58	-55.64
7	47	267	5.74	-9.36	0.55	-4.17	7.17	233.16	88.32	128.49	192.99	-64.84
7	47	269	3.96	-6.86	0.18	-3.07	5.16	276.18	50.52	143.95	182.75	-111.15
7	47	352	2.15	-2.25	1.83	-1.93	-1.15	32.75	-83.45	-17.84	-32.86	-57.61
7	47	353	6.35	-3.42	-0.65	3.59	4.40	-22.16	-88.80	-47.95	-63.01	32.46
7	47	354	3.71	-5.24	-0.55	-0.98	4.47	61.98	-59.02	5.46	-2.49	-60.37
7	47	355	7.48	-6.43	4.42	-3.38	5.76	-31.61	-94.11	-66.16	-59.55	31.08
7	47	356	11.45	-16.12	4.51	-9.19	11.96	-31.61	-123.70	-37.50	-117.81	-22.52
7	47	357	9.21	-13.13	-2.65	-1.27	11.15	95.30	-119.38	44.34	-68.42	-91.34
7	47	358	7.18	-16.17	3.67	-12.66	8.35	69.82	-75.65	-75.26	69.44	-7.46
7	47	359	6.31	-8.82	6.27	-8.78	0.78	108.46	-77.80	-43.75	74.41	-71.99
7	47	360	7.21	-13.69	-0.79	-5.70	10.15	103.75	-109.63	-59.90	54.02	-90.22
7	47	361	8.06	-15.51	-7.32	-0.12	11.22	-13.04	-112.54	-109.91	-15.67	-15.97
7	47	362	4.29	-6.95	-3.80	1.15	5.05	32.94	-106.51	32.67	-106.24	-6.15

7	47	363	3.00	-0.96	2.71	-0.68	1.02	47.63	-130.10	18.72	-101.19	-65.59
7	52	229	8.71	-11.42	-0.87	-1.84	10.05	316.15	3.44	151.05	168.54	-156.11
7	52	230	6.52	-8.19	-1.58	-8.74e-02	7.32	224.52	79.57	157.50	146.59	-72.27
7	52	267	7.59	-9.40	1.54	-3.34	8.14	233.81	66.20	120.13	179.88	-78.30
7	52	269	5.44	-7.06	0.65	-2.27	6.08	280.26	30.17	138.42	172.01	-123.91
7	52	352	1.39	-1.75	1.39	-1.75	-9.37e-02	42.01	-74.90	-11.02	-21.87	-58.20
7	52	353	6.49	-3.46	-0.65	3.68	4.48	-26.15	-81.39	-46.84	-60.70	26.74
7	52	354	4.90	-6.28	-0.37	-1.00	5.58	72.94	-56.56	13.04	3.34	-64.57
7	52	355	7.40	-5.84	4.45	-2.89	5.51	-31.03	-87.11	-62.67	-55.47	27.81
7	52	356	12.51	-15.31	5.59	-8.39	12.03	-30.08	-121.68	-41.06	-110.70	-29.75
7	52	357	11.79	-12.43	-0.20	-0.44	12.11	97.96	-121.94	37.96	-61.94	-97.94
7	52	358	8.05	-14.59	3.90	-10.44	8.76	61.34	-73.13	-71.48	59.69	-14.80
7	52	359	7.07	-7.12	6.63	-6.68	2.46	110.86	-78.68	-37.94	70.12	-77.86
7	52	360	9.89	-13.02	0.72	-3.85	11.22	110.70	-107.63	-47.05	50.12	-97.76
7	52	361	8.83	-15.30	-7.20	0.73	11.39	-14.48	-112.14	-105.24	-21.37	-25.01
7	52	362	5.04	-7.74	-3.99	1.29	5.82	32.22	-100.05	30.65	-98.48	-14.34
7	52	363	3.83	-1.09	2.33	0.41	2.27	59.50	-120.61	23.73	-84.84	-71.86
7	54	229	6.08	-10.29	-1.85	-2.36	8.18	289.29	37.71	154.73	172.26	-125.48
7	54	230	4.00	-6.94	-2.04	-0.90	5.44	198.90	110.31	158.10	151.11	-44.16
7	54	267	5.03	-8.38	0.53	-3.88	6.33	214.84	93.04	123.68	184.19	-52.86
7	54	269	3.30	-6.04	0.17	-2.90	4.41	255.17	55.16	136.68	173.64	-98.28
7	54	352	2.18	-2.17	1.79	-1.78	-1.24	28.64	-78.79	-18.04	-32.11	-53.25
7	54	353	5.50	-3.05	-0.69	3.14	3.82	-17.95	-82.03	-42.83	-57.16	31.23
7	54	354	3.21	-4.50	-0.46	-0.84	3.85	55.34	-56.78	3.06	-4.50	-55.93
7	54	355	6.79	-5.86	4.08	-3.15	5.19	-26.38	-89.34	-60.73	-54.98	31.35
7	54	356	10.52	-14.53	4.35	-8.36	10.79	-30.00	-114.65	-33.34	-111.31	-16.48
7	54	357	8.18	-11.77	-2.39	-1.20	9.95	85.52	-111.24	41.12	-66.84	-82.25
7	54	358	6.66	-14.70	3.60	-11.64	7.48	65.44	-71.32	-71.25	65.38	-2.93
7	54	359	5.79	-8.22	5.77	-8.21	0.42	98.45	-73.64	-43.87	68.67	-65.10
7	54	360	5.77	-12.25	-0.97	-5.50	8.72	93.11	-102.22	-59.21	50.10	-80.94
7	54	361	6.56	-13.93	-6.74	-0.63	9.78	-10.11	-103.87	-102.74	-11.24	-10.24
7	54	362	3.23	-6.01	-3.62	0.84	4.04	30.91	-101.08	30.88	-101.06	-1.74
7	54	363	2.70	-1.00	2.63	-0.93	0.50	40.30	-123.31	15.29	-98.30	-58.88
7	83	229	43.64	-19.99	20.04	3.62	30.74	613.67	-208.53	213.12	192.02	-410.96
7	83	230	37.86	-17.87	13.71	6.29	27.62	449.13	-156.27	153.03	139.82	-302.63
7	83	267	40.33	-14.67	20.50	5.16	26.41	444.27	-138.47	102.00	203.80	-286.89
7	83	269	39.09	-13.15	18.13	7.81	25.60	572.62	-138.37	217.44	216.82	-355.49
7	83	352	24.35	-0.57	10.42	13.36	12.37	379.92	-59.51	150.16	170.24	-219.48
7	83	353	28.08	-21.48	-4.15	10.75	23.64	-41.66	-255.91	-130.10	-167.47	-105.48
7	83	354	49.87	-10.63	24.65	14.59	29.83	455.50	33.77	282.91	206.36	-207.36
7	83	355	38.78	-3.11	18.84	16.82	20.92	-64.99	-190.98	-132.33	-123.63	-62.85
7	83	356	39.82	-20.29	20.52	-0.99	28.06	98.67	-279.03	-128.52	-51.85	-184.92
7	83	357	43.90	-21.80	18.30	3.80	32.04	366.75	-295.97	107.87	-37.08	-323.34
7	83	358	45.74	-8.79	24.34	12.61	26.63	135.32	-258.43	-111.32	-11.78	-190.48
7	83	359	41.82	-0.44	26.95	14.43	20.18	373.59	-177.74	71.79	124.05	-274.42
7	83	360	53.22	-18.94	23.55	10.73	35.51	394.51	-214.96	68.85	110.70	-304.01
7	83	361	43.22	-24.30	8.61	10.32	33.75	76.92	-327.04	-152.30	-97.82	-200.13
7	83	362	26.40	-20.74	-3.26	8.91	22.77	151.76	-249.60	6.87	-104.70	-192.77
7	83	363	32.88	-13.91	8.63	10.34	23.38	338.22	-202.61	118.23	17.38	-265.67
7	86	229	0.27	-32.35	-23.73	-8.35	-14.38	286.86	-38.02	96.34	152.50	160.00
7	86	230	4.48	-30.36	-17.78	-8.09	-16.73	377.09	-51.53	163.16	162.40	214.31
7	86	267	-2.05	-30.31	-19.44	-12.92	-13.75	336.41	-26.46	145.37	164.58	181.18
7	86	269	1.21	-32.62	-17.79	-13.62	-16.79	256.45	-70.05	55.93	130.47	158.93
7	86	352	3.80	-27.56	-6.84	-16.92	-14.85	-94.83	-325.88	-186.24	-234.46	112.98
7	86	353	15.56	-17.24	2.78	-4.46	-16.00	216.79	-119.19	44.45	53.15	167.94
7	86	354	1.69	-43.53	-25.57	-16.27	-22.13	-145.76	-346.39	-276.79	-215.36	95.49
7	86	355	-4.65	-29.15	-10.67	-23.13	-10.55	137.81	-113.28	10.86	13.67	125.54
7	86	356	-7.00	-20.54	-11.82	-15.73	-6.48	136.90	-245.83	61.84	-170.77	151.96
7	86	357	0.14	-29.43	-23.09	-6.20	-12.13	101.64	-223.87	-25.63	-96.59	158.84
7	86	358	-11.55	-41.49	-17.14	-35.89	-11.67	259.72	-148.36	-31.19	142.55	184.62
7	86	359	-2.30	-43.94	-15.40	-30.84	-19.33	95.01	-241.25	-159.53	13.29	144.23
7	86	360	-5.45	-41.78	-25.49	-21.73	-18.07	68.48	-266.26	-187.27	-10.51	142.14
7	86	361	-1.70	-31.96	-22.09	-11.58	-14.19	201.88	-179.71	-53.18	75.35	179.65
7	86	362	9.17	-20.37	-3.97	-7.23	-14.68	182.78	-225.30	54.90	-97.42	189.29
7	86	363	15.02	-30.60	-3.37	-12.20	-22.38	10.02	-311.65	-87.65	-213.99	147.91
7	115	229	23.57	-14.91	8.14	0.51	18.86	441.82	-78.95	181.59	181.27	-260.38
7	115	230	19.90	-12.11	5.23	2.56	15.95	317.08	-15.61	155.74	145.73	-166.27
7	115	267	21.44	-11.50	9.67	0.27	15.78	321.33	-15.30	113.42	192.61	-163.59
7	115	269	20.03	-9.47	8.41	2.15	14.41	403.61	-35.69	174.09	193.83	-219.43
7	115	352	10.77	0.18	5.76	5.18	5.29	192.41	-69.58	60.37	62.46	-130.99
7	115	353	16.19	-11.72	-2.33	6.81	13.19	-61.26	-132.71	-84.94	-109.03	-33.63
7	115	354	25.16	-7.56	11.15	6.45	16.19	243.07	-13.78	134.07	95.22	-126.95
7	115	355	21.12	-4.35	10.83	5.94	12.50	-76.62	-105.68	-94.87	-87.42	-14.04
7	115	356	24.06	-17.30	11.79	-5.02	18.90	15.58	-177.73	-77.86	-84.30	-96.60
7	115	357	24.81	-16.44	7.16	1.20	20.41	215.29	-195.85	72.50	-53.06	-195.75
7	115	358	24.08	-11.54	13.11	-0.57	16.44	78.95	-139.83	-90.33	29.45	-91.53
7	115	359	20.63	-2.97	15.50	2.16	9.74	220.77	-117.00	9.03	94.74	-163.36

7	115	360	28.00	-15.61	10.23	2.16	21.43	229.50	-151.28	-0.24	78.46	-186.28
7	115	361	23.72	-18.75	0.38	4.59	21.13	17.28	-196.28	-126.55	-52.46	-100.15
7	115	362	14.19	-12.93	-3.47	4.73	12.93	68.76	-152.24	19.25	-102.73	-92.15
7	115	363	16.21	-6.38	5.39	4.43	11.29	175.22	-155.65	63.64	-44.07	-156.42

M_G	N max	N min	N 1	N 2	N 1-2	M max	M min	M 1	M 2	M 1-2
	53.22	-43.94	-25.57	-35.89	-22.38	678.90	-346.39	-276.79	-234.46	-459.52
			26.95	16.82	35.88			282.91	255.30	214.31

Elem.	Cmb	Nodo	Von Mises	N max	N min	N 1	N 2	N 1-2	M max	M min	M 1	M 2	M 1-2
			daN/cm2	daN/cm	daN/cm	daN/cm	daN/cm	daN/cm	daN	daN	daN	daN	daN
1	18	114	6.32	22.01	-30.07	-14.26	6.20	-23.95	85.24	-229.51	-192.74	48.46	-101.10
		80	10.86	8.73	-52.94	3.52	-47.74	17.14	80.81	-547.46	-545.79	79.14	-32.35
		113	6.32	5.45	-69.82	-52.17	-12.20	-31.89	-177.66	-377.84	-199.23	-356.27	62.07
		115	7.70	32.32	-40.05	-25.76	18.03	28.81	-20.94	-346.55	-134.38	-233.11	-155.14
1	41	114	4.43	16.47	-21.10	-9.45	4.82	-17.38	60.51	-158.85	-134.78	36.43	-68.57
		80	7.64	6.44	-39.01	2.71	-35.28	12.47	64.29	-373.80	-372.61	63.10	-22.75
		113	4.59	4.51	-48.99	-36.43	-8.06	-22.68	-122.25	-272.66	-137.26	-257.65	45.07
		115	5.41	22.95	-28.93	-18.11	12.13	21.08	-21.88	-244.87	-97.77	-168.98	-105.66
1	47	114	2.64	16.31	-10.62	-1.14	6.84	-12.86	46.42	-87.61	-82.87	41.67	-24.77
		80	4.98	5.52	-35.60	2.99	-33.07	9.88	108.82	-141.82	-140.90	107.90	-15.16
		113	4.38	11.19	-26.57	-18.90	3.53	-15.19	-57.92	-245.99	-66.27	-237.64	38.75
		115	3.43	15.22	-23.46	-10.46	2.22	18.27	-71.76	-177.40	-91.36	-157.80	-41.07
1	54	114	2.41	15.72	-10.00	-0.72	6.44	-12.35	42.61	-77.96	-73.98	38.63	-21.54
		80	4.58	5.41	-33.85	2.96	-31.41	9.49	100.11	-125.26	-124.43	99.29	-13.62
		113	3.97	9.87	-24.64	-17.37	2.60	-14.07	-50.63	-222.49	-58.30	-214.82	35.49
		115	3.11	14.17	-22.05	-9.69	1.80	17.17	-66.85	-159.43	-83.62	-142.66	-35.66
1	83	114	7.08	8.52	-14.91	3.79	-10.18	-9.41	128.31	-376.51	-356.87	108.68	-97.60
		80	8.20	-6.04	-51.71	-9.72	-48.03	12.43	59.09	-422.17	-418.93	55.85	-39.36
		113	4.04	-10.63	-50.51	-47.12	-14.03	-11.13	-126.51	-190.53	-127.08	-189.96	6.02
		115	5.42	-2.25	-47.01	-34.44	-14.82	20.12	42.58	-251.05	-144.51	-63.96	-141.19
1	115	114	4.38	11.19	-10.93	1.31	-1.05	-11.00	80.99	-218.33	-206.75	69.41	-57.72
		80	6.23	0.22	-41.90	-2.78	-38.89	10.84	81.98	-264.29	-262.38	80.08	-25.63
		113	3.36	0.26	-36.34	-31.19	-4.89	-12.72	-86.46	-207.70	-90.50	-203.67	21.75
		115	3.98	6.64	-33.52	-21.20	-5.68	18.52	-25.16	-194.83	-112.16	-107.83	-84.81
2	18	116	2.62	5.91	-9.37	-9.07	5.60	-2.15	157.12	-10.16	104.98	41.98	-77.48
		114	4.02	-10.82	-15.72	-11.90	-14.64	2.02	26.74	-243.12	-212.07	-4.30	-86.10
		115	6.07	15.27	-31.78	-28.69	12.18	11.65	14.34	-311.76	-114.99	-182.43	-159.52
		117	7.16	21.22	-24.74	-1.54	-1.98	22.98	207.46	-190.74	21.63	-4.91	-198.66
2	41	116	1.74	4.06	-5.93	-5.55	3.68	-1.91	106.31	-8.41	70.90	27.01	-52.99
		114	2.72	-6.91	-11.55	-7.85	-10.61	1.87	16.77	-167.56	-148.08	-2.72	-56.67
		115	4.23	10.42	-22.14	-19.88	8.17	8.26	7.86	-218.17	-80.33	-129.98	-110.26
		117	4.95	14.41	-18.01	-1.27	-2.33	16.20	142.83	-130.04	14.97	-2.19	-136.16
2	52	116	1.05	4.62	-1.87	1.54	1.20	-3.24	43.87	-13.35	27.13	3.39	-26.03
		114	1.64	-0.11	-9.67	-1.59	-8.20	3.46	2.13	-90.75	-88.64	0.01	-13.84
		115	2.53	5.03	-12.77	-10.66	2.92	5.75	-8.90	-136.07	-48.55	-96.42	-58.91
		117	2.63	6.28	-14.69	-1.62	-6.79	10.16	70.27	-63.23	7.08	-0.04	-66.65
2	54	116	0.97	5.97	-1.74	3.39	0.84	-3.64	31.35	-15.81	17.61	-2.07	-21.43
		114	1.50	1.54	-9.56	-0.06	-7.96	3.90	0.78	-79.51	-79.28	0.54	-4.32
		115	2.26	4.16	-11.26	-8.98	1.88	5.48	-13.19	-124.65	-43.51	-94.33	-49.60
		117	2.21	4.78	-14.65	-1.72	-8.15	9.17	55.56	-51.51	5.33	-1.28	-53.43
2	59	116	4.57	9.30	-26.35	-22.01	4.96	-11.66	145.57	-110.48	5.31	29.79	-127.44
		114	5.51	-3.14	-28.05	-27.35	-3.84	-4.12	199.39	-146.51	-101.01	153.89	-116.92
		115	3.45	6.22	-22.68	-22.45	5.99	-2.55	130.83	-78.72	-1.82	53.93	-101.00
		117	2.86	-3.88	-13.16	-13.02	-4.03	1.15	125.88	-76.18	23.02	26.69	-101.01
2	96	116	1.89	5.91	-6.23	-2.22	1.91	-5.71	32.62	-72.13	-18.79	-20.72	-52.36
		114	2.19	-4.67	-8.40	-6.18	-6.90	1.83	-65.59	-152.27	-129.41	-88.45	-38.20
		115	3.29	3.67	-12.98	-12.25	2.94	3.41	-38.93	-208.28	-68.61	-178.60	-64.38
		117	2.38	1.50	-12.95	-4.36	-7.08	7.10	67.29	-66.75	-5.85	6.38	-66.74
3	17	77	9.40	10.71	-10.17	10.07	-9.53	-3.58	524.01	-92.35	521.71	-90.05	37.58
		116	4.32	12.46	-18.20	-6.76	1.01	14.83	189.07	-23.98	101.45	63.64	-104.83
		117	5.85	28.03	-7.30	-4.47	25.21	9.59	157.27	-200.20	9.24	-52.17	-176.07
		112	9.34	5.61	-62.65	-0.26	-56.78	19.13	492.16	226.28	263.57	454.87	-92.33
3	40	77	6.46	7.70	-8.41	7.05	-7.76	-3.17	360.21	-59.01	358.77	-57.58	24.51
		116	2.95	9.26	-12.25	-3.92	0.93	10.48	127.36	-16.93	68.61	41.81	-70.89
		117	3.98	17.68	-5.29	-3.36	15.75	6.37	108.48	-137.50	5.23	-34.25	-121.39
		112	6.28	4.24	-42.46	0.17	-38.39	13.17	330.11	155.22	180.35	304.98	-61.34
3	52	77	3.31	5.61	-11.43	3.99	-9.81	-4.99	189.07	1.60	188.96	1.72	4.58
		116	1.32	8.24	-3.73	2.58	1.93	5.98	49.55	-12.62	26.46	10.47	-30.04
		117	1.89	0.10	-4.69	-2.93	-1.66	2.31	54.54	-75.18	-6.20	-14.44	-64.73
		112	2.13	4.97	-15.50	3.04	-13.57	5.97	112.53	72.29	85.81	99.01	-19.01
3	54	77	2.71	5.20	-12.19	3.33	-10.33	-5.38	157.99	17.57	157.99	17.57	-0.07
		116	0.99	8.20	-1.71	4.21	2.28	4.86	33.15	-12.71	16.95	3.49	-21.92
		117	1.55	-2.17	-6.60	-2.82	-5.94	1.57	43.38	-65.07	-9.67	-12.02	-54.21
		112	1.19	5.50	-9.05	4.07	-7.62	4.33	71.05	45.95	66.30	50.70	-9.83
3	83	77	7.09	-15.51	-28.71	-28.58	-15.65	1.35	442.45	139.79	438.62	143.63	-33.87

		116	6.09	2.30	-28.16	-22.81	-3.05	11.59	320.91	24.54	283.03	62.42	-98.94
		117	5.37	19.13	-13.54	16.86	-11.27	8.30	220.63	-136.28	65.86	18.50	-176.88
		112	3.98	21.36	-16.51	17.79	-12.95	11.06	234.13	61.13	156.31	138.94	-86.06
3	115	77	4.33	-9.75	-14.45	-11.36	-12.84	-2.23	292.56	76.24	291.42	77.38	-15.62
		116	3.23	4.74	-13.14	-8.17	-0.23	8.01	167.97	6.20	143.40	30.77	-58.06
		117	3.35	7.90	-9.82	6.54	-8.45	4.73	126.69	-99.00	26.11	1.58	-112.18
		112	2.47	13.02	-12.55	10.61	-10.13	7.48	147.13	54.40	109.03	92.50	-45.62
4	18	113	7.06	-9.21	-29.26	-12.22	-26.25	7.16	61.78	-359.65	40.83	-338.70	91.60
		119	9.43	-2.48	-50.06	-13.03	-39.52	19.76	-69.30	-496.83	-174.41	-391.72	184.09
		118	5.92	38.38	-4.14	27.99	6.25	-18.27	187.50	-125.74	-49.26	111.03	134.56
		80	8.27	24.31	-56.51	9.56	-41.75	31.22	542.91	263.65	542.85	263.71	-3.96
4	41	113	5.03	-5.65	-20.72	-8.05	-18.31	5.52	38.61	-258.33	23.02	-242.74	66.23
		119	6.72	-1.27	-36.88	-9.34	-28.82	14.91	-52.01	-350.68	-122.35	-280.33	126.74
		118	4.21	28.70	-2.56	21.43	4.70	-13.20	128.17	-90.69	-39.84	77.32	92.44
		80	5.73	17.84	-41.50	7.25	-30.92	22.72	370.63	183.74	370.57	183.80	-3.43
4	47	113	3.19	7.29	-11.90	0.88	-5.49	9.05	-7.66	-170.08	-24.73	-153.02	49.80
		119	4.65	3.64	-36.19	-6.17	-26.37	17.17	-37.90	-202.75	-62.54	-178.11	58.77
		118	2.98	30.76	2.37	27.65	5.48	-8.87	53.03	-70.05	-53.31	36.28	42.19
		80	2.98	15.63	-36.81	7.87	-29.05	18.63	140.48	86.05	140.14	86.40	-4.33
4	54	113	3.01	6.20	-11.28	0.68	-5.76	8.12	-9.47	-161.45	-25.63	-145.28	46.85
		119	4.32	3.54	-33.76	-5.86	-24.36	16.20	-37.53	-189.46	-58.16	-168.83	52.04
		118	2.80	29.00	1.98	25.85	5.13	-8.67	47.64	-66.08	-52.03	33.59	37.42
		80	2.78	14.83	-34.98	7.56	-27.71	17.58	124.22	79.23	123.70	79.74	-4.78
4	59	113	5.76	-14.69	-21.28	-14.71	-21.26	0.42	6.04	-334.50	-29.24	-299.21	103.79
		119	9.76	-13.53	-42.60	-16.27	-39.86	8.50	-45.80	-549.56	-87.94	-507.42	139.48
		118	4.82	18.70	-19.59	9.48	-10.36	-16.38	-60.51	-291.57	-60.93	-291.15	9.91
		80	3.47	-10.90	-46.23	-13.92	-43.21	9.87	137.12	-51.90	101.34	-16.12	-74.05
4	91	113	4.20	-3.80	-15.12	-6.26	-12.65	4.67	-2.57	-238.27	-27.18	-213.66	72.07
		119	6.70	-4.52	-37.33	-10.59	-31.25	12.75	-41.07	-349.20	-71.06	-319.20	91.33
		118	2.40	24.18	-7.42	18.51	-1.76	-12.12	-45.54	-120.98	-55.54	-110.99	25.57
		80	3.01	3.23	-39.88	-2.05	-34.60	14.13	128.71	23.89	114.73	37.87	-35.63
5	18	119	6.95	-9.12	-29.99	-9.12	-29.99	0.01	-12.63	-397.71	-76.56	-333.78	143.29
		121	4.51	17.00	-20.61	16.97	-20.57	1.20	-14.78	-231.89	-58.19	-188.49	86.83
		120	5.82	21.06	-28.53	6.71	-14.17	-22.49	28.87	-241.76	-183.85	-29.04	110.99
		118	4.68	27.56	-8.77	25.47	-6.67	8.46	182.14	-130.95	-23.31	74.51	148.71
5	41	119	4.94	-6.39	-21.40	-6.40	-21.39	0.41	-12.90	-282.39	-55.43	-239.86	98.25
		121	3.22	10.90	-15.03	10.85	-14.98	1.15	-16.41	-166.19	-42.60	-140.01	56.89
		120	4.09	16.86	-18.81	7.59	-9.54	-15.64	19.64	-166.17	-128.35	-18.19	74.81
		118	3.26	21.18	-7.08	19.56	-5.47	6.56	123.15	-93.01	-21.57	51.70	101.68
5	47	119	3.24	-1.40	-16.38	-3.17	-14.61	4.84	-25.14	-174.57	-39.22	-160.49	43.66
		121	2.27	-0.96	-14.01	-2.08	-12.90	3.65	-31.93	-120.57	-33.20	-119.30	10.52
		120	2.85	31.47	-2.36	30.02	-0.90	-6.86	9.06	-76.54	-69.00	1.52	24.26
		118	2.47	27.92	-11.26	25.95	-9.28	8.57	45.12	-62.25	-41.74	24.61	42.21
5	54	119	3.01	-1.31	-15.16	-2.96	-13.51	4.48	-25.73	-163.69	-37.37	-152.05	38.35
		121	2.15	-1.18	-13.11	-2.28	-12.01	3.44	-31.13	-115.61	-31.72	-115.02	7.00
		120	2.62	29.57	-2.05	28.24	-0.72	-6.35	9.12	-68.11	-62.12	3.13	20.66
		118	2.34	26.08	-10.84	24.21	-8.97	8.10	39.39	-58.41	-41.50	22.48	36.98
5	56	119	6.84	6.78	-23.54	5.63	-22.40	-5.77	-97.50	-430.16	-116.83	-410.83	77.83
		121	7.96	5.85	-22.63	4.11	-20.90	-6.81	-111.85	-497.96	-115.11	-494.70	-35.32
		120	6.50	12.30	-22.17	-0.27	-9.60	-16.59	-268.42	-432.41	-286.88	-413.95	-51.83
		118	4.72	-1.82	-18.14	-2.11	-17.85	-2.15	-216.77	-310.22	-262.30	-264.69	-46.71
5	109	119	3.66	-0.48	-15.26	-0.86	-14.88	2.34	-29.25	-208.61	-49.10	-188.76	56.27
		121	1.40	-0.40	-13.51	-0.53	-13.38	1.30	17.21	-71.01	-45.75	-8.05	39.89
		120	4.68	21.53	-5.13	18.48	-2.08	-8.48	147.38	-123.73	-96.21	119.86	81.88
		118	2.48	16.12	-11.67	14.78	-10.33	5.96	31.27	-122.67	-73.38	-18.02	71.82
6	21	121	3.76	18.65	-26.14	12.84	-20.33	-15.05	64.45	-166.28	30.14	-131.97	82.08
		102	4.43	45.09	4.70	44.90	4.89	-2.79	-107.01	-206.85	-183.85	-130.01	-42.04
		5	6.14	-1.15	-40.91	-32.65	-9.41	-16.13	-44.31	-329.29	-328.23	-45.37	17.35
		120	3.57	-1.23	-13.46	-3.50	-11.19	4.75	5.61	-212.79	-168.88	-38.30	87.53
6	40	121	3.16	11.97	-21.98	7.39	-17.39	-11.60	32.95	-147.88	13.82	-128.75	55.62
		102	3.22	30.75	1.89	30.73	1.91	-0.87	-84.43	-162.27	-135.78	-110.93	-36.88
		5	3.78	1.54	-27.28	-14.97	-10.77	-14.25	-22.98	-221.99	-220.62	-24.35	16.46
		120	2.64	8.07	-8.72	6.53	-7.18	4.84	7.26	-161.53	-132.96	-21.32	63.30
6	47	121	2.47	-1.06	-16.36	-3.78	-13.64	-5.85	-13.83	-130.92	-14.62	-130.13	9.60
		102	1.60	5.03	-5.83	3.99	-4.80	3.19	-33.70	-110.18	-57.74	-86.15	-35.50
		5	2.73	25.92	-19.42	22.20	-15.70	-12.44	17.27	-40.32	-37.58	14.54	12.25
		120	2.68	31.39	-0.07	30.29	1.02	5.76	11.34	-79.84	-75.67	7.17	19.05
6	54	121	2.37	-1.23	-15.15	-3.79	-12.60	-5.39	-16.95	-127.44	-17.22	-127.17	5.46
		102	1.45	4.03	-5.77	2.90	-4.64	3.13	-28.45	-100.55	-48.47	-80.53	-32.29
		5	2.45	24.76	-18.16	21.35	-14.75	-11.60	21.21	-24.03	-19.98	17.16	12.91
		120	2.50	29.52	-0.13	28.47	0.92	5.49	13.16	-71.56	-68.40	10.00	16.05
6	62	121	3.27	3.43	-38.12	-37.16	2.48	6.22	167.81	46.82	73.19	141.44	49.95
		102	2.65	15.06	-36.48	-31.85	10.43	14.74	35.84	-2.78	-2.66	35.72	-2.18
		5	7.40	101.41	0.32	101.41	0.32	9.20e-03	168.72	-107.88	-50.39	111.23	-112.24
		120	10.45	112.66	12.97	109.64	15.99	17.11	378.95	-89.98	-73.05	362.02	-87.48
6	94	121	1.38	-6.01	-18.80	-18.80	-6.01	-0.24	36.21	-22.89	22.95	-9.63	24.65
		102	1.39	5.66	-16.50	-12.79	1.94	8.28	-9.04	-47.52	-27.77	-28.80	-19.23

		5	4.19	57.77	-8.80	57.14	-8.17	-6.45	75.68	-49.66	-32.93	58.95	-42.63
		120	5.92	66.72	5.59	64.80	7.51	10.65	170.46	-74.17	-70.41	166.69	-30.10
7	18	112	10.36	-0.97	-65.33	-4.93	-61.38	-15.46	566.35	259.12	270.27	555.20	57.47
		123	5.50	19.71	-14.76	-13.72	18.67	-5.91	209.86	-166.25	9.54	34.07	187.66
		122	4.15	17.38	-12.82	7.20	-2.64	-14.27	208.73	-11.10	142.86	54.76	100.70
		77	10.19	18.32	-12.41	14.26	-8.34	10.41	540.13	-131.90	538.63	-130.40	-31.74
7	41	112	6.90	-0.62	-44.11	-3.27	-41.46	-10.40	375.69	176.11	183.82	367.98	38.47
		123	3.71	11.94	-10.24	-9.69	11.39	-3.46	140.63	-116.86	3.93	19.84	128.49
		122	2.83	12.88	-8.66	5.83	-1.61	-10.11	141.12	-7.63	96.03	37.46	68.37
		77	6.98	13.01	-9.97	9.98	-6.94	7.77	371.07	-83.65	370.09	-82.67	-21.09
7	52	112	2.01	0.63	-15.43	-0.11	-14.68	-3.37	104.85	73.27	80.49	97.64	13.26
		123	1.80	-2.30	-6.49	-6.02	-2.77	1.33	46.82	-77.95	-15.51	-15.62	62.38
		122	1.32	11.29	-2.66	8.17	0.45	-5.81	58.61	-4.90	34.89	18.83	30.72
		77	3.40	8.33	-11.99	5.71	-9.37	6.81	190.75	3.10	190.54	3.30	-6.19
7	54	112	0.95	1.27	-8.50	1.00	-8.23	-1.60	61.35	32.18	59.23	34.30	7.58
		123	1.64	-3.42	-8.29	-5.34	-6.37	2.38	26.16	-73.41	-21.42	-25.82	49.74
		122	1.06	11.33	-1.10	9.24	0.99	-4.65	42.88	-5.50	21.89	15.49	23.98
		77	2.73	7.39	-12.50	4.83	-9.94	6.66	159.13	25.74	159.07	25.80	-2.66
7	83	112	4.62	11.39	-19.23	7.23	-15.07	-10.49	263.64	61.90	141.61	183.94	98.62
		123	6.09	8.12	-15.20	6.13	-13.21	-6.51	289.86	-104.69	55.58	129.58	193.77
		122	6.51	8.32	-18.78	-4.61	-5.85	-13.54	410.78	108.51	318.50	200.79	139.21
		77	6.89	-12.92	-18.06	-14.21	-16.78	-2.22	478.88	203.31	464.11	218.08	62.06
7	115	112	2.61	5.86	-13.43	3.91	-11.48	-5.81	152.02	49.70	97.87	103.85	51.08
		123	3.40	0.39	-9.96	0.06	-9.62	-1.84	148.84	-89.76	14.32	44.76	118.33
		122	3.45	9.45	-8.97	2.74	-2.26	-8.86	214.49	47.15	161.57	100.06	77.81
		77	4.15	-3.53	-13.81	-4.15	-13.18	2.45	306.92	111.68	303.06	115.53	27.16
8	18	123	7.32	12.75	-27.82	-9.86	-5.21	-20.15	248.95	-176.78	15.58	56.59	211.87
		125	6.09	9.76	-32.17	-30.12	7.71	-9.05	85.49	-284.72	-72.54	-126.69	183.12
		124	4.59	2.04	-22.46	1.46	-21.88	-3.73	34.09	-236.07	-196.26	-5.72	95.76
		122	3.14	11.48	0.59	4.00	8.07	5.05	185.55	8.90	144.09	50.37	74.87
8	41	123	5.00	8.23	-19.79	-7.01	-4.56	-13.96	167.67	-121.67	10.05	35.94	144.09
		125	4.17	6.11	-22.47	-20.99	4.64	-6.32	56.19	-196.47	-50.47	-89.81	124.79
		124	3.21	2.38	-16.06	1.87	-15.55	-3.03	22.67	-161.72	-135.37	-3.68	64.53
		122	2.21	8.59	0.40	3.65	5.35	4.01	125.89	4.65	96.82	33.72	51.76
8	47	123	2.04	0.32	-14.61	-4.87	-9.43	-7.11	46.13	-63.53	-2.78	-14.62	54.51
		125	1.82	-1.56	-13.99	-12.84	-2.71	-3.59	8.49	-94.68	-27.12	-59.07	49.05
		124	2.11	10.27	-13.20	9.41	-12.35	-4.40	7.12	-74.69	-66.82	-0.75	24.12
		122	1.54	13.10	-0.81	9.54	2.75	6.08	51.01	-12.69	27.55	10.76	30.72
8	54	123	1.79	0.02	-13.37	-4.43	-8.92	-6.31	39.33	-56.29	-2.72	-14.23	47.46
		125	1.61	-1.74	-12.35	-11.21	-2.88	-3.29	5.06	-85.85	-24.84	-55.96	42.71
		124	1.87	9.31	-11.69	8.40	-10.78	-4.28	5.65	-65.32	-59.46	-0.21	19.54
		122	1.36	11.90	-1.26	8.77	1.88	5.60	42.95	-11.57	22.66	8.72	26.35
8	83	123	5.98	5.33	-15.91	-9.52	-1.06	-9.74	280.44	-106.02	38.05	136.37	186.87
		125	5.63	7.00	-17.44	-15.42	4.98	-6.72	211.40	-173.69	6.12	31.60	192.12
		124	3.64	1.42	-16.62	-12.28	-2.92	-7.71	177.87	-34.00	44.06	99.82	102.20
		122	3.51	9.94	-13.30	-13.09	9.74	2.17	238.88	76.42	140.68	174.61	79.44
8	115	123	3.75	1.96	-14.06	-6.88	-5.21	-7.97	149.86	-79.95	15.80	54.10	113.30
		125	3.43	2.40	-14.80	-13.24	0.84	-4.95	100.06	-125.74	-10.45	-15.23	112.87
		124	2.32	2.36	-10.81	-1.38	-7.07	-5.94	82.65	-48.60	-12.09	46.14	58.81
		122	2.17	7.33	-3.32	-1.58	5.59	3.94	132.35	28.15	76.46	84.04	51.96
9	18	125	7.77	29.96	-63.32	-38.27	4.91	-41.34	35.39	-255.62	-84.69	-135.54	143.26
		111	6.88	-13.16	-90.92	-66.57	-37.52	36.06	-200.32	-307.32	-206.00	-301.64	-23.99
		74	13.75	30.25	-97.67	19.60	-87.02	-35.34	67.66	-584.87	-584.12	66.92	22.04
		124	7.79	52.63	-29.08	5.66	17.89	40.39	101.54	-242.25	-171.43	30.72	139.04
9	41	125	5.38	20.86	-44.96	-26.76	2.66	-29.44	19.02	-177.54	-60.83	-97.69	96.53
		111	4.77	-9.40	-63.14	-46.15	-26.38	24.98	-136.17	-215.84	-140.21	-211.79	-17.49
		74	9.54	21.58	-69.32	13.97	-61.71	-25.17	50.82	-396.97	-396.44	50.29	15.41
		124	5.41	37.56	-20.17	4.80	12.59	28.61	70.61	-166.20	-118.25	22.66	95.16
9	47	125	2.86	11.98	-35.04	-17.51	-5.55	-22.74	-31.35	-93.71	-49.11	-75.95	28.14
		111	2.66	-8.80	-37.44	-25.93	-20.32	14.04	-46.11	-123.84	-48.98	-120.97	-14.67
		74	5.70	18.69	-55.51	12.27	-49.09	-20.85	55.46	-149.38	-148.86	54.94	10.33
		124	3.27	32.81	-10.46	11.68	10.67	21.63	44.76	-78.56	-56.31	22.51	47.42
9	54	125	2.53	10.64	-30.95	-15.19	-5.13	-20.18	-30.79	-86.09	-44.93	-71.95	24.12
		111	2.37	-7.33	-32.07	-22.46	-16.93	12.06	-41.31	-116.58	-43.91	-113.99	-13.74
		74	4.96	16.11	-48.12	10.49	-42.50	-18.15	52.46	-126.78	-126.33	52.01	8.95
		124	2.82	28.39	-9.30	10.25	8.84	18.83	38.46	-68.63	-50.80	20.63	39.90
9	67	125	4.73	5.92	-41.18	-35.73	0.48	-15.05	67.05	-203.63	-105.41	-31.17	130.15
		111	4.26	-4.22	-52.89	-45.78	-11.32	17.18	-63.65	-148.66	-107.36	-104.95	42.49
		74	8.26	17.84	-39.99	14.74	-36.89	-13.03	-13.07	-425.17	-421.09	-17.15	40.83
		124	8.01	33.04	-16.42	2.18	14.45	23.96	92.47	-378.41	-341.52	55.58	126.53
9	99	125	3.51	7.38	-34.61	-24.71	-2.51	-17.82	10.01	-136.48	-73.34	-53.13	72.54
		111	3.02	-6.56	-41.10	-33.34	-14.32	14.42	-69.91	-113.13	-73.38	-109.66	11.75
		74	6.36	16.85	-44.28	12.46	-39.88	-15.79	21.38	-265.14	-263.15	19.40	23.75
		124	5.05	30.30	-12.38	6.46	11.46	21.19	62.94	-211.86	-186.05	37.13	80.16
10	18	74	10.56	42.97	-95.62	28.30	-80.95	-42.63	581.44	251.41	577.65	255.20	35.16
		126	8.04	67.41	-1.86	42.16	23.39	33.34	240.27	-148.33	-54.45	146.40	-166.34
		127	10.10	0.87	-60.62	-22.63	-37.12	-29.88	-133.62	-538.96	-197.51	-475.08	-147.69

		111	7.69	-31.45	-47.98	-31.47	-47.95	0.63	73.99	-373.72	42.59	-342.32	-114.33
10	41	74	7.28	30.43	-67.94	20.00	-57.51	-30.28	394.74	172.47	391.93	175.28	24.83
		126	5.60	47.73	-1.41	29.81	16.52	23.65	163.92	-103.65	-40.75	101.02	-113.46
		127	7.02	0.10	-42.76	-16.07	-26.59	-20.77	-94.60	-373.99	-136.43	-332.16	-99.69
		111	5.37	-21.61	-33.82	-21.67	-33.76	0.82	48.25	-262.31	26.04	-240.10	-80.02
10	52	74	3.95	21.34	-48.18	14.22	-41.05	-21.08	170.92	81.10	167.93	84.08	16.10
		126	3.27	33.28	-0.73	20.76	11.79	16.40	75.97	-62.63	-38.22	51.56	-52.80
		127	3.98	-2.96	-28.36	-11.56	-19.76	-12.02	-58.32	-205.90	-69.69	-194.53	-39.36
		111	3.14	-11.09	-22.63	-11.76	-21.97	2.70	9.26	-158.32	-5.71	-143.35	-47.80
10	54	74	3.50	21.07	-47.27	14.36	-40.56	-20.33	127.90	63.23	124.29	66.84	14.85
		126	2.96	32.69	-0.35	20.41	11.94	15.97	59.54	-57.39	-39.91	42.06	-41.69
		127	3.49	-3.77	-26.88	-11.53	-19.11	-10.92	-51.08	-178.30	-56.97	-172.42	-26.72
		111	2.82	-9.63	-22.15	-10.66	-21.11	3.45	-0.45	-143.53	-14.49	-129.50	-42.55
10	83	74	7.28	14.38	-56.82	3.11	-45.56	-25.98	436.09	121.07	436.08	121.07	1.68
		126	5.65	31.39	2.59	27.04	6.94	10.31	303.45	-61.06	260.03	-17.63	-118.08
		127	6.88	-5.13	-38.57	-19.58	-24.11	-16.57	47.82	-324.08	-20.35	-255.91	-143.89
		111	4.10	-18.75	-26.76	-19.41	-26.11	-2.20	59.68	-185.36	30.71	-156.39	-79.12
10	115	74	5.24	17.80	-51.61	9.15	-42.96	-22.92	270.35	91.15	269.91	91.60	8.91
		126	3.20	31.61	1.44	23.51	9.54	13.37	145.11	-31.66	99.88	13.57	-77.13
		127	5.01	-4.61	-32.31	-15.41	-21.51	-13.51	-7.35	-245.47	-40.22	-212.61	-82.13
		111	3.39	-14.79	-23.59	-14.87	-23.51	0.86	27.80	-163.67	6.51	-142.38	-60.19
11	18	126	5.40	35.75	-20.43	35.28	-19.96	-5.11	208.90	-133.39	-19.90	95.40	-161.14
		128	5.64	29.76	1.03	23.57	7.23	11.81	76.10	-237.79	-129.27	-32.42	-149.28
		129	2.56	5.03	-10.68	4.99	-10.64	0.78	10.97	-138.18	-25.36	-101.85	-64.02
		127	6.74	-12.62	-19.23	-13.09	-18.77	-1.69	-45.92	-422.85	-94.08	-374.69	-125.83
11	41	126	3.73	25.35	-14.36	24.96	-13.97	-3.89	141.55	-92.43	-16.89	66.01	-109.40
		128	3.89	20.93	-0.10	16.38	4.44	8.66	51.96	-161.37	-88.15	-21.27	-101.29
		129	1.74	3.15	-7.78	3.07	-7.69	0.96	3.55	-95.28	-18.05	-73.68	-40.85
		127	4.68	-9.23	-13.77	-9.31	-13.69	-0.58	-34.77	-294.53	-66.20	-263.10	-84.72
11	47	126	2.21	20.78	-8.97	20.24	-8.43	-3.97	53.58	-50.44	-30.54	33.67	-40.92
		128	2.03	15.17	-5.91	10.81	-1.55	8.54	21.81	-59.83	-35.56	-2.46	-37.31
		129	1.23	0.80	-8.38	-1.06	-6.53	3.68	-12.43	-62.55	-12.81	-62.18	4.30
		127	2.72	-5.52	-14.76	-8.20	-12.08	4.19	-36.07	-169.20	-41.48	-163.79	-26.28
11	54	126	1.93	17.89	-7.99	17.29	-7.38	-3.90	46.09	-44.83	-28.49	29.74	-34.91
		128	1.78	12.95	-6.15	8.79	-1.99	7.88	18.47	-51.57	-31.21	-1.89	-31.80
		129	1.14	0.83	-7.96	-1.03	-6.09	3.59	-10.79	-56.11	-11.44	-55.46	5.40
		127	2.43	-4.53	-13.82	-7.02	-11.33	4.12	-32.67	-149.63	-37.03	-145.27	-22.16
11	83	126	7.23	20.66	-19.55	12.57	-11.46	-16.12	145.48	-293.91	-82.36	-66.06	-219.54
		128	6.04	5.19	-7.73	3.53	-6.07	-4.33	223.88	-222.04	-69.45	71.29	-211.56
		129	3.11	7.83	-14.30	3.70	-10.17	-8.62	87.15	-96.55	-21.34	11.95	-90.33
		127	5.46	1.69	-19.24	-2.14	-15.41	-8.10	-1.19	-297.86	-63.39	-235.66	-120.77
11	117	126	3.05	14.58	-12.82	12.96	-11.21	-6.45	37.39	-144.04	-68.58	-38.06	-89.42
		128	3.00	6.22	-8.18	3.85	-5.82	5.34	67.37	-116.20	-62.18	13.34	-83.66
		129	1.13	2.54	-10.01	2.45	-9.92	1.05	-7.44	-53.36	-19.21	-41.59	-20.05
		127	3.68	-3.29	-15.36	-3.50	-15.15	1.57	-40.58	-223.59	-55.32	-208.85	-49.80
12	18	128	4.24	22.30	7.01	21.88	7.43	-2.50	79.86	-219.58	-97.16	-42.56	-147.21
		5	4.58	7.60	-17.48	7.46	-17.34	-1.87	-58.02	-283.61	-280.11	-61.52	-27.90
		102	1.55	23.41	2.21	15.06	10.56	10.36	20.42	-36.28	-36.05	20.19	-3.59
		129	3.08	14.44	-14.57	4.79	-4.93	13.67	50.37	-107.85	7.66	-65.14	-70.24
12	41	128	2.83	15.86	4.51	15.26	5.11	-2.53	54.75	-148.54	-66.01	-27.78	-99.83
		5	3.05	4.93	-13.47	4.92	-13.46	-0.39	-37.38	-184.49	-181.80	-40.07	-19.70
		102	0.99	15.20	0.91	9.57	6.54	6.98	14.64	-21.22	-21.13	14.55	-1.78
		129	2.15	10.66	-11.58	2.78	-3.70	10.64	29.04	-75.16	3.04	-49.16	-45.09
12	47	128	1.51	14.30	-1.30	10.78	2.21	-6.52	24.07	-51.99	-25.31	-2.61	-36.29
		5	1.34	3.22	-20.16	0.38	-17.32	7.64	10.66	-15.85	-3.82	-1.37	-13.20
		102	0.41	2.35	-3.84	1.13	-2.62	2.46	16.38	7.34	14.48	9.24	3.69
		129	1.62	10.85	-18.15	-2.61	-4.69	14.46	-14.09	-55.53	-14.26	-55.36	2.64
12	54	128	1.36	12.58	-1.98	8.76	1.84	-6.41	20.71	-44.39	-22.07	-1.61	-30.90
		5	1.22	2.34	-19.24	-0.55	-16.36	7.34	10.48	-11.78	-0.54	-0.77	-11.13
		102	0.37	1.46	-3.64	0.50	-2.68	2.00	16.53	6.77	14.50	8.79	3.96
		129	1.54	10.21	-17.11	-2.47	-4.43	13.62	-13.17	-50.37	-13.61	-49.93	4.03
12	86	128	6.24	25.84	-10.39	25.70	-10.26	2.18	325.20	21.92	316.02	31.10	51.95
		5	6.31	18.13	-33.91	12.68	-28.46	15.92	346.17	60.57	345.85	60.88	9.47
		102	1.84	-6.32	-28.01	-19.55	-14.78	10.58	64.43	-8.20	43.05	13.18	33.10
		129	5.25	4.76	-39.69	-18.40	-16.53	22.21	76.17	-175.78	14.49	-114.09	108.33
12	94	128	2.06	-1.65	-5.95	-5.91	-1.70	-0.45	114.43	-11.60	114.32	-11.48	-3.78
		5	2.90	-2.70	-30.19	-12.99	-19.90	13.30	144.87	20.37	142.37	22.86	-17.45
		102	1.24	7.22	-10.93	2.51	-6.22	7.96	27.07	-8.40	13.10	5.57	17.33
		129	3.42	14.83	-24.79	-1.99	-7.97	19.59	10.21	-116.33	-15.47	-90.64	50.90
13	18	102	3.74	56.04	-8.20	52.92	-5.08	-13.82	-224.52	-862.49	-235.24	-851.78	-81.97
		131	3.15	30.33	-20.57	29.89	-20.13	4.70	-45.99	-676.88	-110.83	-612.04	-191.57
		130	2.35	-1.08	-38.67	-28.09	-11.66	-16.91	29.65	-358.30	-260.76	-67.89	-168.31
		5	1.54	-13.62	-53.63	-36.76	-30.49	19.76	153.45	-14.58	-11.13	150.00	-23.82
13	41	102	2.73	37.38	-8.03	34.63	-5.27	-10.84	-156.21	-626.19	-165.02	-617.38	-63.74
		131	2.19	18.77	-15.55	18.45	-15.23	3.34	-28.45	-471.72	-77.27	-422.90	-138.77
		130	1.61	1.81	-24.97	-15.59	-7.57	-12.78	20.77	-248.53	-179.69	-48.07	-117.47
		5	1.16	-7.17	-38.16	-21.49	-23.84	15.45	111.77	-8.59	-6.76	109.94	-14.74

13	47	102	2.28	11.38	-24.58	1.97	-15.18	-15.80	-87.59	-471.97	-104.53	-455.03	-78.90
		131	1.27	-8.61	-16.83	-8.65	-16.80	0.50	24.96	-260.99	-41.43	-194.60	-120.73
		130	1.11	30.54	-3.92	24.44	2.18	-13.16	22.69	-137.72	-84.62	-30.42	-75.49
13	54	5	1.78	29.48	-39.08	22.75	-32.35	20.40	80.98	-17.51	-17.25	80.72	-5.06
		102	2.11	9.32	-23.23	0.57	-14.47	-14.43	-75.77	-437.77	-90.32	-423.23	-71.08
		131	1.10	-8.81	-15.97	-8.88	-15.90	0.69	18.66	-222.55	-34.78	-169.11	-100.17
13	60	130	0.97	29.61	-3.64	24.01	1.97	-12.44	12.75	-109.38	-71.76	-24.88	-56.39
		5	1.63	28.66	-36.58	22.43	-30.35	19.16	73.94	-6.81	-6.46	73.59	5.31
		102	6.23	19.79	-54.28	19.20	-53.68	-6.59	-147.44	-1329.68	-163.09	-1314.03	135.14
13	92	131	6.43	13.01	-56.18	11.94	-55.11	8.54	-165.97	-1379.66	-171.85	-1373.78	84.23
		130	5.39	-24.67	-38.93	-26.36	-37.25	-4.60	-268.42	-1344.09	-357.38	-1255.13	-296.28
		5	4.33	-16.60	-83.33	-30.37	-69.57	27.00	-155.97	-915.93	-230.13	-841.77	-225.53
14	18	102	3.78	11.17	-34.96	8.38	-32.17	-11.00	-121.88	-820.98	-122.40	-820.46	19.12
		131	3.32	0.42	-34.10	-0.09	-33.60	4.13	-94.74	-706.09	-95.38	-705.45	-19.67
		130	2.70	6.18	-19.43	2.48	-15.73	-9.00	-138.28	-633.03	-198.58	-572.72	-161.86
14	41	5	2.31	8.78	-57.04	-0.21	-48.05	22.60	-70.90	-369.75	-105.90	-334.75	-96.10
		131	3.86	47.61	-19.45	41.51	-13.35	-19.28	-86.92	-764.65	-152.63	-698.94	-200.54
		133	3.22	14.85	-3.48	10.22	1.16	7.97	-19.13	-812.69	-151.43	-680.38	-295.78
14	47	132	2.73	-13.12	-42.19	-15.74	-39.57	-8.32	266.39	-426.92	-166.37	5.85	-335.79
		130	2.32	9.44	-51.15	-34.57	-7.14	27.01	119.64	-324.77	-241.58	36.45	-173.35
		131	2.72	31.39	-15.39	26.52	-10.51	-14.29	-56.01	-534.37	-105.49	-484.89	-145.68
14	54	133	2.17	8.69	-2.72	5.85	0.12	4.93	-2.65	-547.66	-100.90	-449.41	-209.51
		132	1.92	-6.47	-31.05	-8.62	-28.90	-6.95	183.98	-290.67	-110.59	3.91	-230.32
		130	1.63	8.06	-33.02	-20.12	-4.84	19.07	83.75	-223.60	-165.50	25.65	-120.34
14	56	131	1.91	7.08	-27.77	-4.92	-15.77	-16.56	12.71	-296.81	-51.71	-232.39	-125.66
		133	1.15	-0.28	-8.17	-6.63	-1.81	-3.13	91.63	-209.25	-32.12	-85.50	-148.05
		132	1.49	16.96	-34.14	13.59	-30.78	-12.67	102.05	-105.35	-20.54	17.24	-101.97
14	112	130	1.27	27.51	-2.11	22.10	3.30	11.45	52.23	-119.00	-75.80	9.03	-74.37
		131	1.67	5.42	-25.51	-5.49	-14.59	-14.78	10.21	-256.58	-43.59	-202.79	-107.04
		133	0.96	-1.05	-8.25	-6.55	-2.75	-3.06	90.14	-157.57	-20.94	-46.49	-123.20
15	18	132	1.31	16.99	-30.43	13.77	-27.22	-11.92	77.33	-79.50	-13.89	11.72	-77.37
		130	1.11	26.39	-2.38	21.88	2.12	10.46	39.09	-90.85	-61.11	9.35	-54.59
		131	5.55	6.11	-28.38	6.11	-28.37	-0.43	-413.98	-1444.37	-417.85	-1440.50	63.02
15	41	133	5.98	13.82	-20.73	9.62	-16.53	11.29	-340.05	-1667.49	-449.75	-1557.79	-365.50
		132	7.01	-15.75	-41.23	-15.98	-41.00	2.43	-1046.74	-1938.15	-1311.54	-1673.34	-407.34
		130	5.85	12.62	-37.00	-12.73	-11.66	24.80	-995.08	-1710.53	-1303.78	-1401.83	-354.35
15	47	131	3.28	-0.67	-43.10	-23.23	-20.53	-21.17	-99.32	-689.04	-170.47	-617.88	-192.09
		133	2.89	-4.28	-28.96	-24.55	-8.69	-9.45	-36.75	-683.81	-166.20	-554.36	-258.85
		132	3.59	43.71	-37.52	39.35	-33.16	-18.31	-243.30	-761.37	-450.28	-554.39	-253.75
15	54	130	3.04	48.13	-4.13	47.81	-3.81	4.06	-253.88	-688.67	-478.78	-463.77	-217.26
		133	4.14	52.12	-29.20	-6.09	29.01	-36.67	38.90	-889.88	-88.55	-762.42	-319.58
		104	6.22	-37.35	-202.55	-47.45	-192.44	39.58	-190.49	-768.47	-353.26	-605.70	-259.97
15	61	8	7.16	51.74	-124.09	29.99	-102.34	-57.88	635.39	-399.15	452.40	-216.16	-394.75
		132	5.95	80.48	-86.05	-3.25	-2.32	83.26	323.86	-448.48	-234.87	110.25	-345.47
		133	2.93	36.65	-22.96	-5.72	19.41	-27.02	39.57	-595.43	-56.52	-499.34	-227.57
15	112	104	4.24	-27.06	-142.92	-33.75	-136.24	27.01	-116.87	-505.38	-240.74	-381.51	-181.06
		8	4.98	37.71	-88.35	21.75	-72.40	-41.92	432.63	-260.03	311.42	-138.82	-263.18
		132	4.17	57.78	-60.01	0.21	-2.44	58.88	218.62	-306.55	-157.30	69.38	-236.87
15	132	133	2.37	29.12	-36.95	-16.13	8.30	-30.69	133.31	-176.43	-0.49	-42.63	-153.43
		104	2.98	-25.47	-106.98	-27.93	-104.53	13.93	105.79	-203.78	-119.43	21.45	-137.83
		8	2.61	37.73	-73.87	21.24	-57.38	-39.60	207.77	151.47	205.58	153.65	10.87
15	132	133	2.85	53.96	-39.49	20.51	-6.05	44.80	77.08	-176.94	-51.74	-48.12	-127.00
		133	2.09	24.83	-33.63	-14.79	5.99	-27.32	132.43	-132.89	5.17	-5.63	-132.55
		104	2.70	-22.59	-93.20	-24.38	-91.41	11.10	126.36	-140.25	-86.80	72.91	-106.74
15	132	8	2.28	33.89	-64.58	19.06	-49.75	-35.22	155.58	112.06	152.44	115.21	11.27
		132	2.39	48.01	-34.39	19.78	-6.16	39.11	54.56	-132.84	-35.92	-42.35	-93.65
		133	6.39	43.57	-29.00	0.66	13.91	-35.68	1556.66	258.31	318.56	1496.41	-273.12
15	132	104	14.17	-15.11	-83.60	-15.22	-83.49	2.74	3519.86	588.76	610.55	3498.06	-251.83
		8	16.36	46.56	-63.31	25.08	-41.83	-43.58	3915.93	233.96	622.91	3526.98	1131.73
		132	9.60	44.32	-20.45	22.10	1.76	30.75	2041.07	-436.20	154.29	1450.59	1055.52
15	132	133	3.65	32.96	-31.10	-7.59	9.44	-30.88	727.74	80.18	144.81	663.10	-194.10
		104	7.75	-19.15	-88.78	-19.98	-87.96	7.54	1619.29	203.10	223.92	1598.47	-170.43
		8	8.53	39.11	-63.90	21.50	-46.29	-38.77	1813.52	179.87	358.71	1634.68	510.08
16	4	132	4.71	46.40	-28.44	20.65	-2.70	35.55	841.93	-172.59	47.20	622.14	417.94
		307	4.21	3.74	-3.63	-2.66	2.77	2.49	712.93	455.88	612.51	556.30	125.42
		276	4.61	2.91	-3.93	-1.90	0.87	3.13	781.12	496.73	781.06	496.79	4.08
16	34	277	4.20	1.93	-3.41	-2.09	0.62	2.30	699.02	490.69	697.60	492.12	-17.16
		309	3.64	2.27	-3.15	-2.54	1.66	1.71	551.25	534.63	536.70	549.18	-5.49
		307	3.06	2.56	-2.50	-1.84	1.90	1.71	517.55	332.39	447.55	402.39	89.78
16	47	276	3.33	2.00	-2.68	-1.30	0.61	2.14	564.55	359.80	564.44	359.92	4.80
		277	3.04	1.32	-2.31	-1.43	0.44	1.56	506.85	353.43	506.29	353.99	-9.25
		309	2.64	1.56	-2.17	-1.76	1.15	1.16	397.72	391.59	395.25	394.06	-3.00
16	54	307	2.44	1.19	-1.23	-0.85	0.82	0.88	411.38	282.99	379.81	314.57	55.29
		276	2.59	0.99	-1.19	-0.52	0.32	1.01	440.70	280.00	440.68	280.02	-1.80
		277	2.36	0.69	-0.95	-0.54	0.28	0.71	399.10	267.80	398.77	268.13	-6.62
16	54	309	2.20	0.80	-1.04	-0.84	0.61	0.57	353.20	293.98	351.60	295.58	-9.60
		307	2.30	1.07	-1.12	-0.79	0.73	0.79	386.06	273.62	360.50	299.18	47.12

		276	2.44	0.90	-1.05	-0.47	0.33	0.88	414.75	267.39	414.73	267.41	-1.62
		277	2.25	0.63	-0.83	-0.50	0.30	0.61	381.36	250.77	381.15	250.99	-5.34
		309	2.09	0.72	-0.95	-0.79	0.56	0.49	340.24	273.59	337.64	276.19	-12.90
16	59	307	3.46	0.50	-2.68	-2.57	0.39	0.59	555.29	463.25	479.74	538.79	35.30
		276	3.30	-1.38	-2.94	-2.56	-1.77	0.67	521.10	433.19	519.50	434.79	-11.75
		277	2.97	-1.42	-2.33	-2.07	-1.69	0.41	458.26	409.43	450.82	416.87	-17.54
		309	3.19	0.29	-2.12	-2.09	0.27	0.26	519.44	411.92	417.93	513.44	-24.69
16	91	307	2.78	0.79	-1.80	-1.60	0.59	0.69	451.72	366.82	413.30	405.24	42.26
		276	2.80	-0.13	-1.90	-1.43	-0.60	0.78	461.44	341.31	461.15	341.59	-5.82
		277	2.54	-0.30	-1.51	-1.22	-0.58	0.51	412.95	323.27	411.72	324.50	-10.43
		309	2.54	0.51	-1.46	-1.39	0.44	0.38	395.24	358.83	372.89	381.18	-17.72
17	4	165	4.66	6.26	-10.20	-8.95	5.01	4.36	581.41	-101.21	581.35	-101.14	6.77
		164	11.38	-4.14	-23.49	-23.43	-4.21	1.10	1595.00	-9.45	1579.14	6.42	-158.75
		221	9.45	10.03	-11.06	-8.77	7.73	-6.57	1505.15	233.55	1330.26	408.44	-437.95
		234	4.22	6.27	-32.01	-30.25	4.51	8.03	589.46	338.13	498.95	428.64	-120.65
17	34	165	3.38	4.15	-7.27	-6.48	3.36	2.90	423.25	-74.19	423.00	-73.94	11.04
		164	8.27	-2.78	-16.03	-15.99	-2.82	0.75	1163.86	-7.16	1153.84	2.87	-107.87
		221	6.81	6.82	-7.59	-5.96	5.18	-4.57	1089.36	178.92	972.22	296.06	-304.84
		234	2.97	4.14	-21.62	-20.49	3.02	5.26	417.19	261.53	367.94	310.78	-72.40
17	47	165	3.10	1.24	-5.34	-5.23	1.13	0.85	399.39	-68.34	395.92	-64.86	40.19
		164	6.96	-0.97	-7.12	-7.09	-0.99	0.35	1007.62	-7.00	1004.46	-3.83	-56.57
		221	5.53	2.99	-3.81	-2.54	1.72	-2.66	903.47	190.39	847.13	246.73	-192.36
		234	2.39	1.06	-8.45	-8.36	0.97	0.92	367.91	265.64	365.94	267.61	14.04
17	54	165	2.83	0.99	-4.97	-4.90	0.91	0.65	362.11	-64.04	358.08	-60.01	41.23
		164	6.45	-0.79	-6.20	-6.18	-0.81	0.30	935.11	-7.70	932.78	-5.36	-46.89
		221	5.09	2.56	-3.36	-2.20	1.40	-2.36	833.68	180.72	786.68	227.72	-168.76
		234	2.19	0.83	-7.13	-7.09	0.78	0.62	341.30	240.10	335.68	245.72	23.18
17	62	165	10.96	13.37	-10.29	13.36	-10.28	-0.33	1269.23	-453.52	1233.61	-417.90	-245.15
		164	12.94	13.72	-0.73	13.71	-0.72	-0.36	1937.08	139.19	1916.63	159.64	-190.67
		221	14.28	21.26	1.25	21.23	1.27	-0.70	2222.60	435.78	2197.91	460.48	-208.62
		234	11.97	14.75	-9.32	14.72	-9.29	0.87	1681.11	-35.51	1670.62	-25.02	-133.78
17	94	165	6.13	3.20	-4.23	3.20	-4.22	0.21	753.83	-227.49	746.62	-220.29	-83.78
		164	9.10	2.65	-0.77	2.65	-0.77	2.11e-03	1378.33	58.45	1369.18	67.61	-109.54
		221	9.08	8.73	0.98	8.37	1.34	-1.63	1444.53	299.50	1413.29	330.74	-186.54
		234	5.98	2.83	-3.86	2.76	-3.79	0.70	931.14	122.24	928.60	124.78	-45.32
18	18	209	12.18	-0.21	-24.17	-3.01	-21.37	-7.71	1145.86	-951.46	829.54	-635.14	750.59
		252	8.79	4.92	-11.12	0.18	-6.38	-7.31	1126.61	-306.41	1040.47	-220.27	340.61
		244	7.02	3.58	-15.58	-3.60	-8.41	-9.27	964.98	-29.17	664.77	271.04	456.42
		189	10.25	1.12	-19.92	-1.65	-17.15	-7.12	1234.91	-387.50	475.50	371.91	809.55
18	41	209	8.45	-0.18	-16.63	-2.06	-14.74	-5.24	822.78	-631.54	595.39	-404.16	528.19
		252	6.16	3.26	-7.64	0.10	-4.48	-4.95	811.39	-181.72	750.91	-121.24	237.49
		244	4.91	2.33	-10.68	-2.46	-5.88	-6.27	696.74	20.29	487.58	229.45	312.63
		189	7.15	0.72	-13.72	-1.13	-11.87	-4.83	887.67	-231.68	347.29	308.70	559.34
18	47	209	5.51	0.86	-6.89	0.67	-6.69	-1.21	752.82	-124.31	568.23	60.28	357.55
		252	4.30	1.23	-3.07	0.87	-2.70	-1.20	689.69	116.12	667.67	138.14	110.21
		244	3.52	0.27	-3.77	-0.41	-3.09	-1.51	594.12	342.89	510.85	426.15	118.26
		189	4.59	-0.15	-5.94	-0.44	-5.65	-1.27	728.57	156.10	348.10	536.57	270.28
18	54	209	4.64	0.41	-6.33	0.20	-6.12	-1.18	652.66	-78.06	485.74	88.86	306.77
		252	3.76	0.82	-2.91	0.48	-2.56	-1.08	617.12	138.74	595.81	160.04	98.67
		244	3.22	0.09	-3.57	-0.51	-2.97	-1.36	537.63	338.87	458.19	418.31	97.36
		189	4.18	-0.15	-5.47	-0.41	-5.22	-1.14	670.86	167.22	313.00	525.08	228.40
18	69	209	9.44	-4.21	-16.92	-4.48	-16.65	1.83	1444.93	68.69	974.77	538.85	652.69
		252	7.63	-2.08	-7.29	-2.84	-6.53	1.84	1251.00	264.16	1070.27	444.89	381.69
		244	7.12	-2.18	-6.85	-2.30	-6.73	0.74	1169.10	278.59	751.19	696.50	444.41
		189	9.51	-3.55	-15.60	-3.63	-15.52	0.98	1461.02	148.15	639.42	969.76	635.32
18	101	209	6.83	-2.04	-11.13	-2.04	-11.13	0.17	1014.06	-16.57	708.62	288.88	470.64
		252	5.47	-1.10	-4.44	-1.11	-4.43	0.22	901.17	199.94	814.16	286.95	231.18
		244	4.93	-1.31	-4.79	-1.36	-4.73	-0.43	828.51	304.03	590.22	542.32	261.14
		189	6.64	-1.94	-10.12	-1.94	-10.11	-0.20	1033.53	148.32	458.82	723.04	422.43
19	18	167	8.52	4.14	-32.25	-25.08	-3.03	-14.47	633.71	-685.61	-53.96	2.06	-659.07
		166	6.22	52.62	3.39	51.87	4.14	-6.03	304.23	-687.95	-199.59	-184.13	-496.03
		115	8.99	-14.04	-64.62	-58.59	-20.07	-16.39	981.98	-345.44	95.68	540.86	-625.27
		117	7.33	27.18	-16.27	6.01	4.90	-21.71	430.83	-618.80	-100.02	-87.95	-524.78
19	41	167	5.89	3.15	-21.41	-16.30	-1.96	-9.97	452.95	-462.10	-13.38	4.23	-457.44
		166	4.40	36.30	2.21	35.84	2.67	-3.93	220.11	-483.82	-134.10	-129.61	-351.96
		115	6.31	-10.11	-44.10	-40.20	-14.01	-10.82	697.55	-240.09	71.97	385.49	-441.83
		117	5.02	18.38	-11.29	3.94	3.14	-14.83	299.55	-421.03	-58.47	-63.02	-360.28
19	47	167	3.27	4.32	-5.54	-1.38	0.17	-4.87	365.65	-142.96	190.12	32.58	-241.80
		166	2.97	16.73	-0.39	16.73	-0.39	0.08	187.24	-310.36	-30.31	-92.82	-246.83
		115	4.07	-8.09	-18.32	-18.09	-8.31	-1.50	539.36	-112.35	103.08	323.93	-306.58
		117	2.25	6.13	-6.40	0.23	-0.50	-6.25	185.92	-141.09	66.09	-21.26	-157.56
19	54	167	2.96	4.24	-4.39	-0.34	0.19	-4.30	333.35	-125.65	178.90	28.79	-216.88
		166	2.71	15.20	-0.40	15.20	-0.40	0.18	173.80	-280.30	-24.80	-81.70	-225.26
		115	3.65	-7.35	-16.05	-15.92	-7.47	-1.03	483.11	-103.10	91.71	288.29	-276.13
		117	2.01	5.25	-5.66	0.15	-0.57	-5.44	165.89	-128.00	62.20	-24.31	-140.44
19	58	167	7.89	6.49	-10.44	-3.35	-0.59	-8.35	1065.75	-149.16	901.20	15.38	-415.74
		166	12.34	22.48	-16.24	12.44	-6.20	16.96	1575.42	-278.56	808.11	488.75	-913.13

		115	11.50	14.58	-17.69	3.27	-6.38	15.40	1156.45	-653.59	-167.27	670.13	-802.34
		117	2.94	21.35	-1.35	19.82	0.18	5.70	-195.00	-399.00	-397.16	-196.84	-19.27
19	90	167	5.01	5.21	-7.03	-1.67	-0.14	-6.07	645.81	-126.24	496.57	22.99	-304.87
		166	6.74	16.98	-5.93	13.98	-2.93	7.73	790.05	-280.14	341.37	168.54	-528.07
		115	7.02	-0.84	-13.59	-7.42	-7.00	6.37	777.97	-344.65	-22.06	455.37	-508.02
		117	1.45	8.87	-0.25	8.86	-0.24	-0.36	-32.93	-210.02	-142.43	-100.52	-86.03
20	18	103	64.87	13.91	-71.26	5.19	-62.54	-25.82	1251.85	-8676.91	1137.43	-8562.50	-1059.68
		224	12.91	19.33	-18.66	1.69	-1.02	18.94	2115.90	902.78	1670.80	1347.89	584.68
		209	19.67	3.04	-30.48	-10.23	-17.21	-16.39	1046.77	-2246.23	813.24	-2012.70	845.27
		175	22.06	-13.53	-45.12	-15.75	-42.89	8.09	1974.18	-1813.81	-578.70	739.06	1775.70
20	41	103	44.73	9.43	-48.74	3.47	-42.78	-17.63	835.71	-6002.41	761.64	-5928.34	-707.83
		224	9.09	13.11	-12.82	1.12	-0.84	12.93	1491.92	626.24	1198.59	919.57	409.74
		209	13.57	1.97	-20.86	-7.00	-11.89	-11.15	747.44	-1528.79	575.30	-1356.65	601.82
		175	15.46	-9.20	-30.92	-10.72	-29.40	5.54	1414.09	-1243.43	-388.37	559.03	1241.46
20	47	103	24.52	3.81	-14.85	2.99	-14.03	-3.83	1246.31	-2820.45	1191.36	-2765.49	469.54
		224	6.01	4.13	-4.40	1.63	-1.90	3.88	931.54	95.26	930.85	95.95	23.98
		209	9.14	-0.18	-5.94	-1.46	-4.66	-2.40	962.42	-594.85	671.98	-304.41	606.57
		175	9.35	-3.30	-11.09	-3.31	-11.08	0.29	783.34	-810.83	-565.02	537.53	575.71
20	54	103	20.06	2.88	-14.02	1.86	-13.00	-4.02	755.88	-2493.32	735.78	-2473.22	254.77
		224	5.41	3.43	-4.28	1.00	-1.85	3.58	855.77	132.76	846.23	142.30	82.48
		209	7.32	-0.26	-5.88	-1.61	-4.52	-2.41	753.64	-492.62	517.90	-256.88	488.08
		175	8.33	-2.82	-10.16	-2.90	-10.08	0.77	804.00	-613.37	-352.77	543.40	549.05
20	84	103	13.67	16.15	6.93	7.65	15.43	2.48	1540.33	-784.72	1217.00	-461.39	804.50
		224	8.17	17.24	-7.97	-0.29	9.56	11.61	763.39	-515.91	-163.00	410.49	571.78
		209	1.80	9.12	2.81	3.55	8.39	-2.02	253.84	-7.94	237.97	7.93	62.46
		175	25.31	19.18	4.60	4.66	19.12	-0.93	3609.50	-198.31	-194.80	3605.99	-115.54
20	116	103	15.59	4.83	0.54	4.64	0.73	-0.88	1062.89	-1606.53	958.55	-1502.19	517.34
		224	4.70	9.64	-5.62	0.40	3.62	7.46	648.70	3.81	382.86	269.65	317.44
		209	4.61	3.52	-1.00	0.86	1.66	-2.23	509.84	-256.44	383.53	-130.14	284.31
		175	14.75	4.03	0.75	0.75	4.03	-0.05	2028.93	-300.65	-276.49	2004.77	236.00
21	18	354	3.04	18.92	-22.13	-0.33	-2.88	20.49	231.00	-82.74	88.11	60.16	-156.25
		357	5.23	43.22	-26.36	10.42	6.44	34.73	286.53	-276.72	52.05	-42.24	-277.65
		229	8.14	28.01	-25.59	3.08	-0.66	26.73	780.90	-340.13	204.48	236.30	-560.29
		360	5.41	44.99	-27.27	16.19	1.52	35.38	352.93	-223.16	35.45	94.32	-286.54
21	41	354	2.09	12.77	-15.00	-0.26	-1.98	13.86	157.97	-61.34	58.00	38.63	-109.22
		357	3.61	29.29	-18.56	6.61	4.12	23.89	196.49	-194.16	38.58	-36.24	-191.71
		229	5.63	19.03	-17.86	1.83	-0.67	18.40	552.66	-220.02	154.86	177.78	-386.17
		360	3.72	29.99	-19.19	10.52	0.28	24.05	240.78	-157.27	15.91	67.60	-197.34
21	52	354	1.07	4.90	-6.28	-0.37	-1.00	5.58	72.94	-56.56	13.04	3.34	-64.57
		357	1.95	11.59	-12.41	-0.76	-0.06	11.99	100.84	-123.59	37.08	-59.83	-101.21
		229	3.10	8.24	-11.05	-1.05	-1.76	9.64	368.81	-33.03	159.45	176.33	-200.74
		360	1.93	9.63	-12.73	1.41	-4.51	10.78	114.98	-107.32	-42.44	50.11	-101.06
21	54	354	0.87	3.21	-4.50	-0.46	-0.84	3.85	55.34	-56.78	3.06	-4.50	-55.93
		357	1.67	7.77	-11.76	-2.84	-1.15	9.73	85.24	-113.15	38.83	-66.75	-83.98
		229	2.67	6.10	-10.05	-1.84	-2.11	8.08	338.84	7.56	165.26	181.13	-165.45
		360	1.62	5.30	-12.00	-0.76	-5.95	8.25	93.37	-102.43	-57.40	48.34	-82.40
21	83	354	4.23	49.87	-10.63	24.65	14.59	29.83	455.50	33.77	282.91	206.36	-207.36
		357	5.45	46.65	-21.86	20.70	4.09	33.23	471.33	-181.17	290.84	-0.68	-291.87
		229	6.73	41.83	-18.37	21.27	2.19	28.55	686.63	-174.14	290.00	222.49	-429.06
		360	5.32	48.27	-16.13	23.66	8.48	31.29	458.31	-135.87	91.09	231.36	-288.69
21	115	354	2.45	25.16	-7.56	11.15	6.45	16.19	243.07	-13.78	134.07	95.22	-126.95
		357	3.44	25.81	-16.41	8.03	1.37	20.85	265.97	-145.49	156.54	-36.06	-181.79
		229	4.55	22.64	-13.99	8.70	-0.05	17.78	501.47	-78.70	222.62	200.15	-289.87
		360	3.35	25.42	-14.19	10.40	0.84	19.22	263.09	-116.86	11.34	134.90	-179.65
22	4	100	14.82	17.08	-48.48	13.90	-45.30	-14.08	945.49	-1469.31	-202.75	-321.07	1205.95
		165	3.92	32.63	-14.26	-9.95	28.33	13.54	527.25	180.25	512.27	195.23	-70.53
		234	4.38	15.42	-28.19	-25.04	12.26	-11.30	570.18	200.61	559.16	211.63	62.86
		113	19.72	-5.60	-67.33	-56.78	16.16	23.24	1453.42	-1762.57	-1746.44	1437.29	-227.16
22	34	100	10.51	11.14	-32.78	9.05	-30.70	-9.34	633.92	-1072.55	-220.66	-217.97	853.23
		165	2.89	22.00	-10.18	-7.34	19.16	9.13	395.73	127.29	391.73	131.29	-32.53
		234	3.10	10.46	-19.09	-16.80	8.17	-7.91	408.86	143.20	397.19	154.88	54.45
		113	14.03	-3.23	-45.93	-38.90	-10.26	15.83	1043.77	-1245.43	-1235.34	1033.69	-151.63
22	47	100	7.81	1.70	-12.67	1.38	-12.35	-2.12	368.56	-917.24	-411.28	-137.40	628.14
		165	3.17	8.24	-7.56	-6.84	7.52	3.29	461.84	66.21	454.11	73.93	54.74
		234	2.52	4.44	-7.94	-5.73	2.22	-4.74	370.72	97.98	328.50	140.20	98.66
		113	10.19	2.59	-20.84	-18.87	0.62	6.50	855.07	-814.89	-813.03	853.21	-55.69
22	54	100	7.18	0.97	-10.71	0.73	-10.47	-1.66	298.39	-872.94	-465.48	-109.07	557.89
		165	3.06	6.89	-7.01	-6.44	6.32	2.76	440.75	45.73	429.18	57.30	66.60
		234	2.25	3.88	-6.85	-4.70	1.73	-4.29	331.64	85.47	287.08	130.02	94.78
		113	9.24	2.89	-18.03	-16.35	1.21	5.68	777.73	-737.39	-736.11	776.46	-43.97
22	62	100	42.93	26.93	14.02	14.03	26.93	-0.22	6557.68	303.93	5176.04	1685.57	2594.52
		165	36.83	14.26	-23.49	1.03	-10.26	18.01	5688.64	453.33	5659.66	482.30	388.39
		234	14.12	34.50	-7.39	33.03	-5.92	-7.71	1862.47	-140.47	1862.42	-140.42	9.49
		113	21.69	57.50	24.41	33.63	48.28	-14.84	3064.36	-321.94	848.99	1893.43	1610.60
22	94	100	20.73	7.49	5.47	6.52	6.45	-1.01	2970.55	-247.78	2040.78	681.98	1458.71
		165	17.79	7.49	-11.99	-3.20	-1.31	9.70	2772.42	228.96	2755.04	246.33	209.50
		234	6.99	14.32	-3.90	12.20	-1.79	-5.83	990.40	6.65	987.10	9.95	56.88

		113	12.04	23.39	5.31	6.12	22.58	-3.74	1566.41	-330.53	-32.56	1268.45	690.25
23	4	295	7.42	17.25	-10.75	12.03	-5.53	-10.91	784.69	-422.43	756.74	-394.48	181.55
		319	7.08	19.90	-1.30	9.45	9.16	-10.60	236.65	-836.41	15.41	-615.16	434.12
		311	7.44	15.15	-0.52	6.76	7.87	-7.81	32.13	-1056.23	-0.28	-1023.82	185.00
		288	9.05	12.79	-8.36	8.25	-3.82	-8.68	952.75	-539.60	949.04	-535.89	74.28
23	34	295	5.22	11.66	-7.41	8.13	-3.88	-7.40	564.72	-283.15	544.33	-262.76	129.89
		319	4.98	13.48	-1.04	6.36	6.08	-7.26	172.08	-585.74	11.44	-425.11	309.73
		311	5.14	10.27	-0.40	4.55	5.31	-5.32	25.43	-728.56	2.61	-705.74	129.18
		288	6.33	8.63	-5.78	5.57	-2.72	-5.89	683.06	-359.02	680.44	-356.41	52.13
23	47	295	3.58	4.86	-3.71	3.80	-2.65	-2.82	453.41	-112.05	436.66	-95.30	95.87
		319	3.33	5.57	-1.09	3.00	1.48	-3.24	146.17	-385.07	9.75	-248.65	232.07
		311	2.98	4.58	-0.02	2.56	2.00	-2.29	28.09	-422.91	15.18	-410.01	75.20
		288	4.22	3.81	-2.96	2.88	-2.03	-2.33	537.88	-130.91	536.93	-129.95	25.25
23	54	295	3.15	3.88	-3.35	2.93	-2.41	-2.43	409.84	-84.16	394.86	-69.17	84.72
		319	2.92	4.61	-1.25	2.22	1.14	-2.88	131.97	-333.93	8.30	-210.25	205.73
		311	2.50	3.67	-0.28	1.74	1.65	-1.97	26.91	-351.11	15.96	-340.16	63.41
		288	3.67	2.94	-2.67	2.12	-1.85	-1.98	483.83	-90.11	483.05	-89.33	21.19
23	81	295	4.46	12.14	-10.42	4.89	-3.17	-10.54	325.74	-393.31	325.21	-392.77	-19.60
		319	8.11	22.60	-2.67	5.48	14.45	-11.81	239.00	-959.44	-48.99	-671.44	512.06
		311	7.96	16.54	-0.52	2.70	13.32	-6.68	363.24	-888.68	254.51	-779.95	352.56
		288	6.65	3.04	-8.32	-1.84	-3.44	-5.62	722.46	-397.13	714.86	-389.53	-91.90
23	113	295	3.61	7.71	-6.59	3.87	-2.76	-6.34	364.36	-225.15	362.45	-223.24	33.50
		319	5.33	13.02	-1.79	3.79	7.44	-7.18	181.05	-624.74	-18.06	-425.62	347.56
		311	4.99	9.61	-0.23	2.19	7.19	-4.24	179.37	-599.26	125.54	-545.44	197.52
		288	5.00	2.84	-5.17	0.29	-2.61	-3.73	590.59	-233.90	589.20	-232.51	-33.77
24	4	305	4.74	14.70	-14.58	8.12	-8.00	-12.22	434.44	-325.15	421.80	-312.51	97.15
		328	3.98	24.04	1.16	13.81	11.39	-11.37	158.72	-390.37	-44.13	-187.52	265.02
		319	6.26	19.36	-1.53	8.37	9.46	-10.43	234.30	-704.93	-20.17	-450.46	417.43
		295	7.27	18.84	-11.95	13.59	-6.70	-11.57	772.61	-398.78	739.61	-365.78	193.81
24	34	305	3.32	9.91	-9.97	5.48	-5.54	-8.28	315.80	-218.11	305.20	-207.51	74.49
		328	2.86	16.22	0.62	9.39	7.45	-7.74	122.42	-279.55	-31.01	-126.12	195.28
		319	4.40	13.12	-1.19	5.65	6.28	-7.15	170.26	-493.88	-14.04	-309.58	297.38
		295	5.11	12.73	-8.22	9.19	-4.68	-7.85	556.66	-266.27	532.34	-241.96	139.34
24	47	305	2.20	3.71	-4.64	2.33	-3.25	-3.11	274.13	-79.56	252.87	-58.30	84.07
		328	2.28	6.22	-0.95	4.23	1.04	-3.21	149.06	-211.69	-18.80	-43.83	179.94
		319	2.95	5.41	-1.06	2.74	1.60	-3.19	143.81	-325.09	-10.23	-171.05	220.23
		295	3.51	5.29	-3.98	4.22	-2.91	-2.96	449.79	-99.49	428.50	-78.19	106.04
24	54	305	1.97	3.03	-4.12	1.84	-2.93	-2.66	252.00	-62.42	231.57	-41.99	77.50
		328	2.07	5.21	-1.07	3.56	0.58	-2.77	138.28	-190.51	-17.56	-34.67	164.18
		319	2.59	4.50	-1.28	2.03	1.19	-2.86	129.36	-281.90	-9.69	-142.85	194.55
		295	3.09	4.24	-3.57	3.30	-2.63	-2.55	407.59	-72.91	388.12	-53.44	94.74
24	62	305	6.46	12.48	-15.87	-5.99	2.60	13.51	638.32	-363.78	358.07	-83.53	449.77
		328	7.49	11.25	-16.70	-7.35	1.89	13.19	590.73	-581.33	98.86	-89.46	578.41
		319	7.48	5.27	-12.65	-10.02	2.65	6.33	740.29	-494.43	211.14	34.71	611.03
		295	7.13	7.26	-9.69	-6.12	3.69	6.91	838.69	-335.16	610.93	-107.40	464.20
24	94	305	3.72	3.65	-5.76	-1.65	-0.46	4.67	413.23	-184.11	288.31	-59.19	242.93
		328	4.31	4.54	-4.78	-1.34	1.10	4.50	339.51	-363.07	34.31	-57.87	348.25
		319	4.52	2.08	-3.64	-3.34	1.77	1.29	400.76	-374.59	88.56	-62.39	380.26
		295	4.67	1.46	-2.12	-0.88	0.22	1.70	588.36	-177.20	487.05	-75.89	259.41
25	18	203	11.38	-0.06	-4.18	-4.17	-0.06	0.12	1451.37	-418.75	698.51	334.11	-917.14
		202	7.49	-0.34	-4.51	-4.48	-0.37	-0.33	1012.58	-185.70	557.04	269.85	-581.68
		139	6.21	-0.07	-4.60	-4.47	-0.20	-0.74	843.99	-132.55	726.70	-15.26	-317.46
		138	8.10	-0.16	-3.69	-3.65	-0.19	-0.36	1078.37	-218.63	897.30	-37.57	-449.51
25	41	203	7.86	-0.05	-2.80	-2.80	-0.05	0.11	1014.01	-271.23	510.52	232.26	-627.38
		202	5.17	-0.23	-3.00	-2.98	-0.25	-0.22	706.76	-114.42	406.00	186.34	-395.63
		139	4.37	-0.04	-3.00	-2.92	-0.13	-0.49	599.20	-86.56	522.84	-10.20	-215.72
		138	5.71	-0.10	-2.40	-2.38	-0.13	-0.24	766.93	-144.90	648.00	-25.97	-307.09
25	47	203	4.37	0.04	-0.50	-0.37	-0.09	0.23	657.11	9.88	527.15	139.84	-259.28
		202	2.85	-0.02	-0.21	-0.18	-0.05	0.07	449.20	48.52	398.07	99.65	-133.68
		139	3.17	0.18	0.02	0.18	0.02	-0.01	467.92	-13.28	457.18	-2.55	-71.08
		138	4.31	0.06	0.01	0.06	0.01	-9.59e-03	627.04	-37.36	603.81	-14.13	-122.04
25	54	203	4.16	0.05	-0.24	-0.12	-0.07	0.14	628.57	11.14	506.98	132.74	-245.54
		202	2.72	7.43e-03	-0.04	6.48e-03	-0.04	6.80e-03	429.35	47.27	382.25	94.37	-125.61
		139	3.05	0.39	0.01	0.39	0.01	-0.01	448.73	-12.18	438.84	-2.29	-66.78
		138	4.14	0.36	0.01	0.36	0.01	-0.01	601.79	-34.99	580.20	-13.40	-115.24
25	79	203	9.16	-0.21	-3.67	-3.56	-0.32	0.60	1226.36	-236.88	778.09	211.38	-674.52
		202	6.98	-0.31	-3.51	-3.46	-0.36	0.39	956.92	-140.74	653.95	162.22	-490.68
		139	7.29	-0.23	-2.89	-2.84	-0.28	0.34	1023.77	-109.01	817.24	97.52	-437.38
		138	8.88	-0.14	-2.91	-2.85	-0.20	0.41	1226.14	-170.26	958.57	97.31	-549.59
25	111	203	6.43	-0.12	-1.80	-1.73	-0.19	0.34	902.69	-102.26	630.71	169.73	-446.49
		202	4.62	-0.17	-1.64	-1.62	-0.19	0.17	668.32	-35.72	506.12	126.47	-296.46
		139	4.87	-0.10	-1.14	-1.12	-0.12	0.14	702.77	-42.75	615.17	44.86	-240.08
		138	6.18	-0.06	-1.17	-1.14	-0.09	0.17	877.59	-82.29	756.62	38.68	-318.57
26	4	256	9.57	4.08	-6.51	2.80	-5.24	3.45	1426.62	50.23	1377.71	99.14	254.81
		216	10.41	2.15	-8.03	2.13	-8.00	0.50	1310.29	-376.76	1056.74	-123.20	602.88
		225	12.75	1.73	-7.80	0.33	-6.40	3.37	1263.18	-900.33	1258.17	-895.32	104.00
		262	10.93	3.29	-5.30	1.63	-3.63	3.40	1481.86	-244.13	1477.71	-239.99	84.48

26	34	256	6.86	2.78	-4.42	1.90	-3.54	2.35	1024.94	38.59	987.41	76.12	188.72
		216	7.47	1.46	-5.42	1.44	-5.41	0.35	941.72	-269.04	753.98	-81.29	438.25
		225	9.09	1.18	-5.26	0.22	-4.30	2.30	897.51	-645.76	893.61	-641.85	77.53
		262	7.80	2.24	-3.61	1.10	-2.46	2.32	1061.94	-168.78	1058.42	-165.26	65.78
26	47	256	5.15	1.34	-2.01	0.88	-1.55	1.15	783.27	45.58	745.33	83.52	162.94
		216	5.53	0.72	-2.20	0.70	-2.19	0.21	711.47	-187.67	547.71	-23.91	347.02
		225	6.56	0.72	-2.06	0.17	-1.51	1.10	632.28	-491.05	627.48	-486.25	73.24
		262	5.80	1.02	-1.70	0.50	-1.18	1.07	800.23	-114.38	795.70	-109.85	64.19
26	54	256	4.74	1.13	-1.68	0.73	-1.28	0.98	723.19	43.60	684.87	81.92	156.75
		216	5.13	0.58	-1.82	0.56	-1.81	0.19	660.85	-175.28	502.01	-16.44	328.00
		225	6.00	0.61	-1.70	0.13	-1.22	0.94	576.67	-451.95	572.11	-447.39	68.34
		262	5.29	0.88	-1.43	0.41	-0.96	0.93	736.38	-93.78	731.34	-88.74	64.47
26	56	256	10.78	4.09	0.48	1.77	2.80	1.73	1694.94	189.67	1635.74	248.87	292.59
		216	9.85	1.47	-4.82	1.34	-4.70	0.86	1453.84	-7.25	1418.35	28.25	224.94
		225	10.33	1.36	-4.46	1.14	-4.24	1.11	1184.62	-540.29	1184.32	-540.00	-22.61
		262	9.31	3.62	1.58	1.61	3.59	-0.24	1400.48	11.72	1388.94	23.26	126.10
26	88	256	7.41	2.20	-0.49	1.18	0.54	1.30	1153.26	108.43	1106.16	155.53	216.78
		216	6.95	0.96	-3.13	0.90	-3.07	0.48	989.28	-75.91	907.91	5.46	282.94
		225	7.87	0.88	-2.85	0.58	-2.55	1.01	843.63	-489.43	843.02	-488.82	28.52
		262	7.05	1.40	0.61	0.94	1.06	0.39	1030.33	-47.10	1022.45	-39.22	91.79
27	18	184	57.99	-2.46	-33.66	-11.88	-24.24	-14.33	9082.61	961.25	7314.67	2729.19	-3351.48
		231	23.74	4.47	-29.95	-19.05	-6.42	16.01	-1135.34	-3901.11	-3901.06	-1135.38	-10.93
		135	51.43	31.54	-11.72	1.03	18.79	-19.72	6595.01	-1632.46	2935.22	2027.33	-4088.62
		107	126.99	6.02	-66.79	-14.45	-46.32	32.73	-1268.30	-1.945e+04	-1.601e+04	-4707.06	7120.33
27	41	184	39.68	-1.59	-23.49	-8.13	-16.95	-10.02	6212.32	655.60	4960.20	1907.72	-2321.61
		231	15.92	3.14	-20.99	-13.26	-4.58	11.26	-785.97	-2620.68	-2620.20	-786.44	-29.62
		135	35.52	22.01	-8.39	0.64	12.98	-13.90	4582.82	-1083.10	2057.55	1442.17	-2816.20
		107	86.25	4.17	-46.85	-10.29	-32.40	22.99	-953.50	-1.324e+04	-1.086e+04	-3335.10	4857.92
27	52	184	19.95	-0.47	-9.61	-2.83	-7.25	-4.00	3055.41	169.92	1968.55	1256.78	-1398.16
		231	5.65	1.43	-8.88	-5.24	-2.20	4.93	-374.68	-966.76	-838.08	-503.35	-244.19
		135	20.23	9.25	-4.15	0.23	4.88	-6.28	2866.48	-216.01	1410.86	1239.60	-1538.86
		107	36.73	1.69	-20.07	-4.64	-13.73	9.89	-1167.66	-5917.24	-4349.32	-2735.58	2233.52
27	54	184	16.28	0.84	-6.41	-0.99	-4.58	-3.15	2422.67	-3.42	1286.00	1133.26	-1210.64
		231	4.71	1.09	-6.60	-3.45	-2.07	3.78	-123.86	-741.92	-421.19	-444.59	-308.80
		135	17.12	5.78	-4.06	-0.72	2.44	-4.66	2524.49	-12.78	1292.03	1219.68	-1268.12
		107	26.92	0.86	-14.66	-4.73	-9.07	7.45	-1113.06	-4405.81	-2864.32	-2654.55	1643.03
27	76	184	16.48	11.85	-6.24	2.48	3.12	-9.04	2726.03	757.50	1181.95	2301.58	809.56
		231	5.35	4.39	-5.41	-0.95	-0.07	4.88	-530.35	-898.02	-742.07	-686.30	181.70
		135	29.66	22.34	3.67	19.73	6.28	-6.47	903.48	-3879.27	-3612.27	636.47	-1098.06
		107	63.25	17.48	-0.43	17.10	-0.05	2.58	-185.20	-9530.62	-7845.36	-1870.46	3592.96
27	96	184	10.77	0.87	-11.64	-2.43	-8.33	-5.51	1848.56	1023.14	1245.55	1626.15	-366.22
		231	6.76	0.70	-7.93	-4.44	-2.80	4.24	75.74	-950.43	-541.98	-332.71	-502.30
		135	19.11	9.28	-0.44	7.71	1.13	-3.58	1687.83	-1609.10	-888.03	966.76	-1362.86
		107	41.63	8.49	-17.27	4.36	-13.14	9.45	-1338.50	-6754.56	-5097.58	-2995.48	2495.74
28	4	239	4.73	2.01	-4.12	-1.00	-1.12	3.06	799.44	472.39	731.60	540.23	-132.60
		195	4.94	0.70	-4.38	-0.41	-3.27	2.11	822.34	302.82	438.11	687.06	-227.99
		196	4.00	0.44	-2.88	-0.57	-1.88	1.53	679.04	399.64	399.75	678.93	-5.56
		237	4.09	1.44	-3.12	-0.94	-0.74	2.28	661.70	534.19	658.68	537.21	-19.40
28	34	239	3.39	1.37	-2.79	-0.68	-0.73	2.08	572.21	345.32	525.94	391.59	-91.41
		195	3.53	0.49	-2.94	-0.28	-2.17	1.43	588.97	222.56	314.20	497.33	-158.68
		196	2.88	0.31	-1.92	-0.38	-1.23	1.03	489.57	287.14	287.15	489.56	1.27
		237	2.94	0.98	-2.11	-0.65	-0.47	1.54	475.81	386.27	474.86	387.22	-9.17
28	47	239	2.54	0.65	-1.16	-0.27	-0.25	0.90	432.63	261.58	391.60	302.61	-73.03
		195	2.66	0.30	-1.08	-0.05	-0.72	0.61	448.38	158.97	228.05	379.30	-123.37
		196	2.16	0.27	-0.68	-0.07	-0.34	0.45	371.35	201.27	201.66	370.97	-8.06
		237	2.18	0.49	-0.85	-0.27	-0.09	0.66	350.53	294.76	349.15	296.14	-8.65
28	54	239	2.37	0.60	-0.98	-0.24	-0.13	0.79	401.78	254.68	367.26	289.20	-62.34
		195	2.45	0.30	-0.85	-0.05	-0.51	0.53	416.51	158.84	213.63	361.72	-105.43
		196	2.03	0.27	-0.51	-0.06	-0.18	0.38	349.44	192.27	192.36	349.35	3.76
		237	2.07	0.45	-0.70	-0.25	5.14e-03	0.56	333.20	277.91	333.18	277.93	-1.01
28	59	239	4.13	-0.91	-3.62	-0.95	-3.57	0.35	694.10	451.57	651.55	494.13	-92.25
		195	4.64	-1.20	-6.20	-1.20	-6.19	0.07	775.34	448.23	524.80	698.77	-138.51
		196	4.13	-1.13	-5.85	-1.14	-5.84	0.22	683.83	407.67	407.74	683.76	-4.43
		237	3.44	-0.86	-3.47	-0.92	-3.41	0.41	529.87	478.85	528.98	479.74	-6.70
28	91	239	3.14	-0.29	-1.92	-0.56	-1.65	0.60	530.63	342.31	492.93	380.01	-75.36
		195	3.40	-0.52	-3.07	-0.56	-3.03	0.33	575.06	286.95	351.16	510.85	-119.90
		196	2.96	-0.50	-2.73	-0.55	-2.69	0.31	497.23	287.07	287.07	497.23	-0.13
		237	2.67	-0.34	-1.71	-0.55	-1.50	0.49	419.54	367.03	419.28	367.30	-3.75
29	4	175	11.26	-2.97	-32.35	-3.81	-31.50	-4.91	678.95	-1212.81	109.56	-643.42	867.72
		209	15.80	-4.68	-17.39	-5.20	-16.88	-2.50	1666.19	-1044.09	967.05	-344.94	1185.78
		189	11.78	3.48	-19.54	0.68	-16.74	-7.52	1472.42	-372.25	526.39	573.78	922.03
		176	9.54	1.67	-21.92	1.52	-21.78	1.86	1086.97	-446.57	-159.64	800.05	598.07
29	34	175	7.70	-2.12	-22.37	-2.71	-21.77	-3.41	476.20	-821.74	66.29	-411.83	603.34
		209	11.05	-3.24	-12.04	-3.58	-11.70	-1.69	1186.42	-704.07	686.65	-204.30	833.69
		189	8.22	2.33	-13.56	0.44	-11.66	-5.15	1047.02	-228.23	375.83	442.96	636.74
		176	6.88	1.20	-15.18	1.10	-15.08	1.29	800.37	-300.22	-108.42	608.57	417.50
29	47	175	4.62	-0.13	-9.96	-0.25	-9.84	-1.10	424.55	-359.89	33.63	31.03	392.22

		209	6.83	-1.48	-6.51	-1.48	-6.51	-0.11	868.07	-259.59	510.79	97.69	524.63
		189	5.18	1.04	-6.43	0.64	-6.03	-1.68	789.28	85.30	321.36	553.22	332.35
		176	5.86	-0.08	-8.23	-0.10	-8.21	0.41	766.25	-140.44	-74.25	700.06	235.87
29	54	175	3.83	-0.68	-9.39	-0.86	-9.20	-1.25	351.34	-291.78	-1.50	61.05	320.04
		209	5.96	-1.36	-5.81	-1.37	-5.80	-0.19	778.66	-194.49	450.25	133.92	460.15
		189	4.60	0.72	-6.10	0.32	-5.70	-1.60	708.06	104.05	278.14	533.97	273.58
		176	5.44	0.30	-7.35	0.28	-7.32	0.46	726.41	-106.34	-52.15	672.22	205.41
29	81	175	12.35	-4.94	-37.53	-8.22	-34.25	-9.81	1101.63	-957.93	321.91	-178.21	998.96
		209	13.80	-3.37	-21.86	-6.32	-18.91	-6.77	1335.35	-1005.56	684.38	-354.59	1048.86
		189	8.30	0.94	-18.26	0.53	-17.84	-2.80	818.81	-590.86	225.49	2.46	695.96
		176	9.07	-1.71	-31.54	-1.92	-31.33	-2.48	983.79	-477.96	103.15	402.68	715.36
29	113	175	7.81	-2.85	-22.80	-4.40	-21.24	-5.35	701.06	-602.05	151.62	-52.61	643.50
		209	9.61	-2.58	-13.26	-3.75	-12.09	-3.33	1040.41	-580.71	561.28	-101.57	739.70
		189	5.95	0.81	-11.91	0.42	-11.53	-2.18	739.36	-208.52	253.09	277.75	473.78
		176	6.70	-0.73	-18.91	-0.78	-18.86	-0.95	800.48	-239.42	17.32	543.74	448.41
30	18	206	15.05	7.60	-21.23	-4.94	-8.69	-14.30	1149.68	-1311.94	322.88	-485.15	-1162.61
		125	4.66	-5.40	-30.91	-5.64	-30.67	2.44	653.11	-47.86	484.07	121.19	-299.87
		111	13.08	-43.84	-81.46	-45.35	-79.95	7.38	1056.02	-1016.92	1051.89	-1012.79	-92.51
		207	12.60	13.38	-22.17	-22.12	13.33	1.31	757.12	-1250.66	604.40	-1097.93	-532.27
30	41	206	10.43	4.95	-14.45	-3.51	-5.99	-9.62	816.00	-893.99	246.05	-324.04	-806.08
		125	3.24	-4.00	-21.13	-4.19	-20.94	1.77	457.08	-26.01	343.50	87.57	-204.87
		111	9.14	-29.57	-55.45	-30.65	-54.37	5.18	746.72	-706.14	744.10	-703.53	-61.58
		207	8.83	8.87	-15.10	-15.06	8.83	1.00	541.48	-870.42	440.24	-769.18	-364.27
30	52	206	5.68	0.67	-6.48	-2.69	-3.12	-3.57	551.46	-396.62	258.86	-104.01	-437.94
		125	1.89	-3.48	-10.33	-4.02	-9.79	1.84	278.08	27.33	239.40	66.02	-90.58
		111	5.32	-11.82	-24.72	-12.71	-23.83	3.27	496.25	-370.06	495.46	-369.26	-26.20
		207	5.30	2.31	-7.12	-6.88	2.07	1.50	384.90	-484.52	352.65	-452.27	-164.30
30	54	206	4.82	-0.38	-4.92	-2.72	-2.59	-2.27	511.98	-294.74	273.87	-56.63	-367.95
		125	1.67	-3.20	-8.55	-4.15	-7.60	2.04	247.02	39.94	224.05	62.92	-65.03
		111	4.65	-8.16	-18.50	-9.05	-17.61	2.91	455.45	-308.79	454.87	-308.21	-21.09
		207	4.72	0.97	-5.76	-5.25	0.46	1.78	369.30	-415.12	349.76	-395.57	-122.27
30	85	206	11.23	5.84	-18.50	-15.45	2.78	8.07	504.05	-1278.56	151.72	-926.22	-709.88
		125	4.45	-16.88	-37.92	-21.22	-33.58	8.51	239.95	-487.12	77.06	-324.23	-303.15
		111	10.91	-36.39	-56.00	-44.68	-47.72	-9.69	1219.92	-584.96	1212.01	-577.04	-119.27
		207	13.71	2.43	-32.53	-31.32	1.22	-6.41	1064.50	-1167.39	1023.71	-1126.60	-298.98
30	117	206	7.63	0.71	-9.45	-8.68	-0.06	2.69	507.74	-762.02	219.00	-473.29	-532.22
		125	2.81	-9.85	-22.63	-12.36	-20.13	5.07	243.40	-209.70	156.53	-122.83	-178.36
		111	7.48	-24.72	-33.38	-26.00	-32.10	-3.07	820.53	-440.37	817.08	-436.93	-65.79
		207	9.00	1.04	-17.92	-17.69	0.80	-2.11	700.72	-774.94	671.28	-745.51	-206.32
31	18	127	6.10	-1.74	-5.93	-4.39	-3.28	-2.02	1.80	-905.03	-8.30	-894.94	-95.13
		129	3.01	26.62	10.71	24.93	12.39	4.90	-57.47	-449.73	-57.48	-449.71	2.45
		328	3.46	27.62	-0.76	15.89	10.96	-13.97	73.04	-358.31	-36.26	-249.01	187.61
		305	4.26	18.16	-14.40	9.70	-5.95	-14.28	355.99	-301.79	354.41	-300.21	32.17
31	41	127	4.27	-1.19	-4.04	-2.93	-2.30	-1.39	3.57	-632.17	-2.25	-626.35	-60.55
		129	2.06	17.97	6.95	16.83	8.09	3.36	-40.44	-312.16	-40.75	-311.84	9.29
		328	2.52	18.59	-0.69	10.79	7.11	-9.46	65.66	-257.64	-24.95	-167.03	145.20
		305	2.95	12.21	-9.79	6.55	-4.12	-9.62	261.52	-197.66	259.11	-195.25	33.18
31	47	127	2.52	-1.31	-2.09	-1.55	-1.85	-0.36	27.59	-358.92	27.46	-358.79	7.02
		129	1.29	6.28	-0.37	5.76	0.15	1.79	2.31	-173.24	-21.07	-149.86	59.65
		328	2.42	6.03	-1.88	4.28	-0.13	-3.29	162.79	-222.10	-10.40	-48.91	191.48
		305	2.03	4.03	-3.56	2.89	-2.42	-2.71	272.92	-44.72	241.42	-13.22	94.93
31	54	127	2.26	-0.99	-1.81	-1.08	-1.72	-0.25	27.97	-318.48	27.75	-318.26	8.75
		129	1.16	5.41	-0.62	4.97	-0.19	1.56	3.58	-154.78	-20.11	-131.09	56.48
		328	2.19	5.09	-1.85	3.65	-0.41	-2.81	151.40	-199.70	-9.93	-38.37	174.97
		305	1.82	3.23	-3.17	2.26	-2.20	-2.30	252.08	-31.85	221.08	-0.85	88.55
31	62	127	4.16	20.73	-12.86	2.09	5.78	16.69	19.39	-517.35	-92.43	-405.52	217.98
		129	4.97	18.80	-9.83	6.05	2.92	14.23	233.34	-477.44	-109.90	-134.20	355.18
		328	6.55	-7.50	-16.33	-8.23	-15.60	2.43	574.02	-529.54	98.18	-53.69	546.53
		305	4.83	8.68	-9.97	-5.51	4.22	7.95	447.13	-326.53	194.32	-73.72	362.87
31	94	127	2.76	8.30	-6.38	0.28	1.63	7.31	4.42	-384.80	-24.54	-355.84	102.14
		129	2.71	10.86	-4.34	5.44	1.09	7.28	97.07	-288.38	-59.13	-132.17	189.23
		328	3.97	-1.64	-7.39	-1.68	-7.36	-0.45	339.54	-345.38	38.57	-44.41	339.94
		305	2.95	2.16	-2.72	-1.21	0.65	2.25	331.13	-154.29	209.20	-32.36	210.53
32	18	172	9.72	53.82	27.13	27.15	53.80	0.76	979.86	-647.16	439.27	-106.57	-766.36
		206	17.70	9.57	-24.56	-6.61	-8.38	-17.04	1328.18	-1562.52	-78.98	-155.37	-1444.85
		207	21.06	5.43	-24.80	-17.22	-2.14	13.10	1322.26	-2177.16	1181.75	-2036.64	-687.01
		101	17.03	54.39	-27.64	-27.54	54.29	2.83	28.04	-2401.82	-943.26	-1430.52	-1190.25
32	41	172	6.88	36.49	18.40	18.41	36.48	0.40	725.26	-431.77	320.72	-27.23	-551.73
		206	12.18	6.21	-16.67	-4.63	-5.83	-11.42	915.94	-1075.09	-47.78	-111.36	-995.01
		207	14.70	3.60	-16.91	-11.72	-1.59	8.92	956.55	-1492.71	854.14	-1390.30	-490.25
		101	11.83	36.69	-18.89	-18.82	36.61	2.09	-63.08	-1704.11	-692.32	-1074.87	-797.91
32	47	172	6.45	12.70	4.89	5.33	12.26	-1.80	837.40	-169.25	273.99	394.16	-499.73
		206	4.90	-2.08	-5.00	-3.49	-3.59	-1.46	334.09	-492.96	24.09	-182.97	-400.36
		207	7.62	0.37	-5.84	-4.97	-0.50	2.16	833.53	-431.97	671.46	-269.89	-422.90
		101	8.88	9.75	-8.85	-7.73	8.64	4.42	-640.39	-1483.64	-640.71	-1483.32	16.29
32	54	172	5.77	11.12	4.49	4.85	10.76	-1.50	760.44	-134.09	262.66	363.69	-444.40
		206	4.47	-1.72	-4.53	-3.04	-3.21	-1.40	318.51	-437.48	23.40	-142.36	-368.80

		207	7.07	0.20	-5.31	-4.30	-0.80	2.13	755.71	-423.54	625.34	-293.17	-369.78
		101	7.76	8.62	-7.74	-6.90	7.79	3.59	-605.49	-1298.88	-605.91	-1298.46	-17.12
32	62	172	6.67	-9.15	-23.14	-9.25	-23.04	-1.15	683.57	-423.47	549.44	-289.34	361.25
		206	3.61	-10.79	-13.46	-13.18	-11.07	0.82	401.47	-180.05	401.38	-179.96	-7.29
		207	4.89	8.78	-22.46	-6.69	-6.99	15.62	-28.60	-626.68	-172.25	-483.02	255.50
		101	19.84	-3.45	-32.81	-12.13	-24.13	13.40	-974.45	-3184.18	-1886.40	-2272.23	1087.89
32	94	172	2.64	-0.94	-5.25	-1.43	-4.76	-1.37	411.26	47.52	389.95	68.84	-85.44
		206	3.11	-6.54	-7.74	-7.54	-6.73	-0.44	284.16	-252.46	191.66	-159.96	-202.69
		207	4.09	3.86	-12.73	-5.32	-3.56	8.25	287.97	-386.62	277.10	-375.75	-84.94
		101	12.04	0.07	-16.03	-9.15	-6.81	7.97	-903.42	-2008.60	-1176.22	-1735.80	476.52
33	18	208	13.08	24.20	-27.97	21.88	-25.65	10.75	909.45	-1315.46	197.77	-603.79	-1037.75
		112	13.46	73.96	39.64	68.81	44.79	-12.25	-332.34	-2006.22	-1505.87	-832.69	-766.27
		123	5.16	4.19	-1.69	0.04	2.46	-2.68	115.95	-688.47	-346.48	-226.04	-397.68
		190	17.52	35.99	-16.37	15.79	3.82	-25.49	1185.60	-1585.00	-120.66	-278.73	-1383.04
33	41	208	8.61	16.37	-19.12	14.86	-17.61	7.17	619.94	-848.52	157.55	-386.14	-682.05
		112	8.93	50.65	27.09	47.06	30.68	-8.47	-217.90	-1327.12	-991.16	-553.86	-509.69
		123	3.49	2.82	-1.48	-0.29	1.63	-1.92	88.06	-458.07	-226.72	-143.29	-269.86
		190	11.81	24.59	-11.37	10.67	2.55	-17.51	823.94	-1042.37	-56.89	-161.54	-931.69
33	52	208	2.45	7.06	-9.17	6.68	-8.78	2.46	282.80	-102.75	193.42	-13.37	-162.70
		112	2.48	24.40	12.60	22.29	14.71	-4.52	-23.51	-342.54	-220.97	-145.07	-154.93
		123	1.41	0.81	-2.54	-2.07	0.34	-1.16	98.86	-130.73	-33.10	1.23	-113.50
		190	4.67	11.32	-6.03	4.28	1.01	-8.52	461.87	-248.99	119.45	93.42	-355.19
33	54	208	1.49	5.32	-7.29	5.13	-7.10	1.54	221.92	69.54	208.37	83.09	-43.38
		112	1.12	19.23	9.74	17.40	11.57	-3.74	33.78	-115.80	-38.21	-43.81	-74.74
		123	1.01	0.29	-2.86	-2.56	-5.55e-03	-0.91	107.41	-55.50	14.56	37.35	-80.65
		190	3.27	8.60	-4.89	2.97	0.73	-6.65	396.36	-66.66	168.06	161.65	-231.49
33	59	208	23.24	5.17	-11.70	4.92	-11.45	2.04	-235.91	-3562.56	-2786.48	-1011.99	-1406.92
		112	20.40	26.63	16.05	16.41	26.26	-1.94	-416.30	-3216.79	-2959.05	-674.04	-809.55
		123	9.63	30.32	13.06	26.32	17.05	7.28	124.89	-1261.82	-930.49	-206.45	-591.34
		190	16.88	28.26	0.60	28.13	0.73	-1.88	663.82	-2109.96	-888.26	-557.88	-1377.02
33	91	208	10.22	5.27	-9.24	5.06	-9.03	1.73	-18.17	-1509.44	-1121.48	-406.13	-654.25
		112	9.57	20.71	14.62	17.03	18.30	-2.98	-181.21	-1478.96	-1334.95	-325.22	-407.62
		123	4.67	11.97	6.03	10.32	7.68	2.66	116.06	-593.89	-404.90	-72.93	-313.78
		190	8.97	15.56	-0.66	14.17	0.73	-4.53	517.13	-979.26	-301.05	-161.09	-744.92
34	17	169	6.12	20.08	-49.76	-43.23	13.55	20.33	90.66	-776.03	-606.12	-79.25	-344.07
		168	13.01	-6.19	-110.30	-110.07	-6.43	-4.94	527.38	-1168.38	-957.67	316.67	-559.38
		112	14.89	93.11	33.55	76.44	50.21	26.74	-427.81	-2006.48	-1498.48	-935.81	-737.49
		208	13.89	28.68	-33.80	24.83	-29.96	15.02	924.68	-1361.96	27.45	-464.73	-1116.52
34	40	169	3.84	13.52	-33.76	-29.27	9.03	13.86	51.59	-492.98	-372.96	-68.44	-225.73
		168	8.55	-4.11	-74.96	-74.80	-4.27	-3.38	356.40	-751.22	-611.49	216.67	-367.75
		112	9.92	63.51	23.05	52.26	34.30	18.13	-286.97	-1330.48	-987.07	-630.38	-490.32
		208	9.03	19.55	-23.02	16.93	-20.41	10.21	626.22	-862.17	52.81	-288.77	-724.33
34	52	169	1.63	5.54	-15.20	-12.99	3.33	6.40	77.19	-102.65	65.85	-91.31	-43.71
		168	1.98	-1.49	-33.76	-33.67	-1.57	-1.63	138.96	-75.11	-24.17	88.01	-91.16
		112	3.05	29.66	11.70	24.96	16.41	7.90	-63.32	-363.18	-217.77	-208.73	-149.86
		208	2.03	9.06	-10.70	8.01	-9.64	4.43	270.45	-24.20	207.44	38.81	-120.81
34	53	169	1.93	2.69	-8.36	-6.84	1.17	3.81	180.66	-106.10	180.65	-106.09	1.81
		168	1.35	-0.45	-19.08	-19.03	-0.50	-0.98	131.46	55.11	130.67	55.90	-7.71
		112	1.17	17.88	7.60	15.54	9.94	4.31	15.62	-117.55	-4.57	-97.35	-47.76
		208	1.74	5.37	-6.20	4.81	-5.63	2.50	261.63	99.21	242.51	118.34	52.35
34	59	169	17.08	-15.87	-74.72	-72.79	-17.80	-10.48	74.98	-2192.90	-2050.83	-67.09	-549.56
		168	17.72	13.25	-83.09	-81.81	11.97	11.04	-290.64	-2475.17	-2186.98	-578.83	-739.27
		112	22.61	74.84	-8.46	17.90	48.48	38.74	-530.54	-3394.22	-2988.02	-936.75	-999.12
		208	18.83	6.86	-10.14	6.24	-9.51	3.20	-77.61	-2804.98	-2612.45	-270.14	-698.59
34	91	169	7.08	-6.65	-38.44	-38.31	-6.79	-2.03	-3.57	-898.32	-819.51	-82.39	-253.58
		168	8.11	5.25	-51.27	-50.92	4.91	4.41	-84.04	-1058.83	-910.26	-232.61	-350.37
		112	10.80	45.55	2.48	18.85	29.18	20.91	-259.46	-1567.34	-1347.08	-479.72	-489.45
		208	7.92	6.94	-9.11	6.27	-8.44	3.22	33.38	-1112.92	-1022.46	-57.08	-309.05
35	18	360	5.05	43.65	-29.14	7.88	6.62	36.39	284.01	-228.93	-15.62	70.70	-252.82
		229	7.02	32.28	-27.97	5.36	-1.05	29.95	666.47	-225.32	228.54	212.61	-445.82
		230	5.60	29.69	-22.06	-0.46	8.09	25.52	557.01	-128.51	265.94	162.57	-338.84
		361	3.43	28.61	-35.95	-12.70	5.37	30.99	15.94	-266.26	-164.06	-86.26	-135.63
35	41	360	3.48	29.22	-20.48	5.03	3.71	24.84	195.75	-161.04	-17.92	52.63	-174.87
		229	4.82	21.81	-19.44	3.27	-0.90	20.52	469.95	-139.80	170.90	159.26	-304.82
		230	3.80	19.84	-15.13	-0.59	5.30	17.23	390.35	-70.98	195.98	123.39	-227.79
		361	2.31	19.30	-25.10	-9.00	3.20	21.35	6.91	-181.92	-118.84	-56.17	-89.06
35	52	360	1.89	10.19	-13.35	0.03	-3.19	11.66	106.53	-108.06	-51.66	50.13	-94.46
		229	2.52	8.65	-11.68	-1.27	-1.76	10.16	304.27	14.40	164.23	154.45	-144.85
		230	1.79	6.82	-8.03	-2.15	0.93	7.26	240.43	61.28	173.08	128.63	-86.77
		361	1.00	7.84	-15.46	-6.23	-1.39	11.40	-5.37	-101.52	-96.41	-10.47	-21.56
35	54	360	1.64	6.26	-12.51	-1.19	-5.06	9.18	92.90	-102.06	-61.02	51.86	-79.48
		229	2.13	5.93	-10.53	-2.51	-2.09	8.23	276.53	48.85	167.41	157.97	-113.74
		230	1.48	4.13	-6.79	-2.59	-0.06	5.31	214.96	91.71	173.02	133.65	-58.40
		361	0.92	5.74	-14.03	-5.83	-2.46	9.74	-0.18	-95.19	-94.59	-0.78	-7.50
35	83	360	6.00	58.27	-21.85	23.44	12.98	39.72	338.91	-302.26	46.61	-9.96	-319.33
		229	6.68	46.04	-19.05	20.84	6.15	31.70	659.48	-165.35	289.06	205.07	-410.27
		230	5.28	35.96	-17.27	12.48	6.21	26.43	438.81	-209.18	128.93	100.70	-323.69

		361	4.82	48.86	-26.90	9.76	12.20	37.86	106.36	-331.33	-146.66	-78.31	-216.16
35	115	360	3.62	30.65	-17.10	10.07	3.49	23.64	198.75	-188.54	-11.81	22.02	-192.91
		229	4.22	24.63	-14.60	8.15	1.87	19.36	456.32	-53.26	223.20	179.86	-253.87
		230	3.11	19.06	-11.69	4.41	2.95	15.36	319.53	-49.72	151.93	117.87	-183.84
		361	2.66	26.08	-20.19	1.39	4.49	23.08	34.87	-192.69	-119.59	-38.23	-106.26
36	18	170	6.13	1.66	-14.20	-0.49	-12.06	5.42	540.80	-500.82	297.53	-257.55	-440.70
		208	14.88	23.57	-8.63	19.64	-4.71	10.53	804.02	-1634.96	-182.15	-648.79	-1196.96
		190	16.52	26.54	-15.34	11.44	-0.24	-20.11	1251.31	-1400.40	175.94	-325.03	-1301.98
		171	7.74	0.18	-8.71	-1.77	-6.76	-3.68	439.77	-836.34	-96.52	-300.05	-629.88
36	41	170	3.98	0.88	-10.03	-0.45	-8.69	3.57	362.42	-311.03	191.89	-140.50	-292.85
		208	9.67	15.89	-5.84	13.32	-3.26	7.02	541.33	-1047.08	-98.11	-407.64	-778.98
		190	11.20	18.13	-10.75	7.72	-0.33	-13.87	870.11	-925.77	135.40	-191.05	-882.98
		171	5.14	0.13	-5.94	-1.15	-4.66	-2.48	312.29	-538.36	-66.90	-159.17	-422.82
36	52	170	1.59	-0.51	-5.84	-0.72	-5.62	1.05	198.71	-28.30	19.91	150.49	-92.85
		208	1.89	6.66	-2.59	5.88	-1.81	2.57	216.17	-86.94	100.90	28.32	-147.14
		190	4.77	8.27	-6.13	3.07	-0.93	-6.91	490.35	-251.70	149.68	88.97	-369.78
		171	2.25	0.23	-2.53	-0.25	-2.05	-1.05	265.46	-111.61	-32.06	185.91	-153.85
36	54	170	1.90	-0.68	-4.81	-0.76	-4.73	0.58	244.52	-33.21	-23.68	234.99	-50.56
		208	1.06	4.96	-2.03	4.48	-1.55	1.77	153.05	141.93	152.67	142.31	-2.03
		190	3.52	6.21	-5.14	2.11	-1.05	-5.45	423.08	-101.35	159.88	161.85	-262.21
		171	2.25	0.28	-1.78	-0.09	-1.42	-0.79	307.22	-50.78	-22.95	279.39	-95.86
36	62	170	21.54	2.17	-13.43	-8.69	-2.57	-7.18	2824.35	-624.21	256.78	1943.36	1504.00
		208	20.12	7.23	-6.57	-2.20	2.86	-6.42	2214.06	-1157.37	242.24	814.45	1661.26
		190	12.50	10.09	-11.06	-4.72	3.76	-9.69	1658.86	-258.08	551.20	849.58	946.79
		171	16.66	3.18	-10.16	-8.04	1.06	-4.88	2515.83	74.67	586.71	2003.79	993.87
36	115	170	8.90	5.27	-7.41	4.34	-6.48	3.30	451.38	-1030.79	-159.81	-419.60	-729.61
		208	8.41	10.21	-5.79	8.75	-4.32	4.62	642.58	-776.69	68.33	-202.45	-696.60
		190	9.93	8.39	-7.95	4.97	-4.53	-6.65	755.25	-891.01	35.57	-171.33	-816.60
		171	7.76	3.72	-3.76	3.42	-3.46	-1.47	344.69	-936.06	-218.58	-372.80	-635.72
37	4	166	16.88	52.77	20.06	45.71	27.12	-13.45	1920.33	-704.99	901.97	313.37	-1279.25
		100	27.79	27.65	-51.97	18.03	-42.35	25.95	-882.47	-4446.33	-4307.59	-1021.21	689.34
		113	13.17	-17.41	-58.53	-53.14	-22.80	13.88	1956.54	138.64	287.68	1807.50	-498.72
		115	6.67	-16.73	-50.61	-47.04	-20.31	10.40	479.64	-613.47	-443.14	309.31	-396.46
37	34	166	11.86	36.14	13.71	31.58	18.27	-9.02	1351.34	-497.28	642.33	211.73	-898.88
		100	19.55	18.49	-35.19	11.89	-28.59	17.63	-615.72	-3127.42	-3041.73	-701.41	455.96
		113	9.37	-10.90	-40.38	-36.37	-14.91	10.11	1390.39	76.48	171.56	1295.31	-340.42
		115	4.70	-11.76	-34.88	-32.21	-14.42	7.38	349.87	-429.78	-303.56	223.65	-287.19
37	47	166	8.18	16.84	5.37	15.85	6.36	-3.22	977.26	-323.22	526.67	127.37	-618.83
		100	13.45	5.36	-14.50	1.66	-10.80	7.73	-414.28	-2178.36	-2151.58	-441.05	215.69
		113	7.12	1.53	-21.03	-17.16	-2.33	8.50	1083.48	44.23	82.92	1044.79	-196.74
		115	3.52	-6.89	-18.73	-15.21	-10.41	5.41	294.00	-282.49	-178.20	189.71	-221.91
37	54	166	7.24	14.96	4.63	14.26	5.33	-2.59	860.73	-294.47	466.76	99.49	-547.63
		100	11.96	4.43	-12.18	1.28	-9.03	6.51	-351.26	-1929.78	-1915.05	-366.00	151.78
		113	6.59	2.31	-18.63	-14.91	-1.41	8.00	974.33	-4.19	23.77	946.37	-163.01
		115	3.26	-6.08	-16.58	-13.21	-9.46	4.90	278.00	-250.72	-147.49	174.78	-209.57
37	58	166	25.93	11.77	-36.26	-11.74	-12.74	-24.01	227.13	-3625.79	-3198.38	-200.29	-1210.00
		100	41.04	25.45	-19.18	-15.48	21.75	12.30	-0.89	-5995.87	-5479.90	-516.85	1681.37
		113	20.69	66.09	2.97	28.14	40.92	30.91	2385.60	-711.71	1168.95	504.94	1512.65
		115	8.62	21.36	-8.68	21.10	-8.42	2.79	1416.48	365.13	930.72	850.90	-524.16
37	94	166	12.65	12.33	-13.87	1.55	-3.09	-12.89	410.39	-1577.06	-1133.69	-32.97	-827.40
		100	24.44	10.52	-11.74	-6.95	5.74	9.14	-223.40	-3697.24	-3480.70	-439.94	839.84
		113	9.12	32.07	-7.81	5.35	18.91	18.75	1215.98	50.40	533.78	732.60	574.25
		115	5.22	4.00	-10.00	2.87	-8.88	3.81	760.29	46.83	337.41	469.71	-350.55
38	4	234	3.98	15.41	-30.25	-30.08	15.24	-2.76	619.38	272.78	457.61	434.56	-172.92
		221	9.08	4.83	-12.35	-11.04	3.53	-4.55	1465.44	309.55	1277.74	497.25	-426.29
		271	8.20	13.15	-10.25	-2.20	5.10	-11.12	1333.56	440.03	1109.34	664.25	-387.39
		270	4.73	18.78	-10.02	-2.80	11.56	-12.49	652.98	119.54	344.51	428.01	-263.43
38	34	234	2.82	10.46	-20.53	-20.39	10.32	-2.06	440.71	210.09	337.13	313.67	-114.71
		221	6.56	3.27	-8.42	-7.47	2.32	-3.18	1062.20	233.59	935.77	360.02	-297.95
		271	5.88	8.90	-6.96	-1.38	3.32	-7.57	962.56	330.25	811.65	481.16	-269.54
		270	3.30	12.83	-6.73	-1.65	7.75	-8.57	465.20	102.47	257.44	310.23	-179.43
38	47	234	2.25	4.40	-8.69	-8.37	4.07	-2.04	357.07	245.06	337.59	264.54	-42.46
		221	5.36	1.38	-3.90	-3.04	0.52	-1.95	888.61	232.39	823.96	297.04	-195.57
		271	4.66	3.67	-3.18	0.03	0.46	-3.42	787.14	322.40	710.54	399.01	-172.43
		270	2.30	6.03	-2.88	0.60	2.55	-4.35	366.68	173.73	274.49	265.93	-96.38
38	54	234	2.03	3.77	-7.44	-7.11	3.44	-1.90	321.35	228.62	308.40	241.57	-32.14
		221	4.94	1.17	-3.40	-2.59	0.37	-1.74	820.95	219.81	766.56	274.20	-172.45
		271	4.28	3.10	-2.73	0.13	0.24	-2.91	724.36	304.45	660.72	368.08	-150.57
		270	2.06	5.24	-2.40	0.76	2.08	-3.76	329.78	168.19	253.81	244.16	-80.65
38	62	234	11.42	18.55	-13.47	14.71	-9.64	10.40	1692.16	168.54	1691.99	168.71	16.18
		221	14.12	21.17	-0.24	21.00	-0.07	1.92	2207.52	445.38	2161.40	491.50	-281.32
		271	10.56	3.64	-9.10	0.74	-6.20	5.34	1705.95	285.97	1660.87	331.04	-248.95
		270	7.94	7.83	-23.58	0.09	-15.84	13.53	1229.02	182.46	1228.63	182.85	20.16
38	94	234	5.70	4.50	-4.35	2.71	-2.56	3.55	922.78	210.37	922.64	210.51	-9.82
		221	8.92	8.03	0.16	8.03	0.17	-0.13	1431.73	324.55	1385.76	370.52	-220.87
		271	6.91	0.60	-2.89	0.42	-2.71	0.78	1151.79	305.48	1104.81	352.47	-193.80
		270	4.12	2.36	-7.91	0.51	-6.06	3.95	689.22	215.26	686.55	217.93	-35.44

39	18	113	10.46	-25.98	-74.85	-70.44	-30.39	-14.00	530.18	-967.90	-947.00	509.27	-175.73
		234	4.81	35.56	-16.88	-15.65	34.34	-7.92	551.01	49.02	152.16	447.86	-202.83
		270	5.78	18.71	-28.85	-20.38	10.25	-18.19	708.53	-10.77	303.35	394.40	-356.76
		119	6.61	19.28	6.33	16.86	8.75	-5.05	-77.17	-974.33	-946.50	-105.00	-155.54
39	41	113	7.54	-16.87	-51.01	-47.94	-19.93	-9.77	388.25	-701.75	-687.84	374.34	-122.35
		234	3.31	24.03	-11.38	-10.50	23.15	-5.51	393.23	60.13	126.46	326.90	-133.03
		270	4.01	12.66	-19.47	-13.56	6.75	-12.45	508.52	14.68	234.13	289.07	-245.39
		119	4.72	13.72	4.45	11.88	6.29	-3.70	-58.76	-697.45	-680.08	-76.13	-103.89
39	52	113	5.50	-2.88	-23.21	-21.44	-4.65	-5.73	362.30	-485.22	-479.41	356.49	-69.91
		234	1.97	9.74	-4.64	-3.96	9.06	-3.05	293.08	177.74	194.33	276.50	-40.47
		270	2.58	5.38	-8.15	-4.53	1.76	-5.99	402.42	129.65	275.40	256.67	-136.06
		119	3.16	9.33	2.29	7.09	4.54	-3.28	-44.20	-473.10	-468.44	-48.86	-44.47
39	54	113	5.26	0.28	-17.89	-16.31	-1.30	-5.12	381.76	-442.29	-437.66	377.13	-61.60
		234	1.87	6.92	-3.39	-2.66	6.19	-2.64	287.89	212.17	220.49	279.57	-23.69
		270	2.49	4.06	-6.09	-2.66	0.64	-4.80	404.41	160.40	300.58	264.23	-120.64
		119	2.92	8.82	1.72	6.24	4.30	-3.42	-39.25	-436.88	-433.80	-42.33	-34.84
39	62	113	8.72	45.44	-4.06	26.45	14.93	24.07	1303.97	780.29	1254.52	829.74	153.14
		234	13.07	36.37	3.01	34.75	4.62	7.16	1857.72	146.41	1844.66	159.47	148.93
		270	12.28	-9.38	-17.29	-10.68	-16.00	-2.93	1900.06	165.51	1897.73	167.84	-63.63
		119	7.52	17.83	-18.54	1.78	-2.49	18.06	1240.52	432.74	1234.82	438.43	67.61
39	91	113	10.00	0.45	-44.67	-35.51	-8.71	-18.15	194.41	-1207.22	-1189.42	176.62	-156.91
		234	5.84	8.73	-21.19	-19.41	6.94	-7.08	343.51	-512.92	-500.97	331.56	-100.43
		270	4.79	11.20	-2.22	0.81	8.18	-5.61	334.46	-438.05	-409.32	305.73	-146.17
		119	7.33	20.61	-5.29	8.11	7.22	-12.94	-248.11	-1182.44	-1175.48	-255.07	-80.36
40	4	163	15.33	0.31	-12.73	-12.70	0.28	-0.68	2175.49	-125.22	2099.81	-49.54	-410.36
		162	16.82	0.07	-3.65	-3.54	-0.04	-0.62	2364.84	-268.58	2214.96	-118.70	-610.11
		228	18.90	4.10	-7.47	-2.73	-0.64	-5.69	2736.31	-128.82	1955.01	652.48	-1275.97
		223	14.11	4.11	-10.79	-6.28	-0.40	-6.84	2180.04	158.83	1883.04	455.82	-715.60
40	34	163	11.11	0.21	-8.65	-8.62	0.19	-0.47	1579.76	-89.16	1527.09	-36.49	-291.78
		162	12.16	0.05	-2.47	-2.40	-0.03	-0.42	1711.29	-191.95	1604.61	-85.28	-437.78
		228	13.58	2.77	-5.07	-1.86	-0.44	-3.85	1972.72	-84.24	1415.10	473.38	-914.36
		223	10.16	2.79	-7.35	-4.26	-0.29	-4.66	1575.85	124.95	1369.04	331.76	-507.24
40	47	163	9.11	0.09	-3.34	-3.33	0.08	-0.20	1317.45	-64.32	1283.28	-30.15	-214.59
		162	9.86	0.02	-0.54	-0.50	-0.02	-0.15	1398.45	-146.56	1321.36	-69.48	-336.38
		228	10.70	1.30	-2.12	-0.64	-0.18	-1.69	1580.49	-30.75	1162.84	386.90	-706.05
		223	8.12	1.33	-3.22	-1.65	-0.23	-2.16	1280.54	144.37	1147.39	277.53	-365.46
40	54	163	8.43	0.08	-2.93	-2.92	0.07	-0.17	1219.91	-59.24	1189.67	-29.00	-194.33
		162	9.10	6.60e-03	-0.58	-0.56	-0.02	-0.12	1290.58	-133.72	1219.91	-63.05	-309.29
		228	9.81	1.02	-1.80	-0.60	-0.17	-1.39	1452.91	-21.17	1071.55	360.19	-645.53
		223	7.47	1.10	-2.78	-1.46	-0.23	-1.84	1181.39	140.69	1063.58	258.50	-329.74
40	60	163	12.48	1.68	-4.52	-3.38	0.54	-2.40	1907.53	110.37	1903.61	114.30	-83.91
		162	13.72	1.87	-3.38	-1.08	-0.43	-2.61	2038.37	-27.28	1907.33	103.76	-503.49
		228	13.08	3.24	-5.18	-1.25	-0.69	-4.20	1996.40	117.25	1588.89	524.75	-774.40
		223	10.25	3.57	-5.41	-1.95	0.11	-4.37	1668.02	314.70	1614.38	368.34	-264.03
40	96	163	10.24	-0.17	-4.86	-4.44	-0.59	-1.34	1494.26	-52.58	1423.00	18.68	-324.27
		162	10.80	0.33	-2.81	-2.13	-0.34	-1.29	1578.57	-73.32	1446.34	58.91	-448.28
		228	11.33	1.88	-3.71	-1.41	-0.42	-2.75	1694.16	17.08	1238.36	472.88	-746.09
		223	8.97	2.35	-4.46	-2.19	0.08	-3.21	1401.11	134.54	1241.50	294.16	-420.34
41	4	233	24.72	0.57	-3.69	-1.77	-1.35	-2.12	3275.93	-727.35	1375.18	1173.41	-1999.10
		160	15.79	1.43	-5.13	1.42	-5.12	0.31	1918.59	-701.24	-133.04	1350.39	-1079.69
		159	17.03	-0.57	-7.18	-0.58	-7.17	0.26	2364.93	-295.80	16.12	2053.01	-855.95
		222	17.28	1.83	-6.89	0.08	-5.15	-3.49	2520.78	-109.87	844.09	1566.82	-1264.71
41	34	233	17.77	0.38	-2.50	-1.20	-0.92	-1.44	2359.90	-516.10	991.29	852.51	-1436.33
		160	11.37	0.95	-3.49	0.94	-3.48	0.22	1382.33	-503.14	-101.43	980.62	-772.04
		159	12.28	-0.38	-4.86	-0.38	-4.85	0.17	1708.17	-208.91	13.97	1485.29	-614.49
		222	12.39	1.22	-4.67	0.05	-3.50	-2.35	1812.77	-70.84	607.79	1134.14	-904.29
41	47	233	14.05	-0.05	-0.90	-0.68	-0.27	-0.37	1881.73	-392.04	804.53	685.16	-1135.32
		160	9.00	0.49	-2.51	0.46	-2.49	0.27	1093.46	-401.94	-86.88	778.40	-609.81
		159	9.77	-0.24	-2.52	-0.24	-2.51	0.10	1368.06	-161.85	12.39	1193.82	-486.02
		222	9.76	0.30	-1.97	-0.02	-1.65	-0.79	1442.08	-39.42	487.69	914.97	-709.27
41	54	233	12.87	-0.03	-0.78	-0.54	-0.27	-0.35	1729.38	-349.47	735.67	644.23	-1038.42
		160	8.26	0.33	-1.92	0.31	-1.89	0.22	1005.98	-365.89	-92.49	732.58	-548.02
		159	9.00	-0.15	-1.99	-0.15	-1.99	0.06	1266.30	-140.36	17.11	1108.83	-443.52
		222	8.88	0.25	-1.65	-0.02	-1.37	-0.67	1318.92	-23.79	445.24	849.89	-640.14
41	59	233	26.00	3.93	-3.54	-0.50	0.89	3.67	3154.93	-1162.26	1110.43	882.24	-2155.58
		160	20.60	-1.74	-20.91	-2.86	-19.79	4.48	2457.38	-922.63	481.56	1053.19	-1665.66
		159	16.16	-2.56	-20.36	-2.82	-20.10	-2.12	2252.35	-254.02	552.55	1445.78	-1170.90
		222	17.38	3.09	-3.39	0.61	-0.91	-3.15	2340.59	-429.42	776.29	1134.88	-1373.35
41	91	233	18.65	1.33	-1.63	-0.52	0.22	1.43	2360.28	-712.87	901.94	745.48	-1534.58
		160	13.43	-0.61	-10.28	-1.09	-9.80	2.10	1619.67	-585.81	162.14	871.73	-1044.11
		159	11.87	-1.24	-10.08	-1.33	-9.99	-0.91	1670.42	-159.83	255.42	1255.18	-766.53
		222	12.59	1.46	-2.38	0.26	-1.18	-1.78	1766.77	-202.10	592.86	971.81	-966.03
42	4	162	18.01	0.33	-3.82	-3.77	0.27	-0.48	2562.47	-233.30	2309.20	19.98	-802.47
		161	15.87	4.23	-0.12	4.05	0.06	-0.86	1979.85	-632.83	1656.40	-309.39	-860.49
		233	24.75	2.60	-4.20	-1.34	-0.27	-3.36	3292.81	-691.22	1569.10	1032.49	-1973.87
		228	17.94	3.92	-7.62	-2.69	-1.01	-5.71	2577.68	-156.42	1860.29	560.97	-1202.82
42	34	162	13.01	0.23	-2.59	-2.55	0.19	-0.33	1852.34	-168.14	1672.27	11.93	-575.68

		161	11.42	2.84	-0.09	2.73	0.02	-0.57	1426.79	-453.78	1192.39	-219.39	-621.17
		233	17.80	1.75	-2.84	-0.91	-0.18	-2.27	2371.43	-493.08	1129.89	748.46	-1419.50
		228	12.90	2.64	-5.17	-1.83	-0.69	-3.87	1859.49	-103.87	1347.68	407.94	-861.93
42	47	162	10.52	0.19	-0.57	-0.54	0.16	-0.13	1512.03	-121.61	1376.81	13.60	-450.12
		161	9.12	2.04	-0.18	2.00	-0.14	-0.28	1140.61	-361.43	964.59	-185.41	-483.13
		233	14.08	0.96	-1.28	-0.42	0.10	-1.09	1892.71	-372.01	916.40	604.30	-1121.56
		228	10.14	1.26	-2.15	-0.57	-0.33	-1.70	1486.97	-47.60	1107.98	331.39	-661.78
42	54	162	9.71	0.16	-0.61	-0.59	0.14	-0.12	1392.20	-115.77	1270.09	6.34	-411.37
		161	8.33	1.44	-0.16	1.42	-0.13	-0.19	1045.35	-328.52	877.57	-160.74	-449.84
		233	12.90	0.72	-1.06	-0.37	0.03	-0.86	1737.69	-338.33	835.38	563.97	-1029.10
		228	9.30	0.97	-1.83	-0.57	-0.29	-1.40	1369.75	-36.01	1023.15	310.60	-605.90
42	64	162	14.93	7.91	0.90	7.52	1.28	-1.60	2207.17	9.46	1927.53	289.10	-732.38
		161	18.81	12.45	-0.14	9.88	2.43	-5.08	2114.34	-1009.48	1496.66	-391.80	-1244.19
		233	23.32	6.31	-3.99	1.40	0.92	-5.15	3001.42	-777.24	1755.92	468.26	-1776.25
		228	15.92	1.44	-3.57	-1.28	-0.85	-2.50	2395.11	36.10	1952.48	478.73	-921.01
42	96	162	12.03	3.31	0.43	3.08	0.66	-0.78	1760.80	-56.05	1574.75	130.00	-550.83
		161	12.93	6.34	-0.06	5.25	1.03	-2.41	1520.93	-622.07	1164.40	-265.54	-798.08
		233	17.42	3.26	-2.35	0.47	0.44	-2.81	2294.15	-515.27	1258.38	520.50	-1355.39
		228	12.26	1.17	-2.61	-0.90	-0.54	-1.89	1833.00	5.05	1450.69	387.36	-743.43
43	4	191	12.66	1.75	-8.67	0.51	-7.43	-3.37	2056.42	392.63	746.84	1702.21	-681.07
		158	14.64	1.52e-03	-11.75	-1.06e-03	-11.75	-0.17	2079.42	-115.55	-65.21	2029.09	-328.55
		157	12.32	-0.10	-14.95	-0.10	-14.95	0.05	1743.01	-60.24	-58.46	1741.23	-56.63
		192	8.84	1.24	-9.52	0.95	-9.23	-1.74	1481.30	643.88	656.24	1468.94	-100.99
43	34	191	9.10	1.18	-5.87	0.35	-5.04	-2.28	1480.47	289.27	538.44	1231.31	-484.48
		158	10.55	7.79e-04	-7.95	-9.56e-04	-7.95	-0.12	1501.56	-82.37	-47.08	1466.27	-233.77
		157	8.88	-0.07	-10.10	-0.07	-10.10	0.04	1259.02	-43.18	-42.05	1257.89	-38.32
		192	6.38	0.83	-6.44	0.64	-6.24	-1.16	1070.04	464.41	472.00	1062.44	-67.38
43	47	191	7.24	0.35	-2.47	0.13	-2.24	-0.76	1182.48	240.57	429.08	993.96	-376.87
		158	8.37	-0.02	-3.50	-0.02	-3.50	-0.03	1205.30	-64.68	-37.52	1178.14	-183.74
		157	7.00	-0.02	-4.19	-0.02	-4.19	0.01	1011.72	-33.68	-32.78	1010.82	-30.66
		192	5.09	0.28	-2.69	0.24	-2.65	-0.34	865.03	363.01	368.18	859.86	-50.67
43	54	191	6.62	0.31	-2.05	0.12	-1.86	-0.65	1085.06	231.38	394.69	921.75	-335.78
		158	7.72	-0.01	-2.85	-0.02	-2.85	-0.03	1114.09	-57.94	-34.74	1090.90	-163.24
		157	6.46	-0.02	-3.45	-0.02	-3.45	0.01	935.99	-30.76	-30.21	935.45	-22.90
		192	4.70	0.24	-2.22	0.21	-2.19	-0.29	799.62	335.71	338.50	796.83	-35.85
43	60	191	9.47	-0.12	-5.55	-0.17	-5.50	0.52	1516.15	276.66	527.57	1265.24	-498.04
		158	11.60	-0.70	-10.23	-0.85	-10.08	1.18	1719.67	60.23	130.18	1649.73	-333.43
		157	9.88	-0.97	-10.72	-1.01	-10.68	-0.59	1504.70	159.36	172.58	1491.48	-132.74
		192	6.88	-0.37	-5.86	-0.54	-5.69	-0.95	1158.27	466.09	494.26	1130.09	-136.79
43	92	191	7.88	-0.02	-3.42	-0.02	-3.41	-0.12	1276.12	251.79	452.90	1075.01	-406.89
		158	9.42	-0.33	-6.00	-0.38	-5.96	0.51	1382.30	-4.57	37.49	1340.24	-237.83
		157	7.95	-0.45	-6.57	-0.46	-6.56	-0.24	1187.93	55.74	60.17	1183.50	-70.70
		192	5.66	-0.06	-3.77	-0.15	-3.68	-0.56	957.05	396.34	407.93	945.47	-79.76
44	4	222	17.95	1.51	-6.94	-0.35	-5.08	-3.50	2635.93	-80.94	927.25	1627.74	-1312.51
		159	16.01	0.25	-7.52	0.25	-7.52	-0.03	2208.40	-294.59	-74.91	1988.72	-708.23
		158	14.84	-0.10	-11.48	-0.10	-11.48	0.10	2105.76	-126.23	-44.79	2024.33	-418.48
		191	12.42	1.81	-8.66	0.70	-7.55	-3.22	2021.66	404.78	751.67	1674.77	-663.73
44	34	222	12.88	1.02	-4.70	-0.23	-3.45	-2.37	1897.49	-49.77	668.78	1178.95	-939.62
		159	11.54	0.17	-5.09	0.17	-5.09	-0.02	1594.21	-210.48	-54.74	1438.46	-506.77
		158	10.69	-0.06	-7.76	-0.06	-7.76	0.07	1520.43	-89.47	-32.04	1463.00	-298.58
		191	8.92	1.22	-5.86	0.47	-5.12	-2.17	1455.36	297.74	541.56	1211.54	-472.02
44	47	222	10.16	0.17	-1.93	-0.16	-1.61	-0.76	1511.16	-21.12	539.09	950.94	-737.95
		159	9.19	0.06	-2.61	0.06	-2.61	0.04	1276.98	-166.09	-44.84	1155.72	-400.35
		158	8.48	-0.03	-3.43	-0.03	-3.43	0.03	1220.03	-69.38	-25.19	1175.83	-234.59
		191	7.11	0.37	-2.47	0.16	-2.26	-0.74	1163.05	246.37	430.90	978.52	-367.57
44	54	222	9.28	0.18	-1.63	-0.12	-1.33	-0.67	1386.55	-6.72	494.70	885.13	-668.72
		159	8.47	0.04	-2.07	0.04	-2.07	0.03	1179.54	-149.59	-42.78	1072.73	-361.31
		158	7.82	-0.02	-2.80	-0.02	-2.80	0.02	1127.55	-61.17	-22.67	1089.05	-210.45
		191	6.49	0.32	-2.05	0.14	-1.87	-0.63	1066.83	236.33	395.72	907.45	-327.05
44	55	222	15.48	-0.05	-8.11	-0.31	-7.86	1.42	2170.80	-244.20	956.53	970.08	-1207.48
		159	14.94	-1.63	-17.67	-1.94	-17.36	2.19	2085.78	-176.90	491.37	1417.50	-1032.23
		158	12.71	-1.36	-18.32	-1.54	-18.14	-1.72	1746.40	-196.82	156.03	1393.54	-749.11
		191	10.17	0.90	-9.31	0.12	-8.53	-2.72	1512.89	-23.02	514.16	975.71	-732.46
44	87	222	11.91	-0.18	-4.25	-0.20	-4.23	0.26	1723.82	-102.31	698.89	922.62	-906.18
		159	10.98	-0.71	-8.93	-0.83	-8.81	0.99	1544.31	-125.91	193.55	1224.86	-656.89
		158	9.74	-0.63	-9.62	-0.69	-9.56	-0.76	1375.17	-95.71	55.94	1223.52	-447.28
		191	7.99	0.59	-5.29	0.13	-4.83	-1.57	1254.08	131.17	447.83	937.43	-505.27
45	18	216	14.22	0.50	-9.36	-0.07	-8.78	2.31	1549.41	-840.74	983.39	-274.71	1016.12
		155	10.01	-1.17	-18.12	-1.18	-18.11	-0.45	816.48	-859.63	-536.89	493.74	660.90
		109	30.38	2.22	-14.55	2.12	-14.45	1.29	1555.88	-3498.43	1242.54	-3185.09	1218.82
		225	14.76	1.90	-8.70	1.47	-8.28	2.08	1552.45	-935.89	1546.76	-930.20	-118.83
45	41	216	10.11	0.35	-6.32	-0.04	-5.92	1.58	1097.05	-604.15	687.27	-194.38	727.45
		155	7.18	-0.77	-12.18	-0.78	-12.18	-0.31	611.21	-594.68	-348.97	365.49	485.72
		109	21.33	1.49	-9.76	1.42	-9.69	0.89	1030.32	-2505.30	814.04	-2289.02	847.29
		225	10.63	1.28	-5.86	0.99	-5.58	1.40	1120.04	-672.58	1117.50	-670.04	-67.38
45	47	216	7.13	0.54	-2.32	0.22	-2.00	0.90	772.68	-434.23	423.19	-84.74	547.41
		155	5.31	0.05	-3.76	0.01	-3.72	-0.39	589.26	-301.29	-43.57	331.55	403.85

		109	13.23	0.83	-2.71	0.60	-2.48	0.88	317.71	-1790.21	151.16	-1623.65	568.64
		225	9.17	0.50	-2.14	0.48	-2.12	0.21	910.59	-657.62	910.32	-657.35	20.58
45	54	216	6.52	0.43	-1.92	0.17	-1.66	0.74	697.21	-409.49	375.12	-87.40	502.71
		155	5.05	0.04	-3.10	0.01	-3.07	-0.30	573.38	-272.37	-16.09	317.11	388.67
		109	12.02	0.63	-2.23	0.45	-2.06	0.69	221.11	-1669.85	86.79	-1535.54	485.74
		225	8.32	0.40	-1.73	0.38	-1.71	0.21	844.00	-579.41	843.02	-578.43	37.37
45	56	216	9.43	1.17	-4.65	1.09	-4.58	-0.65	987.32	-626.75	562.48	-201.91	710.79
		155	23.66	5.10	0.79	0.95	4.94	0.82	1093.63	-2871.00	-216.48	-1560.89	1864.86
		109	43.16	7.21	2.87	4.37	5.70	2.07	3618.06	-3853.88	3262.61	-3498.43	1590.45
		225	28.53	5.55	3.69	4.19	5.05	0.82	4160.16	-219.23	4055.54	-114.61	-668.74
45	96	216	7.93	0.77	-4.25	0.45	-3.93	1.23	862.21	-473.13	505.81	-116.74	590.67
		155	12.09	0.39	-5.91	0.38	-5.90	0.28	404.90	-1558.23	-149.57	-1003.76	883.77
		109	25.65	1.96	-5.07	1.75	-4.85	1.20	1293.20	-3001.61	1115.73	-2824.13	854.82
		225	15.38	1.74	-4.04	1.66	-3.96	-0.68	1996.34	-496.64	1924.61	-424.91	-416.75
46	4	193	7.37	1.80	-9.72	1.80	-9.72	-0.03	1219.24	383.89	671.32	931.81	396.85
		156	9.65	-0.51	-16.20	-0.51	-16.20	0.28	1297.66	-143.51	-72.05	1226.20	312.86
		155	6.45	0.34	-13.75	0.34	-13.75	-0.02	554.17	-555.18	-38.07	37.05	553.40
		216	11.08	0.57	-10.72	-0.23	-9.92	2.89	1373.15	-426.24	881.56	65.35	801.80
46	34	193	5.33	1.22	-6.57	1.22	-6.57	-4.80e-03	882.01	272.21	479.42	674.80	288.83
		156	6.95	-0.34	-10.94	-0.35	-10.93	0.19	939.12	-101.12	-48.67	886.67	227.61
		155	4.60	0.23	-9.26	0.23	-9.26	-4.23e-03	393.95	-398.02	-33.53	29.46	394.73
		216	7.98	0.39	-7.24	-0.15	-6.69	1.97	990.55	-306.51	630.47	53.57	580.86
46	47	193	4.15	0.57	-2.65	0.56	-2.64	0.18	693.33	214.05	354.99	552.39	218.37
		156	5.41	-0.26	-4.38	-0.26	-4.38	0.03	759.43	-61.30	-20.41	718.54	178.56
		155	3.29	0.33	-3.39	0.33	-3.38	0.14	280.09	-287.71	-59.24	51.61	278.44
		216	6.02	0.30	-3.02	8.31e-03	-2.73	0.93	763.54	-218.38	465.82	79.34	451.33
46	54	193	3.89	0.46	-2.20	0.46	-2.19	0.15	648.38	187.95	323.99	512.34	210.07
		156	5.01	-0.20	-3.61	-0.20	-3.61	0.03	705.56	-56.43	-16.45	665.58	169.90
		155	3.04	0.24	-2.81	0.24	-2.81	0.10	255.41	-268.93	-59.50	45.98	256.81
		216	5.62	0.25	-2.47	0.01	-2.23	0.77	712.47	-206.62	428.04	77.80	424.87
46	76	193	6.45	3.48	-0.92	-0.77	3.32	-0.81	631.81	-466.99	268.29	-103.47	517.00
		156	7.16	4.20	-0.78	-0.66	4.08	-0.74	928.60	-243.40	167.20	518.00	559.14
		155	10.28	5.60	0.89	1.46	5.03	1.53	974.83	-790.15	272.01	-87.32	864.01
		216	12.84	3.43	-0.34	-0.34	3.42	0.15	1192.67	-1021.83	652.46	-481.62	951.04
46	108	193	4.41	0.48	-0.26	-0.12	0.33	-0.29	619.20	-73.38	299.41	246.41	345.28
		156	5.47	0.16	-0.58	-0.41	-0.01	-0.31	765.30	-97.98	67.06	600.27	339.46
		155	6.10	1.60	0.08	0.82	0.86	0.76	559.73	-488.83	84.50	-13.60	521.98
		216	8.66	0.67	-0.46	-0.15	0.36	0.50	921.85	-560.52	525.15	-163.81	656.27
47	4	211	11.81	-0.73	-7.07	-1.06	-6.74	1.41	1320.38	-690.28	815.97	-185.88	-871.64
		154	7.05	-0.61	-9.86	-0.71	-9.76	0.96	410.56	-783.41	-51.74	-321.11	-581.59
		153	6.79	0.16	-7.14	0.14	-7.12	-0.37	849.66	-244.98	-53.81	658.50	-415.59
		194	7.54	1.54	-6.07	0.42	-4.96	2.69	1041.72	-119.53	490.00	432.19	-579.90
47	34	211	8.40	-0.48	-4.77	-0.72	-4.53	0.97	942.14	-486.03	582.77	-126.65	-619.76
		154	4.96	-0.43	-6.66	-0.50	-6.59	0.66	284.93	-554.48	-43.07	-226.47	-409.57
		153	4.86	0.12	-4.78	0.11	-4.77	-0.25	612.67	-170.60	-35.70	477.78	-295.74
		194	5.33	1.05	-4.10	0.28	-3.33	1.84	741.09	-77.75	348.65	314.69	-409.07
47	47	211	6.26	-0.18	-1.95	-0.32	-1.81	0.49	703.69	-360.88	429.91	-87.10	-465.30
		154	3.42	-0.25	-2.73	-0.29	-2.69	0.32	154.51	-416.03	-69.05	-192.47	-278.51
		153	3.63	0.14	-1.74	0.13	-1.74	-0.10	470.44	-117.35	-9.47	362.55	-227.54
		194	3.87	0.53	-1.74	0.09	-1.30	0.90	539.71	-61.42	241.85	236.45	-300.55
47	54	211	5.67	-0.11	-1.58	-0.26	-1.43	0.44	644.50	-316.79	394.00	-66.30	-421.96
		154	3.05	-0.23	-2.22	-0.27	-2.18	0.28	139.94	-369.64	-67.37	-162.34	-250.33
		153	3.37	0.13	-1.33	0.13	-1.32	-0.09	442.91	-101.08	-6.99	348.83	-205.74
		194	3.50	0.47	-1.42	0.06	-1.01	0.78	495.57	-41.18	222.90	231.49	-268.34
47	59	211	12.63	0.08	-9.46	0.08	-9.46	0.14	1184.74	-980.41	593.44	-389.11	-964.68
		154	9.54	0.28	-14.63	0.28	-14.63	-0.17	1003.35	-630.88	252.73	119.75	-814.41
		153	7.35	-0.63	-13.56	-0.65	-13.54	-0.52	970.89	-179.09	171.29	620.51	-529.30
		194	6.16	0.05	-8.83	0.04	-8.82	0.31	620.85	-426.51	311.47	-117.13	-477.82
47	91	211	8.73	-0.10	-5.04	-0.12	-5.02	0.32	885.46	-610.95	482.29	-207.78	-663.90
		154	5.85	-0.04	-7.75	-0.04	-7.75	0.09	522.63	-486.66	74.41	-38.44	-501.48
		153	5.10	-0.21	-6.80	-0.22	-6.79	-0.28	672.16	-132.81	71.22	468.13	-350.16
		194	4.46	0.12	-4.57	0.05	-4.50	0.58	541.64	-201.09	261.73	78.81	-359.92
48	11	300	6.66	0.42	-1.72	-1.61	0.31	0.47	843.92	-244.09	833.10	-233.27	-107.94
		257	7.47	0.22	-1.24	-1.11	0.08	0.43	901.24	-345.05	838.57	-282.38	-272.35
		254	5.84	0.24	-1.36	-1.33	0.21	-0.23	747.88	-208.35	650.75	-111.22	-288.86
		303	5.35	0.18	-1.53	-1.47	0.12	-0.31	721.44	-132.97	705.84	-117.37	-114.39
48	37	300	4.81	0.28	-1.16	-1.09	0.21	0.30	609.57	-178.02	601.58	-170.02	-78.95
		257	5.39	0.15	-0.84	-0.75	0.07	0.28	646.29	-253.75	600.68	-208.13	-197.41
		254	4.21	0.17	-0.92	-0.90	0.15	-0.16	537.25	-153.09	466.41	-82.25	-209.49
		303	3.87	0.13	-1.03	-0.99	0.09	-0.21	520.79	-98.97	509.25	-87.44	-83.77
48	52	300	3.52	0.16	-0.51	-0.51	0.15	0.06	444.55	-134.32	438.58	-128.35	-58.49
		257	3.76	0.13	-0.39	-0.37	0.12	0.09	439.48	-194.03	407.30	-161.85	-139.11
		254	2.93	0.14	-0.37	-0.36	0.12	-0.08	368.55	-115.30	319.75	-66.50	-145.71
		303	2.85	0.12	-0.45	-0.41	0.09	-0.13	379.72	-81.20	372.20	-73.68	-58.41
48	54	300	3.38	0.08	-0.24	-0.24	0.08	0.02	426.89	-131.31	421.18	-125.61	-56.15
		257	3.53	0.10	-0.23	-0.22	0.08	0.06	401.43	-196.23	371.20	-166.01	-130.96
		254	2.74	0.07	-0.12	-0.12	0.07	0.02	339.97	-115.32	293.47	-68.82	-137.87

		303	2.76	0.06	-0.17	-0.17	0.06	-4.15e-03	363.48	-84.51	356.45	-77.48	-55.69
48	55	300	6.56	-0.83	-1.23	-1.02	-1.04	-0.20	882.60	-176.76	877.40	-171.56	-74.04
		257	6.83	-1.04	-1.63	-1.09	-1.59	-0.15	832.06	-311.49	812.15	-291.58	-149.56
		254	6.00	-1.29	-1.75	-1.36	-1.68	-0.16	755.14	-239.19	712.85	-196.90	-200.66
		303	5.91	-1.04	-1.43	-1.32	-1.15	-0.17	804.47	-140.50	791.19	-127.22	-111.25
48	99	300	4.53	0.55	-0.81	-0.72	0.46	-0.34	617.32	-104.20	612.14	-99.02	-60.89
		257	4.99	0.67	-0.79	-0.73	0.61	-0.29	581.71	-256.51	553.62	-228.42	-150.85
		254	4.19	0.66	-0.85	-0.80	0.61	-0.29	515.62	-177.60	470.25	-132.23	-171.45
		303	3.93	0.53	-0.89	-0.81	0.45	-0.32	553.04	-59.01	540.76	-46.73	-85.83
49	18	201	4.90	0.07	-3.19	-3.19	0.07	-8.51e-03	715.69	-21.16	506.33	188.19	-332.32
		200	3.99	-0.21	-3.55	-3.55	-0.22	-0.14	595.06	21.21	519.23	97.04	-194.33
		141	4.10	-8.37e-03	-3.86	-3.75	-0.12	-0.64	586.28	-27.12	560.90	-1.73	-122.17
		140	4.76	-0.06	-3.05	-2.99	-0.12	-0.41	668.91	-62.72	617.75	-11.56	-186.58
49	41	201	3.42	0.04	-2.12	-2.12	0.04	-0.01	502.82	-6.46	367.89	128.47	-224.75
		200	2.83	-0.14	-2.36	-2.35	-0.15	-0.10	423.78	15.85	374.80	64.83	-132.60
		141	2.92	-3.44e-03	-2.54	-2.46	-0.08	-0.43	418.08	-17.41	401.56	-0.90	-83.18
		140	3.37	-0.04	-1.98	-1.94	-0.08	-0.27	476.49	-40.88	443.27	-7.66	-126.81
49	52	201	2.20	0.02	-0.35	-0.33	7.85e-03	-0.07	346.55	40.54	321.76	65.33	-83.51
		200	1.99	-5.80e-03	-0.42	-0.40	-0.02	-0.08	304.88	15.67	296.45	24.10	-48.67
		141	2.04	0.02	-0.31	-0.28	-0.01	-0.09	303.81	-1.61	300.82	1.37	-30.05
		140	2.45	0.03	-0.12	-0.08	-0.01	-0.07	362.74	-9.60	355.76	-2.62	-50.50
49	54	201	2.08	0.08	-0.04	0.04	-2.94e-03	-0.05	330.52	42.42	320.91	52.03	-51.71
		200	1.90	0.08	-0.03	0.04	6.58e-03	-0.05	290.89	11.65	287.60	14.94	-30.15
		141	1.92	0.22	5.72e-03	0.22	5.86e-03	-5.42e-03	287.56	0.81	286.39	1.97	-18.25
		140	2.35	0.31	3.60e-03	0.31	4.50e-03	-0.02	348.85	-4.68	345.62	-1.46	-33.62
49	85	201	4.16	-0.15	-1.50	-1.41	-0.24	0.34	632.10	32.40	582.97	81.53	-164.46
		200	3.86	-0.05	-1.50	-1.41	-0.13	0.34	576.67	9.10	548.43	37.34	-123.41
		141	4.19	-0.03	-1.43	-1.32	-0.14	0.39	626.44	11.50	604.20	33.74	-114.81
		140	4.69	-0.13	-1.34	-1.22	-0.25	0.37	699.45	3.76	665.61	37.61	-149.67
49	117	201	3.03	-0.09	-0.68	-0.66	-0.11	0.12	469.02	38.17	441.18	66.01	-105.91
		200	2.79	-0.03	-0.68	-0.66	-0.06	0.12	421.33	11.55	407.12	25.77	-74.98
		141	2.96	-9.81e-03	-0.57	-0.52	-0.06	0.17	444.32	7.55	434.55	17.32	-64.59
		140	3.42	-0.05	-0.49	-0.43	-0.11	0.15	511.04	0.97	494.89	17.13	-89.33
50	19	180	15.95	7.40	3.99	7.08	4.32	1.01	2647.40	753.39	2644.64	756.16	72.32
		217	18.57	4.69	-5.93	2.28	-3.52	-4.45	1427.08	-1737.19	-1498.05	1187.94	836.37
		226	11.67	2.14	-14.77	-1.40	-11.24	6.88	875.94	-1070.75	-169.82	-24.99	-970.65
		105	58.61	14.90	-9.37	-6.25	11.78	-8.12	4055.11	-5977.78	-5702.54	3779.86	1638.82
50	38	180	10.93	3.95	0.48	3.95	0.48	-0.13	1842.47	635.94	1814.62	663.79	-181.18
		217	10.36	1.50	-4.49	0.67	-3.65	-2.07	756.41	-1003.68	-907.61	660.34	399.83
		226	9.22	0.14	-8.86	-1.30	-7.42	3.30	873.44	-688.80	204.17	-19.53	-773.07
		105	35.80	5.32	-5.69	-4.53	4.15	-3.38	1919.03	-4121.49	-3907.22	1704.76	1117.29
50	48	180	8.08	-1.18	-7.59	-2.12	-6.64	-2.27	970.25	-375.12	155.66	439.47	-657.55
		217	6.48	-0.43	-5.65	-2.41	-3.68	2.53	480.59	-622.98	254.03	-396.41	-445.75
		226	7.47	3.15	-4.08	-1.07	0.13	-3.56	1022.63	-154.89	909.44	-41.71	-347.08
		105	15.31	1.65	-13.04	-1.08	-10.31	5.71	-314.60	-2384.08	-317.74	-2380.93	80.64
50	53	180	7.96	-1.18	-7.54	-2.11	-6.60	-2.26	957.15	-368.33	155.06	433.76	-647.92
		217	6.36	-0.42	-5.61	-2.39	-3.64	2.52	470.06	-612.70	247.31	-389.95	-437.68
		226	7.32	3.14	-4.05	-1.06	0.15	-3.55	1004.93	-146.94	892.63	-34.63	-341.68
		105	15.07	1.65	-12.96	-1.06	-10.25	5.68	-313.13	-2347.97	-316.67	-2344.43	84.80
50	70	180	33.62	-5.60	-23.58	-6.70	-22.48	-4.32	702.62	-4556.87	-146.89	-3707.36	-1935.54
		217	18.79	-0.70	-8.89	-1.88	-7.71	2.88	1026.78	-2154.86	585.50	-1713.59	-1099.66
		226	22.53	4.52	0.61	2.48	2.65	1.95	3508.17	295.88	3485.59	318.45	268.33
		105	48.52	2.34	-26.37	1.57	-25.60	4.63	2108.25	-5866.88	2043.84	-5802.47	-713.83
50	102	180	17.11	-3.34	-15.03	-4.30	-14.07	-3.21	672.15	-2104.27	-8.92	-1423.21	-1194.60
		217	11.85	-0.74	-7.12	-2.26	-5.60	2.71	749.99	-1274.99	423.51	-948.51	-744.67
		226	13.17	2.20	-0.35	0.50	1.35	-1.20	2031.98	119.52	2030.41	121.09	-54.73
		105	29.32	1.62	-19.12	0.09	-17.59	5.42	791.07	-3867.12	769.76	-3845.81	-314.33
51	9	197	5.31	1.12	-1.10	-0.09	0.11	1.10	765.86	-41.69	409.37	314.80	401.00
		150	4.71	-0.24	-0.56	-0.54	-0.26	0.07	582.12	-202.48	-91.47	471.10	273.45
		149	6.03	1.18	0.51	0.65	1.04	0.27	394.65	-639.19	65.35	-309.89	481.67
		218	8.47	0.37	-0.34	-0.15	0.18	0.32	883.21	-570.90	588.04	-275.73	584.88
51	35	197	3.79	0.75	-0.73	-0.08	0.09	0.74	548.04	-27.71	290.53	229.80	286.27
		150	3.41	-0.11	-0.36	-0.34	-0.13	0.05	426.13	-141.08	-59.82	344.87	198.71
		149	4.23	0.79	0.33	0.41	0.72	0.17	266.20	-458.16	34.01	-225.97	338.05
		218	6.10	0.27	-0.21	-0.10	0.15	0.20	636.41	-411.03	420.89	-195.51	423.43
51	51	197	2.27	0.37	-0.33	-0.11	0.16	0.32	347.70	21.72	185.24	184.18	162.99
		150	2.43	0.25	-0.05	-0.05	0.25	0.03	325.28	-65.93	-15.00	274.35	131.65
		149	2.30	0.52	0.05	0.06	0.51	0.04	102.75	-281.90	-32.55	-146.61	183.68
		218	3.97	0.29	-0.03	-0.03	0.28	0.05	425.75	-254.17	278.11	-106.53	280.33
51	53	197	1.94	0.19	-0.18	-0.15	0.16	0.11	302.73	26.19	154.22	174.71	137.89
		150	2.28	0.41	0.12	0.12	0.41	0.02	317.66	-42.94	8.48	266.24	126.09
		149	1.79	0.36	-0.17	-0.17	0.36	-0.04	26.97	-252.49	-77.60	-147.91	135.24
		218	3.65	0.34	-2.79e-03	7.61e-04	0.34	-0.03	389.89	-234.73	246.14	-90.98	262.92
51	64	197	4.94	-0.04	-2.53	-0.40	-2.17	0.87	386.83	-455.47	255.92	-324.55	305.17
		150	5.53	0.09	-2.01	-0.39	-1.54	0.87	808.85	-36.39	231.83	540.63	393.41
		149	7.11	0.90	-1.83	0.46	-1.39	1.00	740.79	-470.15	156.43	114.20	605.10
		218	10.19	0.83	-2.22	0.53	-1.92	0.90	774.69	-971.62	376.24	-573.18	732.84

51	96	197	2.80	7.14e-03	-1.24	-0.25	-0.99	0.51	325.02	-143.40	204.85	-23.24	204.57
		150	3.71	0.12	-0.83	-0.11	-0.60	0.41	541.90	-26.05	106.00	409.86	239.91
		149	3.92	0.37	-0.72	0.14	-0.48	0.45	343.95	-330.97	22.30	-9.33	337.09
		218	6.38	0.41	-0.93	0.24	-0.76	0.44	559.03	-538.74	303.96	-283.66	463.63
52	21	179	6.41	0.61	-3.71	0.51	-3.60	0.67	1019.49	163.57	245.90	937.16	252.37
		186	9.73	1.68	-6.15	0.04	-4.51	-3.19	1149.66	-442.50	-132.85	840.01	630.18
		217	9.87	2.72	-5.71	1.50	-4.50	-2.96	1264.56	-310.66	-229.24	1183.13	348.75
		180	12.73	1.97	-0.49	0.16	1.32	-1.09	1484.66	-668.34	-486.87	1303.19	598.15
52	40	179	5.24	0.82	-4.03	0.81	-4.02	0.22	830.44	153.55	163.79	820.19	82.66
		186	6.12	0.43	-5.32	-0.21	-4.68	-1.81	820.32	-126.26	-8.41	702.47	312.52
		217	5.56	1.21	-4.81	0.53	-4.13	-1.90	806.90	-8.36	-5.74	804.28	46.18
		180	8.02	-0.78	-1.61	-0.79	-1.60	-0.10	924.01	-429.03	-358.57	853.55	300.62
52	48	179	4.76	1.42	-4.51	1.35	-4.44	-0.63	645.97	-92.50	0.37	553.10	-244.86
		186	4.34	-0.48	-4.86	-0.68	-4.66	0.91	632.56	-2.65	228.16	401.75	-305.52
		217	6.69	-1.29	-3.19	-1.32	-3.16	0.24	786.73	-340.68	418.88	27.17	-528.58
		180	3.35	-1.92	-7.52	-2.55	-6.89	1.77	196.40	-360.76	-99.11	-65.25	-278.07
52	53	179	4.68	1.41	-4.47	1.34	-4.40	-0.63	634.81	-91.20	0.59	543.02	-241.28
		186	4.28	-0.48	-4.82	-0.67	-4.62	0.91	622.72	-4.84	223.43	394.45	-301.90
		217	6.58	-1.28	-3.16	-1.31	-3.13	0.24	773.69	-335.03	410.54	28.11	-520.34
		180	3.29	-1.91	-7.47	-2.54	-6.85	1.76	192.72	-354.54	-97.73	-64.10	-273.11
52	70	179	14.12	0.24	-13.65	0.15	-13.56	-1.12	1691.51	-661.94	192.12	837.45	-1131.62
		186	13.57	-0.48	-9.61	-0.51	-9.57	0.57	1067.02	-1266.63	336.68	-536.29	-1082.11
		217	21.38	0.61	-9.49	-0.67	-8.20	3.37	1828.45	-1862.22	819.69	-853.47	-1644.81
		180	18.01	0.63	-18.22	-1.33	-16.26	5.75	1866.76	-1166.28	468.29	232.20	-1511.92
52	102	179	8.73	0.86	-8.88	0.78	-8.80	-0.86	1107.69	-311.33	81.05	715.32	-634.69
		186	7.66	-0.52	-7.16	-0.60	-7.08	0.70	799.49	-513.98	284.89	0.62	-641.17
		217	13.05	-0.57	-6.13	-1.10	-5.60	1.64	1252.44	-996.89	603.86	-348.31	-1018.93
		180	9.86	-0.75	-12.57	-2.01	-11.31	3.64	965.65	-694.84	160.75	110.06	-829.86
53	18	214	4.67	0.60	-0.57	-0.50	0.54	0.26	586.73	-184.22	272.73	129.77	-378.79
		146	2.80	0.59	-0.63	-0.35	0.31	0.51	329.11	-140.57	-32.79	221.33	-197.50
		145	1.73	0.47	-0.68	-0.58	0.37	-0.33	216.17	-65.86	-19.83	170.13	-104.23
		232	2.79	0.58	-0.63	-0.30	0.25	-0.54	386.68	-52.45	229.08	105.15	-210.64
53	41	214	3.35	0.40	-0.37	-0.34	0.37	0.17	419.90	-133.88	194.50	91.52	-272.06
		146	2.00	0.40	-0.42	-0.23	0.22	0.34	234.61	-101.26	-23.95	157.30	-141.39
		145	1.24	0.32	-0.45	-0.39	0.25	-0.22	155.01	-47.40	-14.21	121.82	-74.95
		232	2.00	0.39	-0.42	-0.20	0.17	-0.36	276.54	-38.19	163.54	74.81	-150.99
53	52	214	2.17	0.12	-0.07	-0.07	0.12	-6.75e-03	267.41	-94.44	124.55	48.43	-176.87
		146	1.24	0.15	-0.07	-0.05	0.12	0.07	141.84	-68.69	-18.09	91.23	-89.96
		145	0.78	0.09	-0.09	-0.08	0.08	-0.04	97.99	-31.02	-8.93	75.91	-48.59
		232	1.27	0.14	-0.10	-0.03	0.06	-0.11	175.22	-25.93	105.54	43.75	-95.71
53	54	214	1.97	0.06	-0.03	-0.01	0.04	-0.04	240.47	-88.47	111.92	40.07	-160.50
		146	1.11	0.10	-2.81e-03	-2.62e-03	0.10	4.25e-03	124.75	-63.33	-17.40	78.82	-80.80
		145	0.70	0.05	-3.95e-04	-8.02e-05	0.05	3.81e-03	88.05	-28.21	-7.99	67.83	-44.07
		232	1.14	0.06	-0.02	8.69e-03	0.03	-0.04	157.31	-24.02	95.24	38.05	-86.04
53	59	214	4.11	-0.14	-1.08	-0.18	-1.04	0.20	488.79	-200.98	190.00	97.82	-341.79
		146	3.33	-0.22	-1.18	-0.25	-1.15	0.17	428.14	-114.59	80.70	232.86	-260.48
		145	2.52	-0.34	-1.23	-0.35	-1.23	-0.06	354.08	-39.02	93.80	221.26	-185.93
		232	2.84	-0.26	-1.09	-0.28	-1.07	-0.12	369.95	-96.11	177.30	96.54	-229.50
53	91	214	2.92	-0.08	-0.45	-0.09	-0.43	0.07	350.73	-138.45	146.64	65.63	-241.21
		146	2.08	-0.10	-0.47	-0.11	-0.46	0.08	258.49	-85.09	26.22	147.18	-160.79
		145	1.49	-0.15	-0.52	-0.16	-0.52	-0.02	204.65	-31.44	37.29	135.92	-107.25
		232	1.89	-0.10	-0.47	-0.12	-0.45	-0.07	251.58	-55.88	131.76	63.95	-149.94
54	18	232	3.05	0.44	-0.58	-0.39	0.25	0.40	411.80	-74.95	241.52	95.33	-232.14
		145	1.68	0.59	-0.75	-0.34	0.18	0.62	210.09	-65.48	-20.80	165.41	-101.57
		134	0.09	0.51	-0.78	-0.70	0.43	-0.30	1.22	-7.88	-4.26	-2.39	-4.45
		144	1.83	0.25	-1.14	-0.71	-0.18	-0.64	262.73	-20.47	244.91	-2.66	-68.76
54	41	232	2.19	0.29	-0.38	-0.26	0.17	0.26	294.66	-54.36	172.48	67.82	-166.48
		145	1.20	0.40	-0.50	-0.22	0.12	0.41	150.42	-47.05	-15.08	118.45	-72.74
		134	0.06	0.34	-0.52	-0.47	0.29	-0.20	0.95	-5.85	-3.03	-1.88	-3.35
		144	1.30	0.17	-0.76	-0.47	-0.12	-0.43	187.53	-14.61	174.76	-1.83	-49.18
54	52	232	1.38	0.05	-0.04	-0.04	0.05	0.02	186.65	-35.53	111.41	39.71	-105.15
		145	0.76	0.10	-0.10	-0.04	0.04	0.09	94.41	-31.08	-10.64	73.96	-46.34
		134	0.03	0.07	-0.11	-0.10	0.06	-0.03	0.58	-3.68	-1.71	-1.39	-2.13
		144	0.82	0.05	-0.15	-0.08	-0.02	-0.10	118.82	-7.98	111.16	-0.32	-30.20
54	54	232	1.24	0.05	-0.03	9.55e-03	0.02	-0.04	167.60	-32.43	100.62	34.55	-94.40
		145	0.68	0.03	-3.95e-04	2.00e-03	0.03	8.07e-03	84.52	-28.37	-9.98	66.13	-41.69
		134	0.02	8.55e-03	-0.01	-0.01	6.50e-03	6.62e-03	0.54	-3.35	-1.45	-1.36	-1.94
		144	0.73	0.02	-5.56e-03	0.01	3.60e-03	-0.01	106.56	-6.73	99.82	0.02	-26.82
54	59	232	2.46	-0.18	-0.34	-0.20	-0.32	0.05	313.68	-92.21	176.06	45.42	-192.14
		145	1.76	-0.21	-0.38	-0.24	-0.35	0.06	248.24	-27.27	78.68	142.29	-134.03
		134	1.01	-0.34	-0.38	-0.34	-0.38	-7.71e-03	158.71	18.65	100.41	76.94	-69.04
		144	1.68	-0.27	-0.35	-0.28	-0.34	0.03	233.63	-31.55	188.45	13.63	-99.70
54	99	232	1.78	0.13	-0.12	-0.12	0.13	-1.50e-03	231.80	-58.60	133.11	40.09	-137.55
		145	1.12	-0.11	-0.17	-0.14	-0.13	0.03	152.94	-25.73	28.15	99.06	-82.00
		134	0.45	-0.15	-0.21	-0.21	-0.15	-0.01	70.10	6.18	43.56	32.72	-31.50
		144	1.14	0.12	-0.16	-0.16	0.11	0.01	161.90	-15.94	139.18	6.78	-59.36
55	18	198	7.17	0.79	-0.55	-0.53	0.77	0.17	796.36	-424.09	377.27	-4.99	-579.52

		147	4.08	0.85	-0.33	-0.14	0.66	0.43	391.38	-309.75	-25.58	107.20	-344.22
		146	2.95	0.61	-0.69	-0.62	0.54	-0.30	338.14	-156.36	-40.31	222.08	-209.57
		214	4.63	0.86	-0.58	-0.24	0.52	-0.62	583.89	-176.55	276.36	130.98	-373.21
55	41	198	5.15	0.54	-0.37	-0.36	0.52	0.11	568.71	-307.92	267.88	-7.08	-416.20
		147	2.90	0.59	-0.22	-0.10	0.46	0.29	274.81	-223.70	-20.62	71.74	-244.94
		146	2.11	0.42	-0.46	-0.41	0.37	-0.20	242.26	-112.31	-28.13	158.09	-150.87
		214	3.31	0.59	-0.39	-0.16	0.36	-0.42	416.93	-128.35	196.40	92.18	-267.62
55	52	198	3.37	0.16	-0.09	-0.09	0.16	0.01	357.04	-220.48	164.00	-27.44	-272.43
		147	1.73	0.24	-0.06	-0.04	0.22	0.07	142.65	-155.76	-27.09	13.98	-147.78
		146	1.34	0.18	-0.07	-0.06	0.17	-0.04	153.23	-73.62	-13.58	93.19	-100.08
		214	2.11	0.18	-0.11	-0.05	0.12	-0.12	260.25	-91.10	121.49	47.66	-171.75
55	54	198	3.06	0.04	-0.02	-0.02	0.04	7.81e-03	318.59	-207.53	144.37	-33.31	-247.60
		147	1.51	0.14	-0.03	-0.03	0.14	0.01	115.24	-145.19	-30.06	0.11	-129.34
		146	1.21	0.12	0.02	0.02	0.12	-7.44e-04	137.74	-66.99	-10.42	81.18	-91.55
		214	1.90	0.06	-0.04	-0.02	0.05	-0.04	231.86	-85.52	107.40	38.94	-154.96
55	59	198	6.63	-0.03	-2.02	-0.15	-1.90	0.48	727.99	-401.14	336.04	-9.19	-537.53
		147	5.56	-0.24	-2.29	-0.25	-2.27	-0.16	626.56	-318.87	192.38	115.32	-471.14
		146	4.46	-0.36	-2.36	-0.37	-2.35	-0.13	510.37	-245.12	87.14	178.11	-375.00
		214	4.61	-0.28	-1.96	-0.30	-1.94	-0.17	509.57	-274.67	174.79	60.11	-387.90
55	91	198	4.64	-0.02	-0.86	-0.08	-0.81	0.21	499.94	-293.99	229.08	-23.13	-376.40
		147	3.27	-0.12	-0.93	-0.13	-0.92	-0.06	340.59	-221.73	68.19	50.67	-281.02
		146	2.62	-0.15	-0.97	-0.15	-0.97	-0.05	300.43	-143.98	32.78	123.67	-217.51
		214	3.10	-0.13	-0.83	-0.15	-0.82	-0.09	355.04	-169.87	137.32	47.85	-258.61
56	18	215	3.74	0.28	-1.35	-1.32	0.25	0.24	530.98	-43.86	452.38	34.74	-197.50
		232	2.82	0.03	-1.44	-1.32	-0.09	0.40	389.16	-49.18	259.08	80.91	-200.25
		144	1.95	0.15	-1.89	-1.79	0.04	-0.45	274.83	-20.07	259.01	-4.25	-66.45
		143	3.11	0.16	-1.64	-1.48	-2.28e-03	-0.51	452.94	-15.87	436.44	0.63	-86.39
56	41	215	2.67	0.19	-0.89	-0.87	0.17	0.15	379.25	-32.42	323.40	23.44	-140.97
		232	2.01	0.02	-0.96	-0.88	-0.06	0.27	278.42	-35.78	185.06	57.57	-143.58
		144	1.39	0.10	-1.26	-1.19	0.03	-0.30	196.29	-14.47	184.94	-3.11	-47.59
		143	2.22	0.11	-1.09	-0.98	-9.85e-04	-0.34	323.02	-11.04	311.32	0.66	-61.40
56	52	215	1.73	0.05	-0.15	-0.15	0.04	-0.02	246.86	-22.44	217.36	7.06	-84.12
		232	1.27	7.31e-03	-0.17	-0.16	2.25e-03	0.03	176.95	-22.11	119.39	33.45	-90.89
		144	0.87	0.02	-0.24	-0.23	0.01	-0.06	124.66	-8.18	118.22	-1.74	-28.53
		143	1.42	0.04	-0.17	-0.13	2.87e-03	-0.08	211.18	-4.05	205.38	1.75	-34.84
56	54	215	1.57	0.06	-0.03	0.02	0.01	-0.05	224.07	-21.20	199.39	3.49	-73.79
		232	1.14	0.03	-0.01	8.00e-03	0.01	-0.02	159.08	-22.27	107.78	29.04	-81.68
		144	0.77	0.01	6.98e-03	0.01	7.33e-03	1.37e-03	111.94	-7.05	106.39	-1.50	-25.09
		143	1.29	0.07	1.75e-03	0.07	4.42e-03	-0.01	191.72	-2.62	187.02	2.08	-29.85
56	67	215	3.45	0.24	-0.86	-0.84	0.21	-0.17	481.97	-61.58	408.01	12.38	-186.36
		232	2.96	0.33	-0.91	-0.87	0.29	-0.21	424.44	-32.29	323.23	68.92	-189.69
		144	2.53	-0.39	-1.15	-1.11	-0.43	-0.17	375.72	-1.96	333.08	40.68	-119.52
		143	3.08	0.19	-1.04	-1.03	0.18	-0.11	445.49	-22.17	406.59	16.73	-129.15
56	99	215	2.42	0.12	-0.39	-0.37	0.10	-0.10	340.86	-39.54	294.01	7.31	-125.01
		232	1.96	0.15	-0.41	-0.39	0.13	-0.10	279.17	-26.58	205.50	47.09	-130.76
		144	1.56	-0.17	-0.51	-0.49	-0.19	-0.07	231.05	-4.02	209.39	17.64	-67.99
		143	2.09	0.09	-0.43	-0.42	0.08	-0.06	305.73	-10.38	286.79	8.57	-75.04
57	18	177	8.41	0.27	-16.57	0.27	-16.56	0.33	1092.64	-184.35	-35.00	943.29	410.38
		188	10.45	1.56	-14.88	-0.39	-12.94	-5.31	1354.61	-251.35	265.43	837.83	750.25
		187	9.54	1.23	-11.49	-0.45	-9.81	-4.31	1308.78	-116.76	164.47	1027.55	567.29
		178	8.69	0.30	-11.20	0.30	-11.20	0.04	1193.19	-111.10	-21.67	1103.76	329.61
57	41	177	6.12	0.18	-11.56	0.18	-11.55	0.22	806.05	-116.90	-26.20	715.36	274.73
		188	7.26	1.01	-10.33	-0.27	-9.04	-3.59	966.80	-132.02	200.35	634.42	504.72
		187	6.53	0.76	-8.03	-0.32	-6.95	-2.88	921.03	-33.03	133.23	754.77	361.91
		178	6.26	0.20	-7.94	0.20	-7.94	0.03	866.93	-67.98	-17.36	816.31	211.58
57	47	177	6.16	0.05	-6.85	0.05	-6.85	-0.06	872.22	-33.56	-29.66	868.32	59.38
		188	4.83	-0.02	-5.33	-0.19	-5.16	-0.93	783.60	227.19	256.70	754.10	124.68
		187	4.61	-0.15	-4.82	-0.20	-4.77	-0.50	755.15	229.13	246.62	737.66	-94.30
		178	5.98	4.43e-03	-5.91	4.33e-03	-5.91	-0.03	851.77	-30.82	-28.80	849.75	-42.22
57	54	177	5.79	0.04	-6.23	0.04	-6.23	-0.05	822.57	-29.42	-27.61	820.76	39.22
		188	4.49	-0.04	-4.94	-0.17	-4.81	-0.79	731.49	219.23	235.24	715.48	89.12
		187	4.40	-0.15	-4.51	-0.19	-4.48	-0.38	719.00	204.73	231.96	691.77	-115.16
		178	5.63	7.78e-03	-5.47	7.72e-03	-5.47	-0.02	800.75	-31.18	-27.58	797.15	-54.62
57	57	177	10.95	-0.40	-14.23	-0.49	-14.14	-1.11	1646.40	157.38	158.26	1645.53	-36.02
		188	7.99	0.14	-10.80	-0.23	-10.44	-1.96	1287.76	370.18	370.72	1287.21	22.36
		187	8.34	-0.32	-10.12	-0.33	-10.11	0.28	1327.61	303.30	358.59	1272.32	-231.47
		178	11.10	-0.49	-13.41	-0.52	-13.38	0.63	1652.91	113.36	135.19	1631.09	-182.00
57	89	177	8.04	-0.16	-9.87	-0.19	-9.84	-0.56	1183.48	54.05	54.07	1183.45	5.00
		188	6.01	0.05	-7.63	-0.20	-7.39	-1.35	972.16	289.75	294.81	967.10	58.55
		187	6.14	-0.25	-7.06	-0.26	-7.06	-0.10	986.93	248.04	287.78	947.20	-166.68
		178	8.02	-0.23	-9.09	-0.23	-9.08	0.26	1174.72	33.32	44.20	1163.84	-110.94
58	16	218	15.25	2.11	-1.19	0.15	0.77	1.62	1726.07	-855.96	1257.84	-387.74	994.85
		149	10.59	1.44	-0.65	-0.11	0.90	-0.91	67.74	-1552.83	-1499.56	14.47	288.95
		110	40.05	2.60	0.53	1.37	1.76	1.02	3725.33	-3200.15	3236.64	-2711.46	1773.58
		227	11.97	1.30	0.38	0.56	1.12	-0.37	1128.61	-942.30	993.69	-807.38	-511.09
58	39	218	10.60	1.39	-0.78	0.09	0.52	1.06	1179.66	-620.24	851.18	-291.75	695.22
		149	7.12	0.96	-0.40	-0.07	0.63	-0.59	72.25	-1030.42	-978.87	20.70	232.78

		110	27.34	1.70	0.36	0.87	1.19	0.65	2436.76	-2296.25	2116.04	-1975.52	1189.60
		227	8.57	0.88	0.24	0.35	0.77	-0.24	807.95	-673.61	729.80	-595.46	-331.18
58	51	218	4.86	0.30	-0.14	-0.06	0.22	0.18	424.82	-417.10	260.06	-252.35	334.02
		149	3.43	0.50	0.07	0.07	0.50	5.98e-03	300.57	-292.12	-68.72	77.17	287.23
		110	10.65	0.53	-0.09	-0.09	0.53	3.81e-03	224.55	-1471.04	169.16	-1415.65	301.41
		227	6.22	0.35	-0.08	-0.07	0.34	-0.06	576.95	-497.38	576.70	-497.14	-16.28
58	53	218	3.71	0.14	-0.11	-0.10	0.13	-0.05	248.07	-388.37	117.35	-257.65	257.12
		149	3.78	0.52	0.04	0.11	0.45	0.16	445.99	-189.83	164.00	92.16	315.88
		110	8.14	0.38	-0.38	-0.34	0.34	-0.17	-320.69	-1347.09	-327.56	-1340.22	83.68
		227	6.16	0.24	-0.18	-0.18	0.24	-0.01	566.24	-498.14	562.13	-494.03	65.98
58	64	218	6.05	3.01	0.47	0.56	2.91	-0.47	506.48	-530.29	350.84	-374.66	370.31
		149	24.10	1.32	-1.94	1.20	-1.82	0.59	795.74	-3138.90	-90.71	-2252.45	1643.80
		110	36.21	2.53	0.32	1.35	1.49	1.10	2736.51	-3517.51	2579.50	-3360.49	978.43
		227	27.13	5.23	0.61	2.49	3.35	-2.27	3910.80	-278.94	3678.88	-47.01	-958.07
58	96	218	4.64	1.31	0.18	0.21	1.29	-0.18	367.27	-429.91	221.50	-284.14	308.15
		149	12.04	0.72	-0.75	0.64	-0.67	0.34	585.98	-1435.65	55.49	-905.16	889.40
		110	19.33	1.16	0.12	0.40	0.88	0.46	1029.89	-2241.95	948.66	-2160.72	509.07
		227	14.68	2.32	0.19	0.99	1.52	-1.03	1984.98	-379.45	1921.24	-315.71	-382.94
59	18	176	7.85	-0.16	-24.84	-0.16	-24.84	-0.05	844.13	-421.33	-51.77	474.57	575.40
		189	11.90	1.94	-20.17	-0.56	-17.66	-7.01	1362.57	-564.97	435.10	362.50	963.09
		188	10.41	1.38	-15.78	-0.85	-13.54	-5.77	1347.82	-244.30	251.75	851.77	737.36
		177	8.64	0.51	-17.38	0.51	-17.38	0.12	1113.09	-199.89	-33.53	946.73	436.75
59	41	176	5.65	-0.11	-17.15	-0.11	-17.15	-0.04	625.83	-276.08	-38.37	388.11	397.35
		189	8.29	1.28	-13.90	-0.39	-12.24	-4.75	977.20	-355.77	317.94	303.50	666.45
		188	7.22	0.88	-10.92	-0.58	-9.45	-3.89	961.38	-126.79	190.78	643.81	494.69
		177	6.28	0.34	-12.10	0.34	-12.10	0.08	821.00	-127.99	-24.92	717.93	295.28
59	47	176	5.41	0.13	-8.25	0.13	-8.25	-0.09	726.13	-87.86	-31.57	669.84	206.53
		189	5.22	0.08	-6.04	-0.15	-5.81	-1.17	797.25	82.59	325.55	554.29	338.53
		188	4.80	0.05	-5.32	-0.12	-5.15	-0.93	780.73	230.69	254.24	757.19	111.34
		177	6.22	-0.06	-6.90	-0.06	-6.90	-0.05	879.07	-40.06	-31.67	870.67	87.43
59	54	176	5.05	0.05	-7.45	0.05	-7.44	-0.09	683.13	-72.78	-31.82	642.16	171.13
		189	4.68	0.06	-5.60	-0.14	-5.40	-1.05	726.01	103.99	290.88	539.12	285.16
		188	4.48	-8.71e-03	-4.94	-0.14	-4.80	-0.80	729.52	220.70	232.36	717.85	76.14
		177	5.84	-8.70e-03	-6.27	-8.84e-03	-6.27	-0.03	828.23	-33.16	-28.05	823.12	66.14
59	58	176	10.86	-0.33	-9.90	-0.35	-9.88	-0.44	1622.02	84.61	132.36	1574.26	266.72
		189	8.50	-0.32	-7.61	-0.63	-7.30	-1.48	1351.15	265.94	415.85	1201.23	374.45
		188	8.53	-0.06	-6.77	-0.18	-6.65	0.90	1392.41	366.85	382.83	1376.43	127.01
		177	11.50	0.11	-8.87	-0.11	-8.65	1.40	1760.69	167.40	176.62	1751.46	120.89
59	90	176	7.59	-0.12	-8.54	-0.12	-8.53	-0.24	1096.30	-2.98	40.63	1052.68	214.58
		189	6.31	-0.11	-6.49	-0.36	-6.24	-1.24	994.53	182.33	345.98	830.88	325.78
		188	6.27	-0.16	-5.63	-0.16	-5.63	-0.03	1022.09	284.58	298.55	1008.12	100.55
		177	8.32	-4.95e-03	-7.38	-0.06	-7.33	0.61	1239.29	54.73	61.98	1232.04	92.41
60	16	220	10.14	0.53	-0.22	-0.22	0.53	0.03	957.42	-794.29	596.15	-433.03	-708.75
		148	8.37	2.86	1.47	1.78	2.54	-0.58	648.44	-795.09	224.08	-370.72	-657.65
		147	4.05	0.85	-1.58	-1.58	0.85	0.05	316.80	-379.41	-167.29	104.68	-320.44
		198	7.68	2.17	-0.45	0.33	1.38	-1.20	869.71	-425.67	443.13	0.91	-608.78
60	39	220	7.31	0.38	-0.15	-0.15	0.38	0.03	686.06	-576.87	424.15	-314.95	-512.04
		148	5.85	1.89	0.97	1.16	1.70	-0.37	432.19	-575.44	139.60	-282.85	-457.40
		147	2.91	0.59	-1.03	-1.03	0.59	0.03	232.10	-269.43	-110.29	72.95	-233.43
		198	5.46	1.44	-0.31	0.21	0.93	-0.80	612.98	-309.19	309.04	-5.25	-433.48
60	52	220	5.02	0.23	-0.11	-0.08	0.21	0.08	453.00	-415.50	265.81	-228.31	-357.12
		148	3.05	0.25	-0.07	-0.05	0.24	0.07	82.18	-410.16	-37.35	-290.63	-211.10
		147	2.02	0.28	-0.05	-0.04	0.27	-0.03	185.14	-164.15	-13.52	34.51	-172.99
		198	3.25	0.20	-0.11	-0.08	0.16	-0.10	336.15	-222.16	153.62	-39.63	-261.90
60	54	220	4.65	0.22	-0.08	-0.06	0.19	0.09	409.75	-393.49	234.50	-218.25	-331.74
		148	2.58	-3.28e-03	-0.43	-0.34	-0.09	0.17	-2.40	-386.81	-83.82	-305.39	-157.06
		147	1.91	0.25	0.16	0.20	0.21	-0.05	182.57	-147.07	10.62	24.88	-164.67
		198	2.83	0.02	-0.18	-0.15	-7.75e-03	0.06	278.40	-209.98	119.58	-51.17	-228.78
60	59	220	12.27	0.27	-2.70	0.26	-2.69	-0.18	943.43	-1168.84	417.91	-643.32	-913.17
		148	9.01	0.04	-4.36	0.03	-4.35	-0.23	788.74	-764.67	203.80	-179.72	-752.66
		147	6.42	-0.14	-3.95	-0.17	-3.92	-0.35	702.32	-393.61	163.44	145.28	-547.89
		198	8.12	-0.33	-2.79	-0.33	-2.79	-0.09	546.33	-842.04	199.01	-494.72	-601.32
60	91	220	8.01	0.08	-1.07	0.08	-1.07	-0.03	645.94	-737.13	315.78	-406.97	-589.60
		148	5.23	-0.19	-1.95	-0.19	-1.95	1.60e-03	343.69	-549.93	44.02	-250.26	-421.89
		147	3.91	0.05	-1.61	0.03	-1.59	-0.17	412.57	-257.43	77.63	77.51	-335.00
		198	5.13	-0.23	-1.23	-0.23	-1.23	-7.75e-04	395.30	-488.61	154.49	-247.81	-393.52
61	18	204	15.33	-0.09	-5.07	-5.05	-0.11	0.34	1863.57	-693.48	781.25	388.85	-1263.38
		203	11.27	-0.42	-5.02	-5.00	-0.44	-0.32	1442.09	-409.39	710.44	322.25	-905.16
		138	8.32	-0.08	-4.95	-4.81	-0.22	-0.80	1103.15	-231.16	896.46	-24.47	-482.77
		137	10.07	-0.20	-3.97	-3.93	-0.24	-0.37	1286.33	-360.81	985.45	-59.93	-636.45
61	41	204	10.61	-0.06	-3.46	-3.43	-0.09	0.28	1305.19	-456.93	576.87	271.39	-867.72
		203	7.78	-0.30	-3.36	-3.35	-0.31	-0.19	1007.75	-265.33	518.63	223.79	-619.23
		138	5.86	-0.05	-3.24	-3.15	-0.14	-0.54	783.46	-152.55	647.51	-16.59	-329.80
		137	7.10	-0.14	-2.62	-2.59	-0.16	-0.25	916.82	-240.54	718.15	-41.86	-436.42
61	47	204	6.16	0.18	-1.05	-0.75	-0.11	0.52	889.01	-55.11	660.54	173.36	-404.36
		203	4.36	0.03	-0.51	-0.36	-0.12	0.24	654.68	7.46	529.13	133.00	-255.92
		138	4.33	0.07	0.04	0.06	0.05	-9.91e-03	631.53	-33.39	604.12	-5.98	-132.18

		137	5.52	-0.01	-0.31	-0.31	-0.01	-1.60e-03	787.83	-73.10	741.59	-26.86	-194.09
61	54	204	5.88	0.16	-0.66	-0.42	-0.08	0.37	851.77	-49.67	637.55	164.55	-383.69
		203	4.15	0.04	-0.25	-0.11	-0.10	0.15	626.32	8.71	508.92	126.12	-242.34
		138	4.16	0.36	0.04	0.36	0.04	-0.01	606.07	-31.06	580.56	-5.55	-124.91
		137	5.30	0.14	-0.01	0.14	-0.01	-9.28e-03	757.65	-68.71	714.56	-25.63	-183.70
61	83	204	12.87	-0.35	-5.26	-5.07	-0.54	0.94	1660.30	-431.62	957.95	270.72	-987.91
		203	10.28	-0.36	-4.87	-4.79	-0.45	0.61	1347.95	-308.21	828.06	211.68	-768.60
		138	10.04	-0.24	-4.05	-4.01	-0.28	0.39	1361.61	-231.03	1010.17	120.41	-660.46
		137	11.84	-0.17	-4.26	-4.19	-0.23	0.51	1581.06	-314.33	1146.00	120.72	-797.07
61	111	204	9.01	-0.05	-2.67	-2.48	-0.24	0.68	1218.91	-215.53	791.52	211.86	-656.05
		203	6.89	-0.21	-2.27	-2.19	-0.29	0.40	951.67	-133.41	662.11	156.15	-479.95
		138	6.75	-0.10	-1.57	-1.54	-0.13	0.21	945.44	-110.20	797.23	38.01	-366.73
		137	8.13	-0.09	-1.79	-1.75	-0.13	0.27	1127.08	-155.30	932.33	39.45	-460.23
62	21	105	65.62	3.44	-39.55	-7.60	-28.51	-18.78	1260.61	-9022.50	-6353.33	-1408.56	-4508.10
		226	20.42	9.15	-12.40	-5.47	2.22	10.07	2907.17	-165.41	200.78	2540.99	995.51
		219	24.47	0.93	-19.56	-8.39	-10.23	-10.20	1137.32	-2875.30	-1601.06	-136.92	-1867.98
		181	18.50	0.16	-21.58	-5.86	-15.56	9.72	3170.27	1271.42	2886.09	1555.60	677.40
62	40	105	41.83	1.26	-23.55	-5.11	-17.18	-10.84	473.47	-5946.56	-4252.41	-1220.68	-2829.54
		226	11.21	3.95	-7.60	-3.47	-0.18	5.54	1717.89	147.37	422.06	1443.20	596.62
		219	15.28	-0.01	-12.10	-5.05	-7.06	-5.96	760.26	-1761.47	-942.10	-59.11	-1181.04
		181	12.72	0.39	-13.33	-3.10	-9.85	5.98	2182.90	915.87	1935.85	1162.93	501.98
62	48	105	8.13	7.72	-2.89	-0.21	5.03	4.61	178.25	-1108.47	-66.06	-864.16	504.65
		226	9.48	2.01	-6.21	0.46	-4.65	-3.22	845.20	-765.21	826.71	-746.72	-171.56
		219	3.41	2.98	-2.31	1.46	-0.79	2.39	457.43	-60.32	346.08	51.04	212.73
		181	2.81	3.31	0.40	2.29	1.42	-1.39	398.50	-32.34	43.53	322.63	164.11
62	53	105	7.96	7.69	-2.87	-0.20	5.02	4.59	177.13	-1083.66	-67.03	-839.51	498.22
		226	9.31	2.01	-6.16	0.46	-4.62	-3.20	828.60	-752.08	810.52	-734.00	-168.09
		219	3.36	2.97	-2.28	1.46	-0.77	2.38	451.01	-57.71	338.29	55.02	211.28
		181	2.77	3.29	0.40	2.27	1.42	-1.38	392.89	-30.34	43.95	318.60	161.00
62	57	105	38.55	19.80	0.05	5.42	14.43	8.79	4656.22	-1785.37	4115.92	-1245.07	1785.63
		226	33.55	6.94	-4.04	6.89	-3.99	-0.73	4996.62	18.14	4995.30	19.45	80.98
		219	8.72	5.00	-0.95	4.04	0.01	2.19	718.38	-762.18	485.06	-528.87	539.45
		181	18.08	10.44	6.11	6.42	10.13	-1.11	1321.44	-1780.92	-2.10	-457.38	1534.39
62	89	105	20.77	13.71	-1.68	2.39	9.64	6.79	2152.56	-1401.97	1805.70	-1055.11	1054.81
		226	19.14	4.03	-5.17	3.37	-4.51	-2.38	2658.76	-334.49	2657.20	-332.92	-68.42
		219	5.55	4.09	-1.69	2.73	-0.33	2.45	576.71	-346.14	420.49	-189.92	346.07
		181	8.97	6.44	3.31	4.22	5.53	-1.42	776.56	-762.51	4.28	9.76	769.53
63	16	266	8.27	1.11	-1.23	-0.79	0.67	0.92	992.58	-388.95	987.91	-384.28	-80.17
		227	10.88	1.09	-0.23	-0.03	0.89	0.47	1166.49	-692.32	1155.47	-681.30	-142.69
		220	9.84	1.15	-0.21	-0.15	1.09	-0.28	961.93	-733.26	816.09	-587.43	-475.34
		257	7.12	0.84	-1.01	-0.70	0.53	-0.69	903.13	-272.86	854.48	-224.22	-234.17
63	39	266	5.96	0.74	-0.83	-0.55	0.46	0.60	713.12	-283.91	709.84	-280.63	-57.10
		227	7.80	0.74	-0.17	-0.04	0.61	0.32	813.91	-523.06	806.88	-516.03	-96.69
		220	7.08	0.78	-0.16	-0.12	0.74	-0.19	685.07	-534.99	576.35	-426.27	-347.60
		257	5.16	0.57	-0.68	-0.48	0.37	-0.46	647.15	-207.89	612.46	-173.19	-168.71
63	51	266	4.16	0.26	-0.31	-0.30	0.26	0.06	485.43	-215.12	483.14	-212.83	-39.98
		227	5.22	0.28	-0.16	-0.14	0.25	0.09	402.13	-498.65	401.08	-497.61	-30.62
		220	4.79	0.30	-0.22	-0.19	0.27	-0.12	424.05	-404.45	327.69	-308.09	-265.62
		257	3.79	0.26	-0.27	-0.24	0.23	-0.12	430.63	-211.98	410.12	-191.46	-112.98
63	53	266	3.87	0.21	-0.26	-0.25	0.20	-0.08	445.71	-208.29	443.68	-206.26	-36.40
		227	4.85	0.17	-0.17	-0.17	0.16	0.04	313.19	-516.71	312.94	-516.46	-14.32
		220	4.42	0.17	-0.24	-0.22	0.14	-0.10	375.11	-390.06	277.05	-292.00	-255.77
		257	3.60	0.20	-0.19	-0.19	0.20	-0.03	391.81	-222.98	373.93	-205.10	-103.33
63	63	266	7.17	1.95	-0.23	0.29	1.42	-0.93	1011.68	-114.98	1005.31	-108.62	-84.46
		227	9.04	2.09	0.19	0.41	1.87	-0.61	846.57	-709.66	836.22	-699.31	126.53
		220	9.76	2.23	0.40	0.58	2.05	-0.54	1149.91	-494.88	1085.76	-430.73	-318.44
		257	8.82	1.77	0.19	0.49	1.47	-0.62	1249.57	-134.48	1225.24	-110.14	-181.92
63	87	266	5.52	2.97e-03	-0.75	-0.03	-0.72	-0.16	717.70	-183.59	715.87	-181.76	-40.58
		227	6.75	-8.62e-03	-1.29	-8.93e-03	-1.29	0.02	569.05	-594.32	566.69	-591.95	52.41
		220	6.43	-0.16	-1.25	-0.17	-1.24	-0.11	707.34	-385.44	664.62	-342.72	-211.80
		257	6.09	-0.14	-0.83	-0.15	-0.83	-0.05	793.99	-201.71	780.54	-188.26	-114.94
64	18	231	25.02	-1.68	-13.35	-12.85	-2.19	-2.37	2641.50	-1622.71	49.88	968.91	-2082.00
		212	17.42	-0.05	-9.84	-8.85	-1.03	2.94	1799.19	-1156.81	535.97	106.40	-1462.31
		136	12.58	5.60	-5.87	-4.44	4.16	-3.79	1517.61	-572.29	853.04	92.28	-973.26
		135	9.59	-1.28	-11.09	-3.20	-9.16	3.90	-151.60	-1491.90	-1047.75	-595.75	-630.89
64	41	231	17.30	-1.20	-9.06	-8.75	-1.51	-1.53	1851.36	-1095.64	78.85	676.87	-1442.84
		212	12.04	-0.06	-6.94	-6.16	-0.84	2.18	1263.95	-774.20	412.08	77.66	-1005.26
		136	8.84	4.10	-3.92	-2.92	3.10	-2.65	1083.89	-378.30	636.51	69.09	-673.80
		135	6.42	-1.02	-8.14	-2.46	-6.70	2.86	-96.00	-996.05	-669.41	-422.64	-432.78
64	52	231	10.67	-0.50	-2.56	-2.56	-0.51	-0.10	1316.62	-462.91	418.48	435.23	-889.72
		212	7.40	4.49e-03	-3.17	-2.29	-0.88	1.43	923.55	-285.79	562.84	74.91	-553.27
		136	6.67	2.54	-0.68	-0.26	2.12	-1.09	940.63	-105.28	743.64	91.71	-408.94
		135	3.67	-0.79	-5.00	-1.72	-4.07	1.75	175.05	-441.74	80.92	-347.61	-221.81
64	54	231	9.57	-0.23	-1.31	-1.13	-0.41	0.40	1235.72	-332.21	514.60	388.90	-781.44
		212	6.67	0.16	-2.82	-1.66	-1.00	1.46	880.43	-186.57	616.47	77.39	-460.41
		136	6.47	2.34	-0.17	0.10	2.07	-0.78	942.40	-51.38	791.69	99.33	-356.45
		135	4.09	-1.23	-4.93	-2.40	-3.76	1.72	317.67	-386.49	269.21	-338.04	-178.24

64	83	231	22.13	-4.12	-10.30	-9.18	-5.23	2.37	2725.82	-926.74	1046.96	752.12	-1820.32
		212	16.35	-1.17	-9.62	-8.94	-1.85	2.30	1978.70	-714.37	1154.30	110.03	-1241.19
		136	17.27	1.32	-7.23	-7.08	1.17	1.11	2146.38	-693.12	1305.06	148.20	-1296.58
		135	17.15	-4.99	-14.49	-10.13	-9.35	4.73	1920.21	-936.92	818.93	164.36	-1390.57
64	115	231	15.47	-2.07	-5.51	-4.90	-2.69	1.32	1927.49	-622.83	743.21	561.45	-1271.92
		212	11.14	-0.62	-5.85	-5.07	-1.40	1.86	1379.92	-441.40	847.68	90.84	-828.31
		136	11.35	1.64	-3.27	-3.26	1.64	0.12	1490.84	-345.41	1022.68	122.75	-800.31
		135	9.67	-3.06	-9.34	-6.02	-6.38	3.14	1021.63	-602.49	519.53	-100.38	-750.58
65	18	282	8.98	-1.62	-4.41	-4.10	-1.92	-0.87	940.34	-593.30	43.65	303.38	-755.74
		275	5.30	-0.09	-4.70	-3.64	-1.15	-1.94	427.56	-466.45	-243.62	204.73	-386.73
		236	5.61	-0.41	-5.87	-5.24	-1.04	-1.74	752.06	-139.27	226.77	386.02	-438.50
		241	9.30	-0.85	-4.17	-3.69	-1.33	-1.16	1200.38	-321.83	398.51	480.03	-760.01
65	41	282	6.14	-1.21	-2.95	-2.78	-1.37	-0.51	653.40	-394.67	52.22	206.51	-518.33
		275	3.50	-0.15	-3.16	-2.48	-0.83	-1.26	287.90	-302.46	-151.71	137.15	-257.43
		236	3.81	-0.31	-3.92	-3.51	-0.72	-1.14	521.53	-77.28	178.18	266.07	-296.16
		241	6.38	-0.65	-2.79	-2.51	-0.93	-0.72	836.71	-202.27	301.43	333.01	-519.25
65	52	282	3.24	-0.63	-0.80	-0.74	-0.69	0.08	409.74	-124.83	174.52	110.38	-265.36
		275	0.85	-0.29	-0.86	-0.77	-0.38	-0.21	108.97	-28.70	23.06	57.21	-66.68
		236	1.97	-0.16	-0.85	-0.77	-0.24	-0.22	325.60	76.67	248.56	153.72	-115.08
		241	3.59	-0.41	-0.67	-0.66	-0.41	0.03	545.87	18.74	354.92	209.70	-253.37
65	54	282	2.74	-0.09	-0.77	-0.28	-0.58	0.31	369.35	-68.69	207.22	93.45	-211.50
		275	0.47	-0.22	-0.49	-0.41	-0.30	0.13	78.08	30.39	66.23	42.24	-20.61
		236	1.80	-0.08	-0.21	-0.15	-0.15	0.06	304.95	100.48	273.30	132.13	-73.96
		241	3.16	-0.01	-0.61	-0.30	-0.32	0.30	500.17	64.59	377.36	187.40	-195.99
65	83	282	7.76	-1.04	-4.45	-3.34	-2.15	1.60	954.50	-318.05	375.00	261.46	-633.73
		275	4.57	-1.14	-4.04	-3.45	-1.73	1.17	586.03	-145.55	227.53	212.94	-365.72
		236	5.88	-1.22	-4.32	-3.84	-1.70	1.13	848.18	-33.59	474.15	340.44	-435.79
		241	8.30	-1.13	-4.91	-4.01	-2.03	1.61	1136.76	-161.20	592.30	383.27	-640.51
65	115	282	5.06	-0.63	-2.40	-1.71	-1.32	0.87	640.42	-183.47	282.27	174.68	-408.42
		275	2.30	-0.68	-2.12	-1.83	-0.97	0.57	310.70	-49.44	138.50	122.76	-179.90
		236	3.57	-0.65	-2.10	-1.88	-0.87	0.52	548.07	45.60	362.75	230.92	-242.44
		241	5.49	-0.60	-2.57	-2.05	-1.12	0.87	793.11	-37.82	473.39	281.90	-404.29
66	16	259	6.30	1.56	-2.06	-1.01	0.52	1.64	882.57	-108.88	870.80	-97.11	107.41
		218	8.43	1.21	-0.90	-0.22	0.52	0.99	928.67	-508.57	819.27	-399.17	381.14
		227	11.11	0.96	-0.23	-0.20	0.92	0.20	1158.10	-745.41	1158.09	-745.40	4.29
		266	8.14	0.63	-0.71	-0.70	0.63	0.09	991.31	-365.67	990.13	-364.49	-40.01
66	39	259	4.56	1.04	-1.37	-0.70	0.37	1.09	634.96	-85.01	625.69	-75.74	81.15
		218	6.04	0.81	-0.62	-0.17	0.36	0.66	662.76	-368.06	579.43	-284.74	280.98
		227	7.96	0.65	-0.17	-0.15	0.64	0.12	808.28	-558.39	808.28	-558.38	3.17
		266	5.88	0.44	-0.49	-0.49	0.43	0.05	712.27	-268.73	711.56	-268.02	-26.36
66	51	259	3.26	0.35	-0.41	-0.33	0.27	0.23	435.36	-90.80	426.96	-82.40	65.94
		218	3.86	0.30	-0.27	-0.17	0.21	0.21	413.32	-248.74	333.37	-168.80	215.73
		227	5.19	0.34	-0.15	-0.15	0.34	-0.01	398.62	-495.61	398.62	-495.61	1.37
		266	4.17	0.22	-0.28	-0.28	0.22	-0.01	485.21	-217.79	485.11	-217.68	-8.64
66	53	259	3.07	0.25	-0.25	-0.25	0.25	0.02	400.86	-99.37	391.85	-90.37	66.52
		218	3.52	0.19	-0.21	-0.18	0.17	0.10	368.70	-234.79	283.36	-149.46	210.28
		227	4.75	0.27	-0.16	-0.16	0.26	-0.05	309.42	-503.72	309.42	-503.72	1.56
		266	3.91	0.17	-0.24	-0.24	0.17	-0.02	445.80	-215.49	445.78	-215.47	-3.52
66	55	259	6.40	1.43	-2.84	0.93	-2.34	1.38	964.28	36.59	900.61	100.26	234.55
		218	5.76	1.35	-2.70	1.04	-2.39	1.08	785.39	-115.57	752.71	-82.89	168.45
		227	8.82	0.59	-2.74	0.24	-2.39	1.03	881.57	-627.39	881.37	-627.19	-17.19
		266	7.41	0.70	-3.19	0.16	-2.65	1.35	1075.26	-53.81	1075.15	-53.69	-11.35
66	87	259	4.46	0.58	-1.25	0.28	-0.94	0.68	652.53	-22.48	622.35	7.69	139.49
		218	4.33	0.57	-1.23	0.37	-1.03	0.57	546.72	-160.10	492.25	-105.63	188.50
		227	6.43	0.21	-1.12	7.60e-03	-0.91	0.48	562.46	-546.53	562.46	-546.53	-2.51
		266	5.40	0.22	-1.42	-0.07	-1.13	0.62	728.12	-138.37	728.07	-138.32	-7.03
67	18	181	12.70	-7.07	-20.01	-10.63	-16.45	-5.78	1140.01	-1030.72	-605.86	715.15	-861.25
		219	10.54	-2.13	-6.77	-3.18	-5.72	-1.94	1410.18	-298.82	96.71	1014.65	-720.78
		185	15.34	-2.32	-13.51	-3.82	-12.01	-3.81	1769.14	-821.29	-65.64	1013.50	-1177.48
		182	9.23	6.71	-6.70	6.33	-6.32	2.23	1377.97	84.59	227.20	1235.36	-405.10
67	41	181	8.38	-4.66	-13.07	-6.92	-10.80	-3.73	749.75	-683.27	-413.35	479.84	-560.30
		219	6.76	-1.51	-4.56	-2.05	-4.02	-1.17	930.69	-146.80	106.51	677.37	-456.92
		185	10.29	-1.64	-9.00	-2.50	-8.14	-2.36	1213.96	-518.95	-13.45	708.46	-787.69
		182	6.41	4.38	-4.63	4.14	-4.38	1.46	960.18	64.48	150.25	874.40	-263.57
67	47	181	2.01	4.03	0.91	2.17	2.77	1.53	236.43	-87.47	-69.52	218.48	74.10
		219	2.79	1.29	-2.04	0.86	-1.61	1.11	463.93	146.79	436.80	173.92	88.70
		185	3.72	1.86	-1.54	0.72	-0.40	1.60	620.51	198.74	336.50	482.75	-197.80
		182	4.60	-0.45	-1.39	-1.17	-0.68	-0.40	674.11	-29.37	-28.34	673.08	-26.84
67	54	181	1.88	3.56	0.73	1.93	2.35	1.40	213.16	-92.94	-73.21	193.43	75.17
		219	2.78	1.21	-2.02	0.80	-1.61	1.07	454.66	117.92	423.75	148.83	97.22
		185	3.49	1.69	-1.54	0.63	-0.48	1.52	583.62	196.58	326.15	454.05	-182.65
		182	4.37	-0.62	-1.32	-1.04	-0.90	-0.35	640.82	-25.29	-24.71	640.24	-19.64
67	70	181	13.67	19.19	4.03	7.98	15.24	6.66	1424.90	-836.93	131.69	456.28	1119.21
		219	14.78	10.28	1.57	5.80	6.06	4.35	1271.95	-1248.16	553.33	-529.54	1137.80
		185	9.26	7.47	-0.21	0.92	6.33	2.73	914.03	-669.63	473.63	-229.24	709.57
		182	11.90	11.71	-0.51	0.18	11.02	2.82	1502.74	-398.96	196.51	907.27	881.94
67	115	181	5.43	-0.48	-4.02	-0.67	-3.82	-0.82	674.79	-223.53	-13.87	465.14	-379.97

		219	5.24	-1.34	-5.60	-1.37	-5.58	-0.30	834.22	134.74	464.48	504.47	-349.17
		185	8.47	0.71	-4.31	0.49	-4.09	1.02	1230.95	-42.70	372.37	815.88	-596.97
		182	7.97	-1.08	-7.16	-1.58	-6.65	-1.68	1104.16	-143.72	42.93	917.51	-445.06
68	18	265	7.87	-3.24	-5.23	-3.62	-4.85	-0.79	1063.58	-203.50	316.20	543.88	-623.23
		299	7.33	-2.80	-3.77	-2.94	-3.62	-0.35	922.14	-292.06	405.40	224.68	-600.34
		304	10.29	-2.31	-5.69	-4.63	-3.37	-1.57	1291.06	-407.62	453.23	430.21	-849.27
		260	11.02	-3.44	-5.51	-3.53	-5.42	-0.41	1472.74	-306.35	410.07	756.32	-872.54
68	41	265	5.30	-2.25	-3.56	-2.41	-3.40	-0.42	735.10	-103.67	274.87	356.57	-417.39
		299	5.14	-2.00	-2.60	-2.04	-2.56	-0.14	652.86	-194.57	323.30	134.99	-413.12
		304	7.09	-1.74	-3.75	-3.14	-2.35	-0.93	905.65	-261.31	352.50	291.85	-582.69
		260	7.51	-2.38	-3.78	-2.39	-3.77	-0.11	1022.78	-174.62	329.11	519.05	-591.12
68	52	265	3.98	-0.06	-1.91	-0.15	-1.81	0.41	615.23	39.51	560.58	94.17	-168.75
		299	4.33	-0.62	-1.49	-0.65	-1.46	0.15	563.35	-147.16	470.87	-54.68	-239.07
		304	4.65	-0.57	-1.27	-0.72	-1.12	0.29	669.02	-48.74	475.17	145.11	-318.69
		260	4.49	-0.06	-2.04	-0.45	-1.65	0.78	711.16	98.39	524.01	285.54	-282.23
68	54	265	4.44	0.64	-1.67	0.43	-1.47	0.66	669.94	15.05	648.93	36.06	-115.40
		299	4.52	-0.27	-1.33	-0.35	-1.25	0.28	581.67	-162.78	519.14	-100.26	-206.48
		304	4.41	0.25	-1.29	-0.16	-0.87	0.68	649.93	-16.24	517.73	115.95	-265.69
		260	4.27	0.66	-1.83	0.03	-1.20	1.09	692.04	134.26	588.07	238.23	-217.22
68	83	265	9.71	-2.31	-6.96	-3.74	-5.53	2.15	1502.06	156.79	974.77	684.08	-656.74
		299	9.25	-1.84	-5.43	-4.26	-3.00	1.68	1269.23	-175.23	854.97	239.04	-653.28
		304	10.90	-1.30	-5.58	-4.19	-2.69	2.00	1512.16	-183.44	837.69	491.04	-829.89
		260	11.99	-2.23	-7.36	-4.26	-5.33	2.51	1788.91	42.73	909.69	921.94	-873.07
68	115	265	6.35	-0.86	-4.07	-1.52	-3.41	1.30	1000.81	134.06	791.74	343.13	-370.81
		299	6.49	-1.26	-3.02	-2.18	-2.10	0.88	880.03	-150.70	667.04	62.29	-417.34
		304	7.31	-0.64	-3.17	-2.05	-1.75	1.26	1037.97	-85.65	656.98	295.34	-531.91
		260	7.63	-0.77	-4.39	-1.99	-3.17	1.71	1178.24	112.13	728.31	562.06	-526.53
69	18	111	13.41	-21.39	-92.88	-35.67	-78.60	-28.58	580.18	-1283.47	425.14	-1128.43	-514.68
		127	6.21	19.75	3.38	3.39	19.75	0.35	-77.26	-876.58	-81.80	-872.04	-60.09
		305	4.30	17.08	-31.32	1.03	-15.27	-22.79	313.16	-281.04	308.44	-276.32	-52.76
		253	10.31	25.93	-31.58	24.82	-30.48	-7.88	853.02	-642.84	814.91	-604.73	-235.69
69	41	111	9.35	-14.27	-63.15	-24.01	-53.41	-19.52	412.37	-895.38	305.88	-788.90	-357.66
		127	4.34	13.47	2.43	2.43	13.47	0.27	-54.56	-613.78	-57.04	-611.30	-37.20
		305	2.91	11.45	-21.30	0.61	-10.46	-15.41	228.52	-179.36	226.72	-177.55	-27.05
		253	7.15	17.55	-21.47	16.79	-20.72	-5.37	610.90	-429.07	584.53	-402.70	-163.49
69	47	111	5.11	-3.69	-23.80	-7.42	-20.07	-7.81	283.38	-484.92	228.76	-430.30	-197.43
		127	2.48	5.19	1.51	1.62	5.09	0.62	-24.19	-361.39	-24.73	-360.84	13.57
		305	1.66	2.95	-7.80	4.99e-03	-4.85	-4.79	233.78	-9.34	220.35	4.09	55.54
		253	4.07	6.53	-8.01	6.34	-7.82	-1.67	490.74	-108.06	468.32	-85.64	-113.68
69	54	111	4.61	-3.13	-20.67	-6.32	-17.47	-6.77	267.99	-431.32	220.62	-383.96	-175.73
		127	2.18	4.50	1.40	1.54	4.36	0.65	-22.22	-320.22	-22.81	-319.64	13.23
		305	1.51	2.38	-6.86	-0.18	-4.30	-4.13	216.48	2.02	202.99	15.50	52.06
		253	3.59	5.42	-7.06	5.25	-6.89	-1.44	441.34	-84.63	423.57	-66.86	-95.03
69	81	111	10.69	-10.88	-67.89	-29.22	-49.56	-26.63	262.22	-1195.29	172.23	-1105.30	-350.81
		127	4.68	6.65	-19.12	-14.04	1.57	-10.25	-56.41	-716.91	-88.83	-684.50	-142.69
		305	4.99	10.78	-7.57	9.16	-5.94	-5.21	410.06	-374.12	409.64	-373.70	-18.18
		253	9.92	10.80	-41.21	8.43	-38.84	-10.86	589.17	-855.61	564.74	-831.18	-186.28
69	113	111	7.49	-6.96	-43.18	-17.23	-32.91	-16.33	265.85	-796.87	197.99	-729.01	-259.83
		127	3.35	4.99	-7.83	-5.88	3.04	-4.61	-46.14	-503.35	-54.66	-494.83	-61.85
		305	3.02	6.23	-6.99	4.32	-5.08	-4.65	299.83	-171.98	299.11	-171.26	18.44
		253	6.45	7.95	-23.44	6.77	-22.26	-5.97	508.70	-452.59	488.32	-432.22	-138.47
70	18	361	3.77	34.45	-34.70	-16.58	16.34	30.40	-2.63	-325.83	-200.97	-127.49	-157.36
		230	5.23	24.69	-19.91	1.57	3.21	22.28	564.85	-78.29	275.62	210.94	-319.94
		362	3.22	24.48	-25.82	-6.59	5.25	24.44	105.15	-208.74	38.67	-142.27	-128.25
		353	1.16	17.95	-8.57	-0.45	9.83	12.22	-100.51	-131.85	-106.57	-125.79	12.38
70	41	361	2.54	23.34	-24.28	-11.75	10.81	20.97	-7.41	-223.31	-145.03	-85.69	-103.80
		230	3.52	16.44	-13.63	0.85	1.96	15.02	393.30	-31.64	202.95	158.72	-211.32
		362	2.18	16.39	-17.53	-4.72	3.59	16.44	69.04	-145.50	28.85	-105.31	-83.71
		353	0.79	12.35	-5.94	-0.40	6.81	8.40	-67.56	-95.65	-74.40	-88.80	12.06
70	52	361	1.08	9.99	-15.31	-8.16	2.84	11.39	-23.34	-123.00	-114.07	-32.27	-28.47
		230	1.56	5.27	-7.15	-1.17	-0.71	6.20	227.80	108.95	178.44	158.31	-58.57
		362	1.07	6.08	-8.24	-3.40	1.24	6.77	28.68	-101.89	26.10	-99.31	-18.17
		353	0.65	6.49	-3.46	-0.65	3.68	4.48	-26.15	-81.39	-46.84	-60.70	26.74
70	54	361	1.03	7.55	-13.99	-7.65	1.21	9.82	-19.84	-112.74	-110.89	-21.70	-12.99
		230	1.32	2.92	-6.06	-1.72	-1.41	4.49	198.28	142.78	178.23	162.83	-26.66
		362	0.94	4.17	-6.46	-3.09	0.80	4.94	26.32	-101.52	26.16	-101.36	-4.53
		353	0.65	5.50	-3.05	-0.69	3.14	3.82	-17.95	-82.03	-42.83	-57.16	31.23
70	83	361	4.02	37.59	-21.70	7.45	8.44	29.64	47.59	-322.86	-157.94	-117.34	-184.11
		230	4.07	33.69	-14.30	13.25	6.14	23.73	377.41	-79.41	140.37	157.62	-228.25
		362	3.18	20.50	-18.29	-6.50	8.72	17.84	89.71	-260.44	-50.38	-120.35	-171.55
		353	2.88	28.08	-21.48	-4.15	10.75	23.64	-41.66	-255.91	-130.10	-167.47	-105.48
70	115	361	2.32	21.39	-17.34	-0.64	4.70	19.18	-0.30	-199.89	-133.50	-66.69	-94.04
		230	2.39	17.48	-10.02	5.23	2.23	13.67	282.26	38.27	160.13	160.40	-121.99
		362	1.86	12.05	-12.15	-4.71	4.61	11.17	36.77	-157.80	-10.76	-110.27	-83.60
		353	1.42	16.19	-11.72	-2.33	6.81	13.19	-61.26	-132.71	-84.94	-109.03	-33.63
71	17	168	13.36	-4.01	-106.40	-106.34	-4.07	-2.52	619.62	-1183.12	-951.88	388.37	-602.83
		167	8.61	9.66	-39.12	-31.20	1.74	-17.98	457.20	-812.63	-197.61	-157.81	-634.60

		117	7.22	24.07	-21.99	8.21	-6.12	-21.89	422.96	-610.82	-159.67	-28.18	-512.69
		112	14.08	74.03	39.56	72.27	41.32	-7.60	-102.16	-2037.96	-1103.71	-1036.41	-967.32
71	40	168	8.82	-2.76	-72.28	-72.24	-2.81	-1.76	416.69	-769.68	-610.53	257.54	-404.33
		167	5.87	6.74	-26.14	-20.59	1.20	-12.31	324.82	-543.97	-116.34	-102.81	-434.35
		117	4.98	16.40	-15.22	5.51	-4.33	-15.02	295.86	-418.27	-100.51	-21.90	-354.90
		112	9.33	50.73	27.06	49.45	28.33	-5.34	-66.42	-1348.69	-721.91	-693.20	-640.97
71	52	168	2.35	-1.46	-32.29	-32.25	-1.50	-1.12	168.48	-137.94	-42.08	72.63	-142.07
		167	2.77	4.11	-9.45	-5.92	0.58	-5.95	235.89	-190.36	63.88	-18.36	-209.12
		117	2.67	7.47	-8.47	2.00	-3.00	-7.57	193.31	-192.17	9.50	-8.36	-192.53
		112	2.58	24.90	12.87	23.77	14.00	-3.51	18.18	-354.21	-125.62	-210.41	-181.30
71	54	168	1.62	-1.21	-24.38	-24.33	-1.25	-1.01	152.81	-26.67	95.40	30.74	-83.72
		167	2.25	3.74	-6.21	-2.93	0.45	-4.68	229.42	-116.44	111.94	1.03	-163.80
		117	2.25	5.67	-7.25	1.23	-2.81	-6.14	181.13	-143.97	38.18	-1.02	-161.37
		112	1.41	19.80	9.95	18.56	11.19	-3.26	56.78	-135.02	17.41	-95.66	-77.46
71	83	168	14.73	1.59	-104.16	-89.74	-12.83	-36.29	-43.16	-1743.48	-1156.86	-629.78	-808.28
		167	11.87	1.37	-65.88	-65.87	1.37	-0.67	127.49	-1487.26	-1085.86	-273.91	-697.88
		117	8.72	37.33	12.40	31.52	18.21	10.54	118.29	-1092.19	-794.66	-179.23	-521.18
		112	9.39	62.84	4.66	46.64	20.85	-26.08	-86.54	-1346.63	-849.08	-584.09	-615.95
71	115	168	7.41	-0.91	-60.72	-54.97	-6.67	-17.64	53.97	-823.41	-486.16	-283.27	-426.80
		167	6.18	1.11	-32.64	-32.41	0.88	-2.78	160.05	-729.27	-442.51	-126.71	-415.68
		117	4.65	15.96	6.78	15.65	7.10	1.68	143.32	-567.12	-342.56	-81.25	-330.32
		112	4.90	40.02	7.67	31.94	15.75	-14.01	-21.21	-686.79	-380.39	-327.61	-331.74
72	18	119	6.09	5.40	-1.43	-1.19	5.16	-1.25	12.58	-886.09	-877.71	4.20	-86.37
		270	5.16	23.88	-13.42	-5.00	15.46	-15.59	622.62	-8.02	250.83	363.77	-310.23
		302	3.82	30.90	0.40	15.70	15.59	-15.25	426.06	10.38	176.88	259.57	-203.69
		121	5.27	36.04	17.92	18.53	35.43	3.27	-77.30	-790.75	-789.61	-78.44	-28.52
72	41	119	4.37	4.10	-0.78	-0.49	3.81	-1.16	8.38	-637.57	-632.98	3.78	-54.29
		270	3.57	16.19	-8.99	-3.11	10.32	-10.65	445.72	17.91	197.24	266.39	-211.09
		302	2.60	20.82	0.25	10.83	10.23	-10.28	302.19	30.47	142.23	190.44	-133.70
		121	3.80	24.30	12.49	12.82	23.97	1.96	-55.98	-572.20	-571.95	-56.23	-11.32
72	47	119	3.01	5.65	-0.97	1.33	3.36	-3.15	32.88	-430.16	-430.16	32.88	0.15
		270	2.46	6.12	-3.23	0.45	2.44	-4.57	390.85	167.21	298.31	259.75	-110.15
		302	1.72	7.32	-1.16	5.10	1.06	-3.73	260.27	167.28	236.23	191.32	-40.71
		121	2.88	8.90	4.50	5.95	7.45	-2.07	-18.10	-423.69	-419.32	-22.47	41.86
72	54	119	2.83	5.35	-0.72	1.45	3.17	-2.91	26.74	-409.17	-409.11	26.68	4.96
		270	2.19	5.31	-2.69	0.65	1.96	-3.94	350.83	162.70	275.60	237.93	-92.16
		302	1.53	6.21	-1.10	4.51	0.60	-3.09	233.51	160.37	219.38	174.50	-28.87
		121	2.73	7.87	3.88	5.32	6.43	-1.92	-18.33	-401.79	-396.75	-23.37	43.67
72	59	119	12.98	24.86	11.19	11.28	24.77	-1.08	-249.64	-2050.51	-2050.07	-250.08	-28.03
		270	9.26	8.54	7.18	7.26	8.45	-0.33	45.56	-1352.01	-1345.67	39.22	-93.90
		302	9.54	26.95	9.81	25.96	10.80	-3.99	-13.24	-1334.01	-1333.90	-13.35	-12.35
		121	12.91	43.41	19.72	29.67	33.46	-11.69	-291.66	-1970.75	-1970.30	-292.10	27.36
72	91	119	7.31	13.35	5.14	5.72	12.77	-2.10	-96.02	-1138.95	-1138.85	-96.12	-10.06
		270	3.78	6.71	1.78	3.51	4.98	-2.35	164.04	-459.53	-445.24	149.75	-93.30
		302	3.85	15.26	4.08	14.04	5.30	-3.48	92.14	-472.43	-471.53	91.24	-22.48
		121	7.24	23.79	10.82	16.11	18.49	-6.37	-141.17	-1098.14	-1096.81	-142.49	35.55
73	18	357	4.82	41.74	-26.65	14.00	1.10	33.58	234.38	-272.89	36.06	-74.57	-247.53
		356	3.34	29.19	-32.15	9.67	-12.63	28.57	16.19	-261.99	-96.99	-148.81	-136.66
		267	5.60	30.53	-22.59	11.38	-3.45	25.50	536.30	-146.79	122.53	266.97	-333.82
		229	7.04	32.66	-28.55	3.29	0.82	30.58	669.20	-218.50	193.02	257.68	-442.67
73	41	357	3.34	28.41	-18.77	9.04	0.60	23.21	162.52	-191.22	28.74	-57.44	-171.54
		356	2.28	20.32	-22.69	6.70	-9.07	20.01	5.30	-181.04	-66.02	-109.72	-90.57
		267	3.83	20.64	-15.69	7.71	-2.76	17.39	378.18	-85.18	93.53	199.48	-225.54
		229	4.84	22.07	-19.84	2.04	0.20	20.93	471.90	-135.91	143.96	192.03	-302.95
73	52	357	1.89	12.02	-12.48	0.36	-0.83	12.23	95.15	-120.36	38.83	-64.05	-94.68
		356	1.09	11.08	-15.38	2.73	-7.04	12.29	-18.24	-107.86	-27.61	-98.49	-27.42
		267	1.97	8.01	-9.41	2.63	-4.03	8.05	249.62	42.00	100.78	190.84	-93.54
		229	2.54	8.70	-11.66	-0.70	-2.25	10.15	306.10	11.40	136.84	180.66	-145.71
73	54	357	1.65	8.59	-11.78	-1.95	-1.25	10.18	85.84	-109.37	43.40	-66.93	-80.52
		356	0.98	9.30	-14.54	1.69	-6.93	11.11	-17.07	-101.65	-19.72	-99.00	-14.74
		267	1.70	5.34	-8.47	1.45	-4.58	6.21	231.15	68.61	105.13	194.62	-67.84
		229	2.16	5.91	-10.36	-1.47	-2.99	8.10	278.65	43.96	139.44	183.17	-115.29
73	83	357	5.95	41.16	-21.77	15.90	3.50	30.85	280.51	-429.10	-75.10	-73.49	-354.80
		356	4.77	42.19	-20.63	20.73	0.84	29.80	146.16	-348.97	-138.54	-64.26	-244.77
		267	5.24	41.59	-15.05	23.52	3.02	26.40	498.09	-116.01	119.95	262.13	-298.70
		229	6.33	41.00	-21.23	19.04	0.73	29.74	564.42	-216.56	148.49	199.37	-389.66
73	115	357	3.60	23.80	-16.47	6.29	1.04	19.96	170.94	-252.53	-11.54	-70.05	-209.70
		356	2.68	24.61	-17.52	10.47	-3.39	19.89	44.49	-202.47	-74.87	-83.11	-123.41
		267	3.26	22.09	-11.72	11.52	-1.15	15.67	354.33	-17.89	111.72	224.72	-177.33
		229	4.05	22.23	-15.53	7.90	-1.20	18.33	413.10	-79.05	143.46	190.59	-244.94
74	18	190	16.02	24.22	-18.79	6.47	-1.05	-21.17	1152.25	-1404.97	-30.21	-222.51	-1274.99
		123	5.79	12.82	2.01	12.04	2.80	-2.80	280.07	-682.34	-268.91	-133.35	-476.41
		125	5.57	-15.00	-41.36	-15.01	-41.35	0.36	595.35	-286.93	418.87	-110.45	-352.93
		206	14.14	14.18	-16.74	-0.70	-1.85	-15.45	1156.04	-1141.31	272.01	-257.27	-1117.77
74	41	190	10.86	16.51	-13.05	4.28	-0.81	-14.56	806.21	-926.48	2.98	-123.25	-864.04
		123	3.92	8.50	1.30	7.92	1.88	-1.96	199.22	-453.78	-173.71	-80.86	-323.18
		125	3.85	-10.55	-28.37	-10.56	-28.37	0.31	418.42	-191.96	298.23	-71.77	-242.73

		206	9.76	9.45	-11.37	-0.67	-1.25	-10.41	814.10	-773.52	207.19	-166.61	-771.49
74	52	190	4.63	7.32	-7.03	1.19	-0.90	-7.10	481.68	-236.87	136.59	108.22	-359.00
		123	1.63	2.22	0.21	1.75	0.67	-0.85	144.99	-128.29	-9.44	26.14	-135.48
		125	2.09	-6.81	-14.20	-6.90	-14.11	0.81	268.84	-62.14	215.95	-9.25	-121.28
		206	5.01	2.65	-4.81	-1.73	-0.43	-3.67	508.10	-321.16	215.01	-28.06	-396.42
74	54	190	3.44	5.38	-5.84	0.52	-0.98	-5.56	425.95	-80.11	175.36	170.47	-253.02
		123	1.18	0.87	-0.08	0.37	0.42	-0.48	140.16	-53.03	32.16	54.96	-95.92
		125	1.85	-6.18	-11.71	-6.38	-11.51	1.03	244.99	-35.23	205.44	4.33	-97.57
		206	4.10	1.17	-3.52	-2.16	-0.19	-2.13	455.50	-227.02	226.52	1.96	-322.26
74	83	190	14.09	29.13	-4.01	22.97	2.14	-12.88	653.01	-1615.25	-566.93	-395.31	-1130.88
		123	10.66	27.98	-14.31	21.41	-7.75	-15.31	367.58	-1289.60	-665.73	-256.29	-802.90
		125	9.14	1.67	-39.19	-14.60	-22.93	-20.00	485.29	-862.67	-160.52	-216.86	-673.39
		206	13.52	10.01	-20.79	-8.78	-1.99	-15.02	775.72	-1389.50	-152.54	-461.24	-1071.55
74	115	190	8.21	16.02	-4.67	10.86	0.49	-8.95	538.56	-791.34	-162.73	-90.05	-663.96
		123	5.53	13.30	-6.78	10.03	-3.50	-7.42	252.01	-625.05	-285.49	-87.55	-427.22
		125	4.90	-4.15	-23.17	-10.32	-17.01	-8.90	343.69	-404.19	36.39	-96.90	-367.95
		206	8.39	5.30	-11.67	-5.32	-1.06	-8.21	607.28	-765.24	52.87	-210.83	-673.47
75	18	207	15.11	11.88	-26.42	-25.56	11.03	5.65	771.53	-1616.04	692.97	-1537.48	-425.91
		111	12.94	-27.48	-102.87	-36.38	-93.97	24.32	980.82	-1007.00	929.18	-955.36	-316.21
		253	11.00	32.52	-39.33	29.49	-36.30	-14.44	759.92	-786.96	718.42	-745.47	-249.94
		205	10.45	11.87	-30.31	5.05	-23.49	15.53	863.44	-787.12	861.55	-785.23	55.82
75	41	207	10.53	8.00	-18.01	-17.40	7.40	3.93	554.75	-1114.42	502.41	-1062.08	-290.89
		111	9.07	-18.52	-70.06	-24.54	-64.04	16.55	692.99	-705.66	657.41	-670.08	-220.22
		253	7.63	22.10	-26.75	20.02	-24.67	-9.86	548.49	-529.30	519.46	-500.26	-174.51
		205	7.25	8.04	-20.71	3.45	-16.12	10.53	616.32	-530.57	615.11	-529.37	37.14
75	47	207	5.21	4.50	-7.51	-6.69	3.68	3.03	422.17	-421.49	408.46	-407.78	-106.68
		111	5.54	-5.98	-28.38	-8.08	-26.28	6.52	460.95	-426.27	437.49	-402.81	-142.36
		253	4.24	8.71	-9.69	8.12	-9.10	-3.24	469.16	-151.16	445.72	-127.72	-118.28
		205	4.01	3.82	-8.49	2.24	-6.91	4.12	480.41	-157.21	468.91	-145.70	-84.87
75	54	207	4.81	3.49	-6.59	-5.88	2.78	2.58	387.90	-397.69	376.52	-386.31	-93.86
		111	4.97	-5.07	-24.72	-6.94	-22.86	5.76	424.01	-373.38	405.07	-354.44	-121.43
		253	3.77	7.37	-8.56	6.83	-8.02	-2.88	424.64	-125.80	405.22	-106.38	-101.56
		205	3.52	3.10	-7.67	1.72	-6.29	3.60	426.47	-127.17	421.75	-122.45	-50.91
75	81	207	14.06	5.62	-37.38	-29.26	-2.49	16.83	1090.45	-1184.39	1079.21	-1173.15	-159.51
		111	13.12	-18.35	-91.88	-40.82	-69.40	33.87	1117.46	-1032.22	1098.82	-1013.57	-199.32
		253	10.03	9.45	-43.99	9.37	-43.91	1.97	549.51	-903.40	534.04	-887.94	-149.09
		205	9.84	12.64	-3.32	11.82	-2.50	-3.50	572.99	-1037.81	558.65	-1023.47	-151.31
75	113	207	9.21	4.33	-21.16	-17.08	0.24	9.35	717.66	-774.74	707.27	-764.35	-124.11
		111	8.81	-12.10	-56.27	-23.12	-45.25	19.12	750.18	-687.37	732.53	-669.72	-158.29
		253	6.59	8.06	-25.30	8.05	-25.29	-0.60	481.23	-495.67	465.56	-480.00	-122.73
		205	6.43	6.58	-4.52	6.58	-4.51	0.18	494.17	-564.25	484.96	-555.04	-98.30
76	18	229	6.37	33.90	-26.43	5.83	1.64	30.09	599.94	-179.00	199.39	221.56	-389.31
		267	4.84	28.61	-24.44	8.00	-3.84	25.85	464.41	-83.43	150.53	230.45	-270.99
		269	5.22	25.08	-18.66	5.10	1.32	21.79	557.59	-91.83	215.84	249.93	-324.26
		230	4.87	27.75	-24.79	-1.16	4.12	26.14	475.96	-74.64	213.44	187.88	-275.00
76	41	229	4.39	22.95	-18.43	3.68	0.83	20.64	425.06	-109.70	149.10	166.25	-267.25
		267	3.31	19.38	-17.00	5.41	-3.03	17.70	327.65	-41.15	113.54	172.96	-181.99
		269	3.58	16.72	-12.73	3.46	0.53	14.66	393.45	-51.22	157.76	184.47	-221.93
		230	3.30	18.58	-17.02	-1.03	2.59	17.71	333.86	-34.14	158.20	141.52	-183.81
76	52	229	2.38	9.26	-11.30	-0.47	-1.58	10.26	286.68	19.73	143.69	162.73	-133.14
		267	1.70	7.72	-10.33	1.52	-4.13	8.58	216.90	68.11	115.15	169.87	-69.18
		269	1.90	5.48	-6.68	1.03	-2.22	5.86	258.07	41.14	133.33	165.88	-107.24
		230	1.55	6.54	-9.02	-2.12	-0.36	7.73	206.95	79.17	144.36	141.75	-63.88
76	54	229	2.05	6.41	-10.24	-1.57	-2.27	8.32	264.71	48.88	146.82	166.77	-107.45
		267	1.48	5.25	-9.36	0.54	-4.65	6.83	201.03	92.01	118.63	174.41	-46.84
		269	1.63	3.16	-5.71	0.47	-3.02	4.08	236.06	62.45	131.54	166.96	-84.98
		230	1.30	4.07	-7.61	-2.47	-1.06	5.80	185.08	106.29	145.41	145.97	-39.39
76	83	229	6.73	45.86	-21.45	18.99	5.42	32.97	547.98	-281.89	124.94	141.15	-414.86
		267	5.56	42.35	-17.30	21.90	3.15	28.31	456.34	-212.90	99.05	144.38	-333.85
		269	5.94	37.86	-16.14	17.78	3.94	26.10	531.06	-229.87	158.95	142.25	-380.37
		230	5.92	41.12	-21.39	13.97	5.75	30.99	505.48	-205.48	173.36	126.64	-354.71
76	115	229	4.16	24.86	-15.60	7.82	1.44	19.97	398.80	-107.22	137.09	154.49	-252.86
		267	3.24	22.58	-13.23	10.30	-0.95	17.00	319.18	-49.21	109.73	160.24	-182.45
		269	3.54	19.37	-10.68	8.42	0.27	14.47	374.45	-74.19	144.77	155.49	-224.26
		230	3.31	21.38	-14.08	5.08	2.22	17.68	336.41	-40.78	158.89	136.75	-188.27
77	18	230	5.40	29.91	-23.16	1.56	5.18	26.47	525.21	-120.40	194.15	210.66	-322.70
		269	5.63	23.40	-19.75	2.75	0.90	21.55	600.84	-121.63	208.27	270.94	-359.87
		363	3.30	22.85	-10.93	2.90	9.02	16.61	223.80	-180.94	95.41	-52.56	-188.36
		362	2.78	19.60	-23.90	-9.69	5.39	20.40	94.98	-176.32	51.33	-132.67	-99.68
77	41	230	3.66	20.10	-15.93	0.88	3.29	17.98	368.01	-65.16	144.36	158.49	-216.47
		269	3.86	15.65	-13.48	1.89	0.28	14.54	422.67	-70.65	151.62	200.41	-245.45
		363	2.25	14.95	-7.00	2.12	5.84	10.82	150.47	-131.71	64.99	-46.23	-129.67
		362	1.89	12.98	-16.16	-6.85	3.67	13.59	63.87	-124.67	38.26	-99.06	-64.60
77	52	230	1.71	7.52	-8.64	-0.89	-0.22	8.07	226.60	65.17	134.12	157.65	-79.85
		269	2.01	5.39	-7.07	0.49	-2.18	6.08	270.68	36.74	125.11	182.31	-113.42
		363	1.13	3.61	-1.33	1.69	0.59	2.41	60.81	-114.86	29.72	-83.77	-67.04
		362	1.03	4.07	-7.31	-4.57	1.33	4.86	36.02	-98.47	35.20	-97.65	-10.51

77	54	230	1.42	4.95	-7.38	-1.36	-1.06	6.17	202.67	95.05	135.73	161.99	-52.18
		269	1.71	3.28	-6.04	0.16	-2.92	4.40	245.88	60.62	122.65	183.85	-87.42
		363	0.99	1.83	-0.76	1.69	-0.62	0.58	44.36	-117.29	22.68	-95.61	-55.09
		362	0.96	2.40	-5.66	-4.15	0.89	3.14	35.62	-100.77	35.61	-100.76	1.05
77	83	230	5.27	40.69	-18.51	15.13	7.05	29.32	475.76	-131.99	169.47	174.30	-303.86
		269	5.26	33.55	-4.03	17.85	11.67	18.53	591.48	-111.41	187.69	292.38	-347.53
		363	4.56	30.39	-15.45	6.81	8.12	22.91	322.67	-238.11	75.61	8.95	-278.41
		362	4.24	32.62	-23.53	-0.02	9.11	27.70	214.82	-239.76	64.11	-89.05	-213.99
77	115	230	3.11	21.71	-12.65	6.20	2.85	17.10	331.11	-11.22	152.00	167.90	-170.98
		269	3.31	17.52	-5.31	8.27	3.94	11.21	408.16	-19.68	153.69	234.79	-210.04
		363	2.56	15.00	-7.37	4.05	3.58	11.18	168.19	-166.60	48.08	-46.48	-160.58
		362	2.27	16.42	-13.80	-2.22	4.85	14.69	100.96	-146.87	49.27	-95.18	-100.69
78	4	268	11.26	8.56	-9.19	1.30	-1.93	-8.73	1851.65	557.46	1642.47	766.64	-476.41
		274	13.19	5.42	-8.30	0.55	-3.43	-6.57	2149.69	529.56	1626.27	1052.98	-757.66
		263	10.35	5.38	-7.57	2.95	-5.14	-5.06	1762.11	799.14	1406.05	1155.21	-464.86
		306	9.68	9.71	-6.47	6.45	-3.21	-6.49	1614.97	683.88	1479.78	819.07	-328.02
78	34	268	8.10	5.80	-6.25	0.92	-1.37	-5.91	1336.38	413.83	1192.03	558.18	-335.16
		274	9.47	3.66	-5.63	0.38	-2.35	-4.44	1548.19	392.26	1175.97	764.48	-540.10
		263	7.43	3.63	-5.13	2.01	-3.50	-3.40	1267.16	586.66	1015.54	838.28	-328.50
		306	6.95	6.56	-4.40	4.40	-2.23	-4.36	1163.72	504.80	1072.35	596.17	-227.72
78	47	268	6.39	2.39	-2.75	0.57	-0.94	-2.46	1078.32	378.73	988.72	468.33	-233.79
		274	7.41	1.37	-2.32	0.10	-1.05	-1.75	1234.94	349.31	957.82	626.43	-410.65
		263	5.83	1.31	-2.13	0.78	-1.60	-1.24	1004.72	500.62	817.75	687.60	-243.51
		306	5.45	2.59	-1.97	1.90	-1.28	-1.64	930.87	448.07	879.35	499.59	-149.06
78	54	268	5.87	1.99	-2.35	0.50	-0.86	-2.06	992.37	358.92	914.89	436.39	-207.55
		274	6.78	1.13	-1.96	0.09	-0.92	-1.46	1133.25	333.15	882.48	583.92	-371.15
		263	5.34	1.10	-1.80	0.68	-1.37	-1.03	919.60	474.01	753.51	640.10	-215.46
		306	5.00	2.17	-1.68	1.62	-1.14	-1.34	855.23	423.52	813.17	465.57	-128.02
78	60	268	8.28	4.03	-5.74	0.05	-1.76	-4.80	1406.53	550.50	1349.32	607.72	-213.79
		274	10.11	4.68	-3.84	-0.34	1.18	-4.20	1710.50	635.07	1481.37	864.20	-440.35
		263	8.16	3.46	-4.11	-0.86	0.21	-3.75	1398.41	715.17	1180.89	932.69	-318.28
		306	7.58	3.11	-5.36	-0.09	-2.16	-4.11	1300.96	586.85	1264.61	623.19	-156.95
78	92	268	6.91	2.84	-3.79	0.30	-1.25	-3.22	1171.91	446.22	1104.98	513.16	-209.99
		274	8.23	2.61	-2.65	-0.10	0.06	-2.63	1386.82	470.29	1150.13	706.99	-401.14
		263	6.58	1.86	-2.56	-0.07	-0.63	-2.19	1131.27	581.66	944.56	768.37	-260.30
		306	6.14	2.38	-3.18	0.78	-1.59	-2.51	1052.90	497.84	1014.87	535.87	-140.23
79	4	192	8.90	1.26	-9.51	0.93	-9.19	-1.83	1491.23	639.02	655.90	1474.35	-118.73
		157	12.40	-0.18	-15.14	-0.18	-15.13	-0.14	1752.31	-62.09	-62.09	1752.31	0.87
		156	9.00	2.93e-03	-16.03	2.19e-03	-16.03	0.11	1214.44	-111.83	-64.49	1167.10	246.07
		193	7.54	0.96	-9.80	0.95	-9.79	0.27	1246.44	378.89	684.20	941.12	414.32
79	34	192	6.42	0.85	-6.43	0.63	-6.22	-1.23	1076.90	461.06	471.67	1066.29	-80.12
		157	8.93	-0.12	-10.23	-0.12	-10.23	-0.09	1265.82	-44.37	-44.36	1265.81	3.00
		156	6.48	2.85e-03	-10.82	2.32e-03	-10.82	0.08	878.07	-81.25	-46.84	843.66	178.39
		193	5.47	0.65	-6.62	0.65	-6.61	0.19	903.69	269.12	490.51	682.29	302.45
79	47	192	5.12	0.31	-2.69	0.27	-2.65	-0.36	869.67	360.07	367.42	862.32	-60.79
		157	7.03	-0.07	-4.23	-0.07	-4.23	-0.04	1017.05	-33.01	-33.01	1017.05	1.95
		156	5.07	0.03	-4.31	0.03	-4.31	0.04	706.87	-62.84	-39.05	683.08	133.22
		193	4.32	0.27	-2.71	0.25	-2.69	0.22	720.51	214.03	371.97	562.57	234.63
79	54	192	4.73	0.26	-2.23	0.23	-2.19	-0.31	803.52	333.36	337.73	799.15	-45.13
		157	6.49	-0.06	-3.48	-0.06	-3.48	-0.03	941.17	-30.21	-30.16	941.12	7.08
		156	4.69	0.02	-3.56	0.02	-3.56	0.03	655.57	-59.73	-36.36	632.19	127.19
		193	4.06	0.23	-2.24	0.22	-2.23	0.18	675.28	188.55	341.52	522.31	225.95
79	60	192	6.49	-0.32	-5.62	-0.38	-5.56	0.57	1087.73	420.62	444.80	1063.54	124.69
		157	10.18	-0.52	-9.86	-0.59	-9.79	0.85	1525.44	91.94	119.51	1497.87	196.89
		156	8.66	-0.70	-9.87	-0.71	-9.86	-0.27	1325.12	149.18	266.90	1207.39	352.96
		193	6.86	-0.64	-5.60	-0.64	-5.60	-0.12	1121.92	271.78	587.55	806.15	410.78
79	92	192	5.44	-0.06	-3.62	-0.06	-3.62	0.08	918.93	383.11	384.66	917.38	28.76
		157	8.08	-0.27	-6.19	-0.29	-6.17	0.35	1196.32	28.52	35.44	1189.40	89.66
		156	6.39	-0.31	-6.25	-0.31	-6.24	-0.09	948.97	38.48	98.73	888.72	226.34
		193	5.29	-0.18	-3.66	-0.18	-3.66	0.06	872.67	227.61	451.09	649.19	306.95
80	18	356	3.70	36.69	-31.46	21.69	-16.46	28.23	-8.33	-319.95	-139.48	-188.80	-153.85
		355	1.08	16.53	-10.02	9.54	-3.03	11.69	-88.43	-124.79	-117.54	-95.67	14.53
		358	3.25	25.51	-27.66	7.55	-9.70	25.15	122.08	-180.11	-114.59	56.56	-124.52
		267	5.25	25.74	-21.40	5.30	-0.96	23.36	547.23	-92.18	173.95	281.10	-315.18
80	41	356	2.52	25.59	-22.26	15.22	-11.89	19.71	-13.84	-222.11	-97.13	-138.82	-102.03
		355	0.79	11.61	-7.22	6.77	-2.38	8.23	-60.70	-92.25	-83.99	-68.95	13.87
		358	2.25	17.61	-19.69	5.57	-7.64	17.44	84.05	-122.84	-83.40	44.61	-81.27
		267	3.56	17.32	-14.78	3.49	-0.95	15.89	383.27	-42.69	130.86	209.71	-209.30
80	52	356	1.20	14.22	-15.52	8.45	-9.75	11.76	-41.82	-135.61	-54.52	-122.92	-32.08
		355	0.76	7.40	-5.84	4.45	-2.89	5.51	-31.03	-87.11	-62.67	-55.47	27.81
		358	1.39	9.07	-15.35	3.95	-10.22	9.94	58.41	-73.71	-71.11	55.80	-18.37
		267	1.70	6.07	-8.14	0.30	-2.36	6.98	239.87	90.41	130.92	199.35	-66.44
80	54	356	1.18	12.04	-14.81	7.02	-9.79	10.47	-42.84	-127.73	-46.95	-123.62	-18.22
		355	0.78	6.79	-5.86	4.08	-3.15	5.19	-26.38	-89.34	-60.73	-54.98	31.35
		358	1.33	7.54	-15.41	3.60	-11.47	8.66	61.29	-70.90	-70.67	61.05	-5.53
		267	1.47	3.61	-6.98	-0.54	-2.83	5.17	219.93	117.73	134.39	203.27	-37.75
80	83	356	3.27	37.51	-20.00	20.32	-2.82	26.33	52.20	-210.13	-118.49	-39.43	-125.07

		355	2.42	38.78	-3.11	18.84	16.82	20.92	-64.99	-190.98	-132.33	-123.63	-62.85
		358	3.84	44.40	-12.23	23.45	8.73	27.34	127.26	-236.93	-110.73	1.06	-173.30
		267	4.17	38.63	-9.55	18.10	10.97	23.82	423.70	-51.64	92.87	279.19	-218.66
80	115	356	2.03	23.67	-17.22	13.10	-6.65	17.90	-13.33	-153.00	-80.85	-85.49	-69.79
		355	1.27	21.12	-4.35	10.83	5.94	12.50	-76.62	-105.68	-94.87	-87.42	-14.04
		358	2.31	24.09	-13.68	12.70	-2.29	17.33	76.03	-133.02	-89.71	32.72	-84.72
		267	2.58	19.76	-8.41	8.02	3.33	13.89	314.15	38.25	114.85	237.56	-123.55
81	17	99	11.85	17.73	-6.57	-5.88	17.04	4.03	1960.41	548.34	1827.93	680.81	411.72
		169	12.71	-6.34	-34.12	-34.10	-6.36	0.61	358.30	-1639.94	-858.88	-422.76	-975.03
		208	14.39	29.69	-17.47	17.89	-5.68	20.43	1262.92	-1052.92	386.25	-176.25	-1123.25
		170	13.21	8.28	-5.61	7.49	-4.82	3.22	166.05	-1864.97	-851.40	-847.52	-1015.51
81	40	99	7.80	11.18	-4.09	-3.67	10.76	2.49	1274.19	309.07	1196.30	386.96	262.88
		169	7.99	-3.88	-22.95	-22.93	-3.90	0.73	244.92	-1018.71	-521.24	-252.54	-617.37
		208	9.48	19.92	-11.78	12.02	-3.87	13.71	838.97	-685.91	270.00	-116.95	-737.48
		170	8.43	5.25	-4.37	4.71	-3.83	2.21	114.12	-1184.05	-562.09	-507.84	-648.52
81	48	99	2.43	1.22	-2.52	0.95	-2.25	-0.97	-35.50	-365.81	-39.69	-361.62	-36.96
		169	2.50	2.21	-5.24	-4.50	1.47	2.23	397.46	54.16	303.40	148.22	153.11
		208	0.86	3.58	-2.42	2.33	-1.18	2.43	120.42	13.16	120.34	13.25	-3.03
		170	2.80	-0.90	-4.48	-1.05	-4.33	0.72	378.99	-50.06	-14.68	343.61	118.01
81	53	99	2.42	1.23	-2.50	0.97	-2.24	-0.95	-28.66	-361.82	-32.32	-358.16	-34.74
		169	2.45	2.20	-5.12	-4.38	1.46	2.20	389.97	54.46	297.59	146.85	149.87
		208	0.86	3.50	-2.36	2.28	-1.15	2.37	119.83	11.63	119.73	11.73	-3.28
		170	2.75	-0.91	-4.42	-1.06	-4.27	0.70	371.41	-51.93	-17.74	337.22	115.34
81	58	99	60.67	37.23	-12.80	37.18	-12.75	1.50	8407.73	-975.33	6804.97	627.44	3531.29
		169	48.44	42.81	-0.74	35.95	6.13	-15.87	7613.01	1060.91	7412.29	1261.62	1129.09
		208	10.14	4.98	-11.19	-3.53	-2.68	-8.07	863.29	-811.95	47.93	3.41	837.33
		170	43.16	-4.51	-30.01	-9.27	-25.25	9.94	3618.29	-3751.90	116.25	-249.86	3680.55
81	94	99	27.00	16.39	-5.31	16.38	-5.31	0.33	3696.92	-514.63	2990.82	191.47	1573.28
		169	22.49	15.50	-0.61	12.15	2.74	-6.53	3551.15	478.13	3435.46	593.82	584.93
		208	4.57	1.15	-3.30	0.12	-2.27	-1.88	455.20	-312.84	98.34	44.02	383.06
		170	19.61	-2.04	-15.25	-4.25	-13.04	4.93	1732.60	-1614.29	45.18	73.14	1673.39
82	9	343	5.11	0.09	-3.17	-3.17	0.08	-0.16	386.92	-490.44	140.67	-244.18	-394.22
		325	4.90	1.07	-3.03	-2.80	0.84	0.95	571.22	-232.88	534.68	-196.34	-167.47
		318	6.82	0.25	-3.11	-3.09	0.23	-0.24	730.02	-421.45	717.63	-409.06	-118.81
		346	5.76	0.10	-3.55	-3.54	0.10	0.13	-127.38	-914.02	-158.89	-882.51	-154.27
82	35	343	3.64	0.06	-2.17	-2.16	0.05	-0.13	286.86	-339.37	120.64	-173.15	-276.52
		325	3.57	0.73	-2.03	-1.89	0.59	0.61	424.51	-159.67	399.67	-134.83	-117.87
		318	4.93	0.14	-2.09	-2.08	0.12	-0.16	533.58	-297.75	525.47	-289.64	-81.69
		346	4.15	0.12	-2.35	-2.35	0.12	0.02	-57.54	-643.47	-79.08	-621.93	-110.26
82	50	343	2.77	0.12	-0.69	-0.68	0.11	-0.10	286.60	-188.19	220.35	-121.94	-164.51
		325	3.05	0.29	-0.46	-0.46	0.29	4.05e-03	424.95	-54.14	408.83	-38.03	-86.38
		318	3.81	-0.02	-0.39	-0.38	-0.03	0.06	455.49	-183.91	453.99	-182.41	-30.90
		346	3.69	0.34	-0.37	-0.23	0.20	-0.29	247.89	-384.68	231.18	-367.97	-101.46
82	54	343	2.66	0.12	-0.68	-0.67	0.11	-0.10	278.13	-175.74	214.51	-112.12	-157.57
		325	2.91	0.28	-0.46	-0.46	0.28	8.73e-03	407.38	-47.63	391.33	-31.58	-83.93
		318	3.63	-0.01	-0.38	-0.38	-0.02	0.05	435.13	-172.10	433.66	-170.63	-29.84
		346	3.53	0.31	-0.37	-0.23	0.18	-0.27	243.72	-362.50	227.19	-345.97	-98.74
82	60	343	6.08	-0.03	-3.52	-3.28	-0.27	0.88	14.43	-899.20	-310.91	-573.86	-437.49
		325	2.36	-0.02	-2.15	-1.91	-0.26	0.67	-10.27	-354.02	-85.79	-278.51	-142.32
		318	5.27	-0.48	-3.75	-3.59	-0.64	0.69	567.02	-316.48	566.78	-316.24	-14.50
		346	7.91	-0.11	-3.52	-3.39	-0.24	0.65	528.29	-815.94	376.15	-663.80	-425.87
82	92	343	3.86	-6.02e-03	-1.88	-1.82	-0.07	0.34	152.15	-483.35	-16.12	-315.07	-280.40
		325	2.29	0.12	-1.17	-1.09	0.04	0.31	215.84	-172.78	182.23	-139.16	-109.24
		318	4.34	-0.21	-1.86	-1.79	-0.29	0.34	492.55	-234.73	491.85	-234.03	-22.50
		346	5.38	-6.53e-03	-1.63	-1.62	-0.02	0.14	362.79	-555.15	293.30	-485.66	-242.82
83	18	182	10.82	1.04	-6.78	1.03	-6.77	0.25	1443.50	-268.36	2.17	1172.97	-624.44
		185	13.83	-1.55	-9.56	-1.57	-9.54	-0.39	1713.19	-564.55	87.21	1061.43	-1029.44
		213	17.20	-1.11	-10.11	-1.80	-9.42	2.39	2050.35	-795.39	139.20	1115.75	-1336.47
		183	10.42	-0.89	-9.04	-1.03	-8.91	1.04	1324.56	-341.78	-178.40	1161.17	-495.54
83	41	182	7.48	0.73	-4.65	0.73	-4.64	0.17	1002.90	-175.75	-2.54	829.69	-417.32
		185	9.30	-1.07	-6.54	-1.07	-6.54	-0.11	1175.65	-343.84	89.48	742.34	-686.05
		213	11.85	-0.67	-7.09	-1.21	-6.55	1.78	1431.40	-521.30	123.61	786.48	-918.37
		183	7.35	-0.65	-6.37	-0.74	-6.28	0.71	939.41	-233.38	-124.03	830.06	-341.00
83	52	182	4.75	0.39	-1.42	0.39	-1.42	0.09	673.05	-59.64	-25.90	639.31	-153.57
		185	4.22	0.07	-2.41	-0.28	-2.05	0.87	669.43	112.69	273.88	508.24	-252.50
		213	7.07	0.33	-3.11	-0.25	-2.54	1.28	978.84	-123.70	289.06	566.07	-533.59
		183	5.53	-0.40	-2.91	-0.42	-2.89	0.24	742.27	-132.19	-74.65	684.72	-216.82
83	54	182	4.36	0.34	-0.50	0.34	-0.50	0.06	626.62	-44.89	-31.70	613.43	-93.17
		185	3.35	0.71	-1.73	-0.09	-0.94	1.15	567.52	228.17	328.57	467.12	-154.88
		213	6.19	0.65	-2.25	0.02	-1.62	1.19	900.27	-31.76	338.92	529.59	-456.16
		183	5.26	-0.39	-1.94	-0.40	-1.93	0.11	718.11	-112.72	-64.82	670.20	-193.67
83	83	182	12.90	0.60	-8.23	0.56	-8.20	0.58	1644.15	-448.79	138.12	1057.24	-940.16
		185	12.77	-0.39	-9.73	-0.70	-9.42	1.67	1685.29	-352.73	466.47	866.09	-999.23
		213	15.80	-0.66	-10.20	-0.69	-10.17	0.59	2001.05	-585.73	489.28	926.04	-1274.82
		183	13.84	-0.84	-9.73	-0.85	-9.71	-0.41	1746.74	-517.34	116.87	1112.53	-1016.71
83	115	182	7.90	0.46	-4.14	0.45	-4.12	0.29	1058.33	-194.46	42.42	821.46	-490.56
		185	7.57	0.01	-5.33	-0.37	-4.95	1.38	1091.69	-43.74	389.04	658.91	-551.45

		213	10.68	-0.16	-5.82	-0.31	-5.66	0.92	1417.52	-293.45	404.10	719.97	-840.78
		183	8.97	-0.61	-5.59	-0.61	-5.59	-0.13	1168.34	-277.35	13.77	877.22	-579.76
84	4	173	4.09	19.27	-8.74	-7.19	17.72	6.40	-248.91	-611.31	-372.15	-488.07	-171.68
		205	8.05	12.62	-15.69	9.49	-12.55	8.88	876.36	-422.12	823.91	-369.68	-255.63
		210	9.85	10.75	-14.06	10.54	-13.85	-2.29	945.60	-648.70	711.49	-414.58	-564.31
		174	6.78	20.51	6.44	13.53	13.42	-7.03	705.74	-368.26	294.32	43.16	-522.11
84	34	173	2.75	12.89	-5.99	-4.96	11.85	4.29	-165.68	-414.37	-260.12	-319.92	-120.69
		205	5.56	8.57	-10.81	6.45	-8.69	6.05	618.13	-275.30	584.24	-241.41	-170.68
		210	6.89	7.29	-9.74	7.14	-9.58	-1.61	678.07	-437.61	508.99	-268.53	-400.07
		174	4.62	13.86	4.34	9.21	8.99	-4.76	485.88	-244.71	195.42	45.75	-357.55
84	47	173	1.66	5.57	-2.51	-1.98	5.04	2.00	46.76	-216.05	-170.35	1.06	-99.61
		205	3.27	4.36	-5.77	3.21	-4.62	3.21	448.95	-53.39	410.01	-14.45	-134.34
		210	5.13	3.01	-4.86	3.00	-4.84	-0.39	597.25	-241.67	421.00	-65.42	-341.75
		174	3.11	5.48	1.26	3.88	2.86	-2.05	339.65	-164.45	97.30	77.90	-251.86
84	54	173	1.39	4.18	-2.07	-1.72	3.83	1.44	35.75	-182.33	-144.87	-1.72	-82.26
		205	2.75	3.51	-5.36	2.50	-4.35	2.82	383.78	-25.96	365.62	-7.80	-84.32
		210	4.29	2.46	-4.47	2.43	-4.44	-0.41	517.92	-177.79	367.48	-27.35	-286.41
		174	2.32	4.00	0.87	2.97	1.90	-1.47	263.96	-109.36	59.35	95.25	-185.79
84	86	173	8.58	-3.15	-24.51	-9.57	-18.09	-9.80	797.99	-639.78	-392.50	550.71	-542.57
		205	5.08	18.29	-2.68	3.89	11.72	-9.73	556.99	-179.48	117.70	259.81	-361.32
		210	7.85	9.49	-2.06	-1.56	8.99	2.37	1054.58	-180.81	562.53	311.25	-604.78
		174	9.34	-7.38	-21.97	-8.00	-21.35	2.94	1217.03	-206.23	281.51	729.28	-675.50
84	102	173	3.75	-2.27	-9.25	-5.47	-6.05	-3.48	386.30	-232.45	-93.23	247.07	-258.38
		205	3.89	3.94	-0.96	1.48	1.49	-2.45	483.24	-143.51	411.66	-71.94	-199.34
		210	5.95	1.24	-0.14	0.72	0.38	0.67	677.23	-330.38	448.45	-101.60	-422.11
		174	4.96	-1.62	-8.46	-1.62	-8.46	0.15	653.92	-126.70	157.21	370.01	-375.53
85	4	174	12.18	24.86	-7.09	8.63	9.14	15.97	-446.66	-1974.27	-1841.46	-579.48	430.41
		210	21.37	20.86	-7.84	15.85	-2.84	-10.90	2772.25	-549.85	1739.21	483.19	-1537.76
		224	30.36	19.38	-34.17	11.87	-26.67	18.59	1569.55	-3327.05	1324.55	-3082.04	1067.55
		103	55.91	54.17	-14.35	12.14	27.67	-33.37	6916.16	-2025.73	4038.92	851.51	-4177.25
85	34	174	8.17	16.81	-4.85	5.90	6.06	10.83	-285.04	-1321.85	-1243.23	-363.66	274.48
		210	14.76	14.16	-5.48	10.77	-2.09	-7.43	1915.40	-380.19	1201.58	333.63	-1062.59
		224	21.01	13.16	-23.48	8.04	-18.36	12.69	1120.64	-2276.97	957.70	-2114.03	725.99
		103	38.21	36.78	-9.87	8.19	18.72	-22.73	4688.84	-1439.78	2724.73	524.33	-2859.99
85	47	174	5.04	6.37	-3.04	1.99	1.35	4.69	37.99	-725.60	-723.87	36.27	-36.25
		210	9.45	5.62	-2.50	4.56	-1.43	-2.74	1197.05	-317.29	785.89	93.87	-673.48
		224	11.26	5.81	-10.50	3.74	-8.44	5.42	880.15	-991.31	811.09	-922.25	352.82
		103	21.84	15.00	-4.40	4.25	6.35	-9.65	2352.93	-1301.26	1563.33	-511.66	-1503.95
85	54	174	3.73	4.86	-2.38	1.75	0.73	3.59	77.53	-503.90	-499.48	73.10	-50.52
		210	7.52	4.41	-2.51	3.64	-1.74	-2.18	960.56	-241.33	621.06	98.17	-541.09
		224	9.73	4.53	-9.26	2.84	-7.57	4.52	779.04	-840.96	733.71	-795.63	267.19
		103	16.76	11.77	-3.92	2.98	4.87	-7.79	1743.42	-1067.86	1075.83	-400.27	-1196.29
85	69	174	7.29	2.03	-12.18	-2.32	-7.83	6.55	-51.26	-1081.27	-579.71	-552.83	-514.83
		210	8.51	1.44	-8.62	1.44	-8.62	-0.06	1213.41	-110.96	725.25	377.20	-638.91
		224	16.33	3.88	-17.21	0.91	-14.23	7.34	1983.40	-647.28	1849.08	-512.96	579.05
		103	29.85	3.46	-7.52	-0.52	-3.54	-5.28	3123.22	-1954.02	2143.62	-974.42	-2003.52
85	101	174	4.51	3.61	-6.78	-0.06	-3.11	4.96	-64.33	-674.44	-535.79	-202.97	-255.67
		210	7.92	2.86	-5.18	2.67	-5.00	-1.20	1070.52	-178.72	667.34	224.46	-584.05
		224	12.59	4.22	-12.97	1.98	-10.73	5.78	1324.97	-752.31	1242.39	-669.73	405.87
		103	22.82	7.94	-5.41	1.44	1.10	-6.67	2388.86	-1471.96	1573.38	-656.49	-1575.88
86	4	274	13.42	5.32	-8.28	-0.31	-2.66	-6.69	2177.87	503.36	1561.90	1119.34	-807.49
		222	15.22	1.79	-6.79	-0.18	-4.82	-3.61	2351.38	173.79	950.35	1574.82	-1043.06
		191	11.55	1.72	-8.52	0.61	-7.41	-3.18	1922.63	527.15	810.74	1639.04	-561.54
		263	10.40	5.35	-7.53	2.42	-4.60	-5.40	1769.62	782.48	1353.48	1198.61	-487.46
86	34	274	9.63	3.59	-5.61	-0.20	-1.82	-4.53	1568.59	373.46	1130.04	812.00	-576.02
		222	10.93	1.20	-4.59	-0.12	-3.27	-2.43	1693.03	132.32	685.08	1140.28	-746.43
		191	8.31	1.16	-5.77	0.42	-5.02	-2.14	1385.14	385.16	584.37	1185.94	-399.40
		263	7.47	3.61	-5.10	1.65	-3.14	-3.64	1272.45	574.59	978.12	868.92	-344.63
86	47	274	7.55	1.37	-2.30	-0.08	-0.85	-1.80	1251.87	334.22	923.25	662.84	-439.97
		222	8.63	0.24	-1.88	-0.16	-1.49	-0.82	1349.33	122.15	551.63	919.85	-585.32
		191	6.63	0.33	-2.44	0.12	-2.23	-0.73	1108.18	315.40	465.19	958.39	-310.35
		263	5.86	1.31	-2.10	0.65	-1.44	-1.34	1008.95	490.36	789.16	710.15	-256.27
86	54	274	6.90	1.13	-1.95	-0.06	-0.75	-1.50	1148.87	319.41	851.02	617.26	-397.92
		222	7.89	0.22	-1.58	-0.12	-1.24	-0.70	1238.50	122.31	505.42	855.40	-529.95
		191	6.07	0.30	-2.03	0.12	-1.85	-0.62	1018.62	298.42	427.82	889.22	-276.49
		263	5.36	1.10	-1.78	0.56	-1.24	-1.12	923.19	464.58	727.78	659.99	-226.79
86	59	274	12.84	2.19	-7.70	-2.12	-3.39	-4.90	2031.16	288.98	1641.14	678.99	-726.20
		222	14.17	-1.65	-10.12	-3.14	-8.63	-3.22	2191.68	160.46	1337.12	1015.02	-1002.76
		191	10.13	1.41	-10.87	-0.55	-8.90	-4.51	1607.09	227.78	811.86	1023.02	-681.53
		263	8.66	5.94	-6.21	0.51	-0.79	-6.04	1413.41	395.11	1073.21	735.31	-480.30
86	91	274	9.46	1.64	-4.58	-0.97	-1.96	-3.07	1534.18	311.40	1202.77	642.81	-543.51
		222	10.47	-0.58	-5.43	-1.45	-4.55	-1.87	1639.90	160.11	875.80	924.21	-739.49
		191	7.63	0.81	-5.99	-0.17	-5.01	-2.39	1259.43	282.95	595.93	946.46	-455.70
		263	6.74	3.20	-3.71	0.54	-1.05	-3.36	1136.92	433.48	878.99	691.40	-338.98
87	4	289	9.58	6.24	-3.71	1.92	0.61	4.93	1386.95	-72.07	1382.30	-67.42	82.24
		262	10.64	3.53	-5.62	1.70	-3.79	3.66	1444.94	-234.28	1444.93	-234.28	2.70
		255	8.95	2.98	-5.23	0.25	-2.49	3.87	1281.84	-108.77	1245.75	-72.68	-221.09

		294	8.06	4.98	-4.09	-0.09	0.98	4.50	1220.81	26.47	1217.25	30.03	65.12
87	34	289	6.86	4.25	-2.55	1.30	0.40	3.37	997.52	-42.99	993.46	-38.93	64.87
		262	7.59	2.41	-3.82	1.15	-2.56	2.50	1034.93	-162.88	1034.89	-162.84	6.78
		255	6.37	2.05	-3.55	0.16	-1.67	2.65	916.82	-71.12	891.85	-46.15	-155.06
		294	5.77	3.41	-2.81	-0.06	0.66	3.09	877.62	26.93	874.71	29.84	49.67
87	47	289	5.17	1.93	-1.34	0.65	-0.07	1.60	770.90	1.01	764.94	6.97	67.47
		262	5.64	1.13	-1.73	0.54	-1.14	1.16	777.38	-111.69	776.94	-111.24	19.93
		255	4.71	1.05	-1.61	0.13	-0.70	1.26	684.13	-41.57	665.83	-23.27	-113.78
		294	4.36	1.65	-1.43	0.04	0.18	1.54	674.10	45.95	671.32	48.72	41.66
87	54	289	4.73	1.67	-1.17	0.56	-0.06	1.39	711.80	14.01	705.19	20.62	67.60
		262	5.14	0.98	-1.46	0.45	-0.93	1.01	714.70	-93.35	714.05	-92.70	22.89
		255	4.28	0.93	-1.37	0.10	-0.54	1.11	628.70	-24.98	612.59	-8.86	-101.37
		294	3.98	1.46	-1.26	0.03	0.17	1.36	622.87	57.22	620.04	60.06	39.95
87	60	289	7.70	1.19	-1.84	-0.79	0.15	-1.44	1191.32	90.64	1175.46	106.50	131.16
		262	7.90	-0.33	-3.51	-1.11	-2.73	-1.37	1192.24	16.67	1186.88	22.03	79.20
		255	5.97	-0.62	-2.71	-0.97	-2.35	-0.79	937.08	92.06	934.98	94.16	-42.05
		294	6.05	0.88	-1.15	-0.69	0.42	-0.85	956.48	121.54	942.41	135.61	107.46
87	92	289	6.01	0.03	-0.09	-0.08	0.02	0.04	924.36	48.71	913.83	59.24	95.45
		262	6.35	-0.25	-1.72	-0.26	-1.70	-0.13	926.08	-44.28	923.75	-41.96	47.43
		255	4.99	-0.32	-1.36	-0.37	-1.32	0.21	761.80	28.91	753.96	36.75	-75.40
		294	4.87	0.40	-0.42	-0.28	0.27	0.31	768.57	86.98	761.39	94.16	69.61
88	11	280	1.79	-4.40e-03	-3.06	-3.00	-0.07	-0.45	218.72	-58.69	201.01	-40.98	67.81
		284	4.25	0.05	-2.66	-2.66	0.05	-0.08	563.12	-108.69	560.64	-106.21	40.74
		243	3.32	0.08	-2.79	-2.58	-0.13	-0.74	509.12	48.92	505.30	52.74	-41.75
		235	2.40	-0.13	-2.43	-2.22	-0.34	-0.66	404.42	153.77	366.35	191.84	-89.96
88	37	280	1.41	-0.03	-2.05	-2.01	-0.07	-0.29	173.32	-47.25	160.49	-34.42	51.63
		284	3.11	0.03	-1.79	-1.79	0.03	-0.06	411.95	-81.33	410.29	-79.67	28.59
		243	2.43	0.06	-1.87	-1.73	-0.08	-0.50	370.49	30.53	368.12	32.91	-28.31
		235	1.74	-0.09	-1.64	-1.50	-0.23	-0.44	293.29	108.93	272.02	130.20	-58.90
88	50	280	2.02	-0.07	-0.24	-0.23	-0.09	0.05	260.21	-71.51	245.25	-56.55	68.83
		284	2.70	9.43e-03	-0.22	-0.22	8.82e-03	-0.01	357.64	-81.11	356.22	-79.69	24.92
		243	2.10	0.04	-0.12	-0.11	0.03	-0.03	311.44	-4.98	311.43	-4.98	1.46
		235	1.71	-0.03	-0.18	-0.18	-0.03	-0.02	278.14	54.49	278.09	54.54	3.27
88	54	280	1.95	-0.07	-0.23	-0.22	-0.08	0.04	253.74	-65.13	239.72	-51.11	65.38
		284	2.58	0.01	-0.22	-0.22	0.01	-0.02	342.83	-75.21	341.44	-73.81	24.09
		243	2.01	0.04	-0.11	-0.10	0.03	-0.03	299.51	-3.20	299.50	-3.19	1.91
		235	1.66	-0.03	-0.17	-0.17	-0.03	-0.03	271.68	54.43	271.64	54.47	2.73
88	77	280	3.66	0.45	-3.27	-1.18	-1.64	1.85	563.80	35.27	563.56	35.52	11.33
		284	5.18	0.60	-2.31	-1.16	-0.54	1.42	681.71	-155.20	679.44	-152.93	-43.53
		243	4.08	0.41	-2.61	-1.08	-1.11	1.51	550.70	-100.98	546.18	-96.47	-54.05
		235	3.16	0.46	-3.40	-1.19	-1.75	1.91	520.90	142.10	510.50	152.49	-61.88
88	109	280	2.61	0.10	-1.54	-0.67	-0.77	0.82	382.53	-15.87	378.54	-11.89	39.64
		284	3.68	0.20	-1.08	-0.65	-0.23	0.60	486.27	-109.40	486.17	-109.30	-7.72
		243	2.90	0.11	-1.15	-0.57	-0.47	0.63	407.61	-45.97	406.26	-44.62	-24.70
		235	2.29	0.09	-1.53	-0.65	-0.79	0.80	378.27	95.85	375.52	98.60	-27.72
89	11	243	3.43	0.08	-1.97	-1.96	0.08	-0.09	527.99	51.43	521.98	57.43	-53.17
		251	4.18	-0.03	-1.88	-1.88	-0.03	-0.01	607.39	-21.30	586.30	-0.21	-113.21
		199	3.73	0.09	-2.06	-1.93	-0.04	-0.51	551.37	-2.84	521.51	27.02	-125.12
		200	3.66	0.05	-1.82	-1.67	-0.10	-0.50	564.18	44.64	530.63	78.19	-127.69
89	37	243	2.50	0.06	-1.32	-1.32	0.06	-0.07	383.43	32.49	379.64	36.29	-36.30
		251	3.02	-0.01	-1.26	-1.26	-0.01	-0.02	437.56	-18.34	422.51	-3.29	-81.46
		199	2.68	0.07	-1.37	-1.28	-0.02	-0.35	395.33	-3.62	374.58	17.13	-88.59
		200	2.63	0.04	-1.21	-1.10	-0.06	-0.35	404.58	30.31	382.56	52.32	-88.06
89	50	243	2.12	0.03	-0.13	-0.12	0.02	-0.04	316.26	-1.85	316.22	-1.80	-3.68
		251	2.22	0.04	-0.09	-0.08	0.03	-0.03	317.05	-29.01	310.31	-22.27	-47.79
		199	1.87	0.07	-0.02	0.02	0.02	-0.04	276.04	-8.94	269.00	-1.91	-44.22
		200	1.97	0.09	-0.04	0.04	0.02	-0.06	302.41	13.48	299.08	16.81	-30.83
89	54	243	2.03	0.03	-0.13	-0.11	0.02	-0.05	304.09	-0.16	304.06	-0.13	-3.02
		251	2.11	0.04	-0.09	-0.08	0.03	-0.04	301.45	-26.41	295.36	-20.32	-44.26
		199	1.78	0.07	-0.02	0.03	0.02	-0.05	263.00	-7.78	256.66	-1.44	-40.94
		200	1.90	0.09	-0.04	0.04	0.02	-0.06	291.53	13.89	288.49	16.92	-28.87
89	83	243	3.64	-0.43	-2.21	-2.06	-0.57	0.49	571.28	78.36	542.70	106.94	-115.21
		251	3.86	-0.52	-2.19	-2.03	-0.68	0.49	565.55	-8.20	525.56	31.79	-146.10
		199	3.72	-0.56	-2.14	-2.00	-0.70	0.46	550.53	4.65	495.26	59.92	-164.67
		200	3.80	-0.45	-2.11	-1.98	-0.58	0.45	594.50	74.67	536.76	132.40	-163.33
89	115	243	2.72	-0.21	-1.07	-1.03	-0.25	0.19	422.14	40.17	413.73	48.58	-56.05
		251	2.89	-0.24	-1.04	-1.00	-0.29	0.19	421.20	-16.40	400.86	3.94	-92.13
		199	2.65	-0.25	-0.97	-0.93	-0.30	0.17	394.09	0.42	367.42	27.09	-98.93
		200	2.74	-0.22	-0.95	-0.91	-0.25	0.16	427.54	45.81	403.86	69.49	-92.08
90	22	187	8.00	1.24	-8.43	0.13	-7.32	-3.08	1065.13	-165.24	110.80	789.09	513.26
		238	6.80	2.35	-8.40	-1.03	-5.01	-4.99	933.12	-75.47	145.87	711.78	417.43
		246	6.40	1.62	-7.17	-0.55	-5.00	-3.79	877.37	-84.35	21.90	771.12	301.49
		186	8.25	1.75	-6.70	0.71	-5.65	-2.78	1073.03	-220.39	-53.14	905.78	433.99
90	41	187	5.94	0.70	-6.99	0.04	-6.33	-2.16	868.38	28.17	155.59	740.96	301.38
		238	5.05	1.22	-6.48	-0.93	-4.32	-3.46	768.88	100.97	217.88	651.97	253.80
		246	4.31	0.64	-5.51	-0.69	-4.18	-2.54	670.56	117.91	163.72	624.75	152.38
		186	5.50	0.78	-5.71	0.29	-5.22	-1.72	799.78	10.41	65.17	745.02	200.55

90	47	187	4.39	-0.13	-4.74	-0.19	-4.68	-0.52	727.79	260.40	271.42	716.77	-70.91
		238	3.59	-0.61	-3.20	-0.79	-3.02	-0.66	599.95	392.00	398.85	593.10	-37.13
		246	3.24	-1.01	-2.66	-1.05	-2.62	-0.25	552.84	308.41	464.40	396.85	-117.46
		186	4.04	-0.56	-4.57	-0.57	-4.56	0.22	655.20	161.73	316.21	500.72	-228.84
90	54	187	4.18	-0.13	-4.44	-0.17	-4.40	-0.41	690.47	237.17	255.15	672.48	-88.47
		238	3.40	-0.62	-3.02	-0.74	-2.90	-0.52	568.87	363.15	376.19	555.83	-50.12
		246	3.14	-0.98	-2.52	-0.99	-2.51	-0.14	536.41	271.18	446.59	361.01	-125.53
		186	3.92	-0.53	-4.35	-0.55	-4.33	0.29	628.85	130.28	302.28	456.84	-237.00
90	70	187	9.65	-0.20	-7.23	-0.51	-6.92	-1.44	1415.28	-55.43	518.71	841.14	-717.46
		238	7.77	-0.42	-5.08	-0.91	-4.59	-1.42	1202.68	81.69	608.53	675.85	-559.48
		246	10.58	0.35	-6.41	-1.81	-4.25	3.16	1564.40	6.28	1095.33	475.36	-714.73
		186	12.66	0.46	-9.00	-1.63	-6.91	3.93	1789.54	-138.49	999.02	652.03	-948.27
90	102	187	6.17	-0.19	-5.70	-0.33	-5.56	-0.87	976.56	142.48	371.38	747.66	-372.19
		238	4.96	-0.54	-3.94	-0.82	-3.67	-0.93	832.92	256.54	478.57	610.89	-280.49
		246	6.28	-0.64	-4.03	-1.37	-3.30	1.40	995.28	151.00	733.44	412.85	-390.52
		186	7.65	-0.29	-6.26	-1.04	-5.51	1.98	1134.24	19.17	610.46	542.95	-556.52
91	4	283	5.79	3.98	-4.16	-1.36	1.18	3.87	973.40	308.31	972.11	309.60	29.25
		245	6.12	2.38	-4.88	-0.69	-1.81	3.58	1002.02	249.91	929.47	322.46	-222.04
		239	4.74	1.73	-4.06	-1.16	-1.17	2.90	800.06	470.55	733.81	536.79	-132.06
		276	4.63	2.83	-3.72	-1.71	0.82	3.02	786.37	488.65	786.36	488.65	-0.72
91	34	283	4.16	2.73	-2.85	-0.94	0.81	2.65	700.85	227.26	699.77	228.34	22.53
		245	4.37	1.64	-3.31	-0.47	-1.21	2.45	717.06	186.04	666.35	236.75	-156.06
		239	3.39	1.20	-2.75	-0.79	-0.77	1.97	572.86	343.95	527.69	389.13	-91.10
		276	3.34	1.94	-2.54	-1.18	0.58	2.07	568.11	354.10	568.10	354.11	1.32
91	47	283	3.17	1.29	-1.36	-0.37	0.30	1.28	539.82	189.93	539.42	190.33	11.85
		245	3.24	0.85	-1.45	-0.15	-0.45	1.14	538.11	147.33	496.97	188.47	-119.93
		239	2.54	0.69	-1.17	-0.25	-0.24	0.93	432.99	261.31	393.28	301.01	-72.38
		276	2.59	0.99	-1.20	-0.52	0.31	1.02	442.36	275.82	442.23	275.95	-4.64
91	54	283	2.94	1.16	-1.20	-0.33	0.29	1.14	501.88	188.13	501.50	188.50	10.88
		245	2.97	0.78	-1.23	-0.13	-0.32	1.00	497.08	149.60	460.24	186.44	-106.97
		239	2.37	0.64	-0.99	-0.22	-0.12	0.81	402.51	254.25	369.03	287.72	-61.99
		276	2.44	0.90	-1.06	-0.48	0.32	0.89	416.26	263.58	416.14	263.70	-4.19
91	59	283	5.53	-0.08	-2.34	-1.89	-0.53	0.91	932.55	310.69	923.80	319.44	73.24
		245	5.37	-1.98	-4.43	-2.21	-4.19	0.72	893.74	251.71	871.10	274.35	-118.42
		239	3.51	-1.87	-4.01	-1.99	-3.89	0.50	593.90	326.71	565.80	354.81	-81.96
		276	4.09	-0.23	-1.95	-1.73	-0.45	0.57	700.41	368.59	695.56	373.45	39.84
91	91	283	4.08	0.59	-1.69	-1.03	-0.06	1.03	692.12	242.60	688.76	245.96	38.71
		245	4.02	-0.55	-2.55	-1.07	-2.03	0.87	670.49	196.90	642.37	225.02	-111.92
		239	2.87	-0.64	-2.18	-1.02	-1.79	0.67	485.18	287.38	455.49	317.07	-70.64
		276	3.16	0.38	-1.43	-1.04	-0.01	0.74	540.72	310.74	539.63	311.84	15.83
92	4	161	25.75	7.10	3.92	5.16	5.85	-1.55	3571.56	-494.61	2579.77	497.19	-1746.18
		108	12.72	7.10	-7.67	7.10	-7.67	-0.04	236.52	-1754.73	-376.59	-1141.62	-919.21
		160	27.48	-1.77	-7.95	-3.61	-6.11	2.83	3540.36	-935.46	229.97	2374.93	-1964.19
		233	26.31	1.84	-4.52	-2.73	0.05	-2.86	2975.96	-1471.61	985.26	519.10	-2211.54
92	34	161	18.63	4.82	2.63	3.49	3.97	-1.07	2577.38	-370.34	1866.01	341.03	-1261.30
		108	8.94	4.77	-5.22	4.77	-5.22	7.44e-03	139.81	-1250.81	-322.45	-788.56	-655.09
		160	19.76	-1.21	-5.37	-2.44	-4.15	1.90	2559.61	-653.92	188.61	1717.08	-1413.38
		233	18.87	1.22	-3.06	-1.86	0.02	-1.92	2137.16	-1053.35	699.94	383.87	-1587.41
92	47	161	15.03	3.60	1.91	2.69	2.83	-0.84	2101.00	-262.58	1518.91	319.51	-1018.33
		108	6.90	3.46	-3.95	3.46	-3.95	0.09	-7.78	-1027.70	-306.81	-728.68	-464.29
		160	15.88	-1.18	-3.89	-2.03	-3.04	1.26	2067.75	-514.30	170.17	1383.27	-1139.67
		233	14.69	0.73	-1.43	-1.09	0.39	-0.79	1667.97	-823.34	556.45	288.18	-1238.41
92	54	161	13.98	2.70	1.35	1.94	2.11	-0.67	1933.82	-281.61	1405.65	246.56	-944.01
		108	5.91	2.46	-3.01	2.45	-3.00	0.17	-63.66	-913.39	-401.01	-576.04	-415.75
		160	14.50	-0.90	-2.85	-1.47	-2.28	0.89	1919.52	-426.44	210.37	1282.71	-1043.27
		233	13.38	0.48	-1.16	-0.89	0.21	-0.60	1521.13	-748.46	483.70	288.96	-1130.61
92	55	161	56.96	33.99	5.27	30.69	8.57	9.17	8881.70	989.19	8712.85	1158.05	-1142.00
		108	50.44	26.56	-21.90	26.50	-21.84	-1.73	7057.19	-638.10	6373.80	45.29	-2189.03
		160	54.11	-1.41	-31.46	-5.99	-26.88	-10.80	3405.49	-5720.79	349.20	-2664.50	-4307.16
		233	16.41	1.82	-0.16	-0.10	1.77	0.33	1835.29	-955.94	963.32	-83.98	-1293.65
92	96	161	28.07	9.67	3.03	9.04	3.66	1.94	3969.34	-422.65	3106.64	440.04	-1744.91
		108	16.59	8.35	-8.33	8.31	-8.29	-0.75	2464.45	-41.05	1135.21	1288.19	-1250.41
		160	30.56	1.47	-9.38	1.08	-8.99	-2.02	4375.54	-352.20	478.62	3544.71	-1799.35
		233	14.78	0.68	-0.62	-0.49	0.55	-0.39	1664.16	-849.86	610.19	204.12	-1240.50
93	18	121	5.04	27.23	-3.18	-2.39	26.44	4.85	-8.32	-678.29	-675.71	-10.90	-41.51
		302	4.14	50.21	3.09	26.02	27.28	-23.55	379.90	-2.47	135.22	242.21	-183.55
		329	2.20	39.97	-6.57	39.90	-6.50	1.87	72.13	-97.21	-61.01	35.93	-69.42
		102	8.44	100.59	62.79	82.72	80.66	-18.87	-297.89	-994.57	-955.97	-336.49	159.37
93	41	121	3.61	18.37	-1.86	-1.44	17.95	2.87	-4.94	-488.57	-487.53	-5.98	-22.43
		302	2.78	33.76	2.12	17.81	18.07	-15.82	266.42	22.38	111.95	176.85	-117.63
		329	1.44	26.94	-4.53	26.88	-4.47	1.39	50.43	-51.94	-33.53	32.02	-39.32
		102	6.04	67.70	41.63	56.05	53.28	-12.96	-210.01	-726.50	-693.39	-243.11	126.50
93	47	121	2.50	7.43	-1.32	-0.26	6.36	-2.87	25.58	-343.72	-342.18	24.05	23.77
		302	1.60	10.90	-0.36	7.53	3.00	-5.16	220.67	168.61	211.71	177.57	-19.65
		329	0.67	9.14	-2.70	9.01	-2.58	1.21	95.61	45.58	56.13	85.06	20.41
		102	4.35	24.74	4.22	21.76	7.20	-7.23	-95.71	-578.95	-517.04	-157.62	161.51
93	54	121	2.34	6.63	-1.15	-0.04	5.52	-2.72	21.89	-326.70	-324.68	19.87	26.42

		302	1.42	9.13	-0.35	6.56	2.22	-4.22	198.67	158.98	196.65	161.01	-8.73
		329	0.66	7.60	-2.36	7.46	-2.23	1.16	94.89	38.99	56.06	77.82	25.75
		102	4.05	20.83	2.56	18.34	5.05	-6.27	-90.70	-549.11	-489.23	-150.58	154.48
93	60	121	9.91	45.71	5.71	21.65	29.77	19.59	-252.52	-1560.51	-1432.00	-381.03	389.33
		302	6.45	24.46	7.29	22.68	9.07	5.24	-135.28	-934.75	-932.62	-137.42	41.23
		329	10.84	2.67	-19.65	-15.05	-1.93	9.03	-334.92	-1685.58	-1678.57	-341.92	97.03
		102	20.36	32.42	-15.82	-9.27	25.86	16.53	-511.28	-3138.12	-2943.02	-706.38	688.79
93	92	121	5.50	20.59	4.67	9.45	15.81	7.29	-105.67	-860.11	-808.61	-157.17	190.27
		302	2.46	13.61	5.16	13.61	5.16	-0.10	30.65	-298.68	-298.09	30.06	13.91
		329	4.56	2.10	-7.65	-3.35	-2.20	4.84	-100.87	-708.92	-703.43	-106.37	57.53
		102	10.63	15.55	3.30	5.18	13.67	4.42	-275.76	-1702.09	-1581.93	-395.92	396.17
94	18	273	4.32	0.40	-1.30	-1.29	0.39	0.12	608.72	-60.10	516.81	31.81	-230.27
		214	4.00	0.29	-1.26	-1.19	0.22	0.33	527.68	-117.39	296.77	113.53	-309.25
		232	2.56	0.29	-1.56	-1.45	0.17	-0.45	368.82	-28.62	247.53	92.66	-183.01
		215	3.51	0.41	-1.50	-1.20	0.10	-0.69	511.88	-23.96	444.66	43.26	-177.49
94	41	273	3.10	0.27	-0.86	-0.86	0.27	0.07	436.39	-46.10	370.06	20.23	-166.15
		214	2.87	0.20	-0.84	-0.79	0.15	0.21	377.31	-86.03	211.40	79.88	-222.14
		232	1.84	0.20	-1.04	-0.96	0.12	-0.30	264.00	-21.13	176.93	65.94	-131.32
		215	2.51	0.28	-1.00	-0.80	0.07	-0.47	365.83	-18.42	317.99	29.42	-126.86
94	52	273	2.12	0.09	-0.20	-0.20	0.09	-0.03	292.91	-43.75	251.32	-2.16	-110.79
		214	1.85	0.07	-0.17	-0.17	0.07	0.02	239.19	-64.77	133.63	40.79	-144.72
		232	1.18	0.08	-0.21	-0.18	0.05	-0.08	168.93	-15.33	115.23	38.37	-83.73
		215	1.66	0.12	-0.22	-0.13	0.03	-0.14	240.55	-15.94	214.58	10.03	-77.37
94	54	273	1.96	0.05	-0.06	-0.05	0.03	-0.04	268.99	-44.80	231.48	-7.29	-101.80
		214	1.68	0.04	-0.02	-0.02	0.04	-0.02	214.59	-62.06	119.38	33.15	-131.44
		232	1.07	0.05	-8.60e-03	8.18e-03	0.03	-0.03	152.31	-14.55	104.42	33.34	-75.48
		215	1.52	0.07	-0.03	0.02	0.02	-0.05	219.14	-16.16	197.13	5.85	-68.51
94	59	273	4.51	-0.51	-0.95	-0.74	-0.71	-0.22	611.54	-115.36	490.38	5.81	-270.92
		214	4.38	-0.67	-1.20	-0.77	-1.10	-0.20	612.11	-82.50	396.57	133.05	-321.34
		232	3.30	-0.76	-1.20	-0.83	-1.13	-0.16	480.81	-27.25	331.58	121.97	-231.40
		215	3.58	-0.57	-0.93	-0.76	-0.75	-0.18	492.39	-80.09	406.54	5.76	-204.39
94	91	273	3.09	-0.21	-0.45	-0.36	-0.29	-0.12	420.93	-76.11	346.55	-1.74	-177.30
		214	2.88	-0.30	-0.52	-0.36	-0.46	-0.10	391.30	-71.28	242.57	77.44	-216.05
		232	2.06	-0.32	-0.52	-0.37	-0.48	-0.08	298.72	-20.32	205.68	72.73	-145.01
		215	2.43	-0.22	-0.43	-0.33	-0.31	-0.10	340.47	-43.84	290.51	6.13	-129.25
95	4	276	4.63	3.06	-3.90	-1.80	0.96	3.19	785.08	494.91	785.07	494.93	2.18
		239	4.73	1.91	-4.21	-1.06	-1.24	3.06	799.01	476.67	736.10	539.58	-127.75
		237	4.11	1.33	-3.28	-1.26	-0.69	2.29	666.17	533.17	663.38	535.96	-19.07
		277	4.21	2.01	-3.21	-1.73	0.54	2.35	701.99	489.97	700.14	491.82	-19.67
95	34	276	3.34	2.09	-2.66	-1.23	0.67	2.18	567.26	358.52	567.21	358.58	3.47
		239	3.39	1.31	-2.85	-0.73	-0.81	2.08	572.05	348.31	529.29	391.06	-87.97
		237	2.96	0.91	-2.21	-0.86	-0.44	1.55	479.26	385.37	478.38	386.25	-9.07
		277	3.04	1.37	-2.18	-1.19	0.39	1.59	508.80	352.96	508.01	353.75	-11.04
95	47	276	2.59	0.97	-1.19	-0.53	0.31	1.00	441.87	279.12	441.82	279.17	-2.91
		239	2.54	0.67	-1.16	-0.24	-0.24	0.92	432.24	264.74	394.76	302.23	-69.81
		237	2.19	0.51	-0.85	-0.27	-0.08	0.67	353.36	293.67	352.18	294.85	-8.32
		277	2.37	0.67	-0.94	-0.54	0.27	0.70	399.84	267.81	399.34	268.32	-8.18
95	54	276	2.44	0.87	-1.05	-0.49	0.31	0.87	415.77	266.52	415.73	266.56	-2.49
		239	2.37	0.62	-0.98	-0.22	-0.13	0.80	401.73	257.34	370.30	288.76	-59.58
		237	2.08	0.47	-0.71	-0.25	0.01	0.57	336.18	276.68	336.16	276.70	-1.09
		277	2.25	0.61	-0.82	-0.50	0.29	0.60	381.99	250.79	381.65	251.13	-6.66
95	59	276	4.20	-1.23	-2.38	-1.86	-1.75	0.58	704.48	470.15	704.05	470.58	-10.07
		239	4.13	-1.87	-3.85	-1.97	-3.75	0.43	684.21	470.29	659.20	495.30	-68.74
		237	3.46	-1.50	-3.57	-1.57	-3.50	0.37	532.45	476.49	530.77	478.17	-9.55
		277	3.55	-1.15	-2.03	-1.50	-1.68	0.43	577.40	448.61	575.88	450.14	-13.93
95	91	276	3.22	-0.07	-1.64	-1.11	-0.61	0.74	543.44	356.79	543.26	356.97	-5.72
		239	3.14	-0.64	-2.10	-1.01	-1.73	0.64	525.92	352.47	498.10	380.29	-63.66
		237	2.68	-0.60	-1.79	-0.85	-1.54	0.48	422.16	365.50	421.74	365.92	-4.87
		277	2.82	-0.22	-1.32	-0.95	-0.59	0.52	467.80	338.51	467.06	339.25	-9.75
96	11	195	5.17	0.72	-3.79	-0.31	-2.76	1.90	856.60	282.09	400.02	738.67	-232.05
		152	6.39	-4.85e-03	-4.22	-0.02	-4.21	0.22	907.54	-57.12	-42.88	893.30	-116.36
		151	5.96	-0.12	-2.22	-0.12	-2.22	-9.34e-03	863.49	-38.25	-37.13	862.37	31.80
		196	4.24	0.57	-2.41	-0.23	-1.61	1.32	728.55	360.17	375.36	713.36	73.26
96	37	195	3.70	0.50	-2.55	-0.21	-1.84	1.29	614.95	205.27	286.90	533.33	-163.64
		152	4.59	-1.43e-03	-2.81	-9.19e-03	-2.80	0.15	654.06	-40.62	-30.84	644.29	-81.81
		151	4.29	-0.08	-1.45	-0.08	-1.45	-4.17e-03	621.86	-27.82	-26.92	620.96	24.20
		196	3.06	0.40	-1.61	-0.16	-1.05	0.90	526.09	257.07	269.13	514.03	55.67
96	47	195	2.96	0.27	-1.08	-0.07	-0.74	0.59	485.35	118.51	208.57	395.28	-157.89
		152	3.41	0.03	-1.00	0.02	-1.00	0.03	487.40	-35.94	-23.09	474.55	-81.00
		151	3.14	0.02	-0.38	0.01	-0.38	0.03	458.83	-20.01	-19.87	458.69	-8.20
		196	2.24	0.25	-0.67	-0.06	-0.36	0.44	386.02	184.48	184.51	385.99	-2.54
96	54	195	2.71	0.27	-0.85	-0.06	-0.52	0.51	449.15	122.95	195.33	376.77	-135.54
		152	3.21	0.02	-0.69	0.02	-0.69	0.02	461.08	-31.34	-21.63	451.37	-68.49
		151	2.96	0.02	-0.16	0.01	-0.15	0.03	433.07	-19.26	-19.26	433.07	0.23
		196	2.11	0.25	-0.50	-0.06	-0.19	0.37	364.36	175.30	176.03	363.64	11.69
96	59	195	4.86	0.35	-6.43	-0.09	-5.98	1.68	775.78	196.99	299.95	672.83	-221.34
		152	6.13	-0.35	-8.97	-0.50	-8.83	1.10	912.34	77.97	109.72	880.59	-159.64

		151	5.83	-0.69	-8.34	-0.69	-8.34	-0.12	865.89	64.18	69.54	860.53	-65.34
		196	4.06	-0.22	-5.70	-0.23	-5.69	0.26	663.62	239.37	245.23	657.76	-49.51
96	91	195	3.67	0.26	-3.28	-0.08	-2.94	1.04	594.60	154.76	241.58	507.78	-175.07
		152	4.49	-0.15	-4.37	-0.21	-4.30	0.51	660.66	16.91	36.42	641.15	-110.34
		151	4.22	-0.30	-3.79	-0.30	-3.79	-0.04	623.57	18.26	19.80	622.04	-30.44
		196	2.95	-0.10	-2.67	-0.14	-2.63	0.32	494.79	205.45	206.47	493.77	-17.15
97	4	327	7.10	7.10	-3.40	-1.16	4.86	4.30	1006.29	-106.04	930.13	-29.87	280.93
		294	7.95	5.09	-4.12	-0.04	1.01	4.58	1214.71	46.27	1212.83	48.16	46.85
		283	5.84	3.73	-4.15	-1.43	1.01	3.75	977.30	291.18	976.87	291.62	17.28
		316	5.32	5.09	-3.57	-2.15	3.67	3.21	872.92	201.18	758.92	315.18	252.16
97	34	327	5.10	4.85	-2.35	-0.79	3.28	2.97	729.19	-64.38	672.99	-8.18	203.56
		294	5.69	3.48	-2.83	-0.03	0.68	3.14	873.08	41.17	871.47	42.78	36.60
		283	4.20	2.57	-2.84	-0.97	0.69	2.57	703.65	215.14	703.25	215.54	14.02
		316	3.84	3.49	-2.47	-1.48	2.50	2.22	632.61	152.49	550.99	234.11	180.34
97	47	327	3.93	2.23	-1.28	-0.21	1.16	1.61	586.65	1.01	541.84	45.82	155.67
		294	4.30	1.68	-1.41	0.09	0.17	1.54	670.07	57.26	668.45	58.88	31.48
		283	3.20	1.33	-1.38	-0.32	0.27	1.33	542.14	181.12	542.05	181.21	5.82
		316	3.00	1.75	-1.32	-0.62	1.04	1.29	503.61	154.55	451.30	206.86	124.59
97	54	327	3.60	1.97	-1.16	-0.16	0.98	1.46	546.74	20.99	504.56	63.17	142.82
		294	3.93	1.48	-1.25	0.08	0.15	1.36	618.96	67.52	617.25	69.23	30.68
		283	2.96	1.20	-1.22	-0.28	0.27	1.18	504.00	180.32	503.91	180.41	5.38
		316	2.78	1.56	-1.21	-0.56	0.91	1.17	470.04	159.27	423.46	205.85	110.93
97	71	327	5.04	6.09	-4.04	-1.84	3.89	4.18	682.97	-122.88	607.79	-47.71	234.37
		294	5.13	1.69	-5.79	-2.12	-1.98	3.74	741.10	-45.94	722.28	-27.11	120.26
		283	3.75	0.44	-4.87	-2.73	-1.70	2.61	588.37	65.90	569.50	84.77	97.49
		316	3.83	4.97	-3.52	-2.33	3.77	2.95	575.46	7.15	487.76	94.85	205.31
97	103	327	4.22	3.95	-2.48	-0.90	2.37	2.76	606.94	-43.04	550.51	13.39	183.01
		294	4.43	1.65	-3.36	-0.89	-0.81	2.50	671.70	19.24	664.13	26.80	69.83
		283	3.26	0.91	-2.93	-1.40	-0.61	1.88	538.38	132.82	533.16	138.04	45.70
		316	3.20	3.20	-2.28	-1.37	2.28	2.04	516.46	91.29	452.01	155.74	152.48
98	4	262	10.63	3.87	-5.08	1.37	-2.58	4.01	1477.90	-184.54	1477.62	-184.26	21.71
		225	13.27	1.12	-9.04	0.43	-8.35	2.56	1257.43	-993.00	1257.14	-992.70	25.79
		211	11.14	2.30	-6.64	0.75	-5.09	3.38	1257.88	-633.67	1021.61	-397.41	-625.37
		255	8.71	2.62	-5.59	0.07	-3.03	3.80	1246.64	-107.95	1227.95	-89.25	-158.03
98	34	262	7.58	2.63	-3.44	0.92	-1.74	2.73	1058.72	-126.15	1058.37	-125.80	20.27
		225	9.45	0.76	-6.12	0.28	-5.64	1.75	893.21	-710.60	892.88	-710.26	23.21
		211	7.92	1.56	-4.48	0.50	-3.42	2.30	896.93	-447.01	728.19	-278.27	-445.30
		255	6.21	1.80	-3.80	0.04	-2.04	2.60	891.56	-71.77	878.90	-59.10	-109.72
98	47	262	5.59	1.21	-1.47	0.43	-0.70	1.21	796.44	-70.33	795.63	-69.51	26.51
		225	6.96	0.39	-2.69	0.13	-2.43	0.85	630.41	-561.83	628.89	-560.32	42.46
		211	5.88	0.73	-1.83	0.21	-1.31	1.03	663.59	-335.07	529.60	-201.09	-340.38
		255	4.61	0.90	-1.77	-3.11e-03	-0.87	1.27	663.30	-52.11	655.19	-44.00	-75.74
98	54	262	5.11	1.04	-1.25	0.35	-0.57	1.05	732.41	-56.39	731.31	-55.29	29.45
		225	6.32	0.33	-2.23	0.10	-1.99	0.74	574.49	-508.51	572.92	-506.94	41.11
		211	5.32	0.62	-1.51	0.15	-1.04	0.88	606.98	-294.29	484.32	-171.63	-309.04
		255	4.19	0.82	-1.50	-0.01	-0.67	1.11	609.85	-34.77	602.79	-27.71	-67.11
98	64	262	7.83	6.11	-0.97	1.06	4.09	-3.20	1225.99	129.30	1218.85	136.44	88.19
		225	10.03	2.31	-8.28	1.54	-7.51	-2.75	1041.28	-643.93	1026.28	-628.93	158.27
		211	11.13	2.73	-6.75	2.66	-6.68	-0.80	1316.12	-515.92	1126.95	-326.75	-557.48
		255	8.56	4.78	1.25	1.73	4.31	-1.20	1327.78	99.86	1268.59	159.05	-263.02
98	88	262	6.84	0.69	-1.31	0.68	-1.29	-0.15	1023.74	9.86	1021.14	12.46	51.30
		225	8.31	0.59	-3.41	0.57	-3.39	-0.27	857.08	-553.50	849.59	-546.01	102.51
		211	7.43	0.87	-2.51	0.84	-2.47	0.35	942.16	-274.42	881.61	-213.86	-264.58
		255	6.77	0.61	-1.53	0.50	-1.42	0.48	1030.78	42.11	1016.93	55.95	-116.17
99	18	171	7.96	-2.14	-5.68	-5.27	-2.55	-1.13	684.60	-685.38	109.48	-110.26	-676.12
		190	16.29	29.85	-16.30	8.06	5.50	-23.04	1148.28	-1439.54	-75.06	-216.21	-1291.98
		206	16.37	13.58	-24.71	-2.15	-8.98	-18.84	1343.60	-1300.55	274.11	-231.07	-1297.72
		172	7.58	49.81	7.60	10.08	47.33	-9.93	313.91	-902.44	-202.23	-386.30	-601.17
99	41	171	5.42	-1.45	-3.83	-3.49	-1.79	-0.83	487.42	-443.83	73.88	-30.29	-462.71
		190	10.98	20.27	-11.32	5.35	3.60	-15.77	795.31	-947.21	-34.30	-117.60	-870.27
		206	11.36	9.05	-16.81	-1.59	-6.17	-12.72	952.43	-886.26	208.70	-142.53	-902.42
		172	5.20	33.74	5.07	6.72	32.09	-6.67	218.63	-613.24	-146.51	-248.09	-412.82
99	52	171	2.97	0.09	-1.50	-0.75	-0.66	-0.79	376.47	-108.31	28.35	239.80	-218.12
		190	4.30	8.30	-6.04	1.48	0.78	-7.16	430.65	-232.66	79.53	118.46	-331.08
		206	6.26	2.53	-7.16	-1.62	-3.01	-4.80	634.87	-393.67	219.93	21.27	-504.58
		172	2.56	13.68	1.34	1.74	13.28	-2.19	128.50	-277.04	-113.98	-34.56	-198.85
99	54	171	2.86	0.69	-1.02	-0.06	-0.27	-0.84	392.81	-58.58	17.44	316.78	-168.93
		190	2.99	5.68	-4.93	0.61	0.14	-5.30	365.00	-71.75	110.47	182.77	-215.36
		206	5.33	0.99	-5.11	-1.76	-2.36	-3.04	586.68	-292.94	233.28	60.46	-431.24
		172	2.10	9.43	0.35	0.50	9.29	-1.13	118.09	-216.19	-109.62	11.53	-155.78
99	83	171	13.99	23.27	1.90	10.82	14.36	-10.54	612.13	-1650.03	-411.05	-626.85	-1125.92
		190	14.14	20.25	-14.72	7.44	-1.91	-16.85	886.40	-1377.72	-227.30	-264.02	-1131.91
		206	14.76	24.33	-23.92	4.34	-3.93	-23.77	943.16	-1361.41	-47.92	-370.33	-1140.95
		172	12.44	36.85	-6.06	7.89	22.90	-20.10	238.44	-1615.78	-468.03	-909.30	-900.47
99	115	171	7.48	11.36	0.45	5.03	6.78	-5.38	468.88	-764.56	-177.16	-118.53	-616.02
		190	8.05	12.45	-9.51	3.77	-0.84	-10.74	610.97	-676.36	-42.46	-22.93	-643.59
		206	9.68	11.99	-14.03	1.07	-3.10	-12.84	757.01	-790.14	104.67	-137.80	-764.02

100	4	172	6.72	21.59	-1.86	3.88	15.85	-10.08	166.60	-852.89	-273.09	-413.19	-504.91
		101	21.66	24.15	-30.13	-26.44	20.45	-13.67	-991.66	-3554.43	-1192.26	-3353.82	-688.38
		207	12.79	9.79	-18.30	-12.87	4.35	11.10	1286.95	-793.09	1249.11	-755.26	-277.98
100	34	205	8.79	-0.51	-17.89	-1.66	-16.75	4.31	420.29	-1004.70	329.26	-913.66	-348.48
		173	6.38	28.14	13.54	17.50	24.18	6.49	834.15	-69.81	564.27	200.07	413.68
		101	15.13	16.29	-20.70	-18.13	13.72	-9.41	-718.97	-2492.35	-856.60	-2354.72	-474.48
100	47	207	9.08	6.63	-12.56	-8.78	2.84	7.64	922.08	-557.76	897.92	-533.60	-187.54
		205	6.06	-0.41	-12.31	-1.16	-11.56	2.88	297.74	-685.92	236.14	-624.32	-238.33
		173	4.58	19.08	9.11	11.92	16.27	4.48	607.38	-37.93	404.61	164.84	299.56
100	54	101	6.01	7.66	-9.15	-8.61	7.13	-2.95	-539.00	-1009.40	-548.15	-1000.25	-64.97
		207	6.68	1.78	-5.12	-3.61	0.27	2.86	655.98	-469.44	637.33	-450.79	-143.68
		205	2.81	0.60	-6.38	-0.11	-5.66	2.12	258.88	-215.95	214.55	-171.63	-138.14
100	86	173	2.29	8.24	4.96	6.11	7.09	1.56	350.71	111.69	256.16	206.24	116.88
		101	6.27	6.04	-8.36	-7.64	5.33	-3.12	-527.55	-1066.76	-551.27	-1043.04	-110.56
		207	5.95	1.73	-4.86	-3.29	0.16	2.81	612.58	-385.51	602.83	-375.76	-98.14
100	91	205	2.49	0.17	-5.74	-0.29	-5.28	1.58	211.21	-206.38	181.00	-176.18	-108.18
		173	2.58	6.99	3.66	5.07	5.58	1.64	392.03	82.08	256.67	217.44	153.73
		101	11.11	9.06	-17.56	8.78	-17.28	-2.73	1520.53	-72.17	9.98	1438.38	352.27
100	21	207	8.73	21.45	0.10	15.75	5.80	-9.44	1308.39	15.59	1069.57	254.42	501.72
		205	4.85	-4.97	-7.42	-5.13	-7.25	0.61	625.96	-142.25	2.68	481.03	-300.55
		173	16.99	1.68	-28.48	-4.06	-22.74	11.84	2648.91	483.66	484.16	2648.40	32.99
101	40	101	6.89	15.28	-6.03	-5.91	15.16	-1.61	-242.57	-1052.68	-259.63	-1035.62	-116.32
		207	8.83	1.26	-3.57	-2.62	0.31	1.92	1085.51	-361.50	958.70	-234.69	-409.17
		205	2.64	2.49	-3.67	2.41	-3.60	0.68	212.79	-230.89	124.48	-142.59	-177.15
101	50	173	3.79	17.09	9.00	9.75	16.35	2.34	460.19	-100.70	102.00	257.48	269.45
		226	9.87	-2.83	-12.98	-3.88	-11.92	-3.09	689.84	-1004.97	-789.56	474.42	-564.52
		264	6.28	-0.37	-3.30	-2.94	-0.74	0.97	858.92	-147.44	-97.74	809.22	-218.05
101	54	265	7.56	-2.44	-8.71	-5.23	-5.93	-3.11	834.37	-432.63	-23.90	425.64	-592.28
		219	9.96	-5.42	-6.56	-5.72	-6.26	-0.50	1202.21	-459.58	-312.75	1055.38	-471.64
		226	5.70	-2.11	-8.25	-2.61	-7.74	-1.68	428.72	-553.05	-330.47	206.14	-411.07
101	70	264	3.63	-1.35	-2.26	-2.04	-1.58	0.39	574.15	82.52	176.83	479.84	-193.58
		265	5.50	-1.89	-5.67	-3.27	-4.30	-1.82	697.08	-200.46	204.97	291.65	-446.67
		219	6.07	-3.32	-4.86	-3.40	-4.78	-0.35	820.08	-141.78	-33.31	711.61	-304.25
101	77	226	5.43	1.62	-0.85	1.41e-03	0.77	1.18	597.21	-323.23	585.26	-311.27	-104.20
		264	5.61	-0.11	-3.54	-0.28	-3.37	-0.73	733.71	-168.80	713.07	-148.16	-134.91
		265	4.56	1.06	-1.61	0.63	-1.19	0.98	679.51	-3.66	646.78	29.06	-145.89
101	102	219	3.49	1.29	-1.81	1.29	-1.81	-6.91e-03	522.72	20.26	519.23	23.75	41.75
		226	5.30	1.62	-0.84	7.10e-03	0.78	1.17	585.20	-313.16	573.60	-301.56	-101.43
		264	5.48	-0.10	-3.51	-0.26	-3.34	-0.73	719.60	-160.09	699.31	-139.79	-132.07
101	109	265	4.45	1.05	-1.58	0.64	-1.16	0.96	665.98	2.68	634.61	34.04	-140.79
		219	3.41	1.29	-1.78	1.29	-1.78	-0.01	512.66	23.49	508.93	27.21	42.52
		226	19.57	8.14	1.68	3.76	6.06	3.02	1655.23	-1717.66	1632.27	-1694.70	-277.35
102	16	264	15.81	2.82	-1.48	1.80	-0.46	1.83	1926.86	-706.30	1922.92	-702.35	101.80
		265	10.60	7.07	0.79	5.82	2.04	2.50	1615.51	123.92	1493.20	246.24	409.25
		219	17.24	7.18	3.55	6.92	3.81	0.94	1426.98	-1540.29	1279.37	-1392.67	645.15
102	39	226	11.69	4.55	0.31	1.67	3.19	1.98	1055.25	-958.88	1039.31	-942.94	-178.45
		264	9.96	0.71	-2.06	0.64	-2.00	0.42	1240.76	-402.68	1240.38	-402.30	-24.87
		265	6.58	3.77	-0.46	2.97	0.33	1.65	1022.79	115.16	1008.74	129.22	112.08
102	52	219	9.39	3.88	0.72	3.82	0.77	0.40	910.74	-694.52	843.90	-627.67	320.68
		227	12.84	1.87	-0.95	0.55	0.38	1.41	1063.49	-1153.97	966.78	-1057.26	452.88
		110	40.75	4.27	0.42	1.58	3.10	-1.77	4112.64	-2903.82	3369.10	-2160.28	-2159.67
102	77	148	9.80	2.83	-0.55	0.05	2.23	1.29	-222.72	-1567.84	-1522.79	-267.76	-241.99
		220	17.49	2.55	-0.43	0.71	1.40	-1.45	1930.30	-1043.66	1289.57	-402.94	-1222.68
		227	9.15	1.23	-0.61	0.34	0.28	0.92	766.66	-813.74	712.40	-759.48	287.77
102	109	110	27.73	2.80	0.28	1.02	2.07	-1.14	2688.08	-2100.11	2202.97	-1615.00	-1444.80
		148	6.55	1.88	-0.34	0.04	1.51	0.84	-134.89	-1041.79	-993.23	-183.45	-204.16
		220	12.17	1.69	-0.28	0.46	0.94	-0.96	1314.12	-763.03	869.90	-318.81	-851.69
102	18	227	5.92	0.24	-0.13	-0.13	0.24	5.67e-03	593.94	-425.72	591.07	-422.84	-54.08
		110	11.14	0.27	-0.21	-0.09	0.15	0.21	171.76	-1576.58	133.68	-1538.50	-255.21
		148	3.91	0.33	-0.07	-0.06	0.31	-0.07	290.50	-383.73	-45.85	-47.38	-337.12
102	54	220	5.90	0.15	-0.09	-0.09	0.15	0.01	420.98	-594.52	238.72	-412.27	-389.70
		227	5.81	0.33	-0.33	-0.25	0.25	-0.21	601.73	-395.29	581.84	-375.40	-139.43
		110	9.41	0.20	-0.83	-0.37	-0.26	0.51	-384.87	-1563.46	-385.37	-1562.97	24.17
102	77	148	4.61	0.29	-0.30	-0.06	0.06	-0.29	480.75	-309.13	192.87	-21.25	-380.15
		220	4.73	0.13	-0.37	-0.21	-0.03	0.23	214.48	-576.38	87.20	-449.10	-290.62
		227	16.21	-0.35	-6.21	-2.84	-3.72	2.90	-498.97	-2618.60	-2275.74	-841.84	780.50
102	109	110	33.71	-2.76	-13.14	-4.15	-11.75	3.54	-1970.34	-5686.58	-3363.36	-4293.57	1798.97
		148	14.54	-3.56	-11.53	-3.58	-11.50	-0.44	557.44	-1819.75	84.89	-1347.21	948.70
		220	4.96	-2.14	-4.03	-2.21	-3.96	0.36	445.17	-412.59	245.49	-212.90	-362.50
103	18	227	5.20	-0.29	-2.55	-1.37	-1.47	1.13	-353.92	-881.52	-659.38	-576.06	260.49
		110	18.55	-1.18	-6.02	-1.99	-5.20	1.81	-1259.04	-3160.96	-1669.97	-2750.03	782.75
		148	5.16	-1.53	-4.96	-1.57	-4.92	-0.36	195.53	-641.09	146.21	-591.77	197.07
103	212	220	4.75	-0.96	-1.84	-1.07	-1.73	0.29	313.97	-500.03	155.03	-341.09	-322.67
		213	16.14	0.72	-8.78	-1.67	-6.39	4.13	2033.74	-577.68	270.86	1185.19	-1223.06
		272	13.82	-2.97	-8.14	-7.18	-3.92	2.01	1661.10	-632.23	335.97	692.90	-1132.69
103	231	212	17.53	-0.60	-7.05	-6.89	-0.76	-0.99	2107.13	-835.44	720.20	551.49	-1468.86
		231	15.08	-0.82	-16.97	-14.64	-3.14	5.67	1239.97	-1336.02	-477.35	381.30	-1214.34

103	41	213	11.12	0.56	-6.20	-1.16	-4.47	2.94	1419.06	-370.16	217.09	831.81	-840.15
		272	9.50	-1.95	-5.73	-4.94	-2.75	1.54	1162.58	-403.11	275.24	484.22	-775.84
		212	12.10	-0.42	-4.79	-4.72	-0.49	-0.57	1476.17	-549.66	540.87	385.64	-1009.93
103	52	231	10.41	-0.65	-11.82	-10.10	-2.37	4.03	880.29	-896.45	-287.18	271.01	-843.39
		213	6.59	0.60	-2.88	-0.40	-1.87	1.58	959.08	-28.21	361.61	569.25	-482.60
		272	5.72	-0.06	-2.69	-1.58	-1.17	1.30	832.86	-22.04	488.81	322.01	-419.23
103	54	212	7.49	0.04	-1.45	-1.38	-0.03	0.32	1044.14	-136.29	652.47	255.38	-555.82
		231	6.57	-0.45	-4.79	-3.54	-1.70	1.96	742.65	-349.34	193.52	199.78	-545.99
		213	5.78	0.66	-2.12	-0.19	-1.27	1.28	879.37	51.16	408.32	522.21	-410.18
103	85	272	5.20	0.51	-2.24	-0.82	-0.90	1.38	794.26	54.36	555.91	292.72	-345.75
		212	6.78	0.44	-1.16	-0.77	0.05	0.68	982.71	-52.65	698.86	231.20	-461.86
		231	6.07	-0.31	-3.59	-2.13	-1.77	1.63	748.64	-241.14	318.27	189.23	-490.67
103	115	213	16.89	1.48	-10.20	-2.50	-6.22	5.53	2254.32	-406.74	1083.09	764.49	-1320.96
		272	12.89	1.04	-6.00	-2.44	-2.52	3.52	1837.44	-125.68	1218.32	493.45	-912.20
		212	16.48	0.77	-8.80	-5.83	-2.21	4.43	2423.10	-7.79	1886.88	528.42	-1007.95
103	115	231	18.67	0.02	-15.23	-7.89	-7.32	7.62	2452.14	-487.08	1521.37	443.68	-1367.26
		213	8.93	-0.47	-6.45	-1.86	-5.06	2.52	1259.23	-99.18	544.92	615.14	-678.30
		272	10.19	-0.15	-4.01	-2.02	-2.15	1.93	1374.71	-241.11	703.92	429.68	-796.19
104	11	212	11.89	-0.84	-5.32	-4.46	-1.70	1.77	1579.05	-320.64	944.52	313.89	-895.98
		231	9.50	-2.74	-9.60	-6.29	-6.04	3.43	1179.88	-349.92	553.55	276.40	-752.25
		194	7.19	0.72	-5.12	-0.20	-4.20	2.13	1032.65	-47.34	502.72	482.59	-539.90
104	37	153	5.86	0.03	-6.46	0.02	-6.46	0.21	749.44	-178.81	-55.81	626.44	-314.72
		152	6.51	-0.13	-4.10	-0.13	-4.10	0.03	924.33	-62.24	-37.88	899.98	-153.08
		195	5.06	0.70	-3.63	-0.18	-2.75	1.74	843.18	291.02	393.25	740.95	-214.47
104	47	194	5.13	0.50	-3.46	-0.14	-2.82	1.45	739.64	-29.47	360.23	349.94	-384.52
		153	4.20	0.02	-4.33	0.02	-4.33	0.14	538.90	-127.02	-40.66	452.55	-223.72
		152	4.68	-0.08	-2.72	-0.08	-2.72	0.02	666.13	-44.01	-27.04	649.16	-108.44
104	54	195	3.63	0.48	-2.44	-0.13	-1.83	1.19	605.32	211.50	281.90	534.92	-150.89
		194	4.12	0.29	-1.57	-0.04	-1.24	0.71	580.07	-58.38	270.47	251.23	-319.08
		153	3.15	0.02	-1.78	0.02	-1.78	0.03	399.78	-111.53	-34.55	322.81	-182.85
104	54	152	3.49	0.01	-0.99	0.01	-0.99	0.04	498.54	-38.48	-18.58	478.64	-101.44
		195	2.90	0.31	-1.09	-0.06	-0.72	0.61	476.86	123.09	203.25	396.69	-148.10
		194	3.73	0.28	-1.27	-0.04	-0.95	0.62	533.86	-38.42	249.87	245.57	-286.13
104	56	153	2.93	0.02	-1.37	0.02	-1.37	0.03	377.11	-97.50	-32.34	311.95	-163.34
		152	3.28	0.02	-0.68	0.01	-0.68	0.03	471.03	-33.30	-17.45	455.19	-87.97
		195	2.65	0.30	-0.86	-0.05	-0.50	0.53	441.45	127.03	190.51	377.97	-126.21
104	88	194	6.55	-0.23	-4.06	-0.38	-3.91	-0.76	971.83	-19.96	464.47	487.39	-495.76
		153	6.65	-0.11	-6.53	-0.32	-6.32	-1.15	973.99	-20.25	217.82	735.93	-424.29
		152	6.09	-0.41	-5.73	-0.48	-5.66	-0.62	914.48	48.33	107.58	855.22	-218.67
104	88	195	4.35	-0.14	-3.50	-0.14	-3.49	-0.15	707.41	167.95	279.28	596.08	-218.32
		194	4.98	-0.19	-2.25	-0.19	-2.25	-3.73e-04	728.31	-31.71	344.86	351.73	-379.99
		153	4.54	-0.06	-3.62	-0.13	-3.55	-0.50	638.21	-61.79	78.29	498.13	-280.06
105	4	152	4.50	-0.18	-2.90	-0.20	-2.87	-0.27	664.32	3.85	37.46	630.72	-145.13
		195	3.39	-0.07	-1.85	-0.09	-1.82	0.21	557.93	145.17	229.49	473.61	-166.42
		210	11.70	19.18	-14.41	17.45	-12.68	7.43	1127.39	-763.15	1082.07	-717.83	-289.17
105	34	249	9.51	19.56	-18.57	17.68	-16.69	-8.25	1147.57	-225.01	1134.79	-212.23	-131.83
		261	12.79	10.62	-18.24	10.61	-18.23	-0.52	1361.13	-680.46	1351.63	-670.96	138.98
		224	12.79	12.48	-2.69	8.15	1.64	-6.85	1562.55	-511.50	1534.35	-483.29	-240.23
105	47	210	8.16	13.02	-9.96	11.85	-8.79	5.05	802.66	-515.99	769.07	-482.41	-207.75
		249	6.68	13.27	-12.75	11.99	-11.47	-5.62	819.76	-143.05	811.29	-134.58	-89.92
		261	8.94	7.18	-12.58	7.17	-12.57	-0.33	971.86	-452.17	965.24	-445.56	96.81
105	54	224	8.94	8.44	-1.95	5.49	1.00	-4.68	1098.40	-350.43	1080.23	-332.26	-161.25
		210	5.62	5.99	-4.96	5.34	-4.31	2.59	653.74	-259.15	607.85	-213.25	-199.47
		249	4.59	5.68	-6.20	5.34	-5.86	-1.98	636.73	-14.54	632.30	-10.11	-53.53
105	83	261	5.75	3.52	-5.99	3.52	-5.98	0.28	752.89	-131.34	750.77	-129.22	43.29
		224	6.29	3.37	-1.45	2.60	-0.68	-1.77	804.59	-209.32	801.83	-206.57	-52.80
		210	4.72	4.76	-4.64	4.25	-4.13	2.13	564.47	-196.64	524.33	-156.51	-170.10
105	115	249	4.02	4.56	-5.49	4.27	-5.20	-1.69	567.24	1.54	563.99	4.78	-42.72
		261	4.99	2.65	-5.39	2.65	-5.39	0.20	669.09	-90.11	667.17	-88.19	38.09
		224	5.25	2.52	-1.56	1.87	-0.90	-1.50	678.53	-165.39	676.32	-163.18	-43.11
106	18	210	8.24	19.41	-9.75	19.32	-9.66	1.60	293.36	-976.60	164.70	-847.94	-383.19
		249	8.61	19.38	-17.17	18.34	-16.13	-6.07	786.78	-513.36	742.68	-469.26	-235.35
		261	9.29	7.21	-19.76	5.93	-18.49	-5.72	892.40	-577.83	865.83	-551.25	-195.86
106	41	224	10.69	6.58	-8.40	6.00	-7.82	-2.90	892.68	-883.91	850.41	-841.64	-270.78
		210	6.16	11.51	-6.99	11.32	-6.79	1.90	437.39	-560.09	360.31	-483.01	-266.36
		249	6.03	11.53	-11.05	10.88	-10.40	-3.77	665.78	-235.39	646.61	-216.22	-130.03
106	52	261	6.82	4.57	-12.03	4.15	-11.62	-2.59	764.99	-308.86	760.28	-304.16	-70.89
		224	7.67	4.30	-4.78	3.76	-4.24	-2.15	774.71	-501.10	757.28	-483.67	-148.10
		200	4.06	0.14	-2.67	-2.67	0.14	0.03	607.05	19.09	529.71	96.42	-198.72
106	41	199	3.99	-0.16	-2.92	-2.92	-0.16	0.03	580.25	-10.61	530.39	39.26	-164.25
		142	3.74	0.03	-3.36	-3.26	-0.08	-0.59	539.62	-15.81	524.65	-0.84	-89.93
		141	4.13	5.80e-04	-2.69	-2.62	-0.08	-0.46	593.88	-29.12	570.35	-5.59	-118.76
106	52	200	2.88	0.09	-1.77	-1.77	0.09	0.01	432.02	14.45	382.09	64.37	-135.48
		199	2.85	-0.11	-1.94	-1.94	-0.11	0.01	414.69	-8.83	380.62	25.24	-115.19
		142	2.66	0.02	-2.22	-2.15	-0.05	-0.39	384.85	-10.51	374.73	-0.39	-62.42
106	52	141	2.94	2.68e-03	-1.76	-1.71	-0.05	-0.31	423.61	-18.99	408.13	-3.50	-81.33
		200	2.02	0.04	-0.29	-0.28	0.03	-0.06	309.32	15.49	300.76	24.05	-49.42

		199	1.94	-6.08e-03	-0.35	-0.34	-0.01	-0.05	285.59	-8.39	274.26	2.93	-56.58
		142	1.78	0.01	-0.32	-0.30	-6.01e-03	-0.08	264.21	-1.49	261.50	1.22	-26.71
		141	2.07	0.03	-0.16	-0.13	-8.09e-03	-0.07	307.77	-3.28	304.44	0.06	-32.05
106	54	200	1.93	0.09	-0.04	0.04	9.81e-03	-0.06	294.60	11.68	291.30	14.98	-30.38
		199	1.81	0.06	-0.03	0.03	8.61e-03	-0.04	265.64	-9.84	258.16	-2.35	-44.78
		142	1.63	0.13	5.98e-03	0.13	6.01e-03	-1.91e-03	244.64	0.14	243.13	1.65	-19.17
		141	1.95	0.22	2.06e-03	0.22	2.99e-03	-0.01	290.96	-0.62	289.39	0.94	-21.31
106	83	200	3.96	-0.15	-1.94	-1.93	-0.16	0.14	587.42	3.87	536.40	54.89	-164.83
		199	3.83	-0.26	-1.98	-1.96	-0.28	0.18	549.66	-31.75	500.59	17.32	-161.62
		142	3.82	-0.26	-2.08	-2.06	-0.29	0.21	559.57	-8.77	520.38	30.42	-144.00
		141	4.16	-0.16	-1.98	-1.96	-0.18	0.17	616.84	2.57	569.50	49.91	-163.82
106	115	200	2.84	-0.07	-0.89	-0.89	-0.07	0.03	427.03	11.01	404.92	33.13	-93.34
		199	2.73	-0.12	-0.91	-0.91	-0.12	0.05	395.91	-18.41	370.49	7.02	-99.43
		142	2.62	-0.12	-0.91	-0.90	-0.13	0.09	388.55	-0.75	372.50	15.29	-77.39
		141	2.93	-0.07	-0.81	-0.81	-0.08	0.06	438.69	4.76	420.10	23.35	-87.86
107	18	199	4.03	0.20	-2.05	-2.05	0.19	0.13	587.81	-13.01	534.41	40.39	-170.98
		215	3.72	-0.09	-2.20	-2.18	-0.11	0.22	527.12	-39.30	455.29	32.53	-188.49
		143	3.13	0.07	-2.71	-2.61	-0.03	-0.53	450.72	-16.11	435.98	-1.37	-81.63
		142	3.76	0.07	-2.23	-2.13	-0.03	-0.49	545.68	-17.16	529.73	-1.21	-93.38
107	41	199	2.88	0.13	-1.36	-1.36	0.13	0.08	419.78	-10.51	383.31	25.96	-119.84
		215	2.66	-0.06	-1.46	-1.45	-0.07	0.14	376.71	-29.15	325.63	21.93	-134.62
		143	2.23	0.05	-1.80	-1.73	-0.02	-0.35	321.47	-11.30	311.09	-0.92	-57.84
		142	2.67	0.05	-1.47	-1.40	-0.02	-0.33	389.15	-11.45	378.22	-0.52	-65.26
107	52	199	1.95	0.04	-0.23	-0.22	0.04	-0.04	287.50	-8.95	275.33	3.22	-58.82
		215	1.72	-5.66e-03	-0.26	-0.26	-6.10e-03	-0.01	246.57	-20.81	219.45	6.31	-80.72
		143	1.43	0.02	-0.30	-0.28	9.58e-04	-0.07	210.33	-4.34	205.77	0.23	-30.97
		142	1.79	0.03	-0.18	-0.15	-1.86e-03	-0.08	266.79	-2.13	263.15	1.51	-31.07
107	54	199	1.82	0.08	-0.03	0.03	0.01	-0.05	266.87	-10.21	258.84	-2.17	-46.50
		215	1.57	0.05	-0.02	0.02	7.65e-03	-0.03	224.32	-19.86	201.56	2.89	-70.99
		143	1.29	0.07	7.00e-03	0.07	7.00e-03	-4.84e-04	191.07	-2.99	187.59	0.50	-25.76
		142	1.65	0.14	2.11e-03	0.14	3.42e-03	-0.01	246.74	-0.30	244.37	2.07	-24.08
107	67	199	3.88	0.19	-1.39	-1.34	0.14	-0.27	567.08	-20.00	522.11	24.96	-156.13
		215	3.70	0.30	-1.43	-1.37	0.24	-0.31	526.62	-43.85	464.38	18.39	-177.85
		143	3.39	-0.32	-1.60	-1.55	-0.37	-0.25	493.97	-19.64	456.20	18.12	-134.05
		142	3.71	-0.15	-1.49	-1.47	-0.18	-0.19	548.67	-4.45	513.39	30.82	-135.16
107	99	199	2.75	0.10	-0.63	-0.60	0.07	-0.15	402.48	-14.05	378.72	9.71	-96.60
		215	2.54	0.14	-0.65	-0.62	0.11	-0.15	361.99	-30.73	321.25	10.00	-119.74
		143	2.23	-0.14	-0.69	-0.67	-0.16	-0.11	327.80	-9.03	310.13	8.64	-75.09
		142	2.57	-0.06	-0.61	-0.59	-0.08	-0.09	382.29	-0.47	367.08	14.74	-74.77
108	4	242	7.86	4.23	-6.48	3.66	-5.90	-2.42	1303.42	972.32	1234.91	1040.83	-134.12
		192	8.55	1.30	-9.68	1.05	-9.43	-1.63	1435.66	698.22	713.67	1420.21	-105.61
		193	6.71	1.26	-9.91	1.25	-9.90	0.36	1132.13	509.30	743.55	897.87	301.70
		248	7.56	3.64	-5.88	3.60	-5.83	0.65	1288.61	603.45	1253.90	638.16	150.28
108	34	242	5.66	2.86	-4.39	2.48	-4.01	-1.62	935.26	710.00	890.07	755.19	-90.21
		192	6.17	0.88	-6.54	0.71	-6.38	-1.09	1037.41	503.52	513.27	1027.67	-71.47
		193	4.86	0.85	-6.70	0.85	-6.69	0.26	820.38	363.21	532.36	651.23	220.72
		248	5.44	2.47	-3.99	2.44	-3.96	0.46	929.34	437.26	901.06	465.54	114.52
108	47	242	4.49	1.08	-1.89	1.01	-1.82	-0.46	732.21	592.33	702.67	621.87	-57.09
		192	4.93	0.28	-2.72	0.25	-2.69	-0.31	839.91	394.27	400.83	833.36	-53.64
		193	3.83	0.40	-2.76	0.38	-2.74	0.25	653.65	284.71	400.74	537.62	171.30
		248	4.23	1.06	-1.80	1.00	-1.75	0.39	727.02	363.33	694.13	396.22	104.30
108	54	242	4.14	0.91	-1.59	0.85	-1.53	-0.38	667.93	557.97	647.42	578.48	-42.83
		192	4.55	0.25	-2.26	0.22	-2.23	-0.26	776.85	364.39	368.36	772.87	-40.29
		193	3.59	0.34	-2.28	0.32	-2.26	0.21	612.02	254.81	367.23	499.59	165.89
		248	3.92	0.89	-1.51	0.84	-1.46	0.34	675.44	334.32	638.79	370.96	105.63
108	76	242	5.78	2.07	-1.61	-1.51	1.98	0.58	998.58	547.27	885.78	660.06	195.41
		192	6.63	3.36	-1.76	-1.63	3.22	0.83	1128.67	487.40	632.84	983.23	268.54
		193	7.69	3.95	-2.31	-1.53	3.17	2.07	1232.03	221.54	725.75	727.82	505.25
		248	7.08	3.05	-2.71	-1.66	2.01	2.22	1162.47	260.02	967.51	454.98	371.39
108	92	242	5.03	0.14	-2.26	0.12	-2.25	0.19	833.13	626.59	831.44	628.28	18.62
		192	5.48	-0.42	-3.76	-0.46	-3.71	0.37	924.22	569.20	572.33	921.09	33.19
		193	5.12	-0.10	-3.92	-0.29	-3.73	0.83	876.58	373.30	596.84	653.03	250.07
		248	5.31	1.43	-0.50	0.10	0.83	0.89	908.94	361.98	847.97	422.95	172.14
109	11	196	4.22	0.74	-2.64	-0.30	-1.60	1.56	725.15	366.71	376.42	715.44	58.18
		151	6.04	-0.08	-2.39	-0.10	-2.37	0.21	870.32	-46.58	-42.02	865.76	64.49
		150	4.66	-0.07	-0.80	-0.07	-0.80	-0.03	635.46	-106.60	-34.73	563.60	219.46
		197	4.99	0.54	-1.46	-0.24	-0.68	0.97	777.77	74.06	425.77	426.06	351.86
109	37	196	3.04	0.51	-1.76	-0.20	-1.05	1.05	523.22	261.62	269.45	515.39	44.58
		151	4.34	-0.05	-1.56	-0.06	-1.55	0.14	627.05	-33.21	-29.68	623.52	48.16
		150	3.34	-0.05	-0.49	-0.05	-0.49	-0.02	455.04	-78.19	-26.42	403.28	157.87
		197	3.61	0.37	-0.96	-0.17	-0.43	0.65	560.83	49.27	304.46	305.64	255.78
109	47	196	2.24	0.22	-0.67	-0.08	-0.37	0.42	385.93	181.55	182.28	385.20	-12.21
		151	3.15	0.03	-0.39	0.03	-0.39	0.02	461.49	-16.75	-16.48	461.21	11.46
		150	2.27	0.04	-0.01	-2.32e-03	0.03	0.02	315.61	-43.77	-28.09	299.94	73.40
		197	2.15	0.20	-0.36	-0.05	-0.11	0.28	353.56	80.60	191.47	242.69	134.06
109	54	196	2.10	0.22	-0.50	-0.08	-0.21	0.36	363.01	173.47	173.50	362.98	2.39
		151	2.97	0.03	-0.17	0.03	-0.17	0.02	436.43	-16.46	-15.64	435.61	19.26

		150	2.15	0.18	-6.77e-03	-5.37e-03	0.18	0.02	295.01	-46.89	-27.74	275.86	78.62
		197	2.16	0.20	-0.24	-0.05	0.02	0.22	347.49	59.51	186.05	220.95	142.93
109	59	196	3.84	0.32	-4.89	-0.12	-4.45	1.45	640.09	257.92	261.67	636.34	37.65
		151	5.91	-0.05	-6.51	-0.22	-6.34	1.04	904.12	103.25	111.54	895.84	81.03
		150	5.34	-0.51	-6.03	-0.51	-6.03	-0.05	810.52	76.72	132.85	754.40	195.03
		197	4.08	-0.19	-4.27	-0.19	-4.26	0.14	665.51	163.36	318.42	510.44	231.99
109	91	196	2.87	0.22	-2.40	-0.10	-2.08	0.85	485.27	211.32	212.46	484.14	17.62
		151	4.26	-1.77e-03	-2.98	-0.08	-2.91	0.48	643.11	37.03	40.54	639.59	46.04
		150	3.53	-0.23	-2.57	-0.23	-2.57	-0.01	522.78	7.97	42.83	487.92	129.35
		197	2.97	-0.09	-1.90	-0.11	-1.88	0.18	485.85	107.66	244.23	349.28	181.66
110	4	249	10.29	16.97	-19.11	16.19	-18.32	-5.28	1144.92	-409.26	1140.48	-404.83	-82.90
		295	7.29	18.38	-11.90	13.09	-6.62	-11.50	766.75	-412.68	733.98	-379.90	193.85
		288	8.70	12.34	-8.39	8.51	-4.56	-8.04	906.67	-529.95	896.05	-519.34	123.03
		261	10.96	11.17	-10.94	10.20	-9.97	-4.52	1330.75	-389.16	1329.21	-387.62	51.42
110	34	249	7.21	11.50	-13.12	10.97	-12.58	-3.59	818.71	-268.58	815.65	-265.52	-57.64
		295	5.12	12.43	-8.18	8.86	-4.61	-7.80	551.84	-276.41	527.81	-252.38	139.01
		288	6.09	8.32	-5.79	5.75	-3.21	-5.45	650.36	-352.42	642.92	-344.98	86.02
		261	7.70	7.54	-7.57	6.89	-6.92	-3.07	950.21	-253.24	949.07	-252.10	37.02
110	47	249	4.85	5.04	-6.27	4.92	-6.14	-1.19	644.55	-72.78	641.32	-69.55	-48.04
		295	3.50	5.14	-4.00	4.07	-2.94	-2.93	442.77	-108.74	421.85	-87.81	105.37
		288	4.03	3.67	-2.84	2.98	-2.15	-2.01	512.95	-124.25	509.79	-121.09	44.77
		261	5.30	3.50	-3.97	3.35	-3.83	-1.03	740.31	-53.16	739.68	-52.54	22.29
110	54	249	4.22	4.02	-5.60	3.90	-5.49	-1.03	573.44	-44.28	570.90	-41.74	-39.53
		295	3.08	4.12	-3.59	3.17	-2.64	-2.53	400.68	-81.45	381.89	-62.66	93.31
		288	3.50	2.81	-2.59	2.19	-1.97	-1.72	461.85	-85.32	459.17	-82.64	38.21
		261	4.60	2.64	-3.62	2.52	-3.49	-0.89	656.85	-23.10	656.31	-22.56	19.23
110	83	249	8.66	18.45	-19.76	15.10	-16.42	-10.80	745.78	-563.14	687.88	-505.23	-269.14
		295	6.97	25.51	-10.82	16.30	-1.61	-15.80	514.42	-556.73	494.86	-537.16	-143.44
		288	7.45	13.15	-10.50	6.85	-4.19	-10.46	625.92	-577.01	596.40	-547.49	-186.10
		261	8.49	7.45	-18.19	5.96	-16.69	-6.01	829.04	-507.66	798.63	-477.25	-199.32
110	113	249	5.94	7.65	-11.29	6.68	-10.32	-4.18	711.66	-183.11	703.75	-175.20	-83.75
		295	4.53	10.42	-5.52	6.70	-1.80	-6.75	513.52	-211.83	510.39	-208.69	47.55
		288	5.13	5.40	-4.76	3.14	-2.50	-4.23	607.12	-223.84	607.08	-223.79	-6.00
		261	6.27	3.43	-9.74	3.02	-9.33	-2.28	809.97	-151.66	809.37	-151.07	-23.95
111	4	225	14.75	1.09	-9.16	0.81	-8.89	1.65	1696.84	-755.47	1696.75	-755.38	-15.10
		109	31.82	2.65	-11.38	2.64	-11.37	-0.40	1000.05	-4130.45	855.04	-3985.43	-850.29
		154	11.15	-2.22	-10.74	-2.22	-10.74	-0.02	963.02	-950.04	-371.07	384.06	-878.86
		211	14.75	0.70	-5.71	-0.25	-4.76	2.27	1352.79	-1194.48	839.10	-680.78	-1022.07
111	34	225	10.57	0.72	-6.17	0.54	-5.99	1.11	1219.25	-539.00	1219.12	-538.86	-15.47
		109	22.42	1.77	-7.71	1.77	-7.70	-0.24	646.97	-2949.78	550.50	-2853.31	-581.10
		154	7.97	-1.51	-7.24	-1.51	-7.24	-0.03	707.83	-661.36	-236.61	283.08	-633.37
		211	10.39	0.49	-3.87	-0.18	-3.21	1.57	947.19	-847.61	584.92	-485.35	-720.39
111	47	225	7.82	0.24	-2.31	0.21	-2.27	0.29	951.08	-348.21	947.15	-344.29	-71.29
		109	15.76	0.72	-3.45	0.71	-3.44	0.19	56.19	-2317.16	36.32	-2297.29	-216.26
		154	6.44	-0.71	-2.97	-0.71	-2.96	-0.10	676.25	-427.56	-1.28	249.96	-537.42
		211	7.11	0.31	-1.77	-0.17	-1.29	0.88	575.39	-651.71	339.41	-415.73	-483.62
111	54	225	7.24	0.19	-1.90	0.16	-1.87	0.25	875.64	-330.23	872.34	-326.93	-62.97
		109	14.10	0.57	-2.83	0.56	-2.82	0.19	13.11	-2093.15	-5.24	-2074.80	-195.76
		154	5.87	-0.59	-2.40	-0.59	-2.39	-0.11	630.75	-373.35	17.40	240.00	-489.56
		211	6.38	0.30	-1.48	-0.15	-1.03	0.77	519.82	-580.45	302.68	-363.31	-437.91
111	60	225	26.93	7.17	0.96	2.80	5.33	-2.83	4103.88	134.03	4083.15	154.76	286.11
		109	37.27	12.87	3.66	4.15	12.39	-2.06	3228.12	-3197.44	2952.81	-2922.13	-1301.24
		154	22.88	13.60	2.22	2.37	13.46	-1.26	1405.18	-2498.67	-87.93	-1005.56	-1897.23
		211	9.39	1.41	-4.11	1.34	-4.04	0.64	746.25	-867.07	427.63	-548.45	-642.28
111	92	225	15.79	2.48	0.22	1.32	1.38	-1.13	2307.06	-114.91	2303.81	-111.66	88.64
		109	23.43	4.31	1.84	2.16	3.99	-0.82	1433.28	-2563.14	1312.69	-2442.55	-683.65
		154	13.06	4.80	0.64	0.73	4.71	-0.61	958.61	-1292.27	-28.74	-304.92	-1116.94
		211	7.69	0.70	-2.48	0.53	-2.31	0.72	619.82	-708.15	357.15	-445.47	-528.98
112	4	281	3.81	4.39	-6.87	-2.08	-0.40	-5.57	612.09	460.68	571.71	501.05	66.95
		313	3.84	5.72	-4.87	-2.97	3.81	-4.07	583.49	72.38	72.63	583.24	11.32
		308	5.57	3.46	-5.40	-3.80	1.86	-3.41	900.38	172.19	193.01	879.55	121.36
		279	5.43	2.51	-6.86	-2.76	-1.59	-4.65	909.69	377.25	441.86	845.08	173.85
112	34	281	2.80	2.90	-4.75	-1.47	-0.38	-3.79	446.39	352.37	417.53	381.23	43.37
		313	2.82	3.84	-3.36	-2.08	2.56	-2.75	435.10	65.78	65.92	434.96	7.32
		308	4.01	2.28	-3.71	-2.64	1.21	-2.30	653.19	140.18	153.56	639.82	81.74
		279	3.92	1.61	-4.73	-1.93	-1.19	-3.15	659.94	289.42	329.54	619.82	115.13
112	47	281	2.71	0.66	-2.13	-0.62	-0.85	-1.39	429.66	372.88	381.28	421.26	-20.15
		313	2.57	1.23	-1.33	-0.98	0.89	-0.87	427.20	130.29	131.90	425.59	-21.80
		308	3.20	0.46	-1.52	-1.32	0.26	-0.59	548.11	214.06	214.22	547.94	7.40
		279	3.33	-0.07	-2.11	-1.06	-1.12	-1.02	564.93	348.54	348.61	564.86	3.94
112	54	281	2.60	0.42	-2.03	-0.69	-0.92	-1.22	417.27	345.12	350.78	411.60	-19.41
		313	2.47	0.97	-1.29	-1.01	0.68	-0.75	413.35	132.19	133.34	412.20	-17.90
		308	3.02	0.29	-1.43	-1.26	0.13	-0.51	517.86	207.76	207.84	517.79	4.89
		279	3.16	-0.20	-1.98	-1.02	-1.16	-0.89	536.73	326.56	326.57	536.72	-1.37
112	70	281	4.97	0.92	-6.12	-1.73	-3.47	3.41	823.62	610.44	745.53	688.53	102.71
		313	3.33	4.28	-4.21	-1.92	1.98	3.77	555.79	322.88	368.14	510.52	92.16
		308	4.42	3.49	-4.08	-2.05	1.45	3.35	734.27	523.63	629.66	628.23	105.32

		279	6.30	0.39	-6.01	-1.93	-3.68	3.08	1061.53	546.43	773.58	834.39	-255.75
112	102	281	3.62	-0.59	-2.65	-1.17	-2.07	0.93	569.61	495.48	528.41	536.68	36.83
		313	2.71	1.82	-1.99	-1.43	1.26	1.35	461.62	233.83	238.79	456.66	33.26
		308	3.43	1.27	-2.18	-1.62	0.72	1.27	581.64	381.49	395.59	567.54	51.22
		279	4.38	-0.83	-2.90	-1.44	-2.29	0.94	737.97	458.73	525.59	671.11	-119.16
113	9	292	7.04	0.70	-1.75	-1.61	0.56	0.56	868.46	-292.34	859.76	-283.63	-100.13
		266	8.13	0.51	-1.13	-0.96	0.34	0.50	954.36	-411.50	946.03	-403.18	-106.30
		257	7.71	0.51	-1.14	-1.09	0.46	-0.28	896.69	-400.89	836.22	-340.42	-273.51
		300	6.59	0.46	-1.53	-1.47	0.40	-0.36	813.12	-275.98	802.11	-264.98	-108.90
113	35	292	5.09	0.47	-1.18	-1.10	0.39	0.37	629.74	-209.41	623.73	-203.40	-70.77
		266	5.87	0.35	-0.77	-0.66	0.24	0.33	685.85	-301.03	679.97	-295.16	-75.92
		257	5.56	0.35	-0.77	-0.74	0.32	-0.19	644.29	-292.20	600.17	-248.09	-198.41
		300	4.77	0.32	-1.04	-0.99	0.28	-0.24	589.31	-200.07	581.27	-192.03	-79.26
113	48	292	3.76	0.18	-0.31	-0.31	0.18	-0.04	474.18	-147.47	470.92	-144.21	-44.93
		266	4.13	0.19	-0.24	-0.24	0.19	-9.18e-04	457.41	-244.85	453.87	-241.31	-49.76
		257	3.86	0.18	-0.20	-0.20	0.17	-0.04	428.69	-228.54	396.17	-196.03	-142.53
		300	3.61	0.17	-0.24	-0.23	0.15	-0.08	443.10	-157.58	437.42	-151.90	-58.13
113	53	292	3.55	0.18	-0.31	-0.30	0.18	-0.05	449.12	-136.93	445.89	-133.70	-43.40
		266	3.87	0.19	-0.24	-0.24	0.19	-4.15e-03	430.87	-227.37	427.40	-223.90	-47.70
		257	3.63	0.18	-0.20	-0.19	0.18	-0.05	403.69	-213.18	373.16	-182.65	-133.80
		300	3.41	0.17	-0.24	-0.22	0.15	-0.08	419.63	-147.26	414.29	-141.92	-54.76
113	71	292	5.81	-0.14	-2.32	-0.70	-1.76	0.95	832.02	-70.47	831.92	-70.38	9.33
		266	7.00	-0.39	-2.52	-0.70	-2.21	0.75	821.21	-353.75	819.86	-352.40	39.76
		257	6.25	-0.87	-2.65	-1.18	-2.34	0.67	745.15	-305.24	736.66	-296.74	-94.09
		300	5.56	-0.55	-2.50	-1.11	-1.93	0.89	792.23	-76.47	784.06	-68.30	-83.85
113	103	292	4.52	-0.14	-1.05	-0.49	-0.70	0.45	623.72	-96.70	623.17	-96.15	-19.92
		266	5.20	-0.25	-1.12	-0.46	-0.91	0.37	605.13	-273.06	605.03	-272.95	-9.41
		257	4.75	-0.46	-1.16	-0.66	-0.95	0.32	555.80	-246.02	538.54	-228.76	-116.37
		300	4.36	-0.31	-1.12	-0.64	-0.78	0.40	590.73	-109.67	584.21	-103.14	-67.27
114	4	133	10.43	25.98	0.66	1.52	25.12	4.59	-551.72	-1735.97	-1723.17	-564.51	122.45
		349	5.54	20.27	0.34	1.53	19.08	4.72	-163.03	-828.53	-483.98	-507.58	-332.54
		350	12.34	9.10	-1.60	-0.12	7.62	3.69	683.16	-1388.32	606.93	-1312.09	390.00
		104	18.74	31.65	-14.04	-13.64	31.25	-4.24	-1453.40	-3174.58	-2920.86	-1707.12	-610.18
114	34	133	7.38	17.67	0.35	1.10	16.92	3.52	-382.68	-1226.50	-1216.77	-392.41	90.10
		349	3.71	13.71	0.19	1.04	12.86	3.29	-116.17	-556.77	-325.92	-347.03	-220.05
		350	8.62	6.12	-1.11	-4.30e-03	5.01	2.60	494.71	-958.17	435.59	-899.05	287.06
		104	12.96	21.91	-9.55	-9.34	21.70	-2.58	-1013.77	-2197.37	-2024.78	-1186.36	-417.73
114	47	133	5.03	9.65	-2.09	0.85	6.70	5.09	-223.12	-825.98	-815.24	-233.86	79.74
		349	1.72	5.66	-0.54	0.46	4.66	2.28	-62.26	-255.59	-132.27	-185.58	-92.92
		350	5.75	2.78	-1.22	0.65	0.92	2.00	412.78	-569.90	345.33	-502.45	248.46
		104	7.60	13.14	-5.37	-5.33	13.09	0.89	-641.55	-1302.46	-1203.01	-741.00	-236.30
114	54	133	4.46	8.21	-2.08	0.76	5.37	4.60	-191.17	-731.86	-722.22	-200.81	71.55
		349	1.30	4.74	-0.40	0.49	3.85	1.95	-53.22	-192.92	-96.71	-149.43	-64.69
		350	5.02	2.49	-1.16	0.66	0.67	1.83	384.25	-474.25	315.60	-405.59	232.86
		104	6.36	11.35	-4.12	-4.04	11.27	1.09	-548.46	-1094.19	-1014.21	-628.43	-193.00
114	59	133	18.72	11.32	-19.84	-10.47	1.95	-14.29	-834.97	-3047.36	-2993.05	-889.28	-342.33
		349	15.07	19.96	-13.13	-9.63	16.46	-10.18	-859.81	-2478.86	-2387.84	-950.83	-372.93
		350	10.15	17.85	-3.17	1.13	13.55	-8.48	-1109.88	-1722.17	-1697.85	-1134.20	-119.58
		104	19.41	16.65	-13.56	-4.67	7.75	-13.77	-1076.58	-3221.76	-3019.04	-1279.30	-627.52
114	91	133	10.56	5.36	-5.64	-4.14	3.86	-3.78	-496.31	-1743.35	-1733.15	-506.52	-112.34
		349	7.07	10.47	-4.75	-3.93	9.64	-3.45	-444.64	-1177.31	-1116.44	-505.51	-202.22
		350	4.72	7.68	-0.25	0.88	6.56	-2.76	-547.70	-761.28	-579.64	-729.34	76.16
		104	12.12	11.66	-6.20	-4.30	9.75	-5.51	-784.69	-2038.64	-1905.74	-917.59	-385.99
115	4	164	11.47	1.19	-20.65	-20.64	1.18	-0.46	1575.37	-79.55	1560.22	-64.40	-157.60
		163	15.18	-0.73	-13.18	-13.08	-0.83	-1.15	2156.43	-119.43	2115.30	-78.31	-303.15
		223	14.38	4.80	-10.41	-5.56	-0.05	-7.09	2210.30	144.22	1904.94	449.59	-733.26
		221	9.45	3.90	-12.92	-10.59	1.57	-5.81	1508.96	281.32	1405.01	385.27	-341.77
115	34	164	8.33	0.81	-14.11	-14.11	0.80	-0.33	1148.51	-56.56	1138.87	-46.92	-107.33
		163	11.00	-0.49	-8.94	-8.87	-0.56	-0.78	1566.30	-84.77	1538.10	-56.58	-213.90
		223	10.36	3.26	-7.09	-3.78	-0.06	-4.83	1597.36	114.40	1384.52	327.24	-519.93
		221	6.82	2.66	-8.83	-7.17	1.01	-4.04	1092.41	213.65	1024.82	281.25	-234.16
115	47	164	6.95	0.33	-6.33	-6.32	0.32	-0.25	989.33	-41.65	986.32	-38.64	-55.62
		163	9.03	-0.18	-3.46	-3.44	-0.21	-0.28	1307.35	-61.86	1290.88	-45.40	-149.24
		223	8.26	1.46	-3.14	-1.50	-0.18	-2.20	1297.44	136.43	1159.31	274.55	-375.88
		221	5.53	1.34	-4.17	-2.89	0.06	-2.33	908.91	218.52	883.51	243.92	-129.96
115	54	164	6.43	0.28	-5.54	-5.53	0.27	-0.23	917.31	-38.36	915.04	-36.09	-46.52
		163	8.36	-0.15	-3.03	-3.01	-0.17	-0.24	1211.01	-56.32	1196.69	-42.00	-133.96
		223	7.59	1.20	-2.71	-1.33	-0.18	-1.87	1196.30	133.32	1074.04	255.59	-339.14
		221	5.10	1.15	-3.64	-2.49	-3.73e-03	-2.05	838.98	206.71	819.09	226.60	-110.37
115	70	164	9.57	12.10	-4.18	10.32	-2.41	5.07	1322.96	-112.48	1316.76	-106.28	-94.10
		163	11.98	14.18	1.06	13.78	1.46	2.25	1653.19	-162.74	1604.83	-114.37	-292.39
		223	10.21	7.80	-0.32	7.36	0.12	1.85	1518.68	16.01	1333.61	201.08	-493.82
		221	7.11	7.47	-5.78	5.64	-3.95	4.58	1105.55	143.87	1079.13	170.29	-157.17
115	102	164	7.64	2.92	-2.18	1.71	-0.96	2.18	1100.28	-70.97	1096.32	-67.01	-67.93
		163	9.88	4.84	0.38	4.66	0.56	0.88	1409.21	-102.42	1380.83	-74.04	-205.17
		223	8.77	2.68	-0.05	2.66	-0.04	-0.19	1341.73	81.62	1191.87	231.48	-407.90
		221	5.94	1.53	-2.10	1.25	-1.82	0.96	959.78	179.14	937.19	201.73	-130.87

116	4	205	8.43	10.80	-19.72	8.92	-17.85	7.33	706.07	-645.60	672.70	-612.24	-209.73
		253	9.60	14.01	-30.91	13.30	-30.20	-5.62	951.18	-471.97	914.80	-435.59	-224.62
		249	9.87	17.30	-18.87	16.67	-18.24	-4.74	1067.25	-428.15	1067.25	-428.14	-1.91
		210	10.77	17.88	-12.30	17.87	-12.30	-0.40	1259.48	-401.48	1138.96	-280.95	-430.88
116	34	205	5.85	7.31	-13.56	6.06	-12.31	4.96	505.59	-432.83	482.56	-409.80	-145.20
		253	6.70	9.52	-21.13	9.03	-20.64	-3.84	677.60	-315.79	652.90	-291.10	-154.67
		249	6.92	11.72	-12.95	11.29	-12.53	-3.22	765.23	-280.99	765.23	-280.99	-1.70
		210	7.50	12.15	-8.52	12.14	-8.52	-0.29	888.82	-265.37	803.89	-180.44	-301.36
116	47	205	3.45	3.68	-6.70	3.00	-6.02	2.57	409.79	-140.18	379.33	-109.71	-125.80
		253	4.12	4.12	-9.74	3.99	-9.61	-1.33	504.72	-107.56	487.95	-90.79	-99.96
		249	4.66	5.20	-6.05	5.13	-5.98	-0.90	616.01	-72.43	615.70	-72.12	-14.71
		210	5.15	5.36	-4.45	5.36	-4.45	0.21	670.79	-124.73	593.71	-47.66	-235.31
116	54	205	3.00	2.96	-6.06	2.42	-5.52	2.14	361.63	-109.79	341.88	-90.04	-94.44
		253	3.62	3.36	-8.58	3.25	-8.47	-1.14	453.38	-82.82	440.94	-70.38	-80.70
		249	4.06	4.16	-5.43	4.09	-5.36	-0.80	549.54	-43.97	549.29	-43.72	-12.18
		210	4.27	4.28	-4.15	4.28	-4.15	0.21	570.05	-79.24	507.99	-17.17	-190.92
116	81	205	7.19	10.13	-17.33	9.61	-16.82	3.72	613.30	-518.55	576.11	-481.36	-201.76
		253	8.32	8.89	-25.79	8.87	-25.78	0.78	677.65	-595.76	658.58	-576.68	-154.68
		249	9.91	11.38	-22.27	11.12	-22.01	-2.93	961.33	-576.40	957.26	-572.33	-79.01
		210	9.38	13.09	-15.30	12.85	-15.06	-2.60	971.27	-491.89	915.31	-435.93	-280.62
116	113	205	4.95	6.34	-11.42	5.87	-10.95	2.86	479.20	-303.72	452.06	-276.58	-143.22
		253	5.78	5.95	-16.80	5.95	-16.80	-0.26	558.13	-327.43	542.84	-312.14	-115.35
		249	6.71	7.64	-13.53	7.48	-13.37	-1.83	735.34	-297.09	733.56	-295.31	-42.85
		210	6.56	8.49	-9.45	8.41	-9.38	-1.14	747.37	-271.02	692.24	-215.89	-230.45
117	4	328	3.61	22.28	-0.52	12.38	9.38	-11.30	146.58	-348.55	-17.86	-184.11	233.19
		131	4.26	35.29	9.69	14.94	30.05	-10.33	-66.37	-592.72	-551.19	-107.89	141.88
		133	6.86	24.59	0.92	4.16	21.35	-8.13	-359.99	-1108.12	-1009.78	-458.33	252.79
		319	6.50	21.16	-0.53	7.77	12.86	-10.54	178.37	-767.51	-117.19	-471.95	438.42
117	34	328	2.59	15.07	-0.56	8.45	6.06	-7.72	112.86	-248.76	-11.68	-124.22	171.83
		131	3.14	23.79	6.39	10.26	19.92	-7.24	-46.52	-439.40	-408.62	-77.29	105.56
		133	4.99	16.70	0.30	2.77	14.22	-5.87	-255.81	-808.05	-738.85	-325.01	182.84
		319	4.59	14.34	-0.50	5.20	8.65	-7.22	133.33	-538.61	-80.51	-324.77	312.98
117	47	328	2.06	6.10	-1.87	3.97	0.26	-3.53	136.81	-184.96	-2.39	-45.76	159.42
		131	2.85	9.58	0.48	5.35	4.70	-4.54	-22.80	-404.37	-377.39	-49.77	97.80
		133	4.32	7.82	-2.56	1.30	3.96	-5.02	-190.17	-700.21	-655.34	-235.04	144.48
		319	3.13	5.90	-0.52	2.22	3.16	-3.18	131.13	-358.64	-46.18	-181.33	235.38
117	54	328	1.86	5.16	-1.89	3.36	-0.10	-3.07	126.27	-165.49	-2.44	-36.78	144.86
		131	2.67	8.16	8.31e-03	4.68	3.49	-4.03	-23.69	-381.97	-358.18	-47.48	89.20
		133	4.00	6.66	-2.81	0.85	2.99	-4.61	-170.78	-648.51	-610.00	-209.28	130.04
		319	2.76	4.94	-0.82	1.59	2.53	-2.84	120.90	-311.93	-39.15	-151.87	208.95
117	62	328	6.86	6.07	-10.05	-4.79	0.81	7.56	713.32	-387.40	205.56	120.35	548.71
		131	4.66	-5.98	-28.40	-7.41	-26.97	5.48	260.78	-485.07	-234.25	9.96	352.36
		133	6.26	-12.79	-29.32	-14.75	-27.36	-5.34	-46.82	-950.11	-764.11	-232.82	365.26
		319	7.01	3.93	-7.09	-7.08	3.92	-0.31	408.85	-782.55	-181.80	-191.90	595.68
117	89	328	3.20	4.43	0.86	0.87	4.42	-0.17	296.39	-254.08	52.94	-10.64	273.39
		131	2.83	2.03	-2.89	1.22	-2.08	-1.83	45.05	-382.08	-304.92	-32.12	164.33
		133	4.99	1.86	-8.79	-4.19	-2.74	-5.28	-164.07	-808.45	-737.45	-235.08	201.77
		319	4.23	7.23	-4.01	-3.68	6.90	-1.90	141.54	-527.36	-165.71	-220.11	333.34
118	18	235	2.63	-0.04	-3.65	-3.57	-0.12	-0.52	429.98	102.22	293.47	238.73	-161.58
		243	3.06	-0.11	-3.75	-3.69	-0.17	-0.45	479.44	88.02	466.92	100.55	-68.89
		200	3.66	0.08	-4.05	-3.73	-0.24	-1.11	562.43	51.77	505.92	108.29	-160.20
		201	4.27	-0.07	-3.37	-3.08	-0.35	-0.93	656.75	40.58	490.57	206.75	-273.46
118	41	235	1.84	-0.03	-2.45	-2.39	-0.09	-0.35	303.60	81.50	223.68	161.43	-106.60
		243	2.24	-0.07	-2.51	-2.47	-0.11	-0.31	350.13	57.51	342.61	65.03	-46.30
		200	2.62	0.06	-2.69	-2.47	-0.16	-0.75	402.05	36.16	365.81	72.40	-109.29
		201	3.00	-0.04	-2.24	-2.04	-0.24	-0.63	463.42	34.78	357.11	141.09	-185.11
118	50	235	1.73	-0.03	-0.16	-0.16	-0.04	-0.02	281.48	53.72	281.45	53.75	2.54
		243	2.09	0.03	-0.13	-0.12	0.02	-0.04	312.40	-2.13	312.39	-2.13	1.50
		200	1.94	0.08	-0.03	0.04	0.02	-0.05	298.12	14.41	295.66	16.87	-26.30
		201	2.06	0.07	-0.04	0.03	2.15e-04	-0.05	331.23	49.85	323.62	57.46	-45.63
118	54	235	1.69	-0.03	-0.15	-0.15	-0.03	-0.02	274.93	53.70	274.91	53.72	2.06
		243	2.01	0.03	-0.13	-0.11	0.02	-0.04	300.41	-0.48	300.40	-0.47	1.92
		200	1.87	0.08	-0.02	0.04	0.02	-0.05	287.44	14.75	285.22	16.97	-24.52
		201	2.01	0.08	-0.04	0.04	7.30e-04	-0.05	323.32	49.11	316.09	56.34	-43.93
118	79	235	3.25	-0.61	-2.70	-2.49	-0.82	0.63	517.12	100.15	425.42	191.85	-172.70
		243	3.20	-0.45	-2.58	-2.42	-0.61	0.56	483.85	34.54	444.07	74.32	-127.63
		200	3.61	-0.47	-2.54	-2.37	-0.64	0.56	547.47	37.43	471.63	113.27	-181.47
		201	4.17	-0.38	-2.59	-2.40	-0.57	0.62	649.91	77.43	509.34	218.00	-246.40
118	117	235	2.38	-0.15	-1.09	-0.82	-0.43	0.43	387.06	84.35	378.76	92.65	-49.45
		243	2.66	0.03	-0.94	-0.77	-0.15	0.37	404.91	19.53	401.09	23.34	-38.15
		200	2.72	0.04	-0.87	-0.67	-0.15	0.37	419.77	32.71	406.24	46.24	-171.09
		201	2.95	-0.11	-0.98	-0.68	-0.41	0.41	470.84	73.00	442.64	101.20	-102.10
119	16	257	7.31	0.73	-0.94	-0.93	0.71	0.18	881.19	-336.97	840.86	-296.64	-217.94
		220	9.46	0.83	-8.80e-03	-3.96e-03	0.82	-0.06	1013.12	-605.45	773.39	-365.72	-574.93
		198	5.95	1.08	-1.41	-1.18	0.85	-0.72	669.15	-341.36	379.70	-51.92	-456.85
		254	5.92	1.15	-1.38	-0.87	0.63	-1.02	774.31	-195.09	679.66	-100.44	-287.73
119	39	257	5.29	0.50	-0.64	-0.63	0.49	0.11	634.18	-248.50	603.86	-218.18	-160.76

		220	6.75	0.57	-0.03	-0.03	0.57	-0.04	711.93	-446.00	540.51	-274.57	-411.24
		198	4.28	0.73	-0.94	-0.79	0.58	-0.48	480.05	-247.82	270.75	-38.52	-329.45
		254	4.27	0.78	-0.93	-0.59	0.43	-0.69	554.37	-145.48	485.52	-76.63	-208.43
119	51	257	3.82	0.22	-0.26	-0.26	0.22	-0.03	439.40	-205.99	411.79	-178.38	-130.61
		220	4.29	0.29	-0.18	-0.18	0.29	0.01	379.72	-361.29	272.84	-254.42	-260.33
		198	2.88	0.27	-0.20	-0.16	0.24	-0.13	314.10	-178.57	171.80	-36.27	-223.28
		254	2.95	0.26	-0.28	-0.19	0.18	-0.20	364.28	-127.94	317.40	-81.06	-144.50
119	53	257	3.60	0.16	-0.19	-0.17	0.15	-0.06	406.51	-204.77	378.30	-176.56	-128.26
		220	3.86	0.22	-0.22	-0.22	0.21	0.02	309.66	-355.86	214.95	-261.15	-232.51
		198	2.65	0.16	-0.01	-6.56e-03	0.15	-0.04	284.45	-168.77	153.15	-37.48	-205.59
		254	2.73	0.14	-0.12	-0.10	0.11	-0.08	329.63	-129.35	286.18	-85.89	-134.37
119	55	257	9.34	0.07	-1.57	0.01	-1.51	-0.31	1299.95	-174.62	1276.86	-151.53	-183.08
		220	11.13	-0.05	-2.92	-0.06	-2.90	-0.22	1179.66	-717.39	1077.23	-614.97	-428.74
		198	8.72	-0.90	-2.98	-0.92	-2.96	-0.23	785.47	-715.71	510.92	-441.16	-580.32
		254	6.43	-0.76	-1.64	-0.79	-1.61	-0.16	766.54	-313.78	676.43	-223.66	-298.72
119	87	257	6.08	-0.08	-0.63	-0.11	-0.61	-0.12	802.47	-185.69	778.47	-161.68	-152.12
		220	6.94	-0.17	-1.21	-0.18	-1.21	-0.03	687.31	-506.32	595.18	-414.20	-318.56
		198	5.28	-0.41	-1.25	-0.42	-1.24	-0.08	504.99	-405.31	312.26	-212.58	-371.88
		254	4.37	-0.42	-0.69	-0.43	-0.67	-0.06	525.42	-208.86	461.32	-144.75	-207.28
120	18	178	8.42	0.39	-10.40	0.38	-10.39	0.43	1179.80	-70.56	3.36	1105.87	294.90
		187	9.63	1.23	-10.65	-0.21	-9.22	-3.87	1311.37	-144.06	157.38	1009.94	589.79
		186	8.79	1.39	-8.50	-0.02	-7.09	-3.45	1240.93	-61.11	83.33	1096.49	408.90
		179	8.77	0.16	-6.28	0.16	-6.28	-0.01	1216.29	-128.85	-62.77	1150.21	290.72
120	41	178	6.09	0.28	-7.40	0.27	-7.39	0.28	858.06	-40.13	-0.10	818.03	185.35
		187	6.59	0.75	-7.47	-0.16	-6.55	-2.59	923.20	-52.20	127.89	743.12	378.45
		186	5.83	0.83	-6.01	-0.03	-5.15	-2.27	847.81	11.16	84.15	774.82	236.09
		179	6.12	0.09	-4.67	0.09	-4.67	-6.40e-04	853.70	-79.51	-46.16	820.36	173.22
120	47	178	6.02	0.14	-5.87	0.14	-5.87	-0.07	857.81	-30.94	-25.05	851.91	-72.16
		187	4.58	-0.23	-4.83	-0.28	-4.78	-0.48	749.86	230.17	242.46	737.57	-78.97
		186	4.75	-0.26	-4.65	-0.26	-4.65	0.05	736.24	81.38	291.52	526.11	-305.70
		179	4.97	-0.13	-5.61	-0.13	-5.60	0.07	675.81	-80.61	-38.56	633.75	-173.33
120	54	178	5.67	0.14	-5.43	0.14	-5.43	-0.06	807.72	-31.63	-23.28	799.37	-83.34
		187	4.36	-0.24	-4.52	-0.27	-4.48	-0.37	712.65	206.43	227.24	691.84	-100.51
		186	4.67	-0.23	-4.42	-0.24	-4.42	0.13	711.45	49.27	279.46	481.26	-315.34
		179	4.67	-0.14	-5.29	-0.14	-5.29	0.07	630.09	-85.96	-38.36	582.49	-178.37
120	70	178	11.46	-0.52	-9.03	-0.53	-9.01	-0.40	1492.78	-349.39	74.82	1068.56	-775.58
		187	9.61	-0.45	-7.06	-0.54	-6.97	-0.77	1322.21	-196.07	294.11	832.03	-709.90
		186	12.44	0.65	-7.50	0.03	-6.88	2.16	1617.56	-388.01	592.28	637.27	-1002.53
		179	12.32	0.06	-9.24	-0.35	-8.84	1.90	1588.12	-391.16	321.31	875.65	-950.03
120	102	178	7.76	-0.16	-7.09	-0.17	-7.08	-0.21	1066.58	-129.05	19.89	917.65	-394.83
		187	6.30	-0.34	-5.68	-0.40	-5.62	-0.55	956.43	55.20	256.69	754.93	-375.49
		186	8.04	0.09	-5.75	-0.11	-5.55	1.07	1110.80	-142.83	417.28	550.69	-623.26
		179	7.65	-0.11	-7.05	-0.23	-6.93	0.91	1016.72	-185.78	119.92	711.02	-523.59
121	18	272	14.57	-1.87	-6.13	-5.13	-2.87	1.81	1832.29	-559.07	484.90	788.32	-1186.02
		250	12.18	-1.75	-5.73	-5.73	-1.75	-0.15	1562.26	-438.01	587.89	536.36	-999.80
		204	13.12	-0.33	-6.31	-5.96	-0.68	-1.41	1684.12	-476.76	829.42	377.94	-1056.59
		212	15.31	-1.25	-7.49	-7.38	-1.36	0.82	1776.48	-799.12	587.82	389.53	-1283.98
121	41	272	10.03	-1.20	-4.33	-3.52	-2.01	1.38	1281.09	-353.62	377.39	550.09	-812.78
		250	8.41	-1.23	-3.91	-3.91	-1.23	0.02	1094.21	-278.43	443.05	372.73	-685.42
		204	9.08	-0.24	-4.24	-4.04	-0.45	-0.89	1181.74	-307.97	609.78	263.99	-724.51
		212	10.60	-0.85	-5.20	-5.10	-0.96	0.68	1249.30	-525.99	449.20	274.11	-883.32
121	52	272	6.06	0.14	-2.08	-1.05	-0.89	1.10	898.69	0.36	539.60	359.45	-440.04
		250	5.22	-0.28	-1.40	-1.08	-0.60	0.51	771.57	-10.10	522.90	238.56	-364.06
		204	5.80	-0.06	-0.96	-0.96	-0.06	0.03	845.68	-40.33	627.91	177.44	-381.48
		212	6.76	-0.10	-2.07	-1.72	-0.45	0.75	928.47	-137.00	597.25	194.22	-493.15
121	54	272	5.49	0.56	-1.76	-0.50	-0.69	1.16	847.39	72.15	595.35	324.19	-363.13
		250	4.76	0.24	-1.23	-0.48	-0.51	0.74	728.83	42.29	556.97	214.16	-297.41
		204	5.32	0.21	-0.56	-0.37	0.03	0.33	800.31	11.84	650.19	161.96	-309.57
		212	6.21	0.23	-1.74	-1.13	-0.39	0.91	891.44	-59.46	651.12	180.86	-413.24
121	83	272	15.51	-1.43	-7.66	-5.35	-3.74	3.01	2032.52	-454.06	961.53	616.93	-1231.30
		250	13.27	-0.57	-5.86	-5.01	-1.42	1.94	1710.46	-437.79	919.06	353.62	-1036.25
		204	14.29	-0.70	-7.49	-7.01	-1.18	1.74	1868.76	-427.95	1102.95	337.85	-1082.76
		212	16.74	-2.28	-9.60	-8.04	-3.84	2.99	2168.84	-525.35	1111.65	531.84	-1315.53
121	115	272	10.08	-0.45	-4.48	-2.78	-2.14	1.99	1395.61	-176.50	755.43	463.68	-772.40
		250	8.64	-0.26	-3.30	-2.61	-0.95	1.27	1178.94	-182.95	714.74	281.25	-645.52
		204	9.40	-0.26	-3.77	-3.47	-0.55	0.97	1290.02	-188.59	854.73	246.70	-673.90
		212	11.05	-0.99	-5.39	-4.36	-2.02	1.87	1480.67	-272.93	859.82	347.92	-838.61
122	21	217	10.13	1.47	-5.38	1.46	-5.37	-0.28	1213.98	-447.58	-420.79	1187.19	209.27
		258	4.94	1.25	-4.43	0.21	-3.38	-2.20	663.78	-103.68	-100.43	660.53	49.81
		264	5.04	-2.46	-8.14	-2.46	-8.14	0.05	626.23	-171.82	-99.87	554.29	-228.56
		226	12.04	1.91	-4.03	-2.43	0.31	-2.64	1151.15	-907.93	-841.73	1084.95	-363.22
122	40	217	5.78	0.51	-4.46	0.50	-4.46	-0.13	782.33	-111.56	-111.46	782.23	-9.56
		258	2.64	0.21	-3.72	-0.35	-3.16	-1.37	429.63	128.29	129.83	428.09	-21.49
		264	3.22	-1.80	-5.47	-1.81	-5.46	-0.19	482.25	26.68	174.76	334.17	-213.38
		226	6.34	-0.27	-3.13	-1.89	-1.51	-1.42	638.94	-445.83	-363.97	557.08	-286.53
122	48	217	5.94	-1.30	-2.49	-1.32	-2.47	0.17	716.95	-279.30	481.84	-44.19	-423.03
		258	4.29	-1.31	-2.65	-1.40	-2.56	0.34	597.20	-83.08	561.28	-47.16	-152.15

		264	5.36	0.21	-0.89	-0.52	-0.15	-0.52	717.06	-152.35	685.52	-120.82	-162.55
		226	6.41	-0.57	-5.09	-0.80	-4.85	1.01	571.70	-520.49	559.60	-508.39	-114.35
122	53	217	5.84	-1.29	-2.47	-1.32	-2.44	0.17	704.64	-274.17	472.18	-41.72	-416.53
		258	4.21	-1.29	-2.62	-1.39	-2.53	0.34	586.49	-79.39	550.26	-43.15	-151.05
		264	5.23	0.23	-0.88	-0.51	-0.14	-0.52	702.84	-143.96	671.80	-112.92	-159.12
		226	6.27	-0.56	-5.04	-0.79	-4.81	1.00	559.64	-509.15	547.98	-497.49	-111.01
122	70	217	16.05	-0.69	-6.35	-0.69	-6.34	-0.20	1398.98	-1354.58	1272.27	-1227.87	-576.92
		258	15.92	-0.21	-4.91	-0.92	-4.20	1.69	1953.06	-700.68	1906.14	-653.76	-349.74
		264	16.09	4.40	0.77	1.70	3.48	1.58	1938.70	-755.33	1910.10	-726.73	-276.09
		226	19.50	1.46	-3.14	1.31	-2.99	0.83	1671.94	-1683.61	1671.56	-1683.23	-35.60
122	118	217	7.09	-2.20	-4.32	-2.29	-4.24	0.41	437.58	-767.75	306.18	-636.36	-375.64
		258	8.89	-0.73	-3.28	-2.30	-1.71	1.24	1086.98	-392.19	1077.16	-382.37	-120.10
		264	9.88	2.04	-1.21	-1.00	1.84	0.79	1180.86	-465.25	1170.46	-454.85	-130.42
		226	12.14	-0.83	-6.63	-1.32	-6.14	1.61	999.03	-1079.03	995.54	-1075.54	-85.12
123	18	304	10.37	-2.75	-3.79	-3.78	-2.76	0.08	1302.75	-410.91	419.75	472.08	-856.43
		282	8.96	-1.15	-4.49	-3.64	-2.01	-1.46	968.61	-552.05	121.68	294.88	-755.38
		241	9.31	-0.87	-5.96	-5.45	-1.37	-1.52	1194.38	-328.66	399.87	465.85	-760.81
		250	12.12	-1.99	-4.66	-4.56	-2.09	-0.51	1569.13	-421.44	560.45	587.24	-995.19
123	41	304	7.17	-1.91	-2.62	-2.58	-1.95	0.17	913.67	-264.02	328.25	321.39	-588.84
		282	6.14	-0.92	-3.00	-2.49	-1.43	-0.89	673.24	-367.72	105.86	199.66	-518.36
		241	6.39	-0.65	-3.98	-3.67	-0.96	-0.96	833.61	-207.26	303.15	323.20	-520.34
		250	8.37	-1.43	-3.15	-3.11	-1.46	-0.23	1098.46	-266.98	423.44	408.04	-682.67
123	52	304	4.67	-0.32	-1.36	-0.64	-1.05	0.47	668.52	-50.83	451.92	165.77	-329.99
		282	3.30	-0.71	-0.77	-0.76	-0.72	0.03	420.95	-123.35	198.79	98.82	-267.52
		241	3.66	-0.40	-0.85	-0.85	-0.40	-0.02	554.12	13.09	362.42	204.79	-258.78
		250	5.16	-0.32	-1.20	-0.86	-0.66	0.43	768.41	-2.04	506.00	260.37	-365.12
123	54	304	4.39	0.19	-1.27	-0.19	-0.89	0.64	645.62	-16.74	493.76	135.12	-278.43
		282	2.82	-0.14	-0.85	-0.39	-0.60	0.34	378.72	-73.72	224.78	80.22	-214.36
		241	3.25	0.02	-0.55	-0.23	-0.30	0.28	511.79	58.37	386.52	183.63	-202.75
		250	4.70	0.25	-1.16	-0.39	-0.52	0.70	723.06	50.39	540.08	233.38	-299.34
123	83	304	11.09	-0.68	-5.90	-4.04	-2.53	2.50	1460.04	-310.35	699.13	450.57	-876.43
		282	8.94	-1.04	-5.52	-4.24	-2.33	2.03	1079.81	-390.33	432.98	256.50	-729.76
		241	9.56	-1.21	-5.70	-4.79	-2.13	1.81	1276.80	-238.08	651.42	387.30	-745.84
		250	11.89	-0.84	-6.36	-4.93	-2.27	2.42	1627.56	-234.34	805.12	588.10	-924.60
123	115	304	7.39	-0.38	-3.30	-2.00	-1.68	1.45	1013.80	-144.35	583.65	285.79	-559.60
		282	5.65	-0.66	-2.95	-2.20	-1.41	1.08	702.79	-221.90	315.71	165.19	-456.18
		241	6.12	-0.64	-2.90	-2.37	-1.16	0.95	863.80	-78.11	503.96	281.73	-457.65
		250	7.96	-0.37	-3.52	-2.53	-1.36	1.46	1137.50	-76.64	658.12	402.74	-593.49
124	18	212	19.04	0.21	-7.22	-7.18	0.17	0.54	2133.20	-1100.09	571.66	461.45	-1615.70
		204	15.16	-0.73	-5.76	-5.75	-0.74	-0.14	1844.05	-685.89	846.05	312.11	-1236.47
		137	10.35	0.16	-5.33	-5.12	-0.05	-1.04	1321.93	-371.09	1003.24	-52.40	-661.80
		136	11.01	-0.63	-3.90	-3.84	-0.68	-0.42	1228.17	-643.34	731.67	-146.84	-826.26
124	41	212	13.17	0.17	-5.00	-4.96	0.13	0.45	1496.58	-732.72	440.04	323.81	-1113.13
		204	10.49	-0.53	-3.90	-3.90	-0.53	-0.03	1291.03	-452.25	620.87	217.91	-848.03
		137	7.29	0.14	-3.53	-3.39	8.79e-04	-0.70	941.86	-246.39	730.78	-35.31	-454.16
		136	7.73	-0.47	-2.63	-2.59	-0.50	-0.27	878.52	-431.13	550.82	-103.42	-567.26
124	52	212	8.17	0.22	-1.78	-1.65	0.09	0.50	1078.08	-244.22	609.55	224.31	-632.47
		204	6.44	-0.19	-1.06	-0.97	-0.28	0.26	895.88	-119.87	629.94	146.08	-446.55
		137	5.54	0.21	-0.43	-0.38	0.16	-0.17	782.93	-86.01	709.55	-12.63	-241.61
		136	5.93	-0.32	-0.50	-0.49	-0.33	-0.03	782.70	-182.47	677.46	-77.24	-300.82
124	54	212	7.38	0.35	-1.36	-1.08	0.06	0.64	1020.36	-144.44	669.02	206.91	-534.60
		204	5.79	0.09	-0.76	-0.42	-0.25	0.42	836.81	-53.36	650.05	133.39	-362.44
		137	5.37	0.24	0.12	0.15	0.22	-0.05	774.41	-57.20	724.73	-7.51	-197.10
		136	5.85	-0.28	-0.37	-0.34	-0.31	0.04	797.49	-141.96	728.49	-72.95	-245.07
124	83	212	16.36	-0.30	-7.72	-7.44	-0.59	1.43	2011.19	-686.67	1071.99	252.53	-1285.20
		204	14.14	-0.56	-7.01	-6.83	-0.73	1.05	1781.40	-531.65	1059.26	190.49	-1071.85
		137	13.02	-0.14	-3.80	-3.73	-0.22	0.53	1694.00	-419.26	1208.81	65.94	-888.78
		136	14.03	-0.50	-4.33	-4.17	-0.66	0.76	1746.11	-566.77	1208.09	-28.75	-977.20
124	115	212	11.55	-1.94e-03	-4.29	-4.05	-0.24	0.98	1480.35	-401.98	849.62	228.75	-888.50
		204	9.62	-0.32	-3.58	-3.42	-0.48	0.71	1270.82	-276.51	833.55	160.77	-696.71
		137	8.70	0.04	-1.69	-1.66	0.01	0.22	1180.50	-209.67	943.29	27.53	-522.96
		136	9.46	-0.40	-2.20	-2.13	-0.48	0.36	1219.16	-325.76	944.98	-51.59	-590.26
125	18	183	13.60	13.82	-5.17	13.45	-4.80	-2.62	2042.18	25.52	715.00	1352.70	-956.59
		213	14.42	-3.41	-19.10	-9.32	-13.19	7.60	1465.18	-928.11	-348.11	885.17	-1025.53
		231	22.93	5.52	-7.80	-5.26	2.98	5.23	2605.26	-1242.73	285.75	1076.78	-1882.90
		184	12.93	-12.38	-40.06	-23.29	-29.15	13.52	327.95	-1692.10	-1652.91	288.76	278.62
125	41	183	9.44	9.53	-3.72	9.27	-3.45	-1.85	1421.55	21.49	481.93	961.11	-657.75
		213	9.93	-2.23	-13.34	-6.39	-9.18	5.38	1031.20	-610.62	-209.23	629.81	-705.61
		231	15.93	3.65	-5.47	-3.68	1.86	3.62	1825.15	-844.10	231.60	749.45	-1309.27
		184	8.81	-8.60	-27.81	-16.11	-20.29	9.38	236.06	-1146.22	-1124.55	214.39	171.72
125	52	183	6.30	3.33	-2.07	3.20	-1.94	-0.83	931.83	-13.48	169.79	748.57	-373.71
		213	6.02	-0.12	-5.47	-2.03	-3.56	2.57	788.58	-155.79	132.12	500.67	-434.74
		231	10.34	0.69	-2.41	-1.54	-0.18	1.39	1286.09	-418.23	416.13	451.74	-851.97
		184	4.37	-3.28	-10.73	-5.82	-8.19	3.53	232.56	-493.42	-476.64	215.78	-109.08
125	54	183	5.83	2.09	-1.54	1.96	-1.41	-0.68	851.44	-34.26	97.79	719.40	-315.46
		213	5.37	0.41	-3.77	-1.06	-2.30	1.99	757.58	-52.09	220.87	484.62	-382.75
		231	9.37	-0.10	-1.76	-1.02	-0.85	0.83	1200.47	-333.98	473.88	392.60	-766.15

		184	3.95	-2.10	-6.78	-3.75	-5.13	2.24	279.42	-385.13	-330.23	224.53	-182.94
125	85	183	17.21	1.76	-7.55	1.42	-7.22	1.74	2318.20	-414.69	499.75	1403.76	-1289.52
		213	14.66	0.06	-8.89	-1.79	-7.04	3.62	1786.96	-616.48	518.05	652.44	-1199.84
		231	20.89	-2.44	-8.57	-4.76	-6.24	2.97	2469.92	-1012.67	849.24	608.01	-1737.12
		184	16.41	-4.29	-14.84	-7.58	-11.55	4.89	1898.77	-807.76	144.26	946.75	-1292.41
125	117	183	10.93	1.74	-4.25	1.70	-4.21	0.48	1508.30	-210.27	271.75	1026.28	-772.04
		213	9.61	0.19	-6.17	-1.39	-4.59	2.75	1229.78	-312.62	351.05	566.12	-763.67
		231	14.68	-1.25	-5.01	-2.81	-3.45	1.85	1788.54	-643.26	647.95	497.33	-1213.56
		184	9.30	-3.16	-10.66	-5.59	-8.23	3.52	992.57	-554.55	-113.62	551.64	-698.40
126	18	189	9.55	1.33	-19.71	-1.26	-17.12	-6.92	1160.58	-342.91	473.39	344.27	748.97
		244	7.03	4.04	-13.86	-2.48	-7.34	-8.61	992.46	10.81	676.79	326.48	458.51
		240	7.16	2.99	-13.04	-2.39	-7.66	-7.57	1049.16	101.81	417.16	733.80	446.44
		188	9.01	1.45	-14.93	-0.13	-13.34	-4.84	1221.16	-112.80	286.63	821.73	610.97
126	41	189	6.66	0.86	-13.60	-0.87	-11.87	-4.70	835.39	-200.46	345.87	289.06	517.14
		244	4.92	2.65	-9.51	-1.71	-5.16	-5.83	716.04	48.34	495.93	268.46	313.88
		240	5.02	1.92	-8.96	-1.65	-5.39	-5.10	754.57	113.35	316.66	551.26	298.38
		188	6.31	0.94	-10.35	-0.10	-9.31	-3.27	877.03	-38.44	216.80	621.78	410.51
126	47	189	4.45	0.21	-6.00	-0.04	-5.75	-1.23	715.61	180.46	362.60	533.47	253.57
		244	3.52	0.36	-3.69	-0.31	-3.02	-1.51	591.30	359.24	505.86	444.69	111.93
		240	3.74	-0.15	-3.54	-0.62	-3.07	-1.17	623.82	402.57	413.27	613.12	47.47
		188	4.57	-0.07	-5.28	-0.23	-5.12	-0.89	751.47	260.58	279.63	732.42	94.81
126	54	189	4.04	0.10	-5.58	-0.13	-5.34	-1.14	653.96	186.41	321.36	519.01	211.86
		244	3.24	0.18	-3.47	-0.40	-2.88	-1.34	540.30	352.80	456.35	436.75	93.23
		240	3.52	-0.22	-3.33	-0.60	-2.95	-1.02	588.10	376.49	380.83	583.76	29.99
		188	4.29	-0.08	-4.89	-0.19	-4.77	-0.75	705.78	247.29	257.19	695.87	66.66
126	70	189	7.86	1.82	-11.25	-1.15	-8.28	5.48	1303.67	320.09	528.98	1094.78	402.28
		244	5.97	2.33	-7.94	-1.08	-4.54	4.83	1022.14	457.14	639.74	839.54	264.25
		240	7.52	1.00	-6.43	-0.85	-4.58	3.21	1252.51	464.02	711.92	1004.61	-366.08
		188	8.94	0.99	-9.39	-0.77	-7.63	3.89	1459.98	450.93	625.68	1285.23	-381.82
126	90	189	5.85	0.05	-6.58	-0.33	-6.20	-1.54	965.39	336.33	466.80	834.91	255.05
		244	4.46	-0.48	-3.75	-0.56	-3.67	0.50	753.37	476.14	585.49	644.02	135.49
		240	4.85	-0.63	-3.78	-0.69	-3.73	0.43	805.80	550.18	562.27	793.71	54.26
		188	6.15	-0.21	-5.72	-0.31	-5.61	0.76	1027.23	389.18	403.11	1013.30	93.26
127	4	248	7.67	3.67	-5.81	3.62	-5.76	0.68	1305.91	578.90	1266.54	618.28	164.55
		193	6.84	0.74	-9.88	0.74	-9.87	0.21	1149.93	482.01	724.34	907.60	321.15
		216	9.44	2.40	-10.05	2.09	-9.74	1.93	1234.34	-254.32	964.50	15.52	573.48
		256	9.57	3.75	-5.57	2.74	-4.56	2.90	1432.64	55.32	1389.17	98.79	240.80
127	34	248	5.52	2.49	-3.94	2.45	-3.91	0.48	941.28	419.28	909.66	450.89	124.52
		193	4.96	0.50	-6.68	0.50	-6.67	0.15	834.36	343.98	519.47	658.87	235.07
		216	6.76	1.63	-6.79	1.41	-6.57	1.32	884.75	-182.53	686.55	15.67	415.03
		256	6.86	2.55	-3.79	1.85	-3.09	1.98	1030.08	43.83	996.15	77.77	179.77
127	47	248	4.27	1.10	-1.80	1.05	-1.75	0.40	733.66	348.69	698.41	383.94	111.03
		193	3.93	0.22	-2.74	0.21	-2.72	0.20	669.34	272.34	394.83	546.85	183.37
		216	4.94	0.87	-2.77	0.73	-2.63	0.70	659.08	-125.17	492.54	41.37	320.74
		256	5.15	1.19	-1.76	0.81	-1.38	0.98	789.45	55.00	753.08	91.37	159.33
127	54	248	3.96	0.93	-1.51	0.88	-1.46	0.34	680.93	320.45	642.27	359.12	111.54
		193	3.69	0.19	-2.27	0.18	-2.25	0.17	627.75	243.65	362.68	508.71	177.63
		216	4.57	0.70	-2.28	0.58	-2.16	0.59	609.02	-119.24	449.33	40.44	301.32
		256	4.75	1.00	-1.47	0.68	-1.15	0.84	730.49	53.97	692.87	91.60	155.04
127	64	248	6.85	-0.97	-5.54	-1.55	-4.96	1.52	1087.72	150.74	981.67	256.80	296.86
		193	7.65	-1.15	-8.51	-1.49	-8.17	1.56	946.03	-301.64	699.48	-55.09	496.82
		216	11.84	1.60	-8.17	1.46	-8.03	1.15	1309.64	-664.45	1151.17	-505.97	536.41
		256	9.39	5.61	1.75	2.05	5.31	1.03	1460.56	115.59	1416.93	159.23	238.29
127	96	248	5.16	-7.85e-03	-3.30	-0.26	-3.05	0.87	863.74	246.78	796.30	314.22	192.51
		193	4.76	-0.47	-5.08	-0.61	-4.94	0.80	732.47	46.72	516.70	262.49	318.44
		216	7.69	1.10	-4.95	0.98	-4.82	0.85	916.92	-348.36	767.85	-199.29	407.91
		256	6.84	2.50	0.58	1.29	1.79	0.93	1059.67	83.00	1019.82	122.86	193.23
128	4	263	10.40	5.42	-7.52	2.42	-4.52	-5.46	1768.65	783.47	1351.23	1200.89	-486.82
		191	11.50	1.84	-8.65	0.68	-7.50	-3.29	1916.80	534.46	810.60	1640.67	-552.68
		192	8.52	1.30	-9.58	1.04	-9.31	-1.69	1431.35	700.17	715.36	1416.16	-104.27
		242	7.89	4.31	-6.54	3.69	-5.93	-2.51	1310.10	968.63	1230.61	1048.13	-144.31
128	34	263	7.46	3.66	-5.10	1.65	-3.09	-3.68	1271.88	575.37	976.63	870.62	-344.20
		191	8.27	1.24	-5.86	0.47	-5.08	-2.22	1380.86	390.31	584.18	1186.99	-393.00
		192	6.14	0.88	-6.48	0.70	-6.30	-1.13	1034.18	504.86	514.41	1024.63	-70.47
		242	5.68	2.91	-4.43	2.51	-4.03	-1.67	939.96	707.45	887.14	760.27	-97.43
128	47	263	5.86	1.32	-2.10	0.67	-1.45	-1.34	1008.81	491.31	788.41	711.71	-255.89
		191	6.60	0.34	-2.45	0.13	-2.23	-0.75	1104.67	319.42	465.01	959.07	-305.18
		192	4.91	0.32	-2.72	0.28	-2.68	-0.32	836.95	394.36	400.73	830.59	-52.69
		242	4.50	1.08	-1.89	1.00	-1.81	-0.49	735.81	590.46	700.75	625.53	-62.18
128	54	263	5.36	1.11	-1.78	0.58	-1.25	-1.12	923.28	465.51	727.28	661.51	-226.51
		191	6.05	0.30	-2.04	0.12	-1.85	-0.64	1015.20	301.86	427.43	889.63	-271.68
		192	4.53	0.27	-2.25	0.24	-2.22	-0.27	773.95	364.55	368.39	770.11	-39.43
		242	4.15	0.92	-1.59	0.85	-1.52	-0.40	671.04	556.45	645.93	581.57	-47.40
128	55	263	9.07	0.18	-5.78	0.07	-5.67	-0.81	1521.84	432.84	1233.77	720.91	-480.33
		191	9.92	-1.72	-10.39	-1.74	-10.37	-0.42	1643.08	477.25	986.72	1133.61	-578.27
		192	6.81	0.52	-11.06	-0.18	-10.37	-2.74	1151.44	544.94	706.32	990.06	-268.02
		242	6.17	2.19	-6.77	0.68	-5.27	-3.35	1055.72	505.38	942.86	618.25	-222.21

128	87	263	6.90	0.60	-3.49	0.35	-3.24	-0.98	1182.75	457.39	952.29	687.85	-337.72
		191	7.61	-0.65	-5.70	-0.71	-5.64	-0.53	1273.13	399.94	675.90	997.17	-405.97
		192	5.41	0.37	-6.16	0.05	-5.84	-1.41	915.59	468.63	517.08	867.15	-138.95
		242	4.93	1.43	-3.87	0.77	-3.21	-1.75	839.62	534.76	776.58	597.80	-123.47
129	4	347	5.35	16.08	0.23	7.62	8.69	7.91	594.63	-296.29	582.89	-284.54	-101.63
		326	7.97	10.83	-1.26	6.76	2.81	5.71	1133.46	-75.19	1129.69	-71.41	-67.46
		312	8.73	9.56	-2.59	2.51	4.46	6.00	1138.06	-285.37	1132.80	-280.11	86.37
		350	6.00	15.05	-3.08	-0.72	12.70	6.09	99.47	-784.20	96.25	-780.98	53.25
129	34	347	3.80	10.90	0.08	5.19	5.79	5.40	436.35	-197.10	430.70	-191.45	-59.55
		326	5.73	7.35	-0.91	4.59	1.85	3.90	821.04	-42.63	819.42	-41.01	-37.35
		312	6.25	6.51	-1.81	1.73	2.98	4.11	823.04	-190.88	818.21	-186.05	69.83
		350	4.20	10.22	-2.11	-0.43	8.54	4.23	91.25	-540.07	87.40	-536.23	49.14
129	47	347	3.02	4.70	-0.71	2.49	1.50	2.66	394.67	-85.88	394.60	-85.80	5.98
		326	4.48	3.21	-0.93	2.03	0.24	1.86	669.18	15.56	668.94	15.81	12.55
		312	4.77	3.00	-1.17	1.02	0.81	2.08	661.18	-87.29	652.53	-78.64	80.00
		350	2.91	4.57	-1.28	0.21	3.08	2.55	172.98	-315.87	160.41	-303.31	77.37
129	54	347	2.80	3.96	-0.66	2.14	1.15	2.26	375.36	-63.22	374.47	-62.34	19.67
		326	4.13	2.73	-0.83	1.75	0.15	1.59	623.72	27.01	622.79	27.94	23.56
		312	4.35	2.59	-1.05	0.91	0.63	1.82	614.15	-60.39	604.27	-50.50	81.06
		350	2.60	3.90	-1.07	0.35	2.48	2.25	183.60	-260.96	167.89	-245.25	82.08
129	61	347	4.66	12.15	-7.20	10.19	-5.24	5.84	731.81	219.86	723.83	227.83	-63.40
		326	6.24	11.63	-2.87	10.43	-1.68	3.99	968.45	215.90	967.46	216.89	27.24
		312	7.13	9.00	-3.68	6.19	-0.88	5.27	1095.69	136.83	1094.91	137.62	27.35
		350	4.73	9.69	-5.65	6.53	-2.49	6.20	674.57	12.95	674.46	13.06	8.39
129	93	347	3.54	7.61	-3.32	5.87	-1.58	4.00	528.10	63.70	527.37	64.44	-18.47
		326	5.05	6.75	-1.66	5.72	-0.64	2.76	774.76	109.44	773.84	110.36	24.72
		312	5.56	5.35	-2.14	3.23	-0.02	3.37	827.18	27.84	823.21	31.81	56.19
		350	3.35	6.03	-2.55	3.13	0.35	4.06	398.17	-136.64	393.81	-132.28	48.06
130	18	188	8.91	1.19	-14.11	-0.40	-12.52	-4.66	1216.28	-100.66	295.34	820.28	603.90
		240	7.14	3.02	-11.99	-1.97	-7.00	-7.07	1054.07	106.11	423.97	736.21	447.53
		238	7.32	2.04	-10.20	-1.59	-6.57	-5.59	1085.29	88.37	270.24	903.42	385.01
		187	8.64	1.26	-10.95	0.10	-9.79	-3.58	1219.03	-38.63	174.15	1006.25	471.51
130	41	188	6.24	0.76	-9.81	-0.28	-8.76	-3.16	873.31	-29.98	222.64	620.68	405.43
		240	5.01	1.94	-8.25	-1.37	-4.94	-4.77	757.94	116.58	321.37	553.15	299.01
		238	5.06	1.25	-7.03	-1.13	-4.66	-3.74	770.66	107.21	219.48	658.39	248.76
		187	5.98	0.79	-7.67	0.04	-6.93	-2.40	864.71	15.83	142.02	738.52	301.99
130	47	188	4.56	-0.02	-5.26	-0.19	-5.10	-0.91	750.35	265.43	283.55	732.23	91.98
		240	3.75	-0.14	-3.53	-0.60	-3.07	-1.17	625.28	404.17	413.98	615.47	45.54
		238	3.61	-0.57	-3.17	-0.77	-2.97	-0.69	602.45	393.96	400.57	595.84	-36.54
		187	4.38	-0.24	-4.76	-0.29	-4.71	-0.46	725.68	260.62	270.78	715.52	-68.00
130	54	188	4.28	-0.05	-4.88	-0.18	-4.76	-0.78	704.41	250.42	259.56	695.28	63.74
		240	3.54	-0.21	-3.31	-0.58	-2.94	-1.01	590.05	377.85	381.77	586.14	28.55
		238	3.41	-0.58	-2.98	-0.72	-2.85	-0.55	571.25	365.47	378.23	558.49	-49.63
		187	4.16	-0.23	-4.46	-0.26	-4.43	-0.35	687.92	237.95	254.76	671.10	-85.35
130	70	188	7.88	1.10	-8.84	-0.57	-7.16	3.72	1241.31	250.87	487.47	1004.72	-422.32
		240	6.75	1.10	-6.60	-0.83	-4.67	3.34	1081.34	253.31	581.08	753.56	-404.93
		238	8.24	0.82	-6.30	-0.90	-4.58	3.05	1305.62	230.88	796.51	740.00	-536.63
		187	9.62	0.93	-8.32	-0.57	-6.82	3.41	1497.80	213.24	716.09	994.95	-626.97
130	102	188	5.35	-0.07	-6.18	-0.37	-5.88	1.33	881.50	311.77	360.54	832.73	-159.40
		240	4.50	-0.38	-4.05	-0.70	-3.73	1.03	760.68	369.95	470.05	660.58	-170.56
		238	5.21	-0.41	-4.03	-0.80	-3.64	1.12	874.76	327.72	563.45	639.03	-270.90
		187	6.25	-0.06	-5.90	-0.41	-5.55	1.40	1013.26	260.65	459.09	814.82	-331.61
131	18	202	7.54	-7.48e-03	-3.64	-3.64	-7.58e-03	0.02	1019.38	-186.87	558.22	274.29	-586.18
		201	4.83	-0.28	-4.06	-4.04	-0.30	-0.28	704.50	-20.45	498.03	186.01	-327.18
		140	4.77	-0.04	-4.24	-4.13	-0.16	-0.70	666.43	-63.69	610.37	-7.62	-194.40
		139	6.10	-0.11	-3.37	-3.32	-0.16	-0.38	834.26	-126.36	731.72	-23.81	-296.63
131	41	202	5.20	-0.01	-2.42	-2.42	-0.01	0.01	711.35	-114.83	407.06	189.46	-398.50
		201	3.37	-0.19	-2.70	-2.68	-0.20	-0.20	494.99	-6.07	361.91	127.02	-221.30
		140	3.37	-0.02	-2.78	-2.70	-0.10	-0.46	474.22	-41.04	438.08	-4.90	-131.59
		139	4.31	-0.07	-2.18	-2.15	-0.10	-0.26	593.18	-83.07	526.34	-16.23	-201.82
131	47	202	2.87	-0.02	-0.21	-0.18	-0.04	0.07	452.31	50.69	401.44	101.56	-133.57
		201	2.12	-0.01	-0.10	-0.10	-0.01	1.37e-04	338.16	44.62	327.56	55.22	-54.75
		140	2.41	0.16	8.06e-03	0.16	8.57e-03	-8.83e-03	358.85	-2.66	355.75	0.45	-33.36
		139	3.19	0.17	8.13e-03	0.17	9.48e-03	-0.01	469.08	-16.53	459.41	-6.87	-67.83
131	54	202	2.73	5.02e-03	-0.03	4.92e-03	-0.03	1.95e-03	432.33	49.41	385.54	96.20	-125.41
		201	2.04	0.07	-0.04	0.04	-7.57e-03	-0.05	325.09	42.31	315.78	51.61	-50.45
		140	2.32	0.31	7.59e-03	0.31	7.81e-03	-8.34e-03	345.21	-2.24	342.41	0.57	-31.10
		139	3.06	0.38	7.75e-03	0.38	8.37e-03	-0.02	449.90	-15.34	441.00	-6.44	-63.74
131	79	202	6.09	-0.22	-2.85	-2.81	-0.25	0.30	857.67	-86.35	605.16	166.15	-417.87
		201	4.78	-0.30	-2.80	-2.78	-0.32	0.22	680.21	-50.40	533.13	96.68	-292.96
		140	5.28	-0.27	-2.50	-2.47	-0.30	0.25	757.30	-47.16	639.85	70.29	-284.06
		139	6.37	-0.17	-2.42	-2.39	-0.20	0.27	905.31	-76.04	740.74	88.53	-366.63
131	117	202	4.06	-0.12	-0.90	-0.84	-0.18	0.21	619.83	30.03	534.32	115.54	-207.65
		201	3.23	-0.13	-0.83	-0.81	-0.16	0.14	496.55	34.14	463.97	66.73	-118.35
		140	3.67	-0.07	-0.59	-0.52	-0.14	0.17	549.06	3.41	529.73	22.74	-100.88
		139	4.49	-0.05	-0.54	-0.45	-0.13	0.19	663.52	-13.89	629.55	20.08	-147.84
132	18	238	7.19	1.65	-8.43	-1.08	-5.69	-4.48	1078.25	96.34	277.22	897.37	380.64

		278	6.23	2.13	-7.21	-2.80	-2.27	-4.66	948.83	94.42	209.25	834.01	291.42
		285	5.32	0.48	-5.80	-2.32	-3.00	-3.12	804.25	66.07	162.93	707.39	249.23
		246	6.28	1.12	-7.34	-0.32	-5.90	-3.18	947.90	95.80	177.59	866.11	251.00
132	41	238	4.98	1.00	-5.85	-0.79	-4.07	-3.01	765.95	112.38	224.12	654.21	246.06
		278	4.35	1.32	-4.95	-1.97	-1.66	-3.13	678.80	103.27	176.17	605.90	191.42
		285	3.63	0.20	-4.00	-1.66	-2.13	-2.08	564.84	84.76	149.05	500.55	163.49
		246	4.22	0.60	-5.10	-0.31	-4.19	-2.10	657.50	117.71	165.20	610.01	152.90
132	47	238	3.59	-0.58	-3.14	-0.78	-2.94	-0.70	599.86	393.76	399.87	593.75	-34.96
		278	3.18	-0.56	-1.99	-1.18	-1.36	-0.71	535.30	352.35	352.44	535.21	-4.19
		285	2.45	-0.77	-1.84	-1.29	-1.33	-0.53	376.27	344.47	376.27	344.48	-0.18
		246	3.20	-1.06	-2.72	-1.10	-2.68	-0.24	542.82	317.49	464.52	395.79	-107.29
132	54	238	3.40	-0.59	-2.95	-0.73	-2.81	-0.56	568.44	365.64	377.49	556.59	-47.57
		278	2.99	-0.64	-1.84	-1.11	-1.36	-0.59	501.92	334.49	335.30	501.11	-11.60
		285	2.32	-0.83	-1.68	-1.20	-1.30	-0.42	364.38	313.39	363.45	314.32	-6.83
		246	3.08	-1.02	-2.58	-1.03	-2.57	-0.13	526.08	280.30	446.53	359.85	-115.00
132	86	238	5.93	3.29	-3.08	0.26	-0.05	3.18	733.44	-217.52	218.15	297.76	-473.81
		278	6.06	2.66	-2.98	-0.42	0.10	2.81	929.89	85.57	738.24	277.22	-353.67
		285	7.16	-0.21	-5.48	-1.81	-3.88	2.43	1064.41	4.80	959.68	109.53	-316.23
		246	8.96	2.36	-4.01	-1.72	0.06	3.06	1262.95	-106.43	1034.49	122.03	-510.55
132	102	238	4.74	-0.61	-3.94	-0.95	-3.61	-1.00	808.64	318.94	516.55	611.03	-240.25
		278	4.18	-0.59	-2.63	-1.27	-1.95	-0.96	718.76	388.72	550.62	556.85	-164.99
		285	4.28	-1.11	-2.83	-1.48	-2.45	-0.71	733.60	309.32	674.28	368.64	-147.14
		246	5.56	-1.25	-3.48	-1.37	-3.37	-0.49	924.42	240.99	754.52	410.90	-295.38
133	21	186	8.26	1.63	-5.50	0.71	-4.58	-2.39	1095.08	-197.76	-12.19	909.51	453.30
		246	6.49	1.82	-6.27	0.01	-4.47	-3.37	853.56	-150.03	-32.32	735.85	322.92
		258	5.51	0.05	-5.85	-0.62	-5.19	-1.87	738.32	-113.13	-112.34	737.53	25.90
		217	9.73	2.30	-5.04	1.53	-4.27	-2.25	1127.09	-479.25	-429.10	1076.94	279.35
133	40	186	5.48	0.75	-4.85	0.32	-4.43	-1.49	812.31	33.84	93.21	752.95	206.62
		246	4.26	0.70	-4.95	-0.38	-3.88	-2.22	646.88	72.09	125.32	593.66	166.61
		258	3.14	-0.34	-4.48	-0.78	-4.04	-1.28	503.25	123.08	128.20	498.13	-43.80
		217	5.47	0.78	-4.51	0.50	-4.22	-1.20	712.83	-147.26	-143.05	708.62	59.98
133	48	186	4.06	-0.40	-3.85	-0.43	-3.82	0.32	630.71	72.87	289.36	414.22	-271.84
		246	3.00	-1.09	-2.53	-1.10	-2.52	0.12	508.30	203.58	420.93	290.95	-137.80
		258	4.32	-1.06	-1.66	-1.06	-1.66	-0.03	626.28	-40.15	579.38	6.75	-170.45
		217	5.05	-1.19	-4.14	-1.48	-3.85	0.88	602.81	-241.04	406.26	-44.50	-356.69
133	53	186	4.00	-0.39	-3.81	-0.42	-3.78	0.32	621.03	69.61	283.73	406.91	-268.74
		246	2.96	-1.07	-2.50	-1.09	-2.49	0.12	501.66	197.69	413.36	285.98	-138.00
		258	4.24	-1.05	-1.64	-1.05	-1.64	-0.03	615.59	-37.45	568.26	9.87	-169.31
		217	4.96	-1.18	-4.10	-1.47	-3.81	0.88	592.02	-236.82	397.73	-42.53	-351.12
133	70	186	14.04	-1.67	-8.87	-1.70	-8.84	-0.44	1293.39	-1117.65	630.35	-454.62	-1076.56
		246	10.72	-1.76	-4.34	-1.90	-4.21	-0.58	1273.49	-523.53	1006.19	-256.23	-639.45
		258	13.91	3.63	-2.41	-0.51	1.72	2.81	2116.82	96.93	1954.22	259.53	-549.54
		217	17.21	-0.74	-8.87	-0.74	-8.86	-0.22	1702.05	-1238.18	1259.03	-795.16	-1051.81
133	102	186	7.74	-1.03	-6.28	-1.03	-6.28	-0.09	897.24	-409.18	446.73	41.33	-620.97
		246	6.05	-1.47	-3.41	-1.51	-3.36	-0.29	852.11	-99.06	690.47	62.58	-357.24
		258	8.51	0.77	-1.77	-0.86	-0.15	1.22	1291.22	47.24	1191.70	146.76	-337.48
		217	10.29	-1.15	-6.29	-1.17	-6.27	0.37	1090.81	-662.73	788.26	-360.19	-662.56
134	18	185	12.74	-0.82	-8.56	-0.86	-8.51	-0.58	1632.69	-445.19	151.50	1036.00	-940.12
		260	11.10	-4.31	-5.36	-4.31	-5.36	0.05	1463.54	-332.61	355.46	775.47	-873.17
		272	14.56	-3.78	-5.91	-5.91	-3.78	0.02	1834.29	-571.92	456.25	806.12	-1190.32
		213	14.36	-1.25	-10.77	-3.68	-8.34	4.15	1721.90	-626.44	83.51	1011.94	-1078.50
134	41	185	8.60	-0.54	-5.85	-0.55	-5.84	-0.23	1123.78	-264.62	136.97	722.19	-629.52
		260	7.55	-2.86	-3.79	-2.91	-3.75	0.21	1016.26	-191.79	291.52	532.94	-591.84
		272	10.01	-2.59	-4.06	-4.03	-2.62	0.19	1281.24	-361.67	357.55	562.02	-815.07
		213	9.88	-0.79	-7.58	-2.55	-5.82	2.98	1204.44	-402.14	88.49	713.81	-739.94
134	52	185	4.09	0.49	-2.22	0.17	-1.91	0.87	661.96	143.86	328.59	477.23	-248.16
		260	4.46	-0.06	-2.21	-0.57	-1.70	0.91	704.90	97.96	504.53	298.33	-285.42
		272	5.99	-0.13	-1.99	-1.13	-0.99	0.93	890.63	2.09	529.27	363.45	-436.47
		213	5.84	0.12	-3.42	-0.97	-2.32	1.64	843.27	-31.37	295.21	516.70	-423.07
134	54	185	3.38	1.08	-1.62	0.39	-0.93	1.18	574.49	245.46	387.22	432.73	-162.93
		260	4.22	0.70	-1.97	6.35e-03	-1.28	1.17	685.08	138.66	572.54	251.20	-220.97
		272	5.41	0.67	-1.80	-0.47	-0.66	1.23	837.73	75.80	587.18	326.35	-357.95
		213	5.15	0.37	-2.54	-0.62	-1.55	1.38	784.59	54.93	355.31	484.21	-359.10
134	83	185	13.42	-2.18	-10.73	-3.02	-9.90	2.53	1825.53	-278.42	728.84	818.27	-1051.03
		260	13.38	-1.25	-6.75	-2.47	-5.54	2.28	1835.25	-265.77	888.74	680.74	-1045.35
		272	15.47	-1.51	-6.98	-3.35	-5.14	2.59	2082.17	-373.07	923.19	785.91	-1225.70
		213	16.10	-3.16	-11.86	-4.36	-10.65	3.01	2093.66	-489.31	719.52	884.83	-1288.83
134	115	185	7.89	-0.53	-5.85	-1.20	-5.18	1.76	1158.91	-5.17	536.19	617.56	-580.62
		260	8.27	-0.26	-4.20	-1.15	-3.31	1.65	1205.04	-39.10	710.48	455.46	-608.86
		272	10.01	-0.39	-4.23	-1.82	-2.80	1.85	1411.70	-133.14	733.84	544.72	-766.61
		213	10.24	-1.38	-6.87	-2.39	-5.86	2.13	1396.15	-205.45	514.51	676.19	-796.71
135	4	261	11.52	9.89	-12.77	9.09	-11.97	-4.18	1346.52	-484.23	1345.55	-483.26	42.18
		288	8.64	12.75	-7.30	8.31	-2.86	-8.33	909.05	-523.81	900.11	-514.87	112.81
		291	5.99	7.37	-7.30	1.68	-1.61	-7.15	796.02	-150.11	795.49	-149.58	-22.36
		252	9.53	4.01	-9.25	1.38	-6.62	-5.28	1288.86	-235.85	1224.05	-171.04	307.61
135	34	261	8.08	6.67	-8.83	6.13	-8.29	-2.84	960.90	-318.63	960.14	-317.87	31.05
		288	6.04	8.61	-5.04	5.61	-2.05	-5.65	651.85	-347.69	645.61	-341.45	78.69

		291	4.20	4.94	-5.04	1.10	-1.20	-4.86	573.43	-79.31	572.97	-78.85	-17.30
		252	6.67	2.66	-6.42	0.89	-4.65	-3.59	919.61	-136.70	873.77	-90.86	215.21
135	47	261	5.42	3.18	-4.60	3.06	-4.49	-0.93	742.83	-77.82	742.34	-77.32	20.22
		288	4.02	3.74	-2.59	2.90	-1.75	-2.15	513.23	-123.89	510.78	-121.44	39.42
		291	2.96	1.92	-2.21	0.88	-1.17	-1.79	473.90	91.07	469.81	95.15	-39.33
		252	4.45	1.20	-3.30	0.83	-2.93	-1.25	702.93	92.94	680.18	115.69	115.58
135	54	261	4.71	2.37	-4.18	2.26	-4.07	-0.82	659.29	-46.17	658.81	-45.68	18.46
		288	3.48	2.88	-2.36	2.13	-1.61	-1.84	461.86	-83.14	459.84	-81.12	33.05
		291	2.61	1.41	-2.09	0.49	-1.16	-1.54	429.65	113.68	425.61	117.71	-35.49
		252	3.86	0.77	-3.11	0.41	-2.75	-1.12	625.68	117.26	604.73	138.20	101.04
135	83	261	9.15	10.11	-11.34	6.72	-7.95	-7.82	826.76	-662.44	797.70	-633.38	-206.00
		288	7.45	16.41	-7.55	7.54	1.33	-11.57	633.70	-586.60	603.13	-556.03	-190.72
		291	5.76	7.70	-9.38	-1.46	-0.22	-8.52	597.92	-362.87	587.07	-352.02	101.48
		252	7.46	0.60	-12.47	-2.41	-9.46	-5.50	776.46	-459.44	761.10	-444.08	-136.93
135	113	261	6.51	3.92	-7.46	3.03	-6.56	-3.07	814.93	-211.12	814.10	-210.29	-29.19
		288	5.10	6.52	-4.08	3.26	-0.82	-4.89	614.64	-212.77	614.37	-212.51	-14.88
		291	4.17	2.87	-4.22	-0.95	-0.39	-3.53	602.30	-21.79	591.37	-10.86	81.87
		252	5.28	-0.50	-6.78	-1.55	-5.73	-2.34	773.02	-26.12	770.65	-23.75	43.43
136	9	298	5.87	1.02	-2.02	-1.59	0.60	1.05	809.69	-109.22	805.94	-105.48	-58.54
		259	6.76	0.81	-1.54	-1.01	0.27	0.98	893.73	-201.21	883.11	-190.59	107.31
		266	8.18	0.47	-1.06	-1.05	0.45	0.15	953.25	-422.42	948.98	-418.15	-76.51
		292	7.01	0.45	-1.55	-1.54	0.44	0.14	867.94	-287.23	862.94	-282.23	-75.85
136	35	298	4.25	0.69	-1.36	-1.09	0.41	0.70	588.61	-76.69	586.32	-74.41	-38.92
		259	4.87	0.55	-1.04	-0.69	0.20	0.65	643.76	-145.30	635.50	-137.04	80.32
		266	5.90	0.33	-0.73	-0.72	0.32	0.10	684.96	-308.60	682.03	-305.67	-53.89
		292	5.07	0.31	-1.05	-1.05	0.31	0.09	629.41	-205.91	626.01	-202.50	-53.22
136	48	298	3.21	0.22	-0.38	-0.38	0.22	0.04	452.48	-48.09	451.90	-47.52	-17.00
		259	3.31	0.21	-0.26	-0.25	0.20	0.07	436.65	-100.20	428.52	-92.07	65.55
		266	4.13	0.21	-0.24	-0.24	0.21	-0.02	455.97	-246.90	454.65	-245.58	-30.36
		292	3.76	0.19	-0.31	-0.30	0.19	-0.04	474.21	-146.40	472.52	-144.71	-32.33
136	53	298	3.03	0.22	-0.37	-0.37	0.22	0.04	429.11	-42.22	428.41	-41.52	-18.16
		259	3.09	0.21	-0.25	-0.24	0.20	0.07	411.23	-89.44	404.18	-82.38	59.03
		266	3.87	0.21	-0.24	-0.23	0.21	-0.02	429.45	-229.13	428.13	-227.81	-29.54
		292	3.55	0.19	-0.30	-0.30	0.19	-0.05	449.13	-135.93	447.42	-134.22	-31.57
136	67	298	4.80	2.23	-1.75	-0.85	1.34	1.66	682.17	-52.43	673.79	-44.05	-78.01
		259	4.18	-0.34	-3.71	-1.12	-2.93	1.42	650.78	52.17	650.33	52.62	-16.38
		266	6.23	-0.49	-3.37	-0.87	-2.99	0.98	881.71	-94.05	868.97	-81.31	-110.78
		292	6.65	1.91	-1.34	-0.81	1.38	1.21	895.47	-163.24	886.57	-154.34	-96.65
136	91	298	3.83	0.19	-1.24	-0.42	-0.63	0.71	559.50	-26.18	557.90	-24.57	-30.60
		259	3.64	-0.06	-1.53	-0.48	-1.10	0.67	537.97	-14.56	533.99	-10.57	46.76
		266	4.97	-0.27	-1.29	-0.48	-1.08	0.41	652.36	-158.15	650.13	-155.92	-42.45
		292	4.83	-0.11	-1.05	-0.47	-0.69	0.46	671.36	-94.87	669.19	-92.70	-40.70
137	18	219	10.63	-3.71	-10.13	-5.44	-8.40	-2.85	1159.86	-647.42	-214.14	726.58	-771.57
		265	7.44	-3.24	-5.11	-3.75	-4.60	-0.83	1069.48	-80.54	336.51	652.43	-552.89
		260	11.46	-3.67	-7.15	-4.81	-6.01	-1.63	1468.92	-416.84	303.34	748.75	-916.20
		185	12.15	-0.98	-8.66	-1.04	-8.61	-0.66	1618.44	-325.45	186.30	1106.69	-856.10
137	41	219	6.82	-2.53	-6.72	-3.50	-5.75	-1.77	768.99	-385.92	-98.00	481.07	-499.62
		265	5.00	-2.29	-3.49	-2.51	-3.27	-0.46	736.09	-20.21	288.10	427.77	-371.65
		260	7.76	-2.66	-4.72	-3.21	-4.17	-0.91	1019.41	-247.88	257.24	514.29	-620.47
		185	8.20	-0.69	-5.93	-0.70	-5.92	-0.28	1113.07	-184.08	158.92	770.07	-572.08
137	50	219	2.94	1.98	-1.49	1.49	-1.00	1.21	472.41	102.30	469.42	105.29	33.14
		265	4.57	0.32	-1.90	0.20	-1.78	0.50	680.11	-2.45	653.64	24.02	-131.79
		260	4.34	1.00	-1.87	0.31	-1.18	1.23	702.39	133.09	587.44	248.05	-228.54
		185	3.33	0.80	-1.88	0.04	-1.11	1.21	565.42	255.33	376.24	444.52	-151.24
137	54	219	2.87	1.97	-1.46	1.48	-0.97	1.20	463.32	104.26	460.07	107.51	34.02
		265	4.46	0.32	-1.86	0.21	-1.75	0.48	666.58	3.58	641.22	28.95	-127.18
		260	4.24	0.99	-1.82	0.32	-1.15	1.20	688.19	135.98	577.11	247.07	-221.37
		185	3.26	0.80	-1.83	0.04	-1.08	1.19	555.02	253.52	369.06	439.48	-146.58
137	67	219	11.95	-2.83	-10.63	-4.54	-8.92	-3.23	1165.27	-883.12	-362.38	644.53	-891.91
		265	10.46	-2.54	-7.89	-5.00	-5.43	-2.67	1065.57	-714.13	-180.06	531.50	-815.63
		260	11.91	-1.86	-4.34	-1.86	-4.34	0.08	1492.60	-473.19	167.34	852.08	-921.34
		185	14.45	-2.42	-9.03	-2.97	-8.49	-1.82	1722.52	-706.08	-49.88	1066.33	-1078.44
137	97	219	7.86	4.57	-0.59	3.10	0.88	2.33	1119.64	-72.77	1050.72	-3.85	278.26
		265	8.53	2.15	-1.45	1.63	-0.94	1.26	1229.39	-74.99	1227.91	-73.50	44.00
		260	5.61	2.33	-1.93	0.86	-0.46	2.03	886.98	108.74	883.76	111.96	-49.93
		185	4.18	3.28	-1.85	0.78	0.65	2.56	708.13	276.30	685.31	299.13	96.61
138	4	224	18.12	5.21	-25.95	4.75	-25.48	-3.79	1583.41	-1401.08	1578.70	-1396.38	-118.37
		261	10.67	9.90	-3.60	9.33	-3.03	-2.71	1375.37	-304.32	1357.89	-286.83	170.47
		252	9.14	3.42	-14.64	0.41	-11.63	-6.73	1207.06	-252.85	1163.19	-208.98	249.23
		209	14.44	2.65	-11.58	0.68	-9.61	-4.91	1601.34	-857.25	1230.14	-486.05	880.24
138	34	224	12.60	3.48	-17.91	3.16	-17.58	-2.61	1113.36	-963.50	1110.41	-960.55	-78.24
		261	7.51	6.68	-2.54	6.30	-2.17	-1.83	982.11	-193.57	969.69	-181.15	120.23
		252	6.39	2.26	-10.12	0.23	-8.09	-4.58	862.17	-149.30	831.16	-118.28	174.37
		209	10.07	1.74	-8.06	0.42	-6.73	-3.35	1136.34	-572.47	870.13	-306.27	619.70
138	47	224	7.65	1.70	-8.13	1.65	-8.09	-0.68	811.12	-452.19	811.12	-452.19	0.86
		261	5.30	3.23	-2.03	3.17	-1.97	-0.56	758.46	-32.24	753.29	-27.07	63.77
		252	4.24	0.96	-4.83	0.61	-4.47	-1.39	671.96	97.60	654.16	115.40	99.52

138	54	209	6.13	1.32	-4.16	0.88	-3.72	-1.49	819.10	-174.49	638.74	5.88	382.99
		224	6.51	1.09	-7.45	1.03	-7.39	-0.70	684.69	-390.04	684.67	-390.03	-4.41
		261	4.60	2.41	-1.93	2.36	-1.88	-0.46	674.74	1.78	669.65	6.86	58.27
138	81	252	3.69	0.58	-4.43	0.22	-4.07	-1.29	596.98	114.53	581.91	129.60	83.94
		209	5.30	0.77	-3.97	0.40	-3.60	-1.26	726.96	-118.77	555.28	52.91	340.17
		224	11.20	3.38	-19.19	2.48	-18.29	-4.43	1125.06	-695.41	1116.79	-687.14	-122.43
138	93	261	9.61	7.14	-9.63	4.41	-6.90	-6.19	1180.22	-396.87	1105.04	-321.70	336.02
		252	8.06	-1.21	-12.97	-3.91	-10.27	-4.95	1082.15	-196.85	1081.18	-195.88	-35.22
		209	8.40	-4.15	-16.40	-4.90	-15.64	-2.95	1083.67	-271.34	1045.18	-232.85	225.12
139	4	224	7.75	-0.72	-10.43	-0.75	-10.40	-0.54	941.92	-311.53	938.26	-307.87	67.62
		261	6.31	0.74	-3.24	0.74	-3.24	-0.02	974.04	80.20	931.47	122.77	190.37
		252	5.55	-1.08	-5.72	-1.14	-5.66	-0.55	913.00	200.98	866.76	247.22	175.45
139	34	209	7.14	-1.16	-6.92	-1.28	-6.80	-0.82	1035.33	-65.88	831.27	138.18	427.87
		271	8.11	13.02	-9.40	4.02	-0.40	-10.99	1317.74	442.68	1240.60	519.82	-248.09
		268	11.27	8.69	-9.12	2.79	-3.22	-8.38	1852.26	561.20	1704.83	708.63	-410.62
139	47	306	9.62	9.51	-6.71	7.16	-4.36	-5.71	1608.71	694.94	1521.65	782.01	-268.28
		301	7.22	16.89	-3.43	14.78	-1.32	-6.21	1149.24	453.64	1109.04	493.84	-162.32
		271	5.82	8.83	-6.39	2.83	-0.39	-7.44	951.84	332.07	902.20	381.71	-168.23
139	54	268	8.10	5.88	-6.20	1.92	-2.24	-5.67	1336.67	416.61	1235.77	517.52	-287.50
		306	6.91	6.43	-4.56	4.88	-3.01	-3.83	1159.28	512.91	1101.38	570.80	-184.57
		301	5.17	11.43	-2.35	10.06	-0.99	-4.12	829.76	338.88	805.69	362.95	-106.01
139	62	271	4.63	3.73	-2.97	1.79	-1.02	-3.04	781.65	322.62	764.55	339.71	-86.91
		268	6.39	2.35	-2.72	0.91	-1.28	-2.29	1077.92	381.14	1018.57	440.50	-194.51
		306	5.43	2.53	-2.06	2.07	-1.60	-1.37	927.73	454.97	898.23	484.46	-114.34
139	94	301	4.07	4.68	-1.42	4.39	-1.13	-1.30	680.78	320.00	676.70	324.09	-38.17
		271	4.25	3.16	-2.54	1.60	-0.99	-2.54	719.84	304.78	707.15	317.46	-71.45
		268	5.86	1.96	-2.32	0.78	-1.15	-1.91	991.91	361.27	941.31	411.87	-171.32
139	94	306	4.98	2.12	-1.76	1.77	-1.41	-1.11	852.50	429.92	829.38	453.03	-96.09
		301	3.74	3.94	-1.24	3.74	-1.04	-1.00	628.18	301.47	626.22	303.44	-25.28
		271	5.65	6.47	-6.37	-1.15	1.26	6.31	956.67	317.25	953.91	320.01	41.91
140	4	268	7.32	4.58	-4.74	-1.41	1.24	4.47	1216.15	353.86	1207.45	362.55	-86.13
		306	5.78	3.71	-8.90	-5.60	0.41	5.54	966.41	418.91	966.00	419.32	-14.88
		301	4.56	7.24	-9.47	-3.55	1.33	7.99	776.00	286.89	755.30	307.58	98.46
140	34	271	4.77	1.70	-1.30	0.36	0.03	1.49	817.48	318.53	816.61	319.39	-20.76
		268	6.39	0.83	-1.09	-0.19	-0.07	0.96	1084.70	365.86	1059.22	391.33	-132.90
		306	5.25	0.87	-3.07	-1.62	-0.59	1.90	897.76	431.59	890.01	439.33	-59.59
140	47	301	4.00	3.32	-2.90	0.38	0.04	3.11	686.00	303.64	683.63	306.01	29.97
		221	9.12	6.02	-14.24	-11.13	2.91	-7.30	1467.07	320.41	1390.32	397.16	-286.56
		223	13.20	4.47	-10.77	-5.12	-1.18	-7.36	2089.68	267.77	1909.43	448.01	-543.97
140	54	268	11.31	8.33	-9.02	1.46	-2.14	-8.49	1857.19	550.91	1646.05	762.04	-480.86
		271	8.15	13.03	-9.47	1.95	1.61	-11.25	1323.59	434.88	1207.10	551.37	-299.93
		221	6.59	4.08	-9.70	-7.51	1.89	-5.04	1063.30	240.81	1013.37	290.73	-196.39
140	82	223	9.52	3.03	-7.33	-3.47	-0.83	-5.01	1511.55	202.45	1386.86	327.13	-384.29
		268	8.13	5.64	-6.13	1.02	-1.51	-5.75	1340.08	409.26	1194.43	554.91	-338.17
		271	5.85	8.84	-6.43	1.44	0.97	-7.63	955.77	326.62	879.38	403.01	-205.48
140	114	221	5.37	1.75	-4.35	-2.84	0.24	-2.63	888.92	237.26	870.15	256.02	-108.98
		223	7.66	1.33	-3.19	-1.34	-0.53	-2.22	1234.12	201.46	1157.02	278.56	-271.43
		268	6.41	2.32	-2.75	0.56	-0.99	-2.41	1080.07	375.82	989.98	465.91	-235.22
140	18	271	4.64	3.80	-2.97	1.23	-0.40	-3.28	783.54	319.17	752.15	350.56	-116.59
		221	4.95	1.49	-3.78	-2.42	0.13	-2.31	820.93	223.64	806.19	238.39	-92.68
		223	7.05	1.09	-2.75	-1.18	-0.48	-1.89	1138.80	192.68	1071.21	260.27	-243.68
140	41	268	5.88	1.93	-2.34	0.49	-0.91	-2.02	993.73	356.35	915.88	434.20	-208.71
		271	4.26	3.22	-2.54	1.14	-0.46	-2.77	721.42	301.71	696.85	326.27	-98.53
		221	6.36	10.12	-9.56	5.27	-4.71	8.48	1050.93	388.98	1050.59	389.32	14.89
140	52	223	9.15	10.75	-1.36	8.00	1.39	5.07	1482.34	294.29	1356.45	420.17	-365.66
		268	6.78	7.21	-7.11	0.81	-0.71	7.12	1161.71	581.97	1138.34	605.34	-114.03
		271	5.23	7.77	-13.26	0.34	-5.83	10.06	898.73	461.97	898.66	462.04	-5.56
140	54	221	5.46	2.64	-3.67	1.18	-2.21	2.66	921.87	306.86	919.02	309.71	-41.77
		223	8.01	3.64	-0.15	3.13	0.36	1.29	1294.84	239.99	1202.00	332.82	-298.85
		268	6.19	2.24	-2.41	0.65	-0.83	2.21	1065.70	462.06	1016.23	511.53	-165.58
141	18	271	4.60	2.56	-4.86	0.77	-3.06	3.18	795.41	382.82	788.10	390.13	-54.44
		254	5.76	0.50	-1.24	-1.23	0.49	0.17	755.83	-174.00	665.76	-83.93	-275.02
		198	6.13	0.50	-0.95	-0.93	0.48	0.17	722.44	-306.85	427.76	-12.18	-465.27
141	41	214	3.94	0.55	-1.51	-1.40	0.44	-0.46	519.80	-122.44	285.45	111.92	-309.18
		273	4.32	0.63	-1.47	-1.13	0.29	-0.77	613.08	-62.58	519.13	31.36	-233.77
		254	4.15	0.34	-0.84	-0.83	0.33	0.11	542.32	-130.02	476.32	-64.02	-200.05
141	52	198	4.39	0.35	-0.64	-0.63	0.33	0.12	513.78	-224.58	302.17	-12.97	-333.86
		214	2.83	0.37	-1.00	-0.93	0.30	-0.31	372.45	-89.51	203.86	79.08	-222.39
		273	3.10	0.43	-0.98	-0.75	0.20	-0.52	439.16	-47.97	371.43	19.77	-168.54
141	54	254	2.91	0.13	-0.25	-0.25	0.13	-2.63e-03	366.96	-113.65	319.05	-65.74	-143.98
		198	2.83	0.13	-0.18	-0.18	0.13	0.04	310.71	-171.57	174.79	-35.64	-216.98
		214	1.87	0.14	-0.21	-0.18	0.12	-0.09	240.65	-66.10	132.27	42.27	-146.63
141	54	273	2.12	0.15	-0.24	-0.18	0.08	-0.15	292.43	-45.60	250.36	-3.54	-111.58
		254	2.72	0.06	-0.12	-0.12	0.06	1.86e-03	337.94	-113.58	292.37	-68.02	-136.00
		198	2.55	0.06	-0.08	-0.07	0.05	0.04	272.22	-165.21	149.47	-42.45	-196.54
141	54	214	1.70	0.07	-9.27e-03	-1.12e-03	0.06	-0.02	217.82	-62.91	119.61	35.30	-133.89
		273	1.96	0.05	-0.06	-0.05	0.03	-0.03	267.61	-46.74	229.84	-8.97	-102.21

141	59	254	6.65	-0.57	-1.30	-0.74	-1.13	-0.31	822.23	-284.05	688.01	-149.83	-361.20
		198	6.79	-0.76	-2.06	-0.83	-1.99	-0.30	852.55	-271.94	570.73	9.88	-487.32
		214	4.96	-0.80	-2.05	-0.86	-1.99	-0.27	634.96	-180.90	385.68	68.38	-375.82
		273	4.83	-0.68	-1.29	-0.80	-1.18	-0.24	582.07	-228.02	470.20	-116.16	-279.47
141	91	254	4.46	-0.30	-0.56	-0.40	-0.46	-0.13	552.97	-189.16	467.98	-104.17	-236.33
		198	4.42	-0.39	-0.87	-0.41	-0.84	-0.10	529.81	-212.98	336.46	-19.62	-325.94
		214	3.15	-0.35	-0.87	-0.39	-0.84	-0.13	402.95	-115.64	237.80	49.51	-241.60
		273	3.23	-0.31	-0.57	-0.38	-0.50	-0.12	407.43	-127.35	336.62	-56.53	-181.26
142	18	236	5.54	-0.38	-4.00	-3.91	-0.47	-0.56	746.98	-142.23	217.68	387.07	-436.46
		235	2.59	-0.30	-4.33	-4.16	-0.47	-0.82	423.44	99.94	281.36	242.02	-160.55
		201	4.24	-0.04	-4.63	-4.24	-0.44	-1.28	648.90	36.04	485.97	198.97	-270.75
		202	6.44	-0.26	-3.79	-3.52	-0.53	-0.93	921.88	-81.82	550.92	289.14	-484.48
142	41	236	3.75	-0.28	-2.69	-2.63	-0.34	-0.36	517.55	-79.23	171.85	266.47	-294.62
		235	1.81	-0.21	-2.90	-2.79	-0.32	-0.55	297.71	80.88	214.73	163.87	-105.39
		201	2.98	-0.02	-3.08	-2.81	-0.29	-0.86	457.56	32.06	353.70	135.93	-182.77
		202	4.46	-0.18	-2.52	-2.34	-0.36	-0.62	645.32	-43.67	401.98	199.67	-329.31
142	52	236	1.94	-0.16	-0.63	-0.62	-0.17	-0.06	320.10	75.81	244.57	151.33	-112.90
		235	1.50	-0.04	-0.68	-0.64	-0.09	-0.16	249.55	73.50	248.30	74.76	-14.81
		201	2.05	0.05	-0.57	-0.47	-0.05	-0.23	328.81	53.48	312.29	70.00	-65.38
		202	2.78	-0.03	-0.44	-0.38	-0.09	-0.15	440.89	53.25	376.66	117.48	-144.13
142	54	236	1.77	-0.10	-0.24	-0.19	-0.15	0.07	299.69	99.05	269.76	128.98	-71.48
		235	1.62	-0.03	-0.16	-0.16	-0.04	-0.02	265.45	55.84	265.21	56.08	7.07
		201	1.98	0.07	-0.03	0.04	2.61e-03	-0.05	318.08	50.39	312.33	56.14	-38.80
		202	2.58	7.57e-03	-0.04	6.54e-03	-0.03	6.61e-03	415.56	67.33	381.64	101.25	-103.25
142	83	236	5.11	-0.64	-3.23	-3.06	-0.82	0.66	745.90	-18.15	424.19	303.57	-377.23
		235	3.68	-0.82	-3.09	-2.99	-0.92	0.47	556.73	34.78	415.81	175.70	-231.72
		201	4.69	-0.45	-3.09	-3.00	-0.54	0.48	704.68	26.67	523.73	207.61	-299.91
		202	6.16	-0.60	-3.24	-3.08	-0.76	0.64	910.55	-1.62	599.76	309.17	-432.32
142	115	236	3.21	-0.37	-1.63	-1.54	-0.46	0.32	498.95	51.05	338.80	211.19	-214.67
		235	2.34	-0.41	-1.52	-1.49	-0.44	0.19	374.25	70.50	332.35	112.41	-104.75
		201	3.10	-0.22	-1.41	-1.39	-0.25	0.18	483.76	54.57	410.92	127.40	-161.11
		202	4.13	-0.30	-1.51	-1.44	-0.37	0.28	635.36	47.22	483.51	199.08	-257.39
143	18	251	4.07	0.28	-2.15	-2.15	0.28	-0.05	601.26	1.28	573.69	28.85	-125.63
		273	4.29	0.08	-2.04	-2.04	0.07	0.10	606.43	-53.01	522.02	31.40	-220.32
		215	3.50	0.23	-2.51	-2.33	0.05	-0.67	507.22	-20.71	445.64	40.86	-169.45
		199	3.81	0.26	-2.24	-1.96	-0.02	-0.79	568.85	5.75	525.76	48.84	-149.70
143	41	251	2.95	0.19	-1.44	-1.44	0.19	-0.04	433.50	-3.35	414.04	16.10	-90.11
		273	3.08	0.06	-1.36	-1.36	0.05	0.06	434.83	-41.07	373.91	19.85	-159.00
		215	2.50	0.16	-1.67	-1.55	0.04	-0.45	362.72	-16.08	318.89	27.75	-121.17
		199	2.73	0.18	-1.49	-1.30	-0.01	-0.54	407.02	2.15	377.43	31.73	-105.37
143	52	251	2.21	0.08	-0.34	-0.33	0.07	-0.07	318.22	-21.59	309.37	-12.74	-54.13
		273	2.11	0.05	-0.30	-0.30	0.04	-0.03	292.45	-41.12	254.45	-3.12	-105.98
		215	1.65	0.08	-0.33	-0.29	0.03	-0.13	239.85	-14.51	216.23	9.11	-73.82
		199	1.91	0.10	-0.30	-0.21	0.02	-0.17	283.80	-5.43	273.03	5.34	-54.76
143	54	251	2.11	0.05	-0.10	-0.08	0.03	-0.05	302.22	-26.89	295.15	-19.82	-47.73
		273	1.95	0.04	-0.05	-0.05	0.03	-0.02	268.79	-42.65	234.58	-8.44	-97.38
		215	1.51	0.06	-0.02	0.02	0.02	-0.04	219.05	-14.89	199.07	5.09	-65.37
		199	1.80	0.08	-0.03	0.03	0.02	-0.06	264.86	-8.41	257.31	-0.86	-44.79
143	59	251	4.34	-0.44	-1.35	-1.29	-0.49	-0.22	641.34	-11.77	605.90	23.67	-147.95
		273	4.41	-0.73	-1.38	-1.30	-0.81	-0.22	625.06	-63.05	544.36	17.65	-221.40
		215	3.72	-0.74	-1.35	-1.27	-0.82	-0.20	521.30	-63.22	448.93	9.15	-192.53
		199	3.71	-0.45	-1.27	-1.22	-0.51	-0.20	551.52	-3.77	509.29	38.46	-147.20
143	99	251	3.10	0.30	-0.81	-0.72	0.21	-0.30	454.96	-14.46	432.58	7.92	-100.04
		273	3.07	0.39	-0.78	-0.70	0.31	-0.29	430.53	-51.03	371.90	7.60	-157.46
		215	2.52	0.38	-0.73	-0.66	0.31	-0.27	362.50	-26.04	316.25	20.21	-125.82
		199	2.68	0.28	-0.71	-0.63	0.20	-0.28	400.13	0.39	374.93	25.58	-97.15
144	4	245	6.18	2.46	-4.84	-0.72	-1.67	3.62	1006.42	238.23	928.22	316.43	-232.28
		194	6.45	0.90	-5.91	-0.15	-4.87	2.45	957.09	22.91	566.44	413.56	-460.79
		195	4.98	0.51	-4.15	-0.51	-3.13	1.92	828.75	296.32	433.16	691.90	-232.66
		239	4.73	1.84	-3.96	-0.89	-1.23	2.89	800.59	465.11	728.81	536.89	-137.59
144	34	245	4.40	1.68	-3.29	-0.49	-1.11	2.47	720.21	177.85	665.41	232.65	-163.46
		194	4.58	0.62	-3.98	-0.10	-3.26	1.67	682.90	23.57	404.60	301.87	-325.63
		195	3.56	0.36	-2.78	-0.34	-2.08	1.31	593.78	217.90	310.80	500.88	-162.14
		239	3.39	1.26	-2.68	-0.61	-0.81	1.97	572.93	340.12	523.88	389.17	-94.94
144	47	245	3.28	0.83	-1.46	-0.19	-0.44	1.14	541.41	141.32	496.33	186.40	-126.51
		194	3.38	0.36	-1.59	-6.87e-03	-1.23	0.76	507.36	15.80	292.00	231.16	-243.89
		195	2.69	0.31	-1.08	-0.06	-0.71	0.61	453.12	155.17	225.81	382.48	-126.72
		239	2.54	0.67	-1.18	-0.26	-0.24	0.93	432.34	257.78	389.38	300.74	-75.19
144	54	245	3.00	0.76	-1.24	-0.17	-0.31	0.99	499.98	144.23	459.53	184.68	-112.93
		194	3.06	0.33	-1.29	-0.01	-0.95	0.66	467.39	28.93	269.65	226.67	-218.18
		195	2.49	0.31	-0.85	-0.05	-0.49	0.53	421.02	155.42	211.74	364.70	-108.56
		239	2.36	0.62	-0.99	-0.23	-0.13	0.81	401.56	251.20	365.27	287.49	-64.34
144	59	245	5.70	-0.87	-4.09	-1.00	-3.96	0.64	939.89	215.73	879.52	276.10	-200.18
		194	6.44	-1.50	-7.94	-1.52	-7.93	0.26	1015.42	130.11	718.45	427.08	-418.00
		195	4.16	-1.42	-7.46	-1.44	-7.44	0.30	687.86	277.79	425.46	540.19	-196.85
		239	3.54	-0.85	-3.84	-0.98	-3.71	0.60	603.42	308.44	557.73	354.13	-106.72
144	91	245	4.19	-0.14	-2.32	-0.54	-1.92	0.84	694.39	176.28	645.87	224.80	-150.95

		194	4.55	-0.61	-4.13	-0.68	-4.06	0.49	709.05	74.47	468.73	314.78	-307.81
		195	3.21	-0.61	-3.65	-0.67	-3.59	0.43	535.80	211.75	305.68	441.87	-147.02
		239	2.87	-0.22	-2.05	-0.56	-1.71	0.71	489.48	277.02	449.88	316.62	-82.74
145	16	247	4.55	1.91	-2.69	-1.19	0.41	2.16	746.77	156.46	714.24	188.99	134.71
		197	4.36	0.97	-2.17	-0.82	-0.38	1.55	661.69	34.63	429.64	266.67	302.76
		218	7.93	0.96	-0.75	-0.28	0.49	0.77	943.67	-391.11	791.39	-238.84	424.34
		259	6.45	0.97	-1.43	-0.91	0.44	0.99	874.94	-157.14	869.64	-151.84	73.73
145	39	247	3.28	1.28	-1.81	-0.82	0.29	1.44	539.31	114.69	514.30	139.70	99.98
		197	3.15	0.66	-1.44	-0.55	-0.23	1.04	479.60	27.99	308.54	199.05	219.07
		218	5.65	0.65	-0.50	-0.21	0.36	0.51	665.98	-286.50	555.21	-175.73	305.34
		259	4.65	0.65	-0.96	-0.63	0.31	0.66	630.61	-114.19	625.82	-109.40	59.53
145	51	247	2.25	0.45	-0.59	-0.35	0.21	0.44	376.85	103.90	358.52	122.23	68.32
		197	2.08	0.33	-0.35	-0.14	0.12	0.32	335.32	58.00	209.00	184.32	138.11
		218	3.37	0.34	-0.21	-0.18	0.32	0.12	368.67	-206.79	293.76	-131.88	193.63
		259	3.25	0.27	-0.35	-0.31	0.22	0.17	440.40	-80.57	431.93	-72.10	65.88
145	53	247	2.08	0.26	-0.31	-0.24	0.18	0.19	349.61	100.80	330.96	119.46	65.53
		197	1.93	0.26	-0.10	-0.04	0.20	0.14	313.69	61.70	190.91	184.48	125.95
		218	2.96	0.30	-0.18	-0.18	0.30	0.02	307.95	-199.73	237.94	-129.71	175.05
		259	3.04	0.20	-0.24	-0.23	0.20	0.04	409.28	-79.06	398.38	-68.16	72.14
145	64	247	4.86	0.12	-2.83	-0.93	-1.78	1.41	697.04	-54.13	678.52	-35.61	116.49
		197	5.86	0.30	-3.17	-0.73	-2.13	1.59	601.94	-391.22	511.43	-300.71	285.83
		218	10.55	1.02	-2.49	0.42	-1.89	1.33	1127.19	-664.66	1051.86	-589.33	359.59
		259	8.26	3.79	0.07	0.41	3.45	1.08	1252.82	42.41	1240.86	54.37	-119.72
145	96	247	3.24	0.17	-1.48	-0.54	-0.76	0.82	507.85	50.59	491.64	66.80	84.57
		197	3.20	0.25	-1.55	-0.34	-0.95	0.85	421.03	-92.77	337.01	-8.74	190.04
		218	6.15	0.46	-1.11	0.11	-0.76	0.66	663.94	-381.73	597.06	-314.85	255.85
		259	5.17	1.76	-0.13	0.06	1.56	0.58	771.53	-1.10	771.24	-0.81	-14.81
146	18	267	5.33	31.13	-23.49	8.70	-1.06	26.87	510.20	-118.03	180.63	211.54	-313.74
		358	2.81	21.23	-25.16	7.21	-11.13	21.31	107.02	-154.27	-110.71	63.46	-97.39
		359	3.55	27.68	-12.59	14.93	0.15	18.73	257.33	-156.60	-23.11	123.83	-193.49
		269	5.63	23.18	-20.66	4.61	-2.09	21.66	600.28	-119.30	239.75	241.23	-359.79
146	41	267	3.63	21.14	-16.34	5.89	-1.08	18.41	359.12	-64.16	135.63	159.33	-211.31
		358	1.96	14.54	-17.85	5.30	-8.60	14.63	75.58	-106.73	-81.28	50.13	-63.18
		359	2.46	18.46	-8.75	10.51	-0.80	12.38	179.01	-110.46	-21.16	89.71	-133.70
		269	3.86	15.50	-14.09	3.14	-1.73	14.60	422.31	-69.21	175.48	177.62	-245.76
146	52	267	1.81	8.66	-9.81	1.71	-2.86	8.95	231.58	61.53	133.66	159.45	-84.04
		358	1.33	7.09	-13.89	3.86	-10.66	7.57	64.49	-72.77	-71.85	63.57	-11.23
		359	1.46	7.08	-7.34	6.22	-6.48	3.41	108.18	-75.29	-40.60	73.49	-71.84
		269	1.99	5.31	-7.17	0.91	-2.76	5.97	269.27	37.71	149.27	157.71	-115.70
146	54	267	1.54	6.01	-8.80	0.67	-3.46	7.11	211.14	89.91	136.59	164.46	-58.99
		358	1.32	5.85	-14.06	3.60	-11.81	6.30	69.71	-71.84	-71.84	69.71	-0.33
		359	1.34	5.61	-8.42	5.47	-8.28	1.40	98.30	-70.73	-45.62	73.19	-60.12
		269	1.68	3.19	-5.97	0.38	-3.16	4.22	243.25	62.39	147.33	158.31	-90.26
146	83	267	5.04	39.12	-17.13	18.50	3.50	27.10	409.65	-184.00	96.13	129.52	-296.35
		358	4.13	47.15	-5.42	25.24	16.49	25.92	143.93	-280.47	-111.92	-24.63	-207.66
		359	4.84	50.25	-2.78	27.46	20.01	26.25	306.36	-264.41	49.83	-7.88	-283.92
		269	5.75	41.42	-19.16	18.60	3.66	29.36	541.89	-158.26	253.76	129.87	-344.55
146	115	267	3.05	21.51	-12.82	8.85	-0.16	16.57	304.38	-39.07	117.39	147.92	-171.04
		358	2.33	24.07	-9.41	13.52	1.14	15.55	82.08	-146.85	-90.95	26.18	-98.34
		359	2.72	24.19	-3.97	15.56	4.66	12.98	183.60	-149.65	-2.00	35.95	-165.54
		269	3.49	20.95	-12.13	8.76	0.07	15.96	381.93	-41.01	195.96	144.97	-209.93
147	11	303	5.29	0.25	-1.56	-1.54	0.24	0.16	714.97	-124.49	699.52	-109.05	-112.80
		254	5.75	0.13	-1.27	-1.24	0.10	0.20	743.93	-192.44	648.91	-97.42	-282.74
		273	4.26	0.21	-1.47	-1.40	0.13	-0.36	594.72	-74.64	505.00	15.09	-228.05
		251	4.20	0.19	-1.48	-1.34	0.05	-0.46	611.28	-26.99	585.24	-0.95	-126.26
147	37	303	3.83	0.17	-1.05	-1.04	0.17	0.10	516.28	-92.67	504.86	-81.25	-82.60
		254	4.14	0.10	-0.86	-0.84	0.08	0.13	534.11	-141.80	464.98	-72.67	-204.81
		273	3.07	0.15	-0.99	-0.93	0.10	-0.24	427.05	-55.66	362.18	9.21	-164.64
		251	3.04	0.14	-1.00	-0.90	0.04	-0.32	440.24	-22.49	421.60	-3.85	-90.99
147	52	303	2.82	0.11	-0.43	-0.43	0.11	-0.03	377.21	-75.56	369.75	-68.10	-57.62
		254	2.87	0.09	-0.34	-0.34	0.09	0.01	365.00	-108.25	318.14	-61.39	-141.36
		273	2.11	0.12	-0.36	-0.32	0.08	-0.13	292.10	-42.91	250.85	-1.66	-110.08
		251	2.21	0.13	-0.39	-0.31	0.05	-0.18	318.37	-23.92	308.33	-13.88	-57.75
147	54	303	2.72	0.06	-0.17	-0.17	0.06	-7.93e-03	361.76	-78.17	354.77	-71.17	-55.01
		254	2.68	0.05	-0.12	-0.12	0.05	0.02	335.33	-109.38	291.33	-65.38	-132.78
		273	1.96	0.05	-0.05	-0.04	0.05	-0.02	268.94	-44.09	231.55	-6.71	-101.52
		251	2.12	0.05	-0.09	-0.08	0.04	-0.04	302.22	-29.40	294.00	-21.19	-51.55
147	59	303	5.64	-0.64	-1.42	-1.32	-0.74	-0.27	806.97	-66.98	802.88	-62.88	-59.67
		254	6.10	-1.02	-1.56	-1.34	-1.23	-0.26	793.62	-204.30	726.48	-137.16	-249.99
		273	4.72	-1.04	-1.59	-1.37	-1.26	-0.27	599.43	-180.83	519.03	-100.43	-237.21
		251	4.35	-0.68	-1.44	-1.34	-0.78	-0.26	617.87	-59.38	592.04	-33.55	-129.72
147	91	303	4.01	-0.26	-0.72	-0.69	-0.29	-0.12	559.27	-73.31	554.00	-68.05	-57.46
		254	4.19	-0.47	-0.72	-0.67	-0.51	-0.10	538.73	-151.04	484.76	-97.06	-185.25
		273	3.19	-0.44	-0.72	-0.64	-0.53	-0.13	416.39	-104.98	359.75	-48.34	-162.25
		251	3.12	-0.27	-0.69	-0.65	-0.32	-0.13	442.99	-42.15	426.91	-26.08	-86.84
148	4	332	7.23	13.65	-0.65	13.63	-0.64	0.48	1165.73	425.57	1156.85	434.45	-80.58
		290	8.39	8.37	-4.13	8.19	-3.96	-1.47	1409.65	696.38	1397.26	708.77	-93.21

		287	8.39	7.31	-3.07	6.71	-2.47	2.43	1378.74	435.80	1368.11	446.43	99.55
		322	7.33	12.16	-0.33	9.95	1.88	4.76	1145.92	224.43	1144.98	225.37	29.51
148	34	332	5.20	9.24	-0.51	9.22	-0.49	0.38	843.05	316.22	838.83	320.44	-46.96
		290	6.03	5.66	-2.82	5.55	-2.71	-0.96	1015.94	510.88	1009.08	517.74	-58.48
		287	6.03	4.96	-2.12	4.54	-1.69	1.68	994.88	320.08	985.27	329.70	79.99
		322	5.28	8.24	-0.30	6.72	1.23	3.27	829.82	170.66	828.24	172.24	32.29
148	47	332	4.12	3.80	-0.83	3.74	-0.77	0.51	690.89	290.09	690.81	290.18	5.84
		290	4.74	2.22	-1.40	2.22	-1.40	-0.12	808.90	440.84	808.07	441.68	-17.52
		287	4.69	2.14	-1.24	1.84	-0.94	0.96	789.05	280.35	772.75	296.65	89.59
		322	4.18	3.49	-0.76	2.68	0.05	1.67	679.30	172.97	670.34	181.94	66.78
148	54	332	3.81	3.19	-0.76	3.13	-0.70	0.49	640.67	273.11	639.91	273.87	16.75
		290	4.36	1.87	-1.21	1.87	-1.21	-0.07	745.70	413.86	745.60	413.96	-5.82
		287	4.34	1.81	-1.07	1.54	-0.80	0.84	731.03	263.16	711.94	282.25	92.55
		322	3.87	2.95	-0.70	2.24	2.98e-03	1.44	632.29	166.39	620.48	178.21	73.24
148	76	332	4.63	-0.83	-7.23	-6.72	-1.34	1.72	769.45	335.16	756.24	348.37	74.58
		290	5.23	1.71	-7.39	-7.26	1.58	1.07	871.17	470.27	862.94	478.51	56.86
		287	5.49	3.17	-6.94	-6.06	2.29	2.84	912.09	307.02	869.76	349.35	154.35
		322	4.94	1.04	-7.36	-5.86	-0.45	3.21	809.39	225.20	778.71	255.88	130.31
148	108	332	4.07	-0.22	-2.30	-1.52	-1.00	1.00	696.10	301.95	691.40	306.64	42.77
		290	4.69	0.11	-2.53	-2.46	0.04	0.42	798.88	441.14	797.54	442.48	21.85
		287	4.78	1.45	-2.92	-2.08	0.60	1.73	809.53	282.83	780.67	311.69	119.87
		322	4.25	1.41	-3.22	-1.60	-0.20	2.20	709.01	192.45	689.28	212.17	99.00
149	4	297	9.47	6.77	-3.24	4.52	-0.99	4.18	1431.77	85.70	1425.98	91.48	88.07
		256	9.83	3.83	-5.83	3.06	-5.07	2.61	1453.90	25.04	1416.23	62.71	228.92
		262	10.65	3.66	-5.56	1.59	-3.48	3.85	1446.69	-234.69	1446.08	-234.08	31.96
		289	9.61	6.20	-3.73	1.95	0.52	4.92	1387.48	-76.09	1379.92	-68.53	104.91
149	34	297	6.79	4.60	-2.23	3.06	-0.69	2.85	1031.44	68.77	1026.12	74.09	71.38
		256	7.04	2.60	-3.96	2.07	-3.43	1.79	1044.64	22.01	1015.28	51.37	170.77
		262	7.60	2.50	-3.78	1.07	-2.35	2.63	1036.32	-163.37	1035.66	-162.71	28.00
		289	6.88	4.23	-2.57	1.32	0.34	3.36	997.96	-46.07	991.63	-39.73	81.08
149	47	297	5.19	2.06	-1.29	1.34	-0.57	1.37	806.62	84.43	796.93	94.11	83.07
		256	5.26	1.22	-1.82	0.94	-1.54	0.88	797.79	37.98	766.71	69.07	150.51
		262	5.63	1.22	-1.71	0.54	-1.03	1.24	778.31	-109.80	776.73	-108.22	37.45
		289	5.19	1.94	-1.37	0.64	-0.07	1.62	771.45	-3.25	763.20	4.99	79.48
149	54	297	4.77	1.75	-1.12	1.13	-0.50	1.18	746.22	85.87	734.99	97.10	85.37
		256	4.85	1.03	-1.53	0.78	-1.27	0.76	737.16	38.36	705.01	70.51	146.41
		262	5.15	1.06	-1.44	0.45	-0.83	1.07	715.91	-92.64	714.00	-90.74	39.17
		289	4.75	1.69	-1.20	0.55	-0.06	1.41	712.39	10.15	703.49	19.06	78.58
149	60	297	7.77	1.73	-2.35	-1.36	0.74	-1.75	1217.54	140.18	1199.92	157.80	136.64
		256	7.77	-0.58	-3.99	-1.40	-3.17	-1.46	1217.17	120.29	1186.83	150.63	179.87
		262	8.07	-1.07	-2.90	-1.07	-2.90	-8.94e-04	1202.33	-13.40	1193.34	-4.40	104.16
		289	7.77	1.23	-0.58	-0.57	1.22	-0.13	1180.72	44.70	1162.63	62.80	142.23
149	92	297	6.04	0.19	-0.19	-0.06	0.05	-0.18	955.44	110.52	941.26	124.70	108.56
		256	6.11	-0.22	-2.12	-0.26	-2.08	-0.27	949.59	74.85	918.89	105.55	160.99
		262	6.44	-0.05	-1.91	-0.24	-1.71	0.56	931.43	-57.58	926.79	-52.93	67.60
		289	6.05	0.97	-0.45	0.03	0.50	0.67	920.09	26.50	907.22	39.36	106.46
150	18	241	9.37	-0.77	-4.30	-4.28	-0.78	-0.24	1201.16	-343.11	369.98	488.08	-769.87
		236	5.70	-0.55	-4.67	-4.47	-0.76	-0.90	763.53	-151.58	222.51	389.44	-449.87
		202	6.46	-0.19	-5.12	-4.75	-0.56	-1.31	920.37	-90.91	540.85	288.62	-489.66
		203	9.65	-0.48	-4.28	-4.10	-0.67	-0.82	1298.89	-259.22	682.45	357.21	-761.89
150	41	241	6.44	-0.56	-2.90	-2.90	-0.57	-0.11	837.73	-217.18	282.13	338.42	-526.70
		236	3.87	-0.40	-3.14	-3.00	-0.54	-0.59	529.05	-86.29	174.54	268.22	-304.08
		202	4.47	-0.13	-3.40	-3.16	-0.38	-0.87	644.15	-49.80	395.02	199.34	-332.89
		203	6.68	-0.34	-2.86	-2.75	-0.46	-0.52	909.83	-162.31	499.35	248.18	-521.15
150	52	241	3.66	-0.28	-0.77	-0.72	-0.33	0.15	550.89	8.61	347.85	211.65	-262.45
		236	1.98	-0.20	-0.73	-0.71	-0.22	-0.11	323.60	70.02	240.15	153.47	-119.15
		202	2.78	-0.02	-0.61	-0.54	-0.10	-0.19	439.14	51.21	372.72	117.64	-146.14
		203	4.17	-0.14	-0.53	-0.53	-0.15	-0.02	631.20	15.11	488.87	157.44	-259.67
150	54	241	3.22	-3.85e-04	-0.58	-0.27	-0.31	0.29	506.35	55.33	373.07	188.61	-205.79
		236	1.77	-0.11	-0.26	-0.21	-0.16	0.07	298.81	95.84	263.33	131.32	-77.09
		202	2.57	0.02	-0.03	0.02	-0.03	0.01	413.60	66.26	378.32	101.55	-104.93
		203	3.80	0.06	-0.25	-0.11	-0.08	0.15	592.02	48.54	500.09	140.47	-203.74
150	83	241	8.60	-0.65	-4.17	-3.71	-1.11	1.19	1171.29	-186.50	566.90	417.89	-674.79
		236	5.99	-0.69	-3.86	-3.65	-0.90	0.79	838.86	-88.33	452.24	298.29	-457.16
		202	7.07	-0.68	-3.94	-3.76	-0.85	0.73	1017.41	-55.31	650.01	312.09	-509.05
		203	9.34	-0.61	-4.24	-3.90	-0.95	1.06	1318.52	-124.15	780.15	414.22	-697.75
150	115	241	5.66	-0.38	-2.19	-1.89	-0.69	0.68	811.53	-55.24	459.06	297.23	-425.77
		236	3.62	-0.41	-1.93	-1.83	-0.51	0.38	542.78	14.54	346.93	210.39	-255.14
		202	4.54	-0.34	-1.83	-1.76	-0.41	0.32	683.62	21.40	503.89	201.12	-294.48
		203	6.27	-0.30	-2.07	-1.89	-0.49	0.54	921.17	-21.44	629.73	269.99	-435.63
151	4	255	8.79	3.06	-5.10	0.12	-2.16	3.91	1269.98	-85.05	1239.44	-54.50	-201.14
		211	9.84	1.53	-7.72	0.81	-6.99	2.49	1139.04	-522.62	875.77	-259.35	-606.76
		194	6.69	0.47	-5.70	-0.66	-4.57	2.39	979.92	-1.15	551.09	427.67	-486.64
		245	6.30	2.33	-4.72	-0.57	-1.81	3.47	1016.62	206.57	934.54	288.66	-244.45
151	34	255	6.26	2.09	-3.46	0.07	-1.45	2.67	908.75	-53.93	887.54	-32.73	-141.28
		211	6.97	1.04	-5.21	0.53	-4.71	1.70	809.30	-367.85	622.74	-181.29	-429.89
		194	4.75	0.34	-3.84	-0.44	-3.06	1.63	700.37	6.64	394.33	312.67	-344.46

151	47	245	4.49	1.60	-3.21	-0.40	-1.21	2.37	726.91	154.99	669.42	212.48	-171.97
		255	4.65	1.00	-1.56	0.06	-0.62	1.23	681.72	-27.26	665.27	-10.82	-106.72
		211	5.05	0.47	-2.16	0.19	-1.89	0.81	576.71	-280.10	439.92	-143.31	-313.84
		194	3.56	0.31	-1.59	-0.12	-1.16	0.79	528.55	4.56	289.31	243.80	-261.00
151	54	245	3.32	0.85	-1.47	-0.18	-0.45	1.15	541.93	122.39	495.81	168.51	-131.23
		255	4.22	0.89	-1.33	0.04	-0.48	1.08	626.49	-11.75	611.95	2.79	-95.22
		211	4.55	0.40	-1.77	0.14	-1.51	0.70	526.87	-243.36	402.08	-118.58	-283.80
		194	3.23	0.30	-1.29	-0.10	-0.89	0.69	487.36	18.76	267.45	238.67	-233.86
151	60	245	3.03	0.77	-1.25	-0.16	-0.32	1.01	500.30	126.90	458.87	168.32	-117.27
		255	10.15	1.84	-2.86	1.06	-2.09	-1.74	1574.16	139.94	1546.77	167.33	-196.30
		211	10.45	2.19	-5.49	1.58	-4.87	-2.09	1515.49	-51.93	1302.67	160.89	-536.93
		194	7.33	-0.50	-4.78	-0.89	-4.39	-1.23	1127.61	63.92	634.48	557.05	-530.43
151	92	245	5.00	-0.36	-2.31	-0.61	-2.07	-0.65	821.94	182.28	751.76	252.46	-199.92
		255	6.84	0.52	-1.21	0.49	-1.18	-0.24	1047.81	55.33	1027.79	75.35	-139.53
		211	7.11	0.87	-3.04	0.77	-2.95	-0.60	965.67	-160.62	802.53	2.52	-396.39
		194	5.04	-0.42	-2.41	-0.44	-2.39	-0.21	771.19	36.48	430.03	377.65	-366.42
152	18	245	3.89	-0.29	-1.14	-0.36	-1.08	0.22	642.02	150.25	587.37	204.90	-154.56
		269	6.58	22.43	-18.65	3.37	0.41	20.48	693.82	-207.81	226.88	259.12	-450.53
		359	3.79	25.97	-12.56	17.49	-4.08	15.97	298.36	-171.54	-1.82	128.64	-225.71
		352	1.89	5.88	-8.98	-0.35	-2.76	7.33	155.67	-95.14	29.83	30.71	-125.40
152	41	363	3.52	21.49	-10.40	1.00	10.08	15.28	254.83	-194.60	94.87	-34.63	-215.19
		269	4.54	15.07	-12.85	2.22	1.25e-03	13.92	490.16	-130.47	166.80	192.88	-310.04
		359	2.61	17.37	-8.63	12.28	-3.54	10.32	206.15	-121.34	-6.86	91.67	-156.16
		352	1.30	3.71	-5.73	1.01e-03	-2.02	4.61	105.21	-71.92	17.09	16.19	-88.57
152	52	363	2.40	14.08	-6.49	1.13	6.46	9.93	169.98	-142.48	62.71	-35.21	-148.36
		269	2.49	5.60	-7.36	0.16	-1.92	6.39	324.35	3.75	145.98	182.12	-159.28
		359	1.45	7.20	-7.04	7.04	-6.88	1.50	113.92	-82.44	-35.28	66.75	-83.88
		352	0.70	1.39	-1.75	1.39	-1.75	-0.09	42.01	-74.90	-11.02	-21.87	-58.20
152	54	363	1.17	4.12	-0.92	2.96	0.23	2.12	58.45	-126.63	17.74	-85.92	-76.67
		269	2.15	3.62	-6.48	-0.35	-2.52	4.93	297.33	33.34	145.21	185.45	-130.45
		359	1.29	6.10	-8.15	6.08	-8.13	-0.56	98.96	-76.92	-42.11	64.15	-70.07
		352	0.73	2.18	-2.17	1.79	-1.78	-1.24	28.64	-78.79	-18.04	-32.11	-53.25
152	83	363	1.07	3.61	-1.28	3.57	-1.24	0.42	36.47	-129.57	7.89	-100.99	-62.67
		269	5.86	43.74	-13.48	18.28	11.98	28.43	635.99	-63.86	269.36	302.78	-349.53
		359	4.17	34.26	1.01	26.43	8.84	14.11	451.94	-102.18	93.76	255.99	-264.92
		352	3.32	24.35	-0.57	10.42	13.36	12.37	379.92	-59.51	150.16	170.24	-219.48
152	111	363	4.39	35.38	-12.38	10.45	12.55	23.86	355.12	-168.46	160.85	25.82	-252.93
		269	3.76	22.08	-8.90	9.24	3.95	15.26	452.54	-5.15	206.94	240.46	-228.23
		359	2.59	19.43	-2.81	16.57	0.05	7.45	260.05	-82.98	24.84	152.23	-159.25
		352	1.86	11.94	-0.30	6.22	5.42	6.11	188.62	-70.81	58.22	59.59	-129.72
153	18	363	2.41	16.40	-5.79	7.08	3.52	10.95	176.76	-142.12	77.41	-42.77	-147.68
		250	12.35	-1.32	-4.87	-4.82	-1.37	0.41	1584.05	-440.52	553.78	589.75	-1012.12
		241	9.41	-0.94	-5.02	-4.88	-1.09	-0.76	1210.20	-336.19	407.18	466.83	-772.62
		203	9.71	-0.33	-5.62	-5.27	-0.68	-1.32	1302.82	-267.08	694.78	340.95	-764.75
153	41	204	12.87	-0.83	-5.09	-5.03	-0.89	-0.51	1647.25	-471.17	781.92	394.17	-1041.32
		250	8.53	-0.91	-3.35	-3.29	-0.97	0.38	1109.32	-280.17	419.33	409.82	-694.73
		241	6.46	-0.70	-3.38	-3.30	-0.77	-0.45	844.32	-213.05	307.72	323.56	-528.63
		203	6.72	-0.24	-3.75	-3.52	-0.46	-0.86	912.66	-167.73	507.92	237.01	-522.94
153	52	204	8.92	-0.59	-3.45	-3.42	-0.61	-0.28	1156.37	-304.49	576.75	275.13	-714.69
		250	5.27	-0.15	-1.27	-0.89	-0.52	0.53	779.31	-9.75	507.82	261.74	-374.86
		241	3.71	-0.37	-0.83	-0.81	-0.39	0.09	556.95	5.62	360.45	202.11	-264.05
		203	4.20	-0.11	-0.69	-0.68	-0.13	-0.09	633.86	12.06	494.09	151.83	-259.56
153	54	204	5.71	-0.16	-0.93	-0.87	-0.22	0.20	830.93	-40.97	606.72	183.24	-381.08
		250	4.79	0.24	-1.10	-0.39	-0.47	0.67	734.26	43.81	543.39	234.68	-308.80
		241	3.28	-5.02e-03	-0.61	-0.29	-0.33	0.30	512.33	50.57	382.81	180.08	-207.44
		203	3.83	0.07	-0.22	-0.10	-0.05	0.15	594.67	46.02	504.63	136.05	-203.20
153	83	204	5.24	0.15	-0.71	-0.42	-0.15	0.41	787.50	10.46	631.23	166.73	-311.46
		250	12.29	-0.43	-5.65	-4.71	-1.38	2.01	1622.90	-345.30	798.24	479.37	-971.10
		241	9.81	-0.74	-5.07	-4.59	-1.23	1.37	1303.86	-263.02	634.42	406.42	-775.10
		203	10.38	-0.75	-5.31	-5.00	-1.06	1.16	1441.85	-176.88	856.39	408.58	-777.78
153	115	204	12.86	-0.55	-5.93	-5.32	-1.16	1.70	1741.49	-293.81	988.87	458.80	-982.53
		250	8.20	-0.20	-3.13	-2.42	-0.91	1.26	1142.21	-135.33	655.97	350.91	-620.29
		241	6.25	-0.44	-2.62	-2.31	-0.75	0.77	875.84	-94.61	493.86	287.37	-474.11
		203	6.76	-0.35	-2.56	-2.39	-0.52	0.59	979.07	-48.69	665.30	265.08	-473.32
154	4	204	8.69	-0.24	-3.10	-2.71	-0.63	0.98	1223.30	-123.31	794.73	305.26	-627.25
		228	16.77	4.19	-7.61	-2.63	-0.79	-5.83	2530.57	90.58	1929.07	692.07	-1051.59
		233	18.98	2.02	-4.01	-0.88	-1.11	-3.01	2629.51	-356.12	1336.42	936.97	-1479.40
		222	15.84	1.33	-6.59	-0.37	-4.89	-3.25	2429.45	135.12	992.57	1572.00	-1109.98
154	34	274	13.39	5.24	-8.24	-0.30	-2.69	-6.63	2164.99	477.90	1563.05	1079.83	-808.20
		228	12.07	2.83	-5.16	-1.79	-0.55	-3.95	1825.59	73.33	1396.44	502.49	-753.54
		233	13.63	1.35	-2.71	-0.60	-0.76	-2.03	1893.25	-250.62	961.88	680.75	-1062.68
		222	11.38	0.89	-4.46	-0.25	-3.32	-2.19	1749.58	105.01	715.67	1138.93	-794.59
154	47	274	9.61	3.54	-5.58	-0.20	-1.84	-4.49	1559.01	354.94	1130.46	783.49	-576.50
		228	9.55	1.35	-2.12	-0.54	-0.23	-1.73	1468.03	92.03	1147.91	412.15	-581.38
		233	10.73	0.50	-1.09	-0.35	-0.24	-0.79	1504.97	-182.14	777.37	545.46	-835.55
		222	9.00	0.08	-1.86	-0.23	-1.55	-0.71	1395.94	100.63	576.87	919.71	-624.55
		274	7.52	1.39	-2.31	-0.13	-0.79	-1.82	1242.63	319.12	922.30	639.45	-439.57

154	54	228	8.76	1.06	-1.80	-0.52	-0.22	-1.42	1350.73	91.55	1058.12	384.16	-531.82
		233	9.81	0.36	-0.92	-0.31	-0.25	-0.64	1380.86	-160.60	707.45	512.81	-764.56
		222	8.23	0.11	-1.55	-0.17	-1.28	-0.62	1281.97	103.75	529.02	856.71	-565.87
		274	6.87	1.14	-1.96	-0.10	-0.71	-1.52	1139.95	305.17	849.46	595.66	-397.63
154	55	228	19.41	5.52	-5.85	-0.20	-0.12	-5.68	3068.16	381.38	2952.28	497.26	-545.82
		233	20.12	5.51	-5.23	0.10	0.18	-5.37	3037.07	101.72	2491.66	647.13	-1141.72
		222	16.35	4.63	-7.65	-2.29	-0.74	-6.09	2364.97	-86.68	1218.51	1059.78	-1223.25
		274	11.36	5.21	-7.79	-1.79	-0.79	-6.48	1848.33	413.08	1628.66	632.75	-516.75
154	87	228	13.12	3.07	-3.61	-0.37	-0.17	-3.34	2072.19	257.72	1895.72	434.19	-537.64
		233	13.96	2.65	-2.83	-0.12	-0.06	-2.74	2073.74	-4.87	1497.61	571.26	-930.39
		222	11.69	1.98	-4.12	-1.10	-1.04	-3.05	1749.31	32.21	835.44	946.08	-856.77
		274	8.75	2.95	-4.54	-0.84	-0.74	-3.74	1439.18	367.12	1194.47	611.83	-449.96
155	4	223	13.25	4.47	-10.75	-5.87	-0.40	-7.10	2097.09	262.70	1887.15	472.65	-583.99
		228	16.27	4.05	-7.56	-2.25	-1.26	-5.78	2461.56	104.40	1941.19	624.77	-977.65
		274	13.40	5.29	-8.20	0.24	-3.14	-6.53	2176.66	507.82	1615.55	1068.93	-788.39
		268	11.30	8.42	-9.23	0.91	-1.72	-8.73	1854.95	544.52	1626.00	773.48	-497.60
155	34	223	9.56	3.03	-7.32	-3.98	-0.30	-4.84	1516.96	198.70	1371.14	344.51	-413.47
		228	11.70	2.73	-5.13	-1.53	-0.87	-3.91	1775.64	83.53	1404.91	454.25	-699.91
		274	9.62	3.57	-5.56	0.17	-2.15	-4.41	1567.62	376.69	1168.37	775.93	-562.21
		268	8.12	5.70	-6.28	0.65	-1.22	-5.91	1338.52	404.54	1180.27	562.79	-350.37
155	47	223	7.70	1.37	-3.16	-1.47	-0.32	-2.19	1239.00	198.85	1146.36	291.49	-296.28
		228	9.25	1.20	-2.10	-0.54	-0.36	-1.65	1426.09	98.90	1152.10	372.90	-537.19
		274	7.54	1.38	-2.33	0.03	-0.98	-1.78	1250.64	337.29	952.67	635.26	-428.21
		268	6.41	2.40	-2.78	0.44	-0.83	-2.51	1078.84	371.57	979.74	470.67	-245.50
155	54	223	7.09	1.13	-2.73	-1.29	-0.31	-1.87	1143.26	190.04	1061.59	271.70	-266.79
		228	8.48	0.95	-1.79	-0.51	-0.33	-1.37	1311.86	98.69	1061.96	348.60	-490.63
		274	6.89	1.13	-1.96	0.03	-0.86	-1.48	1147.70	322.14	877.78	592.05	-387.27
		268	5.88	1.99	-2.37	0.39	-0.77	-2.10	992.68	352.31	906.74	438.25	-218.28
155	64	223	10.09	4.50	-9.12	-2.78	-1.85	-6.79	1629.79	329.75	1453.81	505.73	-444.76
		228	12.27	4.11	-7.79	-2.13	-1.54	-5.94	1940.88	298.94	1443.03	796.78	-754.71
		274	9.97	5.98	-6.54	-0.38	-0.18	-6.26	1647.52	512.06	1154.34	1005.24	-562.81
		268	8.04	6.09	-8.45	0.05	-2.41	-7.17	1342.67	500.37	1194.98	648.07	-320.29
155	96	223	8.44	2.65	-5.59	-1.95	-0.98	-4.09	1364.18	256.46	1244.71	375.93	-343.61
		228	10.13	2.38	-4.50	-1.24	-0.88	-3.44	1590.27	194.58	1239.78	545.07	-605.25
		274	8.23	3.30	-4.00	-0.16	-0.54	-3.65	1366.97	411.98	1005.86	773.09	-463.10
		268	6.85	3.83	-5.12	0.24	-1.53	-4.39	1151.16	421.18	1040.27	532.07	-262.01
156	11	237	4.17	1.61	-3.06	-1.00	-0.45	2.32	684.92	530.29	681.72	533.50	22.02
		196	4.05	0.60	-2.80	-0.51	-1.69	1.59	693.33	398.73	407.77	684.29	50.81
		197	4.27	0.50	-1.66	-0.52	-0.63	1.08	703.81	170.94	476.25	398.50	263.58
		247	4.52	1.03	-2.11	-0.84	-0.24	1.54	771.18	268.44	743.60	296.02	114.48
156	37	237	3.00	1.10	-2.06	-0.69	-0.28	1.57	493.33	381.37	490.16	384.54	18.59
		196	2.92	0.42	-1.87	-0.34	-1.11	1.08	500.76	285.17	292.56	493.37	39.21
		197	3.08	0.35	-1.10	-0.35	-0.40	0.72	505.97	118.95	339.54	285.38	191.61
		247	3.26	0.70	-1.41	-0.57	-0.14	1.03	555.80	190.75	534.25	212.29	86.03
156	52	237	2.15	0.63	-1.04	-0.38	-0.03	0.81	349.57	282.68	349.48	282.77	2.43
		196	2.10	0.31	-0.83	-0.15	-0.37	0.56	361.48	203.85	204.95	360.38	13.09
		197	2.00	0.27	-0.45	-0.16	-0.02	0.35	334.38	97.63	223.83	208.18	118.11
		247	2.26	0.41	-0.68	-0.33	0.07	0.51	386.48	144.83	373.26	158.04	54.93
156	54	237	2.06	0.43	-0.69	-0.26	-5.93e-03	0.55	333.01	276.08	333.01	276.08	0.12
		196	2.04	0.26	-0.50	-0.05	-0.19	0.37	351.51	192.93	193.19	351.24	6.45
		197	1.81	0.21	-0.26	-0.07	0.03	0.23	306.09	97.28	199.44	203.93	104.38
		247	2.12	0.29	-0.45	-0.24	0.08	0.34	363.61	142.74	349.36	156.99	54.26
156	64	237	3.35	0.60	-3.26	-0.64	-2.02	1.80	565.71	382.67	552.72	395.67	47.01
		196	3.61	0.36	-3.83	-0.54	-2.93	1.72	622.19	324.19	435.27	511.12	144.09
		197	4.72	0.16	-3.24	-0.42	-2.66	1.28	772.23	171.58	572.58	371.23	282.94
		247	4.32	4.39e-03	-2.78	-0.89	-1.89	1.30	733.20	242.89	698.98	277.11	124.93
156	88	237	2.71	0.31	-1.42	-0.42	-0.69	0.85	451.90	328.19	451.50	328.59	7.02
		196	2.75	0.12	-1.58	-0.28	-1.18	0.72	465.51	304.77	322.93	447.35	50.89
		197	3.03	0.04	-1.15	-0.18	-0.94	0.46	513.55	167.76	375.40	305.91	169.37
		247	3.12	-0.29	-0.72	-0.43	-0.59	-0.20	531.58	197.98	513.81	215.76	74.93
157	18	264	4.96	-2.34	-4.82	-2.34	-4.82	0.04	716.62	-30.90	216.13	469.59	-351.62
		293	3.57	-2.03	-3.87	-2.03	-3.87	-4.48e-03	518.83	-22.89	342.27	153.68	-253.92
		299	7.48	-2.16	-4.50	-3.15	-3.51	-1.16	916.11	-326.97	402.18	186.95	-612.15
		265	7.72	-3.37	-5.71	-3.80	-5.27	-0.91	1065.19	-162.33	288.09	614.77	-591.62
157	37	264	3.67	-1.14	-2.73	-1.14	-2.73	-0.02	560.53	23.29	466.34	117.48	-204.28
		293	3.67	-1.30	-2.36	-1.30	-2.36	-0.03	469.86	-134.29	425.12	-89.55	-158.20
		299	5.29	-1.48	-2.10	-1.54	-2.04	-0.18	658.90	-221.34	438.19	-0.63	-381.53
		265	4.56	-1.34	-3.14	-1.35	-3.14	-0.06	693.39	27.15	476.38	244.16	-312.22
157	50	264	5.34	-0.34	-1.52	-0.35	-1.51	-0.09	717.14	-142.28	701.62	-126.76	-114.43
		293	4.85	-0.71	-1.48	-0.75	-1.44	-0.18	556.53	-263.28	543.73	-250.48	-101.62
		299	4.79	-0.21	-1.19	-0.32	-1.08	0.31	603.69	-190.39	528.39	-115.10	-232.64
		265	4.71	0.49	-1.90	0.41	-1.82	0.43	692.75	-16.17	669.62	6.96	-125.96
157	54	264	5.21	-0.33	-1.50	-0.34	-1.49	-0.10	703.21	-133.90	687.95	-118.64	-111.99
		293	4.72	-0.68	-1.47	-0.73	-1.42	-0.19	547.79	-248.09	535.11	-235.41	-99.65
		299	4.66	-0.20	-1.16	-0.30	-1.07	0.29	593.09	-176.94	520.68	-104.52	-224.76
		265	4.59	0.49	-1.86	0.42	-1.79	0.41	678.97	-9.81	656.82	12.35	-121.52
157	70	264	11.53	1.97	-2.84	1.72	-2.59	1.07	1210.00	-747.30	1200.23	-737.53	137.95

		293	11.65	1.86	-0.10	1.23	0.53	0.92	1369.70	-592.04	1365.32	-587.65	92.62
		299	9.08	4.01	0.52	3.37	1.16	1.35	1040.10	-484.92	1036.74	-481.56	71.55
		265	11.07	4.47	-3.29	4.15	-2.96	1.55	1193.52	-659.42	1162.87	-628.77	236.33
157	102	264	7.86	0.67	-2.06	0.61	-2.00	0.41	911.54	-406.81	911.54	-406.80	3.01
		293	7.70	0.28	-0.61	0.17	-0.50	0.28	900.78	-398.54	900.68	-398.44	-11.29
		299	6.24	1.71	-0.34	1.39	-0.02	0.74	752.23	-287.06	744.71	-279.54	-88.10
		265	7.14	2.31	-2.51	2.13	-2.33	0.91	877.65	-287.69	876.04	-286.08	43.24
158	21	258	5.50	0.49	-4.42	0.45	-4.38	-0.44	727.85	-130.97	-128.57	725.45	45.32
		296	2.69	-0.94	-3.07	-1.17	-2.84	-0.66	409.91	42.64	54.64	397.91	65.28
		293	2.88	-1.78	-3.26	-1.82	-3.23	-0.23	422.13	-6.23	110.03	305.88	-190.48
		264	5.67	-1.85	-4.63	-1.93	-4.55	-0.47	713.10	-212.58	-105.65	606.17	-295.88
158	37	258	2.56	-0.66	-3.02	-0.71	-2.97	-0.34	436.23	248.91	384.15	300.99	-83.93
		296	2.08	-1.07	-2.34	-1.35	-2.06	-0.53	344.94	103.93	334.10	114.77	49.95
		293	3.57	-1.26	-2.06	-1.33	-2.00	-0.21	460.44	-127.16	419.31	-86.02	-149.93
		264	3.69	-1.10	-3.29	-1.13	-3.25	-0.27	564.78	24.48	459.73	129.54	-213.83
158	50	258	4.43	-1.26	-1.86	-1.32	-1.80	-0.18	653.24	-20.28	613.53	19.43	-158.64
		296	3.19	-0.95	-1.64	-1.23	-1.35	-0.34	456.58	-35.93	456.36	-35.71	10.30
		293	4.77	-0.68	-1.15	-0.80	-1.03	-0.20	552.77	-254.10	540.36	-241.69	-99.30
		264	5.49	-0.51	-2.09	-0.52	-2.08	-0.12	722.23	-167.02	703.80	-148.59	-126.69
158	54	258	4.35	-1.24	-1.84	-1.31	-1.78	-0.18	642.22	-16.87	602.08	23.27	-157.62
		296	3.12	-0.93	-1.62	-1.21	-1.34	-0.34	450.23	-28.50	450.14	-28.40	6.61
		293	4.64	-0.65	-1.14	-0.78	-1.02	-0.21	544.19	-239.12	531.84	-226.77	-97.56
		264	5.36	-0.49	-2.06	-0.50	-2.05	-0.13	708.27	-158.28	690.11	-140.13	-124.11
158	65	258	9.22	-1.08	-5.37	-1.54	-4.91	-1.32	1149.48	-367.22	1105.25	-323.00	-255.19
		296	7.53	0.86	-2.04	-0.84	-0.34	-1.42	981.21	-249.95	977.40	-246.14	-68.38
		293	11.11	1.15	-0.67	0.41	0.06	-0.89	1390.64	-452.31	1387.78	-449.46	-72.49
		264	12.50	0.88	-5.50	0.71	-5.33	-1.02	1537.63	-517.87	1510.53	-490.77	-234.46
158	97	258	6.46	-1.17	-3.48	-1.42	-3.24	-0.71	864.76	-174.21	824.53	-133.98	-200.45
		296	5.06	-0.11	-1.82	-1.04	-0.88	-0.85	684.30	-128.40	683.36	-127.47	-27.55
		293	7.46	0.17	-0.94	-0.24	-0.53	-0.53	912.32	-334.13	906.25	-328.06	-86.78
		264	8.50	0.12	-3.65	0.05	-3.58	-0.53	1070.35	-321.47	1048.28	-299.41	-173.86
159	4	301	7.25	16.65	-3.28	15.16	-1.80	-5.23	1156.56	460.38	1123.87	493.07	-147.27
		306	9.62	9.82	-6.59	7.69	-4.47	-5.51	1605.16	687.58	1529.22	763.52	-252.81
		290	8.39	8.47	-4.31	8.43	-4.26	-0.76	1410.23	697.38	1405.51	702.10	-57.79
		332	7.29	14.11	-0.84	13.96	-0.68	1.49	1172.10	422.53	1169.16	425.47	-46.85
159	34	301	5.20	11.26	-2.26	10.31	-1.31	-3.46	835.30	343.88	816.13	363.05	-95.15
		306	6.91	6.63	-4.48	5.23	-3.08	-3.69	1156.65	507.63	1106.39	557.88	-173.46
		290	6.03	5.73	-2.94	5.70	-2.91	-0.47	1016.23	511.65	1014.01	513.87	-33.35
		332	5.24	9.55	-0.63	9.44	-0.51	1.07	847.43	314.25	846.44	315.23	-22.89
159	47	301	4.10	4.58	-1.46	4.41	-1.28	-1.01	686.20	324.48	683.81	326.87	-29.29
		306	5.42	2.56	-2.00	2.17	-1.61	-1.27	925.41	450.97	900.58	475.80	-105.64
		290	4.74	2.27	-1.44	2.27	-1.44	0.10	808.68	441.48	808.68	441.48	0.64
		332	4.14	3.89	-0.84	3.74	-0.69	0.82	693.48	289.52	692.05	290.95	23.96
159	54	301	3.77	3.85	-1.28	3.73	-1.16	-0.76	633.47	305.65	632.58	306.54	-17.09
		306	4.97	2.15	-1.71	1.85	-1.41	-1.03	850.32	426.29	831.12	445.48	-88.14
		290	4.36	1.91	-1.24	1.91	-1.23	0.12	745.28	414.61	744.96	414.94	10.43
		332	3.83	3.27	-0.77	3.13	-0.63	0.75	642.71	272.85	639.72	275.85	33.15
159	74	301	4.74	-0.84	-6.57	-5.59	-1.82	2.16	794.34	472.16	770.29	496.21	84.69
		306	5.98	0.70	-6.90	-6.60	0.40	1.48	980.35	687.51	976.30	691.56	-34.20
		290	5.05	2.53	-6.15	-4.65	1.03	3.29	848.68	558.31	817.26	589.73	90.19
		332	4.40	2.03	-7.46	-3.84	-1.59	4.61	759.12	358.21	685.27	432.06	155.42
159	114	301	4.09	-0.69	-2.32	-1.56	-1.45	0.81	699.42	390.04	695.15	394.31	36.10
		306	5.33	-0.30	-3.07	-3.03	-0.35	0.35	902.80	540.54	893.96	549.38	-55.89
		290	4.59	1.10	-3.34	-2.24	-2.83e-03	1.91	780.31	478.05	771.28	487.07	51.43
		332	3.96	1.68	-4.08	-1.26	-1.14	2.88	682.66	323.82	655.96	350.53	94.17
160	4	290	8.39	8.19	-3.92	7.89	-3.62	-1.88	1411.36	693.01	1390.32	714.05	-121.13
		242	7.87	4.36	-6.65	3.92	-6.21	-2.15	1306.04	972.34	1246.94	1031.44	-127.39
		248	7.57	3.72	-5.93	3.62	-5.83	0.96	1291.74	610.98	1250.47	652.25	162.45
		287	8.39	7.30	-3.04	6.85	-2.60	2.10	1379.72	433.46	1376.39	436.79	56.03
160	34	290	6.04	5.53	-2.68	5.34	-2.49	-1.24	1017.18	508.38	1004.76	520.80	-78.53
		242	5.67	2.94	-4.50	2.66	-4.22	-1.43	937.22	710.07	898.45	748.83	-85.46
		248	5.46	2.52	-4.02	2.45	-3.95	0.67	931.41	442.71	898.24	475.89	122.93
		287	6.04	4.95	-2.10	4.63	-1.79	1.45	995.49	318.50	991.93	322.06	48.96
160	47	290	4.74	2.20	-1.37	2.18	-1.35	-0.26	809.68	438.66	806.73	441.62	-32.96
		242	4.50	1.09	-1.92	1.04	-1.87	-0.38	733.70	593.18	708.97	617.91	-53.51
		248	4.24	1.11	-1.83	1.02	-1.74	0.49	728.29	367.16	691.31	404.14	109.48
		287	4.69	2.10	-1.22	1.88	-0.99	0.84	789.08	279.47	780.18	288.37	66.75
160	54	290	4.37	1.85	-1.18	1.84	-1.17	-0.19	746.39	411.83	745.20	413.02	-19.92
		242	4.15	0.92	-1.62	0.88	-1.58	-0.31	669.54	558.64	652.76	575.42	-39.74
		248	3.93	0.94	-1.53	0.86	-1.45	0.42	676.23	338.10	635.60	378.73	109.95
		287	4.34	1.78	-1.05	1.58	-0.85	0.73	730.94	262.44	719.64	273.73	71.86
160	56	290	6.63	1.21	-1.74	-1.34	0.82	1.01	1132.97	455.07	1128.06	459.98	-57.48
		242	6.27	-1.53	-3.70	-1.86	-3.37	0.78	1065.76	664.10	1043.25	686.61	92.38
		248	6.93	-0.58	-4.48	-1.73	-3.32	1.78	1184.78	431.74	1116.78	499.74	215.83
		287	7.17	2.09	-2.18	-1.18	1.08	1.81	1196.26	330.72	1191.72	335.26	62.53
160	88	290	5.31	0.49	-0.42	0.34	-0.26	0.35	918.16	431.55	915.41	434.31	-36.52
		242	5.01	-0.41	-2.38	-0.43	-2.36	0.19	828.00	623.77	826.44	625.33	17.80

		248	5.23	0.09	-2.74	-0.38	-2.27	1.05	900.89	380.89	848.84	432.94	156.06
		287	5.55	1.38	-1.08	0.26	0.03	1.23	935.95	293.90	928.72	301.13	67.75
161	4	253	8.83	12.40	-31.67	10.68	-29.94	-8.54	810.84	-493.35	782.49	-465.00	-190.19
		305	4.76	18.28	-15.20	11.14	-8.06	-13.72	431.29	-315.02	419.98	-303.71	91.19
		295	7.10	17.29	-13.36	12.56	-8.63	-11.08	755.94	-388.20	715.26	-347.51	211.87
		249	9.86	19.07	-18.14	18.19	-17.27	-5.65	1134.08	-327.20	1131.70	-324.82	-59.03
161	34	253	6.15	8.42	-21.63	7.24	-20.45	-5.84	580.52	-329.75	561.14	-310.37	-131.41
		305	3.32	12.37	-10.39	7.54	-5.57	-9.30	312.47	-210.95	302.83	-201.31	70.40
		295	4.99	11.68	-9.18	8.48	-5.99	-7.51	544.34	-258.44	514.66	-228.75	151.49
		249	6.91	12.92	-12.45	12.33	-11.86	-3.84	810.65	-211.29	809.07	-209.71	-40.22
161	47	253	3.75	3.66	-9.74	3.26	-9.34	-2.28	451.42	-105.51	437.78	-91.87	-86.09
		305	2.15	4.78	-4.74	3.26	-3.22	-3.49	265.94	-75.56	245.24	-54.86	81.48
		295	3.40	4.80	-4.34	3.87	-3.42	-2.76	439.01	-90.69	414.20	-65.89	111.91
		249	4.65	5.61	-5.91	5.47	-5.77	-1.26	633.46	-38.07	631.74	-36.34	-34.02
161	54	253	3.31	2.97	-8.57	2.62	-8.21	-1.99	408.05	-81.24	397.48	-70.66	-71.14
		305	1.92	3.94	-4.19	2.64	-2.89	-2.98	244.13	-59.03	224.16	-39.06	75.20
		295	2.99	3.84	-3.90	3.00	-3.07	-2.40	397.24	-64.97	374.95	-42.68	99.02
		249	4.05	4.50	-5.27	4.38	-5.15	-1.09	564.22	-14.35	563.05	-13.17	-26.03
161	83	253	7.88	20.77	-37.06	14.48	-30.76	-18.01	574.61	-503.28	505.95	-434.62	-263.24
		305	6.04	28.94	-18.76	17.90	-7.72	-20.12	373.77	-475.68	352.20	-454.11	-133.64
		295	6.66	20.49	-13.99	15.38	-8.88	-12.24	507.64	-493.91	492.62	-478.90	-121.71
		249	9.14	15.59	-31.24	13.46	-29.12	-9.75	710.64	-638.25	668.69	-596.29	-234.17
161	115	253	5.37	11.17	-21.94	8.13	-18.90	-9.56	483.27	-280.49	448.63	-245.84	-158.94
		305	3.55	15.68	-11.02	9.78	-5.12	-11.08	285.64	-235.34	284.84	-234.54	-20.47
		295	4.41	11.61	-8.61	8.78	-5.77	-7.02	429.61	-248.40	429.60	-248.39	-2.71
		249	6.25	9.60	-17.53	8.58	-16.51	-5.15	627.94	-306.79	611.72	-290.57	-122.04
162	4	339	5.34	5.94	-3.49	-3.33	5.78	1.22	753.64	-50.44	262.69	440.51	392.08
		316	5.26	5.17	-3.66	-2.42	3.94	3.06	864.86	209.03	729.18	344.72	265.66
		307	4.17	3.43	-3.69	-2.96	2.70	2.16	707.92	442.03	594.80	555.14	131.45
		336	4.83	3.76	-3.36	-3.27	3.67	0.80	786.54	213.55	294.23	705.86	199.30
162	34	339	3.84	4.06	-2.42	-2.30	3.94	0.88	549.80	-22.14	201.66	326.00	279.13
		316	3.80	3.54	-2.52	-1.66	2.68	2.12	626.91	158.09	529.84	255.17	189.97
		307	3.02	2.36	-2.54	-2.03	1.85	1.49	513.88	322.85	435.13	401.61	94.03
		336	3.46	2.58	-2.34	-2.27	2.51	0.57	567.44	166.52	224.16	509.80	140.66
162	47	339	2.88	1.87	-1.28	-1.08	1.66	0.79	451.91	61.12	222.02	291.01	192.33
		316	2.97	1.74	-1.31	-0.67	1.11	1.24	499.29	159.16	436.72	221.73	131.79
		307	2.42	1.23	-1.25	-0.87	0.85	0.89	408.21	277.62	372.00	313.83	58.46
		336	2.56	1.28	-1.27	-1.15	1.16	0.55	436.59	208.76	243.03	402.33	81.44
162	54	339	2.67	1.67	-1.21	-1.00	1.45	0.75	426.45	77.51	219.19	284.76	171.36
		316	2.75	1.55	-1.20	-0.61	0.97	1.13	466.11	163.48	410.35	219.24	117.32
		307	2.28	1.11	-1.13	-0.80	0.77	0.80	382.96	269.21	353.60	298.58	49.78
		336	2.39	1.13	-1.19	-1.08	1.02	0.50	408.24	208.83	236.84	380.23	69.29
162	62	339	3.18	3.39	-0.53	1.36	1.49	1.96	486.24	53.77	387.18	152.83	181.73
		316	4.07	3.69	-0.72	1.92	1.05	2.16	653.97	126.39	651.75	128.62	34.17
		307	2.99	2.78	-3.18	-1.20	0.81	2.81	503.54	192.79	502.82	193.51	-14.94
		336	2.44	3.63	-1.82	0.76	1.05	2.73	408.46	201.00	375.82	233.64	75.54
162	94	339	2.76	2.23	-0.68	0.08	1.47	1.28	438.61	81.12	292.85	226.88	175.68
		316	3.21	2.37	-0.82	0.55	1.00	1.58	535.56	161.69	517.63	179.61	79.88
		307	2.47	1.84	-2.01	-0.97	0.79	1.71	422.01	250.18	419.55	252.65	20.44
		336	2.26	2.04	-1.23	-0.22	1.03	1.51	379.59	234.60	298.23	315.96	71.95
163	11	321	3.69	1.62	-2.92	-2.40	1.10	1.45	616.43	236.15	558.80	293.78	-136.36
		286	4.57	1.39	-2.90	-1.90	0.39	1.81	765.82	254.81	764.54	256.08	-25.50
		298	5.93	0.68	-2.40	-2.01	0.29	1.02	861.53	-32.46	859.39	-30.32	-43.73
		325	4.94	0.69	-2.59	-2.40	0.49	0.78	654.35	-127.89	611.34	-84.88	-178.31
163	37	321	2.68	1.10	-1.99	-1.65	0.77	0.96	449.38	172.53	411.78	210.13	-94.85
		286	3.31	0.94	-1.95	-1.30	0.28	1.21	554.38	182.96	553.79	183.55	-14.76
		298	4.29	0.46	-1.62	-1.37	0.21	0.68	622.80	-24.74	621.59	-23.53	-28.00
		325	3.60	0.47	-1.75	-1.62	0.35	0.50	479.35	-88.69	450.54	-59.88	-124.64
163	50	321	2.27	0.42	-0.74	-0.70	0.37	0.21	382.72	131.65	365.35	149.02	-63.72
		286	2.50	0.37	-0.58	-0.45	0.23	0.33	420.76	136.32	420.69	136.38	-4.30
		298	3.18	0.21	-0.43	-0.38	0.17	0.16	463.52	-21.89	463.40	-21.76	-7.65
		325	2.99	0.23	-0.50	-0.50	0.23	0.03	419.51	-47.48	405.49	-33.45	-79.70
163	54	321	2.18	0.41	-0.73	-0.69	0.37	0.21	367.84	129.08	350.36	146.56	-62.19
		286	2.37	0.37	-0.58	-0.44	0.23	0.33	401.22	134.02	401.04	134.20	-6.91
		298	3.01	0.21	-0.42	-0.38	0.17	0.16	440.28	-16.40	440.08	-16.21	-9.36
		325	2.85	0.23	-0.50	-0.50	0.23	0.04	401.87	-41.58	387.94	-27.65	-77.34
163	68	321	3.72	0.33	-2.16	-1.57	-0.26	1.06	472.32	-126.46	390.36	-44.49	-205.81
		286	3.47	-0.06	-2.44	-1.35	-1.16	1.19	488.04	-47.55	465.92	-25.42	-106.59
		298	5.14	-0.06	-2.63	-1.52	-1.17	1.27	651.65	-191.17	640.13	-179.65	-97.87
		325	5.48	-0.29	-3.09	-2.42	-0.96	1.20	638.18	-271.89	586.18	-219.89	-211.25
163	100	321	2.74	0.34	-1.32	-1.07	0.08	0.60	412.39	18.59	368.39	62.58	-124.06
		286	2.77	0.14	-1.36	-0.84	-0.39	0.72	437.14	57.32	430.53	63.93	-49.67
		298	3.92	0.05	-1.36	-0.87	-0.43	0.67	532.90	-92.39	529.30	-88.80	-47.27
		325	3.98	-0.07	-1.58	-1.34	-0.32	0.56	506.00	-142.31	476.50	-112.81	-135.12
164	18	260	11.25	-3.37	-4.91	-3.39	-4.89	0.17	1485.61	-333.52	407.59	744.50	-893.83
		304	10.19	-2.68	-4.59	-4.41	-2.86	-0.56	1296.68	-386.72	459.46	450.50	-841.69
		250	12.20	-1.71	-6.13	-5.78	-2.06	-1.19	1574.85	-428.14	607.01	539.69	-1000.93

		272	13.94	-3.31	-5.78	-5.03	-4.07	1.14	1761.36	-525.71	492.35	743.29	-1136.63
164	41	260	7.67	-2.22	-3.47	-2.29	-3.41	0.28	1032.79	-193.02	327.57	512.20	-605.91
		304	7.04	-1.96	-3.07	-3.01	-2.02	-0.25	908.69	-246.61	356.25	305.83	-577.10
		250	8.41	-1.25	-4.10	-3.93	-1.42	-0.69	1102.59	-271.26	456.14	375.19	-685.73
		272	9.59	-2.15	-4.14	-3.46	-2.83	0.94	1231.84	-330.73	381.89	519.22	-778.26
164	52	260	4.57	0.09	-2.00	-0.39	-1.51	0.88	721.63	95.93	525.60	291.95	-290.22
		304	4.59	-0.48	-1.39	-0.77	-1.09	0.43	663.48	-40.30	472.92	150.26	-312.73
		250	5.21	-0.40	-1.19	-1.01	-0.58	0.34	774.51	-2.98	530.13	241.40	-360.94
		272	5.83	-0.05	-2.17	-1.10	-1.12	1.06	868.96	11.61	537.10	343.47	-417.60
164	54	260	4.32	0.74	-1.78	0.08	-1.11	1.11	700.90	137.78	590.46	248.22	-223.60
		304	4.34	0.17	-1.36	-0.26	-0.93	0.69	642.56	-9.57	514.05	118.95	-259.41
		250	4.75	0.29	-1.10	-0.38	-0.42	0.69	730.58	49.56	562.98	217.16	-293.34
		272	5.29	0.53	-1.91	-0.60	-0.78	1.22	821.70	80.74	591.09	311.35	-343.06
164	83	260	12.48	-2.10	-8.06	-4.40	-5.76	2.90	1751.93	-162.64	927.20	662.08	-948.06
		304	11.76	-1.04	-5.71	-4.28	-2.48	2.15	1529.06	-362.59	850.63	315.83	-907.24
		250	12.88	-0.89	-6.39	-5.16	-2.13	2.30	1710.66	-341.01	937.83	431.82	-994.15
		272	14.47	-2.55	-8.92	-5.83	-5.64	3.18	1990.08	-262.04	970.52	757.52	-1121.01
164	115	260	7.94	-0.67	-4.68	-2.03	-3.32	1.90	1175.13	7.65	737.59	445.20	-565.14
		304	7.69	-0.57	-3.25	-2.14	-1.68	1.32	1045.05	-169.80	660.92	214.34	-564.89
		250	8.45	-0.36	-3.51	-2.63	-1.25	1.41	1180.12	-131.74	727.24	321.13	-623.71
		272	9.49	-0.98	-5.18	-3.06	-3.10	2.10	1360.09	-78.61	757.90	523.58	-709.75
165	18	285	5.48	0.10	-3.76	-1.64	-2.03	-1.92	827.53	45.73	168.47	704.79	284.41
		320	5.29	0.83	-4.45	-3.59	-0.03	-1.95	674.69	-197.41	-124.31	601.59	241.68
		324	3.87	0.58	-2.95	-2.91	0.54	-0.34	385.53	-279.48	-63.26	169.31	311.51
		296	2.32	-1.06	-4.05	-1.37	-3.75	-0.90	380.72	183.56	210.34	353.94	67.54
165	41	285	3.74	-0.06	-2.64	-1.21	-1.49	-1.29	580.19	68.81	151.03	497.97	187.85
		320	3.63	0.51	-3.07	-2.49	-0.06	-1.31	480.18	-110.27	-61.57	431.48	162.43
		324	2.63	0.38	-2.15	-2.13	0.36	-0.24	263.76	-188.68	-30.32	105.40	215.80
		296	1.59	-0.85	-2.84	-1.05	-2.64	-0.60	260.14	161.06	189.37	231.83	44.76
165	50	285	2.25	-0.84	-1.75	-1.27	-1.31	-0.45	348.14	308.77	346.55	310.37	7.76
		320	1.97	-0.24	-1.32	-1.14	-0.42	-0.40	337.37	144.86	147.78	334.45	23.55
		324	1.30	-0.20	-1.68	-1.52	-0.36	-0.47	85.36	-131.33	26.57	-72.54	96.35
		296	3.11	-0.93	-1.59	-1.22	-1.30	-0.33	455.56	-14.40	455.27	-14.10	11.81
165	54	285	2.22	-0.84	-1.73	-1.26	-1.31	-0.44	343.72	305.39	343.32	305.79	3.90
		320	1.92	-0.25	-1.30	-1.13	-0.43	-0.39	330.14	148.85	151.13	327.86	20.19
		324	1.22	-0.21	-1.65	-1.48	-0.38	-0.47	88.06	-116.44	35.00	-63.39	89.64
		296	3.04	-0.91	-1.57	-1.20	-1.28	-0.33	449.14	-7.54	448.99	-7.40	8.02
165	82	285	5.87	1.96	-1.35	0.06	0.55	1.64	822.37	-96.45	792.11	-66.19	-163.99
		320	2.16	0.75	-3.64	-0.30	-2.58	1.88	104.89	-238.37	-30.63	-102.86	167.78
		324	5.45	0.09	-3.75	-0.11	-3.55	0.86	419.08	-503.90	380.17	-465.00	185.45
		296	6.88	1.49	-0.29	0.71	0.49	0.88	799.42	-365.09	788.27	-353.94	-113.39
165	114	285	3.40	0.05	-1.10	-0.63	-0.43	0.57	554.09	116.47	541.67	128.89	-72.67
		320	1.24	-0.28	-1.83	-0.73	-1.38	0.71	189.55	10.28	70.89	128.94	84.80
		324	3.02	-0.81	-1.82	-0.84	-1.78	0.18	230.64	-286.00	194.09	-249.44	132.47
		296	4.76	-0.10	-0.64	-0.30	-0.44	0.26	608.67	-175.95	605.56	-172.84	-49.33
166	20	342	6.75	2.10	-4.04	-1.47	-0.48	-3.03	1028.04	59.13	837.34	249.83	-385.23
		343	8.12	0.75	-5.95	-5.32	0.12	1.96	-347.85	-1332.79	-1305.17	-375.46	-162.60
		346	15.44	-0.82	-5.69	-4.69	-1.82	-1.97	1362.47	-1310.53	1135.62	-1083.68	-744.93
		106	34.57	2.70	-11.12	-10.71	2.29	2.34	-1531.17	-5719.11	-5600.38	-1649.89	695.07
166	39	342	4.15	1.29	-2.88	-1.25	-0.33	-2.03	611.96	-0.23	424.21	187.52	-282.29
		343	5.25	0.46	-4.12	-3.76	0.10	1.22	-229.81	-866.71	-781.33	-315.19	-217.00
		346	11.47	-0.52	-3.93	-3.30	-1.14	-1.32	977.52	-1005.04	864.92	-892.44	-458.86
		106	22.96	1.58	-7.46	-7.24	1.36	1.40	-1425.04	-3889.39	-3865.28	-1449.15	242.55
166	50	342	3.22	0.25	-1.04	-0.94	0.15	0.35	114.24	-412.46	-395.17	96.94	-93.85
		343	4.42	0.48	-0.66	-0.33	0.16	-0.52	416.84	-344.37	276.56	-204.09	-295.14
		346	4.43	0.28	-0.72	-0.45	0.02	0.44	346.05	-419.63	333.04	-406.61	98.98
		106	9.51	1.37	-1.12	0.41	-0.16	-1.21	-70.76	-1451.81	-379.34	-1143.22	-575.28
166	54	342	3.09	0.22	-1.01	-0.92	0.13	0.32	113.53	-392.87	-376.65	97.30	-89.18
		343	4.26	0.45	-0.65	-0.34	0.14	-0.49	409.11	-324.64	273.62	-189.14	-284.71
		346	4.23	0.26	-0.68	-0.45	0.02	0.41	331.79	-398.36	318.50	-385.06	97.63
		106	9.15	1.28	-1.10	0.38	-0.19	-1.15	-36.02	-1382.38	-335.09	-1083.31	-559.66
166	77	342	16.06	8.33	2.07	3.11	7.28	-2.34	2410.43	79.79	479.67	2010.55	-878.67
		343	5.41	3.46	0.15	2.94	0.67	-1.21	902.92	293.66	902.49	294.09	-16.19
		346	19.03	7.33	0.36	6.77	0.92	-1.90	3019.49	448.94	3015.82	452.61	-97.07
		106	22.57	12.91	2.17	8.34	6.75	-5.31	3305.46	-47.11	2405.88	852.47	-1485.49
166	97	342	8.00	3.30	0.64	0.85	3.08	-0.73	1065.65	-210.85	-23.07	877.88	-452.14
		343	4.15	1.62	-0.03	1.23	0.36	-0.70	607.08	-16.07	562.77	28.24	-160.16
		346	10.87	2.81	0.29	2.70	0.39	-0.49	1604.23	-30.02	1551.46	22.74	288.87
		106	13.07	6.02	0.36	3.74	2.64	-2.77	1391.88	-819.08	887.72	-314.93	-927.63
167	18	240	6.96	2.54	-11.10	-1.87	-6.68	-6.38	1040.30	125.01	424.68	740.63	429.52
		279	5.46	3.94	-8.92	-3.35	-1.63	-6.37	862.18	199.57	320.99	740.76	256.35
		278	6.26	2.22	-7.95	-3.05	-2.67	-5.08	952.62	101.18	214.77	839.03	289.51
		238	7.19	1.81	-9.41	-1.05	-6.55	-4.89	1071.01	93.01	267.23	896.79	374.21
167	41	240	4.89	1.62	-7.66	-1.30	-4.73	-4.31	748.71	129.31	321.92	556.10	286.71
		279	3.90	2.55	-6.10	-2.32	-1.23	-4.29	626.43	173.38	249.85	549.97	169.69
		278	4.37	1.38	-5.44	-2.14	-1.93	-3.41	681.59	107.69	179.94	609.34	190.39
		238	4.98	1.10	-6.51	-0.77	-4.64	-3.28	761.56	110.00	217.61	653.95	241.94

167	47	240	3.75	-0.16	-3.49	-0.62	-3.03	-1.15	624.33	406.14	414.20	616.27	41.15
		279	3.32	-0.05	-2.13	-0.99	-1.19	-1.03	561.82	359.92	359.92	561.82	0.46
		278	3.19	-0.54	-1.99	-1.18	-1.35	-0.72	535.78	353.28	353.31	535.75	-2.24
		238	3.60	-0.61	-3.15	-0.81	-2.95	-0.68	601.30	394.78	400.64	595.44	-34.28
167	54	240	3.53	-0.23	-3.27	-0.60	-2.90	-0.99	589.64	379.06	382.08	586.62	25.04
		279	3.15	-0.19	-1.99	-0.96	-1.22	-0.89	533.90	336.57	336.70	533.77	-5.05
		278	2.99	-0.62	-1.84	-1.11	-1.35	-0.60	502.26	335.71	336.27	501.69	-9.69
		238	3.40	-0.62	-2.96	-0.75	-2.82	-0.55	569.59	367.14	378.58	558.15	-46.75
167	70	240	6.52	1.30	-7.39	-1.43	-4.66	4.03	1068.58	357.33	658.16	767.75	-351.38
		279	5.73	1.16	-6.49	-1.62	-3.71	3.68	932.23	286.27	593.91	624.59	-322.61
		278	6.68	0.68	-5.95	-1.41	-3.87	3.08	1105.90	356.74	855.82	606.82	-353.28
		238	7.92	1.05	-6.85	-1.22	-4.59	3.58	1300.45	380.53	926.07	754.90	-451.93
167	102	240	4.48	-0.43	-4.28	-0.99	-3.71	1.36	754.32	417.35	504.53	667.14	-147.57
		279	3.99	-0.44	-3.16	-1.27	-2.34	1.25	675.19	349.59	450.73	574.05	-150.67
		278	4.26	-0.60	-3.14	-1.25	-2.48	1.11	723.05	391.37	566.36	548.05	-165.59
		238	5.11	-0.39	-4.21	-0.98	-3.63	1.37	864.47	402.03	621.09	645.41	-230.90
168	18	244	6.71	3.39	-13.26	-2.47	-7.40	-7.95	962.67	38.01	672.32	328.35	429.15
		281	3.70	5.89	-9.51	-3.04	-0.58	-7.60	587.93	273.11	468.88	392.17	152.66
		279	5.47	3.91	-9.70	-3.80	-1.98	-6.74	859.60	199.82	322.94	736.47	257.05
		240	6.98	2.66	-11.95	-1.86	-7.43	-6.75	1035.42	116.71	420.27	731.85	432.13
168	41	244	4.71	2.21	-9.12	-1.70	-5.21	-5.39	695.18	67.39	492.90	269.67	293.38
		281	2.69	3.90	-6.50	-2.10	-0.51	-5.14	432.17	225.98	349.95	308.20	100.96
		279	3.90	2.54	-6.62	-2.63	-1.46	-4.54	624.76	173.33	251.11	546.98	170.48
		240	4.91	1.70	-8.23	-1.29	-5.23	-4.56	745.45	123.52	318.93	550.04	288.70
168	47	244	3.48	0.33	-3.69	-0.31	-3.05	-1.47	582.44	370.55	505.77	447.22	101.82
		281	2.72	0.68	-2.09	-0.52	-0.90	-1.37	422.32	386.57	392.81	416.07	-13.57
		279	3.32	-0.07	-2.13	-1.05	-1.16	-1.03	560.49	359.73	359.78	560.44	3.35
		240	3.73	-0.17	-3.50	-0.64	-3.03	-1.16	621.77	403.94	412.86	612.85	43.16
168	54	244	3.21	0.15	-3.48	-0.41	-2.92	-1.32	531.56	362.58	456.03	438.11	84.01
		281	2.60	0.43	-1.99	-0.60	-0.96	-1.20	410.79	357.40	361.27	406.92	-13.83
		279	3.15	-0.20	-2.00	-1.01	-1.20	-0.89	532.49	336.46	336.49	532.46	-2.25
		240	3.52	-0.24	-3.28	-0.62	-2.90	-1.00	587.43	377.64	381.18	583.89	27.03
168	70	244	6.10	1.94	-8.21	-1.63	-4.64	4.84	1015.55	535.01	691.90	858.66	-225.34
		281	4.41	2.14	-7.13	-1.60	-3.39	4.55	748.18	498.32	578.15	668.35	116.50
		279	6.46	1.14	-6.39	-1.59	-3.66	3.62	1083.62	483.93	752.25	815.30	-298.18
		240	7.48	1.20	-7.22	-1.43	-4.59	3.90	1257.38	596.75	826.79	1027.34	-314.73
168	102	244	4.14	-0.28	-4.42	-0.98	-3.71	1.56	663.02	525.89	561.45	627.46	-60.10
		281	3.38	-2.16e-03	-3.12	-1.07	-2.05	1.48	548.25	434.93	458.33	524.85	45.87
		279	4.41	-0.49	-3.09	-1.28	-2.30	1.19	746.00	435.32	521.26	660.06	-138.98
		240	5.05	-0.49	-4.19	-1.00	-3.68	1.27	847.80	515.10	579.24	783.65	-131.25
169	4	306	9.65	9.81	-6.45	6.56	-3.20	-6.50	1610.01	682.42	1475.35	817.08	-326.76
		263	10.35	5.52	-7.62	3.08	-5.17	-5.11	1761.62	801.21	1406.63	1156.21	-463.59
		242	7.89	4.32	-6.58	3.91	-6.17	-2.07	1311.27	968.66	1248.08	1031.86	-132.88
		290	8.40	8.42	-4.12	8.14	-3.84	-1.84	1412.39	692.95	1389.17	716.17	-127.14
169	34	306	6.93	6.63	-4.38	4.47	-2.22	-4.37	1160.24	503.83	1069.28	594.80	-226.80
		263	7.43	3.73	-5.16	2.09	-3.53	-3.44	1266.79	588.12	1015.97	838.95	-327.59
		242	5.68	2.92	-4.46	2.65	-4.19	-1.38	940.91	707.46	899.20	749.17	-89.43
		290	6.04	5.69	-2.81	5.52	-2.64	-1.21	1017.69	508.45	1003.82	522.31	-82.89
169	47	306	5.44	2.59	-1.98	1.92	-1.31	-1.62	928.51	447.68	877.36	498.82	-148.25
		263	5.83	1.32	-2.12	0.80	-1.60	-1.23	1004.37	501.83	818.11	688.09	-242.72
		242	4.50	1.10	-1.92	1.06	-1.87	-0.36	736.43	590.81	709.27	617.97	-56.73
		290	4.74	2.24	-1.38	2.23	-1.36	-0.24	809.36	438.99	805.72	442.63	-36.56
169	54	306	4.99	2.17	-1.69	1.64	-1.17	-1.33	853.17	423.23	811.49	464.92	-127.22
		263	5.33	1.11	-1.80	0.69	-1.37	-1.03	919.24	475.07	753.86	640.44	-214.72
		242	4.15	0.94	-1.61	0.90	-1.58	-0.29	671.93	556.60	652.96	575.57	-42.75
		290	4.36	1.89	-1.19	1.88	-1.18	-0.17	745.75	412.34	744.11	413.97	-23.29
169	60	306	7.61	2.58	-1.76	-0.60	1.42	1.92	1301.09	526.62	1255.76	571.95	-181.81
		263	7.93	0.21	-3.95	-1.35	-2.39	2.02	1356.27	660.30	1206.04	810.52	-286.33
		242	6.50	1.02	-5.83	-2.30	-2.51	3.42	1089.04	715.91	1058.20	746.76	-102.75
		290	6.69	2.38	-5.44	-1.56	-1.50	3.91	1144.61	514.36	1137.98	520.99	-64.31
169	92	306	6.10	0.63	-0.04	0.58	0.01	0.18	1052.14	470.89	1009.95	513.07	-150.80
		263	6.44	-0.20	-1.87	-0.28	-1.79	0.37	1109.46	562.43	955.87	716.03	-245.83
		242	5.17	0.27	-2.86	-0.63	-1.96	1.41	856.59	628.37	833.62	651.34	-68.66
		290	5.33	1.34	-2.41	0.24	-1.30	1.71	923.44	458.22	919.82	461.84	-40.86
170	11	325	5.16	0.98	-2.81	-2.43	0.61	1.14	676.51	-142.14	628.93	-94.56	-191.54
		298	6.04	0.91	-2.56	-1.91	0.26	1.35	867.28	-53.04	865.05	-50.81	-45.25
		292	7.12	0.32	-2.14	-2.05	0.23	0.46	915.09	-241.07	911.20	-237.18	-66.95
		318	6.26	0.35	-2.66	-2.59	0.29	0.44	672.26	-382.42	664.10	-374.26	-92.45
170	37	325	3.75	0.65	-1.89	-1.65	0.42	0.74	494.61	-99.25	462.83	-67.47	-133.64
		298	4.37	0.61	-1.72	-1.30	0.19	0.90	627.00	-38.99	625.70	-37.69	-29.42
		292	5.15	0.22	-1.44	-1.39	0.16	0.30	661.04	-175.74	658.40	-173.09	-47.00
		318	4.54	0.24	-1.78	-1.74	0.21	0.27	493.22	-271.27	487.71	-265.76	-64.66
170	50	325	3.08	0.19	-0.52	-0.51	0.19	0.05	424.98	-60.74	411.23	-46.99	-80.56
		298	3.22	0.21	-0.41	-0.37	0.17	0.15	466.62	-25.84	466.35	-25.57	-11.50
		292	3.82	0.12	-0.32	-0.31	0.10	0.07	488.44	-138.97	487.20	-137.73	-27.92
		318	3.62	0.12	-0.34	-0.34	0.12	-0.02	433.06	-172.32	430.43	-169.70	-39.77
170	54	325	2.93	0.19	-0.51	-0.51	0.18	0.05	406.94	-54.29	393.34	-40.69	-78.01

		298	3.04	0.21	-0.40	-0.36	0.17	0.15	443.22	-20.01	442.86	-19.64	-13.02
		292	3.61	0.12	-0.32	-0.30	0.11	0.07	463.25	-128.20	461.99	-126.94	-27.28
		318	3.44	0.12	-0.34	-0.34	0.12	-0.02	414.08	-160.59	411.46	-157.97	-38.71
170	64	325	4.82	1.72	-2.58	-2.43	1.58	0.77	518.40	-283.97	506.69	-272.27	-96.20
		298	4.79	-0.68	-2.68	-2.33	-1.03	0.76	643.02	-116.42	628.12	-101.51	-105.34
		292	4.87	-0.81	-1.83	-1.53	-1.11	0.47	571.55	-245.96	567.73	-242.14	-55.73
		318	5.60	1.62	-2.43	-2.37	1.56	0.48	527.14	-421.15	526.96	-420.97	13.16
170	96	325	3.73	0.86	-1.41	-1.35	0.79	0.38	456.25	-152.99	443.90	-140.64	-85.85
		298	3.78	-0.19	-1.40	-1.23	-0.37	0.43	529.63	-60.13	524.91	-55.41	-52.57
		292	4.16	-0.32	-0.97	-0.85	-0.44	0.25	512.39	-179.10	510.12	-176.83	-39.61
		318	4.36	0.77	-1.25	-1.23	0.75	0.21	464.27	-271.71	463.95	-271.39	-15.33
171	18	275	5.11	-0.47	-5.31	-4.67	-1.10	-1.63	378.73	-480.19	-301.55	200.09	-348.60
		280	0.73	0.11	-4.84	-4.39	-0.34	-1.42	77.05	-26.96	20.40	29.69	51.80
		235	2.55	-0.01	-5.39	-4.64	-0.76	-1.86	417.80	94.69	270.16	242.32	-160.96
		236	5.48	-0.36	-3.86	-3.24	-0.98	-1.34	755.04	-108.12	263.73	383.19	-427.43
171	41	275	3.34	-0.38	-3.55	-3.14	-0.79	-1.06	253.70	-308.60	-188.18	133.29	-230.67
		280	0.64	0.05	-3.25	-2.96	-0.25	-0.94	70.37	-19.36	37.53	13.47	43.22
		235	1.76	-0.02	-3.60	-3.11	-0.51	-1.24	292.79	78.48	206.96	164.31	-105.01
		236	3.72	-0.28	-2.59	-2.19	-0.68	-0.88	523.37	-56.34	202.88	264.15	-288.23
171	52	275	0.65	-0.29	-0.86	-0.81	-0.35	-0.17	93.19	-7.94	36.28	48.98	-50.16
		280	1.57	-0.04	-0.85	-0.79	-0.10	-0.21	197.19	-58.58	171.91	-33.30	76.33
		235	1.46	9.89e-03	-0.80	-0.68	-0.12	-0.30	244.64	76.22	244.08	76.77	-9.65
		236	1.95	-0.17	-0.63	-0.56	-0.24	-0.17	323.81	83.14	254.20	152.75	-109.12
171	54	275	0.56	-0.14	-0.38	-0.26	-0.27	0.12	93.55	31.88	92.91	32.53	-6.29
		280	1.88	-0.08	-0.30	-0.30	-0.08	0.02	238.80	-70.70	211.81	-43.72	87.32
		235	1.60	-0.02	-0.13	-0.13	-0.02	-0.02	262.79	57.60	261.89	58.51	13.60
		236	1.78	-0.12	-0.26	-0.23	-0.15	0.06	301.58	103.96	274.19	131.36	-68.29
171	65	275	4.73	2.12	-3.42	1.17	-2.47	2.09	658.40	-59.92	617.73	-19.24	166.02
		280	5.72	1.97	-2.30	1.14	-1.46	1.69	770.26	-131.02	729.17	-89.92	188.01
		235	4.13	2.23	-2.49	1.26	-1.52	1.91	582.74	-39.76	559.67	-16.70	117.57
		236	4.05	2.28	-3.62	1.16	-2.50	2.31	600.69	23.21	578.84	45.06	110.17
171	97	275	2.31	0.83	-1.70	0.38	-1.25	0.97	335.61	-5.54	320.62	9.45	69.93
		280	3.53	0.73	-1.08	0.35	-0.70	0.74	469.11	-95.94	436.54	-63.37	131.68
		235	2.65	0.91	-1.10	0.50	-0.69	0.81	399.72	16.46	390.16	26.02	59.77
		236	2.48	0.90	-1.70	0.40	-1.19	1.02	405.75	92.61	405.36	93.00	11.01
172	11	317	4.61	0.63	-4.23	-4.22	0.62	-0.16	120.27	-607.21	94.25	-581.20	135.10
		330	5.91	0.01	-2.85	-2.84	-8.11e-03	0.23	683.39	-300.13	682.89	-299.64	21.99
		284	4.35	0.09	-3.05	-2.93	-0.04	-0.62	552.61	-146.03	551.22	-144.65	31.11
		280	2.02	0.08	-2.78	-2.58	-0.12	-0.74	251.81	-64.81	215.48	-28.48	100.91
172	37	317	3.37	0.36	-2.80	-2.80	0.36	-0.10	109.34	-431.16	91.17	-412.99	97.44
		330	4.29	0.01	-1.92	-1.91	3.22e-03	0.15	498.51	-216.05	498.22	-215.77	14.28
		284	3.19	0.06	-2.05	-1.96	-0.02	-0.41	405.34	-107.18	404.40	-106.24	21.91
		280	1.56	0.03	-1.88	-1.75	-0.11	-0.49	194.68	-51.46	169.87	-26.65	74.10
172	50	317	3.21	-0.12	-0.22	-0.13	-0.21	0.03	266.37	-289.14	254.49	-277.25	80.37
		330	3.46	0.05	-0.29	-0.29	0.05	-1.48e-03	416.27	-162.69	416.27	-162.69	1.57
		284	2.78	0.04	-0.19	-0.19	0.04	0.01	361.98	-91.67	360.82	-90.51	22.95
		280	2.06	-0.11	-0.29	-0.29	-0.11	0.02	259.18	-80.75	241.93	-63.51	74.59
172	54	317	3.07	-0.12	-0.21	-0.14	-0.20	0.03	259.74	-272.23	248.63	-261.12	76.07
		330	3.29	0.05	-0.29	-0.29	0.05	-4.88e-03	397.93	-152.23	397.93	-152.23	1.35
		284	2.65	0.04	-0.19	-0.19	0.04	9.61e-03	347.07	-85.20	345.92	-84.05	22.28
		280	1.98	-0.10	-0.28	-0.28	-0.10	0.02	252.56	-74.05	236.42	-57.91	70.78
172	77	317	6.61	-0.25	-4.20	-1.55	-2.90	1.86	750.57	-370.00	748.47	-367.90	-48.46
		330	6.69	3.19	-0.58	3.05	-0.44	-0.71	985.47	-0.61	949.65	35.22	-184.50
		284	4.67	0.17	-2.60	-1.10	-1.34	1.38	724.05	62.10	715.04	71.12	-76.72
		280	5.00	0.29	-4.72	-1.19	-3.24	2.29	548.79	-295.06	548.63	-294.90	11.78
172	109	317	4.50	-0.20	-1.94	-0.76	-1.38	0.81	463.19	-307.50	462.68	-306.99	19.91
		330	4.61	1.24	-0.23	1.17	-0.16	-0.32	643.08	-77.96	634.17	-69.04	-79.69
		284	3.43	0.01	-1.18	-0.61	-0.56	0.60	504.92	-15.42	504.00	-14.50	-21.93
		280	3.21	-0.04	-2.15	-0.71	-1.48	0.99	373.66	-164.43	370.17	-160.94	43.23
173	4	288	8.41	12.31	-7.21	7.38	-2.28	-8.49	949.38	-424.22	948.86	-423.70	26.81
		311	8.91	15.53	-2.64	6.34	6.55	-9.08	-1.32	-1308.44	-8.53	-1301.24	96.77
		323	4.22	10.25	-4.99	-1.40	6.65	-6.47	200.44	-465.32	-32.40	-232.48	-317.49
		291	6.35	7.37	-6.62	1.52	-0.77	-6.90	801.62	-231.65	801.57	-231.60	-7.46
173	34	288	5.89	8.31	-5.00	4.98	-1.67	-5.76	680.43	-278.64	680.06	-278.27	18.73
		311	6.15	10.54	-1.85	4.28	4.41	-6.20	2.30	-901.46	-2.87	-896.28	68.16
		323	2.91	6.94	-3.44	-1.00	4.50	-4.40	154.99	-306.26	-13.26	-138.02	-222.03
		291	4.43	4.95	-4.58	0.99	-0.62	-4.69	576.67	-136.25	576.60	-136.18	-6.90
173	47	288	3.98	3.65	-2.67	2.64	-1.66	-2.32	534.49	-78.87	534.48	-78.86	2.15
		311	3.56	4.80	-0.88	2.41	1.50	-2.80	16.29	-520.06	13.45	-517.23	38.90
		323	1.99	2.93	-1.30	-0.26	1.88	-1.82	202.17	-120.85	43.45	37.87	-161.48
		291	3.03	2.01	-2.12	0.81	-0.92	-1.88	470.77	53.80	468.12	56.45	-33.12
173	54	288	3.46	2.81	-2.46	1.91	-1.56	-1.98	480.70	-46.08	480.70	-46.08	1.02
		311	2.96	3.83	-0.90	1.66	1.27	-2.35	17.29	-430.14	14.85	-427.70	32.96
		323	1.75	2.36	-1.25	-0.42	1.53	-1.52	198.98	-79.72	49.51	69.75	-138.98
		291	2.65	1.49	-2.01	0.42	-0.94	-1.61	425.77	82.45	423.14	85.08	-29.91
173	83	288	6.81	9.98	-9.39	-0.30	0.88	-9.67	608.06	-540.84	595.79	-528.57	118.06
		311	7.06	17.31	-7.50	-0.42	10.23	-11.20	147.96	-955.18	109.71	-916.93	-201.82

		323	5.23	12.93	-6.23	-2.52	9.22	-7.57	108.76	-688.28	-142.72	-436.80	-370.40
		291	5.12	5.54	-7.80	-2.56	0.29	-6.52	340.08	-505.60	228.82	-394.34	-285.86
173	115	288	4.79	5.84	-5.42	0.88	-0.47	-5.59	538.79	-274.56	534.89	-270.66	56.19
		311	4.77	10.03	-3.83	0.70	5.50	-6.50	67.58	-663.05	59.62	-655.09	-75.83
		323	3.20	7.31	-3.58	-1.42	5.16	-4.34	151.97	-356.10	-38.01	-166.12	-245.83
		291	3.40	3.21	-4.61	-1.01	-0.39	-3.90	377.92	-181.70	334.61	-138.38	-149.54
174	11	277	4.30	2.17	-3.20	-1.82	0.79	2.35	724.07	482.30	724.07	482.30	-0.60
		237	4.18	1.46	-3.19	-1.19	-0.54	2.30	687.08	528.98	684.51	531.55	19.99
		247	4.54	0.95	-2.34	-1.25	-0.14	1.55	774.34	274.97	746.93	302.38	113.74
		286	4.52	1.25	-2.48	-1.66	0.43	1.55	761.29	268.12	760.56	268.85	-18.97
174	37	277	3.11	1.48	-2.18	-1.25	0.56	1.59	524.00	347.24	523.98	347.26	2.10
		237	3.01	1.00	-2.15	-0.81	-0.34	1.56	495.07	380.67	492.41	383.32	17.24
		247	3.28	0.65	-1.57	-0.85	-0.07	1.04	557.85	195.32	536.55	216.62	85.25
		286	3.27	0.85	-1.68	-1.14	0.31	1.03	551.00	192.37	550.72	192.65	-10.02
174	50	277	2.35	0.59	-0.83	-0.53	0.29	0.58	398.78	257.70	398.78	257.70	-0.52
		237	2.17	0.45	-0.70	-0.26	9.30e-03	0.56	352.73	285.94	352.17	286.51	6.09
		247	2.25	0.30	-0.46	-0.25	0.09	0.34	385.28	144.09	369.08	160.28	60.36
		286	2.47	0.37	-0.59	-0.47	0.24	0.32	417.18	141.64	417.18	141.64	-0.41
174	54	277	2.25	0.59	-0.82	-0.52	0.29	0.58	382.50	249.05	382.42	249.13	-3.27
		237	2.08	0.45	-0.70	-0.26	0.01	0.56	336.99	275.99	336.98	276.01	0.84
		247	2.12	0.31	-0.46	-0.24	0.09	0.34	364.07	143.54	350.67	156.95	52.69
		286	2.35	0.37	-0.59	-0.46	0.24	0.32	397.79	139.06	397.75	139.10	-3.27
174	72	277	3.61	1.86	-0.17	0.11	1.58	-0.69	603.31	160.43	590.15	173.59	-75.20
		237	3.28	2.55	0.12	0.49	2.19	-0.87	548.66	154.88	539.00	164.54	-60.91
		247	4.40	2.43	0.19	0.44	2.18	-0.71	684.64	59.40	684.30	59.75	-14.71
		286	4.86	1.61	-1.60	-1.47	1.49	-0.62	747.98	60.89	736.06	72.81	-89.73
174	104	277	2.77	0.85	-0.23	-0.23	0.85	-0.02	477.84	211.33	473.10	216.08	-35.24
		237	2.48	0.96	0.08	0.10	0.95	-0.10	429.31	223.83	425.31	227.83	-28.38
		247	3.02	1.01	0.04	0.07	0.99	-0.15	497.47	113.68	496.24	114.91	21.69
		286	3.40	0.79	-0.91	-0.91	0.78	-0.12	549.04	106.21	545.22	110.03	-40.97
175	4	287	8.45	7.14	-2.88	6.77	-2.51	1.87	1387.17	421.12	1385.48	422.81	40.39
		248	7.63	3.70	-5.94	3.64	-5.88	0.76	1299.63	593.89	1262.94	630.58	156.67
		256	9.50	3.90	-5.97	2.89	-4.95	3.00	1426.64	70.07	1372.71	124.00	265.05
		297	9.41	6.82	-3.30	4.43	-0.91	4.29	1426.27	95.60	1413.98	107.90	127.33
175	34	287	6.08	4.84	-1.99	4.58	-1.73	1.30	1000.89	309.56	998.82	311.63	37.82
		248	5.50	2.51	-4.03	2.47	-3.99	0.53	937.22	430.51	907.50	460.23	119.06
		256	6.81	2.65	-4.05	1.95	-3.35	2.05	1025.29	53.90	983.84	95.35	196.34
		297	6.75	4.63	-2.27	3.00	-0.64	2.94	1027.53	75.91	1017.02	86.42	99.46
175	47	287	4.73	2.08	-1.20	1.89	-1.02	0.76	793.36	272.38	786.64	279.10	58.79
		248	4.26	1.08	-1.82	1.02	-1.76	0.42	733.13	358.35	698.99	392.49	107.84
		256	5.10	1.28	-1.86	0.90	-1.48	1.03	784.26	61.43	742.68	103.00	168.30
		297	5.15	2.07	-1.30	1.28	-0.51	1.42	803.37	89.98	787.94	105.41	103.78
175	54	287	4.37	1.76	-1.04	1.59	-0.88	0.66	734.92	255.85	726.03	264.73	64.63
		248	3.96	0.91	-1.53	0.86	-1.47	0.36	680.93	329.95	643.16	367.72	108.77
		256	4.70	1.09	-1.56	0.75	-1.22	0.88	724.81	59.32	682.47	101.65	162.42
		297	4.74	1.76	-1.12	1.08	-0.44	1.23	743.42	90.96	726.28	108.09	104.34
175	56	287	7.34	1.71	-2.33	-1.37	0.74	1.72	1214.38	298.17	1198.70	313.85	118.83
		248	6.82	-0.91	-4.22	-1.77	-3.36	1.45	1153.97	366.92	1116.16	404.74	168.33
		256	7.64	-0.34	-3.90	-1.07	-3.17	1.43	1189.11	101.14	1153.59	136.66	193.34
		297	7.71	2.04	-1.56	-0.84	1.31	1.44	1214.75	137.24	1197.48	154.52	135.33
175	88	287	5.65	1.15	-1.12	0.18	-0.16	1.12	947.37	275.46	935.44	287.39	88.73
		248	5.18	-0.09	-2.62	-0.40	-2.30	0.84	888.86	347.94	852.80	384.01	134.94
		256	5.99	0.40	-2.59	-0.11	-2.08	1.12	929.10	78.72	890.74	117.08	176.51
		297	6.02	1.58	-1.06	0.17	0.35	1.32	951.59	112.25	934.46	129.38	118.68
176	18	299	7.21	-2.49	-2.88	-2.62	-2.76	0.18	901.99	-290.28	413.09	198.62	-586.41
		331	8.74	0.87	-5.18	0.43	-4.75	-1.57	622.79	-863.48	-20.53	-220.15	-736.40
		282	9.00	-1.65	-6.18	-5.23	-2.60	-1.84	938.70	-589.41	65.04	284.26	-756.15
		304	10.51	-2.26	-4.18	-3.31	-3.13	-0.96	1322.73	-417.13	439.71	465.89	-869.83
176	41	299	5.10	-1.67	-2.10	-1.81	-1.97	0.20	643.84	-196.00	329.93	117.91	-406.32
		331	6.09	0.41	-3.53	0.16	-3.29	-0.96	429.50	-606.41	-3.99	-172.92	-511.02
		282	6.17	-1.23	-4.11	-3.53	-1.81	-1.16	654.91	-391.93	68.27	194.70	-519.59
		304	7.25	-1.73	-2.76	-2.27	-2.21	-0.52	926.21	-269.95	340.68	315.58	-597.95
176	52	299	4.55	-0.48	-1.32	-0.54	-1.25	0.22	589.32	-156.89	485.20	-52.78	-258.55
		331	3.88	-0.52	-1.20	-0.52	-1.19	-0.05	223.38	-435.02	25.36	-237.01	-301.93
		282	3.37	-0.73	-0.90	-0.87	-0.75	-0.06	433.30	-121.82	193.51	117.97	-274.98
		304	4.67	-0.43	-1.32	-0.59	-1.15	0.35	662.01	-66.36	445.69	149.97	-332.82
176	54	299	4.76	-0.18	-1.22	-0.25	-1.14	0.27	612.34	-170.96	535.32	-93.94	-233.24
		331	3.52	-0.50	-1.02	-0.80	-0.72	0.25	182.66	-411.40	26.99	-255.73	-261.23
		282	2.91	-0.07	-0.72	-0.25	-0.54	0.29	398.26	-64.54	227.45	106.27	-223.33
		304	4.37	0.16	-1.35	-0.23	-0.97	0.66	633.98	-34.92	482.53	116.53	-279.94
176	83	299	7.57	-0.40	-5.19	-2.58	-3.01	2.38	939.96	-287.69	351.10	301.17	-613.32
		331	8.08	-0.70	-5.83	-3.26	-3.26	2.56	304.02	-1014.43	-216.86	-493.55	-644.54
		282	8.98	-1.39	-6.02	-4.37	-3.05	2.22	1069.79	-409.36	432.48	227.95	-732.47
		304	10.13	-1.02	-5.94	-4.12	-2.84	2.38	1387.32	-193.97	680.20	513.16	-786.22
176	115	299	5.58	-0.44	-2.96	-1.36	-2.04	1.21	723.42	-176.82	453.39	93.21	-412.53
		331	5.59	-0.67	-3.21	-1.97	-1.91	1.27	237.73	-685.58	-83.54	-364.31	-439.79
		282	5.71	-0.80	-3.11	-2.19	-1.72	1.13	708.46	-226.52	317.82	164.12	-461.13

		304	6.93	-0.54	-3.39	-2.06	-1.87	1.42	972.03	-97.40	568.95	305.67	-518.26
177	9	314	7.08	-0.04	-9.06	-7.44	-1.67	-3.47	-563.35	-1180.87	-1111.20	-633.03	-195.37
		317	5.58	1.56	-2.66	-2.30	1.21	-1.17	207.55	-697.94	40.14	-530.54	351.51
		280	1.21	0.43	-5.56	-4.39	-0.75	-2.38	57.77	-120.81	17.83	-80.87	74.42
		275	2.21	1.15	-1.63	0.40	-0.87	-1.23	221.50	-151.86	-51.88	121.52	-165.33
177	35	314	4.76	-0.12	-5.92	-4.86	-1.17	-2.23	-408.00	-794.69	-751.92	-450.77	-121.28
		317	4.02	0.97	-1.82	-1.59	0.74	-0.77	164.95	-491.88	50.58	-377.52	249.07
		280	1.00	0.27	-3.67	-2.90	-0.51	-1.56	63.58	-89.16	34.85	-60.43	59.69
		275	1.44	0.65	-1.13	0.15	-0.63	-0.80	151.18	-90.53	-22.64	83.30	-108.63
177	48	314	2.21	6.74e-03	-0.28	-0.01	-0.26	0.07	-178.10	-380.79	-218.83	-340.06	81.22
		317	3.28	-0.13	-0.42	-0.39	-0.17	-0.10	245.11	-319.24	197.36	-271.49	157.06
		280	1.97	0.05	-0.12	-0.05	-0.02	-0.09	229.58	-102.85	191.76	-65.02	105.56
		275	0.40	-0.19	-0.43	-0.40	-0.22	-0.08	67.69	38.20	66.81	39.08	-5.01
177	53	314	2.09	-0.03	-0.26	-0.04	-0.25	0.05	-160.80	-360.10	-198.61	-322.29	78.14
		317	3.13	-0.11	-0.41	-0.37	-0.15	-0.11	238.34	-301.39	193.55	-256.60	148.89
		280	1.90	0.06	-0.13	-0.05	-0.02	-0.10	224.20	-95.76	188.38	-59.93	100.90
		275	0.43	-0.17	-0.41	-0.36	-0.21	-0.09	73.08	39.57	72.22	40.43	-5.28
177	58	314	3.23	2.72	-1.22	2.28	-0.78	1.24	208.06	-327.46	175.78	-295.18	127.45
		317	5.85	1.64	-0.75	1.51	-0.63	0.53	855.45	-23.12	813.68	18.64	186.94
		280	4.18	2.29	-0.47	2.14	-0.33	0.62	655.94	89.33	541.49	203.78	227.48
		275	3.01	1.98	-1.03	1.63	-0.68	0.96	447.75	16.55	384.83	79.48	152.23
177	94	314	2.49	1.53	-0.82	1.20	-0.49	0.81	26.43	-351.59	-25.29	-299.87	129.91
		317	4.15	0.55	-0.48	0.47	-0.40	0.28	510.96	-175.06	466.49	-130.59	168.91
		280	2.92	1.10	-0.27	0.98	-0.16	0.38	427.73	-8.79	357.23	61.70	160.64
		275	1.56	0.67	-0.69	0.42	-0.44	0.53	246.00	37.97	221.58	62.39	66.96
178	18	279	5.45	3.59	-8.14	-3.25	-1.31	-5.79	863.00	193.98	310.42	746.56	253.66
		308	5.46	4.55	-6.59	-4.37	2.33	-4.45	835.99	48.81	88.91	795.88	173.09
		310	6.03	2.67	-6.25	-4.28	0.70	-3.70	893.13	-15.62	46.35	831.16	229.08
		278	6.27	1.88	-7.09	-2.58	-2.62	-4.49	951.63	88.52	203.18	836.96	292.95
178	41	279	3.89	2.32	-5.59	-2.26	-1.01	-3.91	627.41	168.91	242.08	554.24	167.91
		308	3.91	3.01	-4.50	-3.02	1.53	-2.99	609.41	58.48	83.96	583.94	115.69
		310	4.23	1.73	-4.28	-2.97	0.43	-2.48	641.38	16.76	56.61	601.53	152.65
		278	4.38	1.15	-4.87	-1.82	-1.89	-3.01	681.36	98.56	171.50	608.42	192.85
178	47	279	3.34	-0.06	-2.13	-1.03	-1.15	-1.03	566.60	350.82	350.82	566.60	-0.13
		308	3.19	0.47	-1.50	-1.27	0.25	-0.62	546.43	212.03	212.04	546.42	1.77
		310	2.98	0.02	-1.55	-1.38	-0.15	-0.49	514.26	215.88	216.08	514.05	7.83
		278	3.20	-0.55	-1.98	-1.19	-1.34	-0.71	540.63	344.43	344.43	540.63	-0.57
178	54	279	3.17	-0.19	-1.99	-0.99	-1.19	-0.89	538.26	328.36	328.49	538.13	-5.34
		308	3.01	0.30	-1.41	-1.22	0.11	-0.54	516.49	205.99	205.99	516.49	-0.41
		310	2.79	-0.08	-1.44	-1.29	-0.23	-0.42	480.91	209.47	209.51	480.87	3.30
		278	3.01	-0.62	-1.83	-1.11	-1.35	-0.59	506.71	327.69	328.04	506.36	-7.93
178	70	279	5.42	0.33	-6.13	-2.04	-3.76	3.11	897.84	344.49	607.24	635.09	-276.32
		308	4.41	3.26	-3.92	-2.13	1.47	3.11	738.04	282.78	468.72	552.10	-223.78
		310	5.10	2.58	-3.31	-1.90	1.17	2.51	860.87	357.99	696.44	522.42	-235.90
		278	6.22	-5.54e-03	-5.75	-1.87	-3.89	2.69	1043.11	409.06	838.16	614.01	-296.55
178	102	279	3.91	-0.84	-2.99	-1.48	-2.35	0.98	661.66	371.82	452.26	581.22	-129.78
		308	3.33	1.19	-2.12	-1.64	0.71	1.17	574.86	280.19	322.62	532.43	-103.46
		310	3.37	0.77	-1.96	-1.57	0.39	0.94	573.46	349.88	424.43	498.92	-105.40
		278	4.11	-0.91	-3.04	-1.46	-2.49	0.93	692.41	414.67	553.24	553.84	-138.87
179	4	102	8.50	71.69	30.74	66.60	35.84	13.52	-245.44	-1130.86	-1092.26	-284.04	180.80
		329	1.32	33.18	4.15	32.89	4.44	2.89	97.59	17.85	20.22	95.23	-13.52
		333	2.30	34.84	5.68	20.57	19.95	14.58	-103.67	-279.47	-277.96	-105.19	16.24
		131	7.88	24.94	-2.23	3.00	19.71	10.71	-266.84	-1243.07	-1191.19	-318.71	218.98
179	34	102	6.12	48.61	20.01	45.25	23.37	9.22	-171.18	-824.20	-794.02	-201.36	137.10
		329	0.85	22.40	2.62	22.20	2.82	1.98	69.54	22.31	22.31	69.53	-0.26
		333	1.51	23.54	3.66	13.95	13.24	9.93	-67.95	-189.25	-185.48	-71.71	21.04
		131	5.65	16.68	-1.75	2.05	12.88	7.46	-188.79	-892.83	-854.12	-227.50	160.49
179	47	102	4.54	21.58	1.73	20.69	2.63	4.11	-78.54	-637.08	-602.97	-112.65	133.73
		329	0.83	8.82	-0.73	8.77	-0.69	0.68	111.57	35.75	73.46	73.85	37.91
		333	0.87	9.70	-0.23	6.39	3.08	4.68	14.17	-93.60	-56.12	-23.32	51.33
		131	4.07	6.56	-3.23	1.63	1.71	4.89	-118.11	-648.57	-611.65	-155.03	134.99
179	54	102	4.25	18.14	0.62	17.41	1.35	3.50	-73.13	-603.06	-570.47	-105.72	127.31
		329	0.82	7.31	-0.75	7.26	-0.71	0.61	111.33	26.86	71.91	66.28	42.15
		333	0.87	8.07	-0.39	5.35	2.34	3.95	27.25	-85.04	-38.88	-18.91	55.25
		131	3.74	5.36	-3.08	1.32	0.96	4.22	-107.88	-596.66	-563.38	-141.15	123.12
179	60	102	14.79	22.79	-10.14	-4.22	16.87	12.64	-529.40	-2367.13	-2342.10	-554.42	213.00
		329	15.85	11.11	-15.55	-14.18	9.74	5.89	-393.40	-2451.17	-2387.90	-456.67	355.23
		333	15.53	14.08	-19.16	-15.11	10.02	10.88	-468.19	-2419.53	-2394.14	-493.58	221.13
		131	18.92	18.08	-21.86	-18.91	15.13	10.45	-547.48	-2936.75	-2909.20	-575.04	255.10
179	92	102	8.44	14.91	-0.06	6.97	7.88	7.47	-276.81	-1371.85	-1346.27	-302.38	165.38
		329	6.89	4.84	-4.15	-3.05	3.74	2.95	-126.16	-1061.26	-1023.83	-163.59	183.30
		333	7.08	9.35	-7.63	-3.89	5.61	7.04	-208.00	-1107.39	-1088.15	-227.24	130.16
		131	10.45	9.65	-10.62	-7.90	6.93	6.91	-305.70	-1633.87	-1608.16	-331.40	182.98
180	18	252	8.46	4.08	-13.44	-0.49	-8.87	-7.69	1066.36	-325.29	988.21	-247.15	320.38
		291	5.16	8.55	-8.47	0.35	-0.28	-8.51	662.29	-173.82	659.21	-170.74	50.67
		281	3.59	5.74	-10.48	-3.58	-1.16	-8.02	565.51	274.71	469.76	370.46	136.66
		244	6.89	3.32	-13.49	-2.35	-7.83	-7.95	976.47	8.67	680.90	304.24	445.75

180	41	252	5.92	2.70	-9.25	-0.36	-6.19	-5.21	769.57	-194.31	714.77	-139.51	223.21
		291	3.61	5.73	-5.80	0.22	-0.29	-5.76	483.19	-92.87	481.37	-91.05	32.34
		281	2.61	3.80	-7.16	-2.46	-0.89	-5.42	416.05	227.40	350.61	292.84	89.79
		244	4.83	2.16	-9.27	-1.62	-5.49	-5.38	704.63	46.78	498.93	252.49	304.98
180	47	252	4.23	1.22	-3.84	0.80	-3.43	-1.38	680.82	120.79	657.45	144.16	111.99
		291	2.84	1.90	-2.00	0.83	-0.93	-1.74	463.06	110.50	460.73	112.84	-28.59
		281	2.70	0.65	-2.15	-0.58	-0.92	-1.39	421.05	380.44	394.98	406.50	-19.47
		244	3.47	0.29	-3.58	-0.29	-2.99	-1.38	583.87	356.25	508.70	431.42	107.05
180	54	252	3.68	0.79	-3.59	0.40	-3.20	-1.25	606.03	140.87	584.84	162.06	97.00
		291	2.51	1.41	-1.90	0.46	-0.95	-1.50	419.86	132.70	417.54	135.01	-25.66
		281	2.58	0.41	-2.05	-0.66	-0.98	-1.22	406.44	354.39	362.87	397.96	-19.22
		244	3.20	0.12	-3.37	-0.39	-2.86	-1.24	532.58	351.26	459.07	424.76	89.02
180	61	252	7.51	-2.92	-7.02	-2.93	-7.02	-0.13	1235.21	293.99	1078.24	450.96	350.86
		291	5.45	-2.45	-2.63	-2.49	-2.59	0.08	927.72	376.37	906.25	397.84	106.66
		281	5.81	-1.75	-3.15	-2.53	-2.37	0.69	997.21	513.40	849.22	661.39	222.93
		244	7.05	-2.74	-6.47	-2.75	-6.46	0.20	1195.51	471.05	954.00	712.56	341.52
180	93	252	5.34	-0.97	-5.12	-1.13	-4.96	-0.80	880.42	210.99	804.51	286.90	212.27
		291	3.74	-0.34	-2.22	-0.89	-1.67	-0.85	638.15	246.24	635.48	248.91	32.23
		281	3.86	-1.15	-1.99	-1.55	-1.59	-0.42	641.58	448.55	578.13	511.99	90.68
		244	4.87	-1.39	-4.66	-1.52	-4.52	-0.64	827.87	399.03	677.92	548.98	204.50
181	4	291	5.98	7.49	-6.56	1.25	-0.31	-6.98	813.53	-123.75	811.40	-121.62	-44.66
		323	2.92	9.54	-4.19	-0.91	6.27	-5.85	46.10	-377.25	-118.61	-212.54	-206.40
		313	4.13	5.41	-5.19	-3.40	3.62	-3.97	620.43	57.89	57.89	620.43	-0.06
		281	3.62	4.33	-7.10	-2.33	-0.44	-5.64	582.14	433.82	557.79	458.17	54.93
181	34	291	4.18	5.03	-4.55	0.81	-0.32	-4.75	585.20	-60.20	583.53	-58.53	-32.87
		323	1.99	6.47	-2.90	-0.67	4.24	-3.99	47.01	-244.60	-73.68	-123.91	-143.63
		313	3.02	3.63	-3.57	-2.37	2.43	-2.68	461.24	55.82	55.82	461.24	-0.33
		281	2.66	2.86	-4.90	-1.64	-0.40	-3.83	424.43	334.29	407.52	351.21	35.20
181	47	291	2.97	1.97	-2.19	0.69	-0.92	-1.92	479.88	104.94	473.04	111.78	-50.18
		323	1.37	2.70	-1.12	-0.17	1.75	-1.65	133.42	-83.39	3.11	46.92	-106.17
		313	2.71	1.13	-1.36	-1.10	0.87	-0.77	447.16	123.91	125.89	445.18	-25.21
		281	2.62	0.68	-2.09	-0.68	-0.72	-1.38	415.95	358.86	372.47	402.33	-24.33
181	54	291	2.61	1.47	-2.08	0.34	-0.95	-1.65	434.09	127.07	427.47	133.69	-44.59
		323	1.24	2.19	-1.12	-0.36	1.43	-1.39	141.92	-49.42	14.55	77.95	-90.27
		313	2.59	0.89	-1.32	-1.10	0.67	-0.66	430.73	127.08	128.45	429.36	-20.34
		281	2.51	0.44	-1.99	-0.74	-0.81	-1.22	403.55	334.51	342.90	395.16	-22.56
181	58	291	5.15	0.97	-4.90	-0.21	-3.71	2.36	881.32	370.85	729.98	522.19	233.13
		323	4.06	3.81	-2.72	-0.80	1.89	2.98	610.75	56.85	296.99	370.61	274.49
		313	6.12	3.78	-3.87	-1.19	1.10	3.65	1029.65	408.74	662.91	775.48	305.31
		281	6.33	0.84	-5.27	-0.92	-3.51	2.76	1090.54	638.19	895.63	833.10	224.00
181	90	291	3.37	0.10	-2.18	0.09	-2.17	0.17	583.78	283.62	561.05	306.34	79.40
		323	1.53	1.77	-0.70	-0.55	1.63	0.58	253.57	93.76	139.37	207.95	72.17
		313	3.74	1.47	-1.76	-1.14	0.86	1.27	639.82	307.30	364.14	582.98	125.18
		281	4.09	-0.60	-2.23	-0.83	-2.00	0.57	676.15	500.03	586.60	589.58	88.05
182	21	246	6.25	1.26	-5.22	0.13	-4.09	-2.46	849.83	-106.14	-2.56	746.26	297.13
		285	4.75	0.65	-4.46	-1.62	-2.19	-2.54	656.63	-68.34	21.14	567.16	238.46
		296	3.07	-0.92	-3.35	-1.37	-2.90	-0.94	458.45	22.71	37.74	443.42	79.51
		258	5.31	0.80	-5.36	0.37	-4.93	-1.58	709.72	-108.88	-104.99	705.83	56.31
182	41	246	4.22	0.42	-4.32	-0.28	-3.62	-1.68	663.06	120.81	167.86	616.02	152.63
		285	3.54	0.09	-3.57	-1.53	-1.95	-1.82	550.02	76.85	143.70	483.17	164.80
		296	1.82	-0.92	-2.73	-1.32	-2.33	-0.75	301.34	158.28	189.13	270.49	58.84
		258	2.87	0.05	-4.32	-0.21	-4.06	-1.03	467.02	155.12	156.49	465.65	-20.65
182	50	246	3.14	-1.02	-2.52	-1.04	-2.50	-0.18	536.24	274.58	458.26	352.56	-119.67
		285	2.32	-0.89	-1.72	-1.27	-1.35	-0.41	367.11	310.20	366.97	310.33	2.76
		296	3.02	-0.77	-1.56	-1.22	-1.11	-0.40	447.11	-3.79	447.10	-3.79	-1.52
		258	4.22	-1.30	-2.19	-1.30	-2.19	7.72e-03	633.59	2.99	593.01	43.56	-154.73
182	54	246	3.10	-1.01	-2.50	-1.03	-2.48	-0.18	529.73	268.44	450.62	347.56	-120.05
		285	2.30	-0.89	-1.70	-1.25	-1.34	-0.41	363.07	305.69	363.06	305.70	-0.79
		296	2.96	-0.75	-1.55	-1.20	-1.10	-0.40	441.29	2.38	441.23	2.43	-4.89
		258	4.15	-1.29	-2.17	-1.29	-2.17	8.14e-03	623.02	5.70	581.96	46.76	-153.82
182	70	246	9.53	-1.52	-4.19	-1.64	-4.07	-0.55	1197.99	-374.74	1065.20	-241.95	-437.27
		285	6.57	1.35	-1.94	-1.75	1.16	-0.76	1114.59	387.66	1030.24	472.01	-232.82
		296	8.52	1.49	-1.13	-1.01	1.37	-0.56	1339.17	149.07	1326.30	161.95	-123.13
		258	12.24	-1.01	-3.78	-1.02	-3.77	-0.18	1474.13	-570.30	1410.44	-506.61	-355.18
182	102	246	5.52	-1.25	-3.26	-1.32	-3.20	-0.35	816.13	-20.55	722.69	72.89	-263.53
		285	4.04	0.01	-1.70	-1.48	-0.20	-0.57	694.36	343.88	658.43	379.82	-106.32
		296	5.41	0.18	-1.28	-1.11	0.02	-0.47	838.16	68.19	833.49	72.86	-59.75
		258	7.70	-1.16	-2.90	-1.16	-2.89	-0.08	998.88	-261.18	949.05	-211.35	-245.57
183	4	329	1.57	34.24	9.65	33.89	10.00	2.89	97.38	-39.76	-27.90	85.51	-38.55
		348	4.63	20.25	2.55	20.24	2.56	0.40	695.94	231.90	634.25	293.60	-157.55
		351	4.28	18.84	2.73	15.94	5.63	6.19	613.48	36.88	577.96	72.40	-138.62
		333	2.02	28.15	3.49	18.36	13.29	12.07	-110.55	-240.16	-239.88	-110.84	6.05
183	34	329	1.01	23.19	6.26	22.94	6.51	2.02	67.11	-15.91	-11.77	62.96	-18.07
		348	3.33	13.71	1.60	13.70	1.61	0.33	504.75	177.63	468.74	213.64	-102.39
		351	3.09	12.77	1.73	10.78	3.72	4.24	448.68	38.21	429.30	57.59	-87.05
		333	1.32	19.03	2.15	12.42	8.76	8.24	-73.66	-161.57	-159.20	-76.04	14.26
183	47	329	0.71	9.78	0.25	9.66	0.37	1.04	90.53	34.64	52.86	72.31	26.20

		348	2.71	5.67	-0.46	5.63	-0.43	0.46	438.14	182.37	432.94	187.57	-36.09
		351	2.62	5.41	-0.31	4.51	0.60	2.08	405.18	76.94	404.19	77.92	-17.97
		333	0.80	7.88	-0.96	5.40	1.52	3.97	13.04	-84.97	-42.43	-29.49	48.58
183	54	329	0.69	8.17	-0.03	8.06	0.08	0.94	90.89	26.70	52.63	64.97	31.50
		348	2.52	4.76	-0.50	4.72	-0.46	0.45	410.30	171.11	408.11	173.29	-22.75
		351	2.47	4.54	-0.36	3.77	0.41	1.78	384.49	77.10	384.45	77.15	-3.70
		333	0.82	6.55	-1.01	4.49	1.06	3.37	27.67	-79.09	-27.09	-24.33	53.36
183	62	329	7.81	10.87	-25.98	6.23	-21.34	-12.22	1266.56	481.16	1259.70	488.02	-73.09
		348	9.70	6.65	-12.22	3.93	-9.51	-6.62	1632.74	611.55	1632.16	612.13	24.46
		351	10.84	8.56	-6.94	8.56	-6.94	-0.13	1777.90	544.84	1776.11	546.63	47.06
		333	8.39	7.66	-19.28	6.75	-18.38	-4.86	1354.05	404.39	1351.50	406.93	49.11
183	94	329	3.71	8.55	-10.88	7.21	-9.54	-4.94	590.66	252.10	590.03	252.73	-14.51
		348	5.71	5.10	-5.29	4.34	-4.52	-2.71	953.10	368.11	953.10	368.11	-1.23
		351	6.19	5.93	-3.00	5.83	-2.89	0.95	1004.37	285.11	1003.86	285.62	19.25
		333	3.78	5.45	-7.68	5.44	-7.67	-0.29	592.97	160.63	586.57	167.03	52.19
184	4	319	8.97	17.38	6.95	12.18	12.15	-5.22	395.25	-1042.23	-185.91	-461.07	705.45
		133	6.57	31.55	-7.76	-1.97	25.75	-13.94	-428.24	-1094.90	-1091.35	-431.79	48.51
		104	18.94	36.76	10.63	13.73	33.65	8.46	-1025.47	-3183.15	-2520.17	-1688.45	995.46
		311	13.00	15.42	-10.54	6.91	-2.03	-12.18	440.13	-1652.66	439.66	-1652.20	-31.29
184	34	319	6.30	11.74	4.64	8.22	8.16	-3.55	280.40	-731.69	-131.49	-319.79	497.21
		133	4.77	21.53	-5.75	-1.48	17.27	-9.91	-302.19	-796.06	-792.60	-305.66	41.23
		104	13.42	25.28	7.15	9.15	23.27	5.68	-733.52	-2257.64	-1804.73	-1186.43	696.54
		311	9.03	10.45	-7.27	4.70	-1.51	-8.30	316.81	-1140.71	316.57	-1140.46	-18.78
184	47	319	4.20	4.54	2.01	3.91	2.64	-1.09	200.78	-491.77	-97.49	-193.50	342.93
		133	4.03	10.75	-5.78	-1.29	6.25	-7.36	-208.44	-676.20	-668.18	-216.47	60.75
		104	9.77	14.15	3.55	4.15	13.54	2.46	-574.78	-1655.70	-1414.99	-815.49	449.71
		311	5.67	4.97	-4.06	2.83	-1.91	-3.84	257.94	-670.98	257.93	-670.97	-2.61
184	54	319	3.66	3.71	1.27	2.88	2.09	-1.15	174.48	-427.77	-87.12	-166.17	298.52
		133	3.73	9.08	-5.39	-1.15	4.84	-6.58	-184.73	-625.23	-617.10	-192.86	59.28
		104	8.69	11.76	2.22	2.48	11.50	1.56	-514.72	-1475.57	-1279.73	-710.57	387.07
		311	4.81	3.90	-3.33	2.08	-1.51	-3.14	234.24	-558.76	234.24	-558.76	0.61
184	61	319	8.28	9.87	-9.84	-9.42	9.46	2.83	241.56	-1080.65	-393.20	-445.90	660.58
		133	6.39	2.22	-14.13	-14.13	2.22	0.17	-270.04	-1003.99	-894.86	-379.16	261.12
		104	13.48	13.91	-5.27	-1.50	10.14	7.62	-507.15	-2178.26	-1787.32	-898.09	707.44
		311	7.02	4.73	-1.55	-1.54	4.72	0.21	-84.14	-1075.83	-295.47	-864.50	406.10
184	93	319	5.62	5.53	-2.64	-2.60	5.49	0.57	202.68	-721.63	-223.66	-295.30	460.76
		133	4.80	4.89	-8.04	-6.92	3.78	-3.64	-234.08	-783.77	-740.69	-277.17	147.74
		104	10.77	12.48	-0.79	0.72	10.97	4.21	-513.27	-1791.51	-1508.35	-796.44	530.82
		311	5.19	2.68	-0.81	0.46	1.42	-1.68	40.71	-745.96	-4.66	-700.59	183.38
185	4	344	6.95	8.84	-4.43	-3.61	8.03	-3.19	-165.00	-1105.41	-982.18	-288.23	317.33
		345	7.86	9.12	-2.53	-2.36	8.95	1.40	693.55	-663.46	156.49	-126.40	663.60
		339	5.40	5.57	-3.97	-3.94	5.54	0.53	721.34	-122.43	144.93	453.98	392.57
		338	6.00	5.70	-2.82	-2.57	5.45	-1.44	747.01	-218.52	-137.52	666.01	267.68
185	34	344	4.88	6.04	-3.04	-2.53	5.53	-2.10	-89.00	-765.56	-674.97	-179.59	230.40
		345	5.60	6.23	-1.76	-1.62	6.09	1.04	510.41	-455.83	125.87	-71.30	472.96
		339	3.87	3.82	-2.75	-2.72	3.79	0.42	527.44	-72.59	119.23	335.62	279.83
		338	4.30	3.88	-1.97	-1.81	3.72	-0.94	546.37	-139.63	-82.13	488.86	190.10
185	47	344	3.28	2.82	-1.40	-1.37	2.79	-0.40	62.29	-450.09	-373.74	-14.07	182.46
		345	4.12	3.00	-1.01	-0.62	2.61	1.18	444.01	-251.03	165.84	27.14	340.53
		339	2.90	1.87	-1.40	-1.24	1.71	0.70	438.76	27.54	168.80	297.49	195.28
		338	3.18	1.72	-0.97	-0.97	1.72	0.02	463.23	-8.87	24.64	429.72	121.23
185	54	344	2.94	2.53	-1.29	-1.28	2.52	-0.20	94.27	-376.76	-305.74	23.24	168.55
		345	3.72	2.67	-1.00	-0.58	2.26	1.16	421.36	-199.72	168.71	52.93	305.10
		339	2.68	1.69	-1.30	-1.13	1.52	0.69	415.75	47.98	173.13	290.61	174.25
		338	2.96	1.49	-1.01	-1.01	1.49	0.05	440.84	11.31	40.70	411.45	108.44
185	62	344	4.36	6.42	-2.87	0.70	2.85	4.52	545.74	-136.45	398.02	11.28	280.98
		345	7.21	7.55	-3.91	1.09	2.55	5.69	999.17	-99.40	862.09	37.69	363.05
		339	4.88	5.09	-4.82	-1.51	1.79	4.67	787.07	174.69	690.41	271.35	223.27
		338	4.30	4.70	-4.38	-1.49	1.80	4.23	713.85	260.93	564.58	410.20	212.90
185	93	344	3.09	4.29	-1.33	-1.10	4.06	1.12	207.72	-310.57	-84.29	-18.56	257.05
		345	5.05	5.22	-1.46	-0.45	4.21	2.39	604.03	-230.60	386.45	-13.02	366.41
		339	3.33	3.96	-2.59	-2.06	3.42	1.79	512.12	49.82	337.16	224.77	224.21
		338	3.18	3.26	-2.35	-2.06	2.98	1.24	497.60	86.41	207.15	376.85	187.27
186	11	330	5.72	0.41	-2.67	-2.63	0.37	0.33	637.58	-320.34	637.58	-320.34	-2.61
		300	6.67	0.20	-2.05	-1.96	0.12	0.43	850.66	-235.34	837.50	-222.18	-118.83
		303	5.37	0.17	-2.12	-2.08	0.12	-0.31	718.22	-137.32	700.35	-119.45	-122.34
		284	4.32	0.13	-2.30	-2.21	0.04	-0.45	570.91	-114.79	570.34	-114.22	19.75
186	37	330	4.16	0.27	-1.79	-1.77	0.24	0.21	467.49	-229.57	467.49	-229.56	-2.54
		300	4.82	0.14	-1.38	-1.32	0.09	0.28	614.09	-172.21	604.37	-162.49	-86.87
		303	3.88	0.12	-1.43	-1.40	0.09	-0.21	518.67	-101.62	505.49	-88.44	-89.45
		284	3.16	0.09	-1.55	-1.49	0.03	-0.30	417.41	-85.82	417.05	-85.47	13.32
186	50	330	3.42	0.02	-0.27	-0.27	0.02	0.01	410.37	-162.86	410.36	-162.86	-1.87
		300	3.58	0.08	-0.25	-0.25	0.08	0.04	450.70	-141.54	443.26	-134.10	-65.96
		303	2.90	0.07	-0.17	-0.17	0.07	0.01	383.41	-88.78	374.70	-80.07	-63.52
		284	2.74	0.02	-0.21	-0.21	0.02	-1.90e-03	360.05	-85.20	359.70	-84.85	12.41
186	54	330	3.25	0.03	-0.26	-0.26	0.03	9.36e-03	392.46	-152.31	392.45	-152.30	-1.79
		300	3.38	0.08	-0.25	-0.24	0.08	0.04	427.35	-131.63	420.37	-124.65	-62.06

		303	2.75	0.07	-0.17	-0.17	0.07	6.85e-03	363.92	-82.45	355.93	-74.46	-59.18
		284	2.61	0.02	-0.21	-0.21	0.02	-6.44e-03	345.09	-79.08	344.74	-78.73	12.18
186	55	330	5.38	-0.80	-2.00	-1.98	-0.82	-0.13	678.19	-204.03	677.88	-203.72	16.30
		300	5.61	-1.14	-2.04	-2.04	-1.15	-0.08	717.78	-200.08	711.26	-193.56	-77.09
		303	4.32	-1.20	-1.96	-1.94	-1.23	-0.13	569.67	-127.29	563.21	-120.83	-66.80
		284	4.35	0.33	-1.90	-1.90	0.33	-0.11	554.65	-149.28	552.68	-147.31	37.19
186	87	330	4.19	-0.34	-1.03	-1.03	-0.34	-0.05	518.79	-174.54	518.74	-174.48	5.98
		300	4.37	-0.46	-1.04	-1.04	-0.46	-0.01	555.71	-161.96	549.07	-155.32	-68.72
		303	3.44	-0.49	-0.97	-0.96	-0.50	-0.05	454.41	-101.65	447.28	-94.51	-62.57
		284	3.37	0.16	-0.97	-0.96	0.15	-0.05	437.22	-109.44	436.25	-108.47	23.04
187	11	284	4.21	0.17	-2.29	-2.29	0.17	-0.02	560.46	-104.11	560.06	-103.71	16.33
		303	5.30	0.08	-1.97	-1.97	0.07	0.13	716.61	-121.56	700.75	-105.70	-114.18
		251	4.18	0.14	-2.11	-1.99	0.03	-0.49	605.41	-26.71	580.63	-1.93	-122.68
		243	3.40	0.09	-2.05	-1.89	-0.07	-0.55	525.16	50.24	518.58	56.82	-55.52
187	37	284	3.08	0.11	-1.54	-1.54	0.11	-0.01	410.24	-78.03	409.98	-77.77	11.27
		303	3.83	0.06	-1.33	-1.32	0.06	0.08	517.36	-90.58	505.64	-78.86	-83.58
		251	3.02	0.10	-1.41	-1.33	0.03	-0.34	436.25	-22.19	418.49	-4.43	-88.46
		243	2.48	0.06	-1.38	-1.27	-0.04	-0.38	381.54	31.42	377.28	35.68	-38.40
187	50	284	2.69	0.02	-0.22	-0.22	0.02	-2.33e-03	357.70	-77.34	357.24	-76.88	14.21
		303	2.87	0.05	-0.17	-0.17	0.05	5.67e-03	381.10	-83.39	373.30	-75.59	-59.66
		251	2.23	0.05	-0.09	-0.08	0.05	-0.03	317.05	-31.47	308.50	-22.91	-53.94
		243	2.12	0.03	-0.13	-0.12	0.02	-0.04	315.40	-4.50	315.21	-4.30	-7.95
187	54	284	2.57	0.02	-0.21	-0.21	0.02	-6.75e-03	342.89	-71.56	342.42	-71.09	13.91
		303	2.71	0.05	-0.17	-0.17	0.05	1.87e-03	361.73	-77.38	354.58	-70.24	-55.57
		251	2.11	0.05	-0.09	-0.08	0.05	-0.03	301.46	-28.74	293.69	-20.97	-50.07
		243	2.03	0.04	-0.13	-0.11	0.02	-0.04	303.26	-2.70	303.09	-2.54	-7.11
187	75	284	4.47	-0.34	-2.51	-1.82	-1.03	1.01	586.71	-134.44	583.92	-131.65	-44.75
		303	4.74	-0.45	-2.42	-1.78	-1.10	0.92	613.69	-153.46	596.35	-136.13	-114.02
		251	4.02	-0.15	-2.23	-1.74	-0.65	0.88	530.60	-111.16	513.65	-94.21	-102.91
		243	3.86	-0.08	-2.32	-1.77	-0.63	0.96	529.76	-73.12	523.48	-66.84	-61.19
187	107	284	3.40	-0.19	-1.19	-0.95	-0.44	0.43	449.60	-98.18	449.29	-97.87	-13.02
		303	3.61	-0.22	-1.14	-0.91	-0.45	0.40	472.96	-111.83	461.26	-100.12	-81.90
		251	2.96	-0.08	-1.02	-0.85	-0.25	0.36	403.42	-66.25	391.36	-54.18	-74.31
		243	2.84	-0.07	-1.07	-0.88	-0.26	0.39	403.68	-33.43	401.27	-31.02	-32.38
188	4	270	4.62	17.47	-12.67	-6.77	11.57	-11.96	651.80	141.65	357.43	436.02	-252.03
		271	8.16	14.37	-8.74	-0.86	6.50	-10.95	1321.18	447.01	1076.36	691.82	-392.52
		301	7.24	16.93	-4.41	11.05	1.47	-9.54	1150.81	449.58	979.51	620.88	-301.30
		302	3.55	27.47	1.77	17.01	12.24	-12.63	453.71	129.21	267.46	315.46	-160.46
188	34	270	3.23	11.90	-8.52	-4.36	7.74	-8.23	464.52	117.43	267.01	314.95	-171.88
		271	5.85	9.72	-5.93	-0.48	4.27	-7.46	954.05	335.48	788.94	500.59	-273.62
		301	5.19	11.45	-3.03	7.56	0.86	-6.42	830.61	336.40	717.90	449.11	-207.36
		302	2.45	18.62	1.19	11.71	8.10	-8.53	320.91	108.62	201.82	227.71	-105.35
188	47	270	2.28	5.42	-3.64	-0.62	2.40	-4.27	368.10	180.29	284.23	264.16	-93.37
		271	4.64	3.92	-2.70	0.33	0.89	-3.30	782.33	326.33	696.65	412.01	-178.13
		301	4.07	4.63	-1.73	3.47	-0.57	-2.45	680.33	320.39	630.44	370.28	-124.37
		302	1.68	7.87	-0.32	5.71	1.85	-3.61	251.40	167.11	225.98	192.53	-38.68
188	54	270	2.04	4.69	-3.06	-0.29	1.92	-3.71	331.29	173.09	262.64	241.74	-78.40
		271	4.26	3.31	-2.31	0.38	0.61	-2.80	720.36	308.41	648.95	379.82	-155.94
		301	3.74	3.89	-1.51	3.00	-0.62	-2.01	627.51	302.13	588.70	340.95	-105.46
		302	1.51	6.68	-0.30	5.00	1.38	-2.99	225.93	160.24	210.63	175.53	-27.76
188	62	270	7.61	10.41	-9.89	1.96	-1.44	10.01	1264.81	333.27	1260.94	337.14	-59.95
		271	9.94	4.81	-4.16	-0.41	1.06	-4.42	1682.43	543.44	1662.90	562.97	-147.85
		301	9.75	0.52	-12.10	-11.83	0.26	-1.81	1590.61	503.42	1585.96	508.08	-70.98
		302	7.75	4.28	-14.82	-13.75	3.21	-4.39	1193.65	256.48	1193.28	256.85	18.46
188	94	270	4.19	3.13	-1.99	0.78	0.36	2.55	717.20	273.49	706.08	284.60	-69.34
		271	6.67	3.92	-3.08	0.05	0.80	-3.48	1133.49	426.78	1099.19	461.08	-151.86
		301	6.18	0.55	-4.49	-3.66	-0.27	-1.86	1044.70	402.23	1031.90	415.02	-89.77
		302	3.94	3.79	-5.12	-3.44	2.11	-3.49	647.62	211.93	647.52	212.03	-6.57
189	16	315	4.34	1.39	-3.00	1.36	-2.97	-0.39	552.71	-154.35	139.64	258.72	348.48
		106	35.04	5.32	-5.97	2.03	-2.68	-5.13	1442.63	-4340.56	805.29	-3703.23	-1810.98
		314	20.33	-0.34	-4.95	-1.34	-3.96	1.90	66.50	-3013.63	-3011.39	64.26	83.05
		331	14.71	1.45	-4.75	-3.09	-0.22	-2.75	1025.43	-1487.50	286.61	-748.68	-1144.88
189	39	315	2.57	0.79	-2.08	0.74	-2.04	-0.37	341.26	-70.66	141.55	129.05	205.87
		106	23.55	3.04	-3.94	1.08	-1.99	-3.14	774.62	-3053.33	364.91	-2643.61	-1183.43
		314	13.49	-0.37	-3.24	-0.93	-2.69	1.13	54.20	-1994.29	-1993.47	53.38	40.96
		331	10.10	0.66	-3.16	-2.17	-0.33	-1.67	671.53	-1051.82	168.27	-548.56	-783.59
189	50	315	6.66	-0.18	-1.46	-1.14	-0.50	-0.56	589.95	-563.10	470.91	-444.05	-350.85
		106	14.98	-0.11	-2.65	-1.93	-0.83	1.15	-1827.75	-2496.23	-2202.36	-2121.62	331.80
		314	2.70	0.40	-0.87	-0.24	-0.22	-0.64	358.20	-73.31	115.94	168.96	-214.12
		331	4.49	-0.30	-1.52	-0.70	-1.11	0.58	-198.19	-749.90	-383.91	-564.17	-260.72
189	54	315	6.45	-0.19	-1.41	-1.10	-0.50	-0.53	580.44	-536.43	463.53	-419.52	-341.91
		106	14.41	-0.12	-2.51	-1.87	-0.77	1.06	-1744.40	-2405.41	-2118.26	-2031.55	327.65
		314	2.65	0.38	-0.82	-0.23	-0.21	-0.60	359.28	-61.33	130.01	167.94	-209.45
		331	4.27	-0.31	-1.44	-0.67	-1.07	0.53	-185.28	-712.50	-360.88	-536.91	-248.48
189	77	315	8.84	-3.31	-10.79	-8.75	-5.36	3.33	-973.33	-1453.56	-1387.69	-1039.20	165.21
		106	33.99	-3.55	-17.34	-10.45	-10.44	6.89	-2468.29	-5777.36	-4142.74	-4102.91	1654.41
		314	9.58	-2.47	-9.87	-4.18	-8.16	3.12	317.10	-1212.54	-255.04	-640.41	740.15

		331	5.99	-1.78	-6.62	-3.79	-4.61	2.38	-123.38	-949.47	-675.54	-397.31	-388.91
189	109	315	4.25	-2.11	-5.01	-4.46	-2.67	1.14	-297.00	-723.59	-334.29	-686.30	-120.49
		106	22.56	-1.75	-8.93	-5.63	-5.05	3.58	-2066.57	-3860.08	-2989.20	-2937.45	896.38
		314	2.71	-1.56	-4.20	-2.02	-3.75	1.00	104.88	-329.49	-41.44	-183.17	205.30
		331	4.85	-1.02	-3.74	-2.09	-2.67	1.32	-170.38	-797.38	-498.35	-469.41	-313.17
190	4	294	7.96	5.09	-4.10	-0.25	1.23	4.54	1214.53	44.18	1210.47	48.23	68.77
		255	8.62	2.97	-5.38	0.28	-2.69	3.90	1252.58	-74.72	1218.99	-41.13	-208.47
		245	6.23	2.22	-4.73	-0.79	-1.71	3.45	1011.94	229.22	935.74	305.41	-232.02
		283	5.85	3.84	-4.07	-1.29	1.06	3.77	980.12	290.49	979.03	291.58	27.37
190	34	294	5.70	3.48	-2.81	-0.17	0.83	3.11	873.10	39.88	869.82	43.16	52.18
		255	6.14	2.03	-3.66	0.19	-1.81	2.66	895.86	-46.91	872.69	-23.74	-145.97
		245	4.44	1.54	-3.22	-0.54	-1.14	2.36	724.27	171.34	670.87	224.74	-163.32
		283	4.20	2.63	-2.79	-0.89	0.73	2.59	705.54	214.48	704.63	215.39	21.17
190	47	294	4.30	1.62	-1.40	3.95e-03	0.22	1.51	670.66	57.77	667.68	60.75	42.65
		255	4.54	1.00	-1.64	0.12	-0.76	1.25	667.98	-25.16	651.32	-8.51	-106.13
		245	3.30	0.87	-1.45	-0.15	-0.43	1.15	544.42	136.58	500.65	180.35	-126.23
		283	3.20	1.33	-1.38	-0.36	0.31	1.31	542.83	179.73	542.50	180.06	11.04
190	54	294	3.93	1.44	-1.23	1.82e-03	0.20	1.33	619.68	68.09	616.64	71.12	40.82
		255	4.13	0.89	-1.40	0.09	-0.59	1.09	613.97	-9.83	599.32	4.82	-94.46
		245	3.03	0.79	-1.23	-0.14	-0.30	1.01	502.89	139.86	463.60	179.15	-112.78
		283	2.96	1.19	-1.22	-0.33	0.30	1.17	504.60	178.87	504.29	179.17	10.02
190	55	294	6.93	0.27	-1.80	-1.32	-0.21	0.87	1093.59	127.24	1069.36	151.47	151.08
		255	6.83	-1.65	-4.65	-1.79	-4.52	0.62	1033.53	22.02	1033.53	22.03	1.83
		245	5.22	-2.12	-4.29	-2.17	-4.24	0.33	855.97	189.87	852.56	193.28	-47.56
		283	5.58	0.06	-1.88	-1.73	-0.09	0.51	923.53	243.25	912.13	254.65	87.33
190	91	294	5.24	1.00	-1.53	-0.57	0.04	1.23	829.71	96.77	818.76	107.72	88.91
		255	5.28	-0.27	-2.77	-0.73	-2.31	0.98	796.54	11.22	792.95	14.81	-52.99
		245	3.93	-0.64	-2.46	-1.07	-2.03	0.77	652.52	172.15	636.97	187.71	-85.03
		283	4.11	0.69	-1.51	-0.96	0.14	0.96	690.27	209.67	686.31	213.63	43.43
191	9	286	4.29	1.40	-2.28	-1.61	0.74	1.42	702.82	172.83	702.62	173.03	-10.20
		247	4.46	1.06	-1.99	-1.11	0.18	1.39	732.48	155.03	694.02	193.49	143.98
		259	6.47	0.63	-1.37	-1.14	0.41	0.64	869.46	-169.39	851.68	-151.60	134.75
		298	5.81	0.69	-1.74	-1.56	0.50	0.65	806.10	-101.60	804.90	-100.40	-32.92
191	35	286	3.12	0.95	-1.55	-1.11	0.52	0.95	512.49	127.96	512.44	128.00	-4.07
		247	3.23	0.72	-1.34	-0.76	0.14	0.93	530.57	114.52	501.54	143.55	106.00
		259	4.66	0.44	-0.93	-0.78	0.29	0.42	626.39	-122.71	612.87	-109.19	99.74
		298	4.20	0.47	-1.18	-1.06	0.35	0.42	585.83	-70.67	585.21	-70.04	-20.30
191	51	286	2.36	0.52	-0.81	-0.64	0.35	0.44	392.95	110.71	392.81	110.85	-6.31
		247	2.25	0.43	-0.63	-0.39	0.18	0.44	377.67	110.02	360.93	126.76	64.81
		259	3.20	0.30	-0.45	-0.41	0.25	0.18	435.07	-76.10	426.09	-67.11	67.19
		298	3.09	0.30	-0.61	-0.58	0.27	0.16	440.45	-37.03	440.06	-36.65	-13.49
191	54	286	2.38	0.35	-0.59	-0.47	0.23	0.31	401.03	132.05	401.01	132.07	-2.34
		247	2.15	0.29	-0.45	-0.24	0.08	0.33	368.20	137.68	353.03	152.85	57.16
		259	2.95	0.19	-0.30	-0.24	0.12	0.16	411.40	-54.62	401.71	-44.93	66.51
		298	3.00	0.20	-0.41	-0.38	0.17	0.14	439.98	-14.90	439.91	-14.83	-5.63
191	64	286	4.65	0.15	-2.74	-1.59	-1.00	1.42	766.92	202.06	753.66	215.33	-85.54
		247	4.79	0.28	-2.94	-0.86	-1.80	1.54	697.78	-38.76	695.25	-36.23	-43.09
		259	6.16	-0.27	-2.60	-1.16	-1.72	1.13	775.58	-245.86	773.28	-243.57	-48.39
		298	5.43	-0.20	-2.21	-1.37	-1.04	0.99	836.79	60.58	821.65	75.72	-107.33
191	96	286	3.35	0.24	-1.52	-0.96	-0.32	0.82	559.02	165.65	555.23	169.45	-38.45
		247	3.15	0.25	-1.53	-0.51	-0.76	0.88	503.23	69.37	502.83	69.77	13.24
		259	4.29	-0.07	-1.28	-0.64	-0.70	0.61	566.17	-132.62	565.77	-132.21	16.88
		298	4.04	-0.02	-1.16	-0.81	-0.37	0.53	612.46	21.79	608.33	25.92	-49.23
192	18	335	6.04	4.84	-4.77	-4.48	4.56	-1.62	848.74	-58.86	-11.73	801.60	201.39
		336	4.85	4.60	-4.41	-4.36	4.55	0.62	757.59	132.20	204.99	684.80	200.55
		334	4.33	2.72	-4.45	-4.45	2.72	0.08	687.33	139.47	140.95	685.84	28.50
		337	5.91	2.70	-4.49	-4.15	2.35	-1.54	829.88	-71.89	-52.32	810.31	131.40
192	41	335	4.29	3.27	-3.29	-3.11	3.08	-1.07	615.21	-20.72	11.50	582.99	139.47
		336	3.46	3.14	-3.03	-3.00	3.10	0.45	548.20	111.44	163.58	496.06	141.61
		334	3.06	1.87	-3.06	-3.05	1.87	0.07	493.13	119.91	120.80	492.24	18.21
		337	4.15	1.82	-3.10	-2.87	1.59	-1.03	595.61	-26.60	-14.27	583.28	86.71
192	47	335	3.11	1.03	-1.37	-1.37	1.03	-0.02	511.38	130.91	138.55	503.74	53.38
		336	2.57	1.30	-1.27	-1.15	1.18	0.55	437.95	196.78	229.28	405.45	82.35
		334	2.22	0.85	-1.20	-1.16	0.80	0.30	379.45	225.30	227.34	377.41	-17.60
		337	2.79	0.57	-1.34	-1.34	0.57	-0.10	468.99	154.42	154.88	468.53	-12.03
192	54	335	2.90	0.87	-1.30	-1.30	0.87	-4.50e-03	480.84	135.72	141.78	474.78	45.34
		336	2.40	1.15	-1.19	-1.08	1.03	0.50	409.86	197.87	224.48	383.25	70.24
		334	2.09	0.74	-1.12	-1.08	0.71	0.26	356.24	217.75	221.49	352.50	-22.45
		337	2.59	0.46	-1.26	-1.26	0.46	-0.08	438.83	152.36	153.28	437.90	-16.26
192	56	335	4.63	0.63	-1.06	0.52	-0.95	-0.42	554.43	-215.85	-215.14	553.72	-23.37
		336	3.86	0.79	-0.62	0.79	-0.62	0.04	501.35	-123.17	-122.77	500.95	15.76
		334	3.75	0.63	-1.11	0.52	-1.01	-0.41	481.87	-127.85	-120.13	474.14	-68.20
		337	4.41	0.54	-1.68	0.29	-1.43	-0.70	527.35	-205.69	-197.91	519.57	-75.15
192	88	335	3.46	0.09	-0.50	-0.44	0.03	-0.18	509.80	-15.55	-15.24	509.49	12.71
		336	2.76	0.41	-0.36	-0.20	0.25	0.31	440.49	66.41	71.73	435.17	44.30
		334	2.56	-0.10	-0.34	-0.33	-0.11	-0.03	411.96	65.99	71.78	406.18	-44.38
		337	3.20	-0.11	-0.82	-0.53	-0.41	-0.35	477.98	-4.74	-0.62	473.87	-44.39

193	16	106	45.15	2.74	-16.65	-8.85	-5.07	-9.51	-3308.33	-7707.27	-6275.60	-4739.99	-2061.10
		346	14.24	3.75	-8.19	-6.67	2.23	3.98	1860.10	-467.71	1444.00	-51.61	891.88
		317	9.14	3.03	-10.82	-6.91	-0.88	-6.23	-1161.27	-1469.27	-1272.43	-1358.11	-147.92
		314	7.34	0.12	-9.96	-6.95	-2.89	4.61	920.62	-259.63	470.41	190.58	573.30
193	39	106	30.32	1.73	-11.02	-5.81	-3.49	-6.27	-2334.46	-5185.57	-4220.71	-3299.32	-1349.06
		346	9.68	2.47	-5.46	-4.46	1.48	2.63	1265.05	-314.81	1002.83	-52.59	587.81
		317	6.11	1.95	-7.16	-4.60	-0.61	-4.10	-781.72	-984.21	-819.16	-946.78	-78.61
		314	4.92	-0.03	-6.59	-4.66	-1.96	2.99	601.55	-196.60	283.15	121.80	390.84
193	50	106	10.40	0.71	-0.64	0.42	-0.35	0.56	-408.99	-1720.24	-471.21	-1658.02	278.76
		346	3.41	0.07	-0.67	-0.43	-0.18	-0.34	389.25	-189.81	371.37	-171.93	-100.16
		317	5.10	0.27	-0.42	-0.08	-0.07	0.35	340.25	-533.39	279.77	-472.91	221.77
		314	3.14	0.17	-0.89	-0.49	-0.23	-0.51	-19.47	-479.24	-465.80	-32.92	77.47
193	54	106	9.97	0.69	-0.62	0.40	-0.32	0.55	-362.26	-1640.32	-423.27	-1579.31	272.49
		346	3.25	0.06	-0.67	-0.42	-0.18	-0.34	374.20	-177.67	355.33	-158.80	-100.29
		317	4.90	0.26	-0.40	-0.08	-0.06	0.33	335.03	-505.84	277.24	-448.05	212.73
		314	2.99	0.16	-0.87	-0.49	-0.22	-0.49	-15.69	-455.40	-443.36	-27.72	71.74
193	65	106	21.04	8.14	1.94	7.48	2.60	1.91	2612.21	-846.88	2359.50	-594.16	900.17
		346	21.26	7.19	-0.12	6.89	0.18	-1.45	3425.55	641.16	3229.01	837.70	-713.17
		317	6.23	4.65	-1.41	4.53	-1.29	0.83	962.18	115.49	962.18	115.50	-2.46
		314	13.38	4.47	-6.43	4.15	-6.12	1.83	1622.90	-610.41	1.56	1010.92	996.10
193	97	106	12.93	3.92	0.55	3.47	1.00	1.15	936.65	-1279.28	789.09	-1131.73	552.45
		346	10.86	2.98	-0.27	2.74	-0.02	-0.86	1694.47	176.32	1600.94	269.85	-365.02
		317	4.96	2.03	-0.73	1.92	-0.61	0.55	593.93	-222.95	576.07	-205.09	119.46
		314	6.82	1.61	-2.93	1.55	-2.88	0.51	681.74	-484.30	-243.06	440.50	472.33
194	11	296	2.65	-1.16	-1.43	-1.16	-1.42	-0.04	450.19	179.37	420.45	209.11	84.67
		324	3.30	-1.39	-3.50	-3.46	-1.42	-0.28	183.36	-375.56	-65.21	-126.99	277.75
		315	5.25	1.83	-1.51	-0.96	1.27	1.24	44.60	-753.35	39.49	-748.24	-63.60
		293	5.08	-1.61	-4.87	-1.68	-4.80	-0.48	646.04	-182.62	580.18	-116.75	-224.15
194	37	296	2.04	-0.90	-1.02	-0.90	-1.02	-0.02	343.96	116.75	329.36	131.34	55.70
		324	2.37	-1.04	-2.53	-2.51	-1.06	-0.15	139.30	-263.65	-28.31	-96.04	198.61
		315	3.93	1.27	-1.13	-0.75	0.88	0.88	40.72	-561.26	37.33	-557.87	-45.09
		293	3.86	-1.20	-3.44	-1.24	-3.40	-0.29	486.94	-144.27	446.27	-103.61	-154.96
194	50	296	3.25	-0.66	-1.57	-1.23	-1.01	-0.44	452.97	-58.33	452.93	-58.29	4.62
		324	2.13	-0.82	-1.54	-1.53	-0.84	-0.11	155.95	-209.75	64.75	-118.55	158.22
		315	4.47	-0.42	-1.06	-0.96	-0.51	-0.23	17.28	-661.28	14.26	-658.26	-45.18
		293	4.96	-0.82	-1.41	-0.84	-1.40	-0.09	588.15	-245.77	578.66	-236.28	-88.49
194	54	296	3.18	-0.66	-1.57	-1.21	-1.01	-0.44	446.84	-50.30	446.84	-50.29	1.09
		324	2.03	-0.80	-1.51	-1.48	-0.82	-0.12	156.60	-191.89	71.89	-107.18	149.49
		315	4.29	-0.42	-1.06	-0.94	-0.54	-0.25	26.34	-629.44	23.21	-626.31	-45.18
		293	4.82	-0.80	-1.38	-0.82	-1.36	-0.10	578.20	-231.28	568.73	-221.80	-87.06
194	65	296	5.69	-2.01	-4.76	-3.67	-3.10	-1.35	637.13	-326.81	634.54	-324.22	-49.89
		324	4.79	2.46	-3.58	-3.40	2.29	-1.02	433.08	-369.85	287.83	-224.60	309.07
		315	8.42	3.64	-3.79	-2.87	2.72	2.45	714.24	-720.96	701.69	-708.41	133.62
		293	10.15	-1.82	-4.94	-3.27	-3.48	-1.56	1223.43	-478.96	1211.35	-466.88	-142.88
194	97	296	4.28	-1.29	-3.02	-2.31	-2.00	-0.85	532.21	-174.80	531.53	-174.12	-21.86
		324	3.24	0.63	-2.43	-2.34	0.53	-0.53	278.64	-269.32	169.37	-160.05	218.94
		315	5.88	1.17	-2.12	-1.82	0.88	0.94	321.17	-664.94	320.11	-663.88	32.27
		293	7.16	-1.36	-2.93	-1.93	-2.35	-0.76	859.48	-343.66	848.93	-333.11	-112.17
195	18	293	3.68	0.04	-1.33	-0.91	-0.39	0.64	543.42	-4.99	353.72	184.71	-260.86
		315	5.28	-2.44	-7.06	-2.93	-6.58	1.42	196.67	-658.31	152.43	-614.07	-189.39
		331	8.47	1.32	-1.00	1.14	-0.83	0.62	553.95	-895.87	12.16	-354.08	-701.39
		299	7.18	-2.89	-6.18	-3.07	-6.00	-0.75	908.87	-278.74	410.68	219.46	-586.06
195	37	293	3.75	-0.59	-0.92	-0.85	-0.66	0.14	501.20	-102.41	450.85	-52.07	-166.90
		315	4.91	-1.58	-3.74	-1.93	-3.39	0.80	61.15	-693.83	45.90	-678.58	-106.19
		331	6.00	5.31e-03	-0.95	-0.13	-0.81	0.33	359.33	-663.88	21.31	-325.85	-481.26
		299	5.13	-1.54	-3.14	-1.55	-3.13	0.08	643.28	-207.46	446.09	-10.27	-358.99
195	48	293	4.77	-0.57	-1.10	-0.64	-1.04	-0.17	571.25	-230.11	558.08	-216.95	-101.88
		315	5.02	-0.77	-0.92	-0.91	-0.79	-0.04	29.30	-736.89	27.84	-735.44	-33.34
		331	4.46	-0.53	-0.59	-0.54	-0.58	-0.02	260.00	-499.68	76.30	-315.98	-325.28
		299	4.74	-0.21	-1.12	-0.27	-1.06	0.22	564.94	-231.25	516.98	-183.29	-189.44
195	53	293	4.64	-0.55	-1.10	-0.62	-1.04	-0.17	561.06	-216.63	548.13	-203.70	-99.45
		315	4.82	-0.70	-0.91	-0.87	-0.74	-0.08	37.99	-702.49	36.55	-701.05	-32.64
		331	4.30	-0.49	-0.58	-0.51	-0.56	-0.03	259.34	-473.34	83.96	-297.96	-312.64
		299	4.61	-0.20	-1.08	-0.24	-1.03	0.19	554.77	-217.18	508.99	-171.40	-182.32
195	70	293	10.38	0.16	-3.80	-1.91	-1.73	1.98	1184.62	-578.22	1181.57	-575.17	73.24
		315	9.12	-0.44	-5.01	-2.62	-2.83	2.28	691.05	-882.95	684.62	-876.52	-100.41
		331	6.62	-0.82	-3.97	-2.31	-2.47	1.57	440.27	-689.09	305.76	-554.59	-365.80
		299	7.69	0.15	-3.57	-1.56	-1.86	1.86	711.78	-616.25	709.78	-614.24	51.59
195	102	293	7.14	-0.60	-2.06	-1.25	-1.41	0.73	838.63	-366.34	838.07	-365.78	-25.93
		315	6.58	-0.75	-2.74	-1.75	-1.75	1.00	322.15	-784.25	317.88	-779.97	-68.62
		331	5.32	-0.79	-2.16	-1.45	-1.50	0.68	341.74	-566.03	182.78	-407.07	-345.01
		299	5.74	-0.14	-2.23	-0.88	-1.49	1.00	615.80	-367.56	608.21	-359.96	-86.07
196	11	334	4.06	2.49	-3.19	-3.11	2.41	0.67	681.30	261.75	261.85	681.20	6.38
		309	3.62	2.24	-3.27	-2.69	1.66	1.69	553.91	524.51	538.95	539.47	-14.70
		321	3.63	1.22	-2.99	-2.73	0.96	1.01	607.93	242.24	546.90	303.26	-136.35
		340	3.13	1.20	-2.92	-2.90	1.18	0.25	496.64	70.70	162.63	404.71	-175.23
196	37	334	2.90	1.71	-2.22	-2.17	1.66	0.46	488.81	202.24	202.28	488.77	3.55

		309	2.63	1.54	-2.24	-1.85	1.16	1.14	402.22	381.72	396.35	387.59	-9.27
		321	2.64	0.84	-2.04	-1.87	0.68	0.67	443.13	177.27	403.38	217.03	-94.80
		340	2.23	0.84	-2.01	-2.00	0.83	0.15	359.30	65.01	135.29	289.02	-125.48
196	50	334	2.13	0.73	-1.14	-1.11	0.69	0.25	362.82	233.32	237.17	358.96	-22.02
		309	2.15	0.74	-0.95	-0.79	0.58	0.49	349.08	281.70	345.81	284.97	-14.48
		321	2.24	0.44	-0.75	-0.70	0.40	0.23	378.56	136.69	360.52	154.73	-63.55
		340	1.93	0.46	-0.91	-0.91	0.46	-6.77e-03	325.70	102.20	225.02	202.88	-111.20
196	54	334	2.07	0.71	-1.12	-1.09	0.68	0.25	352.28	227.22	230.89	348.61	-21.10
		309	2.08	0.72	-0.93	-0.78	0.57	0.48	336.66	272.72	333.08	276.31	-14.71
		321	2.15	0.44	-0.74	-0.69	0.39	0.23	363.91	133.84	345.76	151.99	-62.02
		340	1.88	0.44	-0.90	-0.90	0.44	-1.85e-03	316.78	101.44	219.25	198.97	-107.19
196	65	334	2.27	2.98	-0.11	0.10	2.77	-0.78	392.42	188.03	375.72	204.74	55.99
		309	3.04	2.00	0.36	0.54	1.82	-0.51	512.65	152.95	498.14	167.46	70.78
		321	3.85	2.09	0.10	0.53	1.66	-0.82	595.34	42.02	590.46	46.90	51.72
		340	2.80	3.28	-0.34	0.25	2.70	-1.33	443.63	62.26	443.16	62.74	-13.42
196	97	334	1.95	1.67	-0.57	-0.55	1.65	-0.22	303.11	273.83	293.39	283.56	13.79
		309	2.36	1.16	-0.18	-0.18	1.16	0.02	407.15	224.19	404.28	227.06	22.73
		321	2.75	1.04	-0.19	-0.14	0.99	-0.24	452.13	104.06	451.64	104.55	-13.07
		340	1.99	1.66	-0.56	-0.39	1.49	-0.59	337.95	115.48	316.13	137.30	-66.16
197	18	336	4.76	4.83	-4.24	-4.14	4.74	0.92	751.90	157.85	232.18	677.57	196.55
		307	3.95	4.17	-4.40	-3.51	3.27	2.62	665.14	425.99	542.15	548.98	119.52
		309	3.41	2.55	-4.23	-3.76	2.07	1.74	543.25	464.43	468.43	539.26	-17.29
		334	4.20	2.63	-3.89	-3.87	2.60	0.37	675.58	160.99	162.39	674.17	26.82
197	34	336	3.45	2.78	-2.44	-2.35	2.69	0.69	566.03	167.09	224.89	508.22	140.43
		307	3.03	2.46	-2.51	-1.91	1.85	1.62	514.18	326.77	436.33	404.62	92.35
		309	2.63	1.54	-2.34	-2.00	1.21	1.08	398.31	385.43	386.48	397.26	-3.51
		334	2.95	1.61	-2.24	-2.21	1.58	0.34	497.10	196.25	196.71	496.65	11.70
197	47	336	2.55	1.27	-1.29	-1.18	1.15	0.53	435.79	208.67	243.16	401.29	81.51
		307	2.42	1.23	-1.22	-0.84	0.84	0.89	407.95	280.79	372.77	315.97	56.89
		309	2.18	0.82	-1.05	-0.86	0.63	0.57	347.76	295.32	346.03	297.04	-9.36
		334	2.20	0.82	-1.18	-1.14	0.78	0.28	375.04	237.91	240.15	372.80	-17.38
197	54	336	2.38	1.12	-1.21	-1.10	1.01	0.49	407.72	208.69	236.99	379.42	69.51
		307	2.28	1.10	-1.11	-0.78	0.76	0.79	382.68	272.01	354.17	300.51	48.40
		309	2.08	0.74	-0.96	-0.80	0.58	0.49	335.28	274.70	332.47	277.51	-12.74
		334	2.07	0.72	-1.10	-1.07	0.69	0.25	352.36	229.34	233.52	348.17	-22.30
197	59	336	3.65	1.01	-3.14	-3.08	0.95	-0.50	590.77	126.50	135.49	581.78	63.98
		307	2.87	0.65	-0.61	-0.35	0.39	0.51	494.89	244.26	250.82	488.33	40.01
		309	2.72	0.37	-2.65	-2.53	0.25	-0.57	469.27	236.74	238.75	467.27	-21.52
		334	3.38	0.87	-2.85	-2.61	0.63	-0.91	554.09	139.65	141.60	552.14	-28.38
197	117	336	2.78	2.76	-2.11	-2.11	2.76	0.08	471.40	210.10	277.16	404.34	114.13
		307	2.67	2.44	-2.39	-1.87	1.93	1.50	457.68	260.19	395.22	322.65	91.84
		309	2.38	1.80	-1.66	-1.66	1.80	0.10	394.06	291.57	385.42	300.20	28.47
		334	2.31	2.52	-1.85	-1.85	2.52	-0.17	377.41	281.11	285.25	373.26	19.54
198	4	326	8.08	10.86	-1.22	6.04	3.61	5.92	1153.81	-70.15	1153.75	-70.10	8.00
		297	9.51	6.79	-3.27	4.87	-1.35	3.96	1434.64	79.90	1431.25	83.28	67.64
		289	9.70	6.24	-3.78	2.14	0.32	4.92	1396.63	-83.43	1392.88	-79.68	74.41
		312	8.04	9.68	-2.52	1.61	5.54	5.78	1055.77	-255.23	1039.13	-238.59	146.79
198	34	326	5.81	7.38	-0.89	4.10	2.39	4.04	835.15	-39.05	834.84	-38.74	16.47
		297	6.82	4.62	-2.26	3.30	-0.94	2.71	1033.45	64.68	1030.11	68.02	56.82
		289	6.94	4.25	-2.60	1.46	0.20	3.37	1004.41	-51.51	1001.06	-48.16	59.41
		312	5.77	6.59	-1.76	1.11	3.72	3.96	765.52	-169.85	751.73	-156.06	112.73
198	47	326	4.53	3.21	-0.91	1.82	0.47	1.94	677.65	18.26	673.45	22.47	52.50
		297	5.20	2.07	-1.30	1.44	-0.66	1.32	807.63	81.65	800.39	88.89	72.14
		289	5.24	2.00	-1.39	0.75	-0.14	1.64	775.86	-7.71	770.55	-2.41	64.28
		312	4.46	2.97	-1.13	0.65	1.19	2.03	624.09	-73.86	605.99	-55.76	110.95
198	54	326	4.17	2.73	-0.83	1.56	0.34	1.67	630.77	29.56	624.79	35.53	59.64
		297	4.79	1.77	-1.12	1.22	-0.57	1.14	747.16	83.39	738.45	92.10	75.54
		289	4.79	1.74	-1.21	0.64	-0.12	1.43	716.28	5.71	710.32	11.67	64.80
		312	4.09	2.57	-1.02	0.60	0.95	1.78	582.19	-48.90	562.86	-29.57	108.74
198	56	326	5.57	3.63	-2.87	-2.62	3.38	-1.25	769.85	-77.25	751.52	-58.91	123.27
		297	5.97	0.89	-3.32	-3.14	0.71	-0.84	892.00	30.89	873.62	49.27	124.44
		289	5.87	1.58	-3.07	-3.06	1.58	-0.20	833.73	-53.30	812.89	-32.46	134.35
		312	5.45	3.41	-2.52	-2.50	3.39	-0.33	699.81	-164.84	655.68	-120.71	190.29
198	88	326	4.71	1.69	-0.44	-0.41	1.66	0.28	691.48	-17.12	680.22	-5.87	88.59
		297	5.24	0.03	-0.85	-0.80	-0.01	0.19	810.66	60.53	797.67	73.51	97.83
		289	5.22	0.86	-1.25	-1.01	0.62	0.67	767.20	-19.35	755.31	-7.47	95.95
		312	4.64	2.21	-1.00	-0.80	2.01	0.78	633.55	-99.57	603.48	-69.50	145.40
199	11	318	6.39	0.63	-2.80	-2.63	0.46	0.76	677.95	-399.42	665.23	-386.70	-116.39
		292	7.06	0.47	-2.27	-1.95	0.15	0.88	914.43	-230.19	908.10	-223.86	-84.90
		300	6.80	0.23	-2.07	-2.07	0.23	8.08e-03	852.91	-261.85	840.99	-249.93	-114.66
		330	5.87	0.11	-2.54	-2.54	0.11	-0.02	663.44	-318.01	662.93	-317.50	22.36
199	37	318	4.63	0.41	-1.88	-1.77	0.30	0.49	497.09	-283.04	488.42	-274.36	-81.81
		292	5.11	0.32	-1.53	-1.32	0.12	0.58	660.64	-168.18	656.23	-163.76	-60.33
		300	4.91	0.16	-1.40	-1.40	0.16	2.11e-03	615.72	-190.48	607.00	-181.76	-83.39
		330	4.27	0.08	-1.70	-1.70	0.08	-0.02	485.44	-228.72	485.13	-228.41	14.80
199	50	318	3.65	0.06	-0.35	-0.35	0.06	6.67e-03	434.40	-178.92	430.10	-174.61	-51.18
		292	3.80	0.14	-0.32	-0.31	0.12	0.08	488.70	-134.93	486.16	-132.39	-39.69

		300	3.61	0.09	-0.25	-0.25	0.08	0.04	451.44	-147.01	445.44	-141.01	-59.59
		330	3.51	0.05	-0.26	-0.26	0.05	3.15e-03	418.73	-171.13	418.69	-171.09	4.76
199	54	318	3.47	0.06	-0.35	-0.35	0.06	5.72e-03	415.36	-166.96	411.13	-162.72	-49.48
		292	3.59	0.13	-0.31	-0.30	0.12	0.07	463.50	-124.33	460.99	-121.82	-38.30
		300	3.41	0.09	-0.25	-0.24	0.08	0.04	428.00	-136.68	422.39	-131.07	-56.03
		330	3.34	0.05	-0.26	-0.26	0.05	-5.81e-04	400.39	-160.28	400.35	-160.24	4.42
199	59	318	5.18	0.45	-2.05	-2.03	0.42	-0.24	581.11	-288.65	554.16	-261.70	-150.71
		292	4.87	-1.35	-2.15	-2.11	-1.39	-0.18	628.62	-163.72	621.43	-156.53	-75.16
		300	5.45	-1.49	-2.14	-2.13	-1.51	-0.10	723.67	-153.46	718.71	-148.50	-65.78
		330	5.67	0.43	-2.02	-2.01	0.42	-0.14	687.12	-247.85	681.47	-242.20	-72.42
199	91	318	4.21	0.22	-1.10	-1.09	0.22	-0.10	487.82	-218.73	474.86	-205.77	-94.82
		292	4.15	-0.55	-1.10	-1.10	-0.55	-0.03	536.94	-140.98	532.43	-136.46	-55.14
		300	4.31	-0.62	-1.09	-1.09	-0.62	-0.02	559.58	-143.28	554.32	-138.02	-60.59
		330	4.36	0.21	-1.04	-1.04	0.21	-0.06	526.80	-197.02	525.54	-195.76	-30.22
200	4	322	7.37	11.92	-0.09	10.22	1.61	4.19	1149.96	213.70	1149.23	214.44	-26.23
		287	8.45	7.27	-3.03	6.93	-2.70	1.83	1386.04	424.47	1384.12	426.38	42.89
		297	9.41	6.83	-3.31	4.45	-0.93	4.30	1425.71	95.12	1410.91	109.93	139.56
		326	7.95	10.86	-1.32	5.60	3.95	6.03	1143.53	-47.60	1139.39	-43.45	70.15
200	34	322	5.31	8.08	-0.14	6.91	1.04	2.88	832.76	163.01	832.68	163.10	-7.48
		287	6.08	4.93	-2.09	4.69	-1.85	1.27	1000.10	312.07	997.80	314.36	39.68
		297	6.75	4.65	-2.28	3.01	-0.65	2.94	1027.18	75.38	1014.73	87.84	108.15
		326	5.71	7.38	-0.96	3.79	2.63	4.13	827.98	-23.23	823.63	-18.87	60.74
200	47	322	4.20	3.44	-0.73	2.83	-0.11	1.47	681.70	167.29	678.99	170.00	37.24
		287	4.72	2.10	-1.23	1.91	-1.04	0.77	792.89	274.71	785.75	281.85	60.40
		297	5.15	2.12	-1.31	1.31	-0.51	1.45	803.38	89.16	785.98	106.56	110.11
		326	4.46	3.22	-0.93	1.64	0.65	2.02	673.01	28.88	661.58	40.31	85.03
200	54	322	3.90	2.90	-0.68	2.37	-0.14	1.27	634.54	161.29	629.93	165.90	46.48
		287	4.36	1.78	-1.06	1.61	-0.90	0.67	734.54	258.07	725.15	267.46	66.20
		297	4.75	1.81	-1.14	1.11	-0.44	1.25	743.43	89.96	724.34	109.06	110.06
		326	4.12	2.74	-0.84	1.40	0.50	1.73	626.79	38.82	613.00	52.61	88.99
200	56	322	5.00	3.87	-3.55	-2.63	2.95	2.45	746.80	33.26	745.75	34.32	27.45
		287	5.23	1.00	-3.46	-3.03	0.57	1.31	859.68	232.98	855.27	237.39	52.41
		297	5.82	1.57	-3.26	-3.08	1.39	0.91	885.30	58.36	857.48	86.18	149.10
		326	5.44	3.76	-3.01	-2.45	3.20	1.86	749.78	-92.51	727.34	-70.07	135.65
200	88	322	4.25	2.47	-1.28	-0.01	1.20	1.77	683.03	105.45	680.49	107.98	38.19
		287	4.67	0.53	-1.39	-0.61	-0.26	0.94	788.99	247.75	782.22	254.53	60.19
		297	5.15	1.02	-1.48	-0.83	0.37	1.10	805.91	76.10	782.69	99.32	128.10
		326	4.62	2.71	-1.43	-0.40	1.68	1.79	680.81	-19.30	662.87	-1.35	110.65
201	4	313	4.11	5.49	-4.63	-2.80	3.67	-3.89	605.81	31.76	31.80	605.76	-5.10
		338	5.71	5.98	-3.57	-3.23	5.64	-1.77	660.97	-268.72	-214.70	606.95	217.49
		335	6.00	3.88	-4.28	-3.94	3.54	-1.63	896.90	36.89	62.13	871.65	145.16
		308	5.70	3.26	-4.91	-3.25	1.61	-3.29	910.22	144.89	159.38	895.73	104.31
201	34	313	3.01	3.69	-3.20	-1.97	2.46	-2.64	450.93	37.31	37.35	450.88	-4.39
		338	4.08	4.07	-2.48	-2.26	3.85	-1.17	486.34	-174.53	-135.78	447.59	155.26
		335	4.28	2.62	-2.96	-2.74	2.41	-1.08	647.60	43.58	60.93	630.25	100.89
		308	4.09	2.16	-3.38	-2.28	1.05	-2.22	660.16	120.98	130.12	651.01	69.63
201	47	313	2.67	1.21	-1.38	-1.02	0.85	-0.89	438.19	111.89	114.71	435.36	-30.23
		338	3.02	1.75	-1.16	-1.15	1.75	-0.07	426.03	-31.63	-8.59	403.00	100.05
		335	3.12	1.04	-1.38	-1.38	1.04	-0.07	514.52	137.66	141.84	510.34	39.45
		308	3.24	0.46	-1.50	-1.26	0.23	-0.64	552.80	201.61	201.62	552.79	-1.05
201	54	313	2.56	0.96	-1.34	-1.04	0.66	-0.77	423.20	116.10	118.29	421.00	-25.84
		338	2.82	1.53	-1.14	-1.14	1.53	-0.02	409.09	-8.16	12.51	388.42	90.55
		335	2.91	0.87	-1.30	-1.30	0.87	-0.05	483.72	141.42	144.62	480.52	32.95
		308	3.05	0.30	-1.41	-1.21	0.10	-0.55	522.09	196.69	196.72	522.06	-3.15
201	59	313	4.49	3.19	-4.13	-0.88	-0.06	-3.64	311.06	-443.36	-411.19	278.89	-152.43
		338	5.23	3.32	-3.01	-0.99	1.30	-2.95	407.59	-483.53	-482.48	406.55	-30.45
		335	4.94	2.94	-3.39	-1.11	0.66	-3.04	504.36	-334.21	-332.26	502.41	-40.38
		308	4.22	2.67	-4.29	-1.05	-0.57	-3.48	396.33	-323.09	-313.73	386.97	-81.52
201	91	313	3.07	1.88	-2.49	-0.96	0.36	-2.08	371.36	-129.70	-116.21	357.87	-81.10
		338	3.63	2.02	-1.66	-1.07	1.43	-1.35	398.45	-209.08	-206.72	396.09	37.79
		335	3.56	1.50	-1.93	-1.22	0.78	-1.40	489.85	-65.98	-65.98	489.85	0.90
		308	3.24	1.27	-2.60	-1.14	-0.18	-1.88	464.88	-31.55	-28.70	462.04	-37.46
202	18	129	3.36	20.79	-2.16	19.60	-0.97	5.09	8.39	-440.88	5.91	-438.40	-33.27
		102	4.98	72.38	45.72	67.88	50.23	-9.99	-175.27	-520.71	-520.28	-175.69	-12.09
		131	3.47	34.22	1.80	5.67	30.35	-10.52	-130.67	-502.63	-463.92	-169.38	113.58
		328	3.75	38.29	3.53	21.56	20.26	-17.37	64.42	-358.32	-51.23	-242.67	188.45
202	41	129	2.33	14.04	-1.71	13.21	-0.89	3.51	8.70	-303.08	7.83	-302.22	-16.39
		102	3.55	48.84	30.16	46.02	32.98	-6.69	-116.30	-379.98	-379.98	-116.30	-1.12
		131	2.58	23.00	1.18	4.11	20.07	-7.44	-93.83	-378.09	-348.13	-123.80	87.30
		328	2.72	25.72	2.22	14.62	13.32	-11.73	61.32	-259.63	-34.74	-163.58	146.97
202	47	129	1.33	4.69	-2.83	4.12	-2.26	1.99	42.88	-143.14	32.60	-132.86	42.50
		102	2.66	17.74	2.64	17.52	2.86	-1.81	4.91	-314.01	-307.09	-2.00	46.46
		131	2.71	8.50	-1.93	3.56	3.01	-5.21	-69.97	-402.12	-366.24	-105.85	103.09
		328	2.55	8.07	-0.80	5.74	1.53	-3.90	169.38	-231.07	-9.86	-51.83	199.12
202	54	129	1.19	4.11	-2.62	3.62	-2.13	1.75	41.80	-125.29	31.16	-114.66	40.79
		102	2.48	15.27	1.49	15.13	1.63	-1.36	6.29	-296.75	-290.05	-0.42	44.59
		131	2.54	7.42	-2.02	3.28	2.12	-4.68	-66.93	-377.85	-346.26	-98.52	93.95

		328	2.32	6.73	-0.99	4.84	0.91	-3.32	157.80	-208.88	-9.05	-42.04	182.60
202	62	129	5.88	18.09	-10.88	7.07	0.14	14.07	684.75	-134.11	456.51	94.13	367.16
		102	4.46	16.73	-42.91	16.49	-42.67	-3.80	479.01	-92.57	150.80	235.64	282.63
		131	5.10	-9.79	-44.05	-11.40	-42.44	-7.25	357.07	-390.18	-128.92	95.81	356.33
		328	6.51	-3.43	-13.28	-3.91	-12.80	-2.11	609.40	-501.90	185.32	-77.82	539.85
202	94	129	3.09	9.85	-5.94	5.14	-1.23	7.22	321.74	-120.12	220.26	-18.64	185.85
		102	2.84	15.91	-18.65	15.74	-18.48	-2.38	186.04	-174.77	-93.82	105.08	150.52
		131	3.34	-1.26	-19.99	-3.27	-17.98	-5.79	111.24	-372.05	-249.47	-11.33	210.27
		328	4.15	2.02	-6.40	0.96	-5.34	-2.79	357.87	-337.44	77.28	-56.85	341.12
203	4	350	7.69	12.54	-2.64	-1.24	11.14	4.39	131.15	-1027.35	126.16	-1022.36	75.86
		312	8.42	10.39	-2.43	2.00	5.97	6.09	1141.55	-204.33	1114.65	-177.43	188.36
		327	7.08	6.58	-3.51	-1.26	4.33	4.20	975.19	-147.66	926.43	-98.90	228.86
		345	7.83	9.94	-3.35	-2.73	9.32	2.80	703.17	-643.95	378.18	-318.97	576.35
203	34	350	5.37	8.51	-1.81	-0.79	7.50	3.08	112.78	-707.58	107.41	-702.21	66.10
		312	6.05	7.07	-1.69	1.37	4.00	4.18	826.09	-135.23	804.84	-113.98	141.33
		327	5.07	4.49	-2.43	-0.85	2.91	2.90	707.44	-93.41	670.81	-56.78	167.31
		345	5.56	6.79	-2.32	-1.86	6.33	2.00	516.72	-441.58	282.79	-207.64	411.65
203	47	350	3.59	3.75	-1.08	0.02	2.65	2.03	184.64	-414.96	169.16	-399.48	95.09
		312	4.67	3.18	-1.10	0.81	1.27	2.13	664.84	-54.57	641.57	-31.30	127.27
		327	3.91	2.14	-1.32	-0.13	0.96	1.64	573.67	-18.18	542.28	13.21	132.64
		345	4.07	3.33	-1.27	-0.64	2.71	1.57	447.48	-240.41	275.30	-68.23	297.98
203	54	350	3.16	3.28	-0.94	0.17	2.17	1.86	193.30	-343.28	174.37	-324.35	98.99
		312	4.28	2.72	-0.99	0.73	1.00	1.85	617.72	-33.18	593.92	-9.38	122.16
		327	3.58	1.92	-1.19	-0.08	0.81	1.49	535.66	4.38	505.39	34.65	123.14
		345	3.67	2.92	-1.17	-0.53	2.27	1.49	423.68	-189.60	265.70	-31.62	268.19
203	61	350	4.20	15.41	-0.43	7.10	7.89	7.91	531.19	-141.36	530.96	-141.14	12.39
		312	7.15	10.71	-2.97	7.73	0.01	5.64	1075.53	98.95	1074.22	100.27	35.78
		327	6.35	5.92	-4.79	1.86	-0.73	5.19	1004.63	150.07	1003.79	150.91	26.77
		345	4.55	13.24	-3.27	1.67	8.30	7.56	696.99	104.72	640.46	161.24	174.02
203	93	350	3.44	8.77	-0.63	3.28	4.87	4.63	336.75	-251.55	330.49	-245.30	60.34
		312	5.51	6.17	-1.73	3.86	0.58	3.59	817.15	29.26	808.27	38.14	83.16
		327	4.75	3.64	-2.72	0.76	0.16	3.16	737.47	74.92	727.50	84.89	80.66
		345	3.91	7.60	-2.07	0.44	5.10	4.24	536.12	-54.69	429.95	51.48	226.84
204	18	331	8.91	-3.75	-8.36	-5.34	-6.77	-2.20	471.43	-1010.70	-317.77	-221.49	-739.50
		314	7.36	8.42	-3.70	3.58	1.14	-5.93	-137.98	-1135.64	-799.34	-474.27	-471.61
		275	5.73	-1.72	-10.11	-9.70	-2.13	-1.81	398.70	-546.39	-401.55	253.87	-340.45
		282	9.44	1.83	-3.25	-0.06	-1.36	-2.46	1014.77	-577.62	127.18	309.98	-790.93
204	41	331	6.21	-2.60	-5.60	-3.61	-4.59	-1.42	330.90	-703.23	-205.19	-167.14	-516.72
		314	4.93	5.31	-2.50	2.17	0.64	-3.83	-125.09	-775.64	-558.24	-342.49	-306.87
		275	3.77	-1.19	-6.69	-6.41	-1.47	-1.21	271.24	-351.84	-252.15	171.55	-228.42
		282	6.43	1.02	-2.18	-0.14	-1.02	-1.54	700.33	-383.92	105.73	210.68	-539.58
204	52	331	4.09	-0.86	-1.41	-0.95	-1.32	-0.20	241.25	-452.53	-36.96	-174.32	-340.02
		314	2.35	0.15	-0.84	-0.40	-0.30	-0.49	-282.05	-393.34	-393.00	-282.39	-6.11
		275	1.02	-0.38	-1.30	-1.21	-0.47	-0.27	143.96	-15.80	49.56	78.59	-78.55
		282	3.03	-0.40	-0.70	-0.41	-0.69	-0.06	387.06	-114.07	163.31	109.68	-249.12
204	54	331	3.75	-0.21	-0.59	-0.30	-0.51	0.16	230.62	-409.32	-2.14	-176.56	-307.85
		314	2.39	-0.36	-1.50	-1.23	-0.62	0.49	-232.60	-405.34	-367.96	-269.98	71.13
		275	0.89	0.13	-0.24	0.13	-0.24	4.63e-03	148.28	39.09	126.54	60.84	-43.60
		282	2.40	-0.22	-1.06	-0.59	-0.68	0.42	325.61	-54.89	179.37	91.35	-185.09
204	59	331	11.20	0.48	-0.60	0.04	-0.16	-0.53	144.95	-1598.80	-949.52	-504.33	-842.98
		314	8.32	0.22	-1.17	-0.85	-0.10	-0.58	-204.99	-1331.94	-1263.84	-273.09	-268.53
		275	4.06	0.60	-2.85	-2.51	0.26	-1.02	334.49	-352.07	-181.76	164.18	-296.52
		282	7.43	-0.28	-3.26	-3.24	-0.31	-0.26	374.69	-872.47	-330.50	-167.28	-618.22
204	91	331	6.82	-0.10	-0.44	-0.16	-0.37	-0.13	177.43	-921.64	-421.48	-322.74	-547.31
		314	4.60	-0.42	-1.08	-1.08	-0.42	0.03	-257.88	-777.16	-764.08	-270.97	-81.39
		275	2.00	0.12	-1.23	-1.07	-0.04	-0.44	218.63	-117.83	-8.70	109.50	-157.50
		282	4.39	-0.52	-1.81	-1.79	-0.53	0.13	344.18	-414.05	-45.61	-24.26	-378.96
205	4	316	5.23	5.21	-3.69	-2.33	3.85	3.20	864.50	220.84	745.57	339.76	249.81
		283	5.77	3.91	-4.19	-1.38	1.10	3.86	970.80	309.71	969.61	310.89	28.00
		276	4.62	2.74	-3.86	-1.99	0.87	2.97	782.50	490.43	782.46	490.46	3.10
		307	4.20	3.47	-3.46	-2.54	2.55	2.35	711.61	451.90	614.03	549.48	125.78
205	34	316	3.78	3.57	-2.55	-1.60	2.62	2.21	626.80	166.40	541.56	251.64	178.83
		283	4.14	2.68	-2.87	-0.94	0.76	2.64	698.99	228.23	697.99	229.23	21.65
		276	3.33	1.89	-2.64	-1.36	0.62	2.03	565.54	355.36	565.46	355.43	4.04
		307	3.05	2.38	-2.38	-1.75	1.75	1.62	516.56	329.62	448.64	397.53	89.91
205	47	316	2.96	1.68	-1.31	-0.68	1.04	1.23	499.98	164.59	444.96	219.61	124.20
		283	3.16	1.33	-1.37	-0.34	0.31	1.31	538.60	190.40	538.23	190.78	11.43
		276	2.59	1.01	-1.21	-0.52	0.32	1.03	441.14	276.89	441.10	276.93	-2.57
		307	2.43	1.22	-1.23	-0.83	0.82	0.91	410.85	281.03	380.59	311.28	54.89
205	54	316	2.75	1.50	-1.20	-0.61	0.91	1.11	467.00	168.13	417.85	217.28	110.79
		283	2.93	1.20	-1.21	-0.30	0.30	1.16	500.73	188.62	500.38	188.97	10.42
		276	2.44	0.91	-1.06	-0.47	0.32	0.90	415.20	264.64	415.16	264.68	-2.39
		307	2.29	1.09	-1.12	-0.76	0.74	0.81	385.52	271.96	361.23	296.26	46.57
205	59	316	3.94	0.93	-2.91	-2.80	0.81	0.64	664.66	219.61	527.34	356.93	205.56
		283	3.71	-1.23	-3.24	-2.85	-1.62	0.79	625.03	238.55	595.01	268.57	103.45
		276	3.16	-0.44	-2.51	-2.46	-0.49	0.33	532.66	323.40	510.51	345.56	64.39
		307	3.36	0.71	-2.38	-2.38	0.71	0.08	573.61	337.62	472.82	438.41	116.73

205	111	316	3.21	3.32	-2.79	-1.73	2.27	2.31	527.08	122.56	456.40	193.24	153.61
		283	3.24	1.23	-3.59	-1.69	-0.67	2.36	542.21	163.44	535.59	170.05	49.63
		276	2.64	1.73	-2.57	-1.71	0.87	1.72	450.44	238.90	445.37	243.98	32.37
		307	2.55	2.74	-2.33	-1.74	2.14	1.63	439.86	226.98	396.38	270.45	85.82
206	18	278	6.28	1.85	-6.26	-2.55	-1.86	-4.04	958.50	88.84	207.46	839.88	298.48
		310	6.03	2.58	-5.76	-4.11	0.93	-3.32	888.57	-27.10	31.33	830.13	223.82
		320	5.38	1.09	-4.68	-3.63	0.05	-2.22	718.41	-149.14	-57.87	627.14	266.18
		285	5.31	0.28	-5.11	-1.83	-3.01	-2.63	796.23	48.28	149.44	695.06	255.80
206	41	278	4.39	1.13	-4.32	-1.80	-1.39	-2.71	685.53	98.82	174.17	610.18	196.29
		310	4.23	1.68	-3.95	-2.85	0.58	-2.23	638.55	9.24	46.72	601.07	148.92
		320	3.69	0.68	-3.24	-2.55	-0.01	-1.50	507.62	-78.06	-17.26	446.82	178.65
		285	3.62	0.06	-3.54	-1.33	-2.14	-1.75	560.16	71.82	139.15	492.83	168.36
206	47	278	3.19	-0.54	-2.01	-1.20	-1.34	-0.73	538.88	342.27	342.31	538.84	-2.75
		310	3.00	0.02	-1.50	-1.33	-0.15	-0.48	517.27	217.46	217.58	517.16	5.83
		320	1.97	-0.19	-1.61	-1.39	-0.41	-0.51	337.47	150.32	153.34	334.45	23.58
		285	2.43	-0.82	-1.81	-1.28	-1.34	-0.49	367.88	348.26	366.00	350.14	5.77
206	54	278	3.00	-0.62	-1.85	-1.13	-1.34	-0.61	505.17	325.43	326.00	504.61	-10.02
		310	2.81	-0.09	-1.39	-1.25	-0.23	-0.41	483.83	210.89	210.90	483.82	1.33
		320	1.80	-0.26	-1.47	-1.29	-0.44	-0.43	309.73	148.77	151.05	307.45	19.01
		285	2.29	-0.87	-1.65	-1.20	-1.32	-0.39	353.46	319.59	353.42	319.64	-1.19
206	70	278	5.45	-1.01	-3.60	-1.96	-2.64	-1.25	930.17	345.25	640.23	635.19	-292.45
		310	4.69	1.54	-2.18	-1.93	1.28	-0.93	799.33	300.81	523.81	576.33	-247.87
		320	4.31	1.25	-1.83	-1.69	1.11	-0.64	741.42	352.88	697.96	396.34	-122.46
		285	6.11	-1.36	-3.04	-1.77	-2.63	-0.72	1029.45	316.95	898.65	447.75	-275.84
206	102	278	3.85	-0.80	-2.64	-1.51	-1.92	-0.90	658.98	367.40	464.08	562.30	-137.27
		310	3.35	0.63	-1.75	-1.56	0.44	-0.64	577.28	295.42	348.45	524.25	-110.16
		320	2.55	0.39	-1.62	-1.48	0.25	-0.52	417.73	320.99	392.75	345.96	-42.34
		285	3.78	-1.11	-2.26	-1.47	-1.90	-0.53	649.30	320.48	593.88	375.90	-123.10
207	11	309	3.67	2.45	-3.18	-2.52	1.79	1.81	561.21	530.41	554.32	537.29	-12.83
		277	4.29	1.99	-3.29	-1.90	0.61	2.33	720.24	482.10	720.11	482.22	-5.37
		286	4.53	1.18	-2.75	-2.01	0.44	1.53	760.86	269.79	759.59	271.06	-24.94
		321	3.62	1.27	-2.69	-2.34	0.91	1.13	608.19	248.56	553.55	303.20	-129.09
207	37	309	2.66	1.67	-2.18	-1.74	1.23	1.23	409.66	383.35	407.04	385.97	-7.88
		277	3.10	1.36	-2.23	-1.30	0.43	1.58	521.40	347.19	521.39	347.20	-1.35
		286	3.27	0.81	-1.86	-1.37	0.32	1.03	550.69	193.55	550.11	194.13	-14.38
		321	2.64	0.87	-1.84	-1.61	0.64	0.75	443.81	181.45	408.14	217.13	-89.93
207	50	309	2.17	0.71	-0.96	-0.81	0.56	0.49	352.88	281.00	350.57	283.32	-12.69
		277	2.35	0.61	-0.82	-0.50	0.29	0.60	398.54	258.06	398.48	258.13	-2.96
		286	2.46	0.38	-0.60	-0.46	0.24	0.35	416.73	141.87	416.68	141.92	-3.71
		321	2.26	0.44	-0.73	-0.69	0.39	0.22	382.02	139.33	364.49	156.87	-62.83
207	54	309	2.09	0.70	-0.95	-0.80	0.55	0.48	340.20	272.13	337.61	274.71	-13.01
		277	2.25	0.61	-0.81	-0.49	0.29	0.60	382.30	249.37	382.07	249.60	-5.52
		286	2.34	0.38	-0.59	-0.45	0.24	0.34	397.35	139.24	397.19	139.40	-6.31
		321	2.17	0.43	-0.72	-0.68	0.39	0.22	367.26	136.39	349.59	154.06	-61.39
207	76	309	2.27	0.17	-0.99	0.11	-0.93	-0.27	382.47	120.05	309.69	192.83	-117.49
		277	2.43	1.68	0.48	0.55	1.61	-0.28	405.40	116.95	358.24	164.11	-106.68
		286	3.27	1.55	0.30	0.37	1.49	-0.29	501.46	21.94	467.47	55.92	-123.05
		321	3.42	1.13	-2.09	0.18	-1.14	1.46	506.59	-2.28	430.15	74.16	-181.82
207	104	309	2.07	-0.13	-0.32	-0.30	-0.15	0.05	354.94	214.18	328.05	241.07	-55.33
		277	2.24	0.91	0.05	0.07	0.88	-0.14	386.64	199.74	374.14	212.24	-46.69
		286	2.69	0.79	-0.02	-0.02	0.79	-0.02	440.45	94.18	431.56	103.07	-54.75
		321	2.65	0.45	-1.02	-0.24	-0.34	0.73	428.60	81.21	388.39	121.42	-111.14
208	11	346	7.41	-0.30	-3.14	-3.13	-0.30	-0.13	-13.80	-1113.87	-90.43	-1037.24	-280.05
		318	6.29	0.62	-3.45	-3.16	0.33	1.05	755.77	-277.73	755.12	-277.08	-25.91
		330	5.88	0.71	-3.21	-3.12	0.62	-0.58	606.49	-384.92	605.50	-383.93	-31.37
		317	5.60	-0.72	-4.15	-4.03	-0.84	0.63	352.68	-598.60	292.89	-538.80	230.88
208	37	346	5.26	-0.26	-2.11	-2.11	-0.26	-0.12	16.07	-778.52	-33.36	-729.09	-191.92
		318	4.57	0.44	-2.30	-2.11	0.26	0.69	550.94	-200.04	550.41	-199.51	-19.94
		330	4.27	0.44	-2.16	-2.10	0.39	-0.39	446.62	-273.36	446.02	-272.76	-20.76
		317	4.06	-0.49	-2.73	-2.67	-0.55	0.39	264.95	-425.85	225.12	-386.02	161.03
208	50	346	3.95	-0.14	-0.40	-0.35	-0.19	-0.10	239.45	-435.19	232.05	-427.79	-70.26
		318	3.66	0.19	-0.33	-0.33	0.19	-0.02	454.96	-152.55	453.16	-150.75	-32.99
		330	3.46	-0.02	-0.29	-0.28	-0.04	0.05	409.31	-171.76	409.23	-171.68	6.75
		317	3.37	0.07	-0.25	-0.15	-0.03	-0.15	280.58	-301.75	270.53	-291.70	75.83
208	54	346	3.78	-0.13	-0.39	-0.35	-0.18	-0.10	235.05	-410.93	227.91	-403.78	-67.55
		318	3.48	0.18	-0.33	-0.33	0.18	-0.02	434.70	-141.86	432.87	-140.04	-32.35
		330	3.29	-0.02	-0.28	-0.27	-0.03	0.05	391.61	-160.54	391.53	-160.47	6.59
		317	3.22	0.06	-0.25	-0.15	-0.03	-0.14	272.25	-284.51	263.01	-275.27	71.14
208	76	346	7.32	1.31	-3.87	-3.83	1.28	0.45	225.49	-951.52	190.08	-916.11	201.05
		318	5.18	1.52	-3.85	-3.79	1.46	0.53	580.09	-272.32	580.08	-272.32	1.93
		330	2.89	1.38	-3.64	-3.59	1.33	0.49	-118.01	-474.33	-169.88	-422.46	125.66
		317	8.10	1.54	-3.51	-3.49	1.52	0.32	-98.82	-1257.08	-396.43	-959.47	506.10
208	108	346	5.11	0.48	-1.87	-1.86	0.47	0.15	213.62	-628.52	210.81	-625.71	48.55
		318	4.23	0.76	-1.85	-1.83	0.74	0.24	498.74	-199.94	498.32	-199.52	-17.16
		330	2.65	0.59	-1.75	-1.72	0.56	0.25	159.48	-283.78	151.18	-275.48	60.06
		317	4.82	0.66	-1.62	-1.61	0.66	0.06	82.91	-673.28	-19.45	-570.92	258.70
209	4	323	4.02	8.79	-3.87	-0.92	5.84	-5.35	137.40	-474.52	-236.87	-100.25	-298.24

		344	7.05	8.64	-1.95	-1.11	7.79	-2.86	-138.93	-1116.81	-1017.64	-238.09	295.20
		338	5.77	5.93	-4.35	-3.99	5.58	-1.88	708.31	-210.26	-171.10	669.14	185.59
		313	4.15	5.37	-4.64	-2.42	3.14	-4.16	601.40	0.23	0.86	600.77	19.51
209	34	323	2.80	5.96	-2.70	-0.70	3.96	-3.65	115.53	-316.62	-156.58	-44.52	-208.68
		344	4.99	5.91	-1.36	-0.82	5.38	-1.90	-71.45	-777.40	-704.81	-144.05	214.42
		338	4.12	4.03	-3.00	-2.78	3.81	-1.24	519.34	-132.20	-104.06	491.19	132.46
		313	3.03	3.61	-3.20	-1.71	2.11	-2.82	447.72	15.03	15.43	447.32	13.13
209	47	323	2.08	2.49	-1.17	-0.37	1.68	-1.52	196.93	-144.28	-49.65	102.31	-152.75
		344	3.51	2.84	-0.53	-0.49	2.80	-0.38	70.43	-481.45	-422.77	11.75	170.12
		338	3.05	1.76	-1.40	-1.40	1.76	-0.03	447.50	3.72	19.61	431.61	82.47
		313	2.66	1.23	-1.28	-0.88	0.83	-0.92	433.17	98.33	99.15	432.34	-16.64
209	54	323	1.90	2.06	-1.19	-0.51	1.38	-1.32	201.57	-106.08	-31.43	126.92	-131.89
		344	3.17	2.55	-0.66	-0.65	2.53	-0.23	100.42	-409.05	-354.81	46.18	157.13
		338	2.84	1.52	-1.32	-1.32	1.52	1.56e-03	427.56	24.19	38.51	413.25	74.63
		313	2.55	0.97	-1.26	-0.93	0.64	-0.80	418.89	103.82	104.42	418.29	-13.77
209	59	323	8.60	5.42	-4.72	-0.02	0.72	-5.06	61.07	-1222.47	-842.08	-319.32	-586.13
		344	7.87	5.48	-3.59	-0.27	2.17	-4.37	67.22	-1126.85	-1092.48	32.85	-199.64
		338	5.20	4.61	-4.44	-0.97	1.14	-4.40	416.33	-466.41	-461.04	410.96	-68.67
		313	4.31	4.50	-5.15	-0.63	-0.02	-4.82	103.46	-558.46	-469.75	14.75	-225.50
209	91	323	4.71	3.49	-2.68	-0.30	1.10	-3.01	138.91	-602.09	-390.89	-72.28	-334.50
		344	4.74	3.48	-1.59	-0.48	2.37	-2.10	39.58	-681.90	-681.89	39.58	-2.31
		338	3.59	2.43	-2.25	-1.17	1.35	-1.97	412.20	-183.01	-182.77	411.95	12.09
		313	2.67	2.45	-2.88	-0.79	0.36	-2.60	265.23	-177.23	-150.02	238.02	-106.29
210	4	311	6.03	18.56	-0.74	6.15	11.67	-9.25	640.83	-363.60	594.54	-317.31	-210.60
		104	26.91	15.60	2.02	10.75	6.87	-6.51	-3090.71	-4503.34	-3202.79	-4391.26	381.79
		344	10.33	8.62	-7.97	-7.76	8.40	-1.89	733.45	-968.45	-967.44	732.44	-41.46
		323	6.09	9.25	-3.98	-0.08	5.35	-6.03	-369.39	-1026.51	-542.55	-853.35	-289.49
210	34	311	4.23	12.58	-0.60	4.17	7.81	-6.33	455.22	-246.72	421.08	-212.58	-151.01
		104	18.84	10.73	1.50	7.21	5.02	-4.48	-2178.10	-3147.47	-2268.00	-3057.57	281.18
		344	7.23	5.89	-5.49	-5.37	5.76	-1.19	537.00	-657.28	-656.80	536.52	-23.96
		323	4.15	6.33	-2.77	-0.11	3.67	-4.14	-249.64	-697.85	-376.00	-571.50	-201.66
210	47	311	2.94	5.57	-0.50	2.51	2.56	-3.04	343.15	-130.08	304.88	-91.82	-129.01
		104	12.60	6.52	1.27	3.40	4.39	-2.58	-1491.61	-2092.30	-1639.33	-1944.58	258.68
		344	4.72	2.80	-3.01	-2.98	2.78	0.37	468.80	-315.66	-315.62	468.77	-5.04
		323	2.33	3.21	-1.19	0.02	2.00	-1.97	-93.87	-377.60	-226.00	-245.47	-141.53
210	54	311	2.57	4.50	-0.76	1.81	1.93	-2.63	306.56	-104.06	269.45	-66.95	-117.73
		104	10.95	5.55	0.94	2.12	4.36	-2.02	-1294.20	-1817.56	-1453.43	-1658.34	240.79
		344	4.17	2.49	-2.49	-2.46	2.46	0.38	443.14	-244.90	-244.89	443.13	2.06
		323	1.92	2.65	-1.20	-0.24	1.69	-1.67	-61.10	-303.88	-191.35	-173.63	-121.06
210	61	311	3.44	1.27	-2.39	-2.23	1.11	-0.73	-90.90	-548.14	-236.05	-402.98	212.84
		104	18.94	10.67	-1.18	-1.16	10.66	0.42	-986.90	-3182.49	-1956.19	-2213.20	1090.25
		344	8.45	9.88	-4.50	-2.63	8.02	4.83	1192.99	-38.76	375.80	778.43	582.04
		323	3.03	6.87	-2.56	-2.07	6.38	2.10	449.80	14.97	406.33	58.44	130.43
210	117	311	2.44	6.01	-2.26	-0.15	3.89	-3.61	12.48	-337.35	12.44	-337.32	3.57
		104	14.38	8.64	-1.11	0.10	7.43	-3.21	-1366.32	-2446.63	-1734.51	-2078.44	512.05
		344	3.80	5.46	-3.35	-3.25	5.36	-0.95	221.21	-387.39	-366.74	200.56	-110.19
		323	3.01	4.98	-2.69	-1.39	3.68	-2.88	-139.30	-491.83	-302.99	-328.14	-175.81
211	4	312	8.21	9.46	-2.52	1.64	5.29	5.70	1063.42	-282.59	1049.73	-268.90	135.04
		289	9.64	6.23	-3.67	2.26	0.29	4.85	1395.51	-70.78	1392.96	-68.23	61.09
		294	8.07	4.94	-4.14	-0.04	0.84	4.52	1219.24	21.95	1218.61	22.59	27.58
		327	7.34	7.24	-3.39	-0.99	4.85	4.44	1030.50	-127.62	960.26	-57.39	276.42
211	34	312	5.88	6.43	-1.75	1.13	3.55	3.91	770.88	-188.61	759.39	-177.13	104.34
		289	6.90	4.24	-2.53	1.54	0.18	3.32	1003.59	-42.64	1001.23	-40.27	49.66
		294	5.77	3.38	-2.84	-0.03	0.57	3.10	876.39	24.02	875.77	24.64	23.08
		327	5.27	4.95	-2.34	-0.67	3.28	3.07	746.07	-79.82	694.26	-28.01	200.26
211	47	312	4.53	2.87	-1.12	0.68	1.06	1.98	627.61	-84.43	611.86	-68.69	104.70
		289	5.21	1.96	-1.35	0.76	-0.15	1.59	775.20	-2.06	771.17	1.97	55.83
		294	4.35	1.67	-1.44	0.13	0.10	1.56	672.89	45.57	672.08	46.37	22.47
		327	4.04	2.36	-1.30	-0.15	1.21	1.70	597.56	-10.82	556.43	30.31	152.74
211	54	312	4.14	2.49	-1.01	0.63	0.85	1.74	585.23	-57.53	568.24	-40.54	103.11
		289	4.77	1.70	-1.18	0.66	-0.14	1.39	715.56	10.78	710.95	15.39	56.83
		294	3.98	1.48	-1.27	0.11	0.10	1.38	621.69	57.06	620.76	57.99	22.83
		327	3.70	2.08	-1.18	-0.11	1.01	1.53	556.12	10.31	517.43	49.00	140.07
211	56	312	5.01	2.58	-3.12	-2.87	2.33	-1.16	735.68	11.56	680.31	66.93	192.43
		289	5.55	-0.92	-3.55	-3.21	-1.26	-0.88	842.52	52.21	823.82	70.91	120.15
		294	4.55	1.69	-2.12	-1.89	1.46	-0.89	709.68	90.48	694.62	105.55	95.39
		327	4.42	3.20	-2.22	-1.77	2.74	-1.51	674.72	64.56	586.56	152.72	214.52
211	88	312	4.46	1.55	-1.01	-0.96	1.50	0.36	649.14	-24.61	617.29	7.24	142.98
		289	5.06	-0.49	-1.23	-1.08	-0.63	0.30	770.23	30.26	760.39	40.11	84.80
		294	4.20	0.77	-0.84	-0.77	0.70	0.32	658.29	74.03	653.07	79.25	54.99
		327	3.96	1.77	-0.85	-0.85	1.76	0.12	606.25	36.67	547.69	95.22	172.98
212	19	324	10.61	5.26	-2.92	0.21	2.12	3.98	1377.18	-313.90	628.20	435.08	840.01
		342	20.75	3.33	-9.33	-6.57	0.56	-5.23	83.16	-3017.70	-2752.69	-181.85	-866.91
		106	34.57	13.53	-4.50	6.02	3.02	8.89	4200.22	-1484.17	2460.57	255.48	2619.63
		315	12.37	3.85	-5.26	-0.27	-1.14	-4.54	518.24	-1501.91	-235.53	-748.14	-977.02
212	38	324	7.51	3.03	-2.07	-0.19	1.15	2.46	890.88	-345.60	311.73	233.55	617.00
		342	13.81	2.10	-6.45	-4.66	0.32	-3.47	127.30	-1968.49	-1779.93	-61.26	-599.69

		106	21.59	8.50	-2.97	3.66	1.86	5.67	2195.01	-1461.49	964.42	-230.90	1727.80
		315	9.02	2.34	-3.78	-0.46	-0.99	-3.05	319.84	-1140.00	-20.37	-799.79	-617.18
212	47	324	2.47	-0.35	-1.77	-1.16	-0.95	-0.70	-108.90	-412.98	-326.46	-195.42	137.20
		342	1.61	0.22	-0.85	-0.73	0.10	0.34	266.70	201.55	202.30	265.94	6.97
		106	12.38	0.31	-2.66	-2.13	-0.23	-1.15	-1346.22	-2105.01	-2045.60	-1405.63	-203.84
		315	6.76	-0.64	-1.28	-1.28	-0.64	-0.04	447.23	-711.79	431.04	-695.59	136.04
212	54	324	2.41	-0.37	-1.58	-1.07	-0.87	-0.60	-87.55	-396.61	-302.10	-182.05	142.39
		342	1.42	0.11	-0.79	-0.73	0.04	0.24	233.02	181.00	185.84	228.17	-15.12
		106	11.60	0.25	-2.26	-1.80	-0.21	-0.97	-1260.15	-1974.92	-1943.09	-1291.98	-147.43
		315	6.85	-0.61	-1.14	-1.13	-0.61	-0.06	426.79	-743.96	414.21	-731.38	120.69
212	65	324	5.35	2.68	-3.17	-2.77	2.27	-1.48	604.91	-274.82	602.65	-272.57	44.50
		342	16.47	7.09	-2.16	-1.79	6.71	-1.83	2670.16	550.95	1276.77	1944.34	-1005.66
		106	27.38	7.31	-7.63	-6.89	6.57	-3.24	631.60	-3693.95	-3565.43	503.08	-734.46
		315	11.93	-1.74	-7.12	-6.82	-2.04	-1.22	-492.95	-1973.15	-1394.72	-1071.38	722.23
212	97	324	2.27	0.87	-2.25	-1.87	0.50	-1.01	117.63	-252.33	88.66	-223.36	99.39
		342	7.77	3.09	-1.34	-1.24	2.99	-0.68	1288.18	346.45	653.18	981.45	-441.33
		106	17.13	3.34	-4.55	-4.01	2.80	-1.99	-418.60	-2724.38	-2649.30	-493.68	-409.24
		315	6.77	-1.12	-3.75	-3.62	-1.25	-0.59	-162.34	-1086.82	-367.26	-881.91	383.99
213	18	310	6.15	2.52	-4.91	-3.61	1.22	-2.83	903.22	-29.51	27.63	846.07	223.69
		337	6.00	2.97	-4.97	-4.62	2.62	-1.62	835.07	-79.43	-61.63	817.27	126.34
		341	5.36	1.65	-4.46	-4.08	1.28	-1.47	598.27	-290.45	-282.32	590.14	84.61
		320	5.63	0.98	-4.29	-3.31	-7.47e-03	-2.06	717.03	-212.92	-136.43	640.53	255.51
213	41	310	4.32	1.64	-3.40	-2.53	0.77	-1.90	648.35	7.01	43.35	612.00	148.29
		337	4.20	2.00	-3.41	-3.19	1.77	-1.08	599.48	-31.65	-20.38	588.22	83.56
		341	3.68	1.12	-3.09	-2.84	0.87	-1.00	424.60	-181.04	-176.85	420.40	50.23
		320	3.86	0.61	-2.97	-2.31	-0.05	-1.39	507.57	-121.82	-71.07	456.82	171.37
213	47	310	3.03	0.02	-1.59	-1.41	-0.16	-0.50	520.48	206.16	206.16	520.47	-1.22
		337	2.81	0.58	-1.29	-1.28	0.57	-0.12	472.33	155.53	155.84	472.01	-9.99
		341	2.15	0.26	-1.35	-1.30	0.21	-0.27	329.15	23.46	43.09	309.52	-74.94
		320	2.05	-0.19	-1.46	-1.23	-0.42	-0.48	349.44	135.40	137.53	347.31	21.24
213	54	310	2.83	-0.09	-1.47	-1.32	-0.23	-0.43	486.86	200.51	200.61	486.76	-5.31
		337	2.61	0.47	-1.22	-1.21	0.46	-0.10	441.85	153.75	154.43	441.18	-13.95
		341	1.99	0.19	-1.25	-1.21	0.15	-0.24	306.89	24.13	45.64	285.38	-74.96
		320	1.88	-0.26	-1.35	-1.16	-0.45	-0.41	321.23	134.04	135.55	319.73	16.70
213	67	310	3.71	-1.69	-4.04	-4.03	-1.70	-0.14	460.85	-152.46	-86.98	395.37	189.40
		337	5.11	-0.94	-3.71	-3.70	-0.95	0.15	671.77	-152.15	-120.41	640.02	158.59
		341	4.56	-1.27	-3.25	-3.25	-1.27	-0.04	509.82	-259.69	-240.38	490.51	120.37
		320	2.80	-1.88	-3.43	-3.41	-1.91	-0.19	269.23	-209.80	-162.71	222.14	142.62
213	99	310	2.93	-0.83	-2.65	-2.60	-0.88	-0.31	464.07	57.15	74.40	446.82	81.98
		337	3.55	-0.16	-2.38	-2.38	-0.16	5.56e-03	539.81	25.89	33.88	531.82	63.58
		341	2.86	-0.46	-2.18	-2.16	-0.47	-0.16	378.83	-79.03	-78.73	378.54	11.55
		320	2.02	-1.00	-2.30	-2.21	-1.09	-0.32	294.93	-11.92	5.77	277.24	71.53
214	4	333	2.22	27.45	5.05	15.07	17.42	11.14	-80.20	-282.31	-280.83	-81.68	-17.26
		351	4.40	18.23	2.25	14.32	6.16	6.87	628.67	19.98	608.16	40.49	-109.83
		347	5.02	16.58	0.02	6.58	10.02	8.10	545.24	-290.92	543.93	-289.60	-33.12
		349	3.64	19.70	0.29	3.84	16.14	7.51	-267.51	-530.30	-338.25	-459.55	-116.56
214	34	333	1.46	18.55	3.22	10.19	11.58	7.63	-53.53	-189.23	-189.20	-53.56	-1.90
		351	3.18	12.35	1.41	9.68	4.08	4.70	458.92	26.67	448.78	36.81	-65.43
		347	3.57	11.24	-0.06	4.47	6.70	5.54	402.30	-193.88	402.11	-193.68	-10.73
		349	2.43	13.33	0.12	2.64	10.81	5.20	-186.61	-353.26	-224.23	-315.64	-69.68
214	47	333	0.77	7.68	-0.38	4.45	2.84	3.95	13.61	-87.02	-66.88	-6.53	40.26
		351	2.66	5.19	-0.48	3.98	0.73	2.32	410.27	70.25	410.25	70.27	2.76
		347	2.89	4.85	-0.74	2.11	2.00	2.79	374.91	-86.16	371.01	-82.26	42.22
		349	1.11	5.80	-0.90	1.49	3.41	3.21	-70.36	-172.88	-70.39	-172.85	1.82
214	54	333	0.77	6.39	-0.52	3.70	2.17	3.37	25.97	-77.89	-49.81	-2.11	46.13
		351	2.50	4.35	-0.50	3.32	0.53	1.98	388.66	71.57	387.80	72.42	16.42
		347	2.70	4.08	-0.68	1.82	1.58	2.38	358.91	-64.23	352.34	-57.66	52.30
		349	0.91	4.88	-0.81	1.34	2.73	2.76	-41.46	-143.67	-44.03	-141.10	16.00
214	62	333	8.42	7.51	-18.93	7.22	-18.63	2.78	1359.42	428.19	1323.13	464.48	180.22
		351	10.87	8.07	-10.70	7.92	-10.55	1.66	1775.11	531.98	1765.54	541.55	108.64
		347	10.17	9.99	-9.51	8.71	-8.23	4.83	1612.89	367.66	1595.58	384.96	145.77
		349	7.88	6.97	-18.08	6.61	-17.72	2.96	1228.87	274.57	1202.94	300.51	155.17
214	94	333	3.76	5.94	-7.98	5.21	-7.25	3.10	590.33	175.90	561.15	205.08	106.04
		351	6.22	5.63	-4.80	5.30	-4.47	1.83	1005.58	276.09	1000.92	280.75	58.10
		347	5.97	6.16	-4.16	4.82	-2.82	3.47	917.05	127.40	905.56	138.89	94.56
		349	3.61	4.36	-7.25	3.62	-6.51	2.83	523.85	41.97	510.82	54.99	78.15
215	4	351	4.34	18.21	2.61	14.37	6.44	6.72	624.01	31.01	602.94	52.08	-109.78
		322	7.36	12.01	-0.23	10.98	0.80	3.39	1146.94	213.08	1135.82	224.20	-101.31
		326	8.01	10.82	-1.27	6.56	2.98	5.78	1147.14	-57.68	1146.69	-57.23	-23.36
		347	4.89	15.79	0.08	6.89	8.97	7.79	542.94	-269.96	536.84	-263.85	-70.17
215	34	351	3.14	12.34	1.64	9.72	4.26	4.60	455.96	33.78	445.35	44.39	-66.09
		322	5.30	8.14	-0.23	7.43	0.48	2.33	830.60	162.70	824.93	168.37	-61.28
		326	5.76	7.35	-0.93	4.45	1.97	3.95	830.53	-30.27	830.49	-30.23	-5.85
		347	3.48	10.71	-0.03	4.69	5.99	5.33	400.72	-178.84	398.31	-176.44	-37.25
215	47	351	2.65	5.20	-0.39	4.07	0.75	2.25	409.00	73.02	409.00	73.02	-0.73
		322	4.20	3.47	-0.76	3.07	-0.36	1.23	680.21	167.58	680.18	167.61	-3.71
		326	4.49	3.26	-0.93	1.99	0.34	1.92	674.80	24.35	672.79	26.36	36.13

		347	2.83	4.61	-0.75	2.17	1.69	2.67	374.26	-75.07	373.18	-73.99	22.03
215	54	351	2.49	4.36	-0.43	3.40	0.53	1.92	387.32	73.68	386.83	74.17	12.37
		322	3.89	2.93	-0.70	2.58	-0.36	1.07	633.26	161.64	633.08	161.82	9.16
		326	4.14	2.77	-0.84	1.70	0.24	1.65	628.42	34.84	625.00	38.26	44.93
		347	2.65	3.89	-0.70	1.87	1.32	2.27	358.62	-54.29	355.79	-51.47	34.01
215	62	351	5.03	4.21	-12.09	3.34	-11.22	-3.67	841.63	368.19	841.38	368.43	-10.81
		322	6.54	3.84	-4.85	3.36	-4.37	-1.99	1108.15	444.74	1099.02	453.87	77.29
		326	6.96	6.23	-3.27	5.88	-2.92	1.78	1131.40	318.14	1115.30	334.24	113.29
		347	5.21	5.34	-9.61	5.17	-9.45	1.58	836.47	247.41	836.38	247.50	7.42
215	94	351	3.59	3.41	-4.79	3.36	-4.74	-0.64	588.91	204.80	588.89	204.82	2.64
		322	5.05	2.93	-2.18	2.91	-2.15	-0.34	843.19	288.52	840.24	291.46	40.29
		326	5.37	4.06	-1.73	3.51	-1.18	1.71	851.76	161.16	843.27	169.65	76.09
		347	3.73	3.82	-4.03	3.30	-3.51	1.96	570.81	80.19	569.75	81.25	22.78
216	4	302	3.71	27.02	6.76e-03	16.86	10.17	-13.09	480.27	125.38	262.53	343.12	-172.81
		301	7.23	17.84	-3.39	11.72	2.73	-9.61	1146.26	456.56	981.12	621.70	-294.32
		348	4.74	20.56	1.43	20.46	1.54	-1.43	708.91	239.81	635.48	313.24	-170.45
		329	1.45	35.14	10.84	35.06	10.92	-1.40	81.67	-37.87	-28.12	71.92	-32.72
216	34	302	2.57	18.31	-0.05	11.57	6.70	-8.85	340.38	105.60	198.50	247.48	-114.81
		301	5.18	12.06	-2.32	8.01	1.73	-6.47	827.63	341.02	719.42	449.23	-202.35
		348	3.40	13.92	0.86	13.86	0.93	-0.90	514.04	183.52	470.34	227.22	-111.95
		329	0.93	23.79	7.07	23.75	7.12	-0.89	54.63	-13.92	-10.94	51.65	-13.99
216	47	302	1.75	7.72	-1.02	5.43	1.28	-3.84	264.31	167.14	223.85	207.60	-47.90
		301	4.07	4.82	-1.40	3.61	-0.20	-2.46	679.76	321.71	632.94	368.53	-120.72
		348	2.75	5.77	-0.63	5.76	-0.63	-0.06	444.87	188.11	436.93	196.05	-44.45
		329	0.69	9.97	0.58	9.96	0.59	-0.30	85.58	28.30	57.39	56.49	28.64
216	54	302	1.56	6.53	-0.91	4.72	0.90	-3.19	237.04	160.92	208.85	189.12	-36.76
		301	3.74	4.05	-1.22	3.12	-0.29	-2.02	627.43	302.80	591.32	338.91	-102.07
		348	2.56	4.84	-0.63	4.84	-0.63	0.02	416.40	176.50	412.38	180.52	-30.77
		329	0.69	8.34	0.26	8.34	0.26	-0.18	87.45	19.53	57.58	49.40	33.71
216	62	302	7.45	-3.48	-14.84	-9.03	-9.29	-5.68	1239.13	494.34	1239.11	494.36	-4.05
		301	9.64	-4.37	-11.88	-9.50	-6.75	-3.50	1605.19	581.38	1604.36	582.21	-29.16
		348	9.68	5.69	-5.73	5.44	-5.49	-1.65	1583.76	431.49	1583.32	431.94	22.71
		329	7.77	9.14	-9.90	8.52	-9.29	-3.36	1255.81	382.28	1254.57	383.53	32.97
216	94	302	3.89	1.82	-6.95	-1.47	-3.67	-4.25	668.33	322.97	666.99	324.32	-21.49
		301	6.14	-0.20	-5.52	-2.54	-3.18	-2.64	1049.57	438.72	1041.56	446.73	-69.48
		348	5.70	5.13	-2.93	5.06	-2.87	-0.71	933.51	291.90	933.43	291.98	-7.07
		329	3.78	8.58	-4.26	8.38	-4.07	-1.57	593.43	194.56	590.53	197.46	33.94
217	4	338	5.81	6.02	-3.71	-3.50	5.80	-1.43	670.52	-276.52	-198.55	592.56	260.30
		339	5.57	5.85	-3.32	-3.20	5.74	1.01	765.57	-89.97	216.96	458.64	410.35
		336	4.91	3.84	-3.75	-3.71	3.79	0.56	789.96	186.25	257.72	718.49	195.05
		335	6.02	3.73	-3.77	-3.55	3.50	-1.28	897.73	32.27	65.10	864.90	165.34
217	34	338	4.15	4.09	-2.58	-2.45	3.96	-0.93	493.05	-179.48	-123.71	437.28	185.46
		339	3.99	4.01	-2.30	-2.22	3.92	0.74	557.91	-49.98	169.19	338.73	291.88
		336	3.51	2.63	-2.60	-2.57	2.60	0.41	569.87	147.35	198.48	518.75	137.80
		335	4.29	2.52	-2.62	-2.48	2.38	-0.84	648.10	40.33	62.95	625.48	115.04
217	47	338	3.04	1.74	-1.26	-1.26	1.74	-0.02	429.49	-30.99	3.29	395.21	120.87
		339	2.97	1.93	-1.23	-1.01	1.72	0.80	455.91	42.18	198.72	299.37	200.65
		336	2.58	1.31	-1.31	-1.20	1.19	0.53	438.40	195.45	225.56	408.29	80.05
		335	3.12	1.03	-1.33	-1.33	1.03	-0.03	513.88	136.61	143.01	507.48	48.70
217	54	338	2.83	1.52	-1.22	-1.22	1.52	0.03	411.97	-6.79	23.80	381.38	108.96
		339	2.74	1.73	-1.17	-0.95	1.51	0.77	429.78	60.70	198.35	292.13	178.48
		336	2.40	1.15	-1.23	-1.12	1.05	0.49	410.23	196.69	221.33	385.59	68.23
		335	2.91	0.86	-1.27	-1.27	0.86	-0.01	482.98	140.46	145.45	477.99	41.04
217	62	338	3.93	3.05	-2.85	-1.43	1.63	2.52	661.51	242.71	541.19	363.03	189.51
		339	4.84	3.64	-3.28	-1.20	1.56	3.17	771.08	120.00	694.42	196.66	209.84
		336	3.41	3.09	-3.33	-1.34	1.10	2.97	585.41	248.63	565.14	268.90	80.10
		335	3.39	2.59	-3.06	-1.46	0.98	2.55	573.02	372.14	508.30	436.86	93.88
217	91	338	3.65	1.86	-1.53	-1.13	1.47	-1.09	398.16	-214.66	-205.61	389.11	73.91
		339	3.03	1.52	-0.89	-0.85	1.48	-0.31	398.59	-86.26	-21.60	333.93	164.84
		336	2.84	1.20	-1.20	-1.03	1.03	-0.62	447.12	59.07	69.54	436.65	62.88
		335	3.41	1.35	-1.72	-1.19	0.82	-1.16	496.40	-15.42	-14.78	495.77	18.02
218	18	337	5.88	3.09	-4.25	-4.05	2.89	-1.18	833.82	-49.75	-32.08	816.15	123.69
		334	4.37	2.83	-4.35	-4.32	2.80	0.48	689.07	129.89	132.33	686.63	36.86
		340	3.77	1.38	-4.20	-4.20	1.38	0.08	508.59	-77.06	-15.56	447.09	-179.55
		341	5.72	1.36	-4.17	-3.95	1.13	-1.10	600.18	-358.11	-353.62	595.68	65.49
218	41	337	4.13	2.08	-2.95	-2.82	1.95	-0.79	598.55	-11.93	-0.80	587.42	81.68
		334	3.08	1.94	-2.99	-2.97	1.92	0.33	494.28	113.55	115.04	492.80	23.74
		340	2.61	0.96	-2.88	-2.88	0.96	0.04	364.93	-32.70	14.69	317.54	-128.83
		341	3.90	0.93	-2.88	-2.72	0.77	-0.76	425.51	-224.74	-222.66	423.43	36.71
218	47	337	2.81	0.58	-1.41	-1.40	0.57	-0.10	471.81	153.23	153.59	471.45	-10.67
		334	2.22	0.84	-1.15	-1.12	0.80	0.27	380.19	224.92	227.10	378.02	-18.25
		340	1.94	0.51	-1.02	-1.02	0.51	0.05	325.84	98.84	204.13	220.55	-113.20
		341	2.09	0.29	-1.17	-1.12	0.24	-0.27	327.54	39.44	65.61	301.37	-82.79
218	54	337	2.61	0.46	-1.31	-1.31	0.46	-0.08	441.47	151.52	152.30	440.68	-15.05
		334	2.09	0.73	-1.08	-1.05	0.70	0.24	356.99	217.57	221.48	353.09	-23.01
		340	1.87	0.46	-0.96	-0.96	0.46	0.03	312.89	87.38	198.85	201.43	-112.75
		341	1.95	0.22	-1.11	-1.06	0.17	-0.24	306.21	38.22	66.70	277.73	-82.59

218	64	337	4.41	-1.53	-3.54	-2.63	-2.44	1.00	561.83	-164.75	-159.64	556.72	60.70
		334	3.66	-0.65	-3.04	-2.44	-1.25	1.04	493.72	-94.27	-78.26	477.71	-95.71
		340	3.82	-0.68	-3.14	-2.21	-1.62	1.19	324.45	-335.86	-326.91	315.49	-76.37
		341	4.97	-1.33	-3.75	-2.26	-2.82	1.18	389.78	-468.38	-468.38	389.77	-2.23
218	96	337	3.25	-0.70	-2.05	-1.91	-0.84	0.41	493.95	15.64	16.38	493.21	18.82
		334	2.57	0.01	-1.91	-1.69	-0.21	0.61	419.45	80.85	90.79	409.51	-57.16
		340	2.11	-0.27	-1.77	-1.53	-0.51	0.55	282.71	-58.02	-28.44	253.13	-95.94
		341	2.95	-0.94	-1.84	-1.60	-1.17	0.39	332.62	-169.00	-164.55	328.17	-47.04
219	11	340	3.35	1.51	-2.82	-2.76	1.44	0.54	527.03	63.09	163.03	427.09	-190.73
		321	3.62	1.38	-3.08	-2.65	0.94	1.32	601.13	215.82	538.98	277.97	-141.72
		325	5.17	0.53	-2.94	-2.80	0.38	0.70	685.42	-130.38	639.17	-84.13	-188.66
		343	4.21	0.67	-3.19	-3.19	0.66	0.15	276.29	-439.08	33.07	-195.87	-338.87
219	37	340	2.37	1.04	-1.96	-1.92	1.00	0.34	379.47	59.21	134.84	303.84	-136.02
		321	2.64	0.94	-2.09	-1.81	0.67	0.87	439.26	158.73	398.49	199.51	-98.87
		325	3.75	0.36	-1.99	-1.90	0.27	0.45	499.97	-90.72	469.27	-60.02	-131.11
		343	3.02	0.48	-2.15	-2.15	0.48	0.06	213.05	-302.45	48.62	-138.02	-240.26
219	50	340	1.92	0.41	-0.96	-0.96	0.41	0.01	321.69	94.99	215.27	201.41	-113.14
		321	2.29	0.45	-0.70	-0.67	0.41	0.20	385.71	128.07	365.30	148.47	-69.58
		325	3.01	0.20	-0.54	-0.53	0.19	0.07	418.55	-53.88	406.51	-41.84	-74.45
		343	2.74	0.32	-0.63	-0.58	0.28	-0.21	302.45	-164.53	222.12	-84.20	-176.24
219	54	340	1.86	0.40	-0.94	-0.94	0.40	0.02	312.67	94.49	209.76	197.41	-108.92
		321	2.20	0.44	-0.69	-0.66	0.40	0.20	370.93	125.68	350.46	146.15	-67.84
		325	2.86	0.20	-0.53	-0.52	0.19	0.07	400.64	-47.72	388.71	-35.79	-72.17
		343	2.64	0.31	-0.62	-0.57	0.26	-0.20	294.84	-153.03	217.25	-75.44	-169.50
219	57	340	2.83	2.47	-1.25	-0.42	1.63	-1.55	458.57	82.07	449.13	91.50	-58.85
		321	3.68	1.36	-0.36	0.02	0.98	-0.71	632.62	271.15	618.45	285.31	70.13
		325	5.62	2.67	0.60	2.32	0.96	-0.78	883.56	107.15	864.19	126.53	121.11
		343	4.19	3.60	0.10	2.20	1.50	-1.71	683.58	173.31	664.71	192.17	-96.29
219	89	340	2.07	1.21	-0.95	-0.71	0.97	-0.68	351.68	113.24	313.91	151.01	-87.06
		321	2.72	0.70	-0.40	-0.36	0.66	-0.21	467.75	205.84	467.51	206.07	-7.80
		325	3.89	0.95	0.30	0.73	0.53	-0.31	596.94	33.80	596.65	34.08	12.67
		343	3.10	1.61	-0.14	0.64	0.83	-0.87	457.83	-3.36	412.56	41.91	-137.22
220	4	345	6.69	8.59	-3.56	-3.37	8.39	1.53	564.21	-583.30	215.46	-234.55	527.79
		327	7.30	7.62	-3.40	-1.13	5.36	4.45	1035.31	-106.54	946.31	-17.54	306.10
		316	5.26	4.86	-3.81	-2.75	3.79	2.84	858.63	178.09	730.23	306.48	266.26
		339	5.64	5.73	-3.04	-2.84	5.53	1.32	788.08	-70.48	274.44	443.16	420.91
220	34	345	4.77	5.86	-2.46	-2.30	5.70	1.13	421.00	-399.07	169.01	-147.08	378.35
		327	5.24	5.21	-2.35	-0.76	3.62	3.08	749.12	-64.97	683.77	0.38	221.21
		316	3.80	3.33	-2.63	-1.88	2.58	1.98	622.83	136.37	530.87	228.33	190.47
		339	4.04	3.93	-2.12	-1.97	3.77	0.95	573.52	-36.29	209.75	327.48	299.17
220	47	345	3.57	2.66	-1.26	-0.94	2.33	1.08	392.26	-211.61	202.42	-21.77	280.36
		327	4.02	2.47	-1.30	-0.16	1.34	1.73	598.05	-0.51	546.95	50.58	167.25
		316	2.98	1.68	-1.35	-0.74	1.07	1.22	498.32	144.21	438.59	203.94	132.60
		339	3.01	1.95	-1.19	-0.92	1.67	0.88	465.66	51.09	226.35	290.40	204.80
220	54	345	3.25	2.38	-1.16	-0.79	2.01	1.09	378.09	-164.69	202.87	10.53	253.78
		327	3.67	2.16	-1.18	-0.12	1.11	1.55	556.00	19.43	508.22	67.21	152.83
		316	2.76	1.52	-1.23	-0.65	0.94	1.12	465.65	150.42	412.35	203.72	118.16
		339	2.77	1.73	-1.14	-0.88	1.46	0.83	437.78	68.72	222.74	283.76	181.99
220	61	345	5.66	9.02	-2.15	1.27	5.60	5.15	727.88	-184.65	666.02	-122.79	229.39
		327	6.76	7.69	-2.23	1.85	3.60	4.88	993.42	-29.49	989.83	-25.90	60.45
		316	3.79	6.31	-2.81	0.01	3.49	4.22	612.70	109.30	606.61	115.39	55.04
		339	3.87	7.85	-2.89	-0.13	5.09	4.69	543.64	-17.49	407.96	118.20	240.26
220	93	345	4.12	5.36	-1.53	0.10	3.73	2.93	514.12	-155.12	409.20	-50.19	243.34
		327	4.95	4.69	-1.65	0.73	2.31	3.07	740.56	7.86	722.91	25.52	112.36
		316	3.14	3.71	-1.93	-0.38	2.16	2.52	520.64	140.63	497.56	163.71	90.77
		339	3.14	4.51	-1.87	-0.56	3.20	2.57	470.93	41.37	304.01	208.29	209.38
221	18	308	5.60	4.39	-6.01	-4.09	2.47	-4.03	847.08	31.01	68.19	809.91	170.16
		335	6.00	4.79	-5.12	-4.66	4.32	-2.10	846.39	-54.56	-15.39	807.22	183.74
		337	5.91	3.00	-5.22	-4.69	2.46	-2.03	830.55	-66.70	-47.85	811.70	128.67
		310	6.14	2.36	-5.46	-3.68	0.57	-3.28	899.14	-38.86	16.27	844.00	220.63
221	41	308	4.01	2.91	-4.12	-2.84	1.62	-2.72	617.29	45.79	69.36	593.73	113.63
		335	4.27	3.23	-3.52	-3.22	2.93	-1.39	613.68	-17.78	8.89	587.01	126.99
		337	4.15	2.02	-3.59	-3.24	1.67	-1.35	596.23	-23.63	-11.75	584.35	84.97
		310	4.31	1.52	-3.75	-2.57	0.34	-2.20	645.79	0.63	35.86	610.55	146.60
221	47	308	3.24	0.47	-1.53	-1.30	0.25	-0.63	551.56	201.86	201.86	551.56	0.43
		335	3.11	1.04	-1.34	-1.33	1.04	-0.05	512.12	132.07	137.28	506.92	44.18
		337	2.81	0.58	-1.37	-1.36	0.58	-0.12	470.63	148.75	149.22	470.17	-12.20
		310	3.02	0.02	-1.53	-1.35	-0.17	-0.50	519.53	207.56	207.58	519.50	2.58
221	54	308	3.05	0.31	-1.43	-1.24	0.11	-0.54	521.10	196.95	196.96	521.09	-1.78
		335	2.90	0.87	-1.27	-1.27	0.87	-0.03	481.71	136.56	140.63	477.64	37.28
		337	2.61	0.47	-1.28	-1.27	0.47	-0.10	440.23	147.18	148.06	439.34	-16.08
		310	2.82	-0.09	-1.42	-1.26	-0.24	-0.42	485.92	201.68	201.69	485.91	-1.63
221	59	308	4.79	3.45	-2.60	-1.18	2.03	-2.57	504.00	-297.51	-295.97	502.46	-35.18
		335	5.35	1.86	-2.43	-1.19	0.62	-1.95	578.08	-327.99	-327.94	578.03	6.69
		337	4.41	1.67	-2.55	-1.11	0.23	-2.00	538.87	-190.24	-188.80	537.43	-32.35
		310	3.82	3.06	-2.52	-1.15	1.69	-2.40	465.70	-154.37	-153.48	464.82	-23.37
221	91	308	3.56	1.72	-1.97	-1.21	0.97	-1.49	513.66	-21.13	-20.61	513.14	-16.70

		335	3.78	1.13	-1.59	-1.23	0.77	-0.92	523.39	-67.12	-66.17	522.44	23.67
		337	3.27	0.84	-1.66	-1.20	0.37	-0.97	484.11	-1.14	-5.37e-04	482.97	-23.51
		310	3.08	1.32	-1.91	-1.21	0.62	-1.33	477.25	45.25	45.56	476.95	-11.43
222	4	348	4.79	21.07	3.08	20.67	3.48	2.65	716.73	236.61	694.29	259.05	-101.34
		332	7.18	13.68	-0.87	13.67	-0.86	-0.42	1159.04	435.22	1137.32	456.94	-123.48
		322	7.37	12.27	-0.30	10.57	1.40	4.29	1148.75	217.53	1148.33	217.94	-19.68
		351	4.32	18.54	2.14	13.41	7.27	7.60	618.61	34.76	614.28	39.08	-50.04
222	34	348	3.44	14.27	1.96	13.98	2.25	1.87	519.66	180.98	508.29	192.36	-61.01
		332	5.17	9.26	-0.65	9.26	-0.65	-0.22	838.16	323.54	826.15	335.55	-77.71
		322	5.31	8.32	-0.27	7.14	0.90	2.95	831.84	165.80	831.83	165.81	-2.76
		351	3.13	12.56	1.32	9.05	4.83	5.21	452.50	35.90	451.22	37.18	-23.04
222	47	348	2.78	5.93	-0.35	5.69	-0.11	1.20	448.88	185.80	448.88	185.80	1.02
		332	4.10	3.77	-0.87	3.76	-0.86	0.27	687.26	297.03	686.45	297.84	-17.77
		322	4.20	3.56	-0.75	2.91	-0.10	1.54	680.82	169.67	677.53	172.96	40.91
		351	2.65	5.29	-0.51	3.69	1.09	2.59	407.85	72.52	404.49	75.88	33.40
222	54	348	2.58	4.97	-0.42	4.75	-0.19	1.08	419.74	174.34	419.14	174.94	12.13
		332	3.79	3.17	-0.80	3.15	-0.78	0.28	637.34	279.72	637.28	279.78	-4.78
		322	3.89	3.01	-0.70	2.44	-0.13	1.33	633.73	163.47	628.37	168.83	49.91
		351	2.49	4.44	-0.54	3.07	0.83	2.22	386.59	72.76	380.38	78.97	43.71
222	62	348	6.12	7.55	-11.36	6.68	-10.49	-3.97	1038.57	457.67	977.92	518.32	177.64
		332	7.01	4.13	-4.08	4.00	-3.95	-1.00	1188.42	497.91	1168.49	517.84	115.62
		322	6.55	3.95	-2.48	3.76	-2.29	1.08	1090.63	362.72	1061.85	391.51	141.86
		351	5.32	4.02	-7.71	3.99	-7.68	0.55	888.74	337.61	828.82	397.53	171.56
222	94	348	4.13	5.67	-4.92	5.54	-4.79	-1.16	687.80	306.86	667.26	327.40	86.04
		332	5.19	3.51	-2.21	3.50	-2.19	-0.28	878.04	380.57	873.13	385.48	49.18
		322	5.06	3.35	-1.43	3.01	-1.09	1.23	835.71	252.95	820.95	267.71	91.56
		351	3.72	3.80	-3.30	3.48	-2.98	1.49	606.19	193.91	579.66	220.44	101.17
223	18	341	4.96	1.80	-2.42	-2.27	1.66	-0.78	632.79	-162.19	-162.04	632.64	-10.82
		340	3.71	1.40	-5.06	-4.99	1.33	0.69	459.93	-131.64	-102.86	431.14	-127.29
		343	6.04	0.90	-3.77	-3.75	0.87	0.33	369.90	-662.43	-177.60	-114.93	-515.22
		342	8.79	0.22	-6.09	-6.09	0.22	0.01	21.77	-1277.30	-1270.21	14.68	95.72
223	41	341	3.45	1.21	-1.76	-1.67	1.12	-0.52	450.49	-96.63	-96.29	450.14	-13.67
		340	2.54	0.97	-3.42	-3.38	0.93	0.42	330.38	-67.00	-43.05	306.43	-94.56
		343	4.20	0.62	-2.57	-2.55	0.61	0.21	269.61	-449.06	-95.40	-84.05	-359.29
		342	5.85	0.16	-4.03	-4.03	0.16	-0.08	4.00	-854.90	-852.04	1.13	49.50
223	52	341	2.21	0.36	-1.44	-1.41	0.33	-0.20	329.83	8.45	21.05	317.22	-62.38
		340	1.81	0.55	-1.30	-1.30	0.55	5.75e-03	297.31	64.36	152.43	209.24	-112.96
		343	2.73	0.30	-1.06	-1.06	0.30	0.04	252.64	-215.81	115.56	-78.73	-213.13
		342	2.18	0.14	-1.20	-1.00	-0.06	-0.48	-4.39	-322.68	-262.78	-64.29	-124.41
223	54	341	2.09	0.18	-1.46	-1.45	0.17	-0.13	321.81	25.53	46.37	300.97	-75.76
		340	1.94	0.50	-0.80	-0.79	0.50	-0.11	322.55	80.84	206.67	196.72	-120.75
		343	2.60	0.22	-0.72	-0.72	0.22	3.20e-03	269.97	-174.47	173.63	-78.13	-183.13
		342	2.18	0.51	-0.77	-0.17	-0.09	-0.64	68.04	-282.01	-129.55	-84.43	-173.57
223	65	341	3.93	4.72	-1.47	-0.24	3.50	-2.47	656.25	424.95	582.81	498.39	-107.67
		340	5.00	2.92	-0.24	0.47	2.21	-1.32	851.11	510.68	763.82	597.97	-148.65
		343	5.23	4.03	0.89	2.80	2.12	-1.53	857.64	236.78	752.27	342.16	-233.06
		342	3.80	6.69	0.16	3.46	3.39	-3.27	546.86	11.58	427.77	130.66	-222.63
223	97	341	2.60	2.10	-1.35	-0.90	1.65	-1.16	440.68	228.07	278.32	390.43	-90.33
		340	3.20	1.52	-0.46	-0.22	1.28	-0.65	549.00	272.26	446.84	374.42	-133.55
		343	3.52	1.64	0.27	0.82	1.09	-0.67	524.55	5.96	422.81	107.70	-205.94
		342	2.48	3.22	-0.36	1.41	1.45	-1.79	263.98	-140.41	111.12	12.46	-196.08
224	18	320	5.71	1.05	-2.86	-2.72	0.91	-0.74	765.54	-151.44	-27.21	641.31	313.82
		341	6.65	1.85	-6.08	-5.67	1.44	-1.75	638.03	-476.75	-476.04	637.32	28.13
		342	4.68	1.22	-1.41	-1.15	0.96	0.79	81.21	-646.54	-570.72	5.39	222.33
		324	3.88	0.82	-3.53	-2.64	-0.07	-1.75	210.08	-447.77	-364.56	126.87	218.67
224	41	320	3.90	0.65	-2.09	-1.99	0.55	-0.52	537.48	-80.59	0.26	456.63	208.42
		341	4.52	1.26	-4.08	-3.81	0.99	-1.18	453.70	-302.11	-301.82	453.41	14.72
		342	3.12	0.73	-1.09	-0.97	0.61	0.45	38.73	-440.60	-398.86	-3.01	135.14
		324	2.63	0.59	-2.44	-1.82	-0.02	-1.22	146.65	-298.44	-234.48	82.69	156.13
224	47	320	2.00	-0.29	-1.96	-1.73	-0.52	-0.58	339.47	116.41	116.43	339.46	-1.86
		341	2.03	0.31	-0.64	-0.60	0.27	-0.18	336.90	88.64	97.94	327.59	-47.15
		342	2.80	-0.05	-2.19	-1.88	-0.37	-0.76	27.05	-395.30	-313.21	-55.03	-167.12
		324	1.45	0.23	-1.19	-0.78	-0.18	-0.64	129.15	-115.91	-2.10	15.34	122.22
224	54	320	1.83	-0.33	-1.76	-1.57	-0.52	-0.48	312.16	117.28	117.38	312.05	-4.51
		341	1.89	0.23	-0.68	-0.64	0.20	-0.17	313.65	85.18	96.24	302.59	-49.04
		342	2.63	-0.07	-1.91	-1.64	-0.33	-0.65	19.94	-374.43	-293.69	-60.80	-159.13
		324	1.35	0.11	-1.12	-0.77	-0.24	-0.55	114.76	-113.43	1.10	0.23	114.10
224	76	320	3.96	0.25	-5.16	-0.43	-4.48	1.79	-88.66	-614.06	-364.87	-337.84	262.35
		341	3.40	1.52	-4.39	0.40	-3.27	2.32	213.29	-345.26	-324.45	192.48	-105.79
		342	6.86	0.88	-4.54	0.08	-3.74	1.92	-235.14	-1122.68	-1114.86	-242.95	82.92
		324	8.19	1.58	-4.62	1.05	-4.09	1.72	-253.82	-1321.78	-890.21	-685.39	524.07
224	88	320	1.81	-1.37	-2.06	-1.73	-1.71	0.35	177.89	-132.37	-103.01	148.53	90.82
		341	2.66	-0.03	-1.64	-0.81	-0.86	0.81	326.08	-115.63	-112.76	323.21	-35.46
		342	4.22	-0.94	-1.65	-1.17	-1.42	0.33	-92.10	-671.63	-655.20	-108.54	-96.20
		324	3.51	0.30	-0.38	-0.26	0.19	0.26	-12.08	-530.04	-373.37	-168.76	237.92
225	4	131	7.56	33.41	9.06	13.00	29.47	8.96	-214.31	-1213.69	-1191.05	-236.95	148.72
		333	2.01	25.69	3.96	12.85	16.79	10.68	-60.10	-265.02	-265.01	-60.11	-0.79

		349	4.13	22.47	1.08	3.72	19.83	7.04	-369.48	-616.82	-502.83	-483.47	-123.29
		133	9.74	21.28	-4.06	-2.83	20.04	5.46	-545.48	-1611.61	-1601.46	-555.62	103.51
225	34	131	5.44	22.43	5.93	8.85	19.51	6.30	-149.80	-872.30	-855.07	-167.03	110.23
		333	1.33	17.35	2.47	8.68	11.14	7.34	-37.17	-179.37	-178.71	-37.83	9.68
		349	2.77	15.23	0.67	2.54	13.36	4.87	-261.34	-410.67	-340.38	-331.63	-74.54
		133	6.86	14.36	-2.87	-1.85	13.34	4.06	-379.50	-1135.46	-1127.43	-387.53	77.50
225	47	131	4.03	9.07	-0.06	4.57	4.44	4.56	-77.58	-635.11	-616.82	-95.86	99.29
		333	0.87	7.26	-0.99	3.71	2.55	4.08	30.06	-86.78	-62.23	5.50	47.61
		349	1.25	6.67	-0.38	1.29	5.00	3.00	-150.40	-180.01	-150.44	-179.97	-1.03
		133	4.49	6.96	-3.63	-0.28	3.61	4.93	-229.11	-742.76	-732.88	-238.99	70.55
225	54	131	3.71	7.54	-0.47	3.83	3.24	3.99	-71.48	-584.93	-568.48	-87.94	90.43
		333	0.86	6.03	-1.02	3.09	1.93	3.48	41.01	-78.09	-46.26	9.18	52.70
		349	0.99	5.60	-0.38	1.13	4.08	2.60	-109.87	-151.23	-114.58	-146.52	13.14
		133	3.96	5.94	-3.26	-0.06	2.74	4.38	-196.67	-655.59	-646.19	-206.06	64.99
225	60	131	18.74	10.37	-18.75	-17.69	9.31	-5.45	-442.94	-2898.47	-2898.45	-442.96	-7.55
		333	15.47	9.67	-18.71	-18.08	9.04	-4.17	-475.64	-2413.65	-2413.03	-476.27	-34.81
		349	11.26	12.15	-15.70	-15.48	11.92	-2.50	-612.78	-1817.04	-1804.07	-625.75	-124.30
		133	18.85	9.54	-17.36	-17.26	9.44	-1.63	-558.28	-2960.91	-2958.02	-561.17	-83.30
225	92	131	10.28	5.73	-5.93	-5.92	5.72	-0.28	-241.90	-1608.32	-1606.67	-243.54	47.40
		333	7.04	4.92	-6.46	-6.46	4.92	0.04	-203.37	-1101.03	-1100.80	-203.61	14.52
		349	5.21	7.41	-6.29	-6.28	7.40	0.37	-352.22	-859.16	-854.81	-356.57	-46.75
		133	10.50	5.73	-8.00	-7.78	5.50	1.74	-361.72	-1675.63	-1675.63	-361.72	-0.10
226	4	104	24.84	16.24	-23.12	-14.67	7.80	-16.16	-3135.03	-4104.67	-3159.52	-4080.18	-152.14
		350	8.80	23.23	-3.11	-0.38	20.50	8.03	1018.63	-442.02	700.81	-124.20	602.67
		345	8.46	7.71	-7.44	-6.97	7.23	-2.64	187.39	-1121.14	-201.31	-732.44	597.94
		344	10.64	7.73	4.63	4.79	7.57	-0.68	834.75	-1001.76	-715.40	548.39	666.26
226	34	104	17.21	11.11	-15.61	-10.10	5.60	-10.81	-2183.61	-2842.86	-2194.78	-2831.69	-85.08
		350	6.27	15.81	-2.15	-0.18	13.84	5.61	731.53	-304.60	502.15	-75.21	430.18
		345	5.98	5.25	-5.06	-4.78	4.97	-1.69	161.58	-775.51	-121.16	-492.77	430.13
		344	7.55	5.28	3.10	3.19	5.20	-0.43	605.17	-698.34	-498.78	405.61	469.36
226	47	104	10.62	5.69	-7.14	-5.74	4.28	-4.01	-1328.60	-1753.47	-1335.32	-1746.76	52.99
		350	4.57	7.60	-1.54	0.50	5.56	3.81	564.25	-168.32	394.05	1.88	309.38
		345	4.22	2.36	-2.32	-2.32	2.36	-0.06	249.09	-462.25	24.84	-237.99	330.50
		344	5.39	2.65	1.44	1.53	2.56	0.32	487.87	-438.68	-318.53	367.72	311.27
226	54	104	9.03	5.00	-5.24	-4.49	4.24	-2.67	-1117.92	-1491.49	-1132.92	-1476.49	73.34
		350	4.09	6.25	-1.33	0.54	4.37	3.27	515.01	-135.88	358.93	20.21	277.90
		345	3.76	2.18	-1.90	-1.89	2.16	0.25	260.06	-381.46	51.41	-172.81	300.53
		344	4.84	2.34	0.78	0.82	2.30	0.25	455.13	-374.25	-272.08	352.96	272.58
226	62	104	12.54	12.11	-4.86	-0.01	7.26	7.67	1337.62	-774.13	1006.56	-443.07	767.80
		350	15.13	16.42	-7.75	1.91	6.75	11.84	2455.04	527.76	2383.17	599.63	365.16
		345	6.39	8.21	-5.54	-1.54	4.21	6.24	964.09	64.37	817.41	211.04	332.34
		344	11.24	12.20	-3.95	2.71	5.54	7.95	1659.52	88.54	550.92	1197.14	715.96
226	94	104	7.77	6.00	-2.94	-2.50	5.56	1.93	-33.22	-1164.21	-181.84	-1015.58	382.11
		350	8.64	10.65	-4.14	1.13	5.38	7.09	1352.61	184.43	1259.04	278.00	317.11
		345	4.55	4.41	-3.11	-1.72	3.02	2.92	565.81	-175.51	391.34	-1.03	314.49
		344	7.31	6.52	-1.12	1.68	3.71	3.68	977.15	-152.58	93.51	731.06	466.32
227	4	348	4.83	20.17	2.89	12.09	10.97	8.62	722.47	231.06	626.02	327.51	195.17
		301	7.02	18.33	-2.90	16.55	-1.13	5.87	1110.61	461.01	1049.79	521.83	189.24
		332	7.16	13.54	-0.72	8.22	4.60	6.90	1154.21	419.75	993.63	580.33	303.57
227	34	348	3.47	13.66	1.83	8.06	7.44	5.90	524.10	176.36	446.44	254.02	144.82
		301	5.03	12.40	-2.02	11.14	-0.75	4.07	801.49	344.60	753.16	392.93	140.52
		332	5.15	9.17	-0.55	5.48	3.14	4.72	834.64	311.95	711.53	435.06	221.79
227	47	348	2.81	5.70	-0.32	2.50	2.87	3.00	453.50	179.80	346.68	286.62	133.51
		301	3.94	5.02	-1.45	4.04	-0.47	2.32	656.83	326.00	592.79	390.05	130.71
		332	4.08	3.78	-0.81	1.68	1.28	2.28	684.29	286.58	553.32	417.56	186.91
227	54	348	2.61	4.79	-0.38	1.97	2.43	2.57	424.11	168.49	313.32	279.27	126.67
		301	3.62	4.22	-1.28	3.31	-0.37	2.04	605.94	307.23	540.56	372.62	123.52
		332	3.77	3.19	-0.75	1.34	1.10	1.96	634.42	269.79	503.59	400.63	174.89
227	62	348	5.90	5.30	-2.92	1.66	0.72	4.09	977.03	342.22	602.72	716.53	312.26
		301	6.66	4.83	-3.91	3.00	-2.08	3.56	1129.18	510.64	829.95	809.88	309.11
		332	6.98	3.78	-3.36	1.02	-0.61	3.48	1176.62	454.25	792.98	837.89	360.49
227	94	348	4.06	4.97	-1.51	1.80	1.66	3.24	667.45	247.68	441.19	473.94	209.24
		301	4.92	4.45	-2.45	3.14	-1.14	2.71	830.06	405.65	668.42	567.29	206.09
		332	5.17	3.41	-1.92	1.16	0.33	2.63	871.48	355.28	631.45	595.30	257.47
228	4	349	5.04	19.92	0.62	16.45	4.09	7.41	-278.14	-757.26	-629.18	-406.21	-212.04
		347	5.16	15.84	0.47	15.01	1.29	3.46	527.95	-333.73	139.88	54.33	-428.71
		350	5.79	15.69	-3.70	9.19	2.80	9.16	156.62	-720.82	-24.96	-539.23	-355.47
228	34	349	3.41	13.49	0.34	11.23	2.60	4.97	-190.61	-514.52	-418.11	-287.02	-148.10
		347	3.65	10.72	0.24	10.18	0.77	2.30	388.86	-222.46	126.75	39.64	-302.54
		350	4.08	10.71	-2.53	6.39	1.79	6.20	131.82	-497.41	9.67	-375.26	-248.88
228	47	349	1.80	5.91	-0.85	5.49	-0.42	1.64	-69.44	-278.23	-164.00	-183.67	-103.93
		347	2.85	4.48	-0.70	4.44	-0.65	0.49	361.34	-99.53	215.20	46.61	-214.47
		350	2.90	5.24	-1.45	3.94	-0.15	2.65	199.36	-293.15	130.13	-223.91	-171.19
228	54	349	1.49	4.97	-0.77	4.67	-0.47	1.27	-44.23	-229.79	-113.33	-160.69	-89.70
		347	2.64	3.78	-0.65	3.75	-0.62	0.35	345.84	-74.43	226.10	45.32	-189.70
		350	2.61	4.48	-1.20	3.52	-0.24	2.13	206.59	-242.97	150.85	-187.23	-148.16
228	62	349	8.13	10.46	-9.07	8.24	-6.85	-6.20	1283.85	324.24	1121.09	487.00	-360.13

		347	10.38	10.26	-9.94	7.32	-7.00	-7.12	1675.92	477.61	1460.51	693.01	-460.13
		350	9.86	8.92	-8.46	7.09	-6.62	-5.34	1546.59	299.14	1385.27	460.46	-418.59
228	94	349	3.80	6.57	-3.80	6.14	-3.36	-2.08	542.11	20.73	435.72	127.12	-210.12
		347	5.98	6.15	-4.45	5.21	-3.52	-3.01	934.95	173.32	775.15	333.13	-310.12
		350	5.57	5.17	-3.32	4.98	-3.14	-1.23	802.65	-2.17	699.90	100.58	-268.58
229	18	354	6.01	35.87	-15.43	-1.28	21.72	-22.93	348.31	70.79	72.49	346.61	21.63
		360	5.45	44.08	-43.21	10.90	-10.04	-42.37	39.24	-89.38	-50.41	0.26	59.11
		123	7.05	1.68	-60.91	-1.18	-58.06	-13.06	-33.00	-397.57	-154.03	-276.55	171.68
		112	20.23	116.69	44.65	54.87	106.47	-25.13	-31.23	-1065.85	-38.00	-1059.08	83.43
229	41	354	4.02	24.47	-10.53	-0.97	14.91	-15.60	231.81	47.33	48.61	230.52	15.35
		360	3.66	28.71	-29.82	6.71	-7.82	-28.35	23.69	-62.66	-34.75	-4.22	40.39
		123	4.73	1.23	-41.43	-0.72	-39.48	-8.91	-19.96	-266.31	-103.66	-182.61	116.68
		112	13.51	78.27	30.51	37.10	71.68	-16.48	-17.65	-709.61	-22.20	-705.06	55.95
229	52	354	1.33	10.93	-5.01	-1.26	7.18	-6.77	69.74	14.10	16.09	67.75	10.33
		360	1.37	5.40	-15.93	-1.30	-9.22	-9.90	-3.47	-42.82	-17.80	-28.49	18.93
		123	1.85	1.25	-17.66	0.13	-16.55	-4.46	11.85	-90.13	-37.68	-40.60	50.97
		112	4.32	27.64	13.65	14.70	26.59	-3.70	15.61	-211.56	13.83	-209.78	20.05
229	54	354	0.74	8.04	-3.99	-1.51	5.55	-4.87	34.59	5.10	8.61	31.08	9.55
		360	0.92	0.38	-13.50	-3.33	-9.78	-6.15	-6.42	-42.29	-14.13	-34.58	14.74
		123	1.49	1.44	-12.48	0.35	-11.38	-3.75	23.22	-53.70	-23.28	-7.20	37.61
		112	2.26	17.01	9.81	9.93	16.89	-0.90	25.21	-97.83	23.98	-96.60	12.25
229	83	354	7.38	52.76	-7.36	15.95	29.45	-29.29	-70.25	-388.02	-74.91	-383.37	38.16
		360	6.53	39.73	-22.35	3.26	14.12	-30.56	-39.94	-315.15	-61.97	-293.11	74.69
		123	8.03	39.07	-17.37	9.19	12.51	-28.17	85.04	-339.47	5.27	-259.70	165.83
		112	10.17	61.13	9.27	29.61	40.79	-25.32	12.92	-523.35	-10.02	-500.41	108.52
229	115	354	3.57	28.97	-5.42	6.77	16.78	-16.45	-26.48	-165.38	-30.39	-161.46	22.99
		360	3.41	18.36	-17.11	-0.20	1.45	-17.72	-21.71	-166.37	-35.95	-152.13	43.10
		123	4.23	17.67	-13.33	4.50	-0.15	-15.33	47.66	-179.27	-9.66	-121.94	98.60
		112	5.90	36.91	10.41	19.21	28.12	-12.48	19.60	-295.19	8.50	-284.08	58.07
230	18	360	4.39	32.41	-47.88	0.88	-16.35	-39.21	34.54	-35.28	-3.62	2.88	34.76
		361	3.85	24.07	-34.17	3.62	-13.72	-27.80	-21.62	-185.46	-23.95	-183.13	19.40
		125	8.69	9.17	-57.75	-29.31	-19.27	-33.08	404.51	-41.13	14.25	349.13	147.01
		123	7.02	15.46	-14.85	1.84	-1.23	-15.08	73.43	-360.60	-17.28	-269.89	176.47
230	41	360	3.04	21.78	-33.82	-0.09	-11.95	-27.16	20.50	-28.40	-3.97	-3.93	24.45
		361	2.74	15.80	-23.91	2.07	-10.18	-18.89	-16.42	-132.67	-17.70	-131.39	12.11
		125	6.08	6.62	-40.53	-20.15	-13.77	-23.36	283.23	-26.11	11.04	246.08	100.56
		123	4.69	10.08	-10.01	1.24	-1.17	-9.97	51.47	-239.91	-10.94	-177.50	119.53
230	52	360	1.73	8.32	-22.66	-4.29	-10.05	-15.22	-3.73	-44.82	-11.12	-37.43	15.79
		361	1.98	4.06	-14.93	-1.35	-9.52	-8.57	-16.32	-99.11	-16.33	-99.10	-0.71
		125	3.71	5.47	-25.82	-10.28	-10.08	-15.64	177.19	-0.01	13.61	163.57	47.21
		123	1.61	2.55	-4.40	0.48	-2.33	-3.18	36.11	-69.36	1.30	-34.55	49.59
230	54	360	1.54	5.66	-21.11	-5.56	-9.89	-13.21	-7.75	-51.68	-13.25	-46.19	14.54
		361	1.89	1.85	-13.68	-2.11	-9.73	-6.77	-16.39	-95.29	-16.55	-95.13	-3.53
		125	3.34	5.62	-23.77	-8.52	-9.63	-14.68	160.53	5.67	14.82	151.38	36.50
		123	1.09	1.39	-3.49	0.36	-2.47	-1.99	37.23	-33.14	4.53	-0.45	35.10
230	83	360	6.23	28.30	-42.57	0.56	-14.83	-34.59	-43.62	-334.02	-70.85	-306.79	84.64
		361	4.47	26.55	-33.88	7.32	-14.66	-28.14	40.67	-101.69	-54.72	-6.29	66.93
		125	8.29	21.04	-51.09	-15.50	-14.56	-36.06	325.66	-62.25	25.04	238.38	161.99
		123	7.03	16.40	-30.34	-6.54	-7.40	-23.37	44.27	-342.05	-39.66	-258.12	159.31
230	115	360	3.67	16.48	-31.34	-2.61	-12.25	-23.42	-23.29	-180.82	-39.44	-164.67	47.78
		361	2.31	13.60	-23.30	2.37	-12.08	-16.97	-12.69	-74.99	-34.28	-53.40	29.65
		125	5.59	12.96	-36.82	-11.88	-11.98	-24.89	234.59	-22.70	19.63	192.27	95.39
		123	3.79	8.34	-16.13	-2.97	-4.82	-12.20	39.95	-173.25	-15.69	-117.61	93.63
231	18	361	5.44	36.42	-65.54	-0.28	-28.85	-48.94	2.84	-187.60	-6.56	-178.20	41.25
		353	4.70	29.02	-7.10	27.45	-5.53	7.37	-28.85	-253.39	-29.45	-252.79	11.58
		111	12.94	-28.93	-94.35	-47.55	-75.74	-29.52	654.53	-14.30	-14.26	654.49	5.00
		125	7.78	13.49	-44.03	-25.20	-5.34	-27.00	442.30	73.17	126.79	388.68	130.08
231	41	361	3.76	24.88	-46.17	-0.51	-20.78	-34.05	0.60	-133.16	-5.32	-127.24	27.51
		353	3.26	20.20	-4.61	19.00	-3.41	5.32	-19.57	-176.66	-19.94	-176.29	7.61
		111	8.99	-19.32	-65.05	-32.29	-52.07	-20.62	456.98	-6.90	-6.89	456.97	2.38
		125	5.44	9.07	-30.84	-17.27	-4.50	-18.91	309.63	52.84	88.13	274.34	88.41
231	52	361	2.57	12.11	-30.41	-2.33	-15.97	-20.14	-6.55	-93.78	-7.59	-92.74	9.48
		353	1.82	11.56	-1.04	10.23	0.29	3.88	-9.01	-104.94	-9.04	-104.90	1.77
		111	5.17	-6.92	-35.17	-14.54	-27.56	-12.54	273.33	13.65	13.73	273.25	-4.44
		125	3.36	4.53	-19.33	-8.32	-6.48	-11.89	193.29	40.69	50.92	183.06	38.17
231	54	361	2.42	9.88	-28.16	-2.83	-15.45	-17.94	-8.10	-88.72	-8.53	-88.28	5.91
		353	1.56	10.20	-0.40	8.71	1.09	3.68	-6.70	-92.38	-6.70	-92.38	0.50
		111	4.49	-4.41	-29.90	-11.02	-23.29	-11.17	240.73	18.67	18.84	240.56	-6.16
		125	3.06	4.17	-17.98	-6.58	-7.23	-11.07	175.41	38.55	44.43	169.53	27.75
231	85	361	4.68	22.82	-49.86	4.13	-31.17	-31.77	100.05	-1.32	20.85	77.88	41.90
		353	1.89	16.98	-17.89	13.72	-14.63	-10.14	37.16	8.00	15.63	29.53	12.82
		111	7.17	-9.67	-60.31	-30.97	-39.02	-25.00	353.70	-11.89	-10.91	352.72	18.91
		125	4.60	1.23	-48.59	-24.42	-22.95	-24.90	129.70	-39.16	5.93	84.61	74.70
231	117	361	2.89	15.97	-38.45	0.51	-22.99	-24.54	21.75	-27.29	5.18	-10.72	23.20
		353	1.26	11.58	-6.93	11.11	-6.45	-2.92	5.10	-34.76	4.04	-33.70	6.42
		111	5.74	-7.24	-44.23	-20.63	-30.84	-17.78	294.60	4.61	4.72	294.49	5.54
		125	3.67	2.70	-32.65	-15.18	-14.77	-17.67	150.04	6.15	26.35	129.84	49.99

232	18	111	5.08	-27.98	-69.18	-39.02	-58.14	-18.25	278.43	20.48	144.81	154.10	-128.89
		127	8.40	25.04	-0.77	5.06	19.21	-10.79	490.37	7.98	22.16	476.20	-81.47
		362	4.29	18.99	-49.53	-15.06	-15.49	-34.26	126.97	12.41	37.80	101.58	-47.59
		353	2.47	12.77	-18.13	-1.09	-4.27	-15.37	117.14	21.85	24.53	114.47	15.75
232	41	111	3.56	-19.07	-47.28	-26.68	-39.66	-12.52	196.55	16.02	99.38	113.19	-90.00
		127	5.83	16.69	-0.20	3.62	12.87	-7.07	344.38	8.48	17.72	335.14	-54.95
		362	2.93	12.45	-34.34	-10.54	-11.35	-23.39	91.78	11.91	28.22	75.46	-32.20
		353	1.71	8.77	-12.37	-0.96	-2.63	-10.54	81.09	14.70	16.83	78.96	11.72
232	52	111	2.14	-9.06	-23.66	-13.02	-19.70	-6.49	122.52	10.17	46.83	85.87	-52.68
		127	3.15	6.10	1.33	2.57	4.87	-2.09	203.04	17.79	20.43	200.41	-21.94
		362	1.53	3.55	-20.02	-6.46	-10.01	-11.65	77.07	23.41	27.16	73.32	-13.68
		353	0.94	4.56	-5.94	-1.57	0.19	-5.17	48.26	6.08	9.00	45.35	10.70
232	54	111	1.95	-7.24	-19.35	-10.38	-16.20	-5.31	112.80	8.59	36.87	84.53	-46.34
		127	2.69	4.22	1.45	2.38	3.29	-1.31	179.81	20.76	22.20	178.37	-15.06
		362	1.53	1.90	-17.69	-5.71	-10.07	-9.55	77.61	26.16	28.25	75.52	-10.15
		353	0.80	3.88	-4.78	-1.70	0.79	-4.15	42.64	3.99	7.38	39.25	10.94
232	81	111	3.98	-8.97	-40.55	-24.79	-24.72	-15.79	229.07	25.85	84.11	170.81	-91.90
		127	5.47	5.83	-17.80	-6.74	-5.23	-11.79	360.10	56.94	88.53	328.51	-92.63
		362	4.02	6.03	-34.89	-10.27	-18.59	-20.03	237.88	26.31	45.65	218.54	-60.97
		353	1.53	5.61	-23.77	-10.43	-7.73	-14.63	13.80	-3.43	1.87	8.50	-7.95
232	113	111	2.80	-8.29	-29.21	-17.27	-20.24	-10.35	167.52	16.46	59.38	124.60	-68.13
		127	3.91	5.02	-7.74	-1.97	-0.75	-6.35	262.96	40.92	53.82	250.06	-51.95
		362	2.56	3.95	-25.90	-7.84	-14.11	-14.59	153.70	26.48	36.50	143.68	-34.27
		353	0.96	4.73	-13.85	-5.88	-3.25	-9.19	24.34	4.57	4.75	24.16	1.88
233	17	127	6.37	11.19	-25.00	-3.77	-10.05	-17.82	443.35	82.95	96.80	429.50	-69.29
		129	5.78	14.04	-2.97	13.89	-2.81	-1.63	381.97	53.80	58.00	377.78	-36.86
		363	3.01	12.25	-29.47	-2.24	-14.98	-19.86	75.45	-24.48	16.56	34.41	-49.16
		362	2.41	6.44	-23.40	-8.26	-8.69	-14.92	115.44	8.73	18.05	106.13	-30.12
233	40	127	4.43	7.53	-17.25	-2.56	-7.16	-12.18	310.70	58.66	67.58	301.78	-46.55
		129	3.95	9.31	-2.59	9.31	-2.59	-0.14	258.40	37.19	39.61	255.98	-23.03
		363	2.04	7.81	-20.30	-1.54	-10.96	-13.24	59.63	-12.01	13.55	34.07	-34.31
		362	1.63	3.30	-15.89	-5.90	-6.69	-9.59	85.43	8.54	14.21	79.75	-20.11
233	47	127	2.64	2.83	-9.40	-1.53	-5.04	-5.86	178.02	36.17	37.59	176.61	-14.10
		129	1.47	6.35	-9.38	2.80	-5.83	6.57	77.53	13.22	13.82	76.93	6.19
		363	1.79	0.50	-11.53	-0.92	-10.10	-3.89	101.27	18.30	23.64	95.92	-20.38
		362	1.58	-4.19	-8.55	-4.22	-8.52	-0.35	90.26	20.43	20.84	89.86	-5.32
233	54	127	2.37	2.31	-8.34	-1.17	-4.86	-5.00	158.10	31.99	33.14	156.95	-12.00
		129	1.29	5.97	-9.56	2.32	-5.90	6.59	65.26	10.89	11.74	64.41	6.72
		363	1.73	0.27	-10.58	-0.76	-9.55	-3.18	97.84	18.11	22.57	93.38	-18.32
		362	1.51	-3.95	-8.16	-3.99	-8.13	0.37	86.11	19.69	19.94	85.86	-4.07
233	83	127	5.27	26.30	-23.13	5.31	-2.14	-24.43	277.42	19.52	44.59	252.34	-76.41
		129	3.00	15.91	-11.83	7.26	-3.18	-12.85	153.44	-5.19	16.93	131.32	-54.96
		363	4.54	17.46	-27.89	-3.60	-6.83	-22.62	203.66	-3.24	38.14	162.28	-82.76
		362	4.24	13.58	-24.55	-5.56	-5.41	-19.06	214.24	10.75	41.69	183.30	-73.07
233	115	127	3.48	13.64	-15.27	1.95	-3.57	-14.19	213.06	28.42	38.62	202.85	-42.19
		129	1.73	5.37	-5.29	4.70	-4.61	-2.60	102.18	8.75	14.23	96.70	-21.96
		363	2.70	7.56	-17.94	-2.12	-8.26	-12.37	146.88	9.78	30.03	126.63	-48.65
		362	2.32	3.10	-14.66	-4.73	-6.84	-8.82	144.58	18.52	30.35	132.75	-36.76
234	21	129	6.23	9.50	-28.76	9.48	-28.74	-0.86	360.21	124.24	127.79	356.65	-28.74
		102	5.79	57.40	33.33	46.48	44.25	-11.99	266.68	-40.76	-38.04	263.96	-28.79
		352	2.16	17.22	-8.94	-3.81	12.10	-10.38	-70.47	-134.26	-80.75	-123.98	-23.46
		363	3.34	17.15	-21.02	5.10	-8.97	-17.74	78.14	-51.76	37.83	-11.46	-60.09
234	40	129	4.54	6.66	-22.95	6.64	-22.93	0.84	254.20	88.44	90.04	252.59	-16.24
		102	3.65	39.79	23.17	34.40	28.56	-7.78	166.94	-33.52	-31.41	164.82	-20.47
		352	1.48	14.43	-6.28	-1.59	9.74	-8.66	-48.00	-84.12	-61.10	-71.02	-17.37
		363	2.29	9.87	-15.81	4.14	-10.08	-10.69	74.36	-19.10	35.59	19.68	-46.05
234	47	129	1.51	2.82	-13.65	1.19	-12.02	4.92	70.06	20.21	22.29	67.97	9.99
		102	0.88	12.91	-2.67	12.90	-2.67	0.32	-19.45	-35.63	-22.18	-32.90	-6.05
		352	1.18	10.34	-1.71	2.90	5.73	-5.86	35.79	-28.35	-27.75	35.19	-6.18
		363	1.97	3.15	-13.89	2.57	-13.32	3.08	93.92	26.34	35.12	85.15	-22.72
234	54	129	1.32	2.54	-12.88	0.93	-11.28	4.71	58.81	15.52	18.02	56.31	10.10
		102	0.87	11.23	-3.33	11.19	-3.29	0.71	-18.34	-37.02	-19.67	-35.69	-4.79
		352	1.12	9.72	-1.40	2.99	5.33	-5.43	36.69	-25.20	-24.70	36.19	-5.56
		363	1.91	3.12	-13.49	2.35	-12.73	3.48	90.18	25.90	32.95	83.13	-20.09
234	79	129	3.16	24.56	1.50	18.37	7.69	-10.22	149.60	-26.65	-2.47	125.42	-60.65
		102	3.14	42.54	8.14	35.00	15.67	-14.22	105.66	-54.39	-36.11	87.39	-50.90
		352	4.31	39.70	-2.62	12.79	24.30	-20.36	174.96	2.25	8.70	168.51	-32.75
		363	3.76	15.02	-8.70	0.08	6.24	-11.45	195.53	12.88	49.31	159.10	-72.98
234	111	129	1.70	9.82	-2.88	9.34	-2.40	-2.43	95.42	2.69	8.50	89.61	-22.47
		102	1.57	24.75	3.43	22.60	5.58	-6.43	32.71	-38.57	-27.45	21.59	-25.86
		352	2.59	23.83	-2.20	7.43	14.21	-12.57	100.81	-12.34	-9.33	97.80	-18.21
		363	2.03	3.13	-5.76	1.22	-3.85	-3.65	139.94	20.54	40.79	119.68	-44.82
235	18	359	3.50	19.30	-23.37	4.74	-8.81	20.23	64.47	-66.98	40.95	-43.46	50.38
		352	2.84	15.96	-13.28	-11.14	13.82	7.62	-31.22	-175.29	-61.47	-145.05	58.68
		102	8.82	66.06	38.72	52.04	52.74	13.66	455.71	-87.88	-84.07	451.89	-45.40
		121	10.33	16.29	-31.23	15.25	-30.19	6.94	665.18	217.27	227.91	654.54	68.21
235	41	359	2.29	11.21	-15.78	2.28	-6.84	12.70	45.85	-42.97	29.74	-26.86	34.22

		352	1.95	11.12	-8.55	-7.23	9.80	4.91	-19.66	-120.19	-42.31	-97.53	42.00
		102	6.09	42.26	26.50	34.15	34.61	7.87	319.34	-59.21	-55.92	316.05	-35.13
		121	7.32	11.04	-20.52	10.35	-19.83	4.60	475.99	153.94	160.46	469.48	45.35
235	52	359	0.71	-5.04	-8.15	-5.22	-7.96	-0.74	30.83	-4.25	22.66	3.93	14.83
		352	1.07	6.46	-1.15	-1.11	6.42	0.53	2.04	-59.59	-20.45	-37.10	29.67
		102	3.36	12.53	2.18	7.26	7.45	-5.18	188.29	-25.26	-19.00	182.03	-36.02
		121	4.58	4.55	-4.28	4.39	-4.12	1.18	324.93	96.84	97.92	323.85	15.64
235	54	359	0.90	-3.87	-11.95	-7.38	-8.44	-4.01	28.06	3.62	21.55	10.12	10.80
		352	0.97	5.87	0.28	0.33	5.82	-0.55	8.01	-48.91	-16.01	-24.89	28.11
		102	3.02	9.68	-7.48	1.06	1.14	-8.58	165.73	-19.76	-11.78	157.75	-37.63
		121	4.10	3.19	-0.33	3.16	-0.30	0.32	302.40	86.91	87.37	301.95	9.88
235	59	359	7.84	24.10	-20.72	-0.07	3.44	22.34	521.25	116.54	122.21	515.59	47.55
		352	4.69	43.34	-8.27	17.37	17.70	25.80	194.40	13.27	26.72	180.95	47.48
		102	7.20	51.88	4.90	43.75	13.03	17.77	380.01	-18.02	2.11	359.88	-87.22
		121	11.74	53.14	-5.53	36.02	11.58	26.67	807.05	142.94	144.23	805.76	-29.22
235	91	359	3.36	4.27	-11.43	-4.12	-3.04	7.83	239.55	61.84	66.28	235.11	27.72
		352	2.38	21.00	-1.81	7.97	11.22	11.29	83.33	-13.89	3.00	66.43	36.84
		102	4.44	20.98	5.81	20.24	6.54	3.26	260.57	-19.00	-5.84	247.41	-59.20
		121	7.38	25.25	-2.24	17.91	5.10	12.16	526.44	111.92	112.04	526.32	-6.99
236	18	358	2.35	7.22	-24.82	-10.45	-7.15	15.93	94.51	2.96	10.55	86.92	25.25
		359	3.14	13.97	-31.40	-3.56	-13.88	22.09	55.90	-34.00	18.05	3.85	44.39
		121	8.82	21.13	-6.47	20.67	-6.01	3.54	581.77	87.88	94.07	575.59	54.91
		119	7.10	13.20	-20.41	1.62	-8.83	15.97	492.62	76.35	98.11	470.86	92.65
236	41	358	1.59	4.05	-17.49	-7.93	-5.51	10.70	67.59	3.64	8.23	63.00	16.51
		359	2.13	8.70	-21.84	-3.22	-9.92	14.90	41.22	-20.65	13.42	7.15	30.77
		121	6.29	14.14	-4.31	13.98	-4.15	1.73	416.33	64.41	68.08	412.66	35.74
		119	5.13	9.59	-14.50	1.25	-6.16	11.46	358.13	57.00	71.00	344.13	63.41
236	52	358	0.98	-3.20	-11.80	-8.86	-6.14	4.08	51.95	9.58	9.85	51.69	3.35
		359	0.98	-0.95	-13.00	-6.63	-7.32	6.01	39.11	1.70	12.22	28.59	16.82
		121	4.16	6.56	-2.96	5.50	-1.90	-2.99	283.44	49.27	49.57	283.15	8.34
		119	3.81	7.83	-10.25	1.33	-3.75	8.68	265.92	46.80	51.14	261.58	30.54
236	54	358	0.96	-4.80	-11.20	-9.60	-6.41	2.77	50.40	10.45	10.46	50.40	0.44
		359	0.79	-3.25	-11.50	-7.83	-6.92	4.10	40.58	5.10	12.20	33.48	14.20
		121	3.80	6.08	-3.65	3.70	-1.27	-4.18	263.26	46.96	46.99	263.22	2.64
		119	3.63	7.74	-9.56	1.39	-3.20	8.34	252.78	45.16	48.08	249.86	24.42
236	59	358	7.84	8.86	-14.53	8.81	-14.48	-1.14	508.43	104.74	111.72	501.44	52.65
		359	8.24	8.03	-14.99	8.02	-14.99	0.19	541.72	124.60	124.91	541.40	11.52
		121	11.59	16.26	-11.89	13.71	-9.33	-8.09	763.94	105.44	108.50	760.87	44.84
		119	10.73	15.00	-12.02	14.26	-11.27	4.43	703.48	85.72	98.52	690.68	87.99
236	91	358	3.93	-1.25	-10.18	-1.40	-10.03	1.14	253.91	52.60	55.52	250.98	24.09
		359	4.03	-0.19	-11.13	-0.78	-10.55	2.46	260.46	61.54	62.41	259.59	13.15
		121	7.27	10.37	-7.11	8.15	-4.89	-5.82	485.92	73.17	74.34	484.75	21.95
		119	6.75	9.81	-9.53	7.11	-6.83	6.70	453.19	63.15	70.47	445.88	52.90
237	18	355	1.90	12.18	-20.54	-4.63	-3.73	16.35	75.36	15.30	15.51	75.15	-3.54
		358	3.94	19.62	-48.72	-15.82	-13.28	34.15	109.26	16.11	30.04	95.33	33.22
		119	8.14	23.19	2.79	5.38	20.60	6.80	474.88	8.15	38.64	444.39	115.32
		113	5.24	-21.12	-67.32	-35.16	-53.27	21.25	274.57	82.70	138.18	219.09	86.99
237	41	355	1.35	8.78	-14.64	-3.65	-2.22	11.69	50.96	9.53	9.89	50.60	-3.86
		358	2.72	13.17	-34.53	-11.69	-9.67	23.83	76.82	13.61	22.49	67.94	21.96
		119	5.87	16.34	2.18	4.04	14.48	4.78	347.01	12.09	32.00	327.09	79.20
		113	3.77	-14.01	-46.95	-24.06	-36.89	15.17	200.83	58.62	95.28	164.17	62.21
237	47	355	1.13	7.58	-12.53	-5.71	0.76	9.52	31.07	0.33	3.59	27.80	-9.47
		358	1.58	4.12	-25.17	-12.81	-8.24	14.47	51.33	19.37	19.79	50.90	3.67
		119	4.26	13.10	3.06	4.39	11.78	3.40	262.09	36.35	42.57	255.87	36.95
		113	2.62	-3.83	-30.39	-11.59	-22.62	12.08	140.26	20.87	36.83	124.30	40.63
237	54	355	1.04	7.02	-11.23	-5.26	1.05	8.57	27.01	-1.86	2.01	23.14	-9.83
		358	1.47	3.46	-23.09	-11.74	-7.90	13.13	47.76	19.25	19.50	47.51	2.66
		119	4.01	11.45	2.78	4.11	10.12	3.12	251.67	37.67	42.69	246.65	32.40
		113	2.51	-2.84	-27.09	-10.01	-19.92	11.07	137.87	19.31	33.43	123.75	38.41
237	59	355	5.32	11.61	-4.67	3.27	3.67	8.14	367.03	62.27	62.77	366.53	12.36
		358	7.01	9.04	-16.55	-2.23	-5.27	12.70	500.33	94.98	100.76	494.55	48.05
		119	10.48	13.90	6.45	7.60	12.75	2.69	719.46	138.04	158.06	699.44	106.03
		113	7.10	-9.06	-31.04	-22.81	-17.29	10.64	495.53	106.49	129.12	472.90	91.07
237	91	355	2.69	8.92	-8.25	-1.48	2.15	8.39	176.00	29.08	29.08	176.00	0.16
		358	3.62	5.81	-20.11	-7.50	-6.79	12.95	249.08	52.89	55.66	246.31	23.16
		119	6.88	12.48	4.32	5.57	11.23	2.94	459.60	82.26	93.93	447.93	65.30
		113	4.53	-6.34	-28.32	-15.84	-18.82	10.89	296.40	58.60	75.92	279.08	61.80
238	18	112	16.94	122.33	48.23	69.61	100.96	33.57	35.49	-832.84	24.46	-821.82	-97.21
		117	6.32	3.19	-69.93	2.72	-69.47	5.84	140.45	-200.84	-57.27	-3.11	-168.48
		357	5.70	47.13	-42.11	17.78	-12.76	41.93	5.92	-147.54	-47.04	-94.58	-72.95
		354	5.07	39.14	-19.62	-0.21	19.73	27.64	259.23	69.86	69.87	259.22	1.17
238	41	112	11.39	82.45	32.63	47.04	68.04	22.59	25.95	-558.92	18.75	-551.72	-64.49
		117	4.33	2.35	-47.48	1.97	-47.10	4.34	94.80	-139.08	-39.94	-4.34	-115.58
		357	3.87	31.31	-29.30	11.61	-9.60	28.39	1.98	-103.41	-33.32	-68.11	-49.74
		354	3.39	26.58	-13.42	-0.39	13.54	18.75	172.25	46.65	46.65	172.25	-0.30
238	52	112	4.04	31.02	13.26	18.60	25.69	8.14	24.96	-190.26	23.22	-188.52	-19.28
		117	2.15	2.41	-19.89	1.66	-19.14	4.01	43.90	-71.25	-21.15	-6.20	-57.09

		357	1.63	8.90	-16.74	1.62	-9.46	11.56	-8.95	-63.48	-21.20	-51.23	-22.76
		354	1.13	11.07	-6.38	-1.80	6.50	7.67	50.95	13.29	14.37	49.87	-6.29
238	54	112	2.40	19.98	9.16	12.56	16.59	5.02	27.07	-106.21	26.40	-105.54	-9.43
		117	1.75	2.78	-14.00	1.69	-12.92	4.12	35.76	-57.13	-16.88	-4.50	-46.03
		357	1.18	3.98	-14.50	-0.89	-9.63	8.14	-10.42	-55.99	-18.50	-47.90	-17.41
		354	0.69	7.75	-5.05	-2.31	5.02	5.24	25.70	3.59	6.95	22.34	-7.93
238	83	112	7.23	61.37	12.42	39.76	34.03	24.31	63.08	-333.67	46.77	-317.35	-78.78
		117	6.24	31.48	-15.81	11.14	4.52	23.41	174.77	-156.15	50.83	-32.21	-160.16
		357	4.66	36.68	-18.24	10.63	7.82	27.43	22.57	-142.20	-38.12	-81.51	-79.48
		354	4.58	46.97	-2.09	22.42	22.46	24.53	-39.98	-209.10	-43.67	-205.41	-24.72
238	115	112	4.64	39.33	10.99	25.48	24.85	14.17	43.34	-212.84	36.22	-205.72	-42.12
		117	3.75	15.14	-13.55	6.26	-4.66	13.27	100.50	-101.98	15.33	-16.81	-99.96
		357	2.82	19.04	-16.01	4.40	-1.37	17.28	4.70	-95.22	-27.37	-63.15	-46.65
		354	2.38	25.76	-3.31	9.18	13.27	14.39	-13.39	-88.83	-16.84	-85.38	-15.76
239	4	117	4.91	11.52	-8.76	5.04	-2.27	9.46	167.54	-150.99	38.20	-21.64	-156.43
		115	8.85	7.09	-57.94	-32.82	-18.03	31.66	440.19	-43.15	-0.21	397.25	-137.51
		356	3.42	23.24	-29.85	6.99	-13.60	24.47	-36.88	-169.50	-40.46	-165.92	-21.48
		357	4.29	26.50	-45.93	-0.50	-18.94	35.02	10.54	-104.24	-15.60	-78.10	-48.13
239	34	117	3.37	7.82	-6.24	3.41	-1.83	6.53	114.05	-104.56	25.30	-15.81	-107.36
		115	6.27	5.28	-41.07	-22.69	-13.09	22.68	311.31	-28.32	1.18	281.80	-95.66
		356	2.50	15.87	-21.22	4.80	-10.14	16.98	-27.65	-123.13	-29.54	-121.24	-13.30
		357	3.01	18.24	-32.67	-0.75	-13.68	24.62	5.34	-75.83	-12.25	-58.24	-33.44
239	47	117	1.66	3.59	-4.44	1.43	-2.28	3.56	56.70	-47.63	8.90	0.16	-51.98
		115	4.43	5.42	-28.39	-12.05	-10.92	16.90	223.45	-2.37	11.91	209.18	-54.96
		356	2.13	6.83	-15.26	1.45	-9.88	9.48	-25.70	-105.11	-25.79	-105.02	2.66
		357	1.87	8.67	-23.32	-3.86	-10.78	15.62	-7.85	-63.52	-15.49	-55.88	-19.15
239	54	117	1.45	2.91	-4.13	1.21	-2.43	3.01	47.60	-44.03	6.61	-3.04	-45.56
		115	4.03	5.18	-26.17	-10.69	-10.29	15.67	200.79	-1.78	10.92	188.09	-49.11
		356	2.01	5.91	-14.05	1.36	-9.50	8.38	-24.18	-99.79	-24.35	-99.62	3.59
		357	1.70	7.73	-21.51	-3.57	-10.21	14.24	-8.76	-60.98	-15.19	-54.55	-17.15
239	64	117	2.75	1.10	-14.34	-8.23	-5.01	7.55	109.17	-49.29	-1.47	61.35	-72.74
		115	7.58	5.68	-34.88	-16.33	-12.87	20.21	434.14	-16.73	-4.09	421.50	-74.41
		356	3.44	16.41	-17.93	10.56	-12.08	12.91	145.48	8.16	17.20	136.43	-34.06
		357	3.17	14.73	-25.60	1.92	-12.79	18.77	58.35	-51.00	-4.96	12.31	-53.99
239	96	117	1.99	1.73	-8.31	-3.05	-3.53	5.01	72.89	-44.32	3.12	25.45	-57.53
		115	5.55	5.39	-30.00	-13.22	-11.39	17.67	302.64	-8.05	4.18	290.40	-60.42
		356	1.50	10.59	-15.68	5.51	-10.60	10.37	13.16	-15.62	-6.28	3.81	-13.48
		357	2.30	10.82	-23.23	-1.11	-11.31	16.24	16.70	-52.38	-10.67	-25.01	-33.79
240	4	115	9.10	14.80	-42.69	-23.79	-4.11	27.01	554.17	59.20	98.87	514.50	-134.40
		113	13.76	-25.24	-88.59	-39.25	-74.58	26.29	749.97	56.36	59.64	746.69	47.62
		355	4.79	28.99	-5.74	26.62	-3.36	-8.76	-28.04	-264.06	-30.06	-262.05	-21.70
		356	5.28	33.10	-61.52	1.23	-29.66	44.72	-8.18	-182.11	-11.02	-179.27	-22.04
240	34	115	6.47	10.06	-30.48	-16.58	-3.84	19.24	392.89	42.75	69.67	365.98	-93.27
		113	9.75	-17.12	-61.85	-26.72	-52.24	18.37	533.20	43.32	45.79	530.73	34.69
		355	3.40	20.70	-3.88	18.82	-2.00	-6.54	-18.85	-187.60	-20.19	-186.26	-14.96
		356	3.82	23.25	-43.78	1.04	-21.57	31.56	-7.35	-131.98	-8.94	-130.40	-13.97
240	47	115	4.74	5.85	-21.72	-9.44	-6.43	13.70	287.60	37.78	49.50	275.88	-52.82
		113	7.08	-8.15	-39.41	-13.08	-34.47	11.40	401.79	55.37	57.93	399.23	29.72
		355	2.42	14.39	-2.04	12.01	0.34	-5.78	-10.19	-139.00	-10.77	-138.43	-8.60
		356	3.10	14.57	-31.89	0.60	-17.93	21.30	-11.14	-110.07	-11.14	-110.07	0.37
240	54	115	4.32	4.94	-20.22	-8.49	-6.79	12.55	258.75	33.61	43.82	248.53	-46.87
		113	6.38	-6.74	-35.24	-11.12	-30.86	10.27	362.87	51.70	54.11	360.46	27.25
		355	2.20	13.45	-1.77	11.01	0.67	-5.59	-8.09	-126.34	-8.53	-125.90	-7.23
		356	2.90	13.28	-29.40	0.81	-16.92	19.41	-11.58	-103.62	-11.60	-103.60	1.28
240	76	115	7.08	4.52	-7.13	0.74	-3.35	5.45	498.69	94.69	94.77	498.62	-5.42
		113	8.06	1.09	-27.78	0.74	-27.43	3.18	488.09	79.52	93.52	474.09	74.32
		355	1.51	25.57	-3.40	18.06	4.10	-12.69	16.98	-21.26	13.73	-18.01	10.66
		356	2.61	5.04	-21.67	-3.14	-13.49	12.31	146.15	8.68	15.53	139.30	29.90
240	96	115	6.25	6.85	-28.60	-13.94	-7.80	17.46	369.50	3.76	16.46	356.80	-66.96
		113	7.10	-8.26	-41.63	-18.01	-31.88	15.18	413.26	27.87	33.97	407.16	48.09
		355	1.75	14.77	-0.38	14.73	-0.35	-0.69	0.88	-82.14	0.87	-82.14	0.55
		356	2.69	19.90	-33.56	4.28	-17.94	24.31	4.08	-27.25	-23.88	0.70	-9.71

Elem.	Von Mises	N max	N min	N 1	N 2	N 1-2	M max	M min	M 1	M 2	M 1-2
	126.99	122.33	-202.55	-110.07	-192.44	-57.88	9082.61	-1.945e+04	1.601e+04	-8562.50	-4508.10
			109.64	106.47	83.26			8712.85	3779.86	7120.33	

VERIFICHE ELEMENTI PARETE E GUSCIO IN C.A.

LEGENDA TABELLA VERIFICHE ELEMENTI PARETE E GUSCIO IN C.A.

Per le pareti in c.a., in ottemperanza al cap. 7 del DM 17-01-18, viene effettuata una doppia progettazione: sia come *Singolo Elemento* sia come *Parete Sismica* o *Parete Debolmente Armata*.

Per la progettazione come *Singolo Elemento* di ogni elemento vengono riportati il codice dello stato di verifica con le sigle **Ok** e **NV**, il rapporto x/d , la verifica per sollecitazioni ultime (verifica a compressione media gli sforzi membranali, verifica a presso-flessionale e verifica a sollecitazioni taglianti), gli sforzi membranali e flessionali, il quantitativo di armatura nella direzione principale e secondaria sia inferiore che superiore e il quantitativo di armatura a taglio.

Per la progettazione come *Parete Sismica* o *Parete Debolmente Armata* vengono riportate invece le caratteristiche geometriche della parete e delle zone dissipative (quest'ultime solo nel caso di parete sismica), i coefficienti di verifica a compressione assiale, pressoflessione e sollecitazioni taglianti.

Inoltre vengono riportate per ogni quota significativa l'armatura principale e secondaria, l'armatura in zona confinata (solo per parete sismica) e non confinata, l'armatura concentrata all'estremità (per pareti debolmente armate), lo sforzo assiale aggiuntivo per q superiore a 2 e i valori di inviluppo di taglio e momento. Per le pareti debolmente armate viene riportato anche lo stato di verifica relativo alla snellezza.

Le azioni derivate dall'analisi, in ogni combinazione di calcolo, sono elaborate come previsto al punto 7.4.4.5.1: traslazione del momento, incremento e variazione diagramma taglio, incremento e decremento sforzo assiale.

La progettazione nel caso dei gusci viene effettuata una progettazione come *Singolo Elemento*, riportando in tabella il rapporto x/d , la verifica per sollecitazioni ultime, (verifica a compressione media gli sforzi membranali, verifica a presso-flessionale e verifica a sollecitazioni taglianti) di ogni elemento.

Per ogni elemento, viene riportata inoltre la maglia di armatura necessaria in relazione alle risultanze della progettazione dei nodi dell'elemento stesso. Le quantità di armature necessarie sono armature (disposte rispettivamente in direzione principale e secondaria, inferiore e superiore) distribuite nell'elemento ed espresse in centimetri quadri per sviluppo lineare pari ad un metro.

Nel caso dei gusci viene effettuata, inoltre, la verifica a punzonamento, riportando in tabella il codice dello stato di verifica, il coefficiente di verifica per piastre prive di armature a taglio lungo il perimetro resistente e lungo il perimetro del pilastro, coefficiente di incremento dovuto ai momenti flettenti, fattore di amplificazione per le fondazioni, il fattore di amplificazione dell'altezza utile per individuare il perimetro di verifica lungo il quale l'armatura a taglio non è richiesta, il quantitativo di armatura a punzonamento, il numero di serie di armature, il numero di braccia di armatura ed il riferimento alla combinazione più gravosa.

Per gli elementi di fondazione si fa riferimento al paragrafo 7.2.5 del D.M.17/01/2018 che prevede:

“Sia per CD“A” sia per CD“B” il dimensionamento delle strutture di fondazione e la verifica di sicurezza del complesso fondazione-terreno devono essere eseguiti assumendo come azione in fondazione, trasmessa dagli elementi soprastanti, una tra le seguenti:

- *quella derivante dall'analisi strutturale eseguita ipotizzando comportamento strutturale non dissipativo;*
- *[...];*
- *quella trasferita dagli elementi soprastanti nell'ipotesi di comportamento strutturale dissipativo, amplificata di un coefficiente pari a 1,30 in CD“A” e 1,10 in CD“B”*

[...]

Le strutture delle fondazioni superficiali devono essere progettate per le azioni definite al precedente capoverso, assumendo un comportamento non dissipativo; non sono quindi necessarie armature specifiche per ottenere un comportamento duttile.”

Nel caso di comportamento strutturale dissipativo l'incremento delle sollecitazioni sopracitato viene eseguito come previsto dall'Eurocodice

$$E_{Fd} = E_{F,G} + \gamma_{Rd} \Omega E_{F,E}$$

Nel contesto visualizzazione risultati e nella stampa della relazione sulle fondazioni PRO_SAP mostra le sollecitazioni che derivano dall'analisi non incrementate sia in termini di pressioni sul terreno che in termini di sollecitazioni.

Simbologia adottata nelle tabelle di verifica

Per gli elementi con progettazione di tipo "Singolo Elemento ..." è presente una tabella con i simboli di seguito descritti:

Macro Guscio	Numero del macroelemento di tipo guscio (elementi non verticali contigui ed analoghi per proprietà)
Macro Setto	Numero del macroelemento di tipo setto (elementi verticali contigui ed analoghi per proprietà)
Spessore	Spessore della parete
Id Materiale	Codice del materiale assegnato all'elemento
Id Criterio	Codice del criterio di progetto assegnato all'elemento
Progettazione	Sigla tipo di Elemento: - Singolo Elemento; - Singolo Elemento FONDAZIONE; - Singolo Elemento NON DISSIPATIVO

Per gli elementi con progettazione di tipo "Parete Sismica" e "Parete Debolmente Armata" è presente una tabella con i simboli di seguito descritti:

Parete	Numero della PARETE SISMICA
Parete PDA	Numero della PARETE DEBOLMENTE ARMATA
H totale	Altezza complessiva della parete
Spessore	Spessore della parete
H critica	Altezza come da punto 7.4.4.5.1 per traslazione momento (solo in Parete Sismica)
H critica V	Altezza della zona dissipativa (solo in Parete Sismica)
L totale	Larghezza di base della parete
L confinata	Lunghezza della zona dissipativa (solo in Parete Sismica)
Verif. N	Verifica di cui al punto 7.4.4.5.1 compressione semplice
Verif. N-M	Verifica di cui al punto 7.4.4.5.1 pressoflessione
Fattore V	Fattore di amplificazione del taglio di cui al punto 7.4.4.5.1
Diagramma V	Diagramma elaborato per effetto modi superiori come da fig. 7.4.4
Verif. V	Verifica di cui al punto 7.4.4.5.1 taglio (compressione cls, trazione acciaio, scorrimento in zona critica) (solo in Parete Sismica)
Verifica Snellezza	Verifica di cui al punto 7.4.4.5.1 limitazione compressione per prevenire l'instabilità (solo in Parete Debolmente Armata)
Prog. composta	Sigla per la progettazione composta

Sia per le verifiche degli elementi con progettazione di tipo "Singolo Elemento ..." e "Parete ..." è presente una tabella con i simboli di seguito descritti:

Nodo	Numero del nodo
Stato	Codice di verifica dell'elemento ok o NV
x/d	Rapporto tra posizione dell'asse neutro e altezza utile alla rottura della sezione (per sola flessione)
V N/M	Verifica delle sollecitazioni Normali (momento e sforzo normale)
Ver. rid	Rapporto Nd/Nu (Nu ottenuto con riduzione del 25% di fcd)
Af pr+	Quantità di armatura richiesta in direzione principale relativa alla faccia positiva (estradosso piastre) (valore derivante da calcolo o minimo normativo)
Af pr-	Quantità di armatura richiesta in direzione principale relativa alla faccia negativa (intradosso piastre) (valore derivante da calcolo o minimo normativo)

Af sec+	Quantità di armatura richiesta in direzione secondaria relativa alla faccia positiva (estradosso piastre) (valore derivante da calcolo o minimo normativo)		
Af sec-	Quantità di armatura richiesta in direzione secondaria relativa alla faccia negativa (intradosso piastre) (valore derivante da calcolo o minimo normativo)		
Nz	No	Nzo	Sforzi membranali per pareti e/o setti verticali
Mz	Mo	Mzo	Sforzi flessionali per pareti e/o setti verticali
Nx	Ny	Nxy	Sforzi membranali per gusci orizzontali
Mx	Mx	Mxy	Sforzi flessionali per gusci orizzontali

Nodo	Numero del nodo
Stato	Codice di verifica dell'elemento ok, NV oppure ok Av (verificata, ma con richiesta di armatura a taglio)
Max tau	Tensione tangenziale Massima
Ver V pr	Verifica a taglio nella direzione principale lato calcestruzzo
Ver V sec	Verifica a taglio nella direzione secondaria lato calcestruzzo
Af V pr	Armatura nella direzione principale
V pr-	Verifica dell'armatura nella direzione principale
Af V sec	Armatura nella direzione secondaria
V sec-	Verifica dell'armatura nella direzione secondaria

Per le verifiche degli elementi con progettazione "*Parete Sismica o Parete Debolmente Armata*", oltre alla tabella con le verifiche per gli elementi con progettazione "*Singolo Elemento ...*", è presente una tabella con i simboli di seguito descritti:

Quota	Ascissa verticale di riferimento
Af conf.	Numero e diametro armatura presente in una zona confinata
Af std	Diametro e passo armatura in zona non confinata (doppia maglia)
Af estremi	Diametro dei ferri di estremità del pannello; se posto uguale 0, viene utilizzato il diametro standard
Af V (ori)	Diametro e passo armatura orizzontale (doppia maglia)
Ver. N	Rapporto tra azione di calcolo e resistenza a compressione (normalizzato a 1 in quanto da confrontare con 40% in CDB e 35 % in CDA)
Ver. N/M	Rapporto tra azione di calcolo e resistenza a pressoflessione
Ver. V acc(7)	Rapporto tra azione di calcolo e resistenza a taglio-trazione per alfaS minore di 2 secondo paragrafo 7.4.4.5.1
Ver. V cls	Rapporto tra azione di calcolo e resistenza a taglio-compressione
Ver. V acc	Rapporto tra azione di calcolo e resistenza a taglio-trazione
Ver. V scorr.	Rapporto tra azione di calcolo e resistenza a taglio scorrimento
N add	Sforzo assiale di cui al punto 7.4.4.5.1 da sommare e sottrarre nelle verifiche quando q supera 2
N invil M invil	Inviluppo del Momento e Sforzo Normale come al punto 7.4.4.5.1 (informativo) (solo in Parete Sismica)

Quota	Ascissa verticale di riferimento
N v.N	Valore dello sforzo assiale per cui Ver. N attinge il massimo valore
N v.M/N, M v.M/N	Valore dello sforzo assiale e momento per cui Ver. N/M attinge il massimo valore
N v.M/N, M v.M/N Mo v.M/N	Valore dello sforzo assiale e dei momenti per cui Ver. N/M attinge il massimo valore (per le pareti estese debolmente armate)
N v.Vcls, V v.Vcls,	Valore dello sforzo assiale e taglio per cui Ver. V. cls attinge il massimo valore
N v.Vacc, M v.Vacc, V v.Vacc,	Valore dello sforzo assiale, momento e taglio per cui Ver. V. acc attinge il massimo valore
N v.Vscorr, M v.Vscorr, V v.Vscorr,	Valore dello sforzo assiale, momento e taglio per cui Ver. V. scorr.e attinge il massimo valore

N v.N	Valore dello sforzo assiale per cui Ver. N attinge il massimo valore
N v.M/N, M v.M/N	Valore dello sforzo assiale e momento per cui Ver. N/M attinge il massimo valore
N v.M/N, M v.M/N Mo v.M/N	Valore dello sforzo assiale e dei momenti per cui Ver. N/M attinge il massimo valore (per le pareti estese debolmente armate)
N v.Vcls, V v.Vcls,	Valore dello sforzo assiale e taglio per cui Ver. V. cls attinge il massimo valore

Quota	Ascissa verticale di riferimento
CtgT Vcls	Valore di ctg(teta) adottato nella verifica V compressione cls
Vrsd Vcls	Valore della resistenza a taglio trazione (armatura di calcolo)
Vrcd Vcls	Valore della resistenza a taglio compressione
CtgT Vacc	Valore di ctg(teta) adottato nella verifica V trazione armatura
Vrsd Vacc	Valore della resistenza a taglio trazione (armatura presente)
Vrcd Vacc	Valore della resistenza a taglio compressione
Vdd	Valore del contributo alla resistenza allo scorrimento come da [7.4.20]
Vid	Valore del contributo alla resistenza allo scorrimento come da [7.4.21]
A s.i.	Somma delle aree di armature
Incli.	Angolo di inclinazione delle armature
Dist.	Distanza alla base tra le armature inclinate

Quota	Ascissa verticale di riferimento
V[7.4.16]	Verifica a taglio-trazione dell'armatura dell'anima (7.4.16)
N M V	Sollecitazioni di calcolo della condizione più gravosa
Alfas	Rapporto di Taglio
Vrd,c	Resistenza a taglio degli elementi non armati
VRd,s	Resistenza a taglio nei confronti dello scorrimento
V[7.4.17]	Verifica a taglio-trazione dell'armatura dell'anima (7.4.17)
roH	Rapporto tra l'armatura orizzontale e l'area della sezione relativa di calcestruzzo
roV	Rapporto tra l'armatura verticale e l'area della sezione relativa di calcestruzzo
roN	Sforzo normale adimensionalizzato Ned/(bw fyd)

Per la verifica a **Punzonamento** è presente una tabella con i simboli di seguito descritti:

Nodo	Numero del nodo
Stato	Codice di verifica dell'elemento ok o NV
V. 6.47	Fattore di sicurezza per la verifica per piastre prive di armature a taglio lungo il perimetro resistente U1
V. 6.53	Fattore di sicurezza per la verifica per piastre prive di armature a taglio lungo il perimetro del pilastro U0
Beta	Fattore di incremento dovuto ai momenti flettenti
f. a fon	Fattore di amplificazione per le fondazioni (solo per gusci di fondazione)
f. Uout	Fattore di amplificazione dell'altezza utile per individuare il perimetro di verifica lungo il quale l'armatura a taglio non è richiesta
Aw tot	Quantitativo di armatura per la verifica di piastre munite di armatura (formula 6.52 dell'EC2)
Asw,min	Quantitativo minimo di armatura previsto dai dettagli costruttivi (formula 9.11 dell'EC2)
n. x serie	Numero di serie di armature
n.ser 0(R)	Numero di braccia delle armatura in direzione 0 (o numero di braccia radiale)
n.ser 90	Numero di braccia delle armatura in direzione 90 (solo se armatura cruciforme)
Rif. cmb	Riferimento combinazioni da cui si generano le verifiche più gravose

Macro Setto	Spessore	Id Materiale	Id Criterio	Progettazione
	cm			
1	20.00	1	2	Singolo elemento FONDAZIONE

Nodo	Stato	x/d	V N/M	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N z daN/cm	N o daN/cm	N zo daN/cm	M z daN	M o daN	M zo daN
77	ok	0.22	0.2	1.12e-02	10.1	10.1	5.7	5.7	-10.5	42.8	10.0	-61.4	179.2	-43.0
80	ok	0.22	0.2	1.99e-02	10.1	10.1	5.7	5.7	-47.6	-14.8	-13.1	82.2	-373.4	-34.0
112	ok	0.22	0.2	2.18e-02	10.1	10.1	5.7	5.7	101.0	69.6	-33.6	-821.8	24.5	97.2
113	ok	0.22	0.1	3.19e-02	10.1	10.1	5.7	5.7	-73.6	-43.0	-27.4	678.8	27.1	-40.4
114	ok	0.22	0.1	1.13e-02	10.1	10.1	5.7	5.7	-12.1	27.2	-11.9	-152.8	-57.5	-108.3
115	ok	0.22	9.54e-02	2.21e-02	10.1	10.1	5.7	5.7	-17.0	-36.5	-31.0	362.8	-15.9	148.5
116	ok	0.22	0.2	1.04e-02	10.1	10.1	5.7	5.7	5.0	-22.0	11.7	29.8	5.3	127.4
117	ok	0.22	9.40e-02	2.41e-02	10.1	10.1	5.7	5.7	-69.5	2.7	-5.8	-3.1	-57.3	168.5
354	ok	0.22	0.1	1.08e-02	10.1	10.1	5.7	5.7	19.7	-0.2	-27.6	259.2	69.9	-1.2
355	ok	0.22	7.02e-02	7.14e-03	10.1	10.1	5.7	5.7	-4.1	28.2	8.5	-245.2	-28.6	21.5
356	ok	0.22	0.1	2.21e-02	10.1	10.1	5.7	5.7	-11.8	9.9	-26.2	-153.9	-36.7	33.1
357	ok	0.22	9.92e-02	1.66e-02	10.1	10.1	5.7	5.7	-12.8	17.8	-41.9	-94.6	-47.0	73.0

Nodo	x/d	V N/M	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N z	N o	N zo	M z	M o	M zo
	0.22	0.17	0.03	10.05	10.05	5.65	5.65	-73.57	-42.96	-41.93	-821.82	-373.36	-108.28
								100.96	69.61	11.66	678.76	179.18	168.48

Nodo	Stato	Max tau daN/cm2	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr daN/cm	V sec daN/cm
77	ok	0.86						
80	ok	1.05						
112	ok	1.14						
113	ok	1.75						
114	ok	1.05						
115	ok	1.75						
116	ok	0.86						
117	ok	1.14						
354	ok	1.17						
355	ok	1.76						
356	ok	1.76						
357	ok	1.17						

Nodo	Max tau 1.76	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr	V sec

Macro Setto	Spessore	Id Materiale	Id Criterio	Progettazione
	cm			
2	20.00	1	2	Singolo elemento FONDAZIONE

Nodo	Stato	x/d	V N/M	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N z daN/cm	N o daN/cm	N zo daN/cm	M z daN	M o daN	M zo daN
5	ok	0.22	0.3	2.18e-02	10.1	10.1	5.7	5.7	-23.0	95.7	3.4	85.1	174.6	72.0
80	ok	0.22	0.2	2.12e-02	10.1	10.1	5.7	5.7	-45.8	11.2	-32.4	225.7	454.9	3.7
102	ok	0.22	0.1	2.12e-02	10.1	10.1	5.7	5.7	52.6	52.4	-14.3	435.2	-85.2	42.6
113	ok	0.22	8.21e-02	2.41e-02	10.1	10.1	5.7	5.7	-26.3	-12.2	-7.2	-338.7	40.8	-91.6
118	ok	0.22	0.3	8.66e-03	10.1	10.1	5.7	5.7	3.2	71.2	-23.2	411.4	257.1	-51.6
119	ok	0.22	0.2	2.05e-02	10.1	10.1	5.7	5.7	-25.7	10.4	10.7	-503.1	-145.6	-116.1
120	ok	0.22	0.3	1.66e-02	10.1	10.1	5.7	5.7	16.0	109.6	-17.1	362.0	-73.0	87.5
121	ok	0.22	0.2	1.61e-02	10.1	10.1	5.7	5.7	-30.6	15.0	-6.9	630.2	221.4	-67.4
352	ok	0.22	0.1	1.30e-02	10.1	10.1	5.7	5.7	-10.6	-17.2	29.7	-170.0	-50.2	-4.4
355	ok	0.22	7.72e-02	8.55e-03	10.1	10.1	5.7	5.7	12.1	-15.4	-12.1	-225.4	-42.6	32.1
358	ok	0.22	9.91e-02	1.84e-02	10.1	10.1	5.7	5.7	3.0	-25.4	16.9	-233.8	-53.8	65.6
359	ok	0.22	0.1	1.56e-02	10.1	10.1	5.7	5.7	-16.3	6.3	-23.8	356.6	84.4	-58.0

Nodo	x/d	V N/M	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N z	N o	N zo	M z	M o	M zo
	0.22	0.29	0.02	10.05	10.05	5.65	5.65	-45.76	-25.45	-32.41	-503.12	-145.64	-116.07
								52.62	109.64	29.67	630.25	454.87	87.48

Nodo	Stato	Max tau daN/cm2	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr daN/cm	V sec daN/cm

5	ok	1.63
80	ok	2.25
102	ok	2.28
113	ok	2.26
118	ok	2.25
119	ok	2.40
120	ok	1.63
121	ok	2.40
352	ok	2.30
355	ok	2.30
358	ok	2.40
359	ok	2.40

Nodo	Max tau 2.40	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr	V sec

Macro Setto	Spessore	Id Materiale	Id Criterio	Progettazione
	cm			
3	20.00	1	2	Singolo elemento FONDAZIONE

Nodo	Stato	x/d	V N/M	ver. rid	Af pr-	Af pr+Af	sec-Af	sec+	N z daN/cm	N o daN/cm	N zo daN/cm	M z daN	M o daN	M zo daN
74	ok	0.22	0.2	3.89e-02	10.1	10.1	5.7	5.7	-99.4	24.0	41.0	78.8	-502.7	-23.1
77	ok	0.22	0.2	5.25e-03	10.1	10.1	5.7	5.7	-8.3	14.1	-10.4	-134.8	527.7	31.7
111	ok	0.22	0.1	3.42e-02	10.1	10.1	5.7	5.7	-75.7	-47.5	29.5	654.5	-14.3	-5.0
112	ok	0.22	0.2	2.29e-02	10.1	10.1	5.7	5.7	106.5	54.9	25.1	-1059.1	-38.0	-83.4
122	ok	0.22	0.1	5.57e-03	10.1	10.1	5.7	5.7	-5.0	27.7	-4.3	-179.2	-111.5	-47.5
123	ok	0.22	0.1	2.11e-02	10.1	10.1	5.7	5.7	-1.2	1.8	15.1	-269.9	-17.3	-176.5
124	ok	0.22	0.1	1.07e-02	10.1	10.1	5.7	5.7	-17.7	26.5	5.6	-102.6	-175.7	49.3
125	ok	0.22	0.1	2.62e-02	10.1	10.1	5.7	5.7	-5.3	-25.2	27.0	388.7	126.8	-130.1
353	ok	0.22	8.06e-02	5.12e-03	10.1	10.1	5.7	5.7	-3.7	25.6	-7.5	-236.4	-23.9	-8.6
354	ok	0.22	0.2	1.13e-02	10.1	10.1	5.7	5.7	29.5	16.0	29.3	-383.4	-74.9	-38.2
360	ok	0.22	0.1	1.73e-02	10.1	10.1	5.7	5.7	14.1	3.3	30.6	-293.1	-62.0	-74.7
361	ok	0.22	8.88e-02	2.36e-02	10.1	10.1	5.7	5.7	-15.7	2.0	25.5	-187.4	-26.8	-12.6

Nodo	x/d	V N/M	ver. rid	Af pr-	Af pr+Af	sec-Af	sec+	N z	N o	N zo	M z	M o	M zo
	0.22	0.21	0.04	10.05	10.05	5.65	5.65	-99.36	-47.55	-10.38	-1059.08	-502.67	-176.47
								106.47	54.87	40.96	654.49	527.68	49.26

Nodo	Stato	Max tau daN/cm2	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr daN/cm	V sec daN/cm
74	ok	0.74						
77	ok	1.81						
111	ok	1.51						
112	ok	2.78						
122	ok	1.81						
123	ok	2.78						
124	ok	0.88						
125	ok	1.83						
353	ok	1.50						
354	ok	2.78						
360	ok	2.78						
361	ok	1.87						

Nodo	Max tau 2.78	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr	V sec

Macro Setto	Spessore	Id Materiale	Id Criterio	Progettazione
	cm			
4	20.00	1	2	Singolo elemento FONDAZIONE

Nodo	Stato	x/d	V N/M	ver. rid	Af pr-	Af pr+Af	sec-Af	sec+	N z daN/cm	N o daN/cm	N zo daN/cm	M z daN	M o daN	M zo daN
5	ok	0.22	0.2	1.52e-02	10.1	10.1	5.7	5.7	-14.5	39.9	2.3	-24.8	-158.7	-20.0
74	ok	0.22	0.2	3.78e-02	10.1	10.1	5.7	5.7	-93.7	35.3	46.3	226.0	497.0	-35.2
102	ok	0.22	0.1	1.16e-02	10.1	10.1	5.7	5.7	44.1	51.6	12.5	253.3	-46.6	31.3

111	ok	0.22	6.22e-02	2.46e-02	10.1	10.1	5.7	5.7	-53.7	-33.9	-3.8	-342.0	13.1	109.8
126	ok	0.22	0.2	7.04e-03	10.1	10.1	5.7	5.7	29.1	48.9	-37.5	129.4	-68.6	149.3
127	ok	0.22	9.83e-02	2.34e-02	10.1	10.1	5.7	5.7	-39.2	-26.8	31.0	-458.0	-175.2	119.9
128	ok	0.22	0.2	1.24e-02	10.1	10.1	5.7	5.7	3.7	57.3	16.1	46.0	-168.5	49.8
129	ok	0.22	8.18e-02	1.42e-02	10.1	10.1	5.7	5.7	-11.3	2.4	-2.8	-114.6	-26.2	40.0
352	ok	0.22	9.46e-02	7.58e-03	10.1	10.1	5.7	5.7	14.0	-2.9	12.7	-112.4	-89.9	25.3
353	ok	0.22	5.30e-02	8.11e-03	10.1	10.1	5.7	5.7	-4.3	-1.1	15.4	114.5	24.5	-15.7
362	ok	0.22	6.87e-02	1.81e-02	10.1	10.1	5.7	5.7	-15.5	-15.1	34.3	101.6	37.8	47.6
363	ok	0.22	7.26e-02	1.13e-02	10.1	10.1	5.7	5.7	-13.7	6.3	17.0	20.0	50.0	67.8

Nodo	x/d	V N/M	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N z	N o	N zo	M z	M o	M zo
	0.22	0.20	0.04	10.05	10.05	5.65	5.65	-93.66	-33.86	-37.48	-457.96	-175.16	-35.17
								44.07	57.33	46.32	253.26	497.01	149.30

Nodo	Stato	Max tau daN/cm2	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr daN/cm	V sec daN/cm
5	ok	0.73						
74	ok	1.06						
102	ok	1.30						
111	ok	0.94						
126	ok	1.06						
127	ok	0.94						
128	ok	0.76						
129	ok	1.30						
352	ok	1.36						
353	ok	0.77						
362	ok	0.80						
363	ok	1.36						

Nodo	Max tau 1.36	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr	V sec

Macro Setto	Spessore	Id Materiale	Id Criterio	Progettazione
	cm			
5	40.00	1	2	Singolo elemento FONDAZIONE

Nodo	Stato	x/d	V N/M	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N z daN/cm	N o daN/cm	N zo daN/cm	M z daN	M o daN	M zo daN
5	ok	0.10	0.3	1.68e-02	10.1	10.1	5.7	5.7	-49.4	136.8	-11.0	-216.5	-122.2	165.8
8	ok	0.10	0.3	2.91e-02	10.1	10.1	5.7	5.7	-117.6	36.9	70.6	66.0	540.3	232.7
102	ok	0.10	0.2	1.40e-02	10.1	10.1	5.7	5.7	-33.5	-75.4	22.6	-703.2	-125.6	403.5
104	ok	0.10	0.2	4.49e-02	10.1	10.1	5.7	5.7	-214.8	-55.3	-40.4	-512.1	-373.4	322.4
130	ok	0.10	0.4	1.61e-02	10.1	10.1	5.7	5.7	-4.7	109.1	15.3	-415.6	-438.4	264.2
131	ok	0.10	0.2	1.38e-02	10.1	10.1	5.7	5.7	-21.5	-58.8	40.5	-575.5	-159.2	469.7
132	ok	0.10	0.3	1.83e-02	10.1	10.1	5.7	5.7	-34.1	97.3	37.7	-500.8	-408.9	305.4
133	ok	0.10	0.2	1.24e-02	10.1	10.1	5.7	5.7	-9.6	-63.1	28.8	-506.6	-153.6	299.7

Nodo	x/d	V N/M	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N z	N o	N zo	M z	M o	M zo
	0.10	0.36	0.04	10.05	10.05	5.65	5.65	-214.84	-75.38	-40.38	-703.21	-438.42	165.83
								-4.75	136.82	70.57	65.98	540.32	469.66

Nodo	Stato	Max tau daN/cm2	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr daN/cm	V sec daN/cm
5	ok	1.96						
8	ok	1.91						
102	ok	1.24						
104	ok	1.25						
130	ok	1.96						
131	ok	1.24						
132	ok	1.91						
133	ok	1.25						

Nodo	Max tau 1.96	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr	V sec

Macro Guscio	Spessore	Id Materiale	Id Criterio	Progettazione
	cm			
6	30.00	1	2	Singolo elemento

Nodo	Stato	x/d	V N/M	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N x daN/cm	N y daN/cm	N xy daN/cm	M x daN	M y daN	M xy daN
99	ok	0.18	0.9	7.78e-03	10.1	12.1	10.1	12.1	-38.5	14.2	-0.7	-7089.2	-769.7	-3306.5
100	ok	0.17	0.8	1.55e-02	10.1	10.1	10.1	10.1	-13.1	-46.3	-1.9	-5950.4	-2106.1	-1688.4
101	ok	0.17	0.6	9.80e-03	10.1	10.1	10.1	10.1	-24.5	7.1	-23.0	-1421.0	-5220.4	-1432.7
102	ok	0.17	0.4	1.38e-02	10.1	10.1	10.1	10.1	-13.1	29.6	11.2	-3086.6	-562.8	364.3
103	ok	0.17	0.8	1.80e-02	10.1	10.1	10.1	10.1	5.2	-62.5	-25.8	1137.4	-8562.5	-1059.7
104	ok	0.17	0.5	5.84e-03	10.1	10.1	10.1	10.1	10.3	7.3	-6.6	-3180.6	-4413.5	344.8
105	ok	0.17	0.9	1.11e-02	10.1	10.1	10.1	10.1	-7.8	-26.3	-17.0	-6409.2	-1702.4	-4274.9
106	ok	0.17	0.8	4.21e-03	10.1	10.1	10.1	10.1	-9.9	-4.1	-9.3	-6490.9	-4524.7	-1967.5
107	ok	0.26	0.9	1.49e-02	23.5	10.1	23.5	10.1	-14.0	-46.8	32.5	-1.591e+04	-4811.2	7201.7
108	ok	0.18	0.8	5.15e-03	10.1	12.1	10.1	10.1	26.1	-21.1	-2.1	6352.8	266.6	-2202.7
109	ok	0.17	0.6	5.17e-03	10.1	10.1	10.1	10.1	-3.5	-24.7	4.2	-2321.5	-4690.9	1454.7
110	ok	0.17	0.6	2.66e-03	10.1	10.1	10.1	10.1	-4.1	-11.1	3.3	-3511.0	-4237.9	1709.3
111	ok	0.17	0.1	2.60e-02	10.1	10.1	10.1	10.1	-34.8	-95.6	22.3	905.5	-931.7	-379.6
112	ok	0.17	0.5	1.41e-02	10.1	10.1	10.1	10.1	17.8	48.6	38.7	-2985.9	-938.9	-1001.3
113	ok	0.17	0.4	2.09e-02	10.1	10.1	10.1	10.1	-66.3	-41.1	23.6	-2149.2	-543.5	-1781.1
115	ok	0.17	0.2	1.63e-02	10.1	10.1	10.1	10.1	22.6	-8.1	2.3	943.9	840.6	-525.3
117	ok	0.17	0.2	1.00e-02	10.1	10.1	10.1	10.1	-29.1	-23.8	-22.8	871.0	177.2	198.4
119	ok	0.17	0.3	5.93e-03	10.1	10.1	10.1	10.1	15.6	6.2	-24.5	-2060.4	-565.1	-288.9
121	ok	0.17	0.3	1.22e-02	10.1	10.1	10.1	10.1	26.8	62.1	9.4	-1974.8	-418.9	93.5
123	ok	0.17	0.2	7.26e-03	10.1	10.1	10.1	10.1	-25.0	-2.1	13.0	1016.3	440.0	479.1
125	ok	0.17	0.1	1.04e-02	10.1	10.1	10.1	10.1	-15.8	-12.6	15.3	745.1	295.4	349.3
127	ok	0.17	9.49e-02	4.88e-03	10.1	10.1	10.1	10.1	3.4	19.7	0.5	-83.3	-870.5	-69.3
129	ok	0.17	0.1	8.04e-03	10.1	10.1	10.1	10.1	0.5	-4.7	-10.5	-386.4	-331.3	-286.4
131	ok	0.17	0.3	1.03e-02	10.1	10.1	10.1	10.1	-17.8	9.4	-5.1	-2898.3	-443.1	22.4
133	ok	0.17	0.3	8.18e-03	10.1	10.1	10.1	10.1	-13.0	4.5	-12.9	-3038.4	-843.9	-140.4
134	ok	0.17	1.86e-02	1.96e-04	10.1	10.1	10.1	10.1	-0.7	0.4	-0.3	-4.2	-2.5	-4.5
135	ok	0.26	0.7	4.34e-03	23.5	10.1	23.5	10.1	0.7	19.1	-19.6	2875.7	2086.8	-4094.8
136	ok	0.17	0.2	2.42e-03	10.1	10.1	10.1	10.1	-10.6	0.7	2.1	1636.3	204.4	-1002.2
137	ok	0.17	0.2	1.46e-03	10.1	10.1	10.1	10.1	-5.7	-0.5	0.9	1526.9	127.5	-651.6
138	ok	0.17	0.2	1.34e-03	10.1	10.1	10.1	10.1	-4.8	-0.2	-0.8	896.5	-24.5	-482.8
139	ok	0.17	0.1	1.23e-03	10.1	10.1	10.1	10.1	-4.5	-0.2	-0.7	726.7	-15.3	-317.5
140	ok	0.17	8.91e-02	1.13e-03	10.1	10.1	10.1	10.1	-3.0	-0.1	-0.4	619.2	-13.0	-184.1
141	ok	0.17	7.05e-02	1.01e-03	10.1	10.1	10.1	10.1	-2.6	-8.09e-02	-0.5	570.9	-6.2	-117.3
142	ok	0.17	6.20e-02	8.71e-04	10.1	10.1	10.1	10.1	-2.1	-3.98e-02	-0.5	530.9	-2.4	-89.9
143	ok	0.17	5.53e-02	6.95e-04	10.1	10.1	10.1	10.1	-1.5	-1.51e-02	-0.5	438.5	-1.4	-81.0
144	ok	0.17	4.25e-02	4.79e-04	10.1	10.1	10.1	10.1	-1.8	3.34e-02	-0.5	260.6	-5.8	-63.2
145	ok	0.17	3.97e-02	2.67e-04	10.1	10.1	10.1	10.1	-0.6	0.4	-0.3	-16.3	166.7	-107.3
146	ok	0.17	5.71e-02	5.84e-04	10.1	10.1	10.1	10.1	-0.6	0.5	-0.3	-34.3	216.1	-213.2
147	ok	0.17	8.73e-02	1.29e-03	10.1	10.1	10.1	10.1	0.5	3.2	-0.8	154.9	192.7	-518.3
148	ok	0.17	0.4	2.34e-03	10.1	10.1	10.1	10.1	-3.3	-10.8	2.36e-02	307.8	1462.0	1071.6
149	ok	0.17	0.4	6.98e-04	10.1	10.1	10.1	10.1	-0.6	-2.0	-0.2	-110.8	-2458.3	1489.1
150	ok	0.17	9.78e-02	1.25e-03	10.1	10.1	10.1	10.1	-1.2	-1.5	7.61e-02	-164.4	579.7	222.8
151	ok	0.17	9.67e-02	1.82e-03	10.1	10.1	10.1	10.1	-9.89e-02	-2.4	0.2	-42.0	865.8	64.5
152	ok	0.17	9.92e-02	2.50e-03	10.1	10.1	10.1	10.1	-0.1	-4.7	4.05e-02	-37.5	878.3	-186.0
153	ok	0.17	0.1	3.45e-03	10.1	10.1	10.1	10.1	-0.7	-13.5	-0.5	171.6	609.5	-525.3
154	ok	0.17	0.4	5.01e-03	10.1	10.1	10.1	10.1	-5.7	-24.7	-0.7	-105.3	-1087.2	522.6
155	ok	0.17	0.4	4.57e-03	10.1	10.1	10.1	10.1	-0.9	3.6	-1.4	-339.6	-2948.3	1385.8
156	ok	0.17	0.1	4.80e-03	10.1	10.1	10.1	10.1	-0.5	-16.2	0.3	-72.1	1226.2	312.9
157	ok	0.17	0.2	4.45e-03	10.1	10.1	10.1	10.1	-0.1	-14.9	-2.81e-02	-59.0	1741.8	-47.1
158	ok	0.17	0.2	4.05e-03	10.1	10.1	10.1	10.1	-9.71e-02	-11.5	-0.1	-59.2	2038.8	-380.8
159	ok	0.17	0.3	4.54e-03	10.1	10.1	10.1	10.1	-0.6	-7.2	0.1	-18.9	2088.1	-812.4
160	ok	0.18	0.8	6.78e-03	10.1	12.1	10.1	10.1	-6.0	-25.8	-10.7	304.6	-2389.2	-4341.6
161	ok	0.18	0.9	6.18e-03	10.1	12.1	10.1	12.1	30.3	8.3	8.7	8663.5	1177.7	-1286.3
162	ok	0.17	0.3	3.26e-03	10.1	10.1	10.1	10.1	-3.8	0.3	-0.4	2294.6	34.6	-822.9
163	ok	0.17	0.2	4.30e-03	10.1	10.1	10.1	10.1	-12.7	0.3	-0.6	2091.7	-41.5	-430.9
164	ok	0.17	0.2	6.99e-03	10.1	10.1	10.1	10.1	13.4	-0.5	0.4	1920.6	151.1	-135.6
165	ok	0.17	0.7	9.06e-03	10.1	10.1	10.1	10.1	-14.2	20.5	-13.2	-4736.2	-394.7	-457.0
166	ok	0.17	0.5	1.03e-02	10.1	10.1	10.1	10.1	45.6	26.9	20.9	3835.8	355.7	-973.2
167	ok	0.17	0.2	1.33e-02	10.1	10.1	10.1	10.1	60.0	-0.5	-8.7	1309.7	276.0	370.3
168	ok	0.17	0.3	2.82e-02	10.1	10.1	10.1	10.1	37.6	-19.5	-19.7	2233.2	846.7	799.0
169	ok	0.18	0.9	1.73e-02	10.1	10.1	10.1	12.1	-49.3	-7.6	20.5	-6893.3	-1092.8	-707.9
170	ok	0.18	0.5	6.11e-03	10.1	12.1	10.1	10.1	9.7	19.5	-7.6	-366.4	1134.7	-3494.0
171	ok	0.17	0.3	4.92e-03	10.1	10.1	10.1	10.1	-8.5	1.5	-4.4	678.8	1911.7	1053.5
172	ok	0.17	0.3	8.61e-03	10.1	10.1	10.1	10.1	19.1	44.4	-2.5	39.8	952.8	-1274.8
173	ok	0.17	0.3	5.77e-03	10.1	10.1	10.1	10.1	12.0	18.6	10.0	648.8	332.1	977.0
174	ok	0.17	0.2	4.45e-03	10.1	10.1	10.1	10.1	8.3	9.3	15.9	-1870.6	-574.6	440.3
175	ok	0.17	0.4	1.14e-02	10.1	10.1	10.1	10.1	-15.8	-42.9	8.1	-578.7	739.1	1775.7
176	ok	0.17	0.2	6.78e-03	10.1	10.1	10.1	10.1	-0.5	-16.8	-2.0	197.7	1309.9	478.8
177	ok	0.17	0.2	4.42e-03	10.1	10.1	10.1	10.1	-0.4	-10.0	1.7	137.7	1582.0	-380.8
178	ok	0.17	0.2	3.14e-03	10.1	10.1	10.1	10.1	-0.2	-9.0	1.4	206.5	1399.2	-430.1
179	ok	0.17	0.2	2.93e-03	10.1	10.1	10.1	10.1	0.8	-9.9	-2.3	301.1	1206.6	-761.6

180	ok	0.17	0.6	4.99e-03	10.1	10.1	10.1	10.1	3.3	9.7	-0.5	368.8	4666.6	-1381.6
181	ok	0.17	0.4	6.09e-03	10.1	10.1	10.1	10.1	-4.8	-15.1	9.1	2898.6	1715.8	719.9
182	ok	0.17	0.2	2.87e-03	10.1	10.1	10.1	10.1	-2.2	-13.2	-3.3	121.6	1232.4	-924.3
183	ok	0.18	0.2	2.67e-03	10.1	12.1	10.1	10.1	1.5	-7.3	1.6	461.0	1442.5	-1275.3
184	ok	0.18	0.8	9.91e-03	10.1	12.1	10.1	12.1	-12.1	-24.0	-14.4	7265.7	2778.2	-3384.5
185	ok	0.17	0.2	3.69e-03	10.1	10.1	10.1	10.1	-1.4	-6.5	3.7	1048.2	1065.6	-675.1
186	ok	0.17	0.2	2.30e-03	10.1	10.1	10.1	10.1	-1.6	-9.3	3.7	1009.3	652.4	-940.5
187	ok	0.17	0.2	2.90e-03	10.1	10.1	10.1	10.1	-0.7	-6.7	2.6	794.6	1140.8	-445.1
188	ok	0.17	0.2	3.98e-03	10.1	10.1	10.1	10.1	-1.4	-11.8	5.37e-02	591.4	1209.9	345.3
189	ok	0.17	0.2	6.36e-03	10.1	10.1	10.1	10.1	-2.2	-12.6	-5.7	789.7	1036.0	530.0
190	ok	0.17	0.3	5.45e-03	10.1	10.1	10.1	10.1	-22.4	0.9	-11.2	1239.8	865.7	911.0
191	ok	0.17	0.2	2.71e-03	10.1	10.1	10.1	10.1	0.5	-7.4	-3.4	739.7	1709.4	-676.0
192	ok	0.17	0.2	2.84e-03	10.1	10.1	10.1	10.1	0.9	-9.2	-1.8	655.9	1474.4	-118.7
193	ok	0.17	0.1	2.91e-03	10.1	10.1	10.1	10.1	1.0	-9.8	0.3	684.2	941.1	414.3
194	ok	0.17	0.1	2.36e-03	10.1	10.1	10.1	10.1	-0.9	-4.4	-1.1	638.2	574.3	-529.0
195	ok	0.17	9.34e-02	1.90e-03	10.1	10.1	10.1	10.1	-0.3	-3.2	2.1	401.2	718.5	-290.9
196	ok	0.17	7.66e-02	1.40e-03	10.1	10.1	10.1	10.1	-0.3	-1.6	1.6	376.4	715.4	58.2
197	ok	0.17	9.84e-02	1.16e-03	10.1	10.1	10.1	10.1	8.80e-02	-0.4	2.1	502.1	437.2	374.5
198	ok	0.17	0.1	9.76e-04	10.1	10.1	10.1	10.1	-0.9	-3.0	-0.2	531.5	-461.7	-562.8
199	ok	0.17	6.41e-02	8.51e-04	10.1	10.1	10.1	10.1	-2.0	0.2	0.1	536.6	38.2	-167.7
200	ok	0.17	6.61e-02	1.04e-03	10.1	10.1	10.1	10.1	-2.0	-0.6	0.4	542.3	126.9	-156.3
201	ok	0.17	7.91e-02	1.19e-03	10.1	10.1	10.1	10.1	-3.0	-0.5	0.5	520.0	211.4	-301.9
202	ok	0.17	0.1	1.33e-03	10.1	10.1	10.1	10.1	-3.8	-0.9	0.7	646.2	315.9	-510.3
203	ok	0.17	0.2	1.47e-03	10.1	10.1	10.1	10.1	-5.0	-1.1	1.2	838.7	426.3	-782.7
204	ok	0.17	0.2	1.65e-03	10.1	10.1	10.1	10.1	-4.9	-1.8	2.8	1358.2	480.5	-818.8
205	ok	0.17	0.1	7.65e-03	10.1	10.1	10.1	10.1	6.1	-24.5	14.5	863.4	-787.1	-0.3
206	ok	0.17	0.2	6.24e-03	10.1	10.1	10.1	10.1	-6.0	-7.6	-14.4	235.1	-397.4	-1189.5
207	ok	0.17	0.2	7.57e-03	10.1	10.1	10.1	10.1	-17.9	-1.5	12.7	1214.4	-2069.3	-604.7
208	ok	0.17	0.5	8.66e-03	10.1	10.1	10.1	10.1	5.4	-2.8	1.0	3225.4	1156.0	1302.9
209	ok	0.17	0.2	7.69e-03	10.1	10.1	10.1	10.1	-10.2	-17.2	-16.4	813.2	-2012.7	845.3
210	ok	0.17	0.3	4.48e-03	10.1	10.1	10.1	10.1	16.0	-3.0	-10.8	1762.8	459.6	-1527.9
211	ok	0.17	0.2	2.59e-03	10.1	10.1	10.1	10.1	0.9	-5.2	3.3	1000.4	-376.2	-648.6
212	ok	0.17	0.3	2.61e-03	10.1	10.1	10.1	10.1	-4.6	-1.8	4.2	2061.3	539.8	-892.2
213	ok	0.17	0.2	4.82e-03	10.1	10.1	10.1	10.1	-2.2	-6.5	5.4	1010.3	837.3	-1327.7
214	ok	0.17	7.23e-02	7.23e-04	10.1	10.1	10.1	10.1	-0.8	-1.1	-0.2	413.1	116.5	-314.1
215	ok	0.17	6.07e-02	6.36e-04	10.1	10.1	10.1	10.1	-1.4	0.6	-0.6	465.0	29.7	-188.3
216	ok	0.17	0.2	3.11e-03	10.1	10.1	10.1	10.1	-7.40e-02	-8.8	2.3	983.4	-274.7	1016.1
217	ok	0.17	0.2	2.30e-03	10.1	10.1	10.1	10.1	-0.7	-8.2	3.4	819.7	-853.5	-1644.8
218	ok	0.17	0.2	9.08e-04	10.1	10.1	10.1	10.1	0.2	0.8	1.6	1257.8	-387.7	994.9
219	ok	0.17	0.3	5.35e-03	10.1	10.1	10.1	10.1	-7.9	-10.4	-9.3	-1456.4	-70.3	-1808.7
220	ok	0.17	0.2	1.21e-03	10.1	10.1	10.1	10.1	-5.65e-02	-2.9	-0.2	1092.1	-629.9	-398.0
221	ok	0.17	0.3	6.05e-03	10.1	10.1	10.1	10.1	20.1	1.3	3.38e-02	2200.9	451.1	-156.2
222	ok	0.17	0.3	2.52e-03	10.1	10.1	10.1	10.1	-0.5	-5.0	-3.6	880.0	1674.9	-1299.0
223	ok	0.17	0.2	3.30e-03	10.1	10.1	10.1	10.1	-5.9	0.3	-6.9	1867.3	487.3	-768.8
224	ok	0.17	0.4	1.03e-02	10.1	10.1	10.1	10.1	11.5	-31.9	21.8	1051.7	-3615.5	1073.2
225	ok	0.17	0.5	2.78e-03	10.1	10.1	10.1	10.1	4.2	5.1	0.8	4055.5	-114.6	-668.7
226	ok	0.17	0.6	3.73e-03	10.1	10.1	10.1	10.1	0.9	2.6	-10.5	2325.9	768.2	-953.0
227	ok	0.17	0.5	1.26e-03	10.1	10.1	10.1	10.1	2.5	4.0	-3.1	3710.5	75.6	-1026.5
228	ok	0.17	0.4	2.71e-03	10.1	10.1	10.1	10.1	-0.6	-1.49e-03	-5.9	2939.0	526.6	-609.0
231	ok	0.18	0.4	7.51e-03	10.1	10.1	10.1	12.1	-18.8	-6.7	16.1	-3901.1	-1135.4	9.2
232	ok	0.17	5.45e-02	3.95e-04	10.1	10.1	10.1	10.1	-0.8	-1.1	-0.2	343.5	110.1	-225.6
233	ok	0.18	0.3	1.66e-03	10.1	12.1	10.1	10.1	-1.4	-0.2	-3.3	1533.5	1068.0	-1978.4
234	ok	0.17	0.3	9.77e-03	10.1	10.1	10.1	10.1	-37.2	4.9	-16.9	-1347.9	343.9	-368.7
235	ok	0.17	7.27e-02	1.36e-03	10.1	10.1	10.1	10.1	-3.0	-0.9	0.5	412.9	178.6	-233.2
236	ok	0.17	9.27e-02	1.48e-03	10.1	10.1	10.1	10.1	-2.5	-2.6	2.0	660.9	292.7	-280.4
237	ok	0.17	7.27e-02	1.22e-03	10.1	10.1	10.1	10.1	-1.0	-0.5	2.3	681.8	533.4	21.8
238	ok	0.17	0.1	2.58e-03	10.1	10.1	10.1	10.1	-1.0	-4.5	2.5	1016.0	849.7	-299.4
239	ok	0.17	8.40e-02	1.28e-03	10.1	10.1	10.1	10.1	-1.0	-1.1	3.1	731.6	540.2	-132.6
240	ok	0.17	0.1	3.29e-03	10.1	10.1	10.1	10.1	-1.4	-4.6	3.9	827.1	1027.0	-314.8
241	ok	0.17	0.1	1.51e-03	10.1	10.1	10.1	10.1	-3.2	-3.1	2.9	888.1	478.6	-532.0
242	ok	0.17	0.1	1.95e-03	10.1	10.1	10.1	10.1	3.7	-5.9	-2.5	1229.4	1049.3	-145.1
243	ok	0.17	6.42e-02	1.13e-03	10.1	10.1	10.1	10.1	-2.1	-0.6	0.5	546.5	103.1	-107.6
244	ok	0.17	0.1	3.93e-03	10.1	10.1	10.1	10.1	-2.8	-7.2	-0.8	964.4	776.5	322.0
245	ok	0.17	0.1	1.56e-03	10.1	10.1	10.1	10.1	-0.7	-1.6	3.6	929.5	315.1	-230.5
246	ok	0.17	0.2	2.01e-03	10.1	10.1	10.1	10.1	-1.8	-4.3	2.9	1104.7	487.2	-707.2
247	ok	0.17	8.55e-02	1.01e-03	10.1	10.1	10.1	10.1	-0.9	-0.1	1.9	758.5	284.7	128.7
248	ok	0.17	0.1	1.79e-03	10.1	10.1	10.1	10.1	3.6	-5.8	0.6	1269.5	615.3	158.6
249	ok	0.17	0.1	6.33e-03	10.1	10.1	10.1	10.1	16.2	-18.3	-5.3	1140.1	-404.5	-85.9
250	ok	0.17	0.2	1.57e-03	10.1	10.1	10.1	10.1	-3.2	-3.3	3.8	1233.9	614.6	-723.7
251	ok	0.17	7.27e-02	8.53e-04	10.1	10.1	10.1	10.1	-1.4	0.4	-0.7	604.8	36.7	-149.3
252	ok	0.17	0.2	4.67e-03	10.1	10.1	10.1	10.1	-0.6	-3.8	4.4	1039.8	683.5	268.7
253	ok	0.17	0.1	1.21e-02	10.1	10.1	10.1	10.1	28.4	-35.2	-16.6	699.7	-726.8	-299.1
254	ok	0.17	9.41e-02	6.49e-04	10.1	10.1	10.1	10.1	-0.7	-1.1	-0.3	706.4	-168.2	-338.7
255	ok	0.17	0.2	1.91e-03	10.1	10.1	10.1	10.1	1.2	-2.0	-1.6	1539.4	173.5	-201.1
256	ok	0.17	0.2	1.84e-03	10.1	10.1	10.1	10.1	1.7	2.8	1.6	1641.5	306.0	265.7
257	ok	0.17	0.1	8.43e-04	10.1	10.1	10.1	10.1	2.30e-02	-1.5	-0.3	1283.0	-157.7	-157.2
258	ok	0.17	0.2	1.66e-03	10.1	10.1	10.1	10.1	0.6	-3.74e-02	1.0	1987.4	531.8	-381.1

259	ok	0.17	0.1	8.62e-04	10.1	10.1	10.1	10.1	-0.8	3.1	-0.6	1176.2	-136.1	-151.3
260	ok	0.17	0.2	1.94e-03	10.1	10.1	10.1	10.1	-4.1	-5.5	2.5	852.5	979.1	-870.8
261	ok	0.17	0.2	5.53e-03	10.1	10.1	10.1	10.1	10.6	-18.2	-1.0	1355.4	-674.7	108.2
262	ok	0.17	0.2	1.80e-03	10.1	10.1	10.1	10.1	1.8	-3.8	3.3	1480.3	-242.6	52.3
263	ok	0.17	0.2	2.28e-03	10.1	10.1	10.1	10.1	2.3	-4.5	-5.4	1346.6	1205.4	-488.5
264	ok	0.17	0.2	2.11e-03	10.1	10.1	10.1	10.1	1.6	3.5	1.5	1920.2	-736.8	-222.5
265	ok	0.17	0.2	2.29e-03	10.1	10.1	10.1	10.1	-2.2	-5.5	-1.1	1753.0	637.2	-594.2
266	ok	0.17	0.1	7.82e-04	10.1	10.1	10.1	10.1	-0.7	0.5	0.5	972.3	-426.4	-77.8
268	ok	0.17	0.2	2.69e-03	10.1	10.1	10.1	10.1	0.4	-1.1	-8.6	1584.9	823.2	-530.6
270	ok	0.17	0.2	7.28e-03	10.1	10.1	10.1	10.1	-4.2	-6.2	-7.5	1898.5	435.0	76.0
271	ok	0.17	0.2	3.42e-03	10.1	10.1	10.1	10.1	0.7	-9.82e-02	-4.5	1682.4	543.4	-1.9
272	ok	0.17	0.2	2.05e-03	10.1	10.1	10.1	10.1	-3.2	-5.3	2.5	856.9	852.2	-1227.6
273	ok	0.17	7.11e-02	6.03e-04	10.1	10.1	10.1	10.1	-0.8	-1.2	-0.2	484.5	-130.4	-263.7
274	ok	0.17	0.2	2.48e-03	10.1	10.1	10.1	10.1	-0.3	-2.6	-6.6	1552.1	1132.4	-807.6
275	ok	0.17	7.84e-02	2.70e-03	10.1	10.1	10.1	10.1	-4.7	-1.0	-1.4	-336.1	206.8	-329.0
276	ok	0.17	8.26e-02	1.19e-03	10.1	10.1	10.1	10.1	-1.7	1.0	2.9	783.1	505.1	11.9
277	ok	0.17	7.61e-02	1.11e-03	10.1	10.1	10.1	10.1	-1.8	0.6	2.3	700.3	491.6	-18.8
278	ok	0.17	0.1	2.01e-03	10.1	10.1	10.1	10.1	-3.1	-2.7	-3.2	822.2	800.8	-163.9
279	ok	0.17	0.1	2.45e-03	10.1	10.1	10.1	10.1	-2.0	-3.6	3.1	779.6	828.4	-256.4
280	ok	0.17	9.55e-02	2.33e-03	10.1	10.1	10.1	10.1	1.2	-1.5	1.6	738.0	-98.8	167.4
281	ok	0.17	0.1	2.65e-03	10.1	10.1	10.1	10.1	-1.0	-3.4	2.8	885.7	843.0	225.2
282	ok	0.17	0.1	1.66e-03	10.1	10.1	10.1	10.1	-2.8	-4.4	3.7	690.2	349.7	-510.0
283	ok	0.17	0.1	1.27e-03	10.1	10.1	10.1	10.1	-1.9	-0.5	0.9	922.7	320.6	77.8
284	ok	0.17	8.30e-02	1.27e-03	10.1	10.1	10.1	10.1	-1.2	-0.5	1.4	680.9	-154.4	-26.4
285	ok	0.17	0.1	1.46e-03	10.1	10.1	10.1	10.1	-2.6	-6.95e-02	-1.9	870.0	712.3	-188.3
286	ok	0.17	9.08e-02	1.02e-03	10.1	10.1	10.1	10.1	-1.6	-1.0	1.4	751.8	217.1	-91.1
287	ok	0.17	0.1	1.72e-03	10.1	10.1	10.1	10.1	7.1	-2.8	1.6	1378.3	436.2	19.2
288	ok	0.17	0.1	2.62e-03	10.1	10.1	10.1	10.1	8.6	-4.2	-8.4	945.6	-532.5	102.9
289	ok	0.17	0.1	1.11e-03	10.1	10.1	10.1	10.1	1.9	0.6	5.0	1387.8	-74.6	114.1
290	ok	0.17	0.2	2.49e-03	10.1	10.1	10.1	10.1	7.9	-3.6	-2.4	1375.0	730.4	-159.8
291	ok	0.17	0.1	2.46e-03	10.1	10.1	10.1	10.1	-0.1	-3.6	2.8	721.0	546.3	241.7
292	ok	0.17	0.1	8.42e-04	10.1	10.1	10.1	10.1	-1.7	0.6	0.5	865.2	-289.1	-61.0
293	ok	0.17	0.2	1.61e-03	10.1	10.1	10.1	10.1	1.2	1.3	-0.3	1369.8	-688.9	-28.4
294	ok	0.17	0.1	1.23e-03	10.1	10.1	10.1	10.1	-1.3	-0.2	1.1	1069.4	158.0	157.8
295	ok	0.17	0.1	4.08e-03	10.1	10.1	10.1	10.1	-7.4	-1.1	8.6	628.4	264.6	453.3
296	ok	0.17	0.2	1.23e-03	10.1	10.1	10.1	10.1	-1.1	0.8	-0.6	1295.2	-479.2	-36.2
297	ok	0.17	0.2	1.27e-03	10.1	10.1	10.1	10.1	4.7	-1.1	4.2	1416.9	103.9	108.0
298	ok	0.17	9.83e-02	9.39e-04	10.1	10.1	10.1	10.1	-1.4	2.4	1.0	810.7	-88.6	-111.6
299	ok	0.17	0.2	1.68e-03	10.1	10.1	10.1	10.1	-2.5	-3.5	1.7	1211.0	238.4	-460.0
300	ok	0.17	0.1	8.02e-04	10.1	10.1	10.1	10.1	-2.0	0.4	-0.5	812.6	-287.7	-85.2
301	ok	0.17	0.2	3.57e-03	10.1	10.1	10.1	10.1	-8.4	-7.9	-3.7	1589.7	596.8	124.8
302	ok	0.17	0.2	7.33e-03	10.1	10.1	10.1	10.1	-16.4	-10.2	-3.0	1764.8	370.2	114.3
303	ok	0.17	9.17e-02	8.52e-04	10.1	10.1	10.1	10.1	-1.4	-0.9	0.9	723.5	-128.6	-91.5
304	ok	0.17	0.2	1.51e-03	10.1	10.1	10.1	10.1	-4.1	-2.8	2.0	783.0	545.8	-839.5
305	ok	0.17	9.80e-02	7.91e-03	10.1	10.1	10.1	10.1	-5.1	2.3	17.2	361.0	273.4	356.4
306	ok	0.17	0.2	2.81e-03	10.1	10.1	10.1	10.1	5.8	-2.5	-6.9	1444.5	854.4	-360.1
307	ok	0.17	7.52e-02	1.12e-03	10.1	10.1	10.1	10.1	-2.7	2.8	2.5	611.9	556.9	125.5
308	ok	0.17	9.59e-02	1.80e-03	10.1	10.1	10.1	10.1	-1.4	0.8	2.6	740.6	651.6	77.3
309	ok	0.17	6.01e-02	1.08e-03	10.1	10.1	10.1	10.1	-2.5	1.8	1.8	554.4	537.2	-12.8
310	ok	0.17	9.91e-02	1.58e-03	10.1	10.1	10.1	10.1	-2.8	2.5	-2.7	703.7	688.3	-135.7
311	ok	0.17	0.2	2.67e-03	10.1	10.1	10.1	10.1	6.7	-1.8	-12.3	438.9	-1651.4	-51.4
312	ok	0.17	0.1	1.47e-03	10.1	10.1	10.1	10.1	1.5	5.4	5.8	1108.3	-255.7	203.5
313	ok	0.17	0.1	1.81e-03	10.1	10.1	10.1	10.1	-1.2	1.3	3.1	686.1	796.7	307.7
314	ok	0.17	0.3	3.88e-03	10.1	10.1	10.1	10.1	-13.0	-1.9	-5.4	-1526.4	-567.3	-377.1
315	ok	0.17	0.3	2.19e-03	10.1	10.1	10.1	10.1	5.8	4.0	-4.2	2319.9	217.7	-847.8
316	ok	0.17	9.21e-02	1.14e-03	10.1	10.1	10.1	10.1	-2.4	3.9	3.1	740.4	345.0	254.0
317	ok	0.17	0.2	2.74e-03	10.1	10.1	10.1	10.1	-7.6	-0.2	-5.9	-1288.4	-1342.1	-151.6
318	ok	0.17	8.13e-02	1.37e-03	10.1	10.1	10.1	10.1	-2.7	0.7	0.3	626.1	-438.8	-93.3
319	ok	0.17	0.1	4.75e-03	10.1	10.1	10.1	10.1	-5.0	9.5	-4.0	-395.6	-685.8	552.1
320	ok	0.17	0.1	1.18e-03	10.1	10.1	10.1	10.1	-0.6	3.5	-2.2	714.1	899.7	-283.0
321	ok	0.17	7.54e-02	1.09e-03	10.1	10.1	10.1	10.1	-1.7	-0.3	-0.7	614.3	394.5	79.5
322	ok	0.17	0.1	2.54e-03	10.1	10.1	10.1	10.1	3.6	-4.6	-1.5	1088.5	464.4	112.4
323	ok	0.17	0.1	1.73e-03	10.1	10.1	10.1	10.1	-0.4	1.1	-5.0	-880.3	-281.1	-567.6
324	ok	0.17	0.1	9.68e-04	10.1	10.1	10.1	10.1	1.1	-4.1	1.7	-889.8	-685.8	524.1
325	ok	0.17	0.1	1.21e-03	10.1	10.1	10.1	10.1	2.6	-1.1	-0.7	866.4	316.9	-115.2
326	ok	0.17	0.1	2.04e-03	10.1	10.1	10.1	10.1	5.7	-2.7	2.3	1100.4	349.1	155.7
327	ok	0.17	0.1	1.13e-03	10.1	10.1	10.1	10.1	-1.3	5.2	4.2	937.0	-34.1	315.5
328	ok	0.17	9.37e-02	6.04e-03	10.1	10.1	10.1	10.1	-5.1	1.1	7.4	184.3	141.6	549.9
329	ok	0.17	0.3	8.89e-03	10.1	10.1	10.1	10.1	7.3	-11.2	1.7	2466.4	673.8	216.4
330	ok	0.17	0.1	1.35e-03	10.1	10.1	10.1	10.1	3.1	-0.5	-0.6	960.1	24.7	-156.0
331	ok	0.17	0.2	2.24e-03	10.1	10.1	10.1	10.1	1.63e-02	-0.1	-0.5	-984.9	-469.0	-832.8
332	ok	0.17	0.1	3.56e-03	10.1	10.1	10.1	10.1	3.9	-3.9	-1.3	1175.6	510.7	93.2
333	ok	0.17	0.3	5.32e-03	10.1	10.1	10.1	10.1	-18.2	9.1	-3.8	-2413.6	-475.7	-11.2
334	ok	0.17	7.45e-02	1.12e-03	10.1	10.1	10.1	10.1	-3.5	2.7	-1.0	504.4	423.6	43.1
335	ok	0.17	9.48e-02	1.40e-03	10.1	10.1	10.1	10.1	-1.6	1.2	2.8	627.2	452.2	110.4
336	ok	0.17	8.35e-02	1.18e-03	10.1	10.1	10.1	10.1	-3.3	3.7	0.8	295.2	704.9	200.3
337	ok	0.17	9.10e-02	1.32e-03	10.1	10.1	10.1	10.1	-2.6	2.4	0.6	643.4	380.1	66.9

338	ok	0.17	8.69e-02	1.42e-03	10.1	10.1	10.1	10.1	-1.6	1.8	2.4	539.1	360.1	195.6
339	ok	0.17	9.41e-02	1.36e-03	10.1	10.1	10.1	10.1	-2.9	5.6	1.2	266.4	451.2	419.2
340	ok	0.17	0.1	1.28e-03	10.1	10.1	10.1	10.1	0.5	2.2	-1.3	762.7	599.0	-149.2
341	ok	0.17	8.32e-02	1.58e-03	10.1	10.1	10.1	10.1	-0.3	3.5	-2.5	582.0	499.2	-108.0
342	ok	0.17	0.3	2.44e-03	10.1	10.1	10.1	10.1	-2.0	7.0	-2.0	1294.0	2078.3	-1003.7
343	ok	0.17	0.1	1.61e-03	10.1	10.1	10.1	10.1	-3.6	-0.4	0.3	-383.9	-643.7	-560.6
344	ok	0.17	0.2	2.09e-03	10.1	10.1	10.1	10.1	4.7	7.7	-0.5	-613.2	446.2	750.1
345	ok	0.17	0.1	2.46e-03	10.1	10.1	10.1	10.1	-7.3	7.5	-1.6	-118.2	-815.5	553.6
346	ok	0.17	0.4	2.07e-03	10.1	10.1	10.1	10.1	6.8	0.9	-1.8	3185.7	525.3	453.5
347	ok	0.17	0.2	3.62e-03	10.1	10.1	10.1	10.1	8.6	-8.3	5.5	1608.1	545.4	276.8
348	ok	0.17	0.2	5.21e-03	10.1	10.1	10.1	10.1	5.2	-10.8	-5.0	1615.2	629.1	132.7
349	ok	0.17	0.3	4.99e-03	10.1	10.1	10.1	10.1	-11.3	18.1	-7.6	-2444.7	-893.9	-232.6
350	ok	0.17	0.3	4.64e-03	10.1	10.1	10.1	10.1	-0.3	15.0	-7.2	-1715.2	-1116.9	-65.0
351	ok	0.17	0.2	3.36e-03	10.1	10.1	10.1	10.1	8.4	-6.8	1.5	1751.9	570.8	177.2

Nodo	x/d	V N/M	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N x	N y	N xy	M x	M y	M xy
								-66.27	-95.56	-25.82-1.591e+04	-8562.50	-4341.60	
	0.26	0.94	0.03	23.46	12.06	23.46	12.06	60.02	62.12	38.71 8663.52	4666.60	7201.75	

Nodo	Stato	Max tau daN/cm2	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr daN/cm	V sec daN/cm
99	ok	3.66						
100	ok	2.67						
101	ok	2.31						
102	ok	1.62						
103	ok	2.28						
104	ok	2.03						
105	ok	3.12						
106	ok	2.75						
107	ok	4.38						
108	ok	2.84						
109	ok	2.01						
110	ok	1.75						
111	ok	1.01						
112	ok	1.85						
113	ok	2.67						
115	ok	2.67						
117	ok	1.24						
119	ok	0.83						
121	ok	1.31						
123	ok	1.84						
125	ok	1.37						
127	ok	0.73						
129	ok	1.04						
131	ok	1.62						
133	ok	1.94						
134	ok	0.12						
135	ok	4.38						
136	ok	1.29						
137	ok	0.77						
138	ok	0.60						
139	ok	0.47						
140	ok	0.35						
141	ok	0.25						
142	ok	0.18						
143	ok	0.14						
144	ok	0.12						
145	ok	0.20						
146	ok	0.35						
147	ok	1.08						
148	ok	1.75						
149	ok	1.48						
150	ok	1.01						
151	ok	0.31						
152	ok	0.31						
153	ok	1.14						
154	ok	1.61						
155	ok	2.01						
156	ok	1.28						
157	ok	0.68						
158	ok	0.69						
159	ok	2.26						
160	ok	2.84						
161	ok	2.84						
162	ok	1.97						
163	ok	0.82						

164	ok	1.16
165	ok	2.13
166	ok	2.67
167	ok	1.24
168	ok	1.85
169	ok	3.66
170	ok	3.66
171	ok	1.77
172	ok	2.23
173	ok	2.31
174	ok	1.26
175	ok	2.28
176	ok	1.10
177	ok	0.67
178	ok	0.97
179	ok	1.92
180	ok	3.12
181	ok	2.32
182	ok	1.44
183	ok	1.52
184	ok	4.38
185	ok	1.44
186	ok	1.92
187	ok	0.97
188	ok	0.67
189	ok	1.10
190	ok	1.84
191	ok	0.69
192	ok	0.68
193	ok	1.28
194	ok	1.14
195	ok	0.31
196	ok	0.31
197	ok	1.01
198	ok	1.08
199	ok	0.18
200	ok	0.25
201	ok	0.35
202	ok	0.47
203	ok	0.60
204	ok	0.77
205	ok	2.31
206	ok	2.23
207	ok	2.31
208	ok	3.66
209	ok	2.28
210	ok	1.26
211	ok	1.61
212	ok	1.29
213	ok	1.52
214	ok	0.35
215	ok	0.14
216	ok	2.01
217	ok	3.12
218	ok	1.48
219	ok	2.32
220	ok	1.75
221	ok	1.16
222	ok	2.26
223	ok	0.82
224	ok	2.28
225	ok	2.01
226	ok	3.12
227	ok	1.75
228	ok	1.97
231	ok	4.38
232	ok	0.20
233	ok	2.84
234	ok	2.13
235	ok	0.36
236	ok	0.41
237	ok	0.16
238	ok	0.24
239	ok	0.15
240	ok	0.22
241	ok	0.41
242	ok	0.29

243	ok	0.22
244	ok	0.32
245	ok	0.36
246	ok	0.42
247	ok	0.31
248	ok	0.46
249	ok	0.55
250	ok	0.37
251	ok	0.17
252	ok	0.56
253	ok	0.73
254	ok	0.45
255	ok	0.96
256	ok	0.95
257	ok	0.93
258	ok	1.19
259	ok	1.06
260	ok	0.36
261	ok	0.56
262	ok	0.96
263	ok	0.36
264	ok	1.19
265	ok	0.95
266	ok	1.06
268	ok	0.63
270	ok	0.92
271	ok	0.92
272	ok	0.40
273	ok	0.16
274	ok	0.51
275	ok	1.11
276	ok	0.20
277	ok	0.23
278	ok	0.29
279	ok	0.26
280	ok	0.88
281	ok	0.55
282	ok	1.11
283	ok	0.30
284	ok	0.63
285	ok	0.52
286	ok	0.26
287	ok	0.50
288	ok	0.84
289	ok	0.47
290	ok	0.55
291	ok	0.84
292	ok	0.35
293	ok	1.11
294	ok	0.39
295	ok	0.74
296	ok	1.11
297	ok	0.49
298	ok	0.30
299	ok	0.94
300	ok	0.35
301	ok	1.01
302	ok	1.31
303	ok	0.22
304	ok	0.81
305	ok	0.73
306	ok	0.63
307	ok	0.23
308	ok	0.30
309	ok	0.24
310	ok	0.32
311	ok	2.03
312	ok	0.78
313	ok	0.81
314	ok	2.75
315	ok	2.75
316	ok	0.57
317	ok	2.60
318	ok	0.76
319	ok	1.44
320	ok	1.03
321	ok	0.64

322	ok	0.81
323	ok	2.03
324	ok	1.67
325	ok	0.66
326	ok	0.81
327	ok	0.77
328	ok	1.04
329	ok	1.62
330	ok	0.76
331	ok	2.75
332	ok	0.95
333	ok	1.62
334	ok	0.28
335	ok	0.30
336	ok	0.26
337	ok	0.32
338	ok	0.81
339	ok	0.71
340	ok	0.64
341	ok	1.03
342	ok	2.52
343	ok	2.52
344	ok	2.03
345	ok	1.93
346	ok	2.60
347	ok	1.49
348	ok	1.06
349	ok	1.94
350	ok	1.94
351	ok	1.28

Nodo	Max tau 4.38	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr	V sec

Macro Guscio	Spessore	Id Materiale	Id Criterio	Progettazione
	cm			
7	30.00	1	2	Singolo elemento

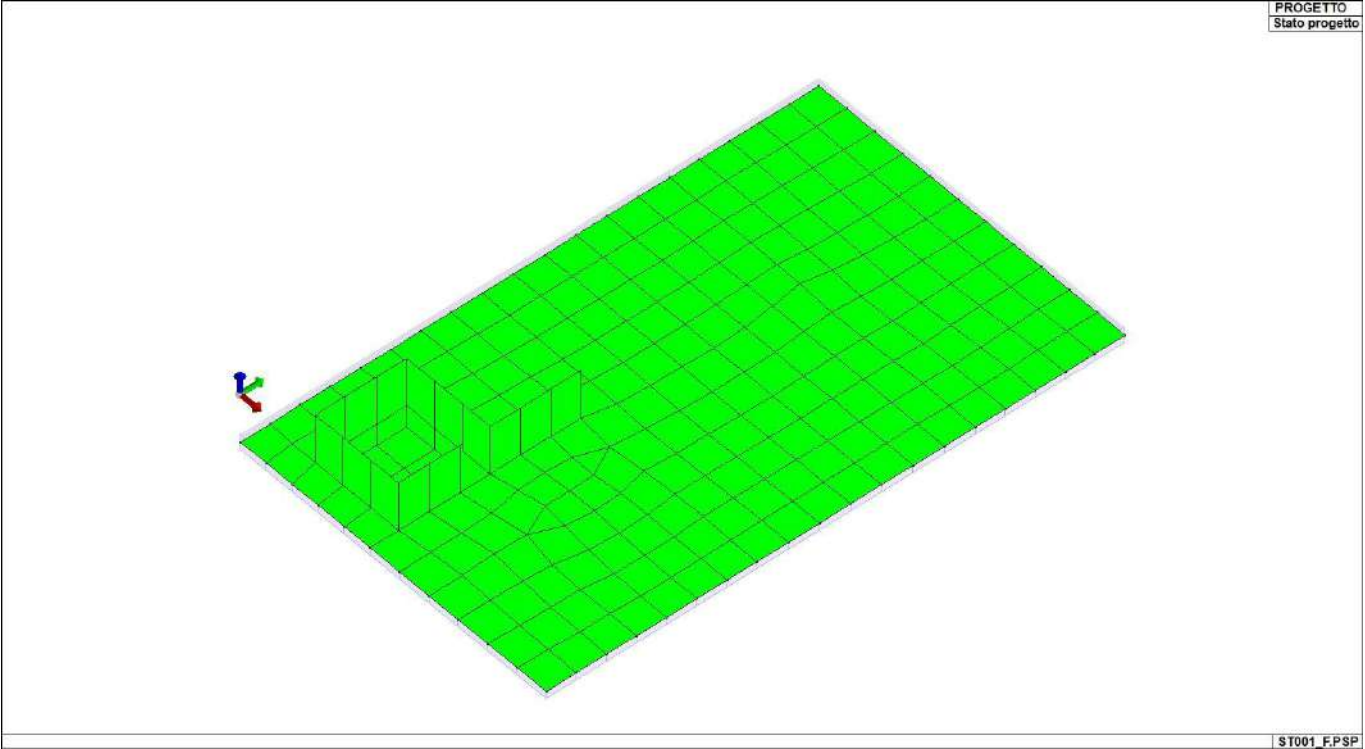
Nodo	Stato	x/d	V N/M	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N x daN/cm	N y daN/cm	N xy daN/cm	M x daN	M y daN	M xy daN
229	ok	0.17	9.27e-02	7.21e-03	10.1	10.1	10.1	10.1	-1.0	-2.7	22.5	273.2	299.1	-470.0
230	ok	0.17	7.74e-02	6.91e-03	10.1	10.1	10.1	10.1	-1.6	-6.31e-02	16.9	325.1	274.5	-208.0
267	ok	0.17	8.45e-02	7.76e-03	10.1	10.1	10.1	10.1	0.9	-3.2	17.6	236.5	341.2	-214.6
269	ok	0.17	8.57e-02	7.61e-03	10.1	10.1	10.1	10.1	0.1	-2.5	16.6	275.5	319.0	-382.4
352	ok	0.17	7.11e-02	6.08e-03	10.1	10.1	10.1	10.1	0.9	-2.7	3.5	-3.9	-12.1	-123.5
353	ok	0.17	6.69e-02	4.35e-03	10.1	10.1	10.1	10.1	-0.7	8.2	10.8	-107.5	-127.4	36.9
354	ok	0.17	7.15e-02	8.82e-03	10.1	10.1	10.1	10.1	24.7	14.6	29.8	282.9	206.4	-207.4
355	ok	0.17	7.47e-02	6.23e-03	10.1	10.1	10.1	10.1	-6.3	-14.8	-3.0	-166.1	-31.3	-86.7
356	ok	0.17	9.73e-02	8.40e-03	10.1	10.1	10.1	10.1	-2.4	4.5	3.4	-164.2	-173.0	-145.3
357	ok	0.17	0.1	6.93e-03	10.1	10.1	10.1	10.1	20.7	4.1	33.2	290.8	-0.7	-291.9
358	ok	0.17	9.49e-02	1.03e-02	10.1	10.1	10.1	10.1	4.3	-16.5	17.9	-141.7	90.4	-55.6
359	ok	0.17	9.63e-02	1.17e-02	10.1	10.1	10.1	10.1	12.5	-9.1	9.4	-53.0	126.3	-192.4
360	ok	0.17	0.1	9.29e-03	10.1	10.1	10.1	10.1	-25.8	-23.1	-21.3	-168.7	113.7	160.4
361	ok	0.17	0.1	9.07e-03	10.1	10.1	10.1	10.1	-16.6	16.3	30.4	-201.0	-127.5	-157.4
362	ok	0.17	7.08e-02	6.52e-03	10.1	10.1	10.1	10.1	-7.9	2.1	19.6	47.2	-179.1	-80.0
363	ok	0.17	6.80e-02	6.67e-03	10.1	10.1	10.1	10.1	0.9	4.4	9.8	74.1	-108.6	-181.2

Nodo	x/d	V N/M	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N x daN/cm	N y daN/cm	N xy daN/cm	M x daN	M y daN	M xy daN
	0.17	0.11	0.01	10.05	10.05	10.05	10.05	-25.82	-23.09	-21.35	-200.97	-179.06	-470.03
								24.65	16.34	33.23	325.11	341.24	160.37

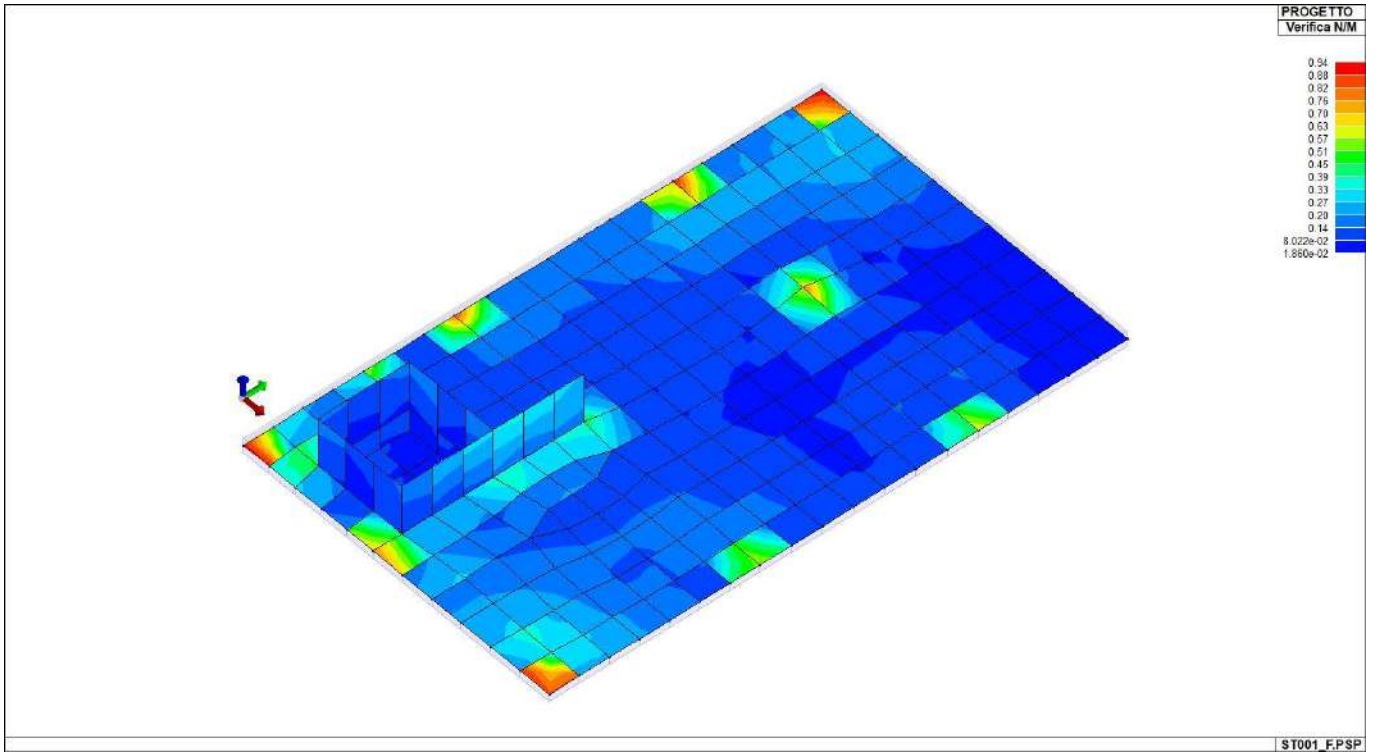
Nodo	Stato	Max tau daN/cm2	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr daN/cm	V sec daN/cm
229	ok	0.81						
230	ok	0.49						
267	ok	0.38						
269	ok	0.63						
352	ok	0.63						
353	ok	0.49						
354	ok	0.81						
355	ok	0.36						

356	ok	0.38
357	ok	0.81
358	ok	0.37
359	ok	0.63
360	ok	0.81
361	ok	0.49
362	ok	0.49
363	ok	0.63

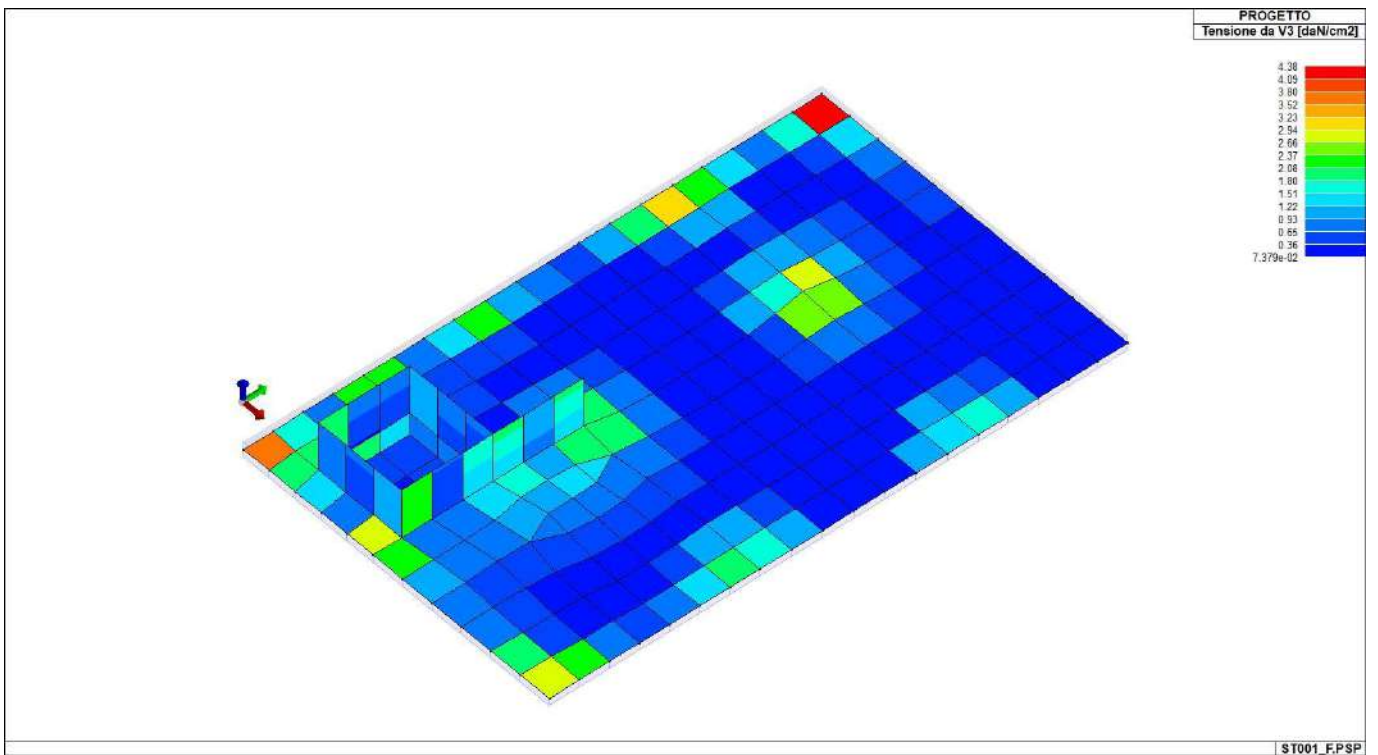
Nodo		Max tau	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr	V sec
		0.81						



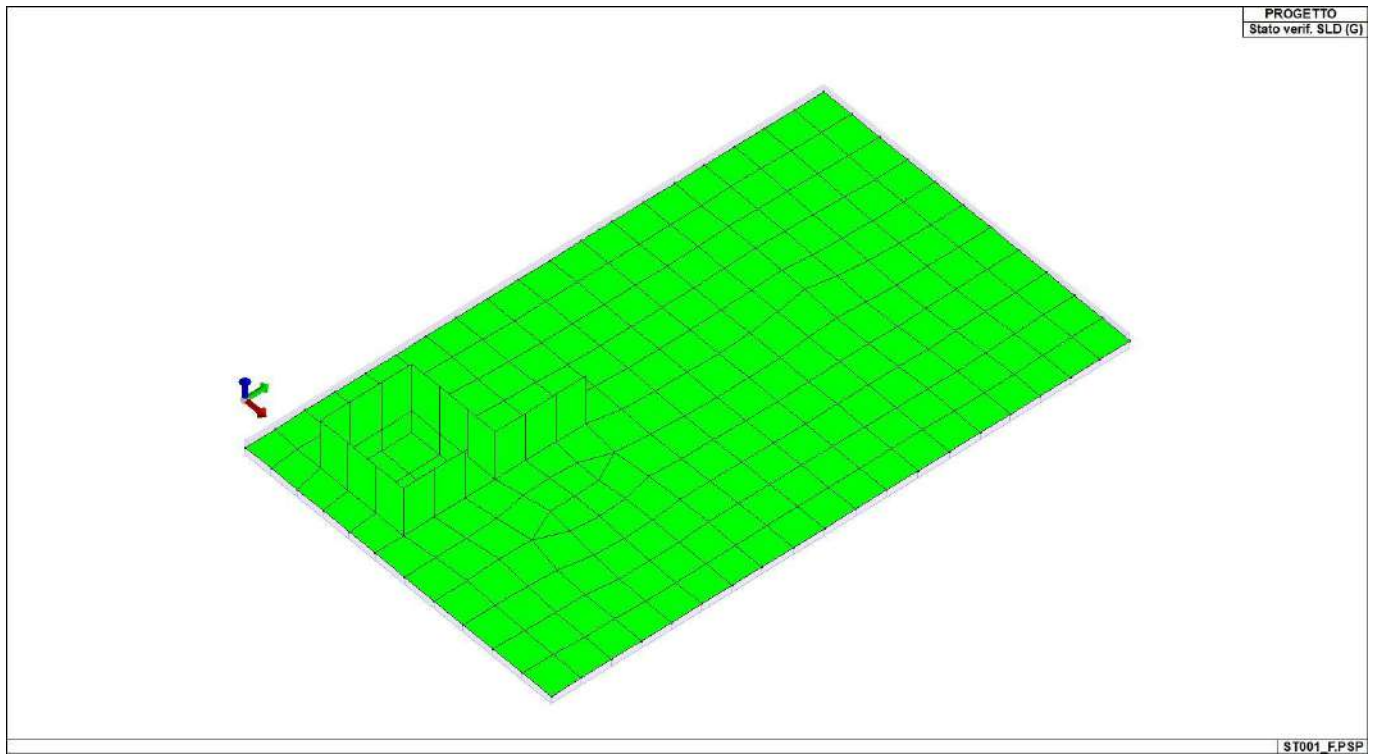
72_CA_D3_01_Stato progetto



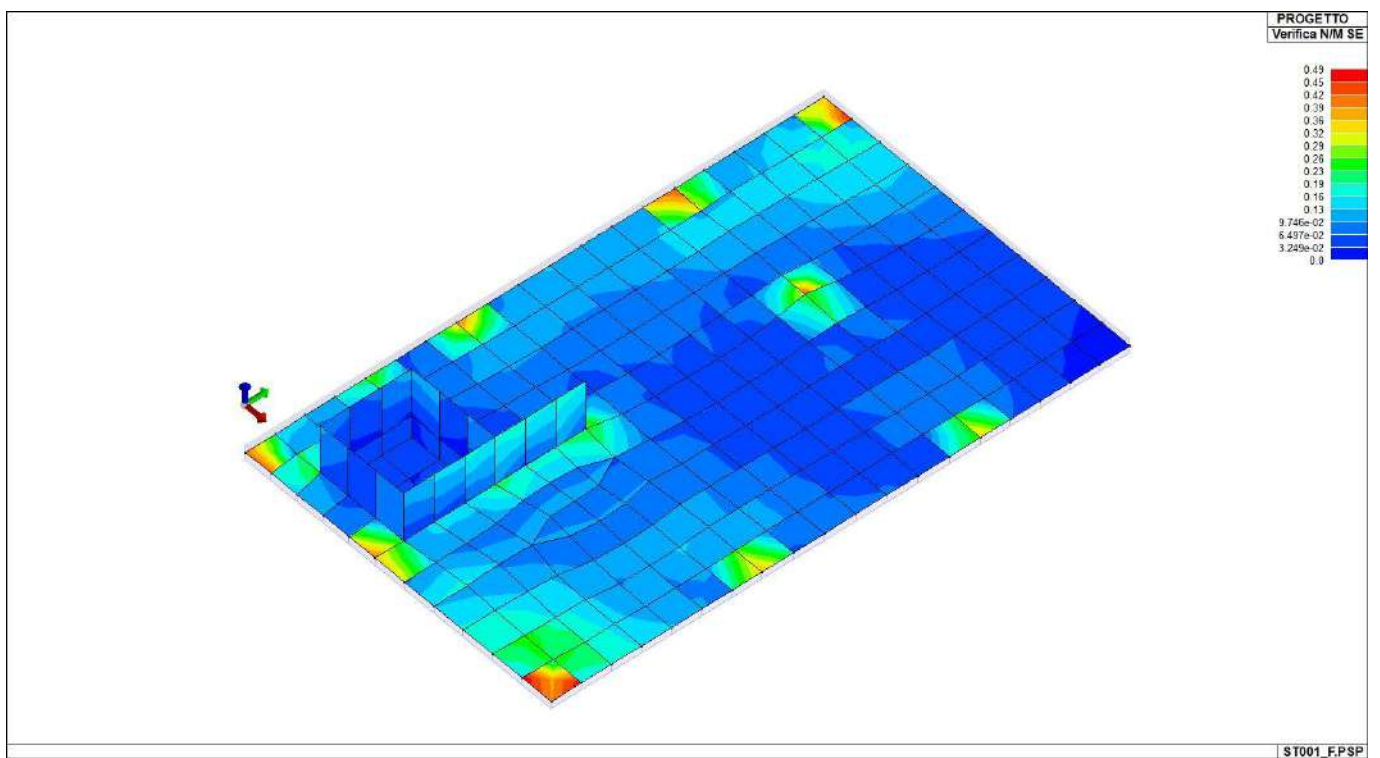
72_CA_D3_02_Verifica NM



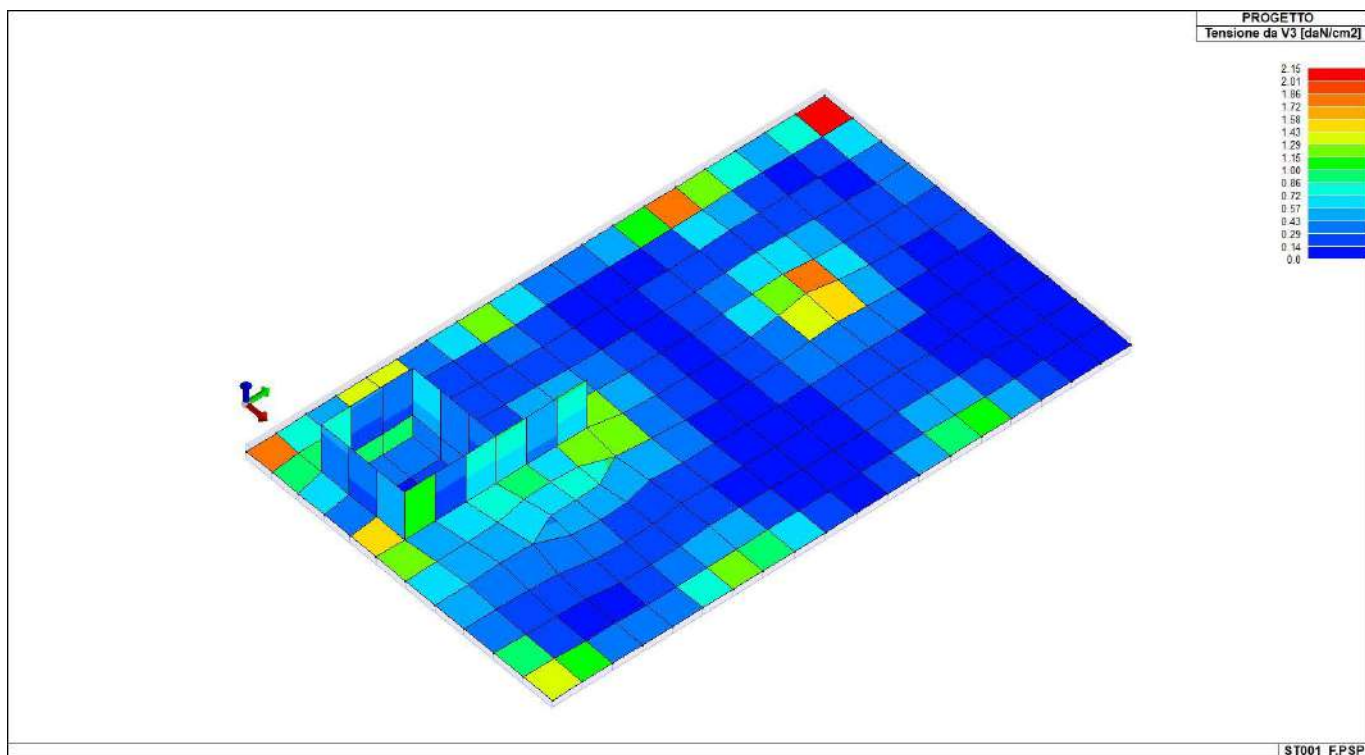
72_CA_D3_05_Tensione da V3



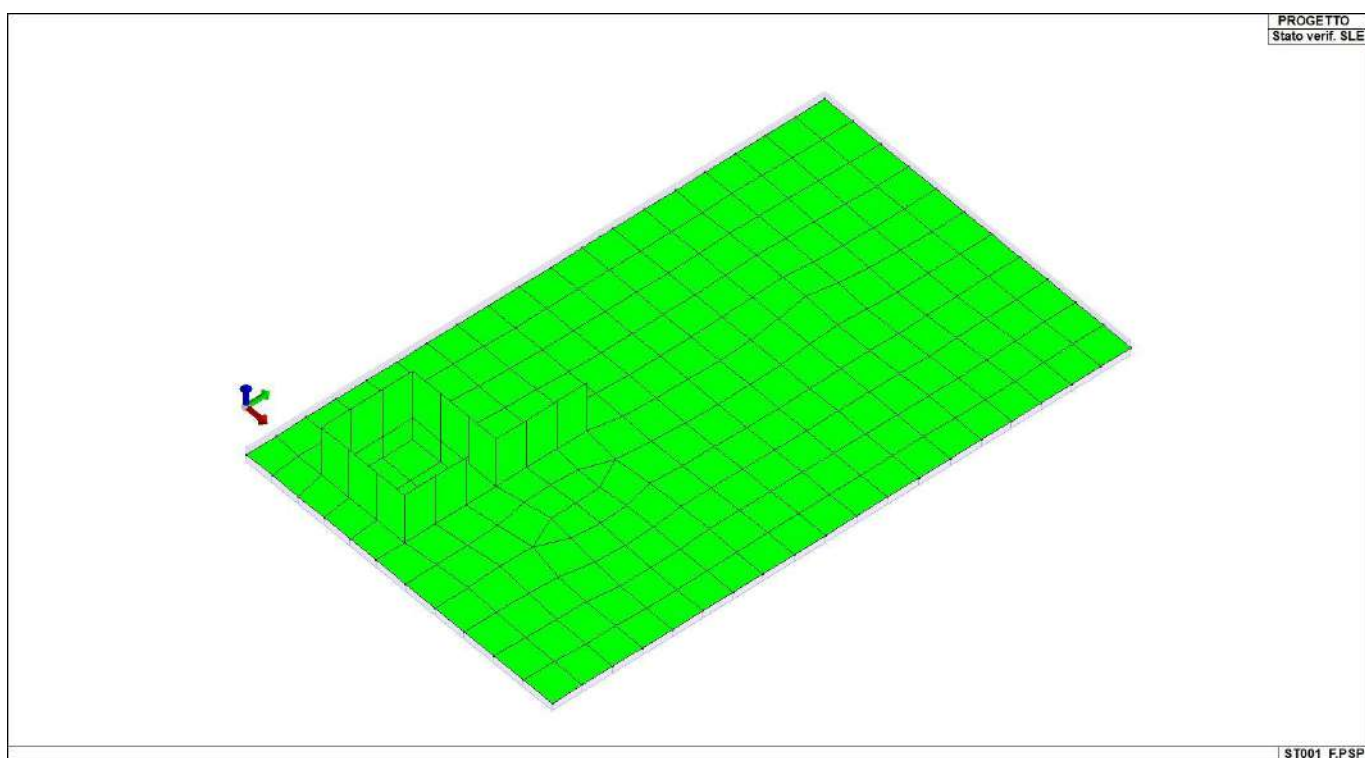
72_CA_D3_12_Stato verif SLD G



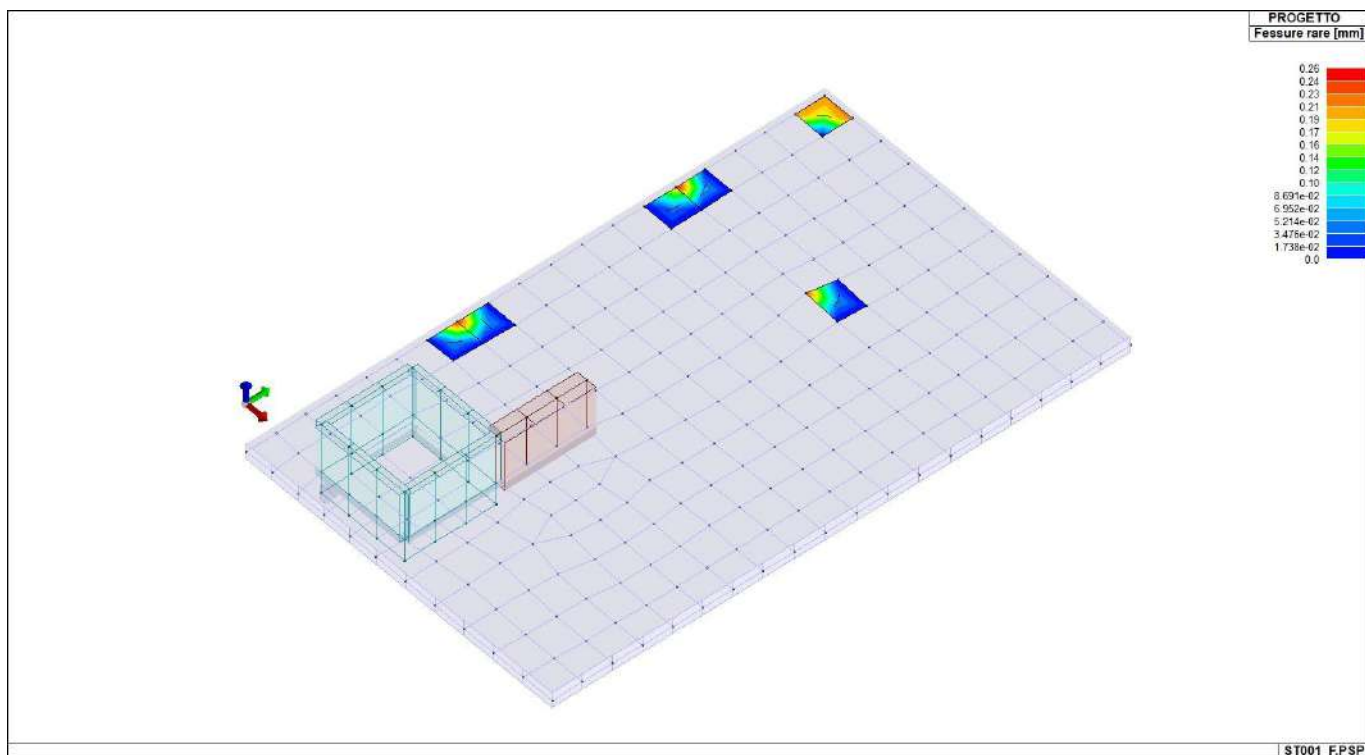
72_CA_D3_13_Verifica NM SE



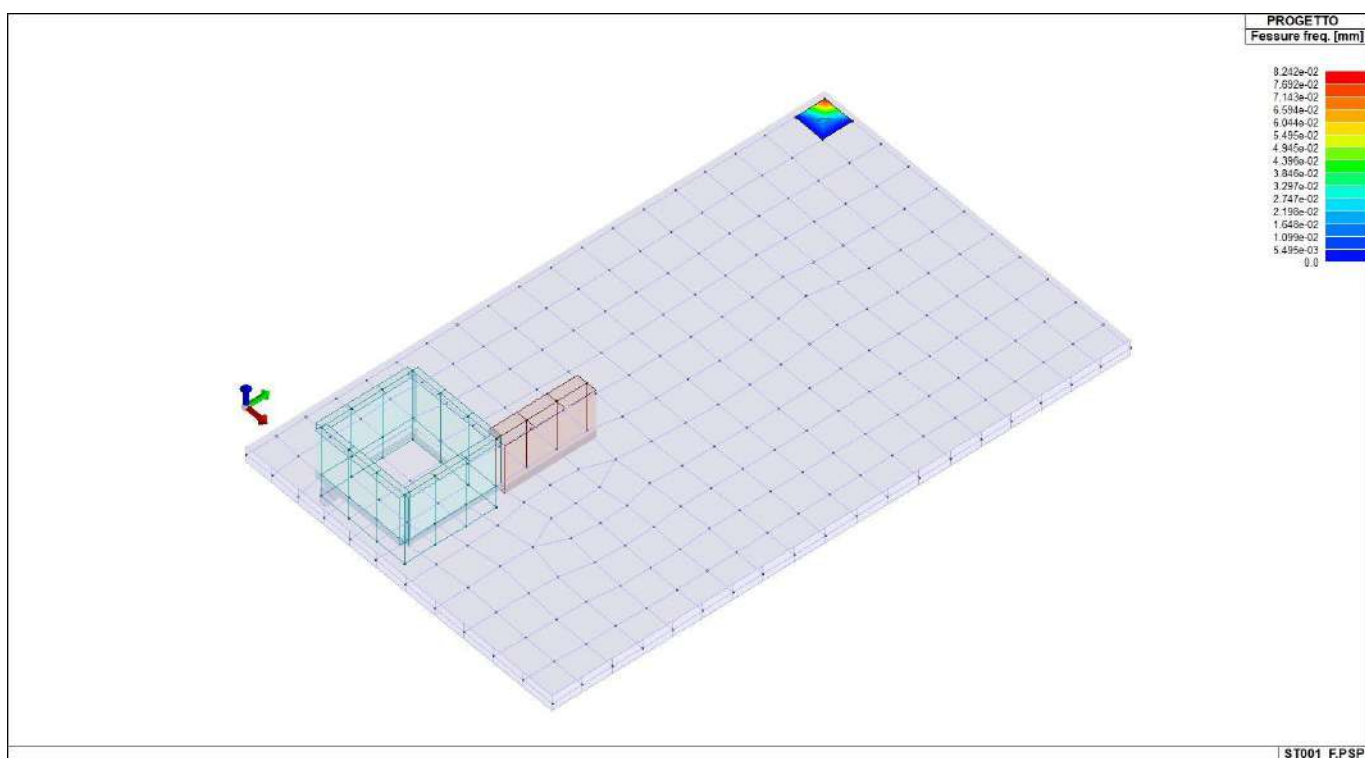
72_CA_D3_14_Tensione da V3



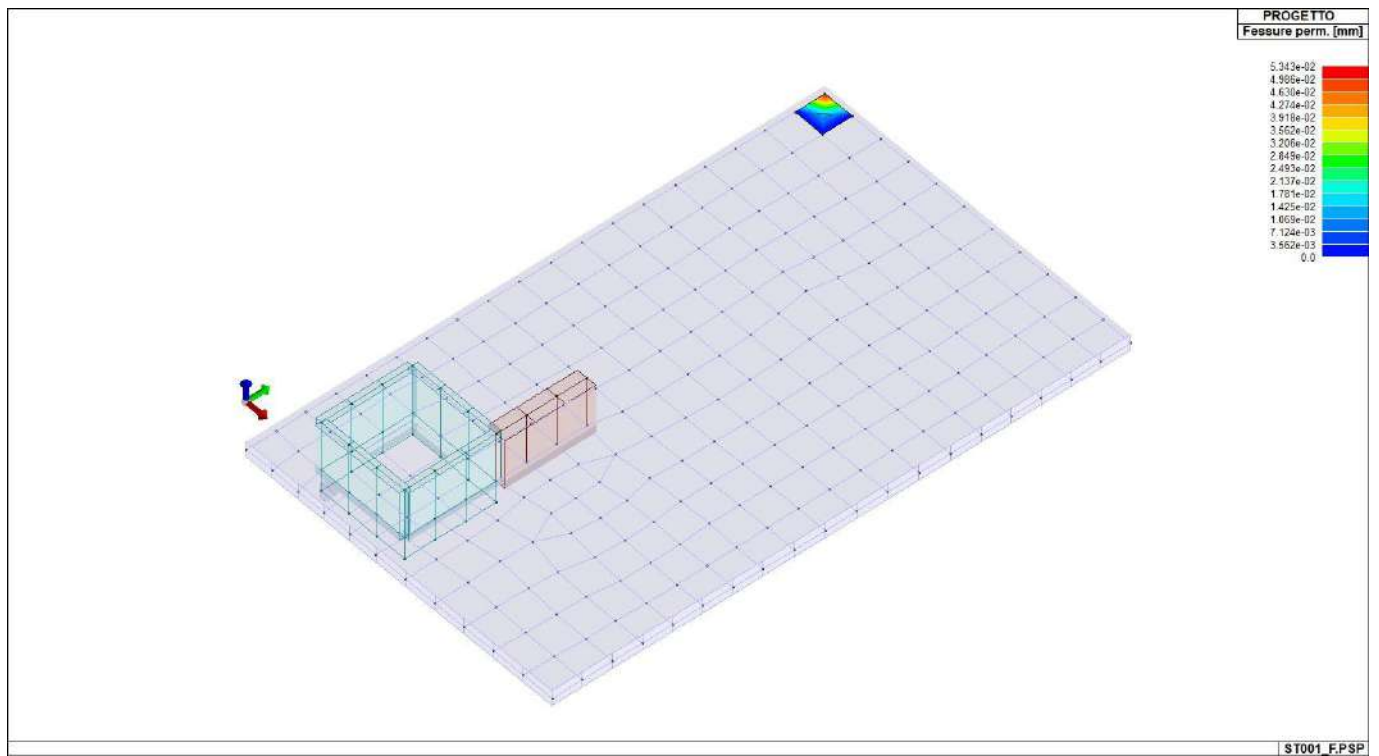
72_CA_D3_17_Stato verif SLE



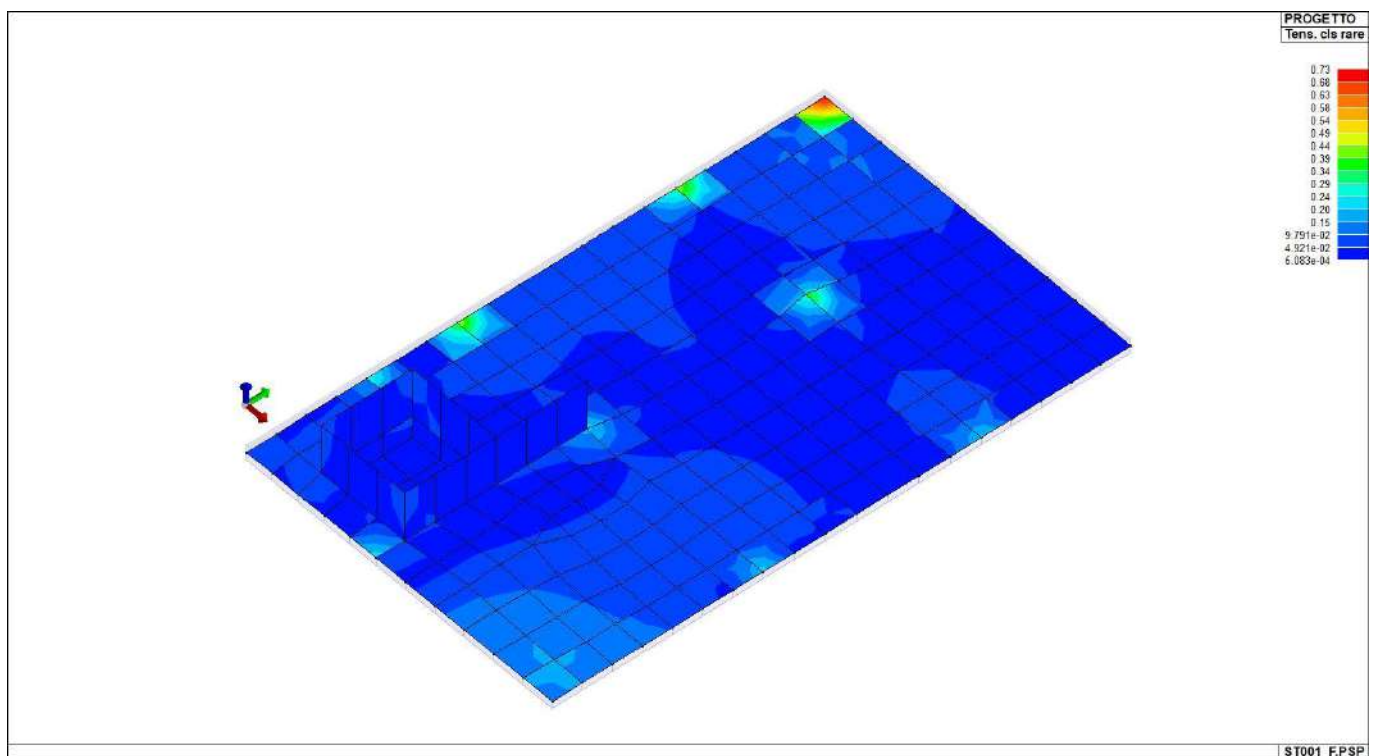
72_CA_D3_18_Fessure rare



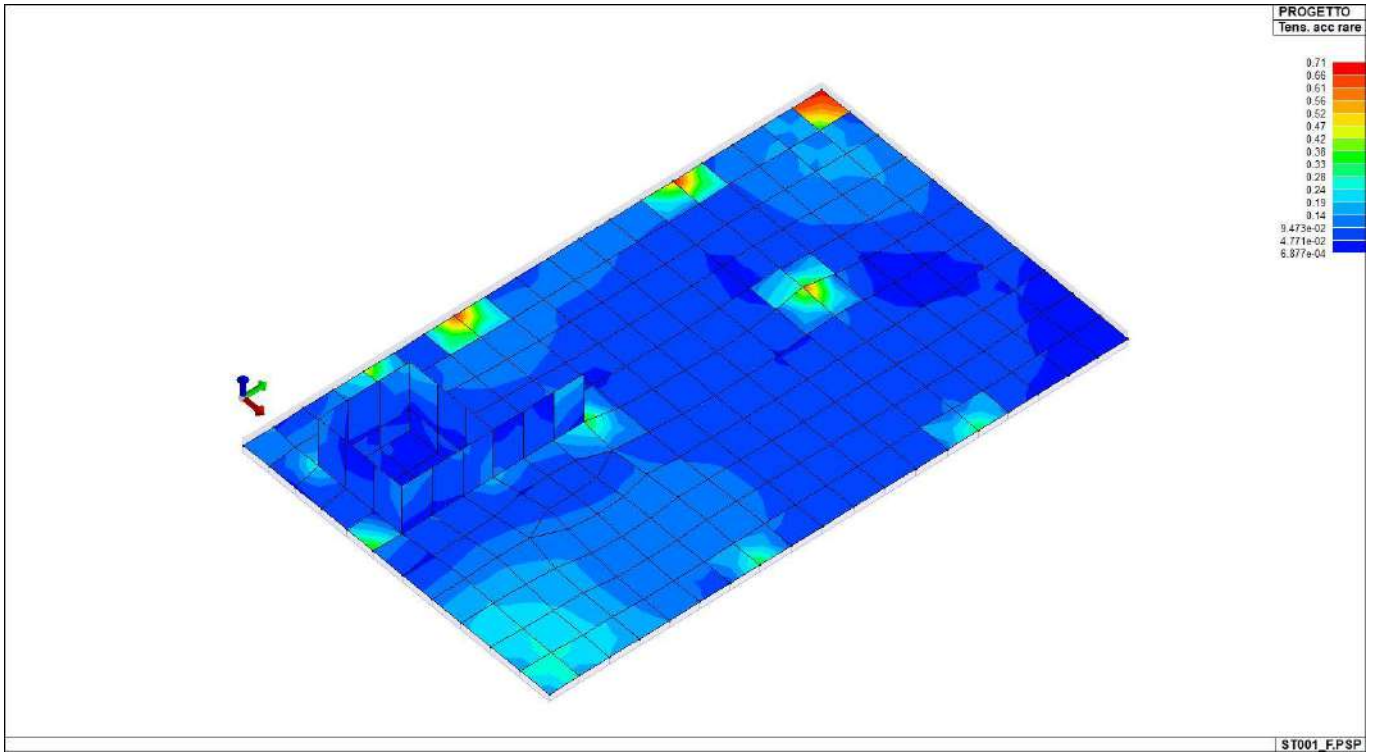
72_CA_D3_19_Fessure freq



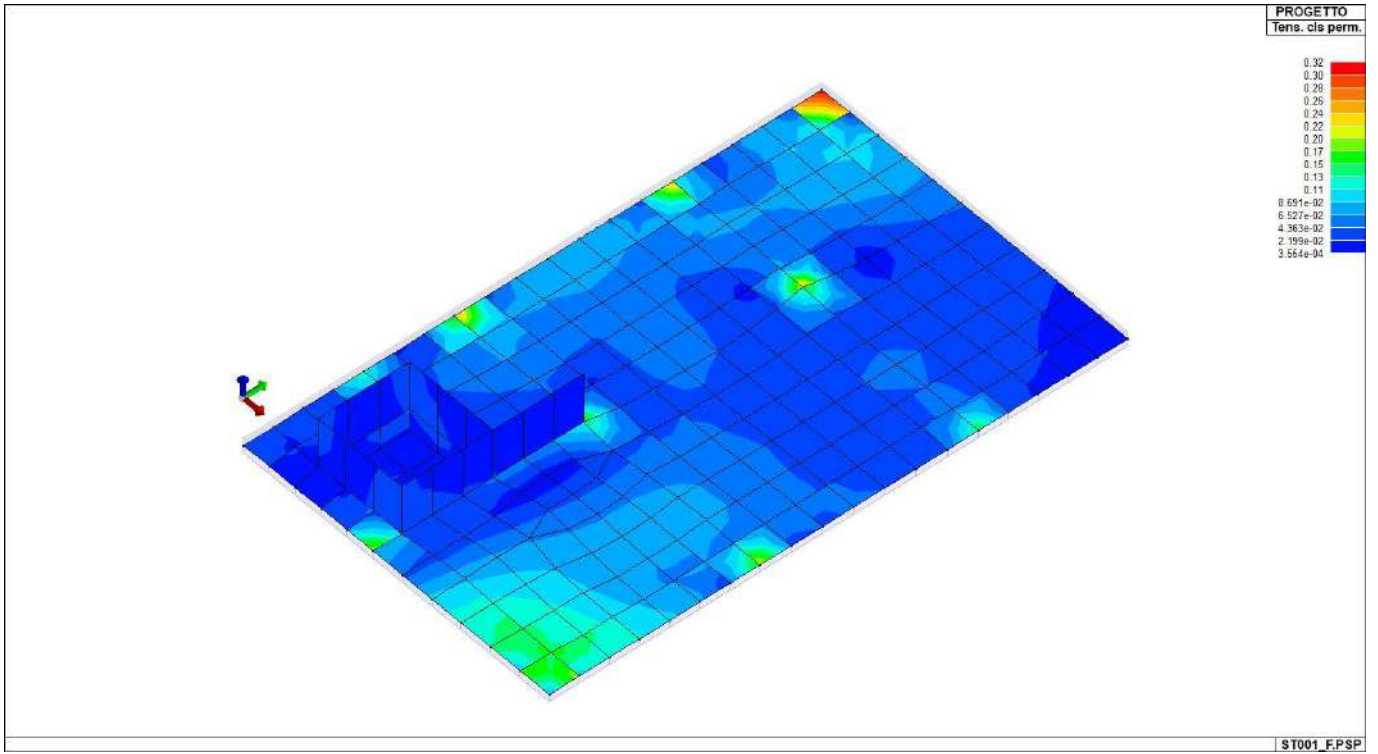
72_CA_D3_20_Fessure perm



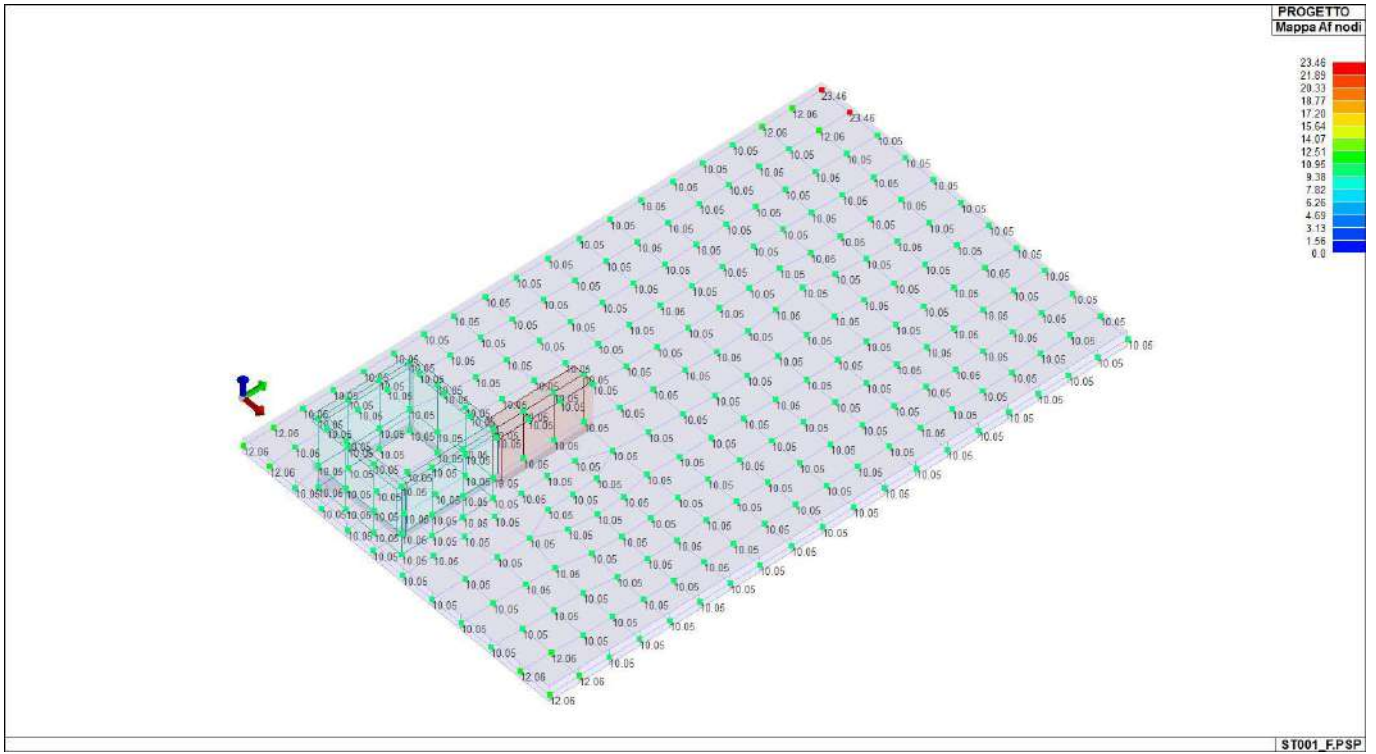
72_CA_D3_21_Tens cls rare



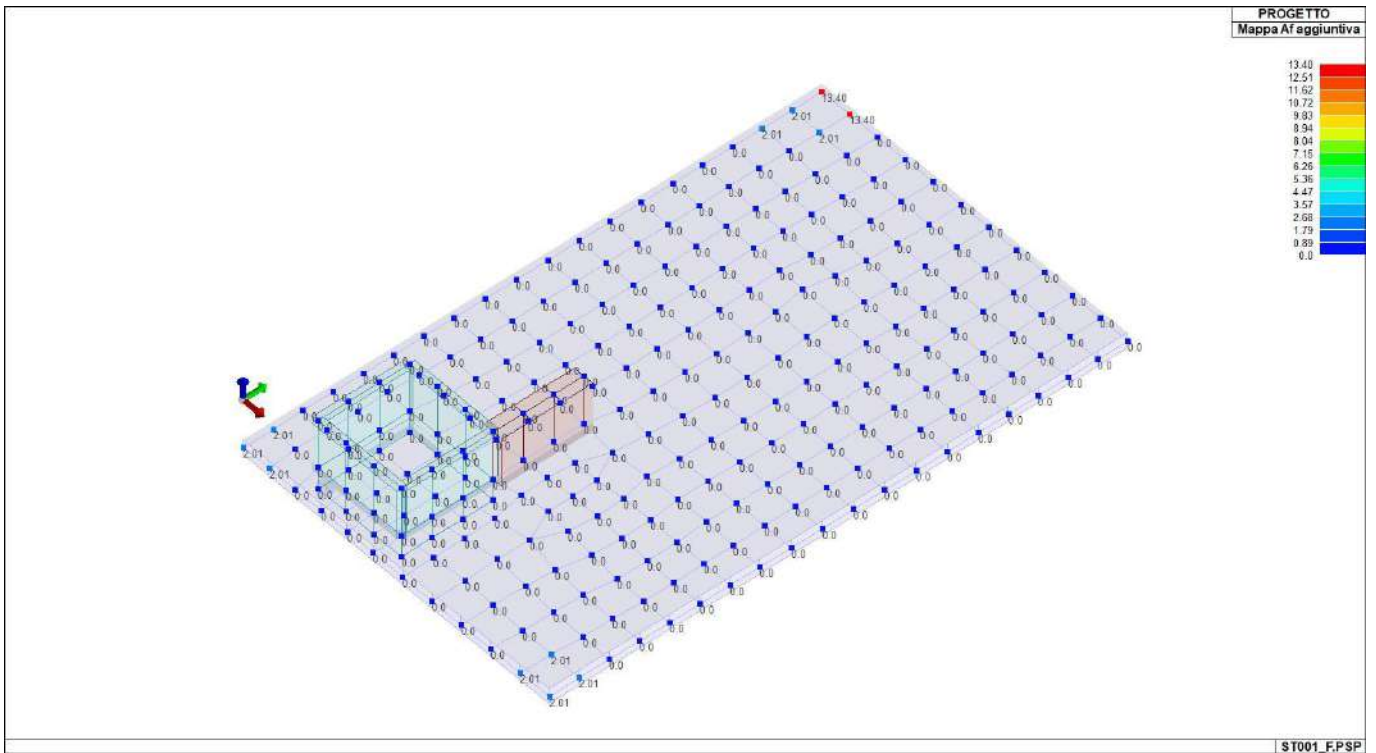
72_CA_D3_22_Tens acc rare



72_CA_D3_23_Tens cls perm



72_CA_D3_25_Mappa Af nodi



72_CA_D3_26_Mappa Af aggiuntiva

STATI LIMITE D' ESERCIZIO

LEGENDA TABELLA STATI LIMITE D' ESERCIZIO

In tabella vengono riportati i valori di interesse per il controllo degli stati limite d'esercizio.

In particolare vengono riportati, in relazione al tipo di elemento strutturale, i risultati relativi alle tre categorie di combinazione considerate:

- Combinazioni rare
- Combinazioni frequenti
- Combinazioni quasi permanenti.

I valori di interesse sono i seguenti:

rRfck	rapporto tra la massima compressione nel calcestruzzo e la tensione fck in combinazioni rare [normalizzato a 1]
rRfyk	rapporto tra la massima tensione nell'acciaio e la tensione fyk in combinazioni rare [normalizzato a 1]
rPfck	rapporto tra la massima compressione nel calcestruzzo e la tensione fck in combinazioni quasi permanenti [normalizzato a 1]
wR	apertura caratteristica delle fessure in combinazioni rare [mm]
wF	apertura caratteristica delle fessure in combinazioni frequenti [mm]
wP	apertura caratteristica delle fessure in combinazioni quasi permanenti [mm]
dR	massima deformazione in combinazioni rare
dF	massima deformazione in combinazioni frequenti
dP	massima deformazione in combinazioni quasi permanenti

Per ognuno dei nove valori soprariportati viene indicata (Rif.cmb) la combinazione in cui si è verificato.

In relazione al tipo di elemento strutturale i valori sono selezionati nel modo seguente:

pilastr	rRfck	rRfyk	rPfck	per sezioni significative
travi	rRfck wR dR	rRfyk wF dF	rPfck wP dP	per sezioni significative per sezioni significative massimi in campata
setti e gusci	rRfck wR	rRfyk wF	rPfck wP	massimi nei nodi dell'elemento massimi nei nodi dell'elemento

Si precisa che i valori di massima deformazione per travi sono riferiti al piano verticale (piano locale 1-2 con momenti flettenti 3-3).

Setto	rRfck	rRfyk	rPfck	Rif. cmb	wR mm	wF mm	wP mm	Rif. cmb
1	0.07	0.13	0.04	41,41,54	0.0	0.0	0.0	0,0,0
2	0.04	0.06	0.03	41,34,54	0.0	0.0	0.0	0,0,0
3	0.07	0.14	0.04	41,41,54	0.0	0.0	0.0	0,0,0
4	0.07	0.15	0.04	41,41,54	0.0	0.0	0.0	0,0,0
5	0.04	0.11	0.03	41,34,54	0.0	0.0	0.0	0,0,0
6	0.04	0.13	0.03	40,41,54	0.0	0.0	0.0	0,0,0
7	0.07	0.15	0.04	41,41,54	0.0	0.0	0.0	0,0,0
8	0.03	0.06	0.02	41,34,54	0.0	0.0	0.0	0,0,0
9	0.08	0.17	0.03	41,41,54	0.0	0.0	0.0	0,0,0
10	0.08	0.19	0.03	41,41,54	0.0	0.0	0.0	0,0,0
11	0.05	0.09	0.03	41,41,54	0.0	0.0	0.0	0,0,0
12	0.04	0.07	0.01	41,41,54	0.0	0.0	0.0	0,0,0
13	0.03	0.11	0.02	34,40,54	0.0	0.0	0.0	0,0,0
14	0.02	0.08	0.01	41,40,54	0.0	0.0	0.0	0,0,0
15	0.03	0.17	0.02	34,34,54	0.0	0.0	0.0	0,0,0
229	0.09	0.26	0.01	40,41,54	0.0	0.0	0.0	0,0,0
230	0.04	0.07	0.03	41,41,54	0.0	0.0	0.0	0,0,0
231	0.07	0.07	0.05	41,41,54	0.0	0.0	0.0	0,0,0
232	0.05	0.09	0.04	41,41,54	0.0	0.0	0.0	0,0,0
233	0.05	0.07	0.03	41,41,54	0.0	0.0	0.0	0,0,0
234	0.04	0.10	0.02	40,41,54	0.0	0.0	0.0	0,0,0
235	0.07	0.11	0.06	41,41,54	0.0	0.0	0.0	0,0,0
236	0.06	0.08	0.05	41,41,54	0.0	0.0	0.0	0,0,0
237	0.05	0.10	0.05	41,34,54	0.0	0.0	0.0	0,0,0
238	0.06	0.24	0.01	40,41,54	0.0	0.0	0.0	0,0,0
239	0.05	0.06	0.04	34,41,54	0.0	0.0	0.0	0,0,0
240	0.08	0.07	0.07	34,41,54	0.0	0.0	0.0	0,0,0

Setto	rRfck	rRfyk	rPfck	wR	wF	wP
	0.09	0.26	0.07	0.0	0.0	0.0

Guscio	rRfck	rRfyk	rPfck	Rif. cmb	wR mm	wF mm	wP mm	Rif. cmb
16	0.04	0.07	0.04	34,37,54	0.0	0.0	0.0	0,0,0
17	0.09	0.13	0.09	34,34,54	0.0	0.0	0.0	0,0,0
18	0.07	0.11	0.07	34,34,54	0.0	0.0	0.0	0,0,0
19	0.06	0.09	0.05	34,41,54	0.0	0.0	0.0	0,0,0
20	0.45	0.67	0.25	41,41,54	0.25	0.0	0.0	41,0,0
21	0.04	0.07	0.03	41,41,54	0.0	0.0	0.0	0,0,0
22	0.10	0.13	0.09	41,34,54	0.0	0.0	0.0	0,0,0
23	0.05	0.10	0.05	34,34,54	0.0	0.0	0.0	0,0,0
24	0.04	0.08	0.04	34,34,54	0.0	0.0	0.0	0,0,0
25	0.08	0.12	0.06	41,41,54	0.0	0.0	0.0	0,0,0
26	0.08	0.13	0.07	34,34,54	0.0	0.0	0.0	0,0,0
27	0.73	0.70	0.32	41,41,54	0.22	0.08	0.05	41,52,54
28	0.04	0.07	0.04	34,34,54	0.0	0.0	0.0	0,0,0
29	0.09	0.14	0.08	34,34,54	0.0	0.0	0.0	0,0,0
30	0.07	0.12	0.05	41,41,54	0.0	0.0	0.0	0,0,0
31	0.05	0.07	0.03	41,41,54	0.0	0.0	0.0	0,0,0
32	0.13	0.25	0.13	34,34,54	0.0	0.0	0.0	0,0,0
33	0.10	0.21	0.04	40,40,54	0.0	0.0	0.0	0,0,0
34	0.09	0.25	0.03	40,41,53	0.0	0.0	0.0	0,0,0
35	0.03	0.06	0.03	41,41,54	0.0	0.0	0.0	0,0,0
36	0.08	0.14	0.04	40,40,54	0.0	0.0	0.0	0,0,0
37	0.23	0.39	0.19	34,34,54	0.0	0.0	0.0	0,0,0
38	0.08	0.13	0.08	34,34,54	0.0	0.0	0.0	0,0,0
39	0.05	0.10	0.04	41,41,54	0.0	0.0	0.0	0,0,0
40	0.15	0.24	0.15	34,34,54	0.0	0.0	0.0	0,0,0
41	0.17	0.27	0.17	34,34,54	0.0	0.0	0.0	0,0,0
42	0.17	0.27	0.17	34,34,54	0.0	0.0	0.0	0,0,0
43	0.11	0.18	0.11	34,34,54	0.0	0.0	0.0	0,0,0
44	0.14	0.23	0.14	34,34,54	0.0	0.0	0.0	0,0,0
45	0.19	0.29	0.17	41,34,54	0.0	0.0	0.0	0,0,0
46	0.07	0.12	0.07	34,34,54	0.0	0.0	0.0	0,0,0
47	0.07	0.11	0.06	34,34,54	0.0	0.0	0.0	0,0,0
48	0.05	0.08	0.04	41,41,54	0.0	0.0	0.0	0,0,0
49	0.04	0.06	0.03	41,41,54	0.0	0.0	0.0	0,0,0
50	0.31	0.50	0.24	39,39,53	0.19	0.0	0.0	39,0,0
51	0.05	0.08	0.04	41,41,54	0.0	0.0	0.0	0,0,0
52	0.07	0.11	0.08	40,40,54	0.0	0.0	0.0	0,0,0
53	0.03	0.05	0.02	41,41,54	0.0	0.0	0.0	0,0,0
54	0.02	0.04	0.02	41,41,54	0.0	0.0	0.0	0,0,0

55	0.04	0.07	0.03	41,41,54	0.0	0.0	0.0	0,0,0
56	0.03	0.05	0.02	41,41,54	0.0	0.0	0.0	0,0,0
57	0.08	0.11	0.08	34,34,54	0.0	0.0	0.0	0,0,0
58	0.19	0.31	0.13	40,40,53	0.0	0.0	0.0	0,0,0
59	0.08	0.12	0.08	34,34,54	0.0	0.0	0.0	0,0,0
60	0.05	0.09	0.04	41,41,54	0.0	0.0	0.0	0,0,0
61	0.10	0.16	0.09	41,41,54	0.0	0.0	0.0	0,0,0
62	0.45	0.71	0.11	38,38,54	0.26	0.0	0.0	38,0,0
63	0.06	0.10	0.05	41,41,53	0.0	0.0	0.0	0,0,0
64	0.13	0.20	0.12	41,41,54	0.0	0.0	0.0	0,0,0
65	0.06	0.10	0.05	41,41,54	0.0	0.0	0.0	0,0,0
66	0.06	0.10	0.05	41,41,53	0.0	0.0	0.0	0,0,0
67	0.09	0.14	0.06	41,41,54	0.0	0.0	0.0	0,0,0
68	0.08	0.12	0.07	41,41,54	0.0	0.0	0.0	0,0,0
69	0.06	0.10	0.04	41,34,54	0.0	0.0	0.0	0,0,0
70	0.03	0.06	0.02	41,41,54	0.0	0.0	0.0	0,0,0
71	0.10	0.21	0.02	40,40,54	0.0	0.0	0.0	0,0,0
72	0.05	0.09	0.04	41,41,54	0.0	0.0	0.0	0,0,0
73	0.04	0.06	0.03	41,41,54	0.0	0.0	0.0	0,0,0
74	0.07	0.12	0.05	40,41,54	0.0	0.0	0.0	0,0,0
75	0.08	0.15	0.04	41,41,54	0.0	0.0	0.0	0,0,0
76	0.03	0.05	0.03	41,41,54	0.0	0.0	0.0	0,0,0
77	0.03	0.04	0.02	41,41,54	0.0	0.0	0.0	0,0,0
78	0.12	0.19	0.11	34,34,54	0.0	0.0	0.0	0,0,0
79	0.10	0.14	0.09	34,34,54	0.0	0.0	0.0	0,0,0
80	0.03	0.06	0.02	41,41,54	0.0	0.0	0.0	0,0,0
81	0.09	0.15	0.04	40,40,53	0.0	0.0	0.0	0,0,0
82	0.05	0.09	0.04	41,41,54	0.0	0.0	0.0	0,0,0
83	0.11	0.17	0.09	41,41,54	0.0	0.0	0.0	0,0,0
84	0.05	0.09	0.05	34,34,54	0.0	0.0	0.0	0,0,0
85	0.35	0.62	0.17	33,33,54	0.23	0.0	0.0	33,0,0
86	0.13	0.21	0.12	34,34,54	0.0	0.0	0.0	0,0,0
87	0.08	0.13	0.07	34,34,54	0.0	0.0	0.0	0,0,0
88	0.03	0.05	0.03	37,37,54	0.0	0.0	0.0	0,0,0
89	0.03	0.05	0.03	37,37,54	0.0	0.0	0.0	0,0,0
90	0.07	0.10	0.07	34,34,54	0.0	0.0	0.0	0,0,0
91	0.05	0.09	0.05	34,34,54	0.0	0.0	0.0	0,0,0
92	0.19	0.29	0.19	34,34,54	0.0	0.0	0.0	0,0,0
93	0.04	0.18	0.05	37,41,54	0.0	0.0	0.0	0,0,0
94	0.03	0.05	0.03	41,41,54	0.0	0.0	0.0	0,0,0
95	0.04	0.07	0.04	34,37,54	0.0	0.0	0.0	0,0,0
96	0.05	0.08	0.05	37,37,54	0.0	0.0	0.0	0,0,0
97	0.07	0.11	0.06	34,34,54	0.0	0.0	0.0	0,0,0
98	0.08	0.13	0.07	34,34,54	0.0	0.0	0.0	0,0,0
99	0.07	0.13	0.06	40,41,54	0.0	0.0	0.0	0,0,0
100	0.29	0.47	0.12	39,39,53	0.0	0.0	0.0	0,0,0
101	0.06	0.09	0.07	40,40,54	0.0	0.0	0.0	0,0,0
102	0.21	0.34	0.16	38,38,54	0.0	0.0	0.0	0,0,0
103	0.11	0.18	0.10	41,41,54	0.0	0.0	0.0	0,0,0
104	0.06	0.09	0.05	34,34,54	0.0	0.0	0.0	0,0,0
105	0.08	0.14	0.07	34,34,54	0.0	0.0	0.0	0,0,0
106	0.03	0.05	0.03	41,41,54	0.0	0.0	0.0	0,0,0
107	0.03	0.05	0.03	41,41,54	0.0	0.0	0.0	0,0,0
108	0.08	0.12	0.08	34,34,54	0.0	0.0	0.0	0,0,0
109	0.05	0.07	0.04	37,37,54	0.0	0.0	0.0	0,0,0
110	0.07	0.13	0.07	34,34,54	0.0	0.0	0.0	0,0,0
111	0.22	0.35	0.21	34,34,54	0.0	0.0	0.0	0,0,0
112	0.05	0.08	0.05	34,34,54	0.0	0.0	0.0	0,0,0
113	0.05	0.09	0.05	41,41,54	0.0	0.0	0.0	0,0,0
114	0.17	0.26	0.11	34,34,54	0.0	0.0	0.0	0,0,0
115	0.12	0.20	0.12	34,34,54	0.0	0.0	0.0	0,0,0
116	0.07	0.12	0.06	34,34,54	0.0	0.0	0.0	0,0,0
117	0.06	0.11	0.06	34,34,54	0.0	0.0	0.0	0,0,0
118	0.03	0.06	0.03	41,41,54	0.0	0.0	0.0	0,0,0
119	0.05	0.09	0.04	41,41,54	0.0	0.0	0.0	0,0,0
120	0.07	0.11	0.08	34,34,54	0.0	0.0	0.0	0,0,0
121	0.10	0.15	0.09	41,41,54	0.0	0.0	0.0	0,0,0
122	0.06	0.09	0.07	40,40,54	0.0	0.0	0.0	0,0,0
123	0.08	0.13	0.07	41,41,54	0.0	0.0	0.0	0,0,0
124	0.11	0.18	0.10	41,41,54	0.0	0.0	0.0	0,0,0
125	0.13	0.20	0.12	41,41,54	0.0	0.0	0.0	0,0,0
126	0.07	0.10	0.07	34,34,54	0.0	0.0	0.0	0,0,0
127	0.08	0.13	0.07	34,34,54	0.0	0.0	0.0	0,0,0
128	0.10	0.17	0.10	34,34,54	0.0	0.0	0.0	0,0,0
129	0.06	0.11	0.06	34,34,54	0.0	0.0	0.0	0,0,0
130	0.07	0.10	0.07	34,34,54	0.0	0.0	0.0	0,0,0
131	0.05	0.08	0.04	41,41,54	0.0	0.0	0.0	0,0,0

132	0.06	0.09	0.06	34,34,54	0.0	0.0	0.0	0,0,0
133	0.06	0.09	0.07	41,41,54	0.0	0.0	0.0	0,0,0
134	0.10	0.15	0.08	41,41,54	0.0	0.0	0.0	0,0,0
135	0.07	0.13	0.07	34,34,54	0.0	0.0	0.0	0,0,0
136	0.05	0.09	0.05	41,41,54	0.0	0.0	0.0	0,0,0
137	0.08	0.13	0.07	41,41,54	0.0	0.0	0.0	0,0,0
138	0.09	0.14	0.07	34,34,54	0.0	0.0	0.0	0,0,0
139	0.10	0.17	0.10	34,34,54	0.0	0.0	0.0	0,0,0
140	0.11	0.18	0.11	34,34,54	0.0	0.0	0.0	0,0,0
141	0.04	0.07	0.03	41,41,54	0.0	0.0	0.0	0,0,0
142	0.05	0.08	0.04	41,41,54	0.0	0.0	0.0	0,0,0
143	0.03	0.05	0.03	37,37,54	0.0	0.0	0.0	0,0,0
144	0.05	0.09	0.05	34,34,54	0.0	0.0	0.0	0,0,0
145	0.05	0.08	0.04	41,41,54	0.0	0.0	0.0	0,0,0
146	0.03	0.04	0.02	41,41,54	0.0	0.0	0.0	0,0,0
147	0.04	0.06	0.04	41,41,54	0.0	0.0	0.0	0,0,0
148	0.08	0.13	0.07	34,34,54	0.0	0.0	0.0	0,0,0
149	0.08	0.13	0.07	34,34,54	0.0	0.0	0.0	0,0,0
150	0.07	0.11	0.06	41,41,54	0.0	0.0	0.0	0,0,0
151	0.07	0.11	0.06	34,34,54	0.0	0.0	0.0	0,0,0
152	0.04	0.04	0.03	41,41,54	0.0	0.0	0.0	0,0,0
153	0.09	0.14	0.08	41,41,54	0.0	0.0	0.0	0,0,0
154	0.14	0.23	0.14	34,34,54	0.0	0.0	0.0	0,0,0
155	0.13	0.22	0.13	34,34,54	0.0	0.0	0.0	0,0,0
156	0.04	0.07	0.04	37,37,54	0.0	0.0	0.0	0,0,0
157	0.06	0.09	0.07	41,41,54	0.0	0.0	0.0	0,0,0
158	0.04	0.07	0.07	34,34,54	0.0	0.0	0.0	0,0,0
159	0.09	0.15	0.08	34,34,54	0.0	0.0	0.0	0,0,0
160	0.08	0.13	0.07	34,34,54	0.0	0.0	0.0	0,0,0
161	0.06	0.12	0.06	34,34,54	0.0	0.0	0.0	0,0,0
162	0.05	0.08	0.05	34,34,54	0.0	0.0	0.0	0,0,0
163	0.05	0.07	0.04	37,37,54	0.0	0.0	0.0	0,0,0
164	0.09	0.15	0.08	41,41,54	0.0	0.0	0.0	0,0,0
165	0.04	0.07	0.05	41,41,54	0.0	0.0	0.0	0,0,0
166	0.29	0.47	0.14	39,39,54	0.0	0.0	0.0	0,0,0
167	0.06	0.09	0.06	34,34,54	0.0	0.0	0.0	0,0,0
168	0.06	0.09	0.06	34,34,54	0.0	0.0	0.0	0,0,0
169	0.09	0.16	0.09	34,34,54	0.0	0.0	0.0	0,0,0
170	0.05	0.08	0.05	37,37,54	0.0	0.0	0.0	0,0,0
171	0.04	0.06	0.03	41,41,54	0.0	0.0	0.0	0,0,0
172	0.04	0.06	0.04	37,39,54	0.0	0.0	0.0	0,0,0
173	0.07	0.12	0.05	34,34,54	0.0	0.0	0.0	0,0,0
174	0.04	0.07	0.04	37,37,54	0.0	0.0	0.0	0,0,0
175	0.08	0.13	0.07	34,34,54	0.0	0.0	0.0	0,0,0
176	0.07	0.11	0.06	41,41,54	0.0	0.0	0.0	0,0,0
177	0.08	0.12	0.04	39,39,53	0.0	0.0	0.0	0,0,0
178	0.05	0.08	0.05	34,34,54	0.0	0.0	0.0	0,0,0
179	0.07	0.17	0.06	34,41,54	0.0	0.0	0.0	0,0,0
180	0.07	0.11	0.06	34,34,54	0.0	0.0	0.0	0,0,0
181	0.04	0.07	0.04	34,34,54	0.0	0.0	0.0	0,0,0
182	0.05	0.08	0.06	41,41,54	0.0	0.0	0.0	0,0,0
183	0.04	0.08	0.04	34,34,54	0.0	0.0	0.0	0,0,0
184	0.17	0.29	0.15	34,34,54	0.0	0.0	0.0	0,0,0
185	0.06	0.09	0.04	34,34,54	0.0	0.0	0.0	0,0,0
186	0.05	0.07	0.04	37,37,54	0.0	0.0	0.0	0,0,0
187	0.04	0.06	0.04	37,37,54	0.0	0.0	0.0	0,0,0
188	0.07	0.13	0.07	34,34,54	0.0	0.0	0.0	0,0,0
189	0.23	0.37	0.24	39,39,53	0.0	0.0	0.0	0,0,0
190	0.07	0.11	0.06	34,34,54	0.0	0.0	0.0	0,0,0
191	0.05	0.08	0.04	41,41,54	0.0	0.0	0.0	0,0,0
192	0.05	0.08	0.05	34,34,54	0.0	0.0	0.0	0,0,0
193	0.39	0.62	0.17	39,39,53	0.23	0.0	0.0	39,0,0
194	0.04	0.07	0.06	37,37,54	0.0	0.0	0.0	0,0,0
195	0.05	0.08	0.07	35,35,53	0.0	0.0	0.0	0,0,0
196	0.04	0.06	0.04	34,34,54	0.0	0.0	0.0	0,0,0
197	0.04	0.07	0.04	34,34,54	0.0	0.0	0.0	0,0,0
198	0.08	0.13	0.07	34,34,54	0.0	0.0	0.0	0,0,0
199	0.05	0.08	0.05	37,37,54	0.0	0.0	0.0	0,0,0
200	0.08	0.13	0.07	34,34,54	0.0	0.0	0.0	0,0,0
201	0.05	0.08	0.05	34,34,54	0.0	0.0	0.0	0,0,0
202	0.03	0.12	0.04	34,41,54	0.0	0.0	0.0	0,0,0
203	0.06	0.10	0.06	34,34,54	0.0	0.0	0.0	0,0,0
204	0.06	0.09	0.04	39,39,53	0.0	0.0	0.0	0,0,0
205	0.05	0.08	0.05	34,34,54	0.0	0.0	0.0	0,0,0
206	0.05	0.08	0.05	34,34,54	0.0	0.0	0.0	0,0,0
207	0.04	0.07	0.04	37,37,54	0.0	0.0	0.0	0,0,0
208	0.07	0.12	0.04	39,39,54	0.0	0.0	0.0	0,0,0

209	0.06	0.10	0.04	34,34,54	0.0	0.0	0.0	0,0,0
210	0.24	0.40	0.18	34,34,54	0.0	0.0	0.0	0,0,0
211	0.08	0.13	0.07	34,34,54	0.0	0.0	0.0	0,0,0
212	0.16	0.28	0.20	38,38,54	0.0	0.0	0.0	0,0,0
213	0.05	0.08	0.05	34,34,54	0.0	0.0	0.0	0,0,0
214	0.03	0.07	0.04	34,34,54	0.0	0.0	0.0	0,0,0
215	0.06	0.11	0.06	34,34,54	0.0	0.0	0.0	0,0,0
216	0.06	0.12	0.06	34,34,54	0.0	0.0	0.0	0,0,0
217	0.05	0.08	0.05	34,34,54	0.0	0.0	0.0	0,0,0
218	0.05	0.08	0.04	34,34,54	0.0	0.0	0.0	0,0,0
219	0.04	0.06	0.04	37,37,54	0.0	0.0	0.0	0,0,0
220	0.06	0.09	0.06	34,34,54	0.0	0.0	0.0	0,0,0
221	0.05	0.08	0.05	34,34,54	0.0	0.0	0.0	0,0,0
222	0.06	0.12	0.06	34,34,54	0.0	0.0	0.0	0,0,0
223	0.06	0.10	0.03	41,41,54	0.0	0.0	0.0	0,0,0
224	0.04	0.07	0.04	41,41,54	0.0	0.0	0.0	0,0,0
225	0.09	0.14	0.07	34,34,54	0.0	0.0	0.0	0,0,0
226	0.21	0.35	0.15	34,34,54	0.0	0.0	0.0	0,0,0
227	0.06	0.12	0.06	34,34,54	0.0	0.0	0.0	0,0,0
228	0.04	0.08	0.03	34,41,54	0.0	0.0	0.0	0,0,0
Guscio	rRfck 0.73	rRfyk 0.71	rPfck 0.32		wR 0.26	wF 0.08	wP 0.05	

STATO LIMITE D' ESERCIZIO: SLD DANNO SISMICO

LEGENDA TABELLA STATI LIMITE DI DANNO (VERIFICHE RES)

Le verifiche RES per SLD sono effettuate in accordo alle Norme Tecniche 17 Gennaio 2018 e alla circolare n.7 del 21 gennaio 2019 nonché alle linee guida del Consiglio Superiore LL.PP. "Linee guida per la Progettazione, l'Esecuzione ed il Collaudo di Interventi di Rinforzo di strutture di c.a., c.a.p. e murarie mediante FRP".

Le verifiche RES per SLD, sono riportate nelle successive tabelle nella forma di rapporto "domanda" su "capacità" e hanno esito positivo quando il rapporto è non superiore al valore unitario.

La "domanda" è ottenuta direttamente dall'analisi per le previste combinazioni SLD (NTC18 2.5.3. COMBINAZIONI DELLE AZIONI formula [2.5.5]).

Per "capacità" si intende qui il valore della sollecitazione corrispondente al raggiungimento dello stato limite di danno per la sezione: per la resistenza flessionale questo stato limite si identifica con la tensione di snervamento dell'acciaio o la resistenza massima a compressione per il calcestruzzo e la muratura. Lo stato limite di danno si ritiene attinto anche in caso di superamento della resistenza a taglio.

Le resistenze flessionali sono valutate utilizzando i legami costitutivi del materiale limitati al solo tratto elastico, ottenendo così resistenze sostanzialmente elastiche come previsto dalla norma.

La seguente tabella identifica per quali configurazioni (materiale nuovo, esistente, con rinforzi e metodo di analisi) sono state condotte le verifiche di seguito riportate.

Configurazione	Verifica SLD	NOTE
1) c.a. nuovo e esist. Verifica SLU con $q > 1$	Verifica N/M SE Verifica V/T	Sono verifiche per struttura non dissipativa condotte secondo il cap.4 NTC18 in regime sostanzialmente elastico; si verificano travi, pilastri, setti e gusci.
2) Muratura nuova Verifica SLU con $q > 1$	Verifica N/M SE Verifica V	Per N/M identificato SL elastico, per V formulazione secondo cap.7
3) Muratura esis. AO Verifica SLU con $q > 1$	Verifica N/M SE Verifica V	Per N/M identificato SL elastico, per V formulazione secondo cap. 7 e 8
4) Muratura esis. PO Verifica SLU con $q > 1$	Verifica N/M SE Verifica V	Per N/M identificato SL elastico, per V formulazione secondo cap. 7 e 8; Anche per rinforzi FRP è prevista verifica N/M SE e V

Simbologia adottata nelle tabelle di verifica

Per le verifiche agli SLD di pilastri, travi setti e gusci in c.a. è presente una tabella con i simboli di seguito descritti:

Pilas./Trave/ Setto/Guscio	numero identificativo dell'elemento D2 o D3
Stato	Codici relativi all'esito delle verifiche effettuate appresso descritte
Pos.	Posizione nell'elemento della sezione per la quale si riporta la verifica
V N/M	Verifica a pressoflessione con rapporto E_d/R_d : valore minore o uguale a 1 per verifica positiva
V V/T cls	Verifica a taglio/torsione con rapporto V_{ed}/V_{rd} lato cls: valore minore o uguale a 1 per verifica positiva
V V/T acc	Verifica a taglio/torsione con rapporto V_{ed}/V_{rd} lato acciaio: valore minore o uguale a 1 per verifica positiva
Rif. cmb.	Riferimento combinazioni da cui si generano le verifiche più gravose per il pilastro

Per le verifiche agli SLD di maschi e fasce in **muratura**, è presente una tabella con i simboli di seguito descritti:

Setto/Fascia/Elem.	numero del macroelemento (D3) o elemento (D2) considerato	
Mat.	Materiale	
s=,m=	Indice della sezione e del materiale assegnati all' elemento (per D2)	
Spessore	spessore dell'elemento	
Stato	ok	elemento verificato (SLD)
	NV	elemento non verificato (SLD)

e a seguire:

Nodo/Pos.	numero del nodo appartenente al setto / posizione relativa al nodo I per D2	
h0/t	valore della snellezza convenzionale	
P/Ap	tensione verticale media utilizzata per la verifica a pressoflessione nel piano del muro	
P/Acv	tensione verticale media nella parte compressa, utilizzata nella verifica a taglio nel piano del muro	
Ver. Mp	rapporto tra il momento di progetto e il momento Mrd in relazione alla verifica Par. 7.8.2.2.1 (pressoflessione complanare) effettuato per tutte le combinazioni	
Ver. V	rapporto il taglio di progetto e il taglio ultimo in relazione alla verifica Par. 7.8.2.2.2 (taglio complanare) o C8.7.1.16 della circolare 21-01-19 per edifici esistenti effettuato per tutte le combinazioni (solo per elementi maschi)	
Ver. V	rapporto tra il taglio di progetto e il minore dei tagli resistenti Vp e Vt in relazione alla verifica del par. 7.8.2.2.3 (solo per elementi fasce)	
Rif. cmb	Combinazioni in cui si hanno i massimi valori dei rapporti Ver. Mp, Ver. V	

Per elementi consolidati secondo il paragrafo C8.5.3.1 il programma opera come per gli elementi non rinforzati, considerando ai fini delle analisi e delle verifiche gli opportuni coefficienti correttivi delle rigidezze e delle resistenze.

Per elementi consolidati con FRP il programma implementa le verifiche previste dalle "Linee guida per la Progettazione, l'Esecuzione ed il Collaudo di Interventi di Rinforzo di strutture di c.a., c.a.p. e murarie mediante FRP" approvate dal CSLLPP il 24/07/2009.

Per elementi consolidati con FRCM il programma implementa le verifiche previste dalle CNR-DT 215/2018 "Istruzioni per la Progettazione, l'Esecuzione ed il Controllo di Interventi di Consolidamento Statico mediante l'utilizzo di Compositi Fibrorinforzati a Matrice Inorganica"

Per semplicità la simbologia adottata nelle tabelle è uniformata a quella degli elementi non rinforzati.

Le tabelle riportano inoltre i seguenti parametri:

Fibra	Tipo di fibra del fibrorinforzo
E fibra	Modulo elastico del fibrorinforzo
epsr	Dilatazione di rottura del fibrorinforzo
epsd	Dilatazione di calcolo
epsd(s)	Dilatazione di calcolo per combinazioni sismiche
Spess.	Spessore del fibrorinforzo, il programma prevede l' applicazione di uno strato di spessore s su entrambe le facce della parete (o sui quattro lati della sezione in caso di confinamento)
AO fib.	Area orizzontale complessiva di fibrorinforzo per metro lineare
AV fib.	Area verticale complessiva di fibrorinforzo per metro lineare

Affinché l'elemento sia verificato deve essere:

Ver. Mp, Ver.V non superiore a 1

TABELLA VERIFICHE ELEMENTI D3 SETTI C.A.

Setto	Stato	Nodo	V N/M	V V/T cls	V V/T acc	Rif. cmb	Nodo	V N/M	V V/T cls	V V/T acc	Rif. cmb
1	ok	114	0.07	0.0	0.0	115,0,0	80	0.08	0.0	0.0	115,0,0
		113	0.08	0.0	0.0	114,0,0	115	0.07	0.0	0.0	90,0,0
2	ok	116	0.04	0.0	0.0	102,0,0	114	0.06	0.0	0.0	114,0,0
		115	0.05	0.0	0.0	96,0,0	117	0.03	0.0	0.0	90,0,0
3	ok	77	0.11	0.0	0.0	93,0,0	116	0.07	0.0	0.0	118,0,0
		117	0.03	0.0	0.0	115,0,0	112	0.06	0.0	0.0	115,0,0
4	ok	113	0.04	0.0	0.0	118,0,0	119	0.05	0.0	0.0	91,0,0
		118	0.14	0.0	0.0	116,0,0	80	0.12	0.0	0.0	101,0,0
5	ok	119	0.05	0.0	0.0	91,0,0	121	0.04	0.0	0.0	112,0,0
		120	0.15	0.0	0.0	118,0,0	118	0.15	0.0	0.0	94,0,0
6	ok	121	0.06	0.0	0.0	111,0,0	102	0.08	0.0	0.0	115,0,0
		5	0.16	0.0	0.0	114,0,0	120	0.18	0.0	0.0	102,0,0
7	ok	112	0.04	0.0	0.0	115,0,0	123	0.03	0.0	0.0	115,0,0
		122	0.08	0.0	0.0	118,0,0	77	0.09	0.0	0.0	115,0,0
8	ok	123	0.02	0.0	0.0	115,0,0	125	0.03	0.0	0.0	115,0,0
		124	0.08	0.0	0.0	118,0,0	122	0.06	0.0	0.0	114,0,0
9	ok	125	0.04	0.0	0.0	115,0,0	111	0.02	0.0	0.0	115,0,0
		74	0.12	0.0	0.0	99,0,0	124	0.09	0.0	0.0	115,0,0
10	ok	74	0.12	0.0	0.0	115,0,0	126	0.13	0.0	0.0	90,0,0
		127	0.03	0.0	0.0	113,0,0	111	0.02	0.0	0.0	117,0,0
11	ok	126	0.07	0.0	0.0	91,0,0	128	0.05	0.0	0.0	99,0,0
		129	0.02	0.0	0.0	94,0,0	127	0.03	0.0	0.0	113,0,0
12	ok	128	0.11	0.0	0.0	91,0,0	5	0.07	0.0	0.0	91,0,0
		102	0.04	0.0	0.0	117,0,0	129	0.05	0.0	0.0	117,0,0
13	ok	102	0.10	0.0	0.0	115,0,0	131	0.05	0.0	0.0	115,0,0
		130	0.20	0.0	0.0	118,0,0	5	0.18	0.0	0.0	118,0,0
14	ok	131	0.06	0.0	0.0	93,0,0	133	0.08	0.0	0.0	99,0,0
		132	0.17	0.0	0.0	94,0,0	130	0.18	0.0	0.0	112,0,0
15	ok	133	0.11	0.0	0.0	93,0,0	104	0.06	0.0	0.0	93,0,0
		8	0.17	0.0	0.0	118,0,0	132	0.19	0.0	0.0	92,0,0
229	ok	354	0.08	0.0	0.0	115,0,0	360	0.06	0.0	0.0	115,0,0
		123	0.07	0.0	0.0	115,0,0	112	0.11	0.0	0.0	115,0,0
230	ok	360	0.06	0.0	0.0	115,0,0	361	0.05	0.0	0.0	95,0,0
		125	0.04	0.0	0.0	90,0,0	123	0.06	0.0	0.0	99,0,0
231	ok	361	0.05	0.0	0.0	103,0,0	353	0.05	0.0	0.0	116,0,0
		111	0.04	0.0	0.0	102,0,0	125	0.06	0.0	0.0	102,0,0
232	ok	111	0.03	0.0	0.0	115,0,0	127	0.06	0.0	0.0	115,0,0
		362	0.04	0.0	0.0	115,0,0	353	0.03	0.0	0.0	118,0,0
233	ok	127	0.06	0.0	0.0	113,0,0	129	0.04	0.0	0.0	102,0,0
		363	0.04	0.0	0.0	115,0,0	362	0.03	0.0	0.0	113,0,0
234	ok	129	0.03	0.0	0.0	117,0,0	102	0.07	0.0	0.0	117,0,0
		352	0.05	0.0	0.0	111,0,0	363	0.03	0.0	0.0	111,0,0
235	ok	359	0.05	0.0	0.0	91,0,0	352	0.05	0.0	0.0	115,0,0
		102	0.06	0.0	0.0	115,0,0	121	0.12	0.0	0.0	111,0,0
236	ok	358	0.04	0.0	0.0	99,0,0	359	0.05	0.0	0.0	115,0,0
		121	0.08	0.0	0.0	91,0,0	119	0.09	0.0	0.0	99,0,0
237	ok	355	0.04	0.0	0.0	91,0,0	358	0.05	0.0	0.0	91,0,0
		119	0.10	0.0	0.0	91,0,0	113	0.05	0.0	0.0	91,0,0
238	ok	112	0.10	0.0	0.0	115,0,0	117	0.05	0.0	0.0	111,0,0
		357	0.06	0.0	0.0	115,0,0	354	0.06	0.0	0.0	115,0,0
239	ok	117	0.03	0.0	0.0	94,0,0	115	0.05	0.0	0.0	108,0,0
		356	0.06	0.0	0.0	111,0,0	357	0.05	0.0	0.0	111,0,0
240	ok	115	0.06	0.0	0.0	108,0,0	113	0.06	0.0	0.0	108,0,0
		355	0.05	0.0	0.0	102,0,0	356	0.07	0.0	0.0	111,0,0
Setto			V N/M	V V/T cls	V V/T acc			V N/M	V V/T cls	V V/T acc	
			0.20	0.0	0.0						

TABELLA VERIFICHE ELEMENTI D3 GUSCI C.A.

Guscio	Stato	Nodo	V N/M	V V/T cls	V V/T acc	Rif. cmb	Nodo	V N/M	V V/T cls	V V/T acc	Rif. cmb
16	ok	307	0.06	0.0	0.0	111,0,0	276	0.05	0.0	0.0	87,0,0
		277	0.05	0.0	0.0	112,0,0	309	0.05	0.0	0.0	88,0,0
17	ok	165	0.09	0.0	0.0	94,0,0	164	0.16	0.0	0.0	94,0,0

		221	0.18	0.0	0.0	94,0,0	234	0.11	0.0	0.0	94,0,0
18	ok	209	0.12	0.0	0.0	89,0,0	252	0.11	0.0	0.0	93,0,0
		244	0.09	0.0	0.0	101,0,0	189	0.12	0.0	0.0	102,0,0
19	ok	167	0.08	0.0	0.0	106,0,0	166	0.09	0.0	0.0	90,0,0
		115	0.08	0.0	0.0	98,0,0	117	0.05	0.0	0.0	107,0,0
20	ok	103	0.41	0.0	0.0	115,0,0	224	0.18	0.0	0.0	89,0,0
		209	0.11	0.0	0.0	101,0,0	175	0.24	0.0	0.0	116,0,0
21	ok	354	0.03	0.0	0.0	115,0,0	357	0.05	0.0	0.0	115,0,0
		229	0.05	0.0	0.0	91,0,0	360	0.05	0.0	0.0	115,0,0
22	ok	100	0.35	0.0	0.0	90,0,0	165	0.32	0.0	0.0	94,0,0
		234	0.13	0.0	0.0	94,0,0	113	0.21	0.0	0.0	106,0,0
23	ok	295	0.07	0.0	0.0	94,0,0	319	0.09	0.0	0.0	113,0,0
		311	0.08	0.0	0.0	117,0,0	288	0.08	0.0	0.0	94,0,0
24	ok	305	0.06	0.0	0.0	114,0,0	328	0.05	0.0	0.0	102,0,0
		319	0.05	0.0	0.0	115,0,0	295	0.07	0.0	0.0	102,0,0
25	ok	203	0.10	0.0	0.0	115,0,0	202	0.08	0.0	0.0	117,0,0
		139	0.08	0.0	0.0	117,0,0	138	0.10	0.0	0.0	117,0,0
26	ok	256	0.14	0.0	0.0	88,0,0	216	0.12	0.0	0.0	88,0,0
		225	0.10	0.0	0.0	92,0,0	262	0.12	0.0	0.0	92,0,0
27	ok	184	0.30	0.0	0.0	97,0,0	231	0.12	0.0	0.0	99,0,0
		135	0.47	0.0	0.0	109,0,0	107	0.34	0.0	0.0	96,0,0
28	ok	239	0.06	0.0	0.0	88,0,0	195	0.06	0.0	0.0	88,0,0
		196	0.05	0.0	0.0	91,0,0	237	0.05	0.0	0.0	88,0,0
29	ok	175	0.08	0.0	0.0	93,0,0	209	0.12	0.0	0.0	101,0,0
		189	0.12	0.0	0.0	102,0,0	176	0.12	0.0	0.0	94,0,0
30	ok	206	0.09	0.0	0.0	111,0,0	125	0.06	0.0	0.0	118,0,0
		111	0.07	0.0	0.0	93,0,0	207	0.09	0.0	0.0	117,0,0
31	ok	127	0.06	0.0	0.0	117,0,0	129	0.05	0.0	0.0	113,0,0
		328	0.04	0.0	0.0	113,0,0	305	0.05	0.0	0.0	114,0,0
32	ok	172	0.17	0.0	0.0	91,0,0	206	0.11	0.0	0.0	111,0,0
		207	0.16	0.0	0.0	92,0,0	101	0.21	0.0	0.0	94,0,0
33	ok	208	0.21	0.0	0.0	94,0,0	112	0.19	0.0	0.0	99,0,0
		123	0.08	0.0	0.0	91,0,0	190	0.12	0.0	0.0	91,0,0
34	ok	169	0.18	0.0	0.0	118,0,0	168	0.14	0.0	0.0	114,0,0
		112	0.24	0.0	0.0	115,0,0	208	0.19	0.0	0.0	94,0,0
35	ok	360	0.06	0.0	0.0	115,0,0	229	0.04	0.0	0.0	91,0,0
		230	0.04	0.0	0.0	91,0,0	361	0.06	0.0	0.0	115,0,0
36	ok	170	0.14	0.0	0.0	94,0,0	208	0.12	0.0	0.0	114,0,0
		190	0.10	0.0	0.0	91,0,0	171	0.14	0.0	0.0	94,0,0
37	ok	166	0.29	0.0	0.0	95,0,0	100	0.41	0.0	0.0	90,0,0
		113	0.23	0.0	0.0	114,0,0	115	0.08	0.0	0.0	94,0,0
38	ok	234	0.11	0.0	0.0	94,0,0	221	0.17	0.0	0.0	94,0,0
		271	0.13	0.0	0.0	94,0,0	270	0.08	0.0	0.0	94,0,0
39	ok	113	0.09	0.0	0.0	91,0,0	234	0.13	0.0	0.0	94,0,0
		270	0.11	0.0	0.0	94,0,0	119	0.15	0.0	0.0	91,0,0
40	ok	163	0.17	0.0	0.0	112,0,0	162	0.19	0.0	0.0	112,0,0
		228	0.20	0.0	0.0	92,0,0	223	0.16	0.0	0.0	100,0,0
41	ok	233	0.25	0.0	0.0	91,0,0	160	0.17	0.0	0.0	88,0,0
		159	0.19	0.0	0.0	88,0,0	222	0.22	0.0	0.0	96,0,0
42	ok	162	0.21	0.0	0.0	92,0,0	161	0.15	0.0	0.0	96,0,0
		233	0.24	0.0	0.0	99,0,0	228	0.24	0.0	0.0	91,0,0
43	ok	191	0.14	0.0	0.0	92,0,0	158	0.15	0.0	0.0	112,0,0
		157	0.14	0.0	0.0	112,0,0	192	0.11	0.0	0.0	108,0,0
44	ok	222	0.20	0.0	0.0	91,0,0	159	0.17	0.0	0.0	88,0,0
		158	0.16	0.0	0.0	104,0,0	191	0.15	0.0	0.0	96,0,0
45	ok	216	0.10	0.0	0.0	108,0,0	155	0.19	0.0	0.0	109,0,0
		109	0.34	0.0	0.0	96,0,0	225	0.27	0.0	0.0	92,0,0
46	ok	193	0.09	0.0	0.0	97,0,0	156	0.10	0.0	0.0	88,0,0
		155	0.07	0.0	0.0	96,0,0	216	0.11	0.0	0.0	104,0,0
47	ok	211	0.10	0.0	0.0	99,0,0	154	0.06	0.0	0.0	115,0,0
		153	0.08	0.0	0.0	88,0,0	194	0.09	0.0	0.0	108,0,0
48	ok	300	0.07	0.0	0.0	91,0,0	257	0.07	0.0	0.0	91,0,0
		254	0.06	0.0	0.0	91,0,0	303	0.06	0.0	0.0	91,0,0
49	ok	201	0.05	0.0	0.0	117,0,0	200	0.05	0.0	0.0	117,0,0
		141	0.05	0.0	0.0	117,0,0	140	0.06	0.0	0.0	117,0,0
50	ok	180	0.32	0.0	0.0	115,0,0	217	0.15	0.0	0.0	118,0,0
		226	0.32	0.0	0.0	89,0,0	105	0.44	0.0	0.0	118,0,0
51	ok	197	0.06	0.0	0.0	103,0,0	150	0.06	0.0	0.0	91,0,0
		149	0.05	0.0	0.0	108,0,0	218	0.06	0.0	0.0	96,0,0
52	ok	179	0.12	0.0	0.0	101,0,0	186	0.11	0.0	0.0	115,0,0
		217	0.14	0.0	0.0	90,0,0	180	0.10	0.0	0.0	98,0,0
53	ok	214	0.04	0.0	0.0	99,0,0	146	0.03	0.0	0.0	91,0,0
		145	0.02	0.0	0.0	91,0,0	232	0.03	0.0	0.0	99,0,0
54	ok	232	0.03	0.0	0.0	91,0,0	145	0.02	0.0	0.0	91,0,0
		134	8.25e-03	0.0	0.0	94,0,0	144	0.02	0.0	0.0	91,0,0
55	ok	198	0.06	0.0	0.0	99,0,0	147	0.04	0.0	0.0	91,0,0
		146	0.03	0.0	0.0	91,0,0	214	0.04	0.0	0.0	99,0,0

56	ok	215	0.04	0.0	0.0	99,0,0	232	0.03	0.0	0.0	99,0,0
		144	0.03	0.0	0.0	99,0,0	143	0.03	0.0	0.0	99,0,0
57	ok	177	0.12	0.0	0.0	89,0,0	188	0.10	0.0	0.0	113,0,0
		187	0.11	0.0	0.0	102,0,0	178	0.12	0.0	0.0	89,0,0
58	ok	218	0.06	0.0	0.0	95,0,0	149	0.17	0.0	0.0	108,0,0
		110	0.26	0.0	0.0	96,0,0	227	0.23	0.0	0.0	96,0,0
59	ok	176	0.12	0.0	0.0	94,0,0	189	0.11	0.0	0.0	101,0,0
		188	0.11	0.0	0.0	94,0,0	177	0.13	0.0	0.0	94,0,0
60	ok	220	0.09	0.0	0.0	99,0,0	148	0.07	0.0	0.0	103,0,0
		147	0.05	0.0	0.0	96,0,0	198	0.06	0.0	0.0	95,0,0
61	ok	204	0.14	0.0	0.0	115,0,0	203	0.11	0.0	0.0	113,0,0
		138	0.11	0.0	0.0	117,0,0	137	0.13	0.0	0.0	117,0,0
62	ok	105	0.27	0.0	0.0	118,0,0	226	0.31	0.0	0.0	89,0,0
		219	0.11	0.0	0.0	118,0,0	181	0.17	0.0	0.0	95,0,0
63	ok	266	0.08	0.0	0.0	87,0,0	227	0.07	0.0	0.0	95,0,0
		220	0.08	0.0	0.0	99,0,0	257	0.09	0.0	0.0	91,0,0
64	ok	231	0.20	0.0	0.0	115,0,0	212	0.17	0.0	0.0	109,0,0
		136	0.17	0.0	0.0	115,0,0	135	0.11	0.0	0.0	115,0,0
65	ok	282	0.07	0.0	0.0	115,0,0	275	0.03	0.0	0.0	89,0,0
		236	0.06	0.0	0.0	115,0,0	241	0.09	0.0	0.0	115,0,0
66	ok	259	0.09	0.0	0.0	88,0,0	218	0.08	0.0	0.0	88,0,0
		227	0.07	0.0	0.0	95,0,0	266	0.08	0.0	0.0	91,0,0
67	ok	181	0.10	0.0	0.0	102,0,0	219	0.10	0.0	0.0	102,0,0
		185	0.14	0.0	0.0	115,0,0	182	0.12	0.0	0.0	117,0,0
68	ok	265	0.12	0.0	0.0	105,0,0	299	0.11	0.0	0.0	105,0,0
		304	0.12	0.0	0.0	113,0,0	260	0.13	0.0	0.0	115,0,0
69	ok	111	0.07	0.0	0.0	101,0,0	127	0.06	0.0	0.0	117,0,0
		305	0.04	0.0	0.0	113,0,0	253	0.07	0.0	0.0	115,0,0
70	ok	361	0.05	0.0	0.0	115,0,0	230	0.03	0.0	0.0	91,0,0
		362	0.04	0.0	0.0	117,0,0	353	0.04	0.0	0.0	115,0,0
71	ok	168	0.12	0.0	0.0	118,0,0	167	0.11	0.0	0.0	118,0,0
		117	0.08	0.0	0.0	115,0,0	112	0.10	0.0	0.0	115,0,0
72	ok	119	0.14	0.0	0.0	91,0,0	270	0.12	0.0	0.0	94,0,0
		302	0.10	0.0	0.0	94,0,0	121	0.15	0.0	0.0	91,0,0
73	ok	357	0.06	0.0	0.0	115,0,0	356	0.06	0.0	0.0	111,0,0
		267	0.03	0.0	0.0	91,0,0	229	0.04	0.0	0.0	115,0,0
74	ok	190	0.09	0.0	0.0	91,0,0	123	0.08	0.0	0.0	91,0,0
		125	0.06	0.0	0.0	118,0,0	206	0.08	0.0	0.0	91,0,0
75	ok	207	0.10	0.0	0.0	117,0,0	111	0.06	0.0	0.0	93,0,0
		253	0.07	0.0	0.0	115,0,0	205	0.07	0.0	0.0	115,0,0
76	ok	229	0.04	0.0	0.0	115,0,0	267	0.03	0.0	0.0	115,0,0
		269	0.03	0.0	0.0	115,0,0	230	0.03	0.0	0.0	115,0,0
77	ok	230	0.03	0.0	0.0	91,0,0	269	0.05	0.0	0.0	99,0,0
		363	0.04	0.0	0.0	115,0,0	362	0.04	0.0	0.0	115,0,0
78	ok	268	0.15	0.0	0.0	91,0,0	274	0.16	0.0	0.0	92,0,0
		263	0.13	0.0	0.0	96,0,0	306	0.12	0.0	0.0	92,0,0
79	ok	192	0.11	0.0	0.0	112,0,0	157	0.13	0.0	0.0	112,0,0
		156	0.11	0.0	0.0	112,0,0	193	0.10	0.0	0.0	104,0,0
80	ok	356	0.05	0.0	0.0	111,0,0	355	0.04	0.0	0.0	111,0,0
		358	0.05	0.0	0.0	115,0,0	267	0.05	0.0	0.0	87,0,0
81	ok	99	0.42	0.0	0.0	91,0,0	169	0.42	0.0	0.0	94,0,0
		208	0.08	0.0	0.0	115,0,0	170	0.21	0.0	0.0	91,0,0
82	ok	343	0.06	0.0	0.0	109,0,0	325	0.07	0.0	0.0	97,0,0
		318	0.06	0.0	0.0	103,0,0	346	0.06	0.0	0.0	88,0,0
83	ok	182	0.12	0.0	0.0	117,0,0	185	0.12	0.0	0.0	115,0,0
		213	0.16	0.0	0.0	115,0,0	183	0.13	0.0	0.0	117,0,0
84	ok	173	0.06	0.0	0.0	92,0,0	205	0.06	0.0	0.0	113,0,0
		210	0.09	0.0	0.0	118,0,0	174	0.07	0.0	0.0	118,0,0
85	ok	174	0.12	0.0	0.0	115,0,0	210	0.15	0.0	0.0	118,0,0
		224	0.17	0.0	0.0	89,0,0	103	0.34	0.0	0.0	113,0,0
86	ok	274	0.18	0.0	0.0	91,0,0	222	0.19	0.0	0.0	91,0,0
		191	0.15	0.0	0.0	96,0,0	263	0.14	0.0	0.0	88,0,0
87	ok	289	0.11	0.0	0.0	88,0,0	262	0.11	0.0	0.0	88,0,0
		255	0.09	0.0	0.0	91,0,0	294	0.09	0.0	0.0	91,0,0
88	ok	280	0.05	0.0	0.0	97,0,0	284	0.06	0.0	0.0	97,0,0
		243	0.05	0.0	0.0	97,0,0	235	0.04	0.0	0.0	97,0,0
89	ok	243	0.05	0.0	0.0	99,0,0	251	0.05	0.0	0.0	99,0,0
		199	0.04	0.0	0.0	115,0,0	200	0.05	0.0	0.0	115,0,0
90	ok	187	0.11	0.0	0.0	102,0,0	238	0.09	0.0	0.0	98,0,0
		246	0.11	0.0	0.0	98,0,0	186	0.12	0.0	0.0	102,0,0
91	ok	283	0.08	0.0	0.0	91,0,0	245	0.08	0.0	0.0	91,0,0
		239	0.06	0.0	0.0	92,0,0	276	0.06	0.0	0.0	88,0,0
92	ok	161	0.49	0.0	0.0	91,0,0	108	0.39	0.0	0.0	94,0,0
		160	0.48	0.0	0.0	96,0,0	233	0.17	0.0	0.0	100,0,0
93	ok	121	0.14	0.0	0.0	91,0,0	302	0.10	0.0	0.0	94,0,0
		329	0.14	0.0	0.0	94,0,0	102	0.22	0.0	0.0	87,0,0
94	ok	273	0.05	0.0	0.0	91,0,0	214	0.04	0.0	0.0	91,0,0

		232	0.03	0.0	0.0	99,0,0	215	0.04	0.0	0.0	99,0,0
95	ok	276	0.06	0.0	0.0	91,0,0	239	0.06	0.0	0.0	87,0,0
		237	0.05	0.0	0.0	88,0,0	277	0.06	0.0	0.0	88,0,0
96	ok	195	0.06	0.0	0.0	91,0,0	152	0.07	0.0	0.0	91,0,0
		151	0.07	0.0	0.0	91,0,0	196	0.05	0.0	0.0	91,0,0
97	ok	327	0.07	0.0	0.0	91,0,0	294	0.08	0.0	0.0	91,0,0
		283	0.06	0.0	0.0	91,0,0	316	0.06	0.0	0.0	91,0,0
98	ok	262	0.12	0.0	0.0	88,0,0	225	0.10	0.0	0.0	92,0,0
		211	0.11	0.0	0.0	88,0,0	255	0.12	0.0	0.0	92,0,0
99	ok	171	0.11	0.0	0.0	102,0,0	190	0.09	0.0	0.0	115,0,0
		206	0.10	0.0	0.0	115,0,0	172	0.10	0.0	0.0	111,0,0
100	ok	101	0.28	0.0	0.0	115,0,0	207	0.15	0.0	0.0	92,0,0
		205	0.07	0.0	0.0	117,0,0	173	0.15	0.0	0.0	118,0,0
101	ok	226	0.13	0.0	0.0	97,0,0	264	0.14	0.0	0.0	98,0,0
		265	0.14	0.0	0.0	97,0,0	219	0.13	0.0	0.0	97,0,0
102	ok	227	0.24	0.0	0.0	96,0,0	110	0.36	0.0	0.0	109,0,0
		148	0.18	0.0	0.0	99,0,0	220	0.08	0.0	0.0	96,0,0
103	ok	213	0.17	0.0	0.0	117,0,0	272	0.15	0.0	0.0	115,0,0
		212	0.18	0.0	0.0	109,0,0	231	0.16	0.0	0.0	97,0,0
104	ok	194	0.08	0.0	0.0	92,0,0	153	0.07	0.0	0.0	88,0,0
		152	0.07	0.0	0.0	88,0,0	195	0.06	0.0	0.0	88,0,0
105	ok	210	0.09	0.0	0.0	90,0,0	249	0.10	0.0	0.0	113,0,0
		261	0.11	0.0	0.0	93,0,0	224	0.11	0.0	0.0	93,0,0
106	ok	200	0.05	0.0	0.0	115,0,0	199	0.04	0.0	0.0	115,0,0
		142	0.04	0.0	0.0	115,0,0	141	0.05	0.0	0.0	115,0,0
107	ok	199	0.05	0.0	0.0	99,0,0	215	0.04	0.0	0.0	99,0,0
		143	0.04	0.0	0.0	99,0,0	142	0.04	0.0	0.0	99,0,0
108	ok	242	0.10	0.0	0.0	92,0,0	192	0.11	0.0	0.0	112,0,0
		193	0.10	0.0	0.0	104,0,0	248	0.11	0.0	0.0	88,0,0
109	ok	196	0.05	0.0	0.0	91,0,0	151	0.07	0.0	0.0	91,0,0
		150	0.06	0.0	0.0	91,0,0	197	0.06	0.0	0.0	88,0,0
110	ok	249	0.09	0.0	0.0	113,0,0	295	0.07	0.0	0.0	93,0,0
		288	0.08	0.0	0.0	93,0,0	261	0.10	0.0	0.0	93,0,0
111	ok	225	0.27	0.0	0.0	92,0,0	109	0.37	0.0	0.0	109,0,0
		154	0.19	0.0	0.0	110,0,0	211	0.09	0.0	0.0	108,0,0
112	ok	281	0.07	0.0	0.0	90,0,0	313	0.06	0.0	0.0	90,0,0
		308	0.07	0.0	0.0	101,0,0	279	0.08	0.0	0.0	102,0,0
113	ok	292	0.08	0.0	0.0	91,0,0	266	0.07	0.0	0.0	87,0,0
		257	0.07	0.0	0.0	91,0,0	300	0.07	0.0	0.0	91,0,0
114	ok	133	0.20	0.0	0.0	91,0,0	349	0.13	0.0	0.0	91,0,0
		350	0.16	0.0	0.0	94,0,0	104	0.23	0.0	0.0	91,0,0
115	ok	164	0.13	0.0	0.0	118,0,0	163	0.17	0.0	0.0	118,0,0
		223	0.16	0.0	0.0	118,0,0	221	0.11	0.0	0.0	110,0,0
116	ok	205	0.06	0.0	0.0	117,0,0	253	0.07	0.0	0.0	113,0,0
		249	0.10	0.0	0.0	93,0,0	210	0.10	0.0	0.0	113,0,0
117	ok	328	0.05	0.0	0.0	94,0,0	131	0.07	0.0	0.0	87,0,0
		133	0.09	0.0	0.0	109,0,0	319	0.07	0.0	0.0	89,0,0
118	ok	235	0.04	0.0	0.0	97,0,0	243	0.05	0.0	0.0	97,0,0
		200	0.05	0.0	0.0	117,0,0	201	0.05	0.0	0.0	117,0,0
119	ok	257	0.09	0.0	0.0	91,0,0	220	0.08	0.0	0.0	99,0,0
		198	0.06	0.0	0.0	91,0,0	254	0.06	0.0	0.0	91,0,0
120	ok	178	0.12	0.0	0.0	89,0,0	187	0.11	0.0	0.0	102,0,0
		186	0.12	0.0	0.0	102,0,0	179	0.11	0.0	0.0	102,0,0
121	ok	272	0.16	0.0	0.0	115,0,0	250	0.13	0.0	0.0	115,0,0
		204	0.14	0.0	0.0	115,0,0	212	0.16	0.0	0.0	115,0,0
122	ok	217	0.14	0.0	0.0	105,0,0	258	0.14	0.0	0.0	89,0,0
		264	0.15	0.0	0.0	98,0,0	226	0.12	0.0	0.0	90,0,0
123	ok	304	0.11	0.0	0.0	115,0,0	282	0.08	0.0	0.0	115,0,0
		241	0.10	0.0	0.0	115,0,0	250	0.13	0.0	0.0	115,0,0
124	ok	212	0.17	0.0	0.0	115,0,0	204	0.14	0.0	0.0	117,0,0
		137	0.14	0.0	0.0	117,0,0	136	0.14	0.0	0.0	117,0,0
125	ok	183	0.16	0.0	0.0	117,0,0	213	0.13	0.0	0.0	117,0,0
		231	0.18	0.0	0.0	117,0,0	184	0.09	0.0	0.0	117,0,0
126	ok	189	0.11	0.0	0.0	101,0,0	244	0.09	0.0	0.0	101,0,0
		240	0.09	0.0	0.0	118,0,0	188	0.11	0.0	0.0	94,0,0
127	ok	248	0.10	0.0	0.0	88,0,0	193	0.09	0.0	0.0	92,0,0
		216	0.13	0.0	0.0	92,0,0	256	0.13	0.0	0.0	92,0,0
128	ok	263	0.14	0.0	0.0	91,0,0	191	0.14	0.0	0.0	91,0,0
		192	0.11	0.0	0.0	108,0,0	242	0.10	0.0	0.0	92,0,0
129	ok	347	0.07	0.0	0.0	94,0,0	326	0.10	0.0	0.0	94,0,0
		312	0.10	0.0	0.0	89,0,0	350	0.06	0.0	0.0	91,0,0
130	ok	188	0.10	0.0	0.0	89,0,0	240	0.09	0.0	0.0	113,0,0
		238	0.10	0.0	0.0	102,0,0	187	0.11	0.0	0.0	102,0,0
131	ok	202	0.07	0.0	0.0	111,0,0	201	0.06	0.0	0.0	117,0,0
		140	0.06	0.0	0.0	117,0,0	139	0.08	0.0	0.0	117,0,0
132	ok	238	0.09	0.0	0.0	98,0,0	278	0.08	0.0	0.0	102,0,0
		285	0.08	0.0	0.0	98,0,0	246	0.10	0.0	0.0	102,0,0

133	ok	186	0.11	0.0	0.0	115,0,0	246	0.10	0.0	0.0	98,0,0
		258	0.15	0.0	0.0	102,0,0	217	0.14	0.0	0.0	89,0,0
134	ok	185	0.13	0.0	0.0	115,0,0	260	0.13	0.0	0.0	115,0,0
		272	0.16	0.0	0.0	115,0,0	213	0.15	0.0	0.0	115,0,0
135	ok	261	0.10	0.0	0.0	93,0,0	288	0.08	0.0	0.0	93,0,0
		291	0.07	0.0	0.0	93,0,0	252	0.10	0.0	0.0	94,0,0
136	ok	298	0.07	0.0	0.0	88,0,0	259	0.07	0.0	0.0	92,0,0
		266	0.07	0.0	0.0	91,0,0	292	0.08	0.0	0.0	91,0,0
137	ok	219	0.13	0.0	0.0	97,0,0	265	0.15	0.0	0.0	105,0,0
		260	0.14	0.0	0.0	115,0,0	185	0.14	0.0	0.0	115,0,0
138	ok	224	0.11	0.0	0.0	93,0,0	261	0.11	0.0	0.0	93,0,0
		252	0.10	0.0	0.0	89,0,0	209	0.12	0.0	0.0	94,0,0
139	ok	271	0.09	0.0	0.0	94,0,0	268	0.12	0.0	0.0	90,0,0
		306	0.11	0.0	0.0	99,0,0	301	0.08	0.0	0.0	115,0,0
140	ok	221	0.11	0.0	0.0	110,0,0	223	0.15	0.0	0.0	114,0,0
		268	0.13	0.0	0.0	106,0,0	271	0.09	0.0	0.0	90,0,0
141	ok	254	0.06	0.0	0.0	91,0,0	198	0.06	0.0	0.0	91,0,0
		214	0.05	0.0	0.0	99,0,0	273	0.05	0.0	0.0	91,0,0
142	ok	236	0.06	0.0	0.0	115,0,0	235	0.05	0.0	0.0	97,0,0
		201	0.06	0.0	0.0	117,0,0	202	0.07	0.0	0.0	111,0,0
143	ok	251	0.05	0.0	0.0	99,0,0	273	0.05	0.0	0.0	99,0,0
		215	0.04	0.0	0.0	99,0,0	199	0.05	0.0	0.0	99,0,0
144	ok	245	0.08	0.0	0.0	91,0,0	194	0.08	0.0	0.0	88,0,0
		195	0.07	0.0	0.0	104,0,0	239	0.06	0.0	0.0	88,0,0
145	ok	247	0.06	0.0	0.0	88,0,0	197	0.06	0.0	0.0	109,0,0
		218	0.08	0.0	0.0	88,0,0	259	0.09	0.0	0.0	88,0,0
146	ok	267	0.04	0.0	0.0	91,0,0	358	0.05	0.0	0.0	115,0,0
		359	0.05	0.0	0.0	115,0,0	269	0.04	0.0	0.0	91,0,0
147	ok	303	0.06	0.0	0.0	91,0,0	254	0.06	0.0	0.0	91,0,0
		273	0.05	0.0	0.0	99,0,0	251	0.05	0.0	0.0	99,0,0
148	ok	332	0.08	0.0	0.0	111,0,0	290	0.09	0.0	0.0	111,0,0
		287	0.09	0.0	0.0	104,0,0	322	0.08	0.0	0.0	104,0,0
149	ok	297	0.11	0.0	0.0	88,0,0	256	0.11	0.0	0.0	88,0,0
		262	0.11	0.0	0.0	92,0,0	289	0.11	0.0	0.0	88,0,0
150	ok	241	0.09	0.0	0.0	115,0,0	236	0.06	0.0	0.0	115,0,0
		202	0.08	0.0	0.0	115,0,0	203	0.10	0.0	0.0	115,0,0
151	ok	255	0.12	0.0	0.0	92,0,0	211	0.11	0.0	0.0	88,0,0
		194	0.09	0.0	0.0	104,0,0	245	0.08	0.0	0.0	91,0,0
152	ok	269	0.05	0.0	0.0	91,0,0	359	0.04	0.0	0.0	91,0,0
		352	0.04	0.0	0.0	99,0,0	363	0.04	0.0	0.0	115,0,0
153	ok	250	0.13	0.0	0.0	115,0,0	241	0.10	0.0	0.0	115,0,0
		203	0.11	0.0	0.0	115,0,0	204	0.14	0.0	0.0	115,0,0
154	ok	228	0.24	0.0	0.0	91,0,0	233	0.22	0.0	0.0	88,0,0
		222	0.22	0.0	0.0	96,0,0	274	0.17	0.0	0.0	91,0,0
155	ok	223	0.16	0.0	0.0	92,0,0	228	0.19	0.0	0.0	96,0,0
		274	0.16	0.0	0.0	96,0,0	268	0.15	0.0	0.0	91,0,0
156	ok	237	0.05	0.0	0.0	91,0,0	196	0.05	0.0	0.0	91,0,0
		197	0.06	0.0	0.0	88,0,0	247	0.06	0.0	0.0	88,0,0
157	ok	264	0.12	0.0	0.0	89,0,0	293	0.11	0.0	0.0	90,0,0
		299	0.11	0.0	0.0	105,0,0	265	0.12	0.0	0.0	105,0,0
158	ok	258	0.11	0.0	0.0	90,0,0	296	0.10	0.0	0.0	90,0,0
		293	0.11	0.0	0.0	89,0,0	264	0.12	0.0	0.0	89,0,0
159	ok	301	0.08	0.0	0.0	90,0,0	306	0.11	0.0	0.0	93,0,0
		290	0.09	0.0	0.0	99,0,0	332	0.08	0.0	0.0	111,0,0
160	ok	290	0.11	0.0	0.0	92,0,0	242	0.10	0.0	0.0	92,0,0
		248	0.10	0.0	0.0	88,0,0	287	0.11	0.0	0.0	88,0,0
161	ok	253	0.07	0.0	0.0	115,0,0	305	0.05	0.0	0.0	115,0,0
		295	0.07	0.0	0.0	93,0,0	249	0.09	0.0	0.0	113,0,0
162	ok	339	0.06	0.0	0.0	117,0,0	316	0.06	0.0	0.0	94,0,0
		307	0.05	0.0	0.0	94,0,0	336	0.05	0.0	0.0	88,0,0
163	ok	321	0.05	0.0	0.0	88,0,0	286	0.05	0.0	0.0	104,0,0
		298	0.06	0.0	0.0	92,0,0	325	0.06	0.0	0.0	92,0,0
164	ok	260	0.13	0.0	0.0	115,0,0	304	0.12	0.0	0.0	113,0,0
		250	0.13	0.0	0.0	113,0,0	272	0.15	0.0	0.0	115,0,0
165	ok	285	0.07	0.0	0.0	97,0,0	320	0.08	0.0	0.0	109,0,0
		324	0.04	0.0	0.0	96,0,0	296	0.07	0.0	0.0	114,0,0
166	ok	342	0.13	0.0	0.0	109,0,0	343	0.08	0.0	0.0	88,0,0
		346	0.19	0.0	0.0	97,0,0	106	0.22	0.0	0.0	108,0,0
167	ok	240	0.09	0.0	0.0	93,0,0	279	0.08	0.0	0.0	113,0,0
		278	0.08	0.0	0.0	102,0,0	238	0.10	0.0	0.0	102,0,0
168	ok	244	0.09	0.0	0.0	93,0,0	281	0.07	0.0	0.0	93,0,0
		279	0.08	0.0	0.0	102,0,0	240	0.09	0.0	0.0	118,0,0
169	ok	306	0.12	0.0	0.0	92,0,0	263	0.13	0.0	0.0	100,0,0
		242	0.10	0.0	0.0	88,0,0	290	0.11	0.0	0.0	92,0,0
170	ok	325	0.06	0.0	0.0	87,0,0	298	0.06	0.0	0.0	92,0,0
		292	0.06	0.0	0.0	99,0,0	318	0.06	0.0	0.0	107,0,0
171	ok	275	0.04	0.0	0.0	89,0,0	280	0.06	0.0	0.0	89,0,0

		235	0.05	0.0	0.0	97,0,0	236	0.06	0.0	0.0	115,0,0
172	ok	317	0.05	0.0	0.0	97,0,0	330	0.08	0.0	0.0	109,0,0
		284	0.06	0.0	0.0	97,0,0	280	0.04	0.0	0.0	97,0,0
173	ok	288	0.08	0.0	0.0	93,0,0	311	0.08	0.0	0.0	115,0,0
		323	0.04	0.0	0.0	115,0,0	291	0.07	0.0	0.0	94,0,0
174	ok	277	0.06	0.0	0.0	88,0,0	237	0.05	0.0	0.0	88,0,0
		247	0.06	0.0	0.0	88,0,0	286	0.07	0.0	0.0	88,0,0
175	ok	287	0.11	0.0	0.0	88,0,0	248	0.10	0.0	0.0	88,0,0
		256	0.11	0.0	0.0	88,0,0	297	0.11	0.0	0.0	88,0,0
176	ok	299	0.08	0.0	0.0	115,0,0	331	0.08	0.0	0.0	115,0,0
		282	0.08	0.0	0.0	115,0,0	304	0.11	0.0	0.0	115,0,0
177	ok	314	0.06	0.0	0.0	112,0,0	317	0.06	0.0	0.0	90,0,0
		280	0.06	0.0	0.0	89,0,0	275	0.04	0.0	0.0	89,0,0
178	ok	279	0.07	0.0	0.0	113,0,0	308	0.07	0.0	0.0	113,0,0
		310	0.06	0.0	0.0	102,0,0	278	0.08	0.0	0.0	102,0,0
179	ok	102	0.22	0.0	0.0	91,0,0	329	0.16	0.0	0.0	93,0,0
		333	0.14	0.0	0.0	93,0,0	131	0.18	0.0	0.0	87,0,0
180	ok	252	0.10	0.0	0.0	93,0,0	291	0.07	0.0	0.0	93,0,0
		281	0.07	0.0	0.0	90,0,0	244	0.09	0.0	0.0	89,0,0
181	ok	291	0.07	0.0	0.0	94,0,0	323	0.04	0.0	0.0	91,0,0
		313	0.08	0.0	0.0	94,0,0	281	0.08	0.0	0.0	90,0,0
182	ok	246	0.09	0.0	0.0	90,0,0	285	0.08	0.0	0.0	98,0,0
		296	0.10	0.0	0.0	90,0,0	258	0.12	0.0	0.0	90,0,0
183	ok	329	0.08	0.0	0.0	94,0,0	348	0.12	0.0	0.0	94,0,0
		351	0.12	0.0	0.0	94,0,0	333	0.08	0.0	0.0	91,0,0
184	ok	319	0.09	0.0	0.0	113,0,0	133	0.09	0.0	0.0	97,0,0
		104	0.21	0.0	0.0	113,0,0	311	0.10	0.0	0.0	117,0,0
185	ok	344	0.07	0.0	0.0	91,0,0	345	0.08	0.0	0.0	94,0,0
		339	0.07	0.0	0.0	94,0,0	338	0.06	0.0	0.0	90,0,0
186	ok	330	0.06	0.0	0.0	91,0,0	300	0.06	0.0	0.0	91,0,0
		303	0.05	0.0	0.0	99,0,0	284	0.05	0.0	0.0	97,0,0
187	ok	284	0.05	0.0	0.0	99,0,0	303	0.05	0.0	0.0	115,0,0
		251	0.05	0.0	0.0	115,0,0	243	0.05	0.0	0.0	99,0,0
188	ok	270	0.08	0.0	0.0	94,0,0	271	0.13	0.0	0.0	94,0,0
		301	0.12	0.0	0.0	94,0,0	302	0.07	0.0	0.0	94,0,0
189	ok	315	0.17	0.0	0.0	96,0,0	106	0.43	0.0	0.0	109,0,0
		314	0.13	0.0	0.0	110,0,0	331	0.11	0.0	0.0	91,0,0
190	ok	294	0.10	0.0	0.0	91,0,0	255	0.09	0.0	0.0	91,0,0
		245	0.07	0.0	0.0	91,0,0	283	0.08	0.0	0.0	91,0,0
191	ok	286	0.06	0.0	0.0	88,0,0	247	0.06	0.0	0.0	88,0,0
		259	0.07	0.0	0.0	92,0,0	298	0.07	0.0	0.0	88,0,0
192	ok	335	0.06	0.0	0.0	111,0,0	336	0.06	0.0	0.0	109,0,0
		334	0.05	0.0	0.0	91,0,0	337	0.06	0.0	0.0	111,0,0
193	ok	106	0.26	0.0	0.0	99,0,0	346	0.20	0.0	0.0	97,0,0
		317	0.09	0.0	0.0	96,0,0	314	0.12	0.0	0.0	107,0,0
194	ok	296	0.07	0.0	0.0	114,0,0	324	0.03	0.0	0.0	102,0,0
		315	0.09	0.0	0.0	118,0,0	293	0.10	0.0	0.0	89,0,0
195	ok	293	0.10	0.0	0.0	89,0,0	315	0.09	0.0	0.0	118,0,0
		331	0.06	0.0	0.0	102,0,0	299	0.07	0.0	0.0	99,0,0
196	ok	334	0.05	0.0	0.0	91,0,0	309	0.05	0.0	0.0	97,0,0
		321	0.05	0.0	0.0	97,0,0	340	0.04	0.0	0.0	91,0,0
197	ok	336	0.06	0.0	0.0	111,0,0	307	0.05	0.0	0.0	117,0,0
		309	0.05	0.0	0.0	97,0,0	334	0.05	0.0	0.0	91,0,0
198	ok	326	0.08	0.0	0.0	88,0,0	297	0.09	0.0	0.0	96,0,0
		289	0.09	0.0	0.0	104,0,0	312	0.07	0.0	0.0	104,0,0
199	ok	318	0.06	0.0	0.0	107,0,0	292	0.06	0.0	0.0	107,0,0
		300	0.06	0.0	0.0	91,0,0	330	0.06	0.0	0.0	91,0,0
200	ok	322	0.08	0.0	0.0	104,0,0	287	0.09	0.0	0.0	104,0,0
		297	0.09	0.0	0.0	104,0,0	326	0.08	0.0	0.0	108,0,0
201	ok	313	0.06	0.0	0.0	93,0,0	338	0.06	0.0	0.0	93,0,0
		335	0.06	0.0	0.0	101,0,0	308	0.07	0.0	0.0	93,0,0
202	ok	129	0.05	0.0	0.0	90,0,0	102	0.09	0.0	0.0	111,0,0
		131	0.07	0.0	0.0	115,0,0	328	0.04	0.0	0.0	93,0,0
203	ok	350	0.07	0.0	0.0	99,0,0	312	0.10	0.0	0.0	93,0,0
		327	0.09	0.0	0.0	93,0,0	345	0.07	0.0	0.0	94,0,0
204	ok	331	0.11	0.0	0.0	91,0,0	314	0.09	0.0	0.0	91,0,0
		275	0.04	0.0	0.0	89,0,0	282	0.05	0.0	0.0	90,0,0
205	ok	316	0.06	0.0	0.0	91,0,0	283	0.06	0.0	0.0	91,0,0
		276	0.05	0.0	0.0	91,0,0	307	0.05	0.0	0.0	91,0,0
206	ok	278	0.08	0.0	0.0	97,0,0	310	0.07	0.0	0.0	101,0,0
		320	0.05	0.0	0.0	101,0,0	285	0.07	0.0	0.0	102,0,0
207	ok	309	0.05	0.0	0.0	111,0,0	277	0.05	0.0	0.0	88,0,0
		286	0.05	0.0	0.0	104,0,0	321	0.05	0.0	0.0	88,0,0
208	ok	346	0.07	0.0	0.0	108,0,0	318	0.06	0.0	0.0	88,0,0
		330	0.07	0.0	0.0	109,0,0	317	0.08	0.0	0.0	108,0,0
209	ok	323	0.07	0.0	0.0	91,0,0	344	0.08	0.0	0.0	91,0,0
		338	0.06	0.0	0.0	90,0,0	313	0.08	0.0	0.0	90,0,0

210	ok	311	0.08	0.0	0.0	100,0,0	104	0.29	0.0	0.0	117,0,0
		344	0.12	0.0	0.0	94,0,0	323	0.08	0.0	0.0	91,0,0
211	ok	312	0.07	0.0	0.0	88,0,0	289	0.09	0.0	0.0	88,0,0
		294	0.08	0.0	0.0	91,0,0	327	0.07	0.0	0.0	91,0,0
212	ok	324	0.09	0.0	0.0	96,0,0	342	0.16	0.0	0.0	109,0,0
		106	0.32	0.0	0.0	89,0,0	315	0.14	0.0	0.0	96,0,0
213	ok	310	0.07	0.0	0.0	101,0,0	337	0.06	0.0	0.0	115,0,0
		341	0.05	0.0	0.0	109,0,0	320	0.06	0.0	0.0	109,0,0
214	ok	333	0.08	0.0	0.0	91,0,0	351	0.12	0.0	0.0	94,0,0
		347	0.11	0.0	0.0	94,0,0	349	0.07	0.0	0.0	91,0,0
215	ok	351	0.07	0.0	0.0	90,0,0	322	0.10	0.0	0.0	90,0,0
		326	0.10	0.0	0.0	94,0,0	347	0.07	0.0	0.0	94,0,0
216	ok	302	0.08	0.0	0.0	94,0,0	301	0.12	0.0	0.0	94,0,0
		348	0.11	0.0	0.0	94,0,0	329	0.08	0.0	0.0	94,0,0
217	ok	338	0.06	0.0	0.0	93,0,0	339	0.06	0.0	0.0	90,0,0
		336	0.05	0.0	0.0	98,0,0	335	0.06	0.0	0.0	101,0,0
218	ok	337	0.06	0.0	0.0	115,0,0	334	0.05	0.0	0.0	91,0,0
		340	0.06	0.0	0.0	97,0,0	341	0.05	0.0	0.0	97,0,0
219	ok	340	0.05	0.0	0.0	117,0,0	321	0.05	0.0	0.0	97,0,0
		325	0.07	0.0	0.0	97,0,0	343	0.06	0.0	0.0	109,0,0
220	ok	345	0.06	0.0	0.0	93,0,0	327	0.09	0.0	0.0	93,0,0
		316	0.06	0.0	0.0	94,0,0	339	0.06	0.0	0.0	90,0,0
221	ok	308	0.07	0.0	0.0	105,0,0	335	0.06	0.0	0.0	111,0,0
		337	0.06	0.0	0.0	115,0,0	310	0.06	0.0	0.0	113,0,0
222	ok	348	0.09	0.0	0.0	90,0,0	332	0.11	0.0	0.0	90,0,0
		322	0.10	0.0	0.0	90,0,0	351	0.07	0.0	0.0	90,0,0
223	ok	341	0.05	0.0	0.0	101,0,0	340	0.06	0.0	0.0	97,0,0
		343	0.06	0.0	0.0	97,0,0	342	0.05	0.0	0.0	104,0,0
224	ok	320	0.08	0.0	0.0	109,0,0	341	0.05	0.0	0.0	115,0,0
		342	0.08	0.0	0.0	96,0,0	324	0.07	0.0	0.0	108,0,0
225	ok	131	0.18	0.0	0.0	92,0,0	333	0.14	0.0	0.0	93,0,0
		349	0.13	0.0	0.0	91,0,0	133	0.18	0.0	0.0	92,0,0
226	ok	104	0.25	0.0	0.0	91,0,0	350	0.16	0.0	0.0	94,0,0
		345	0.08	0.0	0.0	115,0,0	344	0.12	0.0	0.0	94,0,0
227	ok	348	0.08	0.0	0.0	90,0,0	301	0.10	0.0	0.0	90,0,0
		332	0.10	0.0	0.0	90,0,0					
228	ok	349	0.08	0.0	0.0	91,0,0	347	0.12	0.0	0.0	94,0,0
		350	0.10	0.0	0.0	94,0,0					

Guscio

V N/M
0.49

V V/T cls
0.0

V V/T acc
0.0

V N/M

V V/T cls

V V/T acc