REGIONE PUGLIA

AREE POLITICHE PER LO SVILUPPO ECONOMICO, IL LAVORO E L'INNOVAZIONE
SERVIZIO COMPETITIVITÀ DEI SISTEMI PRODUTTIVI
UFFICIO AREE INDUSTRIALI E PRODUTTIVE

CONSORZIO ASI
Area Sviluppo Industriale Taranto

RIQUALIFICAZIONE ENERGETICA
II LOTTO FUNZIONALE
INCUBATORE ASI (EX CISI)

VIA DEL TRATTURELLO TARANTINO N.6, *ZONA P.I.P. - TARANTO*

IMPIANTO FOTOVOLTAICO
PROGETTO ESECUTIVO

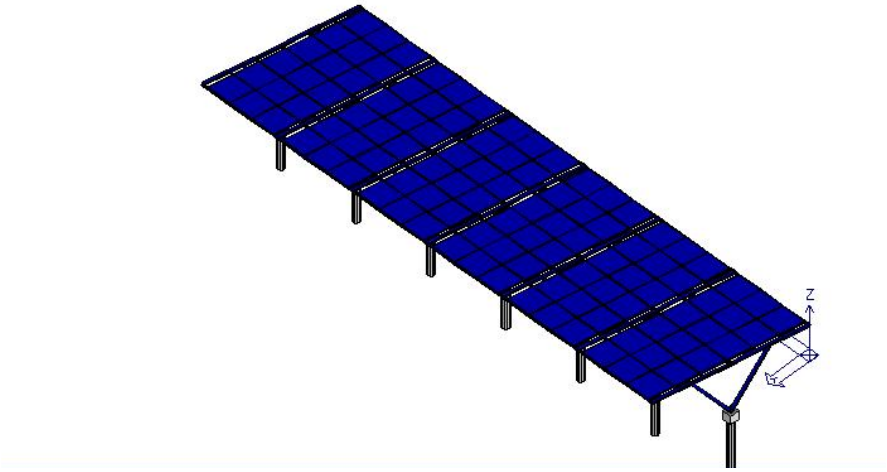
TITOLO:	ALLEGATO
RELAZIONE SISMICA PENSILINA FOTOVOLTAICA	**A03**

PROGETTISTA :
Ing. TEDESCO Pietro

R.U.P. :
Geom. VETTORE Mario

Rev.	**Descrizione**	**Data : 23/06/2017**

Relazione di calcolo strutturale impostata e redatta secondo le modalità previste nel D.M. 14 Gennaio 2008 cap. 10 "Redazione dei progetti strutturali esecutivi e delle relazioni di calcolo".



INTESTAZIONE E CONTENUTI DELLA RELAZIONE

Progetto
Oggetto della presente relazione sono i criteri di calcolo adottati nel dimensionamento degli elementi portanti di un insieme di pensiline fotovoltaiche in acciaio. L'intervento è previsto nella zona PIP di Taranto al quartiere Paolo VI.

Contenuti della relazione:
RELAZIONE DI CALCOLO STRUTTURALE
- Origine e Caratteristiche dei Codici di Calcolo
- Affidabilità dei codici utilizzati
- Validazione dei codici
- Tipo di analisi svolta
- Modalità di presentazione dei risultati
- Informazioni generali sull'elaborazione
- Giudizio motivato di accettabilità dei risultati
STAMPA DEI DATI DI INGRESSO
- Normative prese a riferimento
- Criteri adottati per le misure di sicurezza
- Criteri seguiti nella schematizzazione della struttura, dei vincoli e delle sconessioni
- Interazione tra terreno e struttura
- Legami costitutivi adottati per la modellazione dei materiali e dei terreni
- Schematizzazione delle azioni, condizioni e combinazioni di carico
- Metodologie numeriche utilizzate per l' analisi strutturale
-Metodologie numeriche utilizzate per la progettazione e la verifica degli elementi strutturali
STAMPA DEI RISULTATI

RELAZIONE DI CALCOLO STRUTTURALE

Premessa

La presente relazione di calcolo strutturale, in conformità al §10.1 del DM 14/01/08, 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

Di seguito si illustrano le caratteristiche dell'opera tipo.

Descrizione generale dell'opera	
Fabbricato ad uso	Industriale
Ubicazione	Comune di TARANTO (TA) (Regione PUGLIA)
	Località TARANTO (TA)
	Longitudine 17.253, Latitudine 40.521
Numero di piani	Fuori terra uno
	Interrati zero
	le dimensioni dell'opera in pianta sono racchiuse in un rettangolo di 12 x 33,60 m
Tipo di fondazione	Plinto su palo

Parametri della struttura			
Classe d'uso	Vita Vn [anni]	Coeff. Uso	Periodo Vr [anni]
II	50.0	1.0	50.0

Fattore di struttura
Il fattore di struttura utilizzato è pari a 1.

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. 14-01-2008
Progetto acciaio	D.M. 14-01-2008
Progetto legno	D.M. 14-01-2008
Progetto muratura	D.M. 14-01-2008
Azione sismica	
Norma applicata per l' azione sismica	D.M. 14-01-2008

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:

K * **u** = **F** dove **K** = matrice di rigidezza
u = vettore spostamenti nodali
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 delle NTC-08, tale da garantirne la leggibilità, la corretta interpretazione e la riproducibilità

Tipo di analisi strutturale	
Statica lineare	SI
Statica non lineare	NO
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

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:	LT (build 2015-07-170)
Produttore-Distributore:	2S.I. Software e Servizi per l'Ingegneria s.r.l., Ferrara
Codice Licenza:	Licenza dsi2557

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: http://www.2si.it/Software/Affidabilità.htm

Modellazione della geometria e proprietà meccaniche:	
nodi	266
elementi D2 (per aste, travi, pilastri…)	452
elementi D3 (per pareti, platee, gusci…)	0
elementi solaio	108
elementi solidi	0
Dimensione del modello strutturale [cm]:	
X min =	0.00
Xmax =	3360.00
Ymin =	0.00
Ymax =	1175.00
Zmin =	0.00
Zmax =	475.00
Strutture verticali:	

Elementi di tipo asta	NO
Pilastri	NO
Pareti	NO
Setti (a comportamento membranale)	NO
Strutture non verticali:	
Elementi di tipo asta	NO
Travi	SI
Gusci	NO
Membrane	NO
Orizzontamenti:	
Solai con la proprietà piano rigido	NO
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)	SI
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
Tensioni ammissibili	NO
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)	SI

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.

2.8.1. Risultati dell'analisi modale

Viene riportato il tipo di analisi modale condotta, restituiti i risultati della stessa e valutate le informazioni desumibili in merito al comportamento della struttura.

2.8.2. Deformate e sollecitazioni per condizioni di carico

Vengono riportati i principali risultati atti a descrivere il comportamento della struttura, in termini di stati di sollecitazione e di deformazione generalizzata, distinti per condizione elementare di carico o per combinazioni omogenee delle stesse.

2.8.3. Inviluppo delle sollecitazioni maggiormente significative. L'analisi e la restituzione degli inviluppi (nelle combinazioni considerate agli SLU e agli SLE) delle caratteristiche di sollecitazione devono essere finalizzate alla valutazione dello stato di sollecitazione nei diversi elementi della struttura.

2.8.4. Reazioni vincolari

Vengono riportate le reazioni dei vincoli nelle singole condizioni di carico e/o nelle combinazioni considerate.

2.8.5. Altri risultati significativi

Nella presente parte vengono riportati tutti gli altri risultati che il progettista ritiene di interesse per la descrizione e la comprensione del/i modello/i e del comportamento della struttura.

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 inviluppi 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 SLU 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.

RELAZIONE SUI MATERIALI

Il capitolo Materiali riportata informazioni esaustive relative all'elenco dei materiali impiegati e loro modalità di posa in opera e ai valori di calcolo.

NORMATIVA DI RIFERIMENTO

1. D.Min. Infrastrutture Min. Interni e Prot. Civile 14 Gennaio 2008 e allegate "Norme tecniche per le costruzioni".
2. D.Min. Infrastrutture e trasporti 14 Settembre 2005 e allegate "Norme tecniche per le costruzioni".
3. 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".
4. 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>>".
5. D.M. LL.PP. 16 Gennaio 1996 "Norme tecniche per le costruzioni in zone sismiche".
6. 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.
7. 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.
8. D.M. LL.PP. 20 Novembre 1987 "Norme tecniche per la progettazione, esecuzione e collaudo degli edifici in muratura e per il loro consolidamento".
9. 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”.
10. 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”.
11. D.M. LL.PP. 3 Dicembre 1987 “Norme tecniche per la progettazione, esecuzione e collaudo delle costruzioni prefabbricate”.
12. UNI 9502 - Procedimento analitico per valutare la resistenza al fuoco degli elementi costruttivi di conglomerato cementizio armato, normale e precompresso - edizione maggio 2001
13. 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.
14. UNI EN 1990:2006 13/04/2006 Eurocodice 0 - Criteri generali di progettazione strutturale.
15. 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.
16. UNI EN 1991-2:2005 01/03/2005 Eurocodice 1 - Azioni sulle strutture - Parte 2: Carichi da traffico sui ponti.
17. UNI EN 1991-1-3:2004 01/10/2004 Eurocodice 1 - Azioni sulle strutture - Parte 1-3: Azioni in generale - Carichi da neve.
18. UNI EN 1991-1-4:2005 01/07/2005 Eurocodice 1 - Azioni sulle strutture - Parte 1-4: Azioni in generale - Azioni del vento.
19. UNI EN 1991-1-5:2004 01/10/2004 Eurocodice 1 - Azioni sulle strutture - Parte 1-5: Azioni in generale - Azioni termiche.
20. 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.
21. 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.
22. 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.
23. UNI EN 1993-1-8:2005 01/08/2005 Eurocodice 3 - Progettazione delle strutture di acciaio - Parte 1-8: Progettazione dei collegamenti.
24. 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.
25. 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.
26. 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.
27. UNI EN 1995-2:2005 01/01/2005 Eurocodice 5 - Progettazione delle strutture di legno - Parte 2: Ponti.
28. 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.
29. 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.
30. UNI EN 1997-1:2005 01/02/2005 Eurocodice 7 - Progettazione geotecnica - Parte 1: Regole generali.
31. 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.
32. UNI EN 1998-3:2005 01/08/2005 Eurocodice 8 - Progettazione delle strutture per la resistenza sismica - Parte 3: Valutazione e adeguamento degli edifici.

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.

NOTA sul capitolo "normativa di riferimento": 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 norme antecedenti al DM 14.01.08 è dovuto o a progettazione simulata di edifico esistente o ad applicazione del punto 2.7 del DM 14.01.08

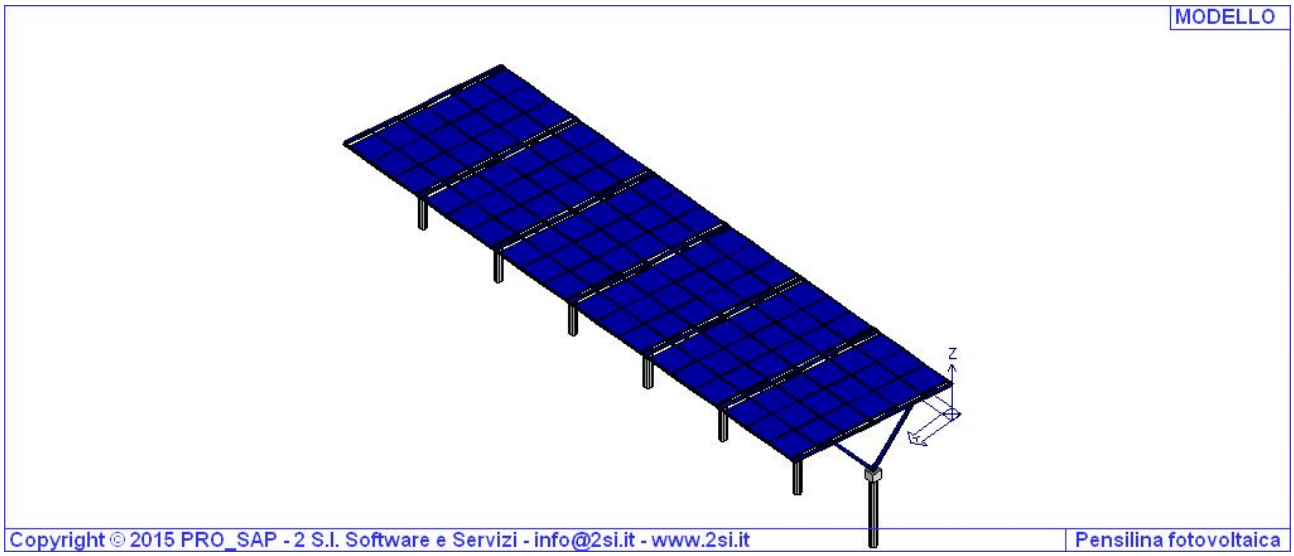


Fig. 1

MATERIALI E COPRIFERRI PER STRUTTURE IN CA

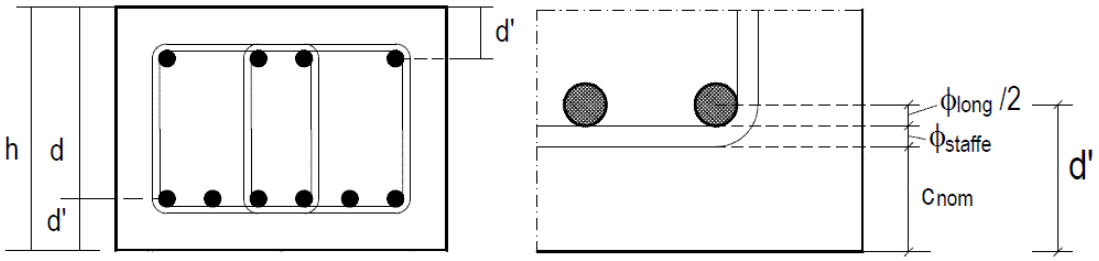
Classe di esposizione ambientale	Copriferro $c_{min,dur}$ [mm]							
	15	25	30	35	40	45	50	55
XC1	C25/30, 0.60, 300							
XC2	C25/30, 0.60, 300							
XC3	C28/35, 0.55, 320							
XC4	C32/40, 0.50, 340							
XD1	C28/35, 0.55, 320							
XD2	C35/45, 0.45, 360							
XD3	C35/45, 0.45, 360							
XS1	C28/35, 0.55, 320							
XS2	C35/45, 0.45, 360							
XS3	C35/45, 0.45, 360							
XF1	C28/35, 0,50, 320							
XF2 – XF3	C25/30, 0,50, 340							
XF4	C28/35, 0,45, 360							
XA1	C28/35, 0,55, 320							
XA2	C32/40, 0,50, 340							
XA3	C35/45, 0,45, 360							

50 anni

100 anni

$$c_{nom} = \max (c_{min,b}, c_{min,dur}) + 10 \ (mm) \geq 20 \ mm$$

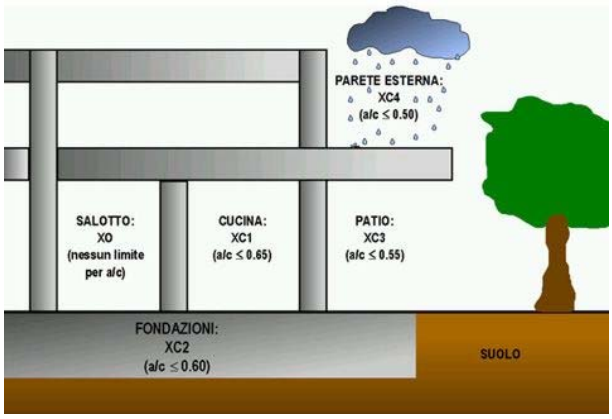
$c_{min,b} = \phi\sqrt{n_b}$ n_b numero di barre di un eventuale gruppo di barre; per barra singola $n_b = 1$.

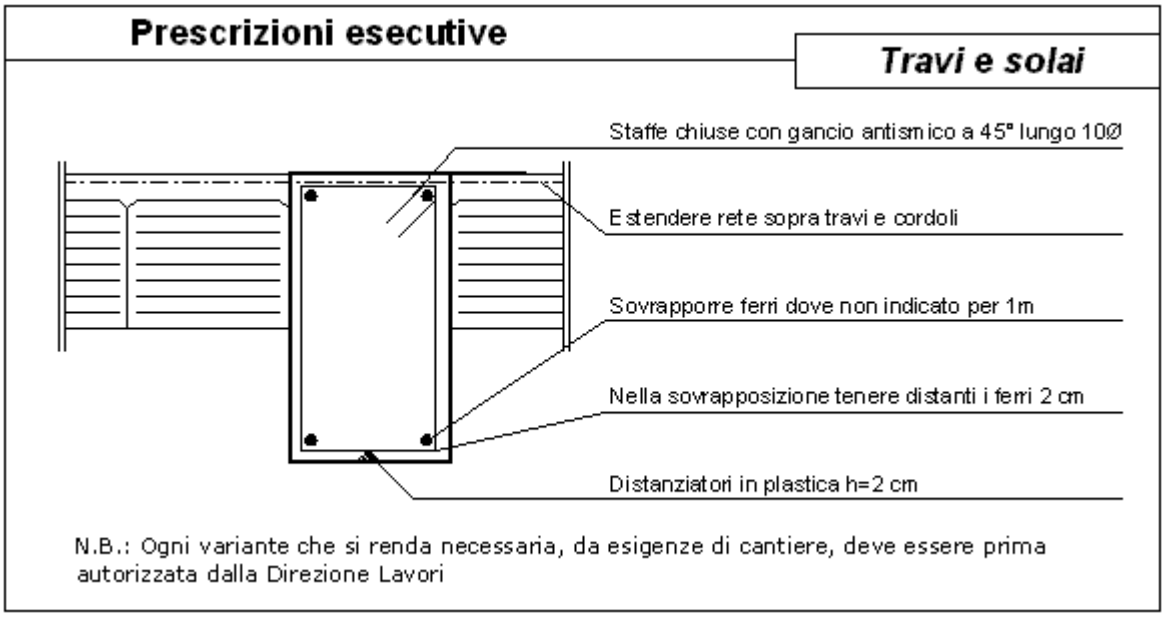


Altezze d e d'

DURABILITA'

1 Nessun rischio di corrosione o di attacco		
X0	Calcestruzzo privo di armatura o inserti metallici: tutte le esposizioni eccetto dove c'è gelo/disgelo, abrasione o attacco chimico. Calcestruzzo con armatura o inserti metallici molto asciutto.	Calcestruzzo all'interno di edifici con umidità dell'aria molto bassa.
2 Corrosione indotta da carbonatazione		
XC1	Asciutto o permanentemente bagnato	Calcestruzzo all'interno di edifici con bassa umidità relativa. Calcestruzzo costantemente immerso in acqua
XC2	Bagnato, raramente asciutto	Superfici di calcestruzzo a contatto con acqua per lungo tempo. Molte fondazioni
XC3	Umidità moderata	Calcestruzzo all'interno di edifici con umidità dell'aria moderata oppure elevata. Calcestruzzo esposto all'esterno protetto dalla pioggia
XC4	Ciclicamente bagnato e asciutto	Superfici di calcestruzzo soggette al contatto con acqua, non nella classe di esposizione XC2
3 Corrosione indotta da cloruri		
XD1	Umidità moderata	Superfici di calcestruzzo esposte a nebbia salina
XD2	Bagnato, raramente asciutto	Piscine. Calcestruzzo esposto ad acque industriali contenenti cloruri
XD3	Ciclicamente bagnato ed asciutto	Parti di ponti esposte a spruzzi contenenti cloruri Pavimentazioni stradali e di parcheggi
4 Corrosione indotta da cloruri presenti nell'acqua di mare		
XS1	Esposto a nebbia salina ma non in contatto diretto con acqua di mare	Strutture prossime oppure sulla costa
XS2	Permanentemente sommerso	Parti di strutture marine
XS3	Zone esposte alle onde, agli spruzzi oppure alle maree	Parti di strutture marine
5 Attacco di cicli gelo/disgelo		
XF1	Moderata saturazione d'acqua, senza impiego di agente antigelo	Superfici verticali di calcestruzzo esposte alla pioggia e al gelo
XF2	Moderata saturazione d'acqua, con uso di agente antigelo	Superfici verticali di calcestruzzo di strutture stradali esposte al gelo e nebbia di agenti antigelo
XF3	Elevata saturazione d'acqua, senza antigelo	Superfici orizzontali di calcestruzzo esposte alla pioggia e al gelo
XF4	Elevata saturazione d'acqua, con antigelo oppure acqua di mare	Strade e impalcati da ponte esposti agli agenti antigelo Superfici di calcestruzzo esposte direttamente a nebbia contenente agenti antigelo e al gelo
6. Attacco chimico		
XA1	Ambiente chimico debolmente aggressivo	Suoli naturali ed acqua del terreno
XA2	Ambiente chimico moderatamente aggressivo	Suoli naturali ed acqua del terreno
XA3	Ambiente chimico fortemente aggressivo	Suoli naturali ed acqua del terreno





- Sovrapporre i ferri nelle riprese per almeno 60 diametri ;
- Impiegare distanziatori in plastica o pasta di cemento per garantire un copriferro (misurato dall'esterno ferro e non dal baricentro ferro) di almeno cm 2,5 per le travi e cm 3 per i pilastri (a meno di prescrizioni superiori per esigenze di REI) ;
- Estendere la rete nella soletta dei solai fino all'esterno cordolo o travi ;
- Sovrapporre le reti di cui sopra per almeno cm 20 ;
- Ancorare i ferri aggiuntivi superiori dei solai all'esterno delle travi di bordo, curando di tenere il baricentro a circa 2.5 cm dal filo superiore del getto della caldana del solaio ;
- Nella giunzione per sovrapposizione dei ferri, non legare i due ferri fra loro, ma tenerli distanziati di almeno cm 2 (interferro).

CARATTERISTICHE MATERIALI UTILIZZATI

LEGENDA TABELLA DATI MATERIALI

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
Poisson	coefficiente di contrazione trasversale
G	modulo di elasticità tangenziale
Gamma	peso specifico
Alfa	coefficiente di dilatazione termica

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	***cemento armato***		
		Rck	resistenza caratteristica cubica
		Fctm	resistenza media a trazione semplice
2	***acciaio***		
		Ft	tensione di rottura a trazione
		Fy	tensione di snervamento
		Fd	resistenza di calcolo
		Fdt	resistenza di calcolo per spess. t>40 mm
		Sadm	tensione ammissibile
		Sadmt	tensione ammissibile per spess. t>40 mm

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

Con riferimento al **Documento di Affidabilità** "*Test di validazione del software di calcolo PRO_SAP e dei moduli aggiuntivi PRO_SAP Modulo Geotecnico, PRO_CAD nodi acciaio e PRO_MST*" - versione Maggio 2011, disponibile per il download sul sito **www.2si.it**, si segnalano i seguenti esempi applicativi:

Modellazione di strutture in c.a.

Test N°	Titolo
41	GERARCHIA DELLE RESISTENZE PER TRAVI IN C.A.
42	GERARCHIA DELLE RESISTENZE PER PILASTRI IN C.A.
43	VERIFICA ALLE TA DI STRUTTURE IN C.A.
44	VERIFICA AGLI SLU DI STRUTTURE IN C.A.
45	VERIFICA A PUNZONAMENTO ALLO SLU DI PIASTRE IN C.A.
46	VERIFICA A PUNZONAMENTO ALLO SLU DI TRAVI IN C.A.
47	PROGETTAZIONE A TAGLIO DI STRUTTURE IN C.A. SECONDO IL D.M. 9/1/96
48	PROGETTAZIONE A TAGLIO DI STRUTTURE IN C.A. SECONDO IL D.M. 14/1/2008
49	VERIFICA ALLO SLE (TENSIONI E FESSURAZIONE) DI STRUTTURE IN C.A.
50	VERIFICA ALLO SLE (DEFORMAZIONE) DI STRUTTURE IN C.A.
51	FATTORE DI STRUTTURA
52	SOVRARESISTENZE
53	DETTAGLI COSTRUTTIVI C.A.: LIMITI D'ARMATURA PILASTRI E NODI TRAVE-PILASTRO
54	PARETI IN C.A. SNELLE IN ZONA SISMICA
80	ANALISI PUSHOVER DI UN EDIFICIO IN C.A.
120	PROGETTO E VERIFICA DI TRAVI PREM

Modellazione di strutture in acciaio

Test N°	Titolo
55	VERIFICA DI STABILITA' DI ASTE COMPRESSE IN ACCIAIO – METODO OMEGA
56	LUCE LIBERA DI TRAVI E ASTE IN ACCIAIO
57	LUCE LIBERA DI COLONNE IN ACCIAIO
58	SVERGOLAMENTO DI TRAVI IN ACCIAIO
59	FATTORE DI STRUTTURA
60	ACCIAIO D.M.2008

61	ACCIAIO EC3
62	GERARCHIA RESISTENZE STRUTTURE IN ACCIAIO
63	STABILITA' DI ASTE COMPOSTE IN ACCIAIO
73	COLLEGAMENTI IN ACCIAIO: NODO TRAVE COLONNA FLANGIATO CON PRESENZA IRRIGIDIMENTI TRASVERSALI
74	COLLEGAMENTI IN ACCIAIO: NODO TRAVE COLONNA FLANGIATO CON PRESENZA DI UN PIATTO DI RINFORZO SALDATO ALL'ANIMA DELLA COLONNA
75	COLLEGAMENTI IN ACCIAIO: NODO TRAVE COLONNA FLANGIATO CON PRESENZA DI DUE PIATTI DI RINFORZO SALDATI ALL'ANIMA DELLA COLONNA
76	COLLEGAMENTI IN ACCIAIO: NODO TRAVE COLONNA FLANGIATO A DUE VIE SU ALI COLONNA
77	COLLEGAMENTI IN ACCIAIO: NODO TRAVE COLONNA FLANGIATO A UNA VIA CON DUE COMBINAZIONI DI CARICO
78	COLLEGAMENTI IN ACCIAIO: NODO TRAVE COLONNA FLANGIATO SU ANIMA SENZA RINFORZI A QUATTRO FILE DI BULLONI DI CUI UNA SU PIASTRA INFERIORE E UNA SU PIASTRA SUPERIORE
79	VERIFICA DELLA PIASTRA NODO TRAVE COLONNA
85	TELAIO ACCIAIO: CONTROVENTI CONCENTRICI

Modellazione di strutture in muratura

Test N°	Titolo
81	ANALISI PUSHOVER DI UNA STRUTTURA IN MURATURA
84	ANALISI ELASTO PLASTICA INCREMENTALE, PARETE IN MURATURA
86	VERIFICA NON SISMICA DELLE MURATURE (D.M. 87 TA)
87	VERIFICA NON SISMICA DELLE MURATURE (D.M. 2005 SL)
88	FATTORE DI STRUTTURA

Modellazione di strutture in legno

Test N°	Titolo
17	SOLAIO: MISTO LEGNO-CALCESTRUZZO
89	VERIFICA ALLO SLU DI STRUTTURE IN LEGNO SECONDO EC5
90	VERIFICA ALLO SLE DI STRUTTURE IN LEGNO SECONDO EC5
91	FATTORE DI STRUTTURA
92	VERIFICHE EC5
93	SNELLEZZE EC5
94	VERIFICA AL FUOCO DI STRUTTURE IN LEGNO SECONDO EC5
117	PROGETTO E VERIFICA DI GUSCI IN MATERIALE XLAM
118	PROGETTO E VERIFICA DI PARETI IN MATERIALE XLAM E RELATIVI COLLEGAMENTI
119	PROGETTO E VERIFICA DI SOLAI IN MATERIALE XLAM

Id	Tipo / Note		Young	Poisson	G	Gamma	Alfa
		daN/cm2	daN/cm2		daN/cm2	daN/cm3	
10	acciaio Fe360 - S235		2.100e+06	0.30	8.077e+05	7.80e-03	1.20e-05
	ft	3600.0					
	fy	2350.0					
	fd	2350.0					
	fdt	2100.0					
	sadm	1600.0					
	sadmt	1400.0					

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	No					
Usa condizioni I e II	Si					
Coefficiente gamma M0	1.05					
Coefficiente gamma M1	1.05					
Coefficiente gamma M2	1.25					

Pilastri 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					

Travi acc.	**1/7/..**	**2/8/..**	**3/9/..**	**4/10/..**	**5/11/..**	**6/12/..**
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					

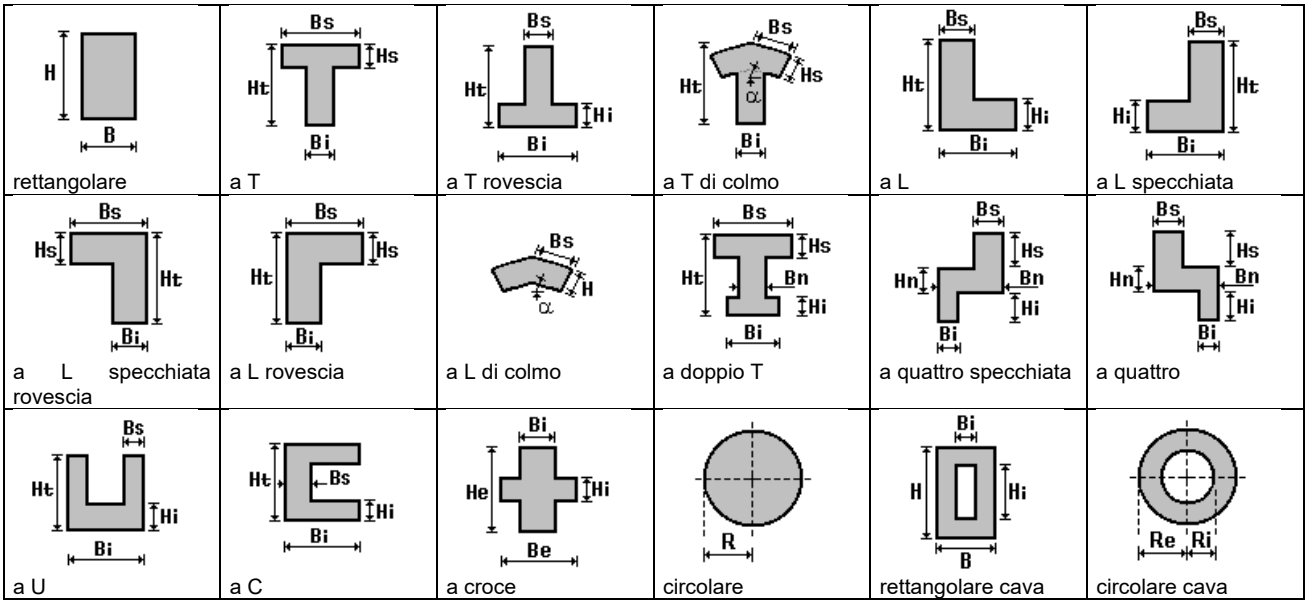
MODELLAZIONE DELLE SEZIONI

LEGENDA TABELLA DATI SEZIONI

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.



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

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

Con riferimento al **Documento di Affidabilità** "*Test di validazione del software di calcolo PRO_SAP e dei moduli aggiuntivi PRO_SAP Modulo Geotecnico, PRO_CAD nodi acciaio e PRO_MST*" - versione Settembre 2014, disponibile per il download sul sito **www.2si.it**, si segnalano i seguenti esempi applicativi:

Test N°	Titolo
1	CARATTERISTICHE GEOMETRICHE E INERZIALI
45	VERIFICA AGLI SLU DI STRUTTURE IN C.A.
48	PROGETTAZIONE A TAGLIO DI STRUTTURE IN C.A. SECONDO IL D.M. 9/1/96
49	PROGETTAZIONE A TAGLIO DI STRUTTURE IN C.A. SECONDO IL D.M. 14/1/2008
50	VERIFICA ALLO SLE (TENSIONI E FESSURAZIONE) DI STRUTTURE IN C.A.
51	VERIFICA ALLO SLE (DEFORMAZIONE) DI STRUTTURE IN C.A.
104	ANALISI DI RESISTENZA AL FUOCO

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	HEA 160	38.80	0.0	0.0	12.20	616.00	1673.00	76.90	220.10	117.60	245.10
2	HEA 160	38.80	0.0	0.0	12.20	616.00	1673.00	76.90	220.10	117.60	245.10
4	IPE 120	13.20	0.0	0.0	1.70	28.00	318.00	8.60	53.00	13.60	60.70
5	IPE 120	13.20	0.0	0.0	1.70	28.00	318.00	8.60	53.00	13.60	60.70
6	LU 60x6	6.90	0.0	0.0	0.82	22.80	22.80	5.30	5.30	11.15	11.15

MODELLAZIONE STRUTTURA: NODI

LEGENDA TABELLA DATI NODI

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).

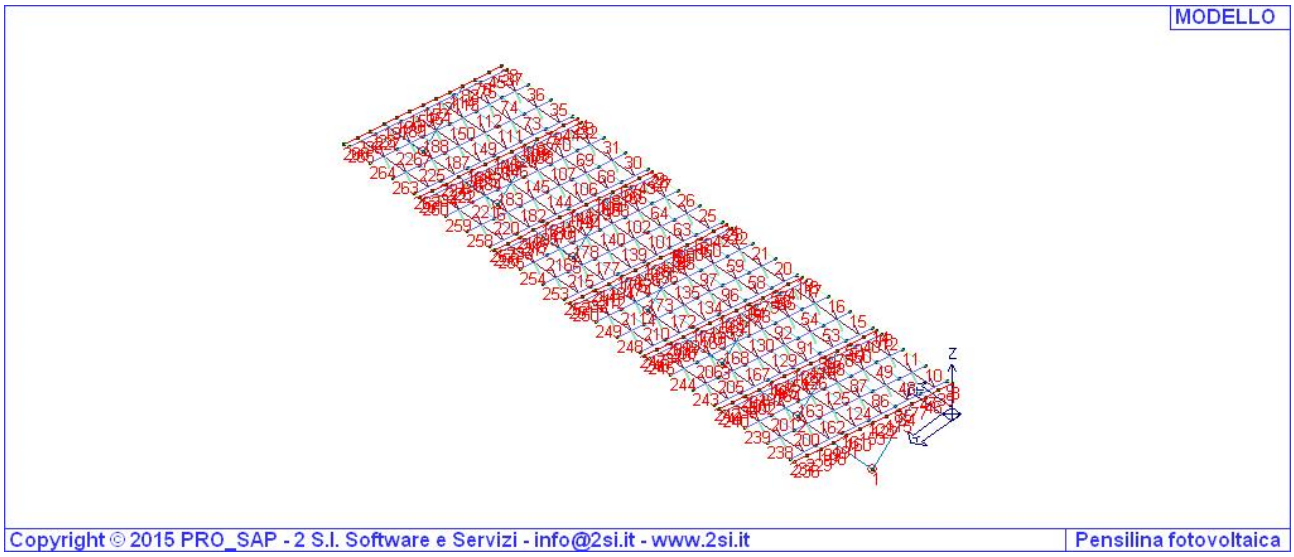
Per strutture sismicamente isolate viene inoltre inserita la tabella delle caratteristiche per gli isolatori utilizzati; le caratteristiche sono indicate in conformità al cap. 7.10 del D.M. 14/01/08

TABELLA DATI NODI

Nodo	X	Y	Z	Nodo	X	Y	Z	Nodo	X	Y	Z
	cm	cm	cm		cm	cm	cm		cm	cm	cm
8	0.0	0.0	225.0	9	32.0	0.0	225.0	10	197.0	0.0	225.0
11	362.0	0.0	225.0	12	527.0	0.0	225.0	13	560.0	0.0	225.0
14	592.0	0.0	225.0	15	757.0	0.0	225.0	16	922.0	0.0	225.0
17	1087.0	0.0	225.0	18	1120.0	0.0	225.0	19	1152.0	0.0	225.0
20	1317.0	0.0	225.0	21	1482.0	0.0	225.0	22	1647.0	0.0	225.0
23	1680.0	0.0	225.0	24	1712.0	0.0	225.0	25	1877.0	0.0	225.0
26	2042.0	0.0	225.0	27	2207.0	0.0	225.0	28	2240.0	0.0	225.0
29	2272.0	0.0	225.0	30	2437.0	0.0	225.0	31	2602.0	0.0	225.0
32	2767.0	0.0	225.0	33	2800.0	0.0	225.0	34	2832.0	0.0	225.0
35	2997.0	0.0	225.0	36	3162.0	0.0	225.0	37	3327.0	0.0	225.0
38	3360.0	0.0	225.0	39	0.0	98.0	245.9	40	560.0	98.0	245.9
41	1120.0	98.0	245.9	42	1680.0	98.0	245.9	43	2240.0	98.0	245.9
44	2800.0	98.0	245.9	45	3360.0	98.0	245.9	46	0.0	196.0	266.7
47	32.0	196.0	266.7	48	197.0	196.0	266.7	49	362.0	196.0	266.7
50	527.0	196.0	266.7	51	560.0	196.0	266.7	52	592.0	196.0	266.7
53	757.0	196.0	266.7	54	922.0	196.0	266.7	55	1087.0	196.0	266.7
56	1120.0	196.0	266.7	57	1152.0	196.0	266.7	58	1317.0	196.0	266.7
59	1482.0	196.0	266.7	60	1647.0	196.0	266.7	61	1680.0	196.0	266.7
62	1712.0	196.0	266.7	63	1877.0	196.0	266.7	64	2042.0	196.0	266.7
65	2207.0	196.0	266.7	66	2240.0	196.0	266.7	67	2272.0	196.0	266.7
68	2437.0	196.0	266.7	69	2602.0	196.0	266.7	70	2767.0	196.0	266.7
71	2800.0	196.0	266.7	72	2832.0	196.0	266.7	73	2997.0	196.0	266.7
74	3162.0	196.0	266.7	75	3327.0	196.0	266.7	76	3360.0	196.0	266.7
77	0.0	294.0	287.6	78	560.0	294.0	287.6	79	1120.0	294.0	287.6
80	1680.0	294.0	287.6	81	2240.0	294.0	287.6	82	2800.0	294.0	287.6

83	3360.0	294.0	287.6	84	0.0	392.0	308.4	85	32.0	392.0	308.4
86	197.0	392.0	308.4	87	362.0	392.0	308.4	88	527.0	392.0	308.4
89	560.0	392.0	308.4	90	592.0	392.0	308.4	91	757.0	392.0	308.4
92	922.0	392.0	308.4	93	1087.0	392.0	308.4	94	1120.0	392.0	308.4
95	1152.0	392.0	308.4	96	1317.0	392.0	308.4	97	1482.0	392.0	308.4
98	1647.0	392.0	308.4	99	1680.0	392.0	308.4	100	1712.0	392.0	308.4
101	1877.0	392.0	308.4	102	2042.0	392.0	308.4	103	2207.0	392.0	308.4
104	2240.0	392.0	308.4	105	2272.0	392.0	308.4	106	2437.0	392.0	308.4
107	2602.0	392.0	308.4	108	2767.0	392.0	308.4	109	2800.0	392.0	308.4
110	2832.0	392.0	308.4	111	2997.0	392.0	308.4	112	3162.0	392.0	308.4
113	3327.0	392.0	308.4	114	3360.0	392.0	308.4	115	0.0	490.0	329.3
116	560.0	490.0	329.3	117	1120.0	490.0	329.3	118	1680.0	490.0	329.3
119	2240.0	490.0	329.3	120	2800.0	490.0	329.3	121	3360.0	490.0	329.3
122	0.0	587.5	350.0	123	32.0	587.5	350.0	124	197.0	587.5	350.0
125	362.0	587.5	350.0	126	527.0	587.5	350.0	127	560.0	587.5	350.0
128	592.0	587.5	350.0	129	757.0	587.5	350.0	130	922.0	587.5	350.0
131	1087.0	587.5	350.0	132	1120.0	587.5	350.0	133	1152.0	587.5	350.0
134	1317.0	587.5	350.0	135	1482.0	587.5	350.0	136	1647.0	587.5	350.0
137	1680.0	587.5	350.0	138	1712.0	587.5	350.0	139	1877.0	587.5	350.0
140	2042.0	587.5	350.0	141	2207.0	587.5	350.0	142	2240.0	587.5	350.0
143	2272.0	587.5	350.0	144	2437.0	587.5	350.0	145	2602.0	587.5	350.0
146	2767.0	587.5	350.0	147	2800.0	587.5	350.0	148	2832.0	587.5	350.0
149	2997.0	587.5	350.0	150	3162.0	587.5	350.0	151	3327.0	587.5	350.0
152	3360.0	587.5	350.0	153	0.0	686.0	371.0	154	560.0	686.0	371.0
155	1120.0	686.0	371.0	156	1680.0	686.0	371.0	157	2240.0	686.0	371.0
158	2800.0	686.0	371.0	159	3360.0	686.0	371.0	160	0.0	784.0	391.8
161	32.0	784.0	391.8	162	197.0	784.0	391.8	163	362.0	784.0	391.8
164	527.0	784.0	391.8	165	560.0	784.0	391.8	166	592.0	784.0	391.8
167	757.0	784.0	391.8	168	922.0	784.0	391.8	169	1087.0	784.0	391.8
170	1120.0	784.0	391.8	171	1152.0	784.0	391.8	172	1317.0	784.0	391.8
173	1482.0	784.0	391.8	174	1647.0	784.0	391.8	175	1680.0	784.0	391.8
176	1712.0	784.0	391.8	177	1877.0	784.0	391.8	178	2042.0	784.0	391.8
179	2207.0	784.0	391.8	180	2240.0	784.0	391.8	181	2272.0	784.0	391.8
182	2437.0	784.0	391.8	183	2602.0	784.0	391.8	184	2767.0	784.0	391.8
185	2800.0	784.0	391.8	186	2832.0	784.0	391.8	187	2997.0	784.0	391.8
188	3162.0	784.0	391.8	189	3327.0	784.0	391.8	190	3360.0	784.0	391.8
191	0.0	882.0	412.7	192	560.0	882.0	412.7	193	1120.0	882.0	412.7
194	1680.0	882.0	412.7	195	2240.0	882.0	412.7	196	2800.0	882.0	412.7
197	3360.0	882.0	412.7	198	0.0	980.0	433.5	199	32.0	980.0	433.5
200	197.0	980.0	433.5	201	362.0	980.0	433.5	202	527.0	980.0	433.5
203	560.0	980.0	433.5	204	592.0	980.0	433.5	205	757.0	980.0	433.5
206	922.0	980.0	433.5	207	1087.0	980.0	433.5	208	1120.0	980.0	433.5
209	1152.0	980.0	433.5	210	1317.0	980.0	433.5	211	1482.0	980.0	433.5
212	1647.0	980.0	433.5	213	1680.0	980.0	433.5	214	1712.0	980.0	433.5
215	1877.0	980.0	433.5	216	2042.0	980.0	433.5	217	2207.0	980.0	433.5
218	2240.0	980.0	433.5	219	2272.0	980.0	433.5	220	2437.0	980.0	433.5
221	2602.0	980.0	433.5	222	2767.0	980.0	433.5	223	2800.0	980.0	433.5
224	2832.0	980.0	433.5	225	2997.0	980.0	433.5	226	3162.0	980.0	433.5
227	3327.0	980.0	433.5	228	3360.0	980.0	433.5	229	0.0	1078.0	454.4
230	560.0	1078.0	454.4	231	1120.0	1078.0	454.4	232	1680.0	1078.0	454.4
233	2240.0	1078.0	454.4	234	2800.0	1078.0	454.4	235	3360.0	1078.0	454.4
236	0.0	1175.0	475.0	237	32.0	1175.0	475.0	238	197.0	1175.0	475.0
239	362.0	1175.0	475.0	240	527.0	1175.0	475.0	241	560.0	1175.0	475.0
242	592.0	1175.0	475.0	243	757.0	1175.0	475.0	244	922.0	1175.0	475.0
245	1087.0	1175.0	475.0	246	1120.0	1175.0	475.0	247	1152.0	1175.0	475.0
248	1317.0	1175.0	475.0	249	1482.0	1175.0	475.0	250	1647.0	1175.0	475.0
251	1680.0	1175.0	475.0	252	1712.0	1175.0	475.0	253	1877.0	1175.0	475.0
254	2042.0	1175.0	475.0	255	2207.0	1175.0	475.0	256	2240.0	1175.0	475.0
257	2272.0	1175.0	475.0	258	2437.0	1175.0	475.0	259	2602.0	1175.0	475.0
260	2767.0	1175.0	475.0	261	2800.0	1175.0	475.0	262	2832.0	1175.0	475.0
263	2997.0	1175.0	475.0	264	3162.0	1175.0	475.0	265	3327.0	1175.0	475.0
266	3360.0	1175.0	475.0								

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	587.5	0.0	FS=1						
2	560.0	587.5	0.0	FS=1						
3	1120.0	587.5	0.0	FS=1						
4	1680.0	587.5	0.0	FS=1						
5	2240.0	587.5	0.0	FS=1						
6	2800.0	587.5	0.0	FS=1						
7	3360.0	587.5	0.0	FS=1						


MODELLO
Z
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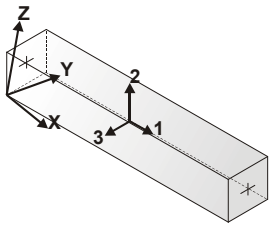
Pensilina fotovoltaica
Fig. 2: Nodi

MODELLAZIONE STRUTTURA: ELEMENTI TRAVE

TABELLA DATI 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.



orientamento elementi 2D non verticali

orientamento elementi 2D verticali

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

Con riferimento al **Documento di Affidabilità** "*Test di validazione del software di calcolo PRO_SAP e dei moduli aggiuntivi PRO_SAP Modulo Geotecnico, PRO_CAD nodi acciaio e PRO_MST*" - versione Settembre 2014, disponibile per il download sul sito **www.2si.it**, si segnalano i seguenti esempi applicativi:

Test N°	Titolo
2	TRAVI A UNA CAMPATA
3	TRAVE A PIU' CAMPATE
4	TRAVE A UNA CAMPATA SU TERRENO ALLA WINKLER
5	TRAVI SU TERRENO ALLA WINKLER CON CARICO TRASVERSALE
6	TELAI PIANI CON CERNIERE ALLA BASE
7	TELAI PIANI CON INCASTRI ALLA BASE
11	STRUTTURE SOGGETTE A VARIAZIONI TERMICHE
12	STRUTTURE SU TERRENO ALLA WINKLER SOTTOPOSTE A CARICHI DISTRIBUITI TRIANGOLARI
21	DRILLING
24	TENSIONI E ROTAZIONI RISPETTO ALLA CORDA DI ELEMENTI TRAVE
27	FRECCIA DI ELEMENTI TRAVE
42	GERARCHIA DELLE RESISTENZE PER TRAVI IN C.A.
43	GERARCHIA DELLE RESISTENZE PER PILASTRI IN C.A.
44	VERIFICA ALLE TA DI STRUTTURE IN C.A.
45	VERIFICA AGLI SLU DI STRUTTURE IN C.A.
47	VERIFICA A PUNZONAMENTO ALLO SLU DI TRAVI IN C.A.
48	PROGETTAZIONE A TAGLIO DI STRUTTURE IN C.A. SECONDO IL D.M. 9/1/96
49	PROGETTAZIONE A TAGLIO DI STRUTTURE IN C.A. SECONDO IL D.M. 14/1/2008
50	VERIFICA ALLO SLE (TENSIONI E FESSURAZIONE) DI STRUTTURE IN C.A.
51	VERIFICA ALLO SLE (DEFORMAZIONE) DI STRUTTURE IN C.A.

52	FATTORE DI STRUTTURA
53	SOVRARESISTENZE
54	DETTAGLI COSTRUTTIVI C.A.: LIMITI D'ARMATURA PILASTRI E NODI TRAVE-PILASTRO
56	VERIFICA DI STABILITA' DI ASTE COMPRESSE IN ACCIAIO – METODO OMEGA
57	LUCE LIBERA DI TRAVI E ASTE IN ACCIAIO
58	LUCE LIBERA DI COLONNE IN ACCIAIO
59	SVERGOLAMENTO DI TRAVI IN ACCIAIO
64	STABILITA' DI ASTE COMPOSTE IN ACCIAIO
73	VALUTAZIONE EFFETTO P-δ SU PILASTRATA
74	VALUTAZIONE EFFETTO P-δ SU TELAIO 3D
85	ANALISI PUSHOVER DI UN EDIFICIO IN C.A.
87	ANALISI ELASTO PLASTICA INCREMENTALE
88	ANALISI ELASTO PLASTICA INCREMENTALE
98	VERIFICA ALLO SLU DI STRUTTURE IN LEGNO SECONDO EC5
99	VERIFICA ALLO SLE DI STRUTTURE IN LEGNO SECONDO EC5
102	SNELLEZZE EC5
130	PROGETTO E VERIFICA DI TRAVI PREM

Elem.	**Note**	**Nodo I**	**Nodo J**	**Mat.**	**Sez.**	**Rotaz.**	**Svincolo I**	**Svincolo J**	**Wink V**	**Wink O**
						gradi			daN/cm3	daN/cm3
1	Trave	77	1	10	2					
2	Trave	78	2	10	2					
3	Trave	79	3	10	2					
4	Trave	80	4	10	2					
5	Trave	81	5	10	2					
6	Trave	82	6	10	2					
7	Trave	83	7	10	2					
8	Trave	1	191	10	2					
9	Trave	2	192	10	2					
10	Trave	3	193	10	2					
11	Trave	4	194	10	2					
12	Trave	5	195	10	2					
13	Trave	6	196	10	2					
14	Trave	7	197	10	2					
15	Trave	8	9	10	4	12.00				
16	Trave	9	10	10	4	12.00				
17	Trave	10	11	10	4	12.00				
18	Trave	11	12	10	4	12.00				
19	Trave	12	13	10	4	12.00				
20	Trave	13	14	10	4	12.00				
21	Trave	14	15	10	4	12.00				
22	Trave	15	16	10	4	12.00				
23	Trave	16	17	10	4	12.00				
24	Trave	17	18	10	4	12.00				
25	Trave	18	19	10	4	12.00				
26	Trave	19	20	10	4	12.00				
27	Trave	20	21	10	4	12.00				
28	Trave	21	22	10	4	12.00				
29	Trave	22	23	10	4	12.00				
30	Trave	23	24	10	4	12.00				
31	Trave	24	25	10	4	12.00				
32	Trave	25	26	10	4	12.00				
33	Trave	26	27	10	4	12.00				
34	Trave	27	28	10	4	12.00				
35	Trave	28	29	10	4	12.00				
36	Trave	29	30	10	4	12.00				
37	Trave	30	31	10	4	12.00				
38	Trave	31	32	10	4	12.00				
39	Trave	32	33	10	4	12.00				
40	Trave	33	34	10	4	12.00				
41	Trave	34	35	10	4	12.00				
42	Trave	35	36	10	4	12.00				
43	Trave	36	37	10	4	12.00				
44	Trave	37	38	10	4	12.00				
45	Trave	8	39	10	1					
46	Trave	13	40	10	1					
47	Trave	18	41	10	1					

48	Trave	23	42	10	1	
49	Trave	28	43	10	1	
50	Trave	33	44	10	1	
51	Trave	38	45	10	1	
52	Trave	9	47	10	6	180.00
53	Trave	10	48	10	6	180.00
54	Trave	11	49	10	6	180.00
55	Trave	12	50	10	6	180.00
56	Trave	14	52	10	6	180.00
57	Trave	15	53	10	6	180.00
58	Trave	16	54	10	6	180.00
59	Trave	17	55	10	6	180.00
60	Trave	19	57	10	6	180.00
61	Trave	20	58	10	6	180.00
62	Trave	21	59	10	6	180.00
63	Trave	22	60	10	6	180.00
64	Trave	24	62	10	6	180.00
65	Trave	25	63	10	6	180.00
66	Trave	26	64	10	6	180.00
67	Trave	27	65	10	6	180.00
68	Trave	29	67	10	6	180.00
69	Trave	30	68	10	6	180.00
70	Trave	31	69	10	6	180.00
71	Trave	32	70	10	6	180.00
72	Trave	34	72	10	6	180.00
73	Trave	35	73	10	6	180.00
74	Trave	36	74	10	6	180.00
75	Trave	37	75	10	6	180.00
76	Trave	39	46	10	1	
77	Trave	40	51	10	1	
78	Trave	41	56	10	1	
79	Trave	42	61	10	1	
80	Trave	43	66	10	1	
81	Trave	44	71	10	1	
82	Trave	45	76	10	1	
83	Trave	46	47	10	5	12.00
84	Trave	47	48	10	5	12.00
85	Trave	48	49	10	5	12.00
86	Trave	49	50	10	5	12.00
87	Trave	50	51	10	5	12.00
88	Trave	51	52	10	5	12.00
89	Trave	52	53	10	5	12.00
90	Trave	53	54	10	5	12.00
91	Trave	54	55	10	5	12.00
92	Trave	55	56	10	5	12.00
93	Trave	56	57	10	5	12.00
94	Trave	57	58	10	5	12.00
95	Trave	58	59	10	5	12.00
96	Trave	59	60	10	5	12.00
97	Trave	60	61	10	5	12.00
98	Trave	61	62	10	5	12.00
99	Trave	62	63	10	5	12.00
100	Trave	63	64	10	5	12.00
101	Trave	64	65	10	5	12.00
102	Trave	65	66	10	5	12.00
103	Trave	66	67	10	5	12.00
104	Trave	67	68	10	5	12.00
105	Trave	68	69	10	5	12.00
106	Trave	69	70	10	5	12.00
107	Trave	70	71	10	5	12.00
108	Trave	71	72	10	5	12.00
109	Trave	72	73	10	5	12.00
110	Trave	73	74	10	5	12.00
111	Trave	74	75	10	5	12.00
112	Trave	75	76	10	5	12.00
113	Trave	46	77	10	1	
114	Trave	51	78	10	1	
115	Trave	56	79	10	1	
116	Trave	61	80	10	1	
117	Trave	66	81	10	1	
118	Trave	71	82	10	1	
119	Trave	76	83	10	1	
120	Trave	47	85	10	6	180.00
121	Trave	48	86	10	6	180.00
122	Trave	49	87	10	6	180.00
123	Trave	50	88	10	6	180.00

124	Trave	52	90	10	6	180.00
125	Trave	53	91	10	6	180.00
126	Trave	54	92	10	6	180.00
127	Trave	55	93	10	6	180.00
128	Trave	57	95	10	6	180.00
129	Trave	58	96	10	6	180.00
130	Trave	59	97	10	6	180.00
131	Trave	60	98	10	6	180.00
132	Trave	62	100	10	6	180.00
133	Trave	63	101	10	6	180.00
134	Trave	64	102	10	6	180.00
135	Trave	65	103	10	6	180.00
136	Trave	67	105	10	6	180.00
137	Trave	68	106	10	6	180.00
138	Trave	69	107	10	6	180.00
139	Trave	70	108	10	6	180.00
140	Trave	72	110	10	6	180.00
141	Trave	73	111	10	6	180.00
142	Trave	74	112	10	6	180.00
143	Trave	75	113	10	6	180.00
144	Trave	77	84	10	1	
145	Trave	78	89	10	1	
146	Trave	79	94	10	1	
147	Trave	80	99	10	1	
148	Trave	81	104	10	1	
149	Trave	82	109	10	1	
150	Trave	83	114	10	1	
151	Trave	84	85	10	5	12.00
152	Trave	85	86	10	5	12.00
153	Trave	86	87	10	5	12.00
154	Trave	87	88	10	5	12.00
155	Trave	88	89	10	5	12.00
156	Trave	89	90	10	5	12.00
157	Trave	90	91	10	5	12.00
158	Trave	91	92	10	5	12.00
159	Trave	92	93	10	5	12.00
160	Trave	93	94	10	5	12.00
161	Trave	94	95	10	5	12.00
162	Trave	95	96	10	5	12.00
163	Trave	96	97	10	5	12.00
164	Trave	97	98	10	5	12.00
165	Trave	98	99	10	5	12.00
166	Trave	99	100	10	5	12.00
167	Trave	100	101	10	5	12.00
168	Trave	101	102	10	5	12.00
169	Trave	102	103	10	5	12.00
170	Trave	103	104	10	5	12.00
171	Trave	104	105	10	5	12.00
172	Trave	105	106	10	5	12.00
173	Trave	106	107	10	5	12.00
174	Trave	107	108	10	5	12.00
175	Trave	108	109	10	5	12.00
176	Trave	109	110	10	5	12.00
177	Trave	110	111	10	5	12.00
178	Trave	111	112	10	5	12.00
179	Trave	112	113	10	5	12.00
180	Trave	113	114	10	5	12.00
181	Trave	84	115	10	1	
182	Trave	89	116	10	1	
183	Trave	94	117	10	1	
184	Trave	99	118	10	1	
185	Trave	104	119	10	1	
186	Trave	109	120	10	1	
187	Trave	114	121	10	1	
188	Trave	85	123	10	6	180.00
189	Trave	86	124	10	6	180.00
190	Trave	87	125	10	6	180.00
191	Trave	88	126	10	6	180.00
192	Trave	90	128	10	6	180.00
193	Trave	91	129	10	6	180.00
194	Trave	92	130	10	6	180.00
195	Trave	93	131	10	6	180.00
196	Trave	95	133	10	6	180.00
197	Trave	96	134	10	6	180.00
198	Trave	97	135	10	6	180.00
199	Trave	98	136	10	6	180.00

200	Trave	100	138	10	6	180.00
201	Trave	101	139	10	6	180.00
202	Trave	102	140	10	6	180.00
203	Trave	103	141	10	6	180.00
204	Trave	105	143	10	6	180.00
205	Trave	106	144	10	6	180.00
206	Trave	107	145	10	6	180.00
207	Trave	108	146	10	6	180.00
208	Trave	110	148	10	6	180.00
209	Trave	111	149	10	6	180.00
210	Trave	112	150	10	6	180.00
211	Trave	113	151	10	6	180.00
212	Trave	115	122	10	1	
213	Trave	116	127	10	1	
214	Trave	117	132	10	1	
215	Trave	118	137	10	1	
216	Trave	119	142	10	1	
217	Trave	120	147	10	1	
218	Trave	121	152	10	1	
219	Trave	122	123	10	5	12.00
220	Trave	123	124	10	5	12.00
221	Trave	124	125	10	5	12.00
222	Trave	125	126	10	5	12.00
223	Trave	126	127	10	5	12.00
224	Trave	127	128	10	5	12.00
225	Trave	128	129	10	5	12.00
226	Trave	129	130	10	5	12.00
227	Trave	130	131	10	5	12.00
228	Trave	131	132	10	5	12.00
229	Trave	132	133	10	5	12.00
230	Trave	133	134	10	5	12.00
231	Trave	134	135	10	5	12.00
232	Trave	135	136	10	5	12.00
233	Trave	136	137	10	5	12.00
234	Trave	137	138	10	5	12.00
235	Trave	138	139	10	5	12.00
236	Trave	139	140	10	5	12.00
237	Trave	140	141	10	5	12.00
238	Trave	141	142	10	5	12.00
239	Trave	142	143	10	5	12.00
240	Trave	143	144	10	5	12.00
241	Trave	144	145	10	5	12.00
242	Trave	145	146	10	5	12.00
243	Trave	146	147	10	5	12.00
244	Trave	147	148	10	5	12.00
245	Trave	148	149	10	5	12.00
246	Trave	149	150	10	5	12.00
247	Trave	150	151	10	5	12.00
248	Trave	151	152	10	5	12.00
249	Trave	122	153	10	1	
250	Trave	127	154	10	1	
251	Trave	132	155	10	1	
252	Trave	137	156	10	1	
253	Trave	142	157	10	1	
254	Trave	147	158	10	1	
255	Trave	152	159	10	1	
256	Trave	123	161	10	6	180.00
257	Trave	124	162	10	6	180.00
258	Trave	125	163	10	6	180.00
259	Trave	126	164	10	6	180.00
260	Trave	128	166	10	6	180.00
261	Trave	129	167	10	6	180.00
262	Trave	130	168	10	6	180.00
263	Trave	131	169	10	6	180.00
264	Trave	133	171	10	6	180.00
265	Trave	134	172	10	6	180.00
266	Trave	135	173	10	6	180.00
267	Trave	136	174	10	6	180.00
268	Trave	138	176	10	6	180.00
269	Trave	139	177	10	6	180.00
270	Trave	140	178	10	6	180.00
271	Trave	141	179	10	6	180.00
272	Trave	143	181	10	6	180.00
273	Trave	144	182	10	6	180.00
274	Trave	145	183	10	6	180.00
275	Trave	146	184	10	6	180.00

276	Trave	148	186	10	6	180.00
277	Trave	149	187	10	6	180.00
278	Trave	150	188	10	6	180.00
279	Trave	151	189	10	6	180.00
280	Trave	153	160	10	1	
281	Trave	154	165	10	1	
282	Trave	155	170	10	1	
283	Trave	156	175	10	1	
284	Trave	157	180	10	1	
285	Trave	158	185	10	1	
286	Trave	159	190	10	1	
287	Trave	160	161	10	5	12.00
288	Trave	161	162	10	5	12.00
289	Trave	162	163	10	5	12.00
290	Trave	163	164	10	5	12.00
291	Trave	164	165	10	5	12.00
292	Trave	165	166	10	5	12.00
293	Trave	166	167	10	5	12.00
294	Trave	167	168	10	5	12.00
295	Trave	168	169	10	5	12.00
296	Trave	169	170	10	5	12.00
297	Trave	170	171	10	5	12.00
298	Trave	171	172	10	5	12.00
299	Trave	172	173	10	5	12.00
300	Trave	173	174	10	5	12.00
301	Trave	174	175	10	5	12.00
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305	Trave	178	179	10	5	12.00
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308	Trave	181	182	10	5	12.00
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311	Trave	184	185	10	5	12.00
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333	Trave	172	210	10	6	180.00
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336	Trave	176	214	10	6	180.00
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339	Trave	179	217	10	6	180.00
340	Trave	181	219	10	6	180.00
341	Trave	182	220	10	6	180.00
342	Trave	183	221	10	6	180.00
343	Trave	184	222	10	6	180.00
344	Trave	186	224	10	6	180.00
345	Trave	187	225	10	6	180.00
346	Trave	188	226	10	6	180.00
347	Trave	189	227	10	6	180.00
348	Trave	191	198	10	1	
349	Trave	192	203	10	1	
350	Trave	193	208	10	1	
351	Trave	194	213	10	1	

352	Trave	195	218	10	1	
353	Trave	196	223	10	1	
354	Trave	197	228	10	1	
355	Trave	198	199	10	5	12.00
356	Trave	199	200	10	5	12.00
357	Trave	200	201	10	5	12.00
358	Trave	201	202	10	5	12.00
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363	Trave	206	207	10	5	12.00
364	Trave	207	208	10	5	12.00
365	Trave	208	209	10	5	12.00
366	Trave	209	210	10	5	12.00
367	Trave	210	211	10	5	12.00
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371	Trave	214	215	10	5	12.00
372	Trave	215	216	10	5	12.00
373	Trave	216	217	10	5	12.00
374	Trave	217	218	10	5	12.00
375	Trave	218	219	10	5	12.00
376	Trave	219	220	10	5	12.00
377	Trave	220	221	10	5	12.00
378	Trave	221	222	10	5	12.00
379	Trave	222	223	10	5	12.00
380	Trave	223	224	10	5	12.00
381	Trave	224	225	10	5	12.00
382	Trave	225	226	10	5	12.00
383	Trave	226	227	10	5	12.00
384	Trave	227	228	10	5	12.00
385	Trave	198	229	10	1	
386	Trave	203	230	10	1	
387	Trave	208	231	10	1	
388	Trave	213	232	10	1	
389	Trave	218	233	10	1	
390	Trave	223	234	10	1	
391	Trave	228	235	10	1	
392	Trave	199	237	10	6	180.00
393	Trave	200	238	10	6	180.00
394	Trave	201	239	10	6	180.00
395	Trave	202	240	10	6	180.00
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398	Trave	206	244	10	6	180.00
399	Trave	207	245	10	6	180.00
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404	Trave	214	252	10	6	180.00
405	Trave	215	253	10	6	180.00
406	Trave	216	254	10	6	180.00
407	Trave	217	255	10	6	180.00
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411	Trave	222	260	10	6	180.00
412	Trave	224	262	10	6	180.00
413	Trave	225	263	10	6	180.00
414	Trave	226	264	10	6	180.00
415	Trave	227	265	10	6	180.00
416	Trave	229	236	10	1	
417	Trave	230	241	10	1	
418	Trave	231	246	10	1	
419	Trave	232	251	10	1	
420	Trave	233	256	10	1	
421	Trave	234	261	10	1	
422	Trave	235	266	10	1	
423	Trave	236	237	10	4	12.00
424	Trave	237	238	10	4	12.00
425	Trave	238	239	10	4	12.00
426	Trave	239	240	10	4	12.00
427	Trave	240	241	10	4	12.00

428	Trave	241	242	10	4	12.00
429	Trave	242	243	10	4	12.00
430	Trave	243	244	10	4	12.00
431	Trave	244	245	10	4	12.00
432	Trave	245	246	10	4	12.00
433	Trave	246	247	10	4	12.00
434	Trave	247	248	10	4	12.00
435	Trave	248	249	10	4	12.00
436	Trave	249	250	10	4	12.00
437	Trave	250	251	10	4	12.00
438	Trave	251	252	10	4	12.00
439	Trave	252	253	10	4	12.00
440	Trave	253	254	10	4	12.00
441	Trave	254	255	10	4	12.00
442	Trave	255	256	10	4	12.00
443	Trave	256	257	10	4	12.00
444	Trave	257	258	10	4	12.00
445	Trave	258	259	10	4	12.00
446	Trave	259	260	10	4	12.00
447	Trave	260	261	10	4	12.00
448	Trave	261	262	10	4	12.00
449	Trave	262	263	10	4	12.00
450	Trave	263	264	10	4	12.00
451	Trave	264	265	10	4	12.00
452	Trave	265	266	10	4	12.00

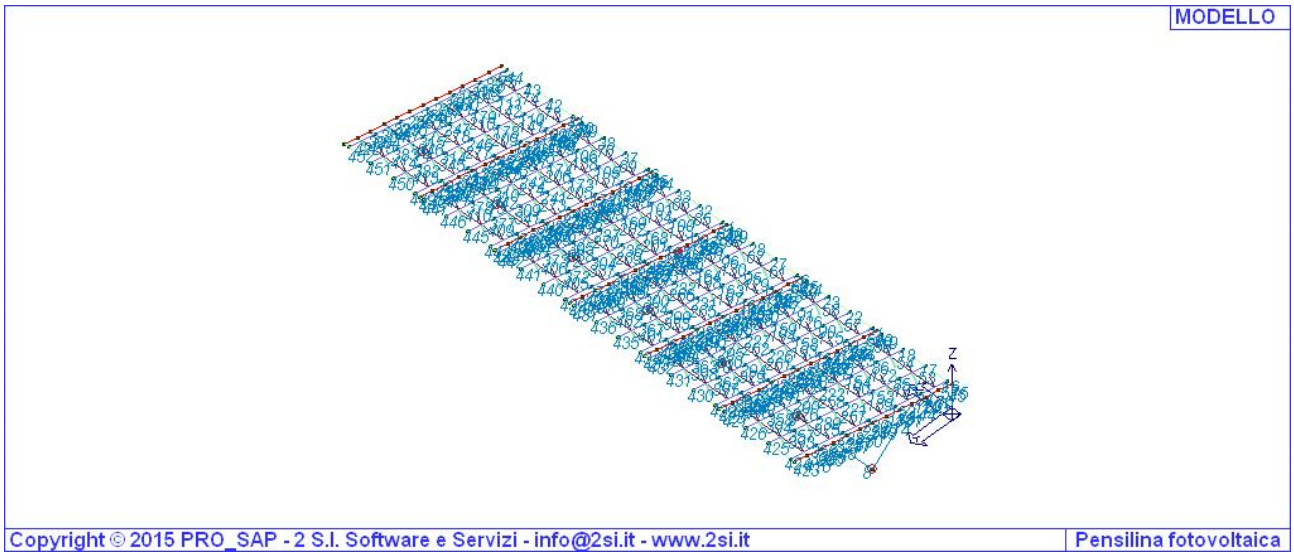

Fig. 3 Numerazione Elementi D2

MODELLAZIONE DELLA STRUTTURA: ELEMENTI SOLAIO

LEGENDA TABELLA DATI SOLAI

Ogni elemento solaio 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, 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.

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 ***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 (comprensivo del peso proprio)
Qk	carico variabile
Nodi	numero dei nodi che definiscono l'elemento (5 per riga)

Nel caso in cui si sia proceduto alla progettazione con le tensioni ammissibili vengono riportate le massime tensioni nell'elemento (massima compressione nel calcestruzzo, massima tensione nell'acciaio, massima tensione tangenziale); nel caso in cui si sia proceduto alla progettazione con il metodo degli stati limite vengono riportati il rapporto x/d e le verifiche per sollecitazioni proporzionali nonché le verifiche in esercizio.

In particolare 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
	simboli utilizzati con il metodo delle tensioni ammissibili:
sc max	Massima tensione di compressione del calcestruzzo
sf max	Massima tensione nell'acciaio
tau max	Massima tensione tangenziale nel calcestruzzo
	simboli utilizzati con il metodo degli stati limite:
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 frequenti [normalizzato a 1]
rPfck	rapporto tra la massima compressione nel calcestruzzo e la tensione fck in combinazioni quasi permanenti [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]

Con riferimento al **Documento di Affidabilità** "*Test di validazione del software di calcolo PRO_SAP e dei moduli aggiuntivi PRO_SAP Modulo Geotecnico, PRO_CAD nodi acciaio e PRO_MST*" - versione Maggio 2011, disponibile per il download sul sito **www.2si.it**, si segnalano i seguenti esempi applicativi:

Test N°	Titolo
14	ANALISI DEI CARICHI PER UN SOLAIO DI COPERTURA
15	EFFETTI DELLO SPESSORE SULLA RIGIDEZZA DEI SOLAI
16	SOLAIO: CONFRONTO FRA RIGIDO E DEFORMABILE
17	SOLAIO: MISTO LEGNO-CALCESTRUZZO
28	FRECCIA DI SOLAI IN C.A.
128	PROGETTO E VERIFICA DI SOLAI IN MATERIALE XLAM

ID Arch.	Tipo	G1k daN/ m2	G2k daN/ m2	Qk daN/ m2	Fatt. A	s sis.	Psi 0	Psi 1	Psi 2	Psi S 2	Fatt. Fi
6	Neve	25.00		50.00		1.00	0.50	0.20	0.0	0.0	1.00

Elem.	Tipo	ID Arch.	Mat.	Spessore	Orditura	G1k daN/ m2	G2k daN/ m2	Qk daN/ m2	Nodo 1/6..	Nodo 2/7..	Nodo 3/8..	Nodo..	Nodo..
1	SM	6	m=10	1.0	0.0	25.00		50.00	10	48	47	9	
2	SM	6	m=10	1.0	0.0	25.00		50.00	11	49	48	10	
3	SM	6	m=10	1.0	0.0	25.00		50.00	12	50	49	11	
4	SM	6	m=10	1.0	0.0	25.00		50.00	15	53	52	14	
5	SM	6	m=10	1.0	0.0	25.00		50.00	16	54	53	15	
6	SM	6	m=10	1.0	0.0	25.00		50.00	17	55	54	16	
7	SM	6	m=10	1.0	0.0	25.00		50.00	20	58	57	19	
8	SM	6	m=10	1.0	0.0	25.00		50.00	21	59	58	20	
9	SM	6	m=10	1.0	0.0	25.00		50.00	22	60	59	21	
10	SM	6	m=10	1.0	0.0	25.00		50.00	25	63	62	24	
11	SM	6	m=10	1.0	0.0	25.00		50.00	26	64	63	25	
12	SM	6	m=10	1.0	0.0	25.00		50.00	27	65	64	26	
13	SM	6	m=10	1.0	0.0	25.00		50.00	30	68	67	29	
14	SM	6	m=10	1.0	0.0	25.00		50.00	31	69	68	30	
15	SM	6	m=10	1.0	0.0	25.00		50.00	32	70	69	31	
16	SM	6	m=10	1.0	0.0	25.00		50.00	35	73	72	34	
17	SM	6	m=10	1.0	0.0	25.00		50.00	36	74	73	35	
18	SM	6	m=10	1.0	0.0	25.00		50.00	37	75	74	36	
19	SM	6	m=10	1.0	0.0	25.00		50.00	48	86	85	47	
20	SM	6	m=10	1.0	0.0	25.00		50.00	49	87	86	48	
21	SM	6	m=10	1.0	0.0	25.00		50.00	50	88	87	49	
22	SM	6	m=10	1.0	0.0	25.00		50.00	53	91	90	52	
23	SM	6	m=10	1.0	0.0	25.00		50.00	54	92	91	53	
24	SM	6	m=10	1.0	0.0	25.00		50.00	55	93	92	54	
25	SM	6	m=10	1.0	0.0	25.00		50.00	58	96	95	57	
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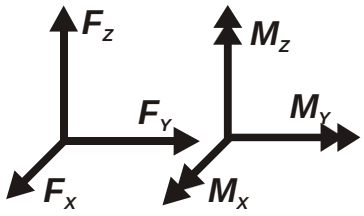
52	SM	6	m=10	1.0	0.0	25.00	50.00	111	149	148	110
53	SM	6	m=10	1.0	0.0	25.00	50.00	112	150	149	111
54	SM	6	m=10	1.0	0.0	25.00	50.00	113	151	150	112
55	SM	6	m=10	1.0	0.0	25.00	50.00	124	162	161	123
56	SM	6	m=10	1.0	0.0	25.00	50.00	125	163	162	124
57	SM	6	m=10	1.0	0.0	25.00	50.00	126	164	163	125
58	SM	6	m=10	1.0	0.0	25.00	50.00	129	167	166	128
59	SM	6	m=10	1.0	0.0	25.00	50.00	130	168	167	129
60	SM	6	m=10	1.0	0.0	25.00	50.00	131	169	168	130
61	SM	6	m=10	1.0	0.0	25.00	50.00	134	172	171	133
62	SM	6	m=10	1.0	0.0	25.00	50.00	135	173	172	134
63	SM	6	m=10	1.0	0.0	25.00	50.00	136	174	173	135
64	SM	6	m=10	1.0	0.0	25.00	50.00	139	177	176	138
65	SM	6	m=10	1.0	0.0	25.00	50.00	140	178	177	139
66	SM	6	m=10	1.0	0.0	25.00	50.00	141	179	178	140
67	SM	6	m=10	1.0	0.0	25.00	50.00	144	182	181	143
68	SM	6	m=10	1.0	0.0	25.00	50.00	145	183	182	144
69	SM	6	m=10	1.0	0.0	25.00	50.00	146	184	183	145
70	SM	6	m=10	1.0	0.0	25.00	50.00	149	187	186	148
71	SM	6	m=10	1.0	0.0	25.00	50.00	150	188	187	149
72	SM	6	m=10	1.0	0.0	25.00	50.00	151	189	188	150
73	SM	6	m=10	1.0	0.0	25.00	50.00	162	200	199	161
74	SM	6	m=10	1.0	0.0	25.00	50.00	163	201	200	162
75	SM	6	m=10	1.0	0.0	25.00	50.00	164	202	201	163
76	SM	6	m=10	1.0	0.0	25.00	50.00	167	205	204	166
77	SM	6	m=10	1.0	0.0	25.00	50.00	168	206	205	167
78	SM	6	m=10	1.0	0.0	25.00	50.00	169	207	206	168
79	SM	6	m=10	1.0	0.0	25.00	50.00	172	210	209	171
80	SM	6	m=10	1.0	0.0	25.00	50.00	173	211	210	172
81	SM	6	m=10	1.0	0.0	25.00	50.00	174	212	211	173
82	SM	6	m=10	1.0	0.0	25.00	50.00	177	215	214	176
83	SM	6	m=10	1.0	0.0	25.00	50.00	178	216	215	177
84	SM	6	m=10	1.0	0.0	25.00	50.00	179	217	216	178
85	SM	6	m=10	1.0	0.0	25.00	50.00	182	220	219	181
86	SM	6	m=10	1.0	0.0	25.00	50.00	183	221	220	182
87	SM	6	m=10	1.0	0.0	25.00	50.00	184	222	221	183
88	SM	6	m=10	1.0	0.0	25.00	50.00	187	225	224	186
89	SM	6	m=10	1.0	0.0	25.00	50.00	188	226	225	187
90	SM	6	m=10	1.0	0.0	25.00	50.00	189	227	226	188
91	SM	6	m=10	1.0	0.0	25.00	50.00	200	238	237	199
92	SM	6	m=10	1.0	0.0	25.00	50.00	201	239	238	200
93	SM	6	m=10	1.0	0.0	25.00	50.00	202	240	239	201
94	SM	6	m=10	1.0	0.0	25.00	50.00	205	243	242	204
95	SM	6	m=10	1.0	0.0	25.00	50.00	206	244	243	205
96	SM	6	m=10	1.0	0.0	25.00	50.00	207	245	244	206
97	SM	6	m=10	1.0	0.0	25.00	50.00	210	248	247	209
98	SM	6	m=10	1.0	0.0	25.00	50.00	211	249	248	210
99	SM	6	m=10	1.0	0.0	25.00	50.00	212	250	249	211
100	SM	6	m=10	1.0	0.0	25.00	50.00	215	253	252	214
101	SM	6	m=10	1.0	0.0	25.00	50.00	216	254	253	215
102	SM	6	m=10	1.0	0.0	25.00	50.00	217	255	254	216
103	SM	6	m=10	1.0	0.0	25.00	50.00	220	258	257	219
104	SM	6	m=10	1.0	0.0	25.00	50.00	221	259	258	220
105	SM	6	m=10	1.0	0.0	25.00	50.00	222	260	259	221
106	SM	6	m=10	1.0	0.0	25.00	50.00	225	263	262	224
107	SM	6	m=10	1.0	0.0	25.00	50.00	226	264	263	225
108	SM	6	m=10	1.0	0.0	25.00	50.00	227	265	264	226

MODELLAZIONE DELLE AZIONI

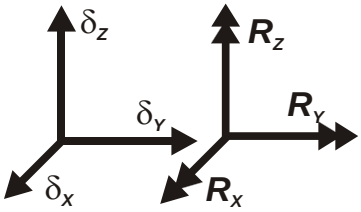
LEGENDA TABELLA DATI AZIONI

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:

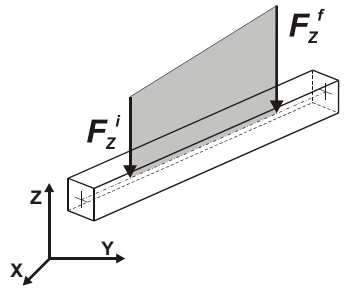
1	**carico concentrato nodale** 6 dati (forza Fx, Fy, Fz, momento Mx, My, Mz)
2	**spostamento nodale impresso** 6 dati (spostamento Tx,Ty,Tz, rotazione Rx,Ry,Rz)
3	**carico distribuito globale su elemento tipo trave** 7 dati (fx,fy,fz,mx,my,mz,ascissa di inizio carico) 7 dati (fx,fy,fz,mx,my,mz,ascissa di fine carico)
4	**carico distribuito locale su elemento tipo trave** 7 dati (f1,f2,f3,m1,m2,m3,ascissa di inizio carico) 7 dati (f1,f2,f3,m1,m2,m3,ascissa di fine carico)
5	**carico concentrato globale su elemento tipo trave** 7 dati (Fx,Fy,Fz,Mx,My,Mz,ascissa di carico)
6	**carico concentrato locale su elemento tipo trave** 7 dati (F1, F2, F3, M1, M2, M3, 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



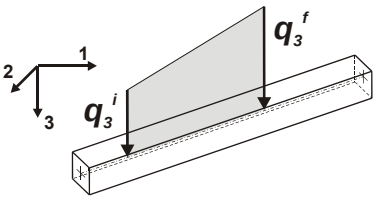
Carico concentrato nodale



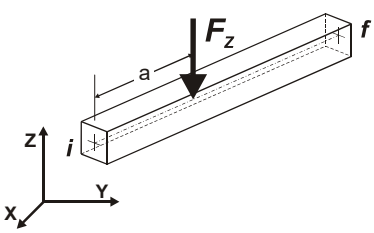
Spostamento impresso



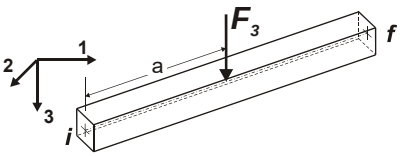
Carico distribuito globale



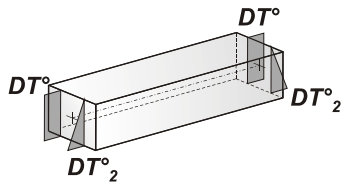
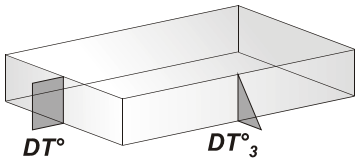
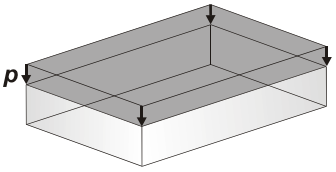
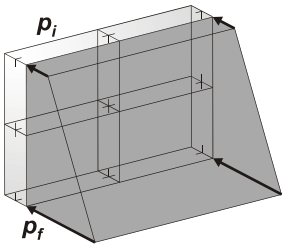
Carico distribuito locale



Carico concentrato globale



Carico concentrato locale

	Carico termico 2D		Carico termico 3D
	Carico pressione uniforme		Carico pressione variabile

Tipo	carico distribuito locale su trave

Id	Tipo	Pos.	f1	f2	f3	m1	m2	m3
		m	daN/ m	daN/ m	daN/ m	daN	daN	daN
1	DL:F2i=-1.00 F2f=-1.00	0.0	0.0	-100.00	0.0	0.0	0.0	0.0
		0.0	0.0	-100.00	0.0	0.0	0.0	0.0
2	DL:F2i=-0.50 F2f=-0.50	0.0	0.0	-50.00	0.0	0.0	0.0	0.0
		0.0	0.0	-50.00	0.0	0.0	0.0	0.0

SCHEMATIZZAZIONE DEI CASI DI CARICO

LEGENDA TABELLA 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.

LOCALIZZAZIONE DELL'INTERVENTO

Località: TARANTO
Provincia: TARANTO
Regione: PUGLIA

Coordinate GPS:
Latitudine : 40,45900 N
Longitudine: 17,24600 E

Altitudine s.l.m.: 15,0 m

CALCOLO DELLE AZIONI DELLA NEVE E DEL VENTO

Normativa di riferimento:
D.M. 14 gennaio 2008 - NORME TECNICHE PER LE COSTRUZIONI
Cap. 3 - AZIONI SULLE COSTRUZIONI - Par. 3.3 e 3.4

NEVE:

Zona Neve = III

Ce (coeff. di esposizione al vento) = 0,90

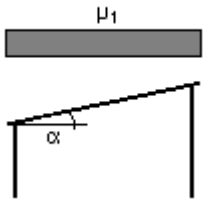
Valore caratteristico del carico al suolo (qsk Ce) = 54 daN/mq

Copertura ad una falda:

Angolo di inclinazione della falda α = 12,0°

μ1 = 0,80 => Q1 = 43 daN/mq

Schema di carico:



VENTO:

Zona vento = 3
(Vb.o = 27 m/s; Ao = 500 m; Ka = 0,020 1/s)

Classe di rugosità del terreno: C
[Aree con ostacoli diffusi (alberi, case, muri, recinzioni...); aree con rugosità non riconducibile alle classi A, B, D]

Categoria esposizione: tipo II

(Kr = 0,19; Zo = 0,05 m; Zmin = 4 m)

Velocità di riferimento = 27,00 m/s
Pressione cinetica di riferimento (qb) = 46 daN/mq

Coefficiente di forma (Cp) = 1,00
Coefficiente dinamico (Cd) = 1,00
Coefficiente di esposizione (Ce) = 1,93
Coefficiente di esposizione topografica (Ct) = 1,00
Altezza dell'edificio = 5,00 m

Pressione del vento (p = qb Ce Cp Cd) = 88 daN/mq

CDC	Tipo	Sigla Id	Note
1	Ggk	CDC=Ggk (peso proprio della struttura)	
2	Gsk	CDC=G1sk (permanente solai-coperture)	
3	Qnk	CDC=Qnk (carico da neve)	
4	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=Qnk (carico da neve)
5	Edk	CDC=Ed (dinamico SLU) alfa=0.0 (ecc. -)	come precedente CDC sismico
6	Edk	CDC=Ed (dinamico SLU) alfa=90.00 (ecc. +)	come precedente CDC sismico
7	Edk	CDC=Ed (dinamico SLU) alfa=90.00 (ecc. -)	come precedente CDC sismico
8	Edk	CDC=Ed (dinamico SLD) alfa=0.0 (ecc. +)	come precedente CDC sismico
9	Edk	CDC=Ed (dinamico SLD) alfa=0.0 (ecc. -)	come precedente CDC sismico
10	Edk	CDC=Ed (dinamico SLD) alfa=90.00 (ecc. +)	come precedente CDC sismico
11	Edk	CDC=Ed (dinamico SLD) alfa=90.00 (ecc. -)	come precedente CDC sismico
12	Qtk	CDC=Qtk (carico termico) dT= 40.00	variazione termica:40.00
13	Qvk	CDC=Qvk Vento y	D2 : 52 Azione : DL:F2i=-0.50 F2f=-0.50
			D2 :da 53 a 54 Azione : DL:F2i=-1.00 F2f=-1.00
			D2 :da 55 a 56 Azione : DL:F2i=-0.50 F2f=-0.50
			D2 :da 57 a 58 Azione : DL:F2i=-1.00 F2f=-1.00
			D2 :da 59 a 60 Azione : DL:F2i=-0.50 F2f=-0.50
			D2 :da 61 a 62 Azione : DL:F2i=-1.00 F2f=-1.00
			D2 :da 63 a 64 Azione : DL:F2i=-0.50 F2f=-0.50
			D2 :da 65 a 66 Azione : DL:F2i=-1.00 F2f=-1.00
			D2 :da 67 a 68 Azione : DL:F2i=-0.50 F2f=-0.50
			D2 :da 69 a 70 Azione : DL:F2i=-1.00 F2f=-1.00
			D2 :da 71 a 72 Azione : DL:F2i=-0.50 F2f=-0.50
			D2 :da 73 a 74 Azione : DL:F2i=-1.00 F2f=-1.00
			D2 : 75 Azione : DL:F2i=-0.50 F2f=-0.50
			D2 : 120 Azione : DL:F2i=-0.50 F2f=-0.50
			D2 :da 121 a 122 Azione : DL:F2i=-1.00 F2f=-1.00
			D2 :da 123 a 124 Azione : DL:F2i=-0.50 F2f=-0.50
			D2 :da 125 a 126 Azione : DL:F2i=-1.00 F2f=-1.00
			D2 :da 127 a 128 Azione : DL:F2i=-0.50 F2f=-0.50
			D2 :da 129 a 130 Azione : DL:F2i=-1.00 F2f=-1.00
			D2 :da 131 a 132 Azione : DL:F2i=-0.50 F2f=-0.50
			D2 :da 133 a 134 Azione : DL:F2i=-1.00 F2f=-1.00
			D2 :da 135 a 136 Azione : DL:F2i=-0.50 F2f=-0.50
			D2 :da 137 a 138 Azione : DL:F2i=-1.00 F2f=-1.00
			D2 :da 139 a 140 Azione : DL:F2i=-0.50 F2f=-0.50
			D2 :da 141 a 142 Azione : DL:F2i=-1.00 F2f=-1.00
			D2 : 143 Azione : DL:F2i=-0.50 F2f=-0.50
			D2 : 188 Azione : DL:F2i=-0.50 F2f=-0.50
			D2 :da 189 a 190 Azione : DL:F2i=-1.00 F2f=-1.00
			D2 :da 191 a 192 Azione : DL:F2i=-0.50 F2f=-0.50
			D2 :da 193 a 194 Azione : DL:F2i=-1.00 F2f=-1.00
			D2 :da 195 a 196 Azione : DL:F2i=-0.50 F2f=-0.50
			D2 :da 197 a 198 Azione : DL:F2i=-1.00 F2f=-1.00

CDC	Tipo	Sigla Id	Note
			D2 :da 199 a 200 Azione : DL:F2i=-0.50 F2f=-0.50
			D2 :da 201 a 202 Azione : DL:F2i=-1.00 F2f=-1.00
			D2 :da 203 a 204 Azione : DL:F2i=-0.50 F2f=-0.50
			D2 :da 205 a 206 Azione : DL:F2i=-1.00 F2f=-1.00
			D2 :da 207 a 208 Azione : DL:F2i=-0.50 F2f=-0.50
			D2 :da 209 a 210 Azione : DL:F2i=-1.00 F2f=-1.00
			D2 : 211 Azione : DL:F2i=-0.50 F2f=-0.50
			D2 : 256 Azione : DL:F2i=-0.50 F2f=-0.50
			D2 :da 257 a 258 Azione : DL:F2i=-1.00 F2f=-1.00
			D2 :da 259 a 260 Azione : DL:F2i=-0.50 F2f=-0.50
			D2 :da 261 a 262 Azione : DL:F2i=-1.00 F2f=-1.00
			D2 :da 263 a 264 Azione : DL:F2i=-0.50 F2f=-0.50
			D2 :da 265 a 266 Azione : DL:F2i=-1.00 F2f=-1.00
			D2 :da 267 a 268 Azione : DL:F2i=-0.50 F2f=-0.50
			D2 :da 269 a 270 Azione : DL:F2i=-1.00 F2f=-1.00
			D2 :da 271 a 272 Azione : DL:F2i=-0.50 F2f=-0.50
			D2 :da 273 a 274 Azione : DL:F2i=-1.00 F2f=-1.00
			D2 :da 275 a 276 Azione : DL:F2i=-0.50 F2f=-0.50
			D2 :da 277 a 278 Azione : DL:F2i=-1.00 F2f=-1.00
			D2 : 279 Azione : DL:F2i=-0.50 F2f=-0.50
			D2 : 324 Azione : DL:F2i=-0.50 F2f=-0.50
			D2 :da 325 a 326 Azione : DL:F2i=-1.00 F2f=-1.00
			D2 :da 327 a 328 Azione : DL:F2i=-0.50 F2f=-0.50
			D2 :da 329 a 330 Azione : DL:F2i=-1.00 F2f=-1.00
			D2 :da 331 a 332 Azione : DL:F2i=-0.50 F2f=-0.50
			D2 :da 333 a 334 Azione : DL:F2i=-1.00 F2f=-1.00
			D2 :da 335 a 336 Azione : DL:F2i=-0.50 F2f=-0.50
			D2 :da 337 a 338 Azione : DL:F2i=-1.00 F2f=-1.00
			D2 :da 339 a 340 Azione : DL:F2i=-0.50 F2f=-0.50
			D2 :da 341 a 342 Azione : DL:F2i=-1.00 F2f=-1.00
			D2 :da 343 a 344 Azione : DL:F2i=-0.50 F2f=-0.50
			D2 :da 345 a 346 Azione : DL:F2i=-1.00 F2f=-1.00
			D2 : 347 Azione : DL:F2i=-0.50 F2f=-0.50
			D2 : 392 Azione : DL:F2i=-0.50 F2f=-0.50
			D2 :da 393 a 394 Azione : DL:F2i=-1.00 F2f=-1.00
			D2 :da 395 a 396 Azione : DL:F2i=-0.50 F2f=-0.50
			D2 :da 397 a 398 Azione : DL:F2i=-1.00 F2f=-1.00
			D2 :da 399 a 400 Azione : DL:F2i=-0.50 F2f=-0.50
			D2 :da 401 a 402 Azione : DL:F2i=-1.00 F2f=-1.00
			D2 :da 403 a 404 Azione : DL:F2i=-0.50 F2f=-0.50
			D2 :da 405 a 406 Azione : DL:F2i=-1.00 F2f=-1.00
			D2 :da 407 a 408 Azione : DL:F2i=-0.50 F2f=-0.50
			D2 :da 409 a 410 Azione : DL:F2i=-1.00 F2f=-1.00
			D2 :da 411 a 412 Azione : DL:F2i=-0.50 F2f=-0.50
			D2 :da 413 a 414 Azione : DL:F2i=-1.00 F2f=-1.00
			D2 : 415 Azione : DL:F2i=-0.50 F2f=-0.50

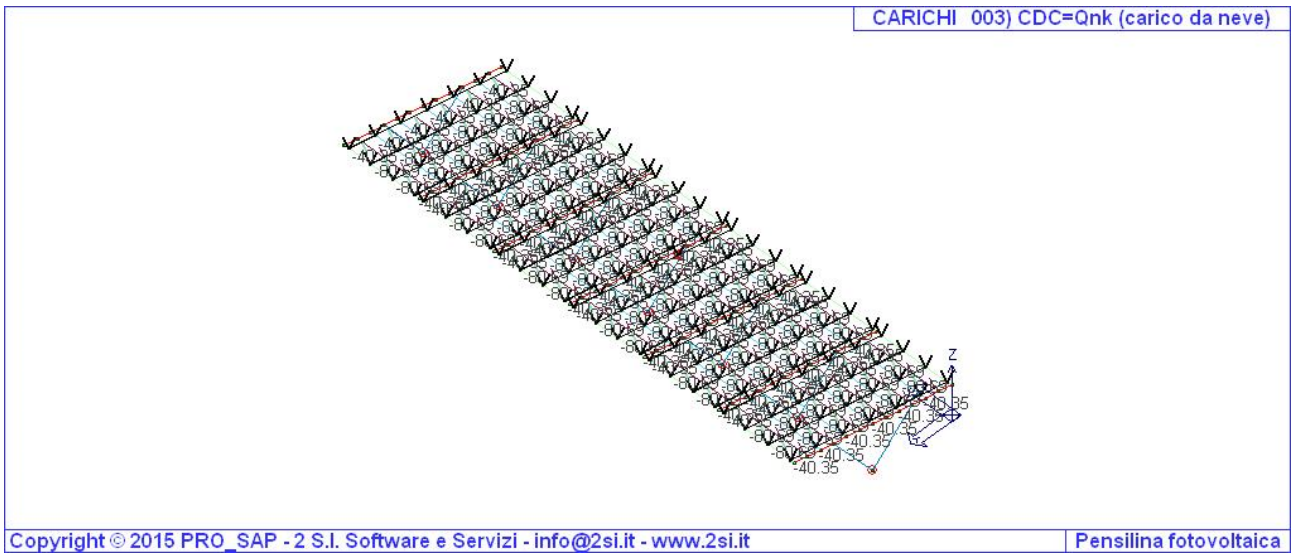


Fig. 4

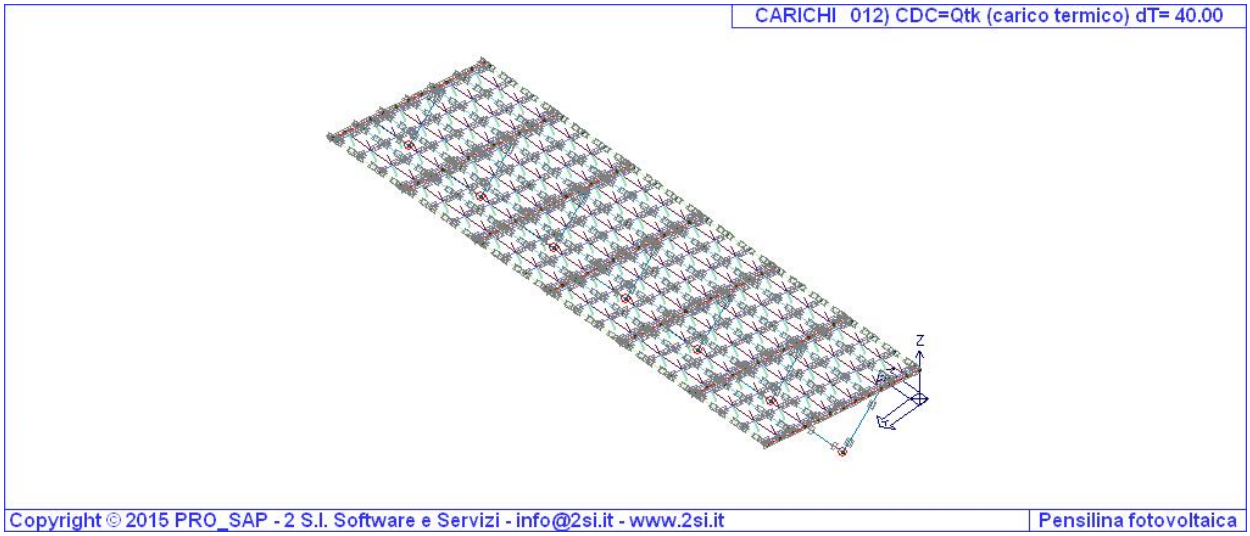


Fig. 5

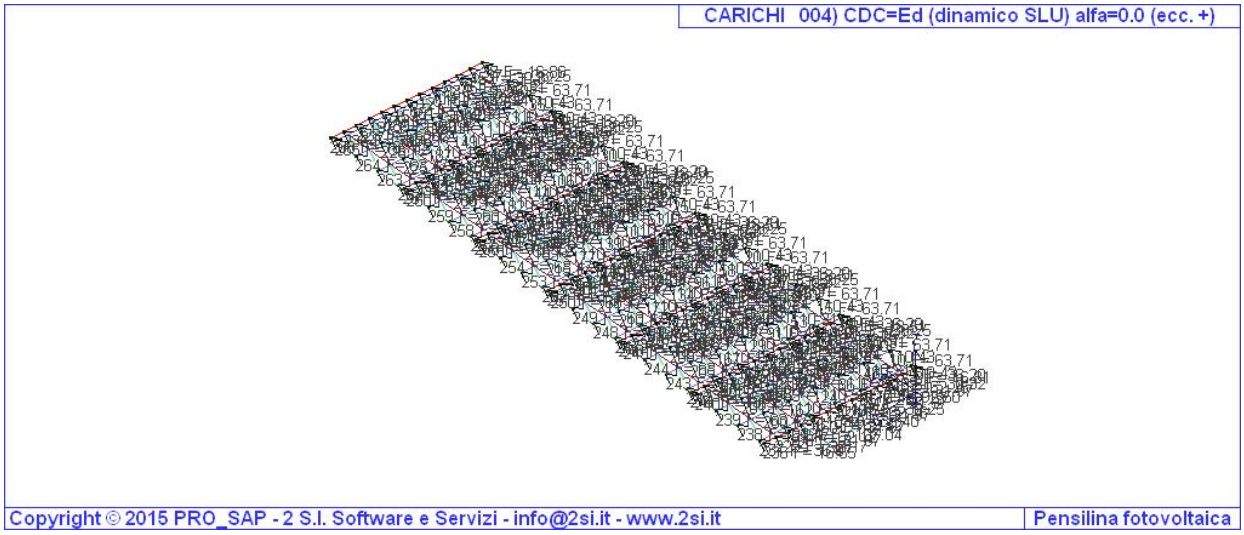


Fig. 6

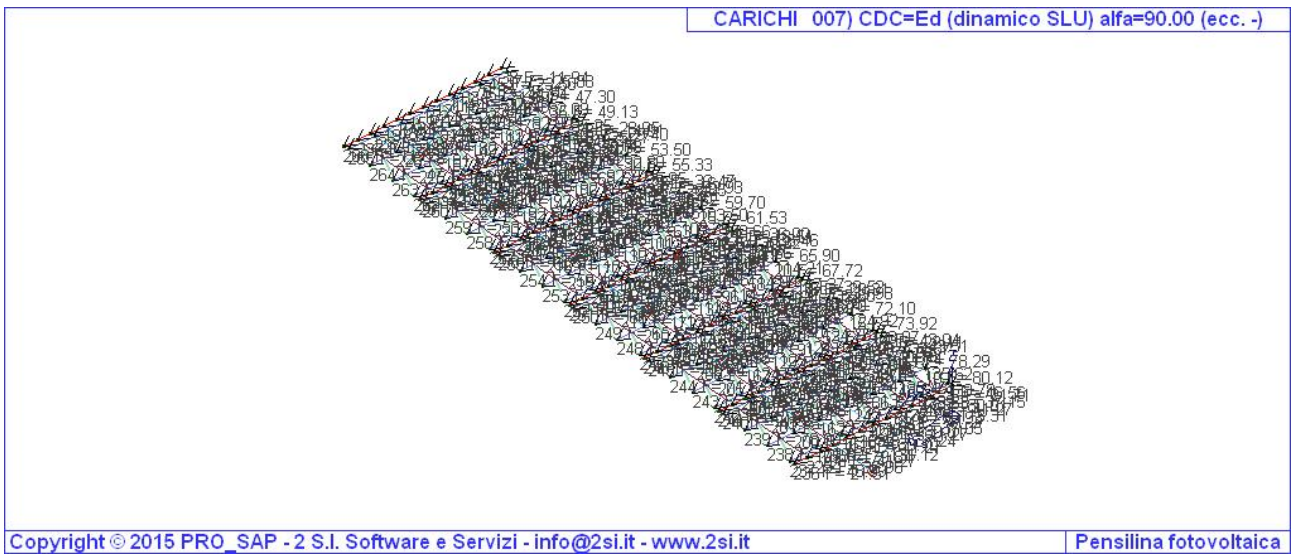


Fig. 7

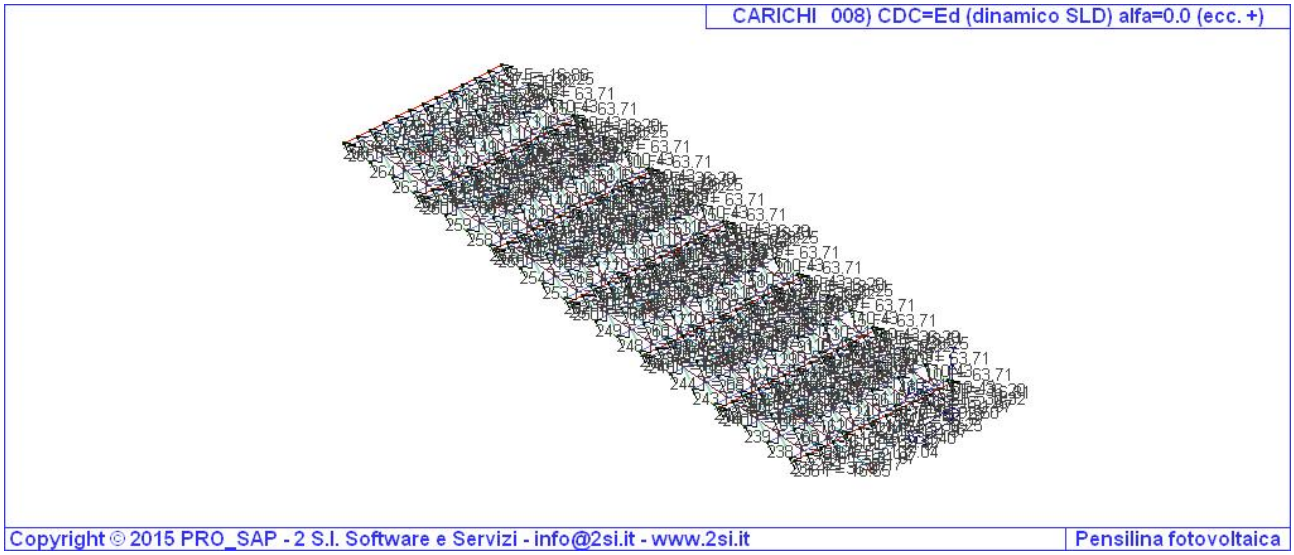


Fig. 8

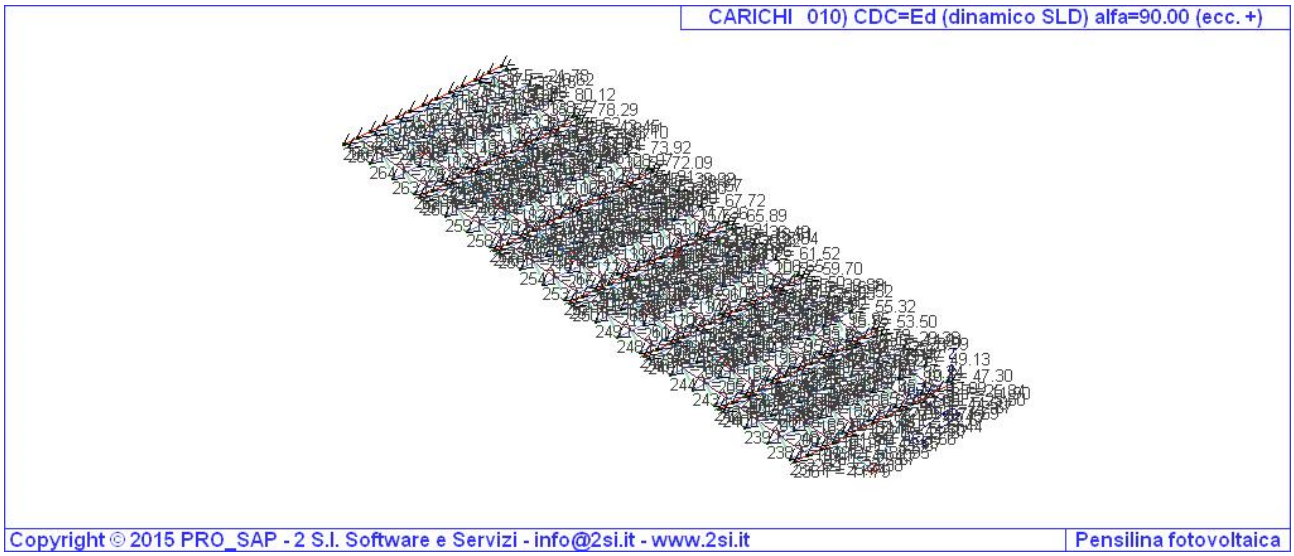


Fig. 9

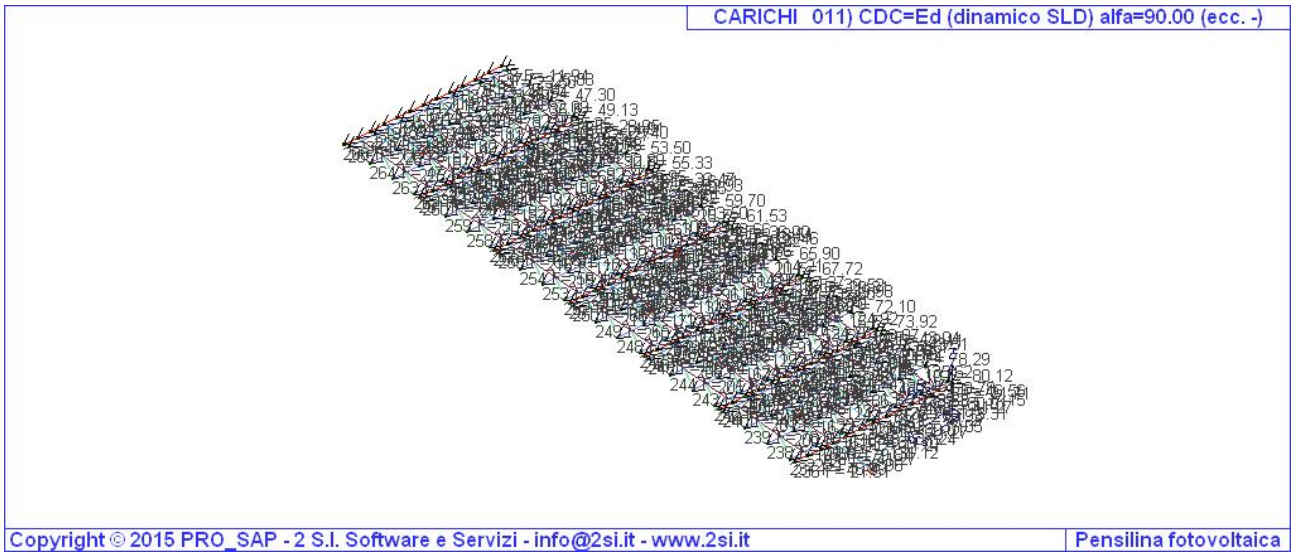
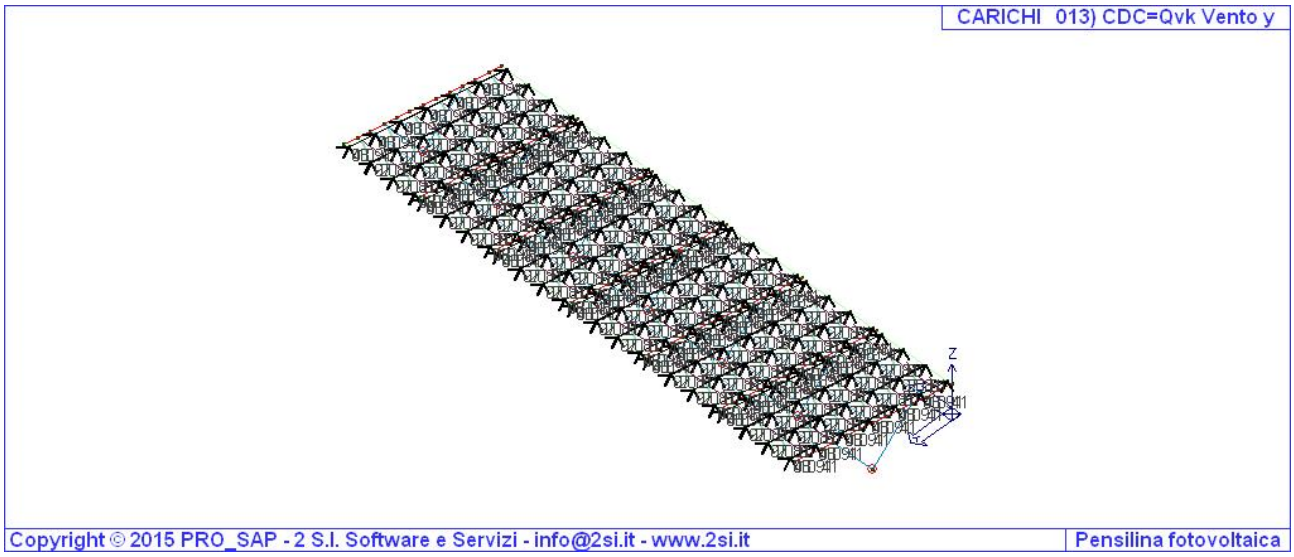


Fig. 10


CARICHI 013) CDC=Qvk Vento y
Z
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Pensilina fotovoltaica
Fig. 11

DEFINIZIONE DELLE COMBINAZIONI

LEGENDA TABELLA COMBINAZIONI DI CARICO

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

$\gamma G1 \cdot G1 + \gamma G2 \cdot G2 + \gamma P \cdot P + \gamma Q1 \cdot Qk1 + \gamma Q2 \cdot \psi 02 \cdot Qk2 + \gamma Q3 \cdot \psi 03 \cdot Qk3 + \ldots$

Combinazione caratteristica (rara) SLE

$G_1 + G_2 + P + Q_{k1} + \psi 02 \cdot Q_{k2} + \psi 03 \cdot Q_{k3} + \ldots$

Combinazione frequente SLE

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

Combinazione quasi permanente SLE

$G1 + G2 + P + \psi 21 \cdot Qk1 + \psi 22 \cdot Qk2 + \psi 23 \cdot Qk3 + \ldots$

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

$E + G_1 + G_2 + P + \psi 21 \cdot Q_{k1} + \psi 22 \cdot Q_{k2} + \ldots$

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

$G_1 + G_2 + P + \psi 21 \cdot Q_{k1} + \psi 22 \cdot Q_{k2} + \ldots$

Dove:

NTC 2008 Tabella 2.5.I

Destinazione d'uso/azione	**ψ0**	**ψ1**	**ψ2**
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 <= 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 <= 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 2008 Tabella 2.6.I

		Coefficiente γf	**EQU**	**A1**	**A2**
Carichi permanenti	Favorevoli	γG1	0,9	1,0	1,0
	Sfavorevoli		1,1	1,3	1,0
Carichi permanenti non strutturali	Favorevoli	γG2	0,0	0,0	0,0
(Non compiutamente definiti)	Sfavorevoli		1,5	1,5	1,3
Carichi variabili	Favorevoli	γQi	0,0	0,0	0,0
	Sfavorevoli		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 (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	SLU	Comb. SLU A1 (SLV sism.) 55	
56	SLU	Comb. SLU A1 (SLV sism.) 56	
57	SLD(sis)	Comb. SLE (SLD Danno sism.) 57	
58	SLD(sis)	Comb. SLE (SLD Danno sism.) 58	
59	SLD(sis)	Comb. SLE (SLD Danno sism.) 59	
60	SLD(sis)	Comb. SLE (SLD Danno sism.) 60	
61	SLD(sis)	Comb. SLE (SLD Danno sism.) 61	
62	SLD(sis)	Comb. SLE (SLD Danno sism.) 62	
63	SLD(sis)	Comb. SLE (SLD Danno sism.) 63	
64	SLD(sis)	Comb. SLE (SLD Danno sism.) 64	
65	SLD(sis)	Comb. SLE (SLD Danno sism.) 65	

Cmb	Tipo	Sigla Id	effetto P-delta
66	SLD(sis)	Comb. SLE (SLD Danno sism.) 66	
67	SLD(sis)	Comb. SLE (SLD Danno sism.) 67	
68	SLD(sis)	Comb. SLE (SLD Danno sism.) 68	
69	SLD(sis)	Comb. SLE (SLD Danno sism.) 69	
70	SLD(sis)	Comb. SLE (SLD Danno sism.) 70	
71	SLD(sis)	Comb. SLE (SLD Danno sism.) 71	
72	SLD(sis)	Comb. SLE (SLD Danno sism.) 72	
73	SLD(sis)	Comb. SLE (SLD Danno sism.) 73	
74	SLD(sis)	Comb. SLE (SLD Danno sism.) 74	
75	SLD(sis)	Comb. SLE (SLD Danno sism.) 75	
76	SLD(sis)	Comb. SLE (SLD Danno sism.) 76	
77	SLD(sis)	Comb. SLE (SLD Danno sism.) 77	
78	SLD(sis)	Comb. SLE (SLD Danno sism.) 78	
79	SLD(sis)	Comb. SLE (SLD Danno sism.) 79	
80	SLD(sis)	Comb. SLE (SLD Danno sism.) 80	
81	SLD(sis)	Comb. SLE (SLD Danno sism.) 81	
82	SLD(sis)	Comb. SLE (SLD Danno sism.) 82	
83	SLD(sis)	Comb. SLE (SLD Danno sism.) 83	
84	SLD(sis)	Comb. SLE (SLD Danno sism.) 84	
85	SLD(sis)	Comb. SLE (SLD Danno sism.) 85	
86	SLD(sis)	Comb. SLE (SLD Danno sism.) 86	
87	SLD(sis)	Comb. SLE (SLD Danno sism.) 87	
88	SLD(sis)	Comb. SLE (SLD Danno sism.) 88	
89	SLU(acc.)	Comb. SLU (Accid.) 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(r)	Comb. SLE(rara) 98	
99	SLE(r)	Comb. SLE(rara) 99	
100	SLE(r)	Comb. SLE(rara) 100	
101	SLE(r)	Comb. SLE(rara) 101	
102	SLE(f)	Comb. SLE(freq.) 102	
103	SLE(f)	Comb. SLE(freq.) 103	
104	SLE(f)	Comb. SLE(freq.) 104	
105	SLE(f)	Comb. SLE(freq.) 105	
106	SLE(f)	Comb. SLE(freq.) 106	
107	SLE(p)	Comb. SLE(perm.) 107	

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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.90	0.90	
2	1.30	1.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.90	0.90	
3	1.30	1.30	1.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.90	0.90	
4	1.30	1.30	1.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.90	0.90	
5	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.90	0.90	
6	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.90	0.90	
7	1.00	1.00	1.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.90	0.90	
8	1.00	1.00	1.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.90	0.90	
9	1.30	1.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-1.50	0.90	
10	1.30	1.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.50	0.90	
11	1.30	1.30	0.75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-1.50	0.90	
12	1.30	1.30	0.75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.50	0.90	
13	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-1.50	0.90	
14	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.50	0.90	
15	1.00	1.00	0.75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-1.50	0.90	
16	1.00	1.00	0.75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.50	0.90	
17	1.30	1.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.90	1.50	
18	1.30	1.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.90	1.50	
19	1.30	1.30	0.75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.90	1.50	
20	1.30	1.30	0.75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.90	1.50	
21	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.90	1.50	

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...
22	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.90	1.50	
23	1.00	1.00	0.75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.90	1.50	
24	1.00	1.00	0.75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.90	1.50	
25	1.00	1.00	0.0	-1.00	0.0	-0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
26	1.00	1.00	0.0	-1.00	0.0	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
27	1.00	1.00	0.0	1.00	0.0	-0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
28	1.00	1.00	0.0	1.00	0.0	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
29	1.00	1.00	0.0	-1.00	0.0	0.0	-0.30	0.0	0.0	0.0	0.0	0.0	0.0	
30	1.00	1.00	0.0	-1.00	0.0	0.0	0.30	0.0	0.0	0.0	0.0	0.0	0.0	
31	1.00	1.00	0.0	1.00	0.0	0.0	-0.30	0.0	0.0	0.0	0.0	0.0	0.0	
32	1.00	1.00	0.0	1.00	0.0	0.0	0.30	0.0	0.0	0.0	0.0	0.0	0.0	
33	1.00	1.00	0.0	0.0	-1.00	-0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
34	1.00	1.00	0.0	0.0	-1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
35	1.00	1.00	0.0	0.0	1.00	-0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
36	1.00	1.00	0.0	0.0	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
37	1.00	1.00	0.0	0.0	-1.00	0.0	-0.30	0.0	0.0	0.0	0.0	0.0	0.0	
38	1.00	1.00	0.0	0.0	-1.00	0.0	0.30	0.0	0.0	0.0	0.0	0.0	0.0	
39	1.00	1.00	0.0	0.0	1.00	0.0	-0.30	0.0	0.0	0.0	0.0	0.0	0.0	
40	1.00	1.00	0.0	0.0	1.00	0.0	0.30	0.0	0.0	0.0	0.0	0.0	0.0	
41	1.00	1.00	0.0	-0.30	0.0	-1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
42	1.00	1.00	0.0	-0.30	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
43	1.00	1.00	0.0	0.30	0.0	-1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
44	1.00	1.00	0.0	0.30	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
45	1.00	1.00	0.0	0.0	-0.30	-1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
46	1.00	1.00	0.0	0.0	-0.30	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
47	1.00	1.00	0.0	0.0	0.30	-1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
48	1.00	1.00	0.0	0.0	0.30	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
49	1.00	1.00	0.0	-0.30	0.0	0.0	-1.00	0.0	0.0	0.0	0.0	0.0	0.0	
50	1.00	1.00	0.0	-0.30	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	
51	1.00	1.00	0.0	0.30	0.0	0.0	-1.00	0.0	0.0	0.0	0.0	0.0	0.0	
52	1.00	1.00	0.0	0.30	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	
53	1.00	1.00	0.0	0.0	-0.30	0.0	-1.00	0.0	0.0	0.0	0.0	0.0	0.0	
54	1.00	1.00	0.0	0.0	-0.30	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	
55	1.00	1.00	0.0	0.0	0.30	0.0	-1.00	0.0	0.0	0.0	0.0	0.0	0.0	
56	1.00	1.00	0.0	0.0	0.30	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	
57	1.00	1.00	0.0	0.0	0.0	0.0	0.0	-1.00	0.0	-0.30	0.0	0.0	0.0	
58	1.00	1.00	0.0	0.0	0.0	0.0	0.0	-1.00	0.0	0.30	0.0	0.0	0.0	
59	1.00	1.00	0.0	0.0	0.0	0.0	0.0	1.00	0.0	-0.30	0.0	0.0	0.0	
60	1.00	1.00	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.30	0.0	0.0	0.0	
61	1.00	1.00	0.0	0.0	0.0	0.0	0.0	-1.00	0.0	0.0	-0.30	0.0	0.0	
62	1.00	1.00	0.0	0.0	0.0	0.0	0.0	-1.00	0.0	0.0	0.30	0.0	0.0	
63	1.00	1.00	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	-0.30	0.0	0.0	
64	1.00	1.00	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.30	0.0	0.0	
65	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	-1.00	-0.30	0.0	0.0	0.0	
66	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	-1.00	0.30	0.0	0.0	0.0	
67	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	1.00	-0.30	0.0	0.0	0.0	
68	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.30	0.0	0.0	0.0	
69	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	-1.00	0.0	-0.30	0.0	0.0	
70	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	-1.00	0.0	0.30	0.0	0.0	
71	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	-0.30	0.0	0.0	
72	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.30	0.0	0.0	
73	1.00	1.00	0.0	0.0	0.0	0.0	0.0	-0.30	0.0	-1.00	0.0	0.0	0.0	
74	1.00	1.00	0.0	0.0	0.0	0.0	0.0	-0.30	0.0	1.00	0.0	0.0	0.0	
75	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.30	0.0	-1.00	0.0	0.0	0.0	
76	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.30	0.0	1.00	0.0	0.0	0.0	
77	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	-0.30	-1.00	0.0	0.0	0.0	
78	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	-0.30	1.00	0.0	0.0	0.0	
79	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.30	-1.00	0.0	0.0	0.0	
80	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.30	1.00	0.0	0.0	0.0	
81	1.00	1.00	0.0	0.0	0.0	0.0	0.0	-0.30	0.0	0.0	-1.00	0.0	0.0	
82	1.00	1.00	0.0	0.0	0.0	0.0	0.0	-0.30	0.0	0.0	1.00	0.0	0.0	
83	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.30	0.0	0.0	-1.00	0.0	0.0	
84	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.30	0.0	0.0	1.00	0.0	0.0	
85	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	-0.30	0.0	-1.00	0.0	0.0	
86	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	-0.30	0.0	1.00	0.0	0.0	
87	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.30	0.0	-1.00	0.0	0.0	
88	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.30	0.0	1.00	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...
89	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
90	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.60	0.60	
91	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.60	0.60	
92	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.60	0.60	
93	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.60	0.60	
94	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	
95	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	
96	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	
97	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	
98	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.60	1.00	
99	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.60	1.00	
100	1.00	1.00	0.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.60	1.00	
101	1.00	1.00	0.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.60	1.00	
102	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
103	1.00	1.00	0.20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
104	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.50	0.0	
105	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.50	0.0	
106	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.20	
107	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

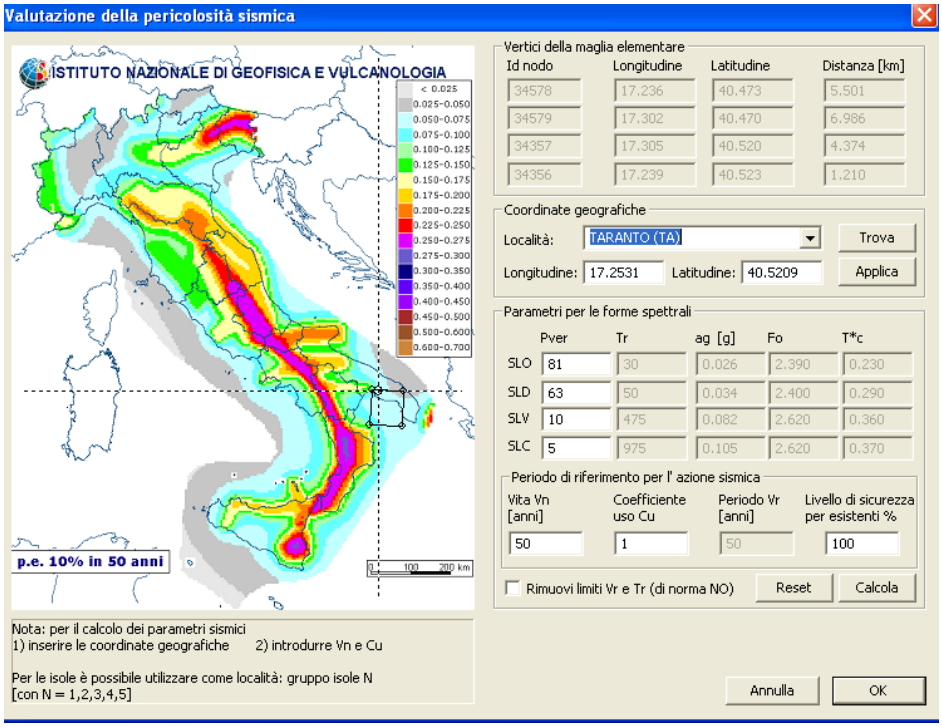
AZIONE SISMICA

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 Vr 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 Vr e la probabilità di superamento Pver associata a ciascuno degli stati limite considerati, si ottiene il periodo di ritorno Tr e i relativi parametri di pericolosità sismica (vedi tabella successiva):
ag: accelerazione orizzontale massima del terreno;
Fo: 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 Vn [anni]	Coeff. Uso	Periodo Vr [anni]	Tipo di suolo	Categoria topografica
II	50.0	1.0	50.0	B	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 = Ss*St (3.2.5)
Fo è il fattore che quantifica l'amplificazione spettrale massima, su sito di riferimento rigido orizzontale
Fv è il fattore che quantifica l'amplificazione spettrale massima verticale, in termini di accelerazione orizzontale massima del terreno ag su sito di riferimento rigido orizzontale
Tb è il periodo corrispondente all'inizio del tratto dello spettro ad accelerazione costante.
Tc è il periodo corrispondente all'inizio del tratto dello spettro a velocità costante.
Td è il periodo corrispondente all'inizio del tratto dello spettro a spostamento costante.

Id nodo	Longitudine	Latitudine	Distanza
			Km
Loc.	17.253	40.521	
34578	17.236	40.473	5.501
34579	17.302	40.470	6.986
34357	17.305	40.520	4.374

Id nodo	Longitudine	Latitudine	Distanza
34356	17.239	40.523	1.210

SL	Pver	Tr	ag	Fo	T*c
		Anni	g		sec
SLO	81.0	30.0	0.026	2.390	0.230
SLD	63.0	50.0	0.034	2.400	0.290
SLV	10.0	475.0	0.082	2.620	0.360
SLC	5.0	975.0	0.105	2.620	0.370

SL	ag	S	Fo	Fv	Tb	Tc	Td
	g				sec	sec	sec
SLO	0.026	1.200	2.390	0.518	0.113	0.339	1.703
SLD	0.034	1.200	2.400	0.595	0.136	0.409	1.735
SLV	0.082	1.200	2.620	1.011	0.162	0.486	1.927
SLC	0.105	1.200	2.620	1.145	0.166	0.497	2.019

RISULTATI ANALISI SISMICHE

LEGENDA TABELLA ANALISI 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	Angolo di ingresso dell'azione sismica orizzontale
Fattore di importanza	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 di struttura q	Fattore dipendente dalla tipologia strutturale
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 riduz. SLD	Fattore di riduzione dello spettro elastico per lo stato limite di danno
Periodo proprio T1	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)	Valore delle ordinate dello spettro di progetto per lo stato limite ultimo, componente orizzontale (verticale Svd)
Ordinata spettro Se(T1)	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)	Valore dell' ordinata dello spettro in uso nel tratto costante
numero di modi considerati	Numero di modi di vibrare della struttura considerati nell'analisi dinamica

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/Ls (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/Ls (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 etaT (dr) degli elementi strutturali verticali. Per semplicità di consultazione il livello è espresso anche in unità 1000*etaT/h da confrontare direttamente con i valori forniti nella norma (es. 5 per edifici con tamponamenti collegati rigidamente alla struttura, 10.0 per edifici con tamponamenti collegati elasticamente, 3 per edifici in muratura ordinaria, 4 per edifici in muratura armata).

Qualora si applichi il D.M. 96 (vedi NOTA sul capitolo "normativa di riferimento") l'analisi sismica dinamica può essere comprensiva di sollecitazione verticale contemporanea a quella orizzontale, nel qual caso è effettuata una sovrapposizione degli effetti in ragione della radice dei quadrati degli effetti stessi. Per ciascuna combinazione sismica - analisi effettuate con il D.M. 96 (vedi NOTA sul capitolo "normativa di riferimento") - viene riportato il livello di deformazione etaT, etaP e etaD degli elementi strutturali verticali. Per semplicità di consultazione il livello è espresso in unità 1000*etaT/h da confrontare direttamente con il valore 2 o 4 per la verifica.

Per gli edifici sismicamente isolati si riportano di seguito le verifiche condotte sui dispositivi di isolamento. Le verifiche sono effettuate secondo l' allegato 10.A dell'Ordinanza 3274 e smi. In particolare la tabella, per ogni combinazione SLU (SLC per il DM 14-01-2008) sismica riporta il codice di verifica e i valori utilizzati per la verifica: spostamento dE, area ridotta e dimensione A2, azione verticale, deformazioni di taglio dell' elastomero e tensioni nell' acciaio.

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 (amplificato del 20% per Ordinanza 3274 e smi) combinato con la regola del 30%
Ang fi	Angolo utilizzato per il calcolo dell' area ridotta Ar (per dispositivi circolari)
V	Azione verticale agente
Ar	Area ridotta efficace
Dim A2	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' elestomero
Vcr	Carico critico per instabilità

Affinché la verifica sia positiva deve essere:

1) V > 0
2) Sig s < fyk
3) Gam t < 5
4) Gam s < Gam * (caratteristica dell' elastomero)
5) Gam s < 2
6) V < 0.5 Vcr

Con riferimento al **Documento di Affidabilità** "*Test di validazione del software di calcolo PRO_SAP e dei moduli aggiuntivi PRO_SAP Modulo Geotecnico, PRO_CAD nodi acciaio e PRO_MST*" - versione Maggio 2011, disponibile per il download sul sito **www.2si.it**, si segnalano i seguenti esempi applicativi:

Test N°	Titolo
23	DM 2008: SPETTRO
29	SISMICA 1000/H, SOMMA V, EFFETTO P-δ
30	ANALISI DI UN EDIFICIO CON ISOLATORI SISMICI
70	MASSE SISMICHE
75	PROGETTO DI ISOLATORI ELASTOMERICI
76	VERIFICA DI ISOLATORI ELASTOMERICI
77	VERIFICA DI ISOLATORI FRICTION PENDULUM

CDC	Tipo	Sigla Id	Note
4	Edk	CDC=Ed (dinamico SLU) alfa=0.0 (ecc. +)	
			categoria suolo: B
			fattore di sito S = 1.200
			ordinata spettro (tratto Tb-Tc) = 0.257 g
			angolo di ingresso:0.0
			eccentricità aggiuntiva: positiva
			periodo proprio T1: 1.437 sec.
			fattore di struttura q: 1.000
			fattore per spost. mu d: 1.000
			classe di duttilità CD: B
			numero di modi considerati: 12
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	rapp. r/Ls	rapp. ex/rx	rapp. ey/ry
m	daN	m	m	m	m	m	m			
4.75	1319.89	16.80	11.75	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.54	211.18	16.80	10.78	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.34	2300.46	16.80	9.80	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.13	749.26	16.80	8.82	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.92	2307.14	16.80	7.84	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.71	212.80	16.80	6.86	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.50	2304.92	16.80	5.88	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.29	211.72	16.80	4.90	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.08	2302.69	16.80	3.92	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.88	647.49	16.80	2.94	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.67	2304.92	16.80	1.96	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.46	212.26	16.80	0.98	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.25	1325.43	16.80	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Risulta	1.641e+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	0.696	1.437	0.087	1.576e+04	96.0	3.81e-03	2.32e-05	0.0	0.0	0.0	0.0
2	0.739	1.353	0.092	8.85e-03	5.39e-05	1.182e+04	72.0	0.08	4.81e-04	0.0	0.0
3	0.823	1.215	0.103	612.29	3.7	0.01	6.19e-05	0.0	0.0	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
4	1.313	0.761	0.164	0.0	0.0	96.99	0.6	0.02	1.36e-04	0.0	0.0
5	1.625	0.616	0.203	22.14	0.1	1.96e-05	0.0	1.79e-05	0.0	0.0	0.0
6	2.105	0.475	0.257	16.24	9.89e-02	2.27e-04	1.38e-06	1.03e-04	0.0	0.0	0.0
7	2.359	0.424	0.257	1.31e-06	0.0	71.68	0.4	2.13	1.30e-02	0.0	0.0
8	2.990	0.334	0.257	0.21	1.29e-03	1.06e-03	6.44e-06	1.54e-04	0.0	0.0	0.0
9	3.222	0.310	0.257	0.0	0.0	3567.27	21.7	3.49	2.13e-02	0.0	0.0
10	3.314	0.302	0.257	4.35e-03	2.65e-05	1.42e-05	0.0	0.0	0.0	0.0	0.0
11	3.447	0.290	0.257	0.0	0.0	141.37	0.9	1.64	1.00e-02	0.0	0.0
12	3.568	0.280	0.257	0.0	0.0	189.79	1.2	6.39	3.90e-02	0.0	0.0
Risulta				1.641e+04		1.588e+04		13.77			
In percentuale				100.00		96.79		0.08			

CDC	Tipo	Sigla Id	Note
5	Edk	CDC=Ed (dinamico SLU) alfa=0.0 (ecc. -)	
			categoria suolo: B
			fattore di sito S = 1.200
			ordinata spettro (tratto Tb-Tc) = 0.257 g
			angolo di ingresso:0.0
			eccentricità aggiuntiva: negativa
			periodo proprio T1: 1.437 sec.
			fattore di struttura q: 1.000
			fattore per spost. mu d: 1.000
			classe di duttilità CD: B
			numero di modi considerati: 12
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	rapp. r/Ls	rapp. ex/rx	rapp. ey/ry
m	daN	m	m	m	m	m	m			
4.75	1319.89	16.80	11.75	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.54	211.18	16.80	10.78	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.34	2300.46	16.80	9.80	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.13	749.26	16.80	8.82	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.92	2307.14	16.80	7.84	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.71	212.80	16.80	6.86	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.50	2304.92	16.80	5.88	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.29	211.72	16.80	4.90	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.08	2302.69	16.80	3.92	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.88	647.49	16.80	2.94	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.67	2304.92	16.80	1.96	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.46	212.26	16.80	0.98	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.25	1325.43	16.80	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Risulta	1.641e+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	0.696	1.437	0.087	1.576e+04	96.0	3.81e-03	2.32e-05	0.0	0.0	0.0	0.0
2	0.739	1.353	0.092	8.85e-03	5.39e-05	1.182e+04	72.0	0.08	4.81e-04	0.0	0.0
3	0.823	1.215	0.103	612.29	3.7	0.01	6.19e-05	0.0	0.0	0.0	0.0
4	1.313	0.761	0.164	0.0	0.0	96.99	0.6	0.02	1.36e-04	0.0	0.0
5	1.625	0.616	0.203	22.14	0.1	1.96e-05	0.0	1.79e-05	0.0	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
6	2.105	0.475	0.257	16.24	9.89e-02	2.27e-04	1.38e-06	1.03e-04	0.0	0.0	0.0
7	2.359	0.424	0.257	1.31e-06	0.0	71.68	0.4	2.13	1.30e-02	0.0	0.0
8	2.990	0.334	0.257	0.21	1.29e-03	1.06e-03	6.44e-06	1.54e-04	0.0	0.0	0.0
9	3.222	0.310	0.257	0.0	0.0	3567.27	21.7	3.49	2.13e-02	0.0	0.0
10	3.314	0.302	0.257	4.35e-03	2.65e-05	1.42e-05	0.0	0.0	0.0	0.0	0.0
11	3.447	0.290	0.257	0.0	0.0	141.37	0.9	1.64	1.00e-02	0.0	0.0
12	3.568	0.280	0.257	0.0	0.0	189.79	1.2	6.39	3.90e-02	0.0	0.0
Risulta				1.641e+04		1.588e+04		13.77			
In percentuale				100.00		96.79		0.08			

CDC	Tipo	Sigla Id	Note
6	Edk	CDC=Ed (dinamico SLU) alfa=90.00 (ecc. +)	
			categoria suolo: B
			fattore di sito S = 1.200
			ordinata spettro (tratto Tb-Tc) = 0.257 g
			angolo di ingresso:90.00
			eccentricità aggiuntiva: positiva
			periodo proprio T1: 1.378 sec.
			fattore di struttura q: 1.000
			fattore per spost. mu d: 1.000
			classe di duttilità CD: B
			numero di modi considerati: 12
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	rapp. r/Ls	rapp. ex/rx	rapp. ey/ry
m	daN	m	m	m	m	m	m			
4.75	1319.89	16.80	11.75	1.68	0.0	0.0	0.0	0.0	0.0	0.0
4.54	211.18	16.80	10.78	1.68	0.0	0.0	0.0	0.0	0.0	0.0
4.34	2300.46	16.80	9.80	1.68	0.0	0.0	0.0	0.0	0.0	0.0
4.13	749.26	16.80	8.82	1.68	0.0	0.0	0.0	0.0	0.0	0.0
3.92	2307.14	16.80	7.84	1.68	0.0	0.0	0.0	0.0	0.0	0.0
3.71	212.80	16.80	6.86	1.68	0.0	0.0	0.0	0.0	0.0	0.0
3.50	2304.92	16.80	5.88	1.68	0.0	0.0	0.0	0.0	0.0	0.0
3.29	211.72	16.80	4.90	1.68	0.0	0.0	0.0	0.0	0.0	0.0
3.08	2302.69	16.80	3.92	1.68	0.0	0.0	0.0	0.0	0.0	0.0
2.88	647.49	16.80	2.94	1.68	0.0	0.0	0.0	0.0	0.0	0.0
2.67	2304.92	16.80	1.96	1.68	0.0	0.0	0.0	0.0	0.0	0.0
2.46	212.26	16.80	0.98	1.68	0.0	0.0	0.0	0.0	0.0	0.0
2.25	1325.43	16.80	0.0	1.68	0.0	0.0	0.0	0.0	0.0	0.0
Risulta	1.641e+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	0.694	1.440	0.087	1.465e+04	89.3	624.13	3.8	2.60e-03	1.58e-05	0.0	0.0
2	0.726	1.378	0.091	1311.04	8.0	1.024e+04	62.4	0.06	3.62e-04	0.0	0.0
3	0.842	1.188	0.105	407.61	2.5	971.79	5.9	0.02	1.26e-04	0.0	0.0
4	1.319	0.758	0.165	0.12	7.08e-04	95.01	0.6	0.02	1.21e-04	0.0	0.0
5	1.627	0.615	0.203	22.46	0.1	0.23	1.43e-03	3.46e-03	2.11e-05	0.0	0.0
6	2.105	0.475	0.257	16.00	9.75e-02	4.20	2.56e-02	0.05	2.91e-04	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
7	2.365	0.423	0.257	0.03	2.08e-04	63.32	0.4	2.06	1.26e-02	0.0	0.0
8	2.986	0.335	0.257	0.21	1.25e-03	2.04	1.25e-02	0.08	5.16e-04	0.0	0.0
9	3.195	0.313	0.257	2.60e-03	1.59e-05	2959.60	18.0	2.45	1.49e-02	0.0	0.0
10	3.324	0.301	0.257	1.19e-03	7.25e-06	441.56	2.7	0.93	5.68e-03	0.0	0.0
11	3.467	0.288	0.257	1.04e-03	6.34e-06	255.83	1.6	1.97	1.20e-02	0.0	0.0
12	3.620	0.276	0.257	4.10e-03	2.50e-05	209.58	1.3	5.46	3.33e-02	0.0	0.0
Risulta				1.641e+04		1.587e+04		13.11			
In percentuale				100.00		96.71		0.08			

CDC	Tipo	Sigla Id	Note
7	Edk	CDC=Ed (dinamico SLU) alfa=90.00 (ecc. -)	
			categoria suolo: B
			fattore di sito S = 1.200
			ordinata spettro (tratto Tb-Tc) = 0.257 g
			angolo di ingresso:90.00
			eccentricità aggiuntiva: negativa
			periodo proprio T1: 1.378 sec.
			fattore di struttura q: 1.000
			fattore per spost. mu d: 1.000
			classe di duttilità CD: B
			numero di modi considerati: 12
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	rapp. r/Ls	rapp. ex/rx	rapp. ey/ry
m	daN	m	m	m	m	m	m			
4.75	1319.89	16.80	11.75	-1.68	0.0	0.0	0.0	0.0	0.0	0.0
4.54	211.18	16.80	10.78	-1.68	0.0	0.0	0.0	0.0	0.0	0.0
4.34	2300.46	16.80	9.80	-1.68	0.0	0.0	0.0	0.0	0.0	0.0
4.13	749.26	16.80	8.82	-1.68	0.0	0.0	0.0	0.0	0.0	0.0
3.92	2307.14	16.80	7.84	-1.68	0.0	0.0	0.0	0.0	0.0	0.0
3.71	212.80	16.80	6.86	-1.68	0.0	0.0	0.0	0.0	0.0	0.0
3.50	2304.92	16.80	5.88	-1.68	0.0	0.0	0.0	0.0	0.0	0.0
3.29	211.72	16.80	4.90	-1.68	0.0	0.0	0.0	0.0	0.0	0.0
3.08	2302.69	16.80	3.92	-1.68	0.0	0.0	0.0	0.0	0.0	0.0
2.88	647.49	16.80	2.94	-1.68	0.0	0.0	0.0	0.0	0.0	0.0
2.67	2304.92	16.80	1.96	-1.68	0.0	0.0	0.0	0.0	0.0	0.0
2.46	212.26	16.80	0.98	-1.68	0.0	0.0	0.0	0.0	0.0	0.0
2.25	1325.43	16.80	0.0	-1.68	0.0	0.0	0.0	0.0	0.0	0.0
Risulta	1.641e+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	0.694	1.440	0.087	1.463e+04	89.2	633.93	3.9	2.56e-03	1.56e-05	0.0	0.0
2	0.726	1.378	0.091	1329.65	8.1	1.023e+04	62.3	0.06	3.61e-04	0.0	0.0
3	0.842	1.188	0.105	406.47	2.5	978.17	6.0	0.02	1.27e-04	0.0	0.0
4	1.319	0.758	0.165	0.12	7.05e-04	95.01	0.6	0.02	1.21e-04	0.0	0.0
5	1.627	0.615	0.203	22.46	0.1	0.24	1.48e-03	4.55e-03	2.77e-05	0.0	0.0
6	2.105	0.475	0.257	16.00	9.75e-02	4.08	2.48e-02	0.04	2.40e-04	0.0	0.0
7	2.365	0.423	0.257	0.03	2.13e-04	63.31	0.4	2.07	1.26e-02	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
8	2.986	0.335	0.257	0.21	1.25e-03	1.87	1.14e-02	0.07	4.40e-04	0.0	0.0
9	3.195	0.313	0.257	2.43e-03	1.48e-05	2959.44	18.0	2.49	1.52e-02	0.0	0.0
10	3.324	0.301	0.257	1.21e-03	7.38e-06	441.91	2.7	0.93	5.65e-03	0.0	0.0
11	3.467	0.288	0.257	1.01e-03	6.14e-06	256.35	1.6	2.15	1.31e-02	0.0	0.0
12	3.620	0.276	0.257	4.17e-03	2.54e-05	209.18	1.3	6.08	3.70e-02	0.0	0.0
Risulta				1.641e+04		1.587e+04		13.93			
In percentuale				100.00		96.71		0.08			

CDC	Tipo	Sigla Id	Note
8	Edk	CDC=Ed (dinamico SLD) alfa=0.0 (ecc. +)	
			categoria suolo: B
			fattore di sito S = 1.200
			ordinata spettro (tratto Tb-Tc) = 0.097 g
			angolo di ingresso:0.0
			eccentricità aggiuntiva: positiva
			periodo proprio T1: 1.437 sec.
			numero di modi considerati: 12
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	rapp. r/Ls	rapp. ex/rx	rapp. ey/ry
m	daN	m	m	m	m	m	m			
4.75	1319.89	16.80	11.75	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.54	211.18	16.80	10.78	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.34	2300.46	16.80	9.80	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.13	749.26	16.80	8.82	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.92	2307.14	16.80	7.84	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.71	212.80	16.80	6.86	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.50	2304.92	16.80	5.88	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.29	211.72	16.80	4.90	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.08	2302.69	16.80	3.92	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.88	647.49	16.80	2.94	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.67	2304.92	16.80	1.96	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.46	212.26	16.80	0.98	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.25	1325.43	16.80	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Risulta	1.641e+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	0.696	1.437	0.028	1.576e+04	96.0	3.81e-03	2.32e-05	0.0	0.0	0.0	0.0
2	0.739	1.353	0.029	8.85e-03	5.39e-05	1.182e+04	72.0	0.08	4.81e-04	0.0	0.0
3	0.823	1.215	0.033	612.29	3.7	0.01	6.19e-05	0.0	0.0	0.0	0.0
4	1.313	0.761	0.052	0.0	0.0	96.99	0.6	0.02	1.36e-04	0.0	0.0
5	1.625	0.616	0.064	22.14	0.1	1.96e-05	0.0	1.79e-05	0.0	0.0	0.0
6	2.105	0.475	0.084	16.24	9.89e-02	2.27e-04	1.38e-06	1.03e-04	0.0	0.0	0.0
7	2.359	0.424	0.094	1.31e-06	0.0	71.68	0.4	2.13	1.30e-02	0.0	0.0
8	2.990	0.334	0.097	0.21	1.29e-03	1.06e-03	6.44e-06	1.54e-04	0.0	0.0	0.0
9	3.222	0.310	0.097	0.0	0.0	3567.27	21.7	3.49	2.13e-02	0.0	0.0
10	3.314	0.302	0.097	4.35e-03	2.65e-05	1.42e-05	0.0	0.0	0.0	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
11	3.447	0.290	0.097	0.0	0.0	141.37	0.9	1.64	1.00e-02	0.0	0.0
12	3.568	0.280	0.097	0.0	0.0	189.79	1.2	6.39	3.90e-02	0.0	0.0
Risulta				1.641e+04		1.588e+04		13.77			
In percentuale				100.00		96.79		0.08			

CDC	Tipo	Sigla Id	Note
9	Edk	CDC=Ed (dinamico SLD) alfa=0.0 (ecc. -)	
			categoria suolo: B
			fattore di sito S = 1.200
			ordinata spettro (tratto Tb-Tc) = 0.097 g
			angolo di ingresso:0.0
			eccentricità aggiuntiva: negativa
			periodo proprio T1: 1.437 sec.
			numero di modi considerati: 12
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	rapp. r/Ls	rapp. ex/rx	rapp. ey/ry
m	daN	m	m	m	m	m	m			
4.75	1319.89	16.80	11.75	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.54	211.18	16.80	10.78	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.34	2300.46	16.80	9.80	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.13	749.26	16.80	8.82	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.92	2307.14	16.80	7.84	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.71	212.80	16.80	6.86	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.50	2304.92	16.80	5.88	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.29	211.72	16.80	4.90	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.08	2302.69	16.80	3.92	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.88	647.49	16.80	2.94	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.67	2304.92	16.80	1.96	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.46	212.26	16.80	0.98	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.25	1325.43	16.80	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Risulta	1.641e+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	0.696	1.437	0.028	1.576e+04	96.0	3.81e-03	2.32e-05	0.0	0.0	0.0	0.0
2	0.739	1.353	0.029	8.85e-03	5.39e-05	1.182e+04	72.0	0.08	4.81e-04	0.0	0.0
3	0.823	1.215	0.033	612.29	3.7	0.01	6.19e-05	0.0	0.0	0.0	0.0
4	1.313	0.761	0.052	0.0	0.0	96.99	0.6	0.02	1.36e-04	0.0	0.0
5	1.625	0.616	0.064	22.14	0.1	1.96e-05	0.0	1.79e-05	0.0	0.0	0.0
6	2.105	0.475	0.084	16.24	9.89e-02	2.27e-04	1.38e-06	1.03e-04	0.0	0.0	0.0
7	2.359	0.424	0.094	1.31e-06	0.0	71.68	0.4	2.13	1.30e-02	0.0	0.0
8	2.990	0.334	0.097	0.21	1.29e-03	1.06e-03	6.44e-06	1.54e-04	0.0	0.0	0.0
9	3.222	0.310	0.097	0.0	0.0	3567.27	21.7	3.49	2.13e-02	0.0	0.0
10	3.314	0.302	0.097	4.35e-03	2.65e-05	1.42e-05	0.0	0.0	0.0	0.0	0.0
11	3.447	0.290	0.097	0.0	0.0	141.37	0.9	1.64	1.00e-02	0.0	0.0
12	3.568	0.280	0.097	0.0	0.0	189.79	1.2	6.39	3.90e-02	0.0	0.0
Risulta				1.641e+04		1.588e+04		13.77			
In				100.00		96.79		0.08			

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
percentuale											

CDC	Tipo	Sigla Id	Note
10	Edk	CDC=Ed (dinamico SLD) alfa=90.00 (ecc. +)	
			categoria suolo: B
			fattore di sito S = 1.200
			ordinata spettro (tratto Tb-Tc) = 0.097 g
			angolo di ingresso:90.00
			eccentricità aggiuntiva: positiva
			periodo proprio T1: 1.378 sec.
			numero di modi considerati: 12
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	rapp. r/Ls	rapp. ex/rx	rapp. ey/ry
m	daN	m	m	m	m	m	m			
4.75	1319.89	16.80	11.75	1.68	0.0	0.0	0.0	0.0	0.0	0.0
4.54	211.18	16.80	10.78	1.68	0.0	0.0	0.0	0.0	0.0	0.0
4.34	2300.46	16.80	9.80	1.68	0.0	0.0	0.0	0.0	0.0	0.0
4.13	749.26	16.80	8.82	1.68	0.0	0.0	0.0	0.0	0.0	0.0
3.92	2307.14	16.80	7.84	1.68	0.0	0.0	0.0	0.0	0.0	0.0
3.71	212.80	16.80	6.86	1.68	0.0	0.0	0.0	0.0	0.0	0.0
3.50	2304.92	16.80	5.88	1.68	0.0	0.0	0.0	0.0	0.0	0.0
3.29	211.72	16.80	4.90	1.68	0.0	0.0	0.0	0.0	0.0	0.0
3.08	2302.69	16.80	3.92	1.68	0.0	0.0	0.0	0.0	0.0	0.0
2.88	647.49	16.80	2.94	1.68	0.0	0.0	0.0	0.0	0.0	0.0
2.67	2304.92	16.80	1.96	1.68	0.0	0.0	0.0	0.0	0.0	0.0
2.46	212.26	16.80	0.98	1.68	0.0	0.0	0.0	0.0	0.0	0.0
2.25	1325.43	16.80	0.0	1.68	0.0	0.0	0.0	0.0	0.0	0.0
Risulta	1.641e+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	0.694	1.440	0.028	1.465e+04	89.3	624.13	3.8	2.60e-03	1.58e-05	0.0	0.0
2	0.726	1.378	0.029	1311.04	8.0	1.024e+04	62.4	0.06	3.62e-04	0.0	0.0
3	0.842	1.188	0.033	407.61	2.5	971.79	5.9	0.02	1.26e-04	0.0	0.0
4	1.319	0.758	0.052	0.12	7.08e-04	95.01	0.6	0.02	1.21e-04	0.0	0.0
5	1.627	0.615	0.065	22.46	0.1	0.23	1.43e-03	3.46e-03	2.11e-05	0.0	0.0
6	2.105	0.475	0.084	16.00	9.75e-02	4.20	2.56e-02	0.05	2.91e-04	0.0	0.0
7	2.365	0.423	0.094	0.03	2.08e-04	63.32	0.4	2.06	1.26e-02	0.0	0.0
8	2.986	0.335	0.097	0.21	1.25e-03	2.04	1.25e-02	0.08	5.16e-04	0.0	0.0
9	3.195	0.313	0.097	2.60e-03	1.59e-05	2959.60	18.0	2.45	1.49e-02	0.0	0.0
10	3.324	0.301	0.097	1.19e-03	7.25e-06	441.56	2.7	0.93	5.68e-03	0.0	0.0
11	3.467	0.288	0.097	1.04e-03	6.34e-06	255.83	1.6	1.97	1.20e-02	0.0	0.0
12	3.620	0.276	0.097	4.10e-03	2.50e-05	209.58	1.3	5.46	3.33e-02	0.0	0.0
Risulta				1.641e+04		1.587e+04		13.11			
In percentuale				100.00		96.71		0.08			

CDC	Tipo	Sigla Id	Note
11	Edk	CDC=Ed (dinamico SLD) alfa=90.00 (ecc. -)	

CDC	Tipo	Sigla Id	Note
			categoria suolo: B
			fattore di sito S = 1.200
			ordinata spettro (tratto Tb-Tc) = 0.097 g
			angolo di ingresso:90.00
			eccentricità aggiuntiva: negativa
			periodo proprio T1: 1.378 sec.
			numero di modi considerati: 12
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	rapp. r/Ls	rapp. ex/rx	rapp. ey/ry
m	daN	m	m	m	m	m	m			
4.75	1319.89	16.80	11.75	-1.68	0.0	0.0	0.0	0.0	0.0	0.0
4.54	211.18	16.80	10.78	-1.68	0.0	0.0	0.0	0.0	0.0	0.0
4.34	2300.46	16.80	9.80	-1.68	0.0	0.0	0.0	0.0	0.0	0.0
4.13	749.26	16.80	8.82	-1.68	0.0	0.0	0.0	0.0	0.0	0.0
3.92	2307.14	16.80	7.84	-1.68	0.0	0.0	0.0	0.0	0.0	0.0
3.71	212.80	16.80	6.86	-1.68	0.0	0.0	0.0	0.0	0.0	0.0
3.50	2304.92	16.80	5.88	-1.68	0.0	0.0	0.0	0.0	0.0	0.0
3.29	211.72	16.80	4.90	-1.68	0.0	0.0	0.0	0.0	0.0	0.0
3.08	2302.69	16.80	3.92	-1.68	0.0	0.0	0.0	0.0	0.0	0.0
2.88	647.49	16.80	2.94	-1.68	0.0	0.0	0.0	0.0	0.0	0.0
2.67	2304.92	16.80	1.96	-1.68	0.0	0.0	0.0	0.0	0.0	0.0
2.46	212.26	16.80	0.98	-1.68	0.0	0.0	0.0	0.0	0.0	0.0
2.25	1325.43	16.80	0.0	-1.68	0.0	0.0	0.0	0.0	0.0	0.0
Risulta	1.641e+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	0.694	1.440	0.028	1.463e+04	89.2	633.93	3.9	2.56e-03	1.56e-05	0.0	0.0
2	0.726	1.378	0.029	1329.65	8.1	1.023e+04	62.3	0.06	3.61e-04	0.0	0.0
3	0.842	1.188	0.033	406.47	2.5	978.17	6.0	0.02	1.27e-04	0.0	0.0
4	1.319	0.758	0.052	0.12	7.05e-04	95.01	0.6	0.02	1.21e-04	0.0	0.0
5	1.627	0.615	0.065	22.46	0.1	0.24	1.48e-03	4.55e-03	2.77e-05	0.0	0.0
6	2.105	0.475	0.084	16.00	9.75e-02	4.08	2.48e-02	0.04	2.40e-04	0.0	0.0
7	2.365	0.423	0.094	0.03	2.13e-04	63.31	0.4	2.07	1.26e-02	0.0	0.0
8	2.986	0.335	0.097	0.21	1.25e-03	1.87	1.14e-02	0.07	4.40e-04	0.0	0.0
9	3.195	0.313	0.097	2.43e-03	1.48e-05	2959.44	18.0	2.49	1.52e-02	0.0	0.0
10	3.324	0.301	0.097	1.21e-03	7.38e-06	441.91	2.7	0.93	5.65e-03	0.0	0.0
11	3.467	0.288	0.097	1.01e-03	6.14e-06	256.35	1.6	2.15	1.31e-02	0.0	0.0
12	3.620	0.276	0.097	4.17e-03	2.54e-05	209.18	1.3	6.08	3.70e-02	0.0	0.0
Risulta				1.641e+04		1.587e+04		13.93			
In percentuale				100.00		96.71		0.08			

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	CDC	Traslazione X	Traslazione Y	Traslazione Z	Rotazione X	Rotazione Y	Rotazione Z
		cm	cm	cm			
1	1	-4.15e-03	0.02	-1.10e-03	-5.22e-05	-1.00e-05	0.0
1	2	-0.01	-0.04	-4.52e-04	1.07e-04	-2.64e-05	0.0
1	3	-0.02	-0.08	-8.84e-04	2.10e-04	-5.16e-05	1.26e-06
1	4	-1.15	-0.52	-1.61e-05	1.34e-03	-2.94e-03	-6.28e-05
1	5	-1.15	-0.52	-1.61e-05	1.34e-03	-2.94e-03	-6.28e-05
1	6	0.14	-0.74	-9.94e-06	1.90e-03	3.62e-04	-3.36e-05
1	7	-0.14	-1.52	-1.30e-05	3.92e-03	-3.66e-04	3.33e-05
1	8	-0.37	-0.16	-5.12e-06	4.25e-04	-9.34e-04	-2.00e-05
1	9	-0.37	-0.16	-5.12e-06	4.25e-04	-9.34e-04	-2.00e-05
1	10	0.05	-0.23	-3.30e-06	6.04e-04	1.15e-04	-1.07e-05
1	11	-0.05	-0.48	-4.30e-06	1.25e-03	-1.16e-04	1.06e-05
1	12	-0.22	8.08e-04	-1.76e-06	-2.02e-06	-5.58e-04	-1.80e-05
1	13	0.03	-3.31	1.03e-03	8.47e-03	6.99e-05	-2.29e-06
2	1	9.08e-04	0.05	-1.45e-03	-1.28e-04	2.18e-06	0.0
2	2	2.49e-03	0.03	-1.26e-03	-7.85e-05	6.00e-06	0.0
2	3	4.88e-03	0.06	-2.47e-03	-1.53e-04	1.17e-05	0.0
2	4	-1.16	-0.36	5.74e-06	9.32e-04	-2.94e-03	-6.28e-05
2	5	-1.16	-0.36	5.74e-06	9.32e-04	-2.94e-03	-6.28e-05
2	6	0.14	-0.89	6.62e-06	2.30e-03	3.62e-04	-3.37e-05
2	7	-0.14	-1.53	1.01e-05	3.95e-03	-3.65e-04	3.36e-05
2	8	-0.37	-0.11	1.82e-06	2.96e-04	-9.34e-04	-2.00e-05
2	9	-0.37	-0.11	1.82e-06	2.96e-04	-9.34e-04	-2.00e-05
2	10	0.05	-0.29	2.35e-06	7.35e-04	1.15e-04	-1.07e-05
2	11	-0.05	-0.49	3.31e-06	1.26e-03	-1.16e-04	1.07e-05
2	12	-0.15	-2.84e-04	1.36e-06	0.0	-3.72e-04	-1.20e-05
2	13	-4.87e-03	-4.06	3.02e-03	0.01	-1.17e-05	0.0
3	1	-1.96e-04	0.04	-1.39e-03	-1.04e-04	0.0	0.0
3	2	-5.35e-04	4.85e-03	-1.10e-03	-1.53e-05	-1.29e-06	0.0
3	3	-1.05e-03	9.49e-03	-2.15e-03	-2.99e-05	-2.52e-06	0.0
3	4	-1.15	-0.19	-3.12e-06	4.90e-04	-2.94e-03	-6.29e-05
3	5	-1.15	-0.19	-3.12e-06	4.90e-04	-2.94e-03	-6.29e-05
3	6	0.14	-1.08	4.99e-06	2.78e-03	3.62e-04	-3.38e-05
3	7	-0.14	-1.44	8.18e-06	3.69e-03	-3.64e-04	3.38e-05
3	8	-0.37	-0.06	0.0	1.56e-04	-9.34e-04	-2.00e-05
3	9	-0.37	-0.06	0.0	1.56e-04	-9.34e-04	-2.00e-05
3	10	0.05	-0.35	1.76e-06	8.92e-04	1.15e-04	-1.07e-05
3	11	-0.05	-0.46	2.83e-06	1.18e-03	-1.16e-04	1.08e-05
3	12	-0.07	-3.08e-04	0.0	0.0	-1.86e-04	-6.00e-06
3	13	1.78e-03	-4.24	2.61e-03	0.01	4.29e-06	0.0
4	1	-5.10e-06	0.04	-1.40e-03	-1.09e-04	0.0	0.0
4	2	-9.42e-06	0.01	-1.14e-03	-2.77e-05	0.0	0.0
4	3	-1.84e-05	0.02	-2.23e-03	-5.43e-05	0.0	0.0
4	4	-1.15	7.32e-04	0.0	-1.90e-06	-2.94e-03	-6.29e-05
4	5	-1.15	7.32e-04	0.0	-1.90e-06	-2.94e-03	-6.29e-05
4	6	0.14	-1.26	7.47e-06	3.25e-03	3.62e-04	-3.38e-05
4	7	-0.14	-1.26	7.34e-06	3.25e-03	-3.64e-04	3.39e-05
4	8	-0.37	2.33e-04	0.0	0.0	-9.34e-04	-2.00e-05
4	9	-0.37	2.33e-04	0.0	0.0	-9.34e-04	-2.00e-05
4	10	0.05	-0.40	2.56e-06	1.04e-03	1.15e-04	-1.07e-05
4	11	-0.05	-0.40	2.51e-06	1.04e-03	-1.16e-04	1.08e-05
4	12	0.0	-4.33e-04	0.0	1.10e-06	0.0	0.0
4	13	-3.18e-05	-4.33	2.71e-03	0.01	0.0	0.0
5	1	1.85e-04	0.04	-1.39e-03	-1.04e-04	0.0	0.0
5	2	5.16e-04	4.83e-03	-1.10e-03	-1.52e-05	1.24e-06	0.0
5	3	1.01e-03	9.45e-03	-2.15e-03	-2.98e-05	2.42e-06	0.0
5	4	-1.15	0.19	3.12e-06	-4.90e-04	-2.94e-03	-6.29e-05
5	5	-1.15	0.19	3.12e-06	-4.90e-04	-2.94e-03	-6.29e-05
5	6	0.14	-1.44	8.07e-06	3.70e-03	3.63e-04	-3.37e-05
5	7	-0.14	-1.08	5.15e-06	2.78e-03	-3.64e-04	3.39e-05

5	8	-0.37	0.06	0.0	-1.56e-04	-9.34e-04	-2.00e-05
5	9	-0.37	0.06	0.0	-1.56e-04	-9.34e-04	-2.00e-05
5	10	0.05	-0.46	2.78e-06	1.18e-03	1.15e-04	-1.07e-05
5	11	-0.05	-0.35	1.82e-06	8.91e-04	-1.16e-04	1.08e-05
5	12	0.07	-3.08e-04	0.0	0.0	1.86e-04	6.00e-06
5	13	-1.84e-03	-4.24	2.61e-03	0.01	-4.46e-06	0.0
6	1	-9.19e-04	0.05	-1.45e-03	-1.28e-04	-2.21e-06	0.0
6	2	-2.51e-03	0.03	-1.26e-03	-7.83e-05	-6.05e-06	0.0
6	3	-4.91e-03	0.06	-2.47e-03	-1.53e-04	-1.18e-05	0.0
6	4	-1.16	0.36	-5.74e-06	-9.31e-04	-2.94e-03	-6.28e-05
6	5	-1.16	0.36	-5.74e-06	-9.31e-04	-2.94e-03	-6.28e-05
6	6	0.14	-1.53	1.01e-05	3.95e-03	3.63e-04	-3.35e-05
6	7	-0.14	-0.89	6.66e-06	2.29e-03	-3.64e-04	3.38e-05
6	8	-0.37	0.11	-1.83e-06	-2.96e-04	-9.34e-04	-2.00e-05
6	9	-0.37	0.11	-1.83e-06	-2.96e-04	-9.34e-04	-2.00e-05
6	10	0.05	-0.49	3.30e-06	1.26e-03	1.15e-04	-1.06e-05
6	11	-0.05	-0.29	2.36e-06	7.34e-04	-1.16e-04	1.08e-05
6	12	0.15	-2.84e-04	1.36e-06	0.0	3.72e-04	1.20e-05
6	13	4.80e-03	-4.06	3.02e-03	0.01	1.15e-05	0.0
7	1	4.14e-03	0.02	-1.10e-03	-5.21e-05	9.98e-06	0.0
7	2	0.01	-0.04	-4.50e-04	1.08e-04	2.63e-05	0.0
7	3	0.02	-0.08	-8.80e-04	2.11e-04	5.15e-05	-1.14e-06
7	4	-1.15	0.52	1.61e-05	-1.33e-03	-2.94e-03	-6.28e-05
7	5	-1.15	0.52	1.61e-05	-1.33e-03	-2.94e-03	-6.28e-05
7	6	0.14	-1.52	-1.30e-05	3.92e-03	3.64e-04	-3.31e-05
7	7	-0.14	-0.73	-9.84e-06	1.90e-03	-3.64e-04	3.38e-05
7	8	-0.37	0.16	5.12e-06	-4.24e-04	-9.34e-04	-2.00e-05
7	9	-0.37	0.16	5.12e-06	-4.24e-04	-9.34e-04	-2.00e-05
7	10	0.05	-0.48	-4.28e-06	1.25e-03	1.16e-04	-1.05e-05
7	11	-0.05	-0.23	-3.26e-06	6.04e-04	-1.16e-04	1.07e-05
7	12	0.22	8.08e-04	-1.76e-06	-2.02e-06	5.58e-04	1.80e-05
7	13	-0.03	-3.31	1.03e-03	8.46e-03	-7.01e-05	2.49e-06
8	1	2.63e-04	0.09	-0.17	8.98e-04	1.17e-03	2.43e-04
8	2	3.13e-04	-0.03	-0.28	9.87e-04	1.68e-03	3.37e-04
8	3	6.13e-04	-0.07	-0.55	1.93e-03	3.28e-03	6.59e-04
8	4	-3.80	-0.95	-1.22	2.19e-03	-6.08e-04	7.35e-04
8	5	-3.80	-0.95	-1.22	2.19e-03	-6.08e-04	7.35e-04
8	6	-0.82	-1.35	-1.76	3.20e-03	1.60e-03	-7.50e-04
8	7	0.82	-2.79	-3.59	6.46e-03	1.45e-03	9.09e-04
8	8	-1.21	-0.30	-0.39	6.96e-04	-1.93e-04	2.34e-04
8	9	-1.21	-0.30	-0.39	6.96e-04	-1.93e-04	2.34e-04
8	10	-0.26	-0.43	-0.56	1.02e-03	5.56e-04	-2.43e-04
8	11	0.26	-0.89	-1.14	2.06e-03	5.29e-04	2.95e-04
8	12	-0.81	-0.28	0.11	-1.74e-06	0.0	0.0
8	13	-5.93e-03	-6.06	-6.85	0.01	-2.48e-03	-6.38e-04
9	1	2.65e-04	0.09	-0.21	7.53e-04	1.17e-03	1.37e-04
9	2	3.19e-04	-0.03	-0.33	-2.01e-05	1.70e-03	5.66e-05
9	3	6.24e-04	-0.05	-0.65	-3.93e-05	3.33e-03	1.11e-04
9	4	-3.80	-0.92	-1.20	2.18e-03	-6.16e-04	7.41e-04
9	5	-3.80	-0.92	-1.20	2.18e-03	-6.16e-04	7.41e-04
9	6	-0.82	-1.35	-1.79	3.25e-03	1.61e-03	-7.82e-04
9	7	0.82	-2.77	-3.60	6.50e-03	1.44e-03	-6.64e-04
9	8	-1.21	-0.29	-0.38	6.93e-04	-1.96e-04	2.36e-04
9	9	-1.21	-0.29	-0.38	6.93e-04	-1.96e-04	2.36e-04
9	10	-0.26	-0.43	-0.57	1.04e-03	5.56e-04	-2.59e-04
9	11	0.26	-0.88	-1.15	2.07e-03	5.21e-04	-2.32e-04
9	12	-0.79	-0.28	0.11	5.21e-06	1.02e-06	-3.78e-06
9	13	-5.91e-03	-6.10	-6.78	0.01	-2.21e-03	-1.50e-03
10	1	2.82e-04	0.08	-0.37	8.15e-04	6.16e-04	3.16e-05
10	2	3.73e-04	-0.09	-0.58	-1.74e-03	8.89e-04	-9.09e-05
10	3	7.30e-04	-0.18	-1.13	-3.41e-03	1.74e-03	-1.78e-04
10	4	-3.80	-0.86	-1.12	2.06e-03	-5.85e-04	4.24e-04
10	5	-3.80	-0.86	-1.12	2.06e-03	-5.85e-04	4.24e-04
10	6	-0.82	-1.47	-1.94	3.56e-03	1.49e-03	-9.98e-04
10	7	0.82	-2.87	-3.71	6.68e-03	1.18e-03	-8.20e-04
10	8	-1.21	-0.27	-0.36	6.55e-04	-1.86e-04	1.35e-04
10	9	-1.21	-0.27	-0.36	6.55e-04	-1.86e-04	1.35e-04
10	10	-0.26	-0.47	-0.62	1.14e-03	5.05e-04	-3.30e-04
10	11	0.26	-0.91	-1.18	2.14e-03	4.17e-04	-2.90e-04
10	12	-0.71	-0.28	0.11	1.76e-05	2.08e-06	-4.21e-06
10	13	-5.75e-03	-6.61	-6.60	0.02	8.67e-05	-2.65e-03
11	1	3.05e-04	0.11	-0.40	1.16e-03	-1.80e-04	2.61e-04
11	2	4.45e-04	-0.03	-0.61	-1.03e-03	-4.39e-04	6.83e-04
11	3	8.71e-04	-0.06	-1.18	-2.02e-03	-8.58e-04	1.34e-03
11	4	-3.80	-0.80	-1.03	1.86e-03	-6.67e-04	5.56e-04
11	5	-3.80	-0.80	-1.03	1.86e-03	-6.67e-04	5.56e-04

11	6	-0.82	-1.58	-2.09	3.88e-03	1.29e-03	-8.23e-04
11	7	0.82	-2.92	-3.76	6.84e-03	8.80e-04	6.53e-04
11	8	-1.21	-0.25	-0.33	5.92e-04	-2.12e-04	1.77e-04
11	9	-1.21	-0.25	-0.33	5.92e-04	-2.12e-04	1.77e-04
11	10	-0.26	-0.50	-0.67	1.25e-03	4.25e-04	-2.66e-04
11	11	0.26	-0.93	-1.20	2.20e-03	2.99e-04	2.14e-04
11	12	-0.63	-0.28	0.11	7.98e-06	3.03e-06	-4.22e-06
11	13	-5.39e-03	-7.13	-6.88	0.02	2.74e-03	-2.10e-03
12	1	3.08e-04	0.18	-0.35	1.58e-03	-2.50e-04	1.20e-04
12	2	4.63e-04	0.15	-0.49	1.29e-03	-4.85e-04	3.61e-04
12	3	9.06e-04	0.29	-0.95	2.52e-03	-9.49e-04	7.05e-04
12	4	-3.80	-0.70	-0.92	1.66e-03	-7.61e-04	8.29e-04
12	5	-3.80	-0.70	-0.92	1.66e-03	-7.61e-04	8.29e-04
12	6	-0.82	-1.63	-2.21	4.19e-03	1.20e-03	-6.66e-04
12	7	0.82	-2.84	-3.76	6.94e-03	8.69e-04	7.71e-04
12	8	-1.21	-0.22	-0.29	5.28e-04	-2.42e-04	2.64e-04
12	9	-1.21	-0.22	-0.29	5.28e-04	-2.42e-04	2.64e-04
12	10	-0.26	-0.52	-0.71	1.36e-03	3.90e-04	-2.12e-04
12	11	0.26	-0.90	-1.20	2.23e-03	2.90e-04	2.47e-04
12	12	-0.55	-0.28	0.11	0.0	2.74e-06	-2.17e-06
12	13	-4.84e-03	-7.49	-7.40	0.01	2.45e-03	-3.56e-04
13	1	3.06e-04	0.18	-0.34	1.73e-03	-9.31e-05	-1.76e-05
13	2	4.60e-04	0.15	-0.47	2.12e-03	-2.05e-04	-3.93e-05
13	3	8.99e-04	0.30	-0.93	4.14e-03	-4.02e-04	-7.69e-05
13	4	-3.80	-0.67	-0.90	1.63e-03	-7.42e-04	7.29e-04
13	5	-3.80	-0.67	-0.90	1.63e-03	-7.42e-04	7.29e-04
13	6	-0.82	-1.64	-2.24	4.24e-03	1.21e-03	-6.91e-04
13	7	0.82	-2.82	-3.75	6.94e-03	8.84e-04	7.71e-04
13	8	-1.21	-0.21	-0.28	5.17e-04	-2.36e-04	2.32e-04
13	9	-1.21	-0.21	-0.28	5.17e-04	-2.36e-04	2.32e-04
13	10	-0.26	-0.52	-0.72	1.38e-03	3.91e-04	-2.21e-04
13	11	0.26	-0.90	-1.20	2.23e-03	2.96e-04	2.46e-04
13	12	-0.54	-0.28	0.11	0.0	2.34e-06	0.0
13	13	-4.72e-03	-7.49	-7.47	9.94e-03	1.78e-03	2.77e-04
14	1	3.03e-04	0.18	-0.34	1.64e-03	6.03e-05	-1.29e-04
14	2	4.55e-04	0.14	-0.47	1.49e-03	6.50e-05	-3.73e-04
14	3	8.90e-04	0.28	-0.92	2.92e-03	1.27e-04	-7.29e-04
14	4	-3.80	-0.65	-0.87	1.59e-03	-7.51e-04	7.55e-04
14	5	-3.80	-0.65	-0.87	1.59e-03	-7.51e-04	7.55e-04
14	6	-0.82	-1.65	-2.26	4.30e-03	1.24e-03	-8.37e-04
14	7	0.82	-2.80	-3.75	6.95e-03	8.98e-04	-6.87e-04
14	8	-1.21	-0.21	-0.28	5.07e-04	-2.39e-04	2.40e-04
14	9	-1.21	-0.21	-0.28	5.07e-04	-2.39e-04	2.40e-04
14	10	-0.26	-0.53	-0.73	1.40e-03	4.02e-04	-2.75e-04
14	11	0.26	-0.89	-1.20	2.24e-03	3.00e-04	-2.32e-04
14	12	-0.52	-0.28	0.11	0.0	2.35e-06	-1.24e-06
14	13	-4.58e-03	-7.49	-7.52	0.01	1.33e-03	-1.55e-04
15	1	3.01e-04	0.12	-0.37	1.54e-03	1.59e-04	-1.91e-04
15	2	4.60e-04	-0.01	-0.54	1.06e-04	2.90e-04	-5.34e-04
15	3	9.01e-04	-0.02	-1.05	2.08e-04	5.67e-04	-1.05e-03
15	4	-3.80	-0.57	-0.76	1.39e-03	-7.34e-04	5.03e-04
15	5	-3.80	-0.57	-0.76	1.39e-03	-7.34e-04	5.03e-04
15	6	-0.82	-1.80	-2.40	4.56e-03	1.29e-03	-1.13e-03
15	7	0.82	-2.84	-3.73	6.92e-03	9.74e-04	-8.20e-04
15	8	-1.21	-0.18	-0.24	4.41e-04	-2.33e-04	1.60e-04
15	9	-1.21	-0.18	-0.24	4.41e-04	-2.33e-04	1.60e-04
15	10	-0.26	-0.58	-0.77	1.48e-03	4.11e-04	-3.74e-04
15	11	0.26	-0.91	-1.19	2.24e-03	3.19e-04	-2.81e-04
15	12	-0.44	-0.28	0.11	0.0	1.73e-06	0.0
15	13	-3.83e-03	-7.62	-7.66	0.02	7.28e-04	-6.79e-04
16	1	3.14e-04	0.12	-0.37	1.46e-03	-2.29e-04	1.26e-04
16	2	5.07e-04	-0.03	-0.53	-6.24e-05	-3.85e-04	3.79e-04
16	3	9.93e-04	-0.06	-1.04	-1.22e-04	-7.53e-04	7.42e-04
16	4	-3.80	-0.48	-0.64	1.15e-03	-7.94e-04	5.88e-04
16	5	-3.80	-0.48	-0.64	1.15e-03	-7.94e-04	5.88e-04
16	6	-0.82	-1.92	-2.53	4.78e-03	1.25e-03	-9.07e-04
16	7	0.82	-2.79	-3.67	6.82e-03	-1.13e-03	9.66e-04
16	8	-1.21	-0.15	-0.20	3.66e-04	-2.52e-04	1.87e-04
16	9	-1.21	-0.15	-0.20	3.66e-04	-2.52e-04	1.87e-04
16	10	-0.26	-0.61	-0.81	1.55e-03	3.99e-04	-2.95e-04
16	11	0.26	-0.89	-1.17	2.20e-03	-3.67e-04	3.17e-04
16	12	-0.36	-0.28	0.11	-1.39e-06	1.15e-06	-1.02e-06
16	13	-3.03e-03	-7.76	-7.86	0.02	1.66e-03	-4.99e-04
17	1	3.16e-04	0.16	-0.32	1.51e-03	-1.55e-04	9.67e-05
17	2	5.23e-04	0.10	-0.45	1.24e-03	-2.37e-04	3.02e-04
17	3	1.02e-03	0.20	-0.87	2.42e-03	-4.63e-04	5.91e-04

17	4	-3.80	-0.38	-0.51	9.20e-04	-8.55e-04	8.10e-04
17	5	-3.80	-0.38	-0.51	9.20e-04	-8.55e-04	8.10e-04
17	6	-0.82	-1.97	-2.64	4.99e-03	1.26e-03	-7.05e-04
17	7	0.82	-2.65	-3.56	6.65e-03	-1.17e-03	8.61e-04
17	8	-1.21	-0.12	-0.16	2.93e-04	-2.72e-04	2.58e-04
17	9	-1.21	-0.12	-0.16	2.93e-04	-2.72e-04	2.58e-04
17	10	-0.26	-0.63	-0.85	1.62e-03	4.06e-04	-2.30e-04
17	11	0.26	-0.85	-1.14	2.15e-03	-3.79e-04	2.81e-04
17	12	-0.28	-0.28	0.11	0.0	0.0	0.0
17	13	-2.16e-03	-7.85	-8.13	0.01	1.01e-03	9.28e-06
18	1	3.14e-04	0.16	-0.32	1.62e-03	-4.70e-06	0.0
18	2	5.20e-04	0.11	-0.44	1.93e-03	1.62e-05	3.06e-06
18	3	1.02e-03	0.21	-0.86	3.77e-03	3.16e-05	5.98e-06
18	4	-3.80	-0.35	-0.48	8.78e-04	-8.36e-04	7.16e-04
18	5	-3.80	-0.35	-0.48	8.78e-04	-8.36e-04	7.16e-04
18	6	-0.82	-1.98	-2.67	5.02e-03	1.28e-03	-6.69e-04
18	7	0.82	-2.63	-3.54	6.61e-03	-1.13e-03	6.83e-04
18	8	-1.21	-0.11	-0.15	2.79e-04	-2.66e-04	2.28e-04
18	9	-1.21	-0.11	-0.15	2.79e-04	-2.66e-04	2.28e-04
18	10	-0.26	-0.63	-0.85	1.63e-03	4.14e-04	-2.13e-04
18	11	0.26	-0.84	-1.13	2.13e-03	-3.67e-04	2.18e-04
18	12	-0.27	-0.28	0.11	1.21e-06	0.0	0.0
18	13	-1.99e-03	-7.84	-8.16	0.01	4.93e-04	6.65e-05
19	1	3.13e-04	0.16	-0.32	1.49e-03	1.43e-04	-1.04e-04
19	2	5.18e-04	0.10	-0.45	1.18e-03	2.66e-04	-3.11e-04
19	3	1.01e-03	0.20	-0.87	2.31e-03	5.20e-04	-6.07e-04
19	4	-3.80	-0.33	-0.45	8.37e-04	-8.49e-04	7.72e-04
19	5	-3.80	-0.33	-0.45	8.37e-04	-8.49e-04	7.72e-04
19	6	-0.82	-1.99	-2.69	5.08e-03	1.34e-03	-8.37e-04
19	7	0.82	-2.62	-3.52	6.58e-03	-1.13e-03	6.44e-04
19	8	-1.21	-0.11	-0.14	2.66e-04	-2.70e-04	2.45e-04
19	9	-1.21	-0.11	-0.14	2.66e-04	-2.70e-04	2.45e-04
19	10	-0.26	-0.64	-0.86	1.65e-03	4.33e-04	-2.70e-04
19	11	0.26	-0.83	-1.13	2.13e-03	-3.64e-04	2.09e-04
19	12	-0.25	-0.28	0.11	2.30e-06	0.0	0.0
19	13	-1.81e-03	-7.85	-8.17	0.01	6.06e-05	-2.08e-04
20	1	3.15e-04	0.11	-0.37	1.34e-03	2.13e-04	-1.53e-04
20	2	5.37e-04	-0.04	-0.54	-3.75e-04	3.94e-04	-4.41e-04
20	3	1.05e-03	-0.08	-1.05	-7.33e-04	7.72e-04	-8.62e-04
20	4	-3.80	-0.23	-0.32	5.90e-04	-8.36e-04	5.82e-04
20	5	-3.80	-0.23	-0.32	5.90e-04	-8.36e-04	5.82e-04
20	6	-0.82	-2.15	-2.84	5.32e-03	1.43e-03	-1.11e-03
20	7	0.82	-2.60	-3.43	6.38e-03	-1.17e-03	-7.91e-04
20	8	-1.21	-0.07	-0.10	1.88e-04	-2.66e-04	1.85e-04
20	9	-1.21	-0.07	-0.10	1.88e-04	-2.66e-04	1.85e-04
20	10	-0.26	-0.69	-0.91	1.72e-03	4.68e-04	-3.56e-04
20	11	0.26	-0.83	-1.10	2.06e-03	-3.76e-04	-2.56e-04
20	12	-0.17	-0.28	0.11	4.46e-06	0.0	0.0
20	13	-8.86e-04	-7.92	-8.10	0.02	-3.36e-04	-3.67e-04
21	1	3.32e-04	0.11	-0.37	1.35e-03	-2.02e-04	1.57e-04
21	2	5.92e-04	-0.04	-0.54	-3.36e-04	-3.58e-04	4.56e-04
21	3	1.16e-03	-0.07	-1.05	-6.58e-04	-7.01e-04	8.92e-04
21	4	-3.80	-0.13	-0.18	3.13e-04	-8.68e-04	6.17e-04
21	5	-3.80	-0.13	-0.18	3.13e-04	-8.68e-04	6.17e-04
21	6	-0.82	-2.27	-2.99	5.56e-03	1.33e-03	-9.72e-04
21	7	0.82	-2.50	-3.31	6.16e-03	-1.29e-03	1.12e-03
21	8	-1.21	-0.04	-0.06	9.94e-05	-2.76e-04	1.96e-04
21	9	-1.21	-0.04	-0.06	9.94e-05	-2.76e-04	1.96e-04
21	10	-0.26	-0.72	-0.96	1.80e-03	4.36e-04	-3.25e-04
21	11	0.26	-0.80	-1.06	1.99e-03	-4.17e-04	3.66e-04
21	12	-0.10	-0.28	0.11	3.02e-06	0.0	0.0
21	13	5.82e-05	-7.97	-8.15	0.02	8.47e-04	-1.32e-04
22	1	3.34e-04	0.16	-0.32	1.50e-03	-1.48e-04	1.07e-04
22	2	6.10e-04	0.11	-0.45	1.22e-03	-2.51e-04	3.24e-04
22	3	1.19e-03	0.21	-0.89	2.39e-03	-4.92e-04	6.35e-04
22	4	-3.80	-0.03	-0.03	-4.88e-05	-9.01e-04	7.94e-04
22	5	-3.80	-0.03	-0.03	-4.88e-05	-9.01e-04	7.94e-04
22	6	-0.82	-2.31	-3.11	5.82e-03	1.27e-03	-7.02e-04
22	7	0.82	-2.34	-3.16	5.91e-03	-1.32e-03	8.87e-04
22	8	-1.21	-8.49e-03	-9.43e-03	-1.55e-05	-2.86e-04	2.53e-04
22	9	-1.21	-8.49e-03	-9.43e-03	-1.55e-05	-2.86e-04	2.53e-04
22	10	-0.26	-0.74	-1.00	1.88e-03	4.15e-04	-2.30e-04
22	11	0.26	-0.74	-1.01	1.91e-03	-4.30e-04	2.90e-04
22	12	-0.02	-0.28	0.11	1.33e-06	0.0	0.0
22	13	1.03e-03	-7.99	-8.30	0.01	4.57e-04	9.77e-05
23	1	3.33e-04	0.16	-0.32	1.62e-03	0.0	0.0

23	2	6.08e-04	0.11	-0.45	1.95e-03	0.0	1.25e-06
23	3	1.19e-03	0.22	-0.88	3.81e-03	0.0	2.45e-06
23	4	-3.80	1.37e-03	1.83e-03	-3.32e-06	-8.82e-04	7.16e-04
23	5	-3.80	1.37e-03	1.83e-03	-3.32e-06	-8.82e-04	7.16e-04
23	6	-0.82	-2.32	-3.13	5.86e-03	1.28e-03	-6.61e-04
23	7	0.82	-2.32	-3.13	5.85e-03	-1.28e-03	6.64e-04
23	8	-1.21	4.34e-04	5.80e-04	-1.06e-06	-2.80e-04	2.28e-04
23	9	-1.21	4.34e-04	5.80e-04	-1.06e-06	-2.80e-04	2.28e-04
23	10	-0.26	-0.74	-1.00	1.89e-03	4.19e-04	-2.11e-04
23	11	0.26	-0.74	-1.00	1.89e-03	-4.20e-04	2.12e-04
23	12	0.0	-0.28	0.11	1.29e-06	0.0	0.0
23	13	1.22e-03	-7.99	-8.31	0.01	-2.28e-06	1.72e-06
24	1	3.31e-04	0.16	-0.32	1.50e-03	1.45e-04	-1.04e-04
24	2	6.06e-04	0.11	-0.45	1.23e-03	2.46e-04	-3.17e-04
24	3	1.19e-03	0.21	-0.89	2.40e-03	4.81e-04	-6.20e-04
24	4	-3.80	0.03	0.03	4.77e-05	-9.00e-04	7.93e-04
24	5	-3.80	0.03	0.03	4.77e-05	-9.00e-04	7.93e-04
24	6	-0.82	-2.34	-3.16	5.92e-03	1.31e-03	-8.80e-04
24	7	0.82	-2.31	-3.11	5.81e-03	-1.27e-03	7.02e-04
24	8	-1.21	8.21e-03	9.19e-03	1.52e-05	-2.86e-04	2.52e-04
24	9	-1.21	8.21e-03	9.19e-03	1.52e-05	-2.86e-04	2.52e-04
24	10	-0.26	-0.74	-1.01	1.91e-03	4.29e-04	-2.87e-04
24	11	0.26	-0.74	-0.99	1.88e-03	-4.17e-04	2.30e-04
24	12	0.02	-0.28	0.11	1.33e-06	0.0	0.0
24	13	1.41e-03	-7.99	-8.30	0.01	-4.50e-04	-9.28e-05
25	1	3.34e-04	0.11	-0.37	1.35e-03	2.04e-04	-1.58e-04
25	2	6.24e-04	-0.04	-0.54	-3.33e-04	3.61e-04	-4.58e-04
25	3	1.22e-03	-0.07	-1.05	-6.51e-04	7.07e-04	-8.96e-04
25	4	-3.80	0.13	0.18	-3.11e-04	-8.68e-04	6.18e-04
25	5	-3.80	0.13	0.18	-3.11e-04	-8.68e-04	6.18e-04
25	6	-0.82	-2.50	-3.31	6.16e-03	1.29e-03	-1.11e-03
25	7	0.82	-2.26	-2.98	5.56e-03	-1.33e-03	9.74e-04
25	8	-1.21	0.04	0.06	-9.90e-05	-2.76e-04	1.96e-04
25	9	-1.21	0.04	0.06	-9.90e-05	-2.76e-04	1.96e-04
25	10	-0.26	-0.80	-1.06	1.99e-03	4.16e-04	-3.66e-04
25	11	0.26	-0.72	-0.95	1.80e-03	-4.36e-04	3.26e-04
25	12	0.09	-0.28	0.11	3.01e-06	0.0	0.0
25	13	2.37e-03	-7.97	-8.15	0.02	-8.56e-04	1.34e-04
26	1	3.50e-04	0.11	-0.37	1.34e-03	-2.11e-04	1.53e-04
26	2	6.79e-04	-0.04	-0.54	-3.78e-04	-3.91e-04	4.39e-04
26	3	1.33e-03	-0.08	-1.05	-7.39e-04	-7.66e-04	8.58e-04
26	4	-3.80	0.23	0.32	-5.89e-04	-8.36e-04	5.82e-04
26	5	-3.80	0.23	0.32	-5.89e-04	-8.36e-04	5.82e-04
26	6	-0.82	-2.60	-3.43	6.38e-03	1.16e-03	7.89e-04
26	7	0.82	-2.15	-2.84	5.31e-03	-1.43e-03	1.11e-03
26	8	-1.21	0.07	0.10	-1.87e-04	-2.66e-04	1.85e-04
26	9	-1.21	0.07	0.10	-1.87e-04	-2.66e-04	1.85e-04
26	10	-0.26	-0.83	-1.10	2.06e-03	3.75e-04	2.55e-04
26	11	0.26	-0.69	-0.91	1.72e-03	-4.68e-04	3.56e-04
26	12	0.17	-0.28	0.11	4.46e-06	0.0	0.0
26	13	3.32e-03	-7.92	-8.10	0.02	3.27e-04	3.69e-04
27	1	3.53e-04	0.16	-0.32	1.49e-03	-1.47e-04	1.07e-04
27	2	6.98e-04	0.10	-0.45	1.18e-03	-2.72e-04	3.18e-04
27	3	1.36e-03	0.20	-0.87	2.31e-03	-5.31e-04	6.22e-04
27	4	-3.80	0.33	0.45	-8.36e-04	-8.49e-04	7.73e-04
27	5	-3.80	0.33	0.45	-8.36e-04	-8.49e-04	7.73e-04
27	6	-0.82	-2.62	-3.52	6.58e-03	1.12e-03	-6.42e-04
27	7	0.82	-1.99	-2.69	5.08e-03	-1.34e-03	8.43e-04
27	8	-1.21	0.11	0.14	-2.66e-04	-2.70e-04	2.46e-04
27	9	-1.21	0.11	0.14	-2.66e-04	-2.70e-04	2.46e-04
27	10	-0.26	-0.84	-1.13	2.13e-03	3.63e-04	-2.08e-04
27	11	0.26	-0.64	-0.86	1.64e-03	-4.34e-04	2.72e-04
27	12	0.25	-0.28	0.11	2.33e-06	0.0	0.0
27	13	4.24e-03	-7.84	-8.16	0.01	-5.45e-05	2.16e-04
28	1	3.52e-04	0.16	-0.32	1.62e-03	4.33e-06	2.26e-06
28	2	6.96e-04	0.11	-0.44	1.93e-03	-1.62e-05	0.0
28	3	1.36e-03	0.21	-0.86	3.77e-03	-3.18e-05	-1.02e-06
28	4	-3.80	0.35	0.48	-8.78e-04	-8.36e-04	7.16e-04
28	5	-3.80	0.35	0.48	-8.78e-04	-8.36e-04	7.16e-04
28	6	-0.82	-2.63	-3.54	6.61e-03	1.13e-03	-6.80e-04
28	7	0.82	-1.98	-2.66	5.02e-03	-1.28e-03	6.72e-04
28	8	-1.21	0.11	0.15	-2.79e-04	-2.66e-04	2.28e-04
28	9	-1.21	0.11	0.15	-2.79e-04	-2.66e-04	2.28e-04
28	10	-0.26	-0.84	-1.13	2.14e-03	3.66e-04	-2.17e-04
28	11	0.26	-0.63	-0.85	1.63e-03	-4.14e-04	2.14e-04
28	12	0.27	-0.28	0.11	1.21e-06	0.0	0.0

28	13	4.42e-03	-7.84	-8.16	0.01	-4.99e-04	-6.33e-05
29	1	3.50e-04	0.16	-0.32	1.52e-03	1.51e-04	-9.39e-05
29	2	6.93e-04	0.10	-0.45	1.24e-03	2.31e-04	-2.95e-04
29	3	1.36e-03	0.20	-0.87	2.42e-03	4.51e-04	-5.78e-04
29	4	-3.80	0.38	0.51	-9.19e-04	-8.54e-04	8.08e-04
29	5	-3.80	0.38	0.51	-9.19e-04	-8.54e-04	8.08e-04
29	6	-0.82	-2.65	-3.56	6.66e-03	1.16e-03	-8.54e-04
29	7	0.82	-1.97	-2.64	4.99e-03	-1.26e-03	7.06e-04
29	8	-1.21	0.12	0.16	-2.92e-04	-2.72e-04	2.57e-04
29	9	-1.21	0.12	0.16	-2.92e-04	-2.72e-04	2.57e-04
29	10	-0.26	-0.85	-1.14	2.15e-03	3.77e-04	-2.79e-04
29	11	0.26	-0.63	-0.85	1.62e-03	-4.07e-04	2.30e-04
29	12	0.28	-0.28	0.11	0.0	0.0	0.0
29	13	4.59e-03	-7.84	-8.13	0.01	-1.01e-03	-6.89e-06
30	1	3.51e-04	0.12	-0.37	1.46e-03	2.31e-04	-1.26e-04
30	2	7.08e-04	-0.03	-0.53	-6.04e-05	3.88e-04	-3.81e-04
30	3	1.39e-03	-0.06	-1.04	-1.18e-04	7.59e-04	-7.46e-04
30	4	-3.80	0.48	0.64	-1.15e-03	-7.94e-04	5.89e-04
30	5	-3.80	0.48	0.64	-1.15e-03	-7.94e-04	5.89e-04
30	6	-0.82	-2.79	-3.67	6.82e-03	1.13e-03	-9.64e-04
30	7	0.82	-1.92	-2.53	4.78e-03	-1.25e-03	9.08e-04
30	8	-1.21	0.15	0.20	-3.65e-04	-2.52e-04	1.87e-04
30	9	-1.21	0.15	0.20	-3.65e-04	-2.52e-04	1.87e-04
30	10	-0.26	-0.89	-1.17	2.20e-03	3.66e-04	-3.17e-04
30	11	0.26	-0.61	-0.81	1.55e-03	-3.99e-04	2.96e-04
30	12	0.36	-0.28	0.11	-1.39e-06	-1.15e-06	1.02e-06
30	13	5.46e-03	-7.75	-7.86	0.02	-1.67e-03	5.02e-04
31	1	3.64e-04	0.12	-0.38	1.53e-03	-1.57e-04	1.90e-04
31	2	7.55e-04	-0.01	-0.54	1.03e-04	-2.88e-04	5.32e-04
31	3	1.48e-03	-0.03	-1.05	2.02e-04	-5.63e-04	1.04e-03
31	4	-3.80	0.57	0.76	-1.38e-03	-7.33e-04	5.02e-04
31	5	-3.80	0.57	0.76	-1.38e-03	-7.33e-04	5.02e-04
31	6	-0.82	-2.84	-3.73	6.92e-03	-9.70e-04	8.18e-04
31	7	0.82	-1.80	-2.40	4.56e-03	-1.29e-03	1.13e-03
31	8	-1.21	0.18	0.24	-4.40e-04	-2.33e-04	1.60e-04
31	9	-1.21	0.18	0.24	-4.40e-04	-2.33e-04	1.60e-04
31	10	-0.26	-0.91	-1.19	2.24e-03	-3.18e-04	2.80e-04
31	11	0.26	-0.57	-0.77	1.48e-03	-4.11e-04	3.74e-04
31	12	0.44	-0.28	0.11	0.0	-1.73e-06	0.0
31	13	6.27e-03	-7.62	-7.65	0.02	-7.38e-04	6.84e-04
32	1	3.62e-04	0.18	-0.34	1.64e-03	-6.43e-05	1.32e-04
32	2	7.61e-04	0.14	-0.47	1.49e-03	-7.19e-05	3.80e-04
32	3	1.49e-03	0.28	-0.92	2.92e-03	-1.41e-04	7.44e-04
32	4	-3.80	0.65	0.87	-1.59e-03	-7.51e-04	7.56e-04
32	5	-3.80	0.65	0.87	-1.59e-03	-7.51e-04	7.56e-04
32	6	-0.82	-2.80	-3.75	6.95e-03	-8.95e-04	6.86e-04
32	7	0.82	-1.65	-2.26	4.30e-03	-1.25e-03	8.43e-04
32	8	-1.21	0.21	0.28	-5.06e-04	-2.39e-04	2.40e-04
32	9	-1.21	0.21	0.28	-5.06e-04	-2.39e-04	2.40e-04
32	10	-0.26	-0.89	-1.20	2.24e-03	-2.99e-04	2.32e-04
32	11	0.26	-0.52	-0.72	1.40e-03	-4.03e-04	2.77e-04
32	12	0.52	-0.28	0.11	0.0	-2.34e-06	1.20e-06
32	13	7.01e-03	-7.49	-7.51	0.01	-1.32e-03	1.67e-04
33	1	3.60e-04	0.18	-0.34	1.73e-03	9.27e-05	1.90e-05
33	2	7.56e-04	0.15	-0.47	2.12e-03	2.05e-04	4.17e-05
33	3	1.48e-03	0.30	-0.93	4.14e-03	4.00e-04	8.15e-05
33	4	-3.80	0.67	0.90	-1.63e-03	-7.42e-04	7.29e-04
33	5	-3.80	0.67	0.90	-1.63e-03	-7.42e-04	7.29e-04
33	6	-0.82	-2.82	-3.75	6.93e-03	-8.80e-04	-7.68e-04
33	7	0.82	-1.64	-2.24	4.23e-03	-1.21e-03	6.94e-04
33	8	-1.21	0.21	0.28	-5.17e-04	-2.36e-04	2.32e-04
33	9	-1.21	0.21	0.28	-5.17e-04	-2.36e-04	2.32e-04
33	10	-0.26	-0.90	-1.20	2.23e-03	-2.95e-04	-2.45e-04
33	11	0.26	-0.52	-0.72	1.38e-03	-3.92e-04	2.22e-04
33	12	0.54	-0.28	0.11	0.0	-2.34e-06	0.0
33	13	7.16e-03	-7.49	-7.46	9.93e-03	-1.79e-03	-2.74e-04
34	1	3.58e-04	0.18	-0.35	1.58e-03	2.46e-04	-1.17e-04
34	2	7.53e-04	0.15	-0.49	1.30e-03	4.78e-04	-3.52e-04
34	3	1.47e-03	0.29	-0.95	2.54e-03	9.36e-04	-6.88e-04
34	4	-3.80	0.69	0.92	-1.66e-03	-7.60e-04	8.27e-04
34	5	-3.80	0.69	0.92	-1.66e-03	-7.60e-04	8.27e-04
34	6	-0.82	-2.84	-3.76	6.93e-03	-8.65e-04	-7.67e-04
34	7	0.82	-1.63	-2.21	4.19e-03	-1.20e-03	6.69e-04
34	8	-1.21	0.22	0.29	-5.28e-04	-2.42e-04	2.63e-04
34	9	-1.21	0.22	0.29	-5.28e-04	-2.42e-04	2.63e-04
34	10	-0.26	-0.90	-1.20	2.23e-03	-2.89e-04	-2.46e-04

34	11	0.26	-0.52	-0.71	1.36e-03	-3.90e-04	2.13e-04
34	12	0.55	-0.28	0.11	0.0	-2.75e-06	2.20e-06
34	13	7.28e-03	-7.49	-7.39	0.01	-2.44e-03	3.49e-04
35	1	3.60e-04	0.11	-0.40	1.16e-03	1.83e-04	-2.61e-04
35	2	7.70e-04	-0.03	-0.60	-1.03e-03	4.43e-04	-6.85e-04
35	3	1.51e-03	-0.06	-1.18	-2.01e-03	8.66e-04	-1.34e-03
35	4	-3.80	0.80	1.03	-1.86e-03	-6.67e-04	5.57e-04
35	5	-3.80	0.80	1.03	-1.86e-03	-6.67e-04	5.57e-04
35	6	-0.82	-2.91	-3.76	6.84e-03	-8.77e-04	-6.51e-04
35	7	0.82	-1.58	-2.09	3.88e-03	-1.29e-03	8.24e-04
35	8	-1.21	0.25	0.33	-5.92e-04	-2.12e-04	1.77e-04
35	9	-1.21	0.25	0.33	-5.92e-04	-2.12e-04	1.77e-04
35	10	-0.26	-0.93	-1.20	2.19e-03	-2.98e-04	-2.14e-04
35	11	0.26	-0.50	-0.67	1.25e-03	-4.25e-04	2.66e-04
35	12	0.63	-0.28	0.11	7.90e-06	-3.03e-06	4.21e-06
35	13	7.83e-03	-7.13	-6.87	0.02	-2.75e-03	2.11e-03
36	1	3.83e-04	0.08	-0.37	8.16e-04	-6.11e-04	-3.18e-05
36	2	8.42e-04	-0.09	-0.58	-1.74e-03	-8.83e-04	8.91e-05
36	3	1.65e-03	-0.18	-1.13	-3.41e-03	-1.73e-03	1.74e-04
36	4	-3.80	0.86	1.12	-2.06e-03	-5.84e-04	4.23e-04
36	5	-3.80	0.86	1.12	-2.06e-03	-5.84e-04	4.23e-04
36	6	-0.82	-2.87	-3.70	6.68e-03	-1.18e-03	8.18e-04
36	7	0.82	-1.47	-1.94	3.56e-03	-1.49e-03	9.98e-04
36	8	-1.21	0.27	0.36	-6.55e-04	-1.86e-04	1.35e-04
36	9	-1.21	0.27	0.36	-6.55e-04	-1.86e-04	1.35e-04
36	10	-0.26	-0.91	-1.18	2.13e-03	-4.16e-04	2.89e-04
36	11	0.26	-0.47	-0.62	1.14e-03	-5.05e-04	3.30e-04
36	12	0.71	-0.28	0.11	1.76e-05	-2.09e-06	4.22e-06
36	13	8.19e-03	-6.60	-6.59	0.02	-1.10e-04	2.66e-03
37	1	4.01e-04	0.09	-0.21	7.52e-04	-1.17e-03	-1.34e-04
37	2	8.96e-04	-0.03	-0.34	-3.23e-05	-1.70e-03	-5.00e-05
37	3	1.75e-03	-0.06	-0.66	-6.32e-05	-3.33e-03	-9.78e-05
37	4	-3.80	0.92	1.20	-2.18e-03	-6.15e-04	7.41e-04
37	5	-3.80	0.92	1.20	-2.18e-03	-6.15e-04	7.41e-04
37	6	-0.82	-2.77	-3.60	6.49e-03	-1.44e-03	6.61e-04
37	7	0.82	-1.35	-1.79	3.25e-03	-1.61e-03	7.86e-04
37	8	-1.21	0.29	0.38	-6.93e-04	-1.96e-04	2.35e-04
37	9	-1.21	0.29	0.38	-6.93e-04	-1.96e-04	2.35e-04
37	10	-0.26	-0.88	-1.15	2.07e-03	-5.21e-04	2.31e-04
37	11	0.26	-0.43	-0.57	1.04e-03	-5.56e-04	2.60e-04
37	12	0.79	-0.28	0.11	5.40e-06	-1.02e-06	3.76e-06
37	13	8.36e-03	-6.09	-6.76	0.01	2.20e-03	1.52e-03
38	1	4.02e-04	0.09	-0.17	8.98e-04	-1.17e-03	-2.41e-04
38	2	9.02e-04	-0.03	-0.28	9.84e-04	-1.68e-03	-3.35e-04
38	3	1.77e-03	-0.07	-0.55	1.92e-03	-3.29e-03	-6.55e-04
38	4	-3.80	0.95	1.22	-2.19e-03	-6.07e-04	7.35e-04
38	5	-3.80	0.95	1.22	-2.19e-03	-6.07e-04	7.35e-04
38	6	-0.82	-2.79	-3.59	6.45e-03	-1.45e-03	-9.07e-04
38	7	0.82	-1.35	-1.76	3.20e-03	-1.61e-03	7.53e-04
38	8	-1.21	0.30	0.39	-6.95e-04	-1.93e-04	2.34e-04
38	9	-1.21	0.30	0.39	-6.95e-04	-1.93e-04	2.34e-04
38	10	-0.26	-0.89	-1.14	2.06e-03	-5.29e-04	-2.94e-04
38	11	0.26	-0.43	-0.56	1.02e-03	-5.57e-04	2.44e-04
38	12	0.81	-0.28	0.11	-1.74e-06	0.0	0.0
38	13	8.37e-03	-6.05	-6.84	0.01	2.48e-03	6.41e-04
39	1	3.13e-04	0.07	-0.09	8.43e-04	1.16e-03	2.49e-04
39	2	6.58e-04	-0.05	-0.19	9.31e-04	2.31e-03	4.97e-04
39	3	1.29e-03	-0.11	-0.36	1.82e-03	4.51e-03	9.73e-04
39	4	-3.86	-0.99	-1.00	2.18e-03	-5.83e-04	7.21e-04
39	5	-3.86	-0.99	-1.00	2.18e-03	-5.83e-04	7.21e-04
39	6	-0.75	-1.42	-1.45	3.19e-03	1.27e-03	-7.72e-04
39	7	0.75	-2.92	-2.96	6.45e-03	1.15e-03	9.29e-04
39	8	-1.23	-0.32	-0.32	6.95e-04	-1.85e-04	2.29e-04
39	9	-1.23	-0.32	-0.32	6.95e-04	-1.85e-04	2.29e-04
39	10	-0.24	-0.45	-0.46	1.02e-03	4.41e-04	-2.48e-04
39	11	0.24	-0.93	-0.94	2.05e-03	4.22e-04	2.99e-04
39	12	-0.81	-0.23	0.12	-1.72e-06	-1.95e-05	-8.69e-06
39	13	-6.46e-04	-6.29	-5.78	0.01	-4.44e-03	-9.63e-04
40	1	2.14e-04	0.15	-0.17	1.61e-03	-1.72e-04	-3.65e-05
40	2	3.49e-04	0.11	-0.27	1.97e-03	-4.50e-04	-9.64e-05
40	3	6.82e-04	0.21	-0.53	3.86e-03	-8.79e-04	-1.89e-04
40	4	-3.86	-0.70	-0.74	1.62e-03	-6.27e-04	7.00e-04
40	5	-3.86	-0.70	-0.74	1.62e-03	-6.27e-04	7.00e-04
40	6	-0.75	-1.72	-1.83	4.21e-03	9.66e-04	-7.31e-04
40	7	0.75	-2.95	-3.08	6.90e-03	7.09e-04	8.10e-04
40	8	-1.23	-0.22	-0.23	5.16e-04	-1.99e-04	2.23e-04

40	9	-1.23	-0.22	-0.23	5.16e-04	-1.99e-04	2.23e-04
40	10	-0.24	-0.55	-0.58	1.36e-03	3.12e-04	-2.33e-04
40	11	0.24	-0.94	-0.98	2.22e-03	2.36e-04	2.58e-04
40	12	-0.54	-0.24	0.12	0.0	0.0	-3.92e-06
40	13	-3.44e-04	-7.70	-6.48	0.01	2.10e-03	4.37e-04
41	1	2.51e-04	0.13	-0.16	1.51e-03	2.43e-05	6.07e-06
41	2	4.53e-04	0.07	-0.26	1.80e-03	8.69e-05	1.98e-05
41	3	8.86e-04	0.13	-0.50	3.53e-03	1.70e-04	3.88e-05
41	4	-3.86	-0.37	-0.39	8.75e-04	-7.07e-04	6.84e-04
41	5	-3.86	-0.37	-0.39	8.75e-04	-7.07e-04	6.84e-04
41	6	-0.75	-2.07	-2.18	4.99e-03	1.03e-03	-7.08e-04
41	7	0.75	-2.76	-2.90	6.57e-03	-9.17e-04	7.27e-04
41	8	-1.23	-0.12	-0.13	2.78e-04	-2.25e-04	2.18e-04
41	9	-1.23	-0.12	-0.13	2.78e-04	-2.25e-04	2.18e-04
41	10	-0.24	-0.66	-0.70	1.61e-03	3.31e-04	-2.25e-04
41	11	0.24	-0.88	-0.92	2.12e-03	-2.97e-04	2.31e-04
41	12	-0.27	-0.24	0.12	1.21e-06	-2.54e-06	-2.81e-06
41	13	4.21e-05	-8.08	-7.02	0.01	1.94e-04	3.22e-05
42	1	2.55e-04	0.13	-0.16	1.51e-03	0.0	0.0
42	2	4.77e-04	0.07	-0.26	1.82e-03	0.0	1.36e-06
42	3	9.34e-04	0.14	-0.51	3.56e-03	0.0	2.66e-06
42	4	-3.86	1.44e-03	1.50e-03	-3.31e-06	-7.36e-04	6.84e-04
42	5	-3.86	1.44e-03	1.50e-03	-3.31e-06	-7.36e-04	6.84e-04
42	6	-0.75	-2.43	-2.57	5.82e-03	1.03e-03	-6.99e-04
42	7	0.75	-2.43	-2.56	5.82e-03	-1.03e-03	7.02e-04
42	8	-1.23	4.56e-04	4.77e-04	-1.05e-06	-2.34e-04	2.18e-04
42	9	-1.23	4.56e-04	4.77e-04	-1.05e-06	-2.34e-04	2.18e-04
42	10	-0.24	-0.77	-0.82	1.88e-03	3.37e-04	-2.23e-04
42	11	0.24	-0.77	-0.82	1.88e-03	-3.38e-04	2.24e-04
42	12	0.0	-0.24	0.12	1.29e-06	0.0	0.0
42	13	9.93e-04	-8.24	-7.15	0.01	-1.93e-06	1.92e-06
43	1	2.59e-04	0.13	-0.16	1.51e-03	-2.49e-05	-4.58e-06
43	2	5.01e-04	0.07	-0.26	1.80e-03	-8.71e-05	-1.71e-05
43	3	9.81e-04	0.13	-0.50	3.53e-03	-1.70e-04	-3.34e-05
43	4	-3.86	0.37	0.39	-8.75e-04	-7.06e-04	6.84e-04
43	5	-3.86	0.37	0.39	-8.75e-04	-7.06e-04	6.84e-04
43	6	-0.75	-2.76	-2.90	6.57e-03	9.14e-04	-7.24e-04
43	7	0.75	-2.07	-2.18	4.98e-03	-1.03e-03	7.11e-04
43	8	-1.23	0.12	0.13	-2.78e-04	-2.25e-04	2.18e-04
43	9	-1.23	0.12	0.13	-2.78e-04	-2.25e-04	2.18e-04
43	10	-0.24	-0.88	-0.93	2.12e-03	2.96e-04	-2.30e-04
43	11	0.24	-0.66	-0.70	1.61e-03	-3.32e-04	2.26e-04
43	12	0.27	-0.24	0.12	1.21e-06	2.54e-06	2.82e-06
43	13	1.94e-03	-8.08	-7.02	0.01	-1.99e-04	-2.85e-05
44	1	2.96e-04	0.15	-0.17	1.61e-03	1.72e-04	3.80e-05
44	2	6.07e-04	0.11	-0.27	1.97e-03	4.49e-04	9.90e-05
44	3	1.19e-03	0.21	-0.53	3.86e-03	8.78e-04	1.94e-04
44	4	-3.86	0.70	0.74	-1.62e-03	-6.26e-04	7.00e-04
44	5	-3.86	0.70	0.74	-1.62e-03	-6.26e-04	7.00e-04
44	6	-0.75	-2.95	-3.08	6.90e-03	-7.06e-04	-8.07e-04
44	7	0.75	-1.72	-1.83	4.20e-03	-9.67e-04	7.34e-04
44	8	-1.23	0.22	0.23	-5.16e-04	-1.99e-04	2.23e-04
44	9	-1.23	0.22	0.23	-5.16e-04	-1.99e-04	2.23e-04
44	10	-0.24	-0.94	-0.98	2.22e-03	-2.35e-04	-2.57e-04
44	11	0.24	-0.55	-0.58	1.36e-03	-3.13e-04	2.34e-04
44	12	0.54	-0.24	0.12	0.0	0.0	3.93e-06
44	13	2.32e-03	-7.70	-6.48	0.01	-2.10e-03	-4.34e-04
45	1	1.94e-04	0.07	-0.09	8.43e-04	-1.16e-03	-2.48e-04
45	2	2.90e-04	-0.05	-0.19	9.28e-04	-2.31e-03	-4.95e-04
45	3	5.68e-04	-0.11	-0.36	1.82e-03	-4.51e-03	-9.68e-04
45	4	-3.86	0.99	1.00	-2.18e-03	-5.82e-04	7.22e-04
45	5	-3.86	0.99	1.00	-2.18e-03	-5.82e-04	7.22e-04
45	6	-0.75	-2.92	-2.96	6.44e-03	-1.16e-03	-9.26e-04
45	7	0.75	-1.42	-1.45	3.19e-03	-1.28e-03	7.75e-04
45	8	-1.23	0.32	0.32	-6.94e-04	-1.85e-04	2.30e-04
45	9	-1.23	0.32	0.32	-6.94e-04	-1.85e-04	2.30e-04
45	10	-0.24	-0.93	-0.94	2.05e-03	-4.22e-04	-2.98e-04
45	11	0.24	-0.45	-0.46	1.02e-03	-4.41e-04	2.49e-04
45	12	0.81	-0.23	0.12	-1.72e-06	1.95e-05	8.69e-06
45	13	2.64e-03	-6.28	-5.77	0.01	4.44e-03	9.67e-04
46	1	1.62e-04	0.05	-0.01	6.21e-04	1.16e-03	2.45e-04
46	2	3.37e-04	-0.07	-0.10	7.61e-04	2.94e-03	6.20e-04
46	3	6.59e-04	-0.14	-0.20	1.49e-03	5.76e-03	1.21e-03
46	4	-3.92	-1.04	-0.79	2.17e-03	-5.76e-04	7.47e-04
46	5	-3.92	-1.04	-0.79	2.17e-03	-5.76e-04	7.47e-04
46	6	-0.68	-1.48	-1.14	3.16e-03	9.45e-04	-7.88e-04

46	7	0.68	-3.06	-2.33	6.41e-03	-8.63e-04	8.91e-04
46	8	-1.25	-0.33	-0.25	6.91e-04	-1.83e-04	2.38e-04
46	9	-1.25	-0.33	-0.25	6.91e-04	-1.83e-04	2.38e-04
46	10	-0.22	-0.47	-0.36	1.01e-03	3.26e-04	-2.52e-04
46	11	0.22	-0.97	-0.74	2.04e-03	-3.16e-04	2.85e-04
46	12	-0.81	-0.19	0.13	-1.63e-06	-3.69e-05	-2.78e-05
46	13	1.35e-03	-6.52	-4.68	0.01	-6.38e-03	-1.40e-03
47	1	1.62e-04	0.06	-0.05	5.89e-04	1.15e-03	1.48e-04
47	2	3.37e-04	-0.06	-0.20	8.06e-04	2.93e-03	3.51e-04
47	3	6.59e-04	-0.11	-0.38	1.58e-03	5.74e-03	6.87e-04
47	4	-3.92	-1.02	-0.77	2.15e-03	-5.51e-04	7.91e-04
47	5	-3.92	-1.02	-0.77	2.15e-03	-5.51e-04	7.91e-04
47	6	-0.68	-1.49	-1.15	3.21e-03	9.56e-04	-8.13e-04
47	7	0.68	-3.04	-2.34	6.44e-03	8.52e-04	-6.12e-04
47	8	-1.25	-0.32	-0.25	6.85e-04	-1.75e-04	2.51e-04
47	9	-1.25	-0.32	-0.25	6.85e-04	-1.75e-04	2.51e-04
47	10	-0.22	-0.47	-0.37	1.02e-03	3.27e-04	-2.63e-04
47	11	0.22	-0.97	-0.74	2.05e-03	3.09e-04	-2.07e-04
47	12	-0.79	-0.19	0.13	1.79e-06	-3.21e-05	-3.04e-06
47	13	1.35e-03	-6.58	-4.48	0.01	-6.04e-03	-2.24e-03
48	1	1.63e-04	0.05	-0.19	7.02e-04	3.91e-04	2.60e-05
48	2	3.35e-04	-0.09	-0.57	8.13e-04	9.78e-04	4.54e-05
48	3	6.55e-04	-0.18	-1.11	1.59e-03	1.91e-03	8.88e-05
48	4	-3.92	-0.95	-0.72	2.01e-03	-3.77e-04	5.82e-04
48	5	-3.92	-0.95	-0.72	2.01e-03	-3.77e-04	5.82e-04
48	6	-0.68	-1.61	-1.25	3.49e-03	8.81e-04	-9.29e-04
48	7	0.68	-3.15	-2.40	6.60e-03	6.45e-04	-6.25e-04
48	8	-1.25	-0.30	-0.23	6.40e-04	-1.20e-04	1.85e-04
48	9	-1.25	-0.30	-0.23	6.40e-04	-1.20e-04	1.85e-04
48	10	-0.22	-0.51	-0.40	1.12e-03	2.94e-04	-3.01e-04
48	11	0.22	-1.00	-0.77	2.11e-03	2.25e-04	-2.15e-04
48	12	-0.71	-0.19	0.13	7.98e-06	4.97e-06	-4.25e-06
48	13	1.33e-03	-7.19	-3.87	0.01	-1.03e-03	-2.19e-03
49	1	1.61e-04	0.06	-0.17	8.81e-04	-6.00e-04	7.84e-05
49	2	3.29e-04	-0.06	-0.48	1.11e-03	-1.75e-03	1.60e-04
49	3	6.44e-04	-0.11	-0.95	2.18e-03	-3.42e-03	3.12e-04
49	4	-3.92	-0.88	-0.66	1.83e-03	-4.09e-04	6.73e-04
49	5	-3.92	-0.88	-0.66	1.83e-03	-4.09e-04	6.73e-04
49	6	-0.68	-1.72	-1.34	3.78e-03	7.65e-04	-8.45e-04
49	7	0.68	-3.19	-2.43	6.73e-03	4.91e-04	6.54e-04
49	8	-1.25	-0.28	-0.21	5.82e-04	-1.30e-04	2.14e-04
49	9	-1.25	-0.28	-0.21	5.82e-04	-1.30e-04	2.14e-04
49	10	-0.22	-0.55	-0.43	1.22e-03	2.48e-04	-2.71e-04
49	11	0.22	-1.01	-0.78	2.15e-03	1.61e-04	2.12e-04
49	12	-0.63	-0.19	0.13	3.02e-06	1.59e-05	-1.29e-06
49	13	1.28e-03	-7.68	-4.31	0.01	5.34e-03	-8.51e-04
50	1	1.64e-04	0.12	-0.05	1.06e-03	-5.20e-04	4.04e-05
50	2	3.32e-04	0.07	-0.13	1.45e-03	-1.43e-03	1.05e-04
50	3	6.50e-04	0.14	-0.26	2.83e-03	-2.81e-03	2.05e-04
50	4	-3.92	-0.77	-0.59	1.64e-03	-5.36e-04	8.95e-04
50	5	-3.92	-0.77	-0.59	1.64e-03	-5.36e-04	8.95e-04
50	6	-0.68	-1.79	-1.41	4.04e-03	7.26e-04	-7.43e-04
50	7	0.68	-3.11	-2.42	6.78e-03	5.35e-04	7.91e-04
50	8	-1.25	-0.24	-0.19	5.22e-04	-1.71e-04	2.85e-04
50	9	-1.25	-0.24	-0.19	5.22e-04	-1.71e-04	2.85e-04
50	10	-0.22	-0.57	-0.45	1.30e-03	2.34e-04	-2.37e-04
50	11	0.22	-0.99	-0.77	2.17e-03	1.75e-04	2.53e-04
50	12	-0.55	-0.19	0.13	0.0	2.42e-06	2.10e-06
50	13	1.22e-03	-7.94	-5.32	0.01	4.26e-03	1.09e-04
51	1	1.64e-04	0.12	-0.03	1.21e-03	-2.52e-04	-5.22e-05
51	2	3.33e-04	0.07	-0.10	1.55e-03	-6.96e-04	-1.46e-04
51	3	6.52e-04	0.14	-0.19	3.02e-03	-1.36e-03	-2.85e-04
51	4	-3.92	-0.74	-0.58	1.61e-03	-5.32e-04	7.67e-04
51	5	-3.92	-0.74	-0.58	1.61e-03	-5.32e-04	7.67e-04
51	6	-0.68	-1.80	-1.42	4.11e-03	7.29e-04	-7.60e-04
51	7	0.68	-3.09	-2.41	6.80e-03	5.39e-04	8.06e-04
51	8	-1.25	-0.23	-0.18	5.11e-04	-1.69e-04	2.44e-04
51	9	-1.25	-0.23	-0.18	5.11e-04	-1.69e-04	2.44e-04
51	10	-0.22	-0.57	-0.45	1.33e-03	2.35e-04	-2.42e-04
51	11	0.22	-0.98	-0.77	2.18e-03	1.78e-04	2.57e-04
51	12	-0.54	-0.19	0.13	0.0	0.0	-1.22e-05
51	13	1.20e-03	-7.93	-5.43	0.01	2.44e-03	4.75e-04
52	1	1.65e-04	0.11	-0.03	1.10e-03	8.18e-06	-1.20e-04
52	2	3.34e-04	0.06	-0.09	1.54e-03	2.25e-05	-3.34e-04
52	3	6.54e-04	0.12	-0.17	3.01e-03	4.40e-05	-6.54e-04
52	4	-3.92	-0.71	-0.56	1.57e-03	-5.31e-04	8.29e-04

52	5	-3.92	-0.71	-0.56	1.57e-03	-5.31e-04	8.29e-04
52	6	-0.68	-1.81	-1.44	4.15e-03	7.70e-04	-8.80e-04
52	7	0.68	-3.08	-2.41	6.79e-03	5.43e-04	-6.95e-04
52	8	-1.25	-0.23	-0.18	5.00e-04	-1.69e-04	2.64e-04
52	9	-1.25	-0.23	-0.18	5.00e-04	-1.69e-04	2.64e-04
52	10	-0.22	-0.58	-0.46	1.34e-03	2.47e-04	-2.86e-04
52	11	0.22	-0.98	-0.77	2.18e-03	1.79e-04	-2.30e-04
52	12	-0.52	-0.19	0.13	0.0	-1.64e-06	2.20e-06
52	13	1.19e-03	-7.93	-5.48	0.01	8.72e-04	-2.42e-04
53	1	1.67e-04	0.06	-0.08	1.08e-03	2.81e-04	-9.06e-05
53	2	3.38e-04	-0.08	-0.23	1.63e-03	8.27e-04	-2.22e-04
53	3	6.60e-04	-0.15	-0.46	3.19e-03	1.62e-03	-4.34e-04
53	4	-3.92	-0.62	-0.49	1.37e-03	-4.65e-04	6.36e-04
53	5	-3.92	-0.62	-0.49	1.37e-03	-4.65e-04	6.36e-04
53	6	-0.68	-1.96	-1.53	4.40e-03	8.12e-04	-1.03e-03
53	7	0.68	-3.10	-2.40	6.75e-03	-6.02e-04	-7.60e-04
53	8	-1.25	-0.20	-0.16	4.35e-04	-1.48e-04	2.02e-04
53	9	-1.25	-0.20	-0.16	4.35e-04	-1.48e-04	2.02e-04
53	10	-0.22	-0.63	-0.49	1.42e-03	2.59e-04	-3.36e-04
53	11	0.22	-0.99	-0.76	2.17e-03	-1.95e-04	-2.51e-04
53	12	-0.44	-0.19	0.13	0.0	3.32e-06	-1.39e-06
53	13	1.13e-03	-8.11	-5.33	0.01	-1.19e-03	-8.68e-04
54	1	1.67e-04	0.05	-0.09	1.04e-03	-2.22e-04	6.62e-05
54	2	3.33e-04	-0.09	-0.25	1.55e-03	-6.37e-04	1.63e-04
54	3	6.52e-04	-0.17	-0.50	3.04e-03	-1.25e-03	3.18e-04
54	4	-3.92	-0.53	-0.42	1.14e-03	-5.09e-04	6.90e-04
54	5	-3.92	-0.53	-0.42	1.14e-03	-5.09e-04	6.90e-04
54	6	-0.68	-2.09	-1.62	4.61e-03	7.81e-04	-9.04e-04
54	7	0.68	-3.05	-2.35	6.64e-03	-7.08e-04	9.13e-04
54	8	-1.25	-0.17	-0.13	3.62e-04	-1.62e-04	2.19e-04
54	9	-1.25	-0.17	-0.13	3.62e-04	-1.62e-04	2.19e-04
54	10	-0.22	-0.67	-0.52	1.49e-03	2.50e-04	-2.91e-04
54	11	0.22	-0.97	-0.75	2.13e-03	-2.28e-04	2.95e-04
54	12	-0.36	-0.19	0.13	0.0	2.19e-06	-1.06e-06
54	13	1.07e-03	-8.28	-5.40	0.01	2.00e-03	-2.06e-04
55	1	1.69e-04	0.10	-0.03	1.03e-03	-1.50e-04	7.91e-05
55	2	3.35e-04	0.03	-0.10	1.42e-03	-3.99e-04	2.24e-04
55	3	6.56e-04	0.05	-0.20	2.78e-03	-7.81e-04	4.38e-04
55	4	-3.92	-0.42	-0.33	9.08e-04	-6.08e-04	8.77e-04
55	5	-3.92	-0.42	-0.33	9.08e-04	-6.08e-04	8.77e-04
55	6	-0.68	-2.16	-1.69	4.82e-03	7.67e-04	-7.73e-04
55	7	0.68	-2.91	-2.28	6.46e-03	-7.34e-04	9.04e-04
55	8	-1.25	-0.13	-0.10	2.89e-04	-1.93e-04	2.79e-04
55	9	-1.25	-0.13	-0.10	2.89e-04	-1.93e-04	2.79e-04
55	10	-0.22	-0.69	-0.54	1.55e-03	2.46e-04	-2.49e-04
55	11	0.22	-0.93	-0.73	2.08e-03	-2.37e-04	2.93e-04
55	12	-0.28	-0.19	0.13	0.0	-4.65e-06	0.0
55	13	1.00e-03	-8.34	-5.80	0.01	1.19e-03	7.32e-05
56	1	1.69e-04	0.10	-0.03	1.13e-03	5.35e-05	1.20e-05
56	2	3.36e-04	0.03	-0.10	1.42e-03	1.58e-04	3.43e-05
56	3	6.57e-04	0.06	-0.19	2.78e-03	3.09e-04	6.71e-05
56	4	-3.92	-0.39	-0.31	8.65e-04	-5.99e-04	7.54e-04
56	5	-3.92	-0.39	-0.31	8.65e-04	-5.99e-04	7.54e-04
56	6	-0.68	-2.17	-1.70	4.88e-03	7.75e-04	-7.48e-04
56	7	0.68	-2.89	-2.26	6.45e-03	-7.01e-04	7.60e-04
56	8	-1.25	-0.12	-0.10	2.75e-04	-1.90e-04	2.40e-04
56	9	-1.25	-0.12	-0.10	2.75e-04	-1.90e-04	2.40e-04
56	10	-0.22	-0.69	-0.54	1.57e-03	2.49e-04	-2.38e-04
56	11	0.22	-0.92	-0.72	2.07e-03	-2.26e-04	2.42e-04
56	12	-0.27	-0.19	0.13	1.22e-06	-5.04e-06	-7.30e-06
56	13	9.89e-04	-8.34	-5.82	0.01	-9.79e-05	-3.71e-05
57	1	1.69e-04	0.10	-0.04	1.01e-03	2.53e-04	-6.19e-05
57	2	3.37e-04	0.03	-0.11	1.39e-03	7.04e-04	-1.73e-04
57	3	6.59e-04	0.06	-0.22	2.72e-03	1.38e-03	-3.39e-04
57	4	-3.92	-0.37	-0.29	8.21e-04	-5.98e-04	8.45e-04
57	5	-3.92	-0.37	-0.29	8.21e-04	-5.98e-04	8.45e-04
57	6	-0.68	-2.18	-1.72	4.91e-03	8.28e-04	-8.99e-04
57	7	0.68	-2.87	-2.25	6.39e-03	-6.97e-04	7.19e-04
57	8	-1.25	-0.12	-0.09	2.61e-04	-1.90e-04	2.69e-04
57	9	-1.25	-0.12	-0.09	2.61e-04	-1.90e-04	2.69e-04
57	10	-0.22	-0.70	-0.55	1.58e-03	2.67e-04	-2.88e-04
57	11	0.22	-0.91	-0.72	2.05e-03	-2.25e-04	2.31e-04
57	12	-0.25	-0.19	0.13	1.86e-06	-5.15e-06	0.0
57	13	9.77e-04	-8.35	-5.80	0.01	-1.28e-03	-4.91e-04
58	1	1.71e-04	0.05	-0.11	9.65e-04	2.97e-04	-6.77e-05
58	2	3.39e-04	-0.09	-0.31	1.39e-03	8.60e-04	-1.62e-04

58	3	6.62e-04	-0.17	-0.61	2.72e-03	1.68e-03	-3.16e-04
58	4	-3.92	-0.26	-0.20	5.75e-04	-5.25e-04	6.86e-04
58	5	-3.92	-0.26	-0.20	5.75e-04	-5.25e-04	6.86e-04
58	6	-0.68	-2.35	-1.82	5.16e-03	8.91e-04	-1.04e-03
58	7	0.68	-2.84	-2.20	6.21e-03	-7.37e-04	8.32e-04
58	8	-1.25	-0.08	-0.06	1.83e-04	-1.67e-04	2.18e-04
58	9	-1.25	-0.08	-0.06	1.83e-04	-1.67e-04	2.18e-04
58	10	-0.22	-0.75	-0.58	1.66e-03	2.89e-04	-3.33e-04
58	11	0.22	-0.91	-0.70	2.00e-03	-2.38e-04	2.67e-04
58	12	-0.17	-0.19	0.13	2.95e-06	0.0	0.0
58	13	9.17e-04	-8.49	-5.43	0.01	-1.75e-03	-5.90e-04
59	1	1.70e-04	0.05	-0.10	9.72e-04	-3.07e-04	6.73e-05
59	2	3.34e-04	-0.09	-0.31	1.41e-03	-8.89e-04	1.62e-04
59	3	6.53e-04	-0.17	-0.60	2.76e-03	-1.74e-03	3.17e-04
59	4	-3.92	-0.15	-0.11	3.10e-04	-5.44e-04	7.08e-04
59	5	-3.92	-0.15	-0.11	3.10e-04	-5.44e-04	7.08e-04
59	6	-0.68	-2.48	-1.91	5.41e-03	8.09e-04	-9.46e-04
59	7	0.68	-2.74	-2.12	6.00e-03	-8.20e-04	1.04e-03
59	8	-1.25	-0.05	-0.04	9.86e-05	-1.73e-04	2.25e-04
59	9	-1.25	-0.05	-0.04	9.86e-05	-1.73e-04	2.25e-04
59	10	-0.22	-0.79	-0.61	1.74e-03	2.62e-04	-3.09e-04
59	11	0.22	-0.87	-0.68	1.93e-03	-2.63e-04	3.37e-04
59	12	-0.09	-0.19	0.13	2.21e-06	2.24e-06	0.0
59	13	8.54e-04	-8.54	-5.47	0.01	2.18e-03	2.32e-04
60	1	1.72e-04	0.10	-0.04	1.02e-03	-2.21e-04	7.24e-05
60	2	3.36e-04	0.03	-0.11	1.41e-03	-6.07e-04	2.03e-04
60	3	6.57e-04	0.06	-0.22	2.76e-03	-1.19e-03	3.96e-04
60	4	-3.92	-0.03	-0.02	-4.95e-05	-6.20e-04	8.67e-04
60	5	-3.92	-0.03	-0.02	-4.95e-05	-6.20e-04	8.67e-04
60	6	-0.68	-2.54	-1.99	5.65e-03	7.72e-04	-7.74e-04
60	7	0.68	-2.57	-2.02	5.75e-03	-8.25e-04	9.35e-04
60	8	-1.25	-9.14e-03	-6.57e-03	-1.57e-05	-1.97e-04	2.76e-04
60	9	-1.25	-9.14e-03	-6.57e-03	-1.57e-05	-1.97e-04	2.76e-04
60	10	-0.22	-0.81	-0.63	1.82e-03	2.51e-04	-2.51e-04
60	11	0.22	-0.82	-0.64	1.85e-03	-2.68e-04	3.02e-04
60	12	-0.02	-0.19	0.13	1.42e-06	0.0	0.0
60	13	7.90e-04	-8.50	-5.90	0.01	1.36e-03	3.02e-04
61	1	1.73e-04	0.10	-0.03	1.13e-03	0.0	0.0
61	2	3.37e-04	0.04	-0.10	1.44e-03	0.0	1.44e-06
61	3	6.59e-04	0.07	-0.20	2.81e-03	0.0	2.82e-06
61	4	-3.92	1.50e-03	1.18e-03	-3.28e-06	-6.12e-04	7.55e-04
61	5	-3.92	1.50e-03	1.18e-03	-3.28e-06	-6.12e-04	7.55e-04
61	6	-0.68	-2.55	-2.00	5.72e-03	7.83e-04	-7.43e-04
61	7	0.68	-2.55	-2.00	5.71e-03	-7.85e-04	7.47e-04
61	8	-1.25	4.78e-04	3.74e-04	-1.04e-06	-1.95e-04	2.40e-04
61	9	-1.25	4.78e-04	3.74e-04	-1.04e-06	-1.95e-04	2.40e-04
61	10	-0.22	-0.81	-0.64	1.84e-03	2.55e-04	-2.37e-04
61	11	0.22	-0.81	-0.64	1.84e-03	-2.55e-04	2.38e-04
61	12	0.0	-0.19	0.13	1.30e-06	0.0	0.0
61	13	7.77e-04	-8.50	-5.92	0.01	-1.49e-06	1.68e-06
62	1	1.73e-04	0.10	-0.04	1.02e-03	2.15e-04	-7.03e-05
62	2	3.37e-04	0.03	-0.11	1.41e-03	5.92e-04	-1.99e-04
62	3	6.60e-04	0.06	-0.22	2.76e-03	1.16e-03	-3.88e-04
62	4	-3.92	0.03	0.02	4.84e-05	-6.20e-04	8.67e-04
62	5	-3.92	0.03	0.02	4.84e-05	-6.20e-04	8.67e-04
62	6	-0.68	-2.57	-2.02	5.75e-03	8.22e-04	-9.29e-04
62	7	0.68	-2.53	-1.99	5.65e-03	-7.74e-04	7.76e-04
62	8	-1.25	8.86e-03	6.40e-03	1.54e-05	-1.97e-04	2.76e-04
62	9	-1.25	8.86e-03	6.40e-03	1.54e-05	-1.97e-04	2.76e-04
62	10	-0.22	-0.82	-0.64	1.85e-03	2.67e-04	-3.00e-04
62	11	0.22	-0.81	-0.63	1.82e-03	-2.52e-04	2.52e-04
62	12	0.02	-0.19	0.13	1.42e-06	0.0	0.0
62	13	7.64e-04	-8.50	-5.90	0.01	-1.33e-03	-2.93e-04
63	1	1.75e-04	0.05	-0.10	9.73e-04	3.10e-04	-6.70e-05
63	2	3.40e-04	-0.09	-0.31	1.41e-03	8.97e-04	-1.61e-04
63	3	6.64e-04	-0.17	-0.60	2.77e-03	1.75e-03	-3.16e-04
63	4	-3.92	0.15	0.11	-3.09e-04	-5.44e-04	7.08e-04
63	5	-3.92	0.15	0.11	-3.09e-04	-5.44e-04	7.08e-04
63	6	-0.68	-2.74	-2.12	6.00e-03	8.18e-04	-1.04e-03
63	7	0.68	-2.48	-1.91	5.41e-03	-8.11e-04	9.49e-04
63	8	-1.25	0.05	0.04	-9.82e-05	-1.73e-04	2.25e-04
63	9	-1.25	0.05	0.04	-9.82e-05	-1.73e-04	2.25e-04
63	10	-0.22	-0.87	-0.68	1.93e-03	2.63e-04	-3.36e-04
63	11	0.22	-0.79	-0.61	1.74e-03	-2.63e-04	3.10e-04
63	12	0.09	-0.19	0.13	2.21e-06	-2.25e-06	0.0
63	13	6.99e-04	-8.54	-5.47	0.01	-2.20e-03	-2.32e-04

64	1	1.74e-04	0.05	-0.11	9.65e-04	-2.94e-04	6.81e-05
64	2	3.35e-04	-0.09	-0.31	1.39e-03	-8.52e-04	1.62e-04
64	3	6.55e-04	-0.17	-0.61	2.72e-03	-1.67e-03	3.17e-04
64	4	-3.92	0.26	0.20	-5.74e-04	-5.25e-04	6.85e-04
64	5	-3.92	0.26	0.20	-5.74e-04	-5.25e-04	6.85e-04
64	6	-0.68	-2.85	-2.20	6.21e-03	7.35e-04	-8.29e-04
64	7	0.68	-2.35	-1.82	5.16e-03	-8.92e-04	1.04e-03
64	8	-1.25	0.08	0.06	-1.83e-04	-1.67e-04	2.18e-04
64	9	-1.25	0.08	0.06	-1.83e-04	-1.67e-04	2.18e-04
64	10	-0.22	-0.91	-0.70	2.00e-03	2.37e-04	-2.66e-04
64	11	0.22	-0.75	-0.58	1.66e-03	-2.90e-04	3.34e-04
64	12	0.17	-0.19	0.13	2.95e-06	0.0	0.0
64	13	6.37e-04	-8.49	-5.43	0.01	1.73e-03	5.89e-04
65	1	1.76e-04	0.10	-0.04	1.01e-03	-2.59e-04	6.41e-05
65	2	3.37e-04	0.03	-0.11	1.39e-03	-7.17e-04	1.77e-04
65	3	6.59e-04	0.06	-0.22	2.72e-03	-1.40e-03	3.47e-04
65	4	-3.92	0.36	0.29	-8.20e-04	-5.98e-04	8.45e-04
65	5	-3.92	0.36	0.29	-8.20e-04	-5.98e-04	8.45e-04
65	6	-0.68	-2.88	-2.25	6.39e-03	6.95e-04	-7.16e-04
65	7	0.68	-2.18	-1.72	4.91e-03	-8.31e-04	9.04e-04
65	8	-1.25	0.12	0.09	-2.61e-04	-1.90e-04	2.69e-04
65	9	-1.25	0.12	0.09	-2.61e-04	-1.90e-04	2.69e-04
65	10	-0.22	-0.91	-0.72	2.05e-03	2.25e-04	-2.31e-04
65	11	0.22	-0.69	-0.55	1.58e-03	-2.68e-04	2.90e-04
65	12	0.25	-0.19	0.13	1.87e-06	5.11e-06	0.0
65	13	5.77e-04	-8.35	-5.79	0.01	1.30e-03	5.02e-04
66	1	1.76e-04	0.10	-0.03	1.13e-03	-5.44e-05	-1.04e-05
66	2	3.37e-04	0.03	-0.10	1.42e-03	-1.58e-04	-3.14e-05
66	3	6.60e-04	0.06	-0.19	2.78e-03	-3.10e-04	-6.14e-05
66	4	-3.92	0.39	0.31	-8.65e-04	-5.99e-04	7.54e-04
66	5	-3.92	0.39	0.31	-8.65e-04	-5.99e-04	7.54e-04
66	6	-0.68	-2.89	-2.26	6.45e-03	6.99e-04	-7.57e-04
66	7	0.68	-2.17	-1.70	4.88e-03	-7.77e-04	7.51e-04
66	8	-1.25	0.12	0.10	-2.75e-04	-1.90e-04	2.40e-04
66	9	-1.25	0.12	0.10	-2.75e-04	-1.90e-04	2.40e-04
66	10	-0.22	-0.92	-0.72	2.07e-03	2.26e-04	-2.41e-04
66	11	0.22	-0.69	-0.54	1.57e-03	-2.50e-04	2.39e-04
66	12	0.27	-0.19	0.13	1.22e-06	5.04e-06	7.30e-06
66	13	5.65e-04	-8.34	-5.82	0.01	9.41e-05	4.04e-05
67	1	1.76e-04	0.10	-0.03	1.03e-03	1.45e-04	-7.70e-05
67	2	3.38e-04	0.03	-0.10	1.42e-03	3.86e-04	-2.20e-04
67	3	6.61e-04	0.06	-0.20	2.78e-03	7.55e-04	-4.30e-04
67	4	-3.92	0.42	0.33	-9.07e-04	-6.09e-04	8.77e-04
67	5	-3.92	0.42	0.33	-9.07e-04	-6.09e-04	8.77e-04
67	6	-0.68	-2.91	-2.28	6.47e-03	7.31e-04	-8.97e-04
67	7	0.68	-2.16	-1.69	4.82e-03	-7.69e-04	7.75e-04
67	8	-1.25	0.13	0.10	-2.88e-04	-1.94e-04	2.79e-04
67	9	-1.25	0.13	0.10	-2.88e-04	-1.94e-04	2.79e-04
67	10	-0.22	-0.93	-0.73	2.08e-03	2.36e-04	-2.90e-04
67	11	0.22	-0.69	-0.54	1.55e-03	-2.47e-04	2.50e-04
67	12	0.28	-0.19	0.13	0.0	4.71e-06	0.0
67	13	5.51e-04	-8.34	-5.80	0.01	-1.16e-03	-6.67e-05
68	1	1.78e-04	0.05	-0.09	1.04e-03	2.25e-04	-6.59e-05
68	2	3.40e-04	-0.09	-0.25	1.55e-03	6.44e-04	-1.62e-04
68	3	6.65e-04	-0.17	-0.50	3.04e-03	1.26e-03	-3.18e-04
68	4	-3.92	0.53	0.42	-1.14e-03	-5.09e-04	6.90e-04
68	5	-3.92	0.53	0.42	-1.14e-03	-5.09e-04	6.90e-04
68	6	-0.68	-3.05	-2.35	6.64e-03	7.06e-04	-9.10e-04
68	7	0.68	-2.09	-1.62	4.61e-03	-7.82e-04	9.06e-04
68	8	-1.25	0.17	0.13	-3.61e-04	-1.62e-04	2.19e-04
68	9	-1.25	0.17	0.13	-3.61e-04	-1.62e-04	2.19e-04
68	10	-0.22	-0.97	-0.75	2.13e-03	2.28e-04	-2.94e-04
68	11	0.22	-0.67	-0.52	1.49e-03	-2.50e-04	2.91e-04
68	12	0.36	-0.19	0.13	0.0	-2.17e-06	1.06e-06
68	13	4.82e-04	-8.28	-5.40	0.01	-2.02e-03	2.08e-04
69	1	1.78e-04	0.06	-0.08	1.08e-03	-2.79e-04	9.08e-05
69	2	3.36e-04	-0.08	-0.23	1.63e-03	-8.22e-04	2.22e-04
69	3	6.57e-04	-0.15	-0.46	3.19e-03	-1.61e-03	4.34e-04
69	4	-3.92	0.62	0.49	-1.37e-03	-4.65e-04	6.36e-04
69	5	-3.92	0.62	0.49	-1.37e-03	-4.65e-04	6.36e-04
69	6	-0.68	-3.10	-2.40	6.75e-03	6.00e-04	7.57e-04
69	7	0.68	-1.96	-1.53	4.39e-03	-8.13e-04	1.04e-03
69	8	-1.25	0.20	0.16	-4.34e-04	-1.48e-04	2.02e-04
69	9	-1.25	0.20	0.16	-4.34e-04	-1.48e-04	2.02e-04
69	10	-0.22	-0.99	-0.76	2.17e-03	1.95e-04	2.50e-04
69	11	0.22	-0.63	-0.49	1.42e-03	-2.59e-04	3.37e-04

69	12	0.44	-0.19	0.13	0.0	-3.33e-06	1.40e-06
69	13	4.19e-04	-8.11	-5.33	0.01	1.18e-03	8.71e-04
70	1	1.80e-04	0.11	-0.03	1.10e-03	-1.56e-05	1.22e-04
70	2	3.39e-04	0.06	-0.09	1.54e-03	-4.11e-05	3.38e-04
70	3	6.63e-04	0.12	-0.17	3.01e-03	-8.03e-05	6.61e-04
70	4	-3.92	0.71	0.56	-1.57e-03	-5.30e-04	8.29e-04
70	5	-3.92	0.71	0.56	-1.57e-03	-5.30e-04	8.29e-04
70	6	-0.68	-3.08	-2.41	6.79e-03	-5.41e-04	6.93e-04
70	7	0.68	-1.81	-1.44	4.14e-03	-7.71e-04	8.86e-04
70	8	-1.25	0.23	0.18	-5.00e-04	-1.69e-04	2.64e-04
70	9	-1.25	0.23	0.18	-5.00e-04	-1.69e-04	2.64e-04
70	10	-0.22	-0.98	-0.77	2.18e-03	-1.78e-04	2.30e-04
70	11	0.22	-0.58	-0.46	1.34e-03	-2.48e-04	2.88e-04
70	12	0.52	-0.19	0.13	0.0	1.60e-06	-2.22e-06
70	13	3.62e-04	-7.92	-5.48	0.01	-8.34e-04	2.58e-04
71	1	1.80e-04	0.12	-0.03	1.21e-03	2.51e-04	5.38e-05
71	2	3.40e-04	0.07	-0.10	1.55e-03	6.95e-04	1.48e-04
71	3	6.65e-04	0.14	-0.19	3.03e-03	1.36e-03	2.90e-04
71	4	-3.92	0.74	0.58	-1.61e-03	-5.32e-04	7.67e-04
71	5	-3.92	0.74	0.58	-1.61e-03	-5.32e-04	7.67e-04
71	6	-0.68	-3.09	-2.41	6.80e-03	-5.36e-04	-8.03e-04
71	7	0.68	-1.80	-1.42	4.11e-03	-7.30e-04	7.63e-04
71	8	-1.25	0.23	0.18	-5.11e-04	-1.69e-04	2.44e-04
71	9	-1.25	0.23	0.18	-5.11e-04	-1.69e-04	2.44e-04
71	10	-0.22	-0.98	-0.77	2.18e-03	-1.76e-04	-2.56e-04
71	11	0.22	-0.57	-0.45	1.33e-03	-2.35e-04	2.43e-04
71	12	0.54	-0.19	0.13	0.0	0.0	1.22e-05
71	13	3.50e-04	-7.92	-5.42	0.01	-2.44e-03	-4.72e-04
72	1	1.81e-04	0.12	-0.05	1.07e-03	5.13e-04	-3.81e-05
72	2	3.41e-04	0.07	-0.13	1.45e-03	1.42e-03	-1.00e-04
72	3	6.67e-04	0.14	-0.26	2.84e-03	2.77e-03	-1.96e-04
72	4	-3.92	0.76	0.59	-1.64e-03	-5.37e-04	8.95e-04
72	5	-3.92	0.76	0.59	-1.64e-03	-5.37e-04	8.95e-04
72	6	-0.68	-3.11	-2.42	6.78e-03	-5.32e-04	-7.87e-04
72	7	0.68	-1.79	-1.41	4.04e-03	-7.27e-04	7.46e-04
72	8	-1.25	0.24	0.19	-5.22e-04	-1.71e-04	2.85e-04
72	9	-1.25	0.24	0.19	-5.22e-04	-1.71e-04	2.85e-04
72	10	-0.22	-0.99	-0.77	2.17e-03	-1.74e-04	-2.52e-04
72	11	0.22	-0.57	-0.45	1.30e-03	-2.34e-04	2.38e-04
72	12	0.55	-0.19	0.13	0.0	-2.27e-06	-2.07e-06
72	13	3.37e-04	-7.93	-5.32	0.01	-4.22e-03	-1.07e-04
73	1	1.83e-04	0.06	-0.17	8.83e-04	6.04e-04	-7.78e-05
73	2	3.44e-04	-0.06	-0.48	1.12e-03	1.76e-03	-1.59e-04
73	3	6.73e-04	-0.11	-0.95	2.18e-03	3.44e-03	-3.10e-04
73	4	-3.92	0.87	0.66	-1.83e-03	-4.09e-04	6.74e-04
73	5	-3.92	0.87	0.66	-1.83e-03	-4.09e-04	6.74e-04
73	6	-0.68	-3.19	-2.43	6.73e-03	-4.89e-04	-6.52e-04
73	7	0.68	-1.72	-1.34	3.78e-03	-7.65e-04	8.47e-04
73	8	-1.25	0.28	0.21	-5.82e-04	-1.30e-04	2.14e-04
73	9	-1.25	0.28	0.21	-5.82e-04	-1.30e-04	2.14e-04
73	10	-0.22	-1.01	-0.77	2.15e-03	-1.61e-04	-2.11e-04
73	11	0.22	-0.55	-0.43	1.22e-03	-2.48e-04	2.71e-04
73	12	0.63	-0.19	0.13	2.98e-06	-1.59e-05	1.28e-06
73	13	2.70e-04	-7.67	-4.31	0.01	-5.37e-03	8.52e-04
74	1	1.82e-04	0.05	-0.20	7.03e-04	-3.85e-04	-2.50e-05
74	2	3.38e-04	-0.09	-0.57	8.13e-04	-9.61e-04	-4.32e-05
74	3	6.61e-04	-0.19	-1.11	1.59e-03	-1.88e-03	-8.45e-05
74	4	-3.92	0.95	0.72	-2.01e-03	-3.76e-04	5.82e-04
74	5	-3.92	0.95	0.72	-2.01e-03	-3.76e-04	5.82e-04
74	6	-0.68	-3.14	-2.40	6.60e-03	-6.44e-04	6.23e-04
74	7	0.68	-1.61	-1.25	3.49e-03	-8.82e-04	9.31e-04
74	8	-1.25	0.30	0.23	-6.40e-04	-1.20e-04	1.85e-04
74	9	-1.25	0.30	0.23	-6.40e-04	-1.20e-04	1.85e-04
74	10	-0.22	-1.00	-0.76	2.11e-03	-2.25e-04	2.14e-04
74	11	0.22	-0.51	-0.40	1.12e-03	-2.94e-04	3.02e-04
74	12	0.71	-0.19	0.13	7.97e-06	-5.11e-06	4.24e-06
74	13	2.27e-04	-7.19	-3.86	0.01	9.85e-04	2.19e-03
75	1	1.83e-04	0.06	-0.05	5.90e-04	-1.15e-03	-1.45e-04
75	2	3.36e-04	-0.06	-0.20	8.03e-04	-2.93e-03	-3.45e-04
75	3	6.57e-04	-0.11	-0.39	1.57e-03	-5.73e-03	-6.75e-04
75	4	-3.92	1.01	0.77	-2.15e-03	-5.49e-04	7.90e-04
75	5	-3.92	1.01	0.77	-2.15e-03	-5.49e-04	7.90e-04
75	6	-0.68	-3.04	-2.33	6.43e-03	-8.52e-04	6.09e-04
75	7	0.68	-1.49	-1.15	3.21e-03	-9.58e-04	8.17e-04
75	8	-1.25	0.32	0.25	-6.85e-04	-1.75e-04	2.51e-04
75	9	-1.25	0.32	0.25	-6.85e-04	-1.75e-04	2.51e-04

75	10	-0.22	-0.97	-0.74	2.05e-03	-3.09e-04	2.06e-04
75	11	0.22	-0.47	-0.37	1.02e-03	-3.28e-04	2.65e-04
75	12	0.79	-0.19	0.13	1.89e-06	3.18e-05	2.95e-06
75	13	2.07e-04	-6.58	-4.47	0.01	6.02e-03	2.26e-03
76	1	1.83e-04	0.05	-0.01	6.20e-04	-1.16e-03	-2.43e-04
76	2	3.36e-04	-0.07	-0.10	7.59e-04	-2.94e-03	-6.17e-04
76	3	6.57e-04	-0.14	-0.20	1.48e-03	-5.76e-03	-1.21e-03
76	4	-3.92	1.04	0.79	-2.17e-03	-5.75e-04	7.47e-04
76	5	-3.92	1.04	0.79	-2.17e-03	-5.75e-04	7.47e-04
76	6	-0.68	-3.05	-2.33	6.40e-03	8.63e-04	-8.88e-04
76	7	0.68	-1.48	-1.14	3.16e-03	-9.47e-04	7.92e-04
76	8	-1.25	0.33	0.25	-6.91e-04	-1.83e-04	2.38e-04
76	9	-1.25	0.33	0.25	-6.91e-04	-1.83e-04	2.38e-04
76	10	-0.22	-0.97	-0.74	2.04e-03	3.16e-04	-2.84e-04
76	11	0.22	-0.47	-0.36	1.01e-03	-3.26e-04	2.53e-04
76	12	0.81	-0.19	0.13	-1.63e-06	3.69e-05	2.79e-05
76	13	2.03e-04	-6.51	-4.68	0.01	6.38e-03	1.40e-03
77	1	1.02e-04	0.05	0.02	8.27e-05	4.51e-05	9.94e-06
77	2	2.85e-04	-0.08	-0.04	3.25e-04	1.19e-04	2.64e-05
77	3	5.58e-04	-0.16	-0.09	6.36e-04	2.33e-04	5.17e-05
77	4	-3.99	-1.09	-0.58	2.15e-03	-0.01	-1.68e-03
77	5	-3.99	-1.09	-0.58	2.15e-03	-0.01	-1.68e-03
77	6	-0.62	-1.55	-0.83	3.11e-03	-1.45e-03	-1.04e-03
77	7	0.62	-3.19	-1.70	6.33e-03	-1.46e-03	1.05e-03
77	8	-1.27	-0.35	-0.18	6.83e-04	-3.61e-03	-5.35e-04
77	9	-1.27	-0.35	-0.18	6.83e-04	-3.61e-03	-5.35e-04
77	10	-0.20	-0.49	-0.26	9.90e-04	-4.61e-04	-3.30e-04
77	11	0.20	-1.01	-0.54	2.01e-03	-4.63e-04	3.34e-04
77	12	-0.80	-0.14	0.14	-2.37e-06	-2.21e-03	-4.76e-04
77	13	1.00e-03	-6.77	-3.52	0.01	-3.15e-04	-3.24e-05
78	1	9.00e-05	0.10	0.04	2.42e-04	-1.08e-05	-1.57e-06
78	2	2.27e-04	0.05	7.90e-03	3.83e-04	-2.87e-05	-4.92e-06
78	3	4.45e-04	0.10	0.02	7.49e-04	-5.62e-05	-9.62e-06
78	4	-3.99	-0.77	-0.42	1.58e-03	-0.01	-1.68e-03
78	5	-3.99	-0.77	-0.42	1.58e-03	-0.01	-1.68e-03
78	6	-0.62	-1.88	-1.03	3.94e-03	-1.45e-03	-1.04e-03
78	7	0.62	-3.23	-1.76	6.62e-03	-1.46e-03	1.05e-03
78	8	-1.27	-0.25	-0.13	5.03e-04	-3.61e-03	-5.34e-04
78	9	-1.27	-0.25	-0.13	5.03e-04	-3.61e-03	-5.34e-04
78	10	-0.20	-0.60	-0.33	1.26e-03	-4.62e-04	-3.30e-04
78	11	0.20	-1.03	-0.56	2.11e-03	-4.63e-04	3.33e-04
78	12	-0.54	-0.14	0.14	0.0	-1.47e-03	-3.17e-04
78	13	1.11e-03	-8.19	-4.20	0.01	6.01e-05	3.53e-05
79	1	9.36e-05	0.09	0.04	2.30e-04	2.11e-06	1.23e-06
79	2	2.21e-04	0.01	2.71e-05	3.89e-04	6.36e-06	2.64e-06
79	3	4.33e-04	0.02	5.31e-05	7.62e-04	1.24e-05	5.17e-06
79	4	-3.99	-0.41	-0.22	8.46e-04	-0.01	-1.68e-03
79	5	-3.99	-0.41	-0.22	8.46e-04	-0.01	-1.68e-03
79	6	-0.62	-2.26	-1.24	4.70e-03	-1.45e-03	-1.04e-03
79	7	0.62	-3.02	-1.65	6.23e-03	-1.46e-03	1.04e-03
79	8	-1.27	-0.13	-0.07	2.69e-04	-3.61e-03	-5.34e-04
79	9	-1.27	-0.13	-0.07	2.69e-04	-3.61e-03	-5.34e-04
79	10	-0.20	-0.72	-0.39	1.50e-03	-4.62e-04	-3.30e-04
79	11	0.20	-0.96	-0.52	1.99e-03	-4.64e-04	3.32e-04
79	12	-0.27	-0.14	0.14	1.30e-06	-7.37e-04	-1.59e-04
79	13	8.52e-04	-8.63	-4.46	0.02	-2.01e-05	7.03e-06
80	1	9.08e-05	0.09	0.04	2.27e-04	0.0	0.0
80	2	1.97e-04	0.02	-3.08e-03	3.88e-04	0.0	1.32e-06
80	3	3.85e-04	0.03	-6.02e-03	7.58e-04	0.0	2.59e-06
80	4	-3.99	1.57e-03	8.58e-04	-3.22e-06	-0.01	-1.68e-03
80	5	-3.99	1.57e-03	8.58e-04	-3.22e-06	-0.01	-1.68e-03
80	6	-0.62	-2.66	-1.46	5.52e-03	1.45e-03	-1.04e-03
80	7	0.62	-2.66	-1.46	5.52e-03	-1.46e-03	1.04e-03
80	8	-1.27	5.00e-04	2.73e-04	-1.02e-06	-3.61e-03	-5.34e-04
80	9	-1.27	5.00e-04	2.73e-04	-1.02e-06	-3.61e-03	-5.34e-04
80	10	-0.20	-0.85	-0.46	1.77e-03	4.62e-04	-3.30e-04
80	11	0.20	-0.85	-0.46	1.77e-03	-4.64e-04	3.31e-04
80	12	0.0	-0.14	0.14	1.54e-06	0.0	0.0
80	13	5.68e-04	-8.79	-4.54	0.02	0.0	2.34e-06
81	1	8.80e-05	0.09	0.04	2.30e-04	-2.62e-06	0.0
81	2	1.72e-04	0.01	3.50e-06	3.90e-04	-6.90e-06	0.0
81	3	3.37e-04	0.02	6.84e-06	7.62e-04	-1.35e-05	0.0
81	4	-3.99	0.41	0.22	-8.46e-04	-0.01	-1.68e-03
81	5	-3.99	0.41	0.22	-8.46e-04	-0.01	-1.68e-03
81	6	-0.62	-3.02	-1.65	6.24e-03	1.45e-03	-1.04e-03
81	7	0.62	-2.26	-1.23	4.69e-03	1.46e-03	1.04e-03

81	8	-1.27	0.13	0.07	-2.69e-04	-3.61e-03	-5.34e-04
81	9	-1.27	0.13	0.07	-2.69e-04	-3.61e-03	-5.34e-04
81	10	-0.20	-0.96	-0.52	1.99e-03	4.62e-04	-3.30e-04
81	11	0.20	-0.72	-0.39	1.50e-03	4.64e-04	3.31e-04
81	12	0.27	-0.14	0.14	1.30e-06	7.37e-04	1.59e-04
81	13	2.83e-04	-8.63	-4.46	0.02	2.15e-05	-2.37e-06
82	1	9.14e-05	0.10	0.04	2.42e-04	1.02e-05	3.05e-06
82	2	1.66e-04	0.05	7.83e-03	3.83e-04	2.82e-05	7.56e-06
82	3	3.24e-04	0.09	0.02	7.49e-04	5.52e-05	1.48e-05
82	4	-3.99	0.77	0.42	-1.58e-03	-0.01	-1.68e-03
82	5	-3.99	0.77	0.42	-1.58e-03	-0.01	-1.68e-03
82	6	-0.62	-3.23	-1.75	6.62e-03	1.45e-03	-1.04e-03
82	7	0.62	-1.88	-1.03	3.94e-03	1.46e-03	1.04e-03
82	8	-1.27	0.25	0.13	-5.03e-04	-3.61e-03	-5.34e-04
82	9	-1.27	0.25	0.13	-5.03e-04	-3.61e-03	-5.34e-04
82	10	-0.20	-1.03	-0.56	2.11e-03	4.61e-04	-3.32e-04
82	11	0.20	-0.60	-0.33	1.26e-03	4.64e-04	3.31e-04
82	12	0.54	-0.14	0.14	0.0	1.47e-03	3.17e-04
82	13	2.45e-05	-8.19	-4.19	0.01	-5.87e-05	-3.07e-05
83	1	7.99e-05	0.05	0.02	8.28e-05	-4.56e-05	-8.44e-06
83	2	1.09e-04	-0.08	-0.05	3.25e-04	-1.20e-04	-2.38e-05
83	3	2.13e-04	-0.16	-0.09	6.36e-04	-2.34e-04	-4.65e-05
83	4	-3.99	1.08	0.58	-2.15e-03	-0.01	-1.68e-03
83	5	-3.99	1.08	0.58	-2.15e-03	-0.01	-1.68e-03
83	6	-0.62	-3.19	-1.70	6.33e-03	1.45e-03	-1.05e-03
83	7	0.62	-1.55	-0.83	3.11e-03	1.46e-03	1.04e-03
83	8	-1.27	0.34	0.18	-6.83e-04	-3.61e-03	-5.35e-04
83	9	-1.27	0.34	0.18	-6.83e-04	-3.61e-03	-5.35e-04
83	10	-0.20	-1.01	-0.54	2.01e-03	4.61e-04	-3.33e-04
83	11	0.20	-0.49	-0.26	9.89e-04	4.64e-04	3.32e-04
83	12	0.80	-0.14	0.14	-2.37e-06	2.21e-03	4.76e-04
83	13	1.29e-04	-6.76	-3.51	0.01	3.16e-04	3.70e-05
84	1	2.81e-05	0.05	0.01	-2.04e-04	9.94e-04	2.10e-04
84	2	1.61e-04	-0.09	-0.03	4.00e-05	2.75e-03	5.78e-04
84	3	3.15e-04	-0.17	-0.06	7.82e-05	5.38e-03	1.13e-03
84	4	-4.08	-1.13	-0.38	2.01e-03	-4.67e-04	1.14e-03
84	5	-4.08	-1.13	-0.38	2.01e-03	-4.67e-04	1.14e-03
84	6	-0.57	-1.61	-0.54	2.89e-03	3.46e-04	-7.74e-04
84	7	0.57	-3.32	-1.11	5.91e-03	-3.18e-04	8.00e-04
84	8	-1.30	-0.36	-0.12	6.38e-04	-1.48e-04	3.62e-04
84	9	-1.30	-0.36	-0.12	6.38e-04	-1.48e-04	3.62e-04
84	10	-0.18	-0.51	-0.17	9.20e-04	1.17e-04	-2.46e-04
84	11	0.18	-1.05	-0.35	1.88e-03	-1.16e-04	2.55e-04
84	12	-0.81	-0.09	0.15	-2.79e-06	-4.50e-05	1.17e-05
84	13	3.51e-04	-7.03	-2.29	0.01	-6.51e-03	-1.42e-03
85	1	2.74e-05	0.05	-0.02	-1.33e-04	9.89e-04	1.08e-04
85	2	1.58e-04	-0.07	-0.12	9.27e-05	2.74e-03	3.07e-04
85	3	3.09e-04	-0.14	-0.23	1.81e-04	5.37e-03	6.01e-04
85	4	-4.09	-1.10	-0.37	1.98e-03	-3.45e-04	7.98e-04
85	5	-4.09	-1.10	-0.37	1.98e-03	-3.45e-04	7.98e-04
85	6	-0.57	-1.61	-0.54	2.96e-03	3.74e-04	-8.77e-04
85	7	0.57	-3.30	-1.11	5.99e-03	3.01e-04	-5.84e-04
85	8	-1.30	-0.35	-0.12	6.30e-04	-1.10e-04	2.54e-04
85	9	-1.30	-0.35	-0.12	6.30e-04	-1.10e-04	2.54e-04
85	10	-0.18	-0.51	-0.17	9.41e-04	1.24e-04	-2.81e-04
85	11	0.18	-1.05	-0.35	1.90e-03	1.08e-04	-1.93e-04
85	12	-0.79	-0.09	0.15	-6.97e-06	-2.94e-05	-1.38e-05
85	13	3.55e-04	-7.09	-2.09	0.01	-6.18e-03	-2.25e-03
86	1	2.48e-05	0.04	-0.14	-5.63e-05	2.88e-04	-1.55e-06
86	2	1.45e-04	-0.12	-0.47	1.60e-04	8.98e-04	1.26e-05
86	3	2.84e-04	-0.23	-0.91	3.14e-04	1.76e-03	2.47e-05
86	4	-4.09	-1.03	-0.34	1.83e-03	-1.90e-04	7.22e-04
86	5	-4.09	-1.03	-0.34	1.83e-03	-1.90e-04	7.22e-04
86	6	-0.57	-1.74	-0.59	3.20e-03	3.74e-04	-9.93e-04
86	7	0.57	-3.41	-1.15	6.14e-03	2.39e-04	-6.40e-04
86	8	-1.30	-0.33	-0.11	5.81e-04	-6.04e-05	2.29e-04
86	9	-1.30	-0.33	-0.11	5.81e-04	-6.04e-05	2.29e-04
86	10	-0.18	-0.56	-0.19	1.02e-03	1.22e-04	-3.21e-04
86	11	0.18	-1.08	-0.36	1.96e-03	8.00e-05	-2.17e-04
86	12	-0.71	-0.09	0.15	-1.29e-05	3.26e-06	0.0
86	13	3.72e-04	-7.71	-1.43	0.01	-1.49e-03	-2.34e-03
87	1	2.23e-05	0.05	-0.10	-8.86e-05	-6.30e-04	8.21e-05
87	2	1.33e-04	-0.08	-0.38	0.0	-1.70e-03	1.98e-04
87	3	2.60e-04	-0.16	-0.75	-1.83e-06	-3.32e-03	3.87e-04
87	4	-4.09	-0.95	-0.32	1.69e-03	-2.07e-04	8.16e-04
87	5	-4.09	-0.95	-0.32	1.69e-03	-2.07e-04	8.16e-04

87	6	-0.57	-1.87	-0.64	3.41e-03	3.34e-04	-9.15e-04
87	7	0.57	-3.45	-1.16	6.20e-03	2.34e-04	6.83e-04
87	8	-1.30	-0.30	-0.10	5.38e-04	-6.59e-05	2.59e-04
87	9	-1.30	-0.30	-0.10	5.38e-04	-6.59e-05	2.59e-04
87	10	-0.18	-0.60	-0.20	1.09e-03	1.08e-04	-2.94e-04
87	11	0.18	-1.10	-0.37	1.97e-03	7.63e-05	2.21e-04
87	12	-0.63	-0.09	0.15	-4.73e-06	1.35e-05	2.02e-06
87	13	3.92e-04	-8.22	-1.76	0.01	4.49e-03	-1.08e-03
88	1	1.95e-05	0.10	0.02	-1.78e-04	-5.37e-04	4.57e-05
88	2	1.19e-04	0.05	-0.04	-2.39e-04	-1.43e-03	1.16e-04
88	3	2.33e-04	0.10	-0.08	-4.68e-04	-2.81e-03	2.27e-04
88	4	-4.09	-0.83	-0.28	1.52e-03	-2.94e-04	9.13e-04
88	5	-4.09	-0.83	-0.28	1.52e-03	-2.94e-04	9.13e-04
88	6	-0.57	-1.95	-0.66	3.59e-03	3.09e-04	-8.30e-04
88	7	0.57	-3.38	-1.14	6.17e-03	-2.65e-04	8.32e-04
88	8	-1.30	-0.26	-0.09	4.83e-04	-9.36e-05	2.90e-04
88	9	-1.30	-0.26	-0.09	4.83e-04	-9.36e-05	2.90e-04
88	10	-0.18	-0.62	-0.21	1.15e-03	9.90e-05	-2.65e-04
88	11	0.18	-1.07	-0.36	1.96e-03	-8.57e-05	2.66e-04
88	12	-0.55	-0.09	0.15	1.13e-06	2.51e-06	-4.54e-06
88	13	4.14e-04	-8.51	-2.63	0.02	3.65e-03	-4.61e-05
89	1	1.87e-05	0.10	0.04	-2.78e-04	-2.82e-04	-5.85e-05
89	2	1.16e-04	0.05	-1.93e-03	-3.94e-04	-7.50e-04	-1.57e-04
89	3	2.27e-04	0.10	-3.78e-03	-7.70e-04	-1.47e-03	-3.06e-04
89	4	-4.09	-0.80	-0.27	1.47e-03	-3.65e-04	1.14e-03
89	5	-4.09	-0.80	-0.27	1.47e-03	-3.65e-04	1.14e-03
89	6	-0.57	-1.95	-0.67	3.60e-03	2.93e-04	-7.72e-04
89	7	0.57	-3.36	-1.13	6.11e-03	-2.45e-04	7.80e-04
89	8	-1.30	-0.26	-0.09	4.66e-04	-1.16e-04	3.62e-04
89	9	-1.30	-0.26	-0.09	4.66e-04	-1.16e-04	3.62e-04
89	10	-0.18	-0.62	-0.21	1.15e-03	9.37e-05	-2.46e-04
89	11	0.18	-1.07	-0.36	1.94e-03	-7.97e-05	2.48e-04
89	12	-0.54	-0.09	0.15	0.0	-6.13e-06	1.16e-05
89	13	4.20e-04	-8.51	-2.72	0.02	2.02e-03	3.95e-04
90	1	1.83e-05	0.10	0.04	-1.83e-04	-3.36e-05	-1.38e-04
90	2	1.14e-04	0.04	0.01	-2.63e-04	-8.25e-05	-3.68e-04
90	3	2.24e-04	0.08	0.02	-5.15e-04	-1.61e-04	-7.21e-04
90	4	-4.09	-0.78	-0.26	1.44e-03	-2.84e-04	8.50e-04
90	5	-4.09	-0.78	-0.26	1.44e-03	-2.84e-04	8.50e-04
90	6	-0.57	-1.97	-0.67	3.67e-03	3.39e-04	-9.58e-04
90	7	0.57	-3.34	-1.13	6.15e-03	2.33e-04	-7.32e-04
90	8	-1.30	-0.25	-0.08	4.57e-04	-9.02e-05	2.70e-04
90	9	-1.30	-0.25	-0.08	4.57e-04	-9.02e-05	2.70e-04
90	10	-0.18	-0.63	-0.21	1.17e-03	1.08e-04	-3.09e-04
90	11	0.18	-1.06	-0.36	1.96e-03	7.52e-05	-2.40e-04
90	12	-0.52	-0.09	0.15	0.0	-1.13e-06	-4.36e-06
90	13	4.19e-04	-8.51	-2.76	0.02	6.30e-04	-2.57e-04
91	1	1.78e-05	0.04	-1.18e-03	-1.21e-04	2.57e-04	-1.04e-04
91	2	1.07e-04	-0.10	-0.11	-1.50e-04	7.31e-04	-2.64e-04
91	3	2.09e-04	-0.20	-0.22	-2.94e-04	1.43e-03	-5.17e-04
91	4	-4.09	-0.68	-0.23	1.25e-03	-2.24e-04	7.74e-04
91	5	-4.09	-0.68	-0.23	1.25e-03	-2.24e-04	7.74e-04
91	6	-0.57	-2.13	-0.72	3.90e-03	3.80e-04	-1.11e-03
91	7	0.57	-3.36	-1.13	6.10e-03	2.58e-04	-8.01e-04
91	8	-1.30	-0.22	-0.07	3.97e-04	-7.11e-05	2.46e-04
91	9	-1.30	-0.22	-0.07	3.97e-04	-7.11e-05	2.46e-04
91	10	-0.18	-0.68	-0.23	1.24e-03	1.21e-04	-3.60e-04
91	11	0.18	-1.07	-0.36	1.95e-03	8.26e-05	-2.63e-04
91	12	-0.44	-0.09	0.15	0.0	2.26e-06	1.85e-06
91	13	4.12e-04	-8.69	-2.60	0.02	-1.31e-03	-9.07e-04
92	1	1.76e-05	0.04	-9.67e-03	-1.08e-04	-1.78e-04	8.28e-05
92	2	1.00e-04	-0.11	-0.14	-1.03e-04	-5.33e-04	2.05e-04
92	3	1.96e-04	-0.22	-0.26	-2.01e-04	-1.04e-03	4.00e-04
92	4	-4.09	-0.58	-0.20	1.06e-03	-2.55e-04	8.31e-04
92	5	-4.09	-0.58	-0.20	1.06e-03	-2.55e-04	8.31e-04
92	6	-0.57	-2.27	-0.76	4.11e-03	3.41e-04	-9.76e-04
92	7	0.57	-3.31	-1.11	5.99e-03	-3.33e-04	9.74e-04
92	8	-1.30	-0.18	-0.06	3.37e-04	-8.10e-05	2.64e-04
92	9	-1.30	-0.18	-0.06	3.37e-04	-8.10e-05	2.64e-04
92	10	-0.18	-0.72	-0.24	1.31e-03	1.09e-04	-3.13e-04
92	11	0.18	-1.05	-0.35	1.91e-03	-1.06e-04	3.14e-04
92	12	-0.36	-0.09	0.15	2.11e-06	1.48e-06	1.08e-06
92	13	4.05e-04	-8.87	-2.61	0.02	1.37e-03	-3.52e-04
93	1	1.71e-05	0.09	0.04	-1.57e-04	-1.14e-04	9.54e-05
93	2	9.29e-05	7.87e-03	-5.02e-03	-1.68e-04	-3.13e-04	2.53e-04
93	3	1.82e-04	0.02	-9.82e-03	-3.29e-04	-6.12e-04	4.94e-04

93	4	-4.09	-0.45	-0.16	8.37e-04	-3.31e-04	9.03e-04
93	5	-4.09	-0.45	-0.16	8.37e-04	-3.31e-04	9.03e-04
93	6	-0.57	-2.34	-0.79	4.30e-03	3.16e-04	-8.60e-04
93	7	0.57	-3.16	-1.07	5.81e-03	-3.34e-04	9.79e-04
93	8	-1.30	-0.14	-0.05	2.66e-04	-1.05e-04	2.87e-04
93	9	-1.30	-0.14	-0.05	2.66e-04	-1.05e-04	2.87e-04
93	10	-0.18	-0.75	-0.25	1.37e-03	1.01e-04	-2.76e-04
93	11	0.18	-1.01	-0.34	1.85e-03	-1.07e-04	3.16e-04
93	12	-0.28	-0.09	0.15	1.92e-06	-4.04e-06	-2.97e-06
93	13	3.99e-04	-8.96	-2.90	0.02	7.16e-04	-5.34e-05
94	1	1.68e-05	0.09	0.04	-2.43e-04	6.99e-05	1.55e-05
94	2	9.11e-05	0.01	-2.22e-03	-2.76e-04	1.83e-04	3.99e-05
94	3	1.78e-04	0.03	-4.35e-03	-5.39e-04	3.59e-04	7.80e-05
94	4	-4.09	-0.42	-0.14	7.80e-04	-3.99e-04	1.13e-03
94	5	-4.09	-0.42	-0.14	7.80e-04	-3.99e-04	1.13e-03
94	6	-0.57	-2.35	-0.80	4.30e-03	3.05e-04	-7.73e-04
94	7	0.57	-3.14	-1.06	5.73e-03	-2.87e-04	7.77e-04
94	8	-1.30	-0.14	-0.05	2.48e-04	-1.27e-04	3.60e-04
94	9	-1.30	-0.14	-0.05	2.48e-04	-1.27e-04	3.60e-04
94	10	-0.18	-0.75	-0.25	1.37e-03	9.74e-05	-2.46e-04
94	11	0.18	-1.00	-0.34	1.82e-03	-9.18e-05	2.47e-04
94	12	-0.27	-0.09	0.15	1.25e-06	-7.67e-06	4.97e-06
94	13	3.99e-04	-8.96	-2.91	0.02	-3.79e-04	-9.03e-05
95	1	1.64e-05	0.09	0.03	-1.57e-04	2.50e-04	-7.12e-05
95	2	8.92e-05	0.01	-0.02	-1.62e-04	6.69e-04	-1.91e-04
95	3	1.74e-04	0.02	-0.03	-3.18e-04	1.31e-03	-3.73e-04
95	4	-4.09	-0.40	-0.14	7.39e-04	-3.20e-04	8.72e-04
95	5	-4.09	-0.40	-0.14	7.39e-04	-3.20e-04	8.72e-04
95	6	-0.57	-2.37	-0.80	4.38e-03	3.62e-04	-9.89e-04
95	7	0.57	-3.12	-1.06	5.75e-03	-2.89e-04	8.00e-04
95	8	-1.30	-0.13	-0.04	2.35e-04	-1.02e-04	2.77e-04
95	9	-1.30	-0.13	-0.04	2.35e-04	-1.02e-04	2.77e-04
95	10	-0.18	-0.75	-0.26	1.40e-03	1.16e-04	-3.16e-04
95	11	0.18	-0.99	-0.34	1.83e-03	-9.26e-05	2.57e-04
95	12	-0.25	-0.09	0.15	0.0	-4.46e-06	-3.06e-06
95	13	3.97e-04	-8.97	-2.88	0.02	-1.36e-03	-4.80e-04
96	1	1.58e-05	0.04	-0.03	-1.04e-04	2.74e-04	-8.06e-05
96	2	8.13e-05	-0.11	-0.20	-6.30e-05	7.80e-04	-2.00e-04
96	3	1.59e-04	-0.21	-0.39	-1.23e-04	1.53e-03	-3.90e-04
96	4	-4.09	-0.28	-0.09	5.14e-04	-2.51e-04	8.23e-04
96	5	-4.09	-0.28	-0.09	5.14e-04	-2.51e-04	8.23e-04
96	6	-0.57	-2.55	-0.86	4.63e-03	4.07e-04	-1.12e-03
96	7	0.57	-3.08	-1.04	5.60e-03	-3.19e-04	8.99e-04
96	8	-1.30	-0.09	-0.03	1.63e-04	-7.97e-05	2.62e-04
96	9	-1.30	-0.09	-0.03	1.63e-04	-7.97e-05	2.62e-04
96	10	-0.18	-0.81	-0.27	1.48e-03	1.31e-04	-3.60e-04
96	11	0.18	-0.98	-0.33	1.79e-03	-1.02e-04	2.88e-04
96	12	-0.17	-0.09	0.15	0.0	0.0	0.0
96	13	3.84e-04	-9.10	-2.53	0.02	-1.63e-03	-5.69e-04
97	1	1.55e-05	0.04	-0.03	-1.08e-04	-2.85e-04	7.98e-05
97	2	7.42e-05	-0.11	-0.20	-7.50e-05	-8.15e-04	1.99e-04
97	3	1.45e-04	-0.22	-0.38	-1.47e-04	-1.59e-03	3.89e-04
97	4	-4.09	-0.16	-0.06	2.95e-04	-2.60e-04	8.47e-04
97	5	-4.09	-0.16	-0.06	2.95e-04	-2.60e-04	8.47e-04
97	6	-0.57	-2.69	-0.91	4.87e-03	3.50e-04	-1.02e-03
97	7	0.57	-2.97	-1.00	5.40e-03	-3.85e-04	1.11e-03
97	8	-1.30	-0.05	-0.02	9.38e-05	-8.28e-05	2.69e-04
97	9	-1.30	-0.05	-0.02	9.38e-05	-8.28e-05	2.69e-04
97	10	-0.18	-0.85	-0.29	1.55e-03	1.13e-04	-3.33e-04
97	11	0.18	-0.94	-0.32	1.72e-03	-1.23e-04	3.59e-04
97	12	-0.09	-0.09	0.15	0.0	1.98e-06	0.0
97	13	3.72e-04	-9.16	-2.56	0.02	1.87e-03	1.61e-04
98	1	1.49e-05	0.09	0.03	-1.67e-04	-2.05e-04	8.45e-05
98	2	6.63e-05	0.01	-0.02	-1.86e-04	-5.52e-04	2.25e-04
98	3	1.30e-04	0.03	-0.03	-3.64e-04	-1.08e-03	4.40e-04
98	4	-4.09	-0.03	-0.01	5.36e-05	-3.22e-04	8.95e-04
98	5	-4.09	-0.03	-0.01	5.36e-05	-3.22e-04	8.95e-04
98	6	-0.57	-2.76	-0.93	5.07e-03	3.21e-04	-8.63e-04
98	7	0.57	-2.79	-0.95	5.16e-03	-3.66e-04	1.02e-03
98	8	-1.30	-0.01	-3.62e-03	1.71e-05	-1.02e-04	2.85e-04
98	9	-1.30	-0.01	-3.62e-03	1.71e-05	-1.02e-04	2.85e-04
98	10	-0.18	-0.88	-0.30	1.62e-03	1.04e-04	-2.79e-04
98	11	0.18	-0.89	-0.30	1.64e-03	-1.17e-04	3.27e-04
98	12	-0.02	-0.09	0.15	1.56e-06	0.0	0.0
98	13	3.59e-04	-9.14	-2.92	0.02	1.18e-03	2.36e-04
99	1	1.45e-05	0.09	0.03	-2.57e-04	0.0	0.0

99	2	6.44e-05	0.02	-7.43e-03	-3.07e-04	0.0	1.31e-06
99	3	1.26e-04	0.03	-0.01	-6.01e-04	0.0	2.57e-06
99	4	-4.09	-1.64e-03	5.55e-04	-2.98e-06	-3.91e-04	1.13e-03
99	5	-4.09	-1.64e-03	5.55e-04	-2.98e-06	-3.91e-04	1.13e-03
99	6	-0.57	-2.77	-0.94	5.07e-03	3.12e-04	-7.72e-04
99	7	0.57	-2.77	-0.94	5.06e-03	-3.13e-04	7.75e-04
99	8	-1.30	-5.21e-04	1.76e-04	0.0	-1.24e-04	3.60e-04
99	9	-1.30	-5.21e-04	1.76e-04	0.0	-1.24e-04	3.60e-04
99	10	-0.18	-0.88	-0.30	1.62e-03	1.01e-04	-2.46e-04
99	11	0.18	-0.88	-0.30	1.61e-03	-1.01e-04	2.47e-04
99	12	0.0	-0.09	0.15	1.68e-06	0.0	0.0
99	13	3.58e-04	-9.13	-2.95	0.02	-1.06e-06	1.85e-06
100	1	1.41e-05	0.09	0.03	-1.68e-04	1.99e-04	-8.23e-05
100	2	6.25e-05	0.01	-0.02	-1.87e-04	5.39e-04	-2.20e-04
100	3	1.22e-04	0.03	-0.03	-3.66e-04	1.05e-03	-4.31e-04
100	4	-4.09	0.03	0.01	-5.23e-05	-3.23e-04	8.96e-04
100	5	-4.09	0.03	0.01	-5.23e-05	-3.23e-04	8.96e-04
100	6	-0.57	-2.79	-0.95	5.16e-03	3.64e-04	-1.01e-03
100	7	0.57	-2.75	-0.93	5.07e-03	-3.21e-04	8.65e-04
100	8	-1.30	9.79e-03	3.52e-03	-1.66e-05	-1.03e-04	2.85e-04
100	9	-1.30	9.79e-03	3.52e-03	-1.66e-05	-1.03e-04	2.85e-04
100	10	-0.18	-0.89	-0.30	1.65e-03	1.17e-04	-3.25e-04
100	11	0.18	-0.88	-0.30	1.62e-03	-1.04e-04	2.79e-04
100	12	0.02	-0.09	0.15	1.57e-06	0.0	0.0
100	13	3.56e-04	-9.14	-2.93	0.02	-1.15e-03	-2.28e-04
101	1	1.36e-05	0.04	-0.03	-1.08e-04	2.88e-04	-7.97e-05
101	2	5.46e-05	-0.11	-0.20	-7.58e-05	8.21e-04	-1.99e-04
101	3	1.07e-04	-0.21	-0.38	-1.48e-04	1.61e-03	-3.89e-04
101	4	-4.09	0.16	0.06	-2.94e-04	-2.60e-04	8.47e-04
101	5	-4.09	0.16	0.06	-2.94e-04	-2.60e-04	8.47e-04
101	6	-0.57	-2.97	-1.00	5.40e-03	3.85e-04	-1.11e-03
101	7	0.57	-2.68	-0.91	4.87e-03	-3.51e-04	1.02e-03
101	8	-1.30	0.05	0.02	-9.34e-05	-8.28e-05	2.69e-04
101	9	-1.30	0.05	0.02	-9.34e-05	-8.28e-05	2.69e-04
101	10	-0.18	-0.94	-0.32	1.72e-03	1.23e-04	-3.59e-04
101	11	0.18	-0.85	-0.29	1.55e-03	-1.13e-04	3.34e-04
101	12	0.09	-0.09	0.15	0.0	-1.99e-06	0.0
101	13	3.43e-04	-9.16	-2.56	0.02	-1.89e-03	-1.60e-04
102	1	1.32e-05	0.04	-0.04	-1.03e-04	-2.71e-04	8.07e-05
102	2	4.75e-05	-0.11	-0.20	-6.23e-05	-7.73e-04	2.00e-04
102	3	9.30e-05	-0.22	-0.39	-1.22e-04	-1.51e-03	3.91e-04
102	4	-4.09	0.28	0.09	-5.13e-04	-2.51e-04	8.23e-04
102	5	-4.09	0.28	0.09	-5.13e-04	-2.51e-04	8.23e-04
102	6	-0.57	-3.08	-1.04	5.60e-03	3.18e-04	-8.96e-04
102	7	0.57	-2.55	-0.86	4.63e-03	-4.08e-04	1.13e-03
102	8	-1.30	0.09	0.03	-1.63e-04	-7.97e-05	2.62e-04
102	9	-1.30	0.09	0.03	-1.63e-04	-7.97e-05	2.62e-04
102	10	-0.18	-0.98	-0.33	1.79e-03	1.02e-04	-2.87e-04
102	11	0.18	-0.81	-0.27	1.48e-03	-1.31e-04	3.60e-04
102	12	0.17	-0.09	0.15	0.0	0.0	0.0
102	13	3.31e-04	-9.10	-2.53	0.02	1.61e-03	5.70e-04
103	1	1.27e-05	0.09	0.03	-1.57e-04	-2.54e-04	7.35e-05
103	2	3.96e-05	9.99e-03	-0.02	-1.62e-04	-6.81e-04	1.95e-04
103	3	7.75e-05	0.02	-0.03	-3.16e-04	-1.33e-03	3.82e-04
103	4	-4.09	0.40	0.13	-7.38e-04	-3.19e-04	8.71e-04
103	5	-4.09	0.40	0.13	-7.38e-04	-3.19e-04	8.71e-04
103	6	-0.57	-3.12	-1.06	5.75e-03	2.88e-04	-7.97e-04
103	7	0.57	-2.37	-0.80	4.38e-03	-3.64e-04	9.95e-04
103	8	-1.30	0.13	0.04	-2.35e-04	-1.01e-04	2.77e-04
103	9	-1.30	0.13	0.04	-2.35e-04	-1.01e-04	2.77e-04
103	10	-0.18	-0.99	-0.34	1.83e-03	9.23e-05	-2.56e-04
103	11	0.18	-0.75	-0.26	1.40e-03	-1.16e-04	3.18e-04
103	12	0.25	-0.09	0.15	0.0	4.41e-06	3.05e-06
103	13	3.18e-04	-8.97	-2.87	0.02	1.39e-03	4.90e-04
104	1	1.23e-05	0.09	0.04	-2.43e-04	-7.06e-05	-1.41e-05
104	2	3.77e-05	0.01	-2.23e-03	-2.76e-04	-1.84e-04	-3.72e-05
104	3	7.37e-05	0.03	-4.37e-03	-5.39e-04	-3.59e-04	-7.28e-05
104	4	-4.09	0.42	0.14	-7.80e-04	-3.99e-04	1.13e-03
104	5	-4.09	0.42	0.14	-7.80e-04	-3.99e-04	1.13e-03
104	6	-0.57	-3.14	-1.06	5.73e-03	2.86e-04	-7.73e-04
104	7	0.57	-2.35	-0.80	4.29e-03	-3.06e-04	7.76e-04
104	8	-1.30	0.14	0.05	-2.48e-04	-1.27e-04	3.60e-04
104	9	-1.30	0.14	0.05	-2.48e-04	-1.27e-04	3.60e-04
104	10	-0.18	-1.00	-0.34	1.82e-03	9.14e-05	-2.46e-04
104	11	0.18	-0.75	-0.25	1.37e-03	-9.77e-05	2.47e-04
104	12	0.27	-0.09	0.15	1.25e-06	7.67e-06	-4.98e-06

104	13	3.16e-04	-8.96	-2.90	0.02	3.76e-04	9.40e-05
105	1	1.19e-05	0.09	0.04	-1.58e-04	1.09e-04	-9.32e-05
105	2	3.59e-05	8.16e-03	-4.72e-03	-1.68e-04	3.01e-04	-2.48e-04
105	3	7.03e-05	0.02	-9.23e-03	-3.29e-04	5.89e-04	-4.85e-04
105	4	-4.09	0.45	0.16	-8.35e-04	-3.32e-04	9.04e-04
105	5	-4.09	0.45	0.16	-8.35e-04	-3.32e-04	9.04e-04
105	6	-0.57	-3.16	-1.07	5.81e-03	3.32e-04	-9.72e-04
105	7	0.57	-2.34	-0.79	4.29e-03	-3.17e-04	8.62e-04
105	8	-1.30	0.14	0.05	-2.66e-04	-1.06e-04	2.87e-04
105	9	-1.30	0.14	0.05	-2.66e-04	-1.06e-04	2.87e-04
105	10	-0.18	-1.01	-0.34	1.85e-03	1.06e-04	-3.13e-04
105	11	0.18	-0.75	-0.25	1.37e-03	-1.01e-04	2.77e-04
105	12	0.28	-0.09	0.15	1.91e-06	4.09e-06	2.98e-06
105	13	3.16e-04	-8.96	-2.90	0.02	-6.92e-04	5.93e-05
106	1	1.15e-05	0.04	-9.48e-03	-1.08e-04	1.80e-04	-8.28e-05
106	2	2.86e-05	-0.11	-0.13	-1.03e-04	5.39e-04	-2.05e-04
106	3	5.60e-05	-0.22	-0.26	-2.02e-04	1.05e-03	-4.01e-04
106	4	-4.09	0.58	0.20	-1.06e-03	-2.55e-04	8.31e-04
106	5	-4.09	0.58	0.20	-1.06e-03	-2.55e-04	8.31e-04
106	6	-0.57	-3.31	-1.11	5.99e-03	3.32e-04	-9.72e-04
106	7	0.57	-2.26	-0.76	4.10e-03	-3.41e-04	9.78e-04
106	8	-1.30	0.18	0.06	-3.36e-04	-8.11e-05	2.64e-04
106	9	-1.30	0.18	0.06	-3.36e-04	-8.11e-05	2.64e-04
106	10	-0.18	-1.05	-0.35	1.91e-03	1.06e-04	-3.14e-04
106	11	0.18	-0.72	-0.24	1.31e-03	-1.09e-04	3.14e-04
106	12	0.36	-0.09	0.15	2.12e-06	-1.46e-06	-1.08e-06
106	13	3.10e-04	-8.87	-2.61	0.02	-1.39e-03	3.54e-04
107	1	1.13e-05	0.04	-1.48e-03	-1.20e-04	-2.55e-04	1.04e-04
107	2	2.20e-05	-0.10	-0.11	-1.49e-04	-7.27e-04	2.64e-04
107	3	4.31e-05	-0.20	-0.22	-2.92e-04	-1.42e-03	5.16e-04
107	4	-4.09	0.68	0.23	-1.25e-03	-2.23e-04	7.73e-04
107	5	-4.09	0.68	0.23	-1.25e-03	-2.23e-04	7.73e-04
107	6	-0.57	-3.36	-1.13	6.10e-03	-2.57e-04	7.98e-04
107	7	0.57	-2.13	-0.72	3.90e-03	-3.81e-04	1.11e-03
107	8	-1.30	0.22	0.07	-3.97e-04	-7.10e-05	2.46e-04
107	9	-1.30	0.22	0.07	-3.97e-04	-7.10e-05	2.46e-04
107	10	-0.18	-1.07	-0.36	1.95e-03	-8.23e-05	2.62e-04
107	11	0.18	-0.68	-0.23	1.24e-03	-1.21e-04	3.60e-04
107	12	0.44	-0.09	0.15	0.0	-2.27e-06	-1.86e-06
107	13	3.03e-04	-8.69	-2.60	0.02	1.30e-03	9.11e-04
108	1	1.08e-05	0.10	0.04	-1.83e-04	2.66e-05	1.40e-04
108	2	1.45e-05	0.04	0.01	-2.63e-04	6.54e-05	3.72e-04
108	3	2.84e-05	0.08	0.02	-5.14e-04	1.28e-04	7.29e-04
108	4	-4.09	0.77	0.26	-1.44e-03	-2.83e-04	8.48e-04
108	5	-4.09	0.77	0.26	-1.44e-03	-2.83e-04	8.48e-04
108	6	-0.57	-3.34	-1.13	6.15e-03	-2.32e-04	7.29e-04
108	7	0.57	-1.97	-0.67	3.67e-03	-3.40e-04	9.64e-04
108	8	-1.30	0.25	0.08	-4.57e-04	-8.99e-05	2.70e-04
108	9	-1.30	0.25	0.08	-4.57e-04	-8.99e-05	2.70e-04
108	10	-0.18	-1.06	-0.36	1.96e-03	-7.48e-05	2.39e-04
108	11	0.18	-0.63	-0.21	1.17e-03	-1.09e-04	3.11e-04
108	12	0.52	-0.09	0.15	0.0	1.08e-06	4.34e-06
108	13	2.96e-04	-8.50	-2.76	0.02	-5.95e-04	2.74e-04
109	1	1.04e-05	0.10	0.04	-2.78e-04	2.81e-04	5.99e-05
109	2	1.26e-05	0.05	-1.98e-03	-3.93e-04	7.50e-04	1.59e-04
109	3	2.47e-05	0.10	-3.87e-03	-7.70e-04	1.47e-03	3.11e-04
109	4	-4.09	0.80	0.27	-1.47e-03	-3.64e-04	1.14e-03
109	5	-4.09	0.80	0.27	-1.47e-03	-3.64e-04	1.14e-03
109	6	-0.57	-3.36	-1.13	6.10e-03	2.44e-04	-7.76e-04
109	7	0.57	-1.95	-0.67	3.60e-03	-2.94e-04	7.76e-04
109	8	-1.30	0.26	0.09	-4.66e-04	-1.16e-04	3.62e-04
109	9	-1.30	0.26	0.09	-4.66e-04	-1.16e-04	3.62e-04
109	10	-0.18	-1.07	-0.36	1.94e-03	7.92e-05	-2.47e-04
109	11	0.18	-0.62	-0.21	1.15e-03	-9.40e-05	2.47e-04
109	12	0.54	-0.09	0.15	0.0	6.14e-06	-1.16e-05
109	13	2.95e-04	-8.50	-2.72	0.02	-2.02e-03	-3.92e-04
110	1	9.57e-06	0.10	0.02	-1.78e-04	5.31e-04	-4.32e-05
110	2	9.63e-06	0.05	-0.04	-2.40e-04	1.42e-03	-1.11e-04
110	3	1.88e-05	0.10	-0.07	-4.70e-04	2.77e-03	-2.17e-04
110	4	-4.09	0.83	0.28	-1.52e-03	-2.95e-04	9.13e-04
110	5	-4.09	0.83	0.28	-1.52e-03	-2.95e-04	9.13e-04
110	6	-0.57	-3.38	-1.14	6.17e-03	2.63e-04	-8.27e-04
110	7	0.57	-1.95	-0.66	3.59e-03	-3.09e-04	8.32e-04
110	8	-1.30	0.26	0.09	-4.83e-04	-9.38e-05	2.90e-04
110	9	-1.30	0.26	0.09	-4.83e-04	-9.38e-05	2.90e-04
110	10	-0.18	-1.07	-0.36	1.96e-03	8.51e-05	-2.65e-04

110	11	0.18	-0.62	-0.21	1.15e-03	-9.92e-05	2.65e-04
110	12	0.55	-0.09	0.15	1.13e-06	-2.37e-06	4.56e-06
110	13	3.00e-04	-8.51	-2.63	0.02	-3.61e-03	4.64e-05
111	1	6.83e-06	0.05	-0.10	-8.91e-05	6.33e-04	-8.18e-05
111	2	-3.71e-06	-0.08	-0.38	-2.64e-06	1.71e-03	-1.97e-04
111	3	-7.26e-06	-0.16	-0.74	-5.16e-06	3.34e-03	-3.85e-04
111	4	-4.09	0.95	0.32	-1.69e-03	-2.07e-04	8.16e-04
111	5	-4.09	0.95	0.32	-1.69e-03	-2.07e-04	8.16e-04
111	6	-0.57	-3.45	-1.16	6.20e-03	-2.34e-04	-6.81e-04
111	7	0.57	-1.87	-0.63	3.41e-03	-3.34e-04	9.17e-04
111	8	-1.30	0.30	0.10	-5.38e-04	-6.59e-05	2.59e-04
111	9	-1.30	0.30	0.10	-5.38e-04	-6.59e-05	2.59e-04
111	10	-0.18	-1.10	-0.37	1.97e-03	-7.60e-05	-2.20e-04
111	11	0.18	-0.59	-0.20	1.09e-03	-1.08e-04	2.94e-04
111	12	0.63	-0.09	0.15	-4.67e-06	-1.35e-05	-2.02e-06
111	13	3.22e-04	-8.21	-1.76	0.01	-4.51e-03	1.09e-03
112	1	4.42e-06	0.04	-0.14	-5.60e-05	-2.82e-04	2.29e-06
112	2	-1.60e-05	-0.12	-0.47	1.61e-04	-8.82e-04	-1.09e-05
112	3	-3.13e-05	-0.23	-0.91	3.14e-04	-1.72e-03	-2.13e-05
112	4	-4.09	1.03	0.34	-1.83e-03	-1.90e-04	7.21e-04
112	5	-4.09	1.03	0.34	-1.83e-03	-1.90e-04	7.21e-04
112	6	-0.57	-3.41	-1.15	6.14e-03	-2.38e-04	6.39e-04
112	7	0.57	-1.74	-0.59	3.20e-03	-3.75e-04	9.94e-04
112	8	-1.30	0.33	0.11	-5.81e-04	-6.03e-05	2.29e-04
112	9	-1.30	0.33	0.11	-5.81e-04	-6.03e-05	2.29e-04
112	10	-0.18	-1.08	-0.36	1.95e-03	-7.98e-05	2.16e-04
112	11	0.18	-0.56	-0.19	1.02e-03	-1.22e-04	3.21e-04
112	12	0.71	-0.09	0.15	-1.29e-05	-3.39e-06	0.0
112	13	3.42e-04	-7.70	-1.42	0.01	1.44e-03	2.34e-03
113	1	1.81e-06	0.05	-0.02	-1.32e-04	-9.89e-04	-1.05e-04
113	2	-2.90e-05	-0.07	-0.12	9.44e-05	-2.74e-03	-3.01e-04
113	3	-5.67e-05	-0.14	-0.24	1.85e-04	-5.36e-03	-5.88e-04
113	4	-4.09	1.10	0.36	-1.98e-03	-3.43e-04	7.96e-04
113	5	-4.09	1.10	0.36	-1.98e-03	-3.43e-04	7.96e-04
113	6	-0.57	-3.30	-1.11	5.98e-03	-3.01e-04	5.80e-04
113	7	0.57	-1.61	-0.54	2.96e-03	-3.75e-04	8.82e-04
113	8	-1.30	0.35	0.12	-6.30e-04	-1.09e-04	2.53e-04
113	9	-1.30	0.35	0.12	-6.30e-04	-1.09e-04	2.53e-04
113	10	-0.18	-1.05	-0.35	1.90e-03	-1.07e-04	1.92e-04
113	11	0.18	-0.51	-0.17	9.41e-04	-1.24e-04	2.82e-04
113	12	0.79	-0.09	0.15	-7.09e-06	2.91e-05	1.38e-05
113	13	3.59e-04	-7.09	-2.08	0.01	6.16e-03	2.26e-03
114	1	1.09e-06	0.05	0.01	-2.04e-04	-9.94e-04	-2.09e-04
114	2	-3.18e-05	-0.09	-0.03	4.09e-05	-2.75e-03	-5.76e-04
114	3	-6.21e-05	-0.17	-0.06	8.00e-05	-5.38e-03	-1.13e-03
114	4	-4.08	1.13	0.38	-2.01e-03	-4.67e-04	1.14e-03
114	5	-4.08	1.13	0.38	-2.01e-03	-4.67e-04	1.14e-03
114	6	-0.57	-3.31	-1.10	5.91e-03	3.18e-04	-7.97e-04
114	7	0.57	-1.61	-0.54	2.89e-03	-3.48e-04	7.77e-04
114	8	-1.30	0.36	0.12	-6.38e-04	-1.48e-04	3.62e-04
114	9	-1.30	0.36	0.12	-6.38e-04	-1.48e-04	3.62e-04
114	10	-0.18	-1.05	-0.35	1.88e-03	1.16e-04	-2.54e-04
114	11	0.18	-0.51	-0.17	9.19e-04	-1.17e-04	2.47e-04
114	12	0.81	-0.09	0.15	-2.79e-06	4.50e-05	-1.18e-05
114	13	3.63e-04	-7.02	-2.29	0.01	6.51e-03	1.42e-03
115	1	-1.27e-04	0.05	-6.92e-03	-2.16e-04	9.77e-04	2.11e-04
115	2	-9.77e-05	-0.09	-0.03	2.44e-05	2.78e-03	5.99e-04
115	3	-1.91e-04	-0.17	-0.06	4.77e-05	5.44e-03	1.17e-03
115	4	-4.20	-1.17	-0.18	1.92e-03	-3.26e-04	1.22e-03
115	5	-4.20	-1.17	-0.18	1.92e-03	-3.26e-04	1.22e-03
115	6	0.54	-1.67	-0.26	2.76e-03	-1.57e-04	-7.88e-04
115	7	-0.54	-3.44	-0.54	5.66e-03	-2.25e-04	7.93e-04
115	8	-1.33	-0.37	-0.06	6.11e-04	-1.04e-04	3.89e-04
115	9	-1.33	-0.37	-0.06	6.11e-04	-1.04e-04	3.89e-04
115	10	0.17	-0.53	-0.08	8.78e-04	-5.43e-05	-2.51e-04
115	11	-0.17	-1.09	-0.17	1.80e-03	-7.96e-05	2.52e-04
115	12	-0.81	-0.05	0.16	-2.50e-06	-2.49e-05	0.0
115	13	3.09e-04	-7.29	-1.09	0.01	-7.00e-03	-1.47e-03
116	1	-6.62e-05	0.11	5.41e-03	-3.35e-04	-2.72e-04	-5.74e-05
116	2	-3.80e-05	0.06	-0.04	-4.11e-04	-7.19e-04	-1.52e-04
116	3	-7.44e-05	0.12	-0.09	-8.04e-04	-1.41e-03	-2.98e-04
116	4	-4.20	-0.83	-0.13	1.40e-03	-2.47e-04	1.25e-03
116	5	-4.20	-0.83	-0.13	1.40e-03	-2.47e-04	1.25e-03
116	6	0.54	-2.03	-0.32	3.41e-03	1.29e-04	-7.85e-04
116	7	-0.54	-3.48	-0.55	5.81e-03	-1.48e-04	7.90e-04
116	8	-1.33	-0.26	-0.04	4.44e-04	-7.87e-05	3.96e-04

116	9	-1.33	-0.26	-0.04	4.44e-04	-7.87e-05	3.96e-04
116	10	0.17	-0.64	-0.10	1.08e-03	4.22e-05	-2.50e-04
116	11	-0.17	-1.11	-0.18	1.85e-03	-4.89e-05	2.51e-04
116	12	-0.54	-0.05	0.16	0.0	-1.75e-06	4.99e-06
116	13	1.18e-04	-8.83	-1.23	0.01	1.68e-03	3.79e-04
117	1	-6.14e-05	0.09	7.94e-03	-2.99e-04	6.64e-05	1.50e-05
117	2	-5.27e-05	0.02	-0.03	-3.02e-04	1.70e-04	3.79e-05
117	3	-1.03e-04	0.04	-0.06	-5.91e-04	3.33e-04	7.41e-05
117	4	-4.20	-0.44	-0.07	7.41e-04	-2.76e-04	1.24e-03
117	5	-4.20	-0.44	-0.07	7.41e-04	-2.76e-04	1.24e-03
117	6	0.54	-2.44	-0.39	4.08e-03	1.19e-04	-7.86e-04
117	7	-0.54	-3.25	-0.52	5.44e-03	-1.21e-04	7.89e-04
117	8	-1.33	-0.14	-0.02	2.36e-04	-8.77e-05	3.94e-04
117	9	-1.33	-0.14	-0.02	2.36e-04	-8.77e-05	3.94e-04
117	10	0.17	-0.78	-0.12	1.30e-03	3.85e-05	-2.50e-04
117	11	-0.17	-1.03	-0.16	1.73e-03	-3.89e-05	2.51e-04
117	12	-0.27	-0.05	0.16	1.20e-06	-4.27e-06	2.06e-06
117	13	1.40e-04	-9.30	-1.35	0.02	-4.49e-04	-8.67e-05
118	1	-5.31e-05	0.10	4.43e-03	-3.09e-04	0.0	0.0
118	2	-5.71e-05	0.03	-0.04	-3.25e-04	0.0	1.14e-06
118	3	-1.12e-04	0.05	-0.08	-6.36e-04	0.0	2.23e-06
118	4	-4.20	-1.70e-03	2.71e-04	-2.84e-06	-2.67e-04	1.24e-03
118	5	-4.20	-1.70e-03	2.71e-04	-2.84e-06	-2.67e-04	1.24e-03
118	6	0.54	-2.87	-0.46	4.81e-03	1.16e-04	-7.86e-04
118	7	-0.54	-2.87	-0.46	4.81e-03	-1.17e-04	7.89e-04
118	8	-1.33	-5.40e-04	8.60e-05	0.0	-8.48e-05	3.95e-04
118	9	-1.33	-5.40e-04	8.60e-05	0.0	-8.48e-05	3.95e-04
118	10	0.17	-0.91	-0.15	1.53e-03	3.78e-05	-2.50e-04
118	11	-0.17	-0.91	-0.15	1.53e-03	-3.80e-05	2.51e-04
118	12	1.40e-06	-0.05	0.16	1.58e-06	0.0	0.0
118	13	1.30e-04	-9.47	-1.35	0.02	0.0	2.35e-06
119	1	-4.46e-05	0.09	7.94e-03	-2.99e-04	-6.70e-05	-1.39e-05
119	2	-6.13e-05	0.02	-0.03	-3.02e-04	-1.70e-04	-3.56e-05
119	3	-1.20e-04	0.04	-0.06	-5.91e-04	-3.33e-04	-6.96e-05
119	4	-4.20	0.44	0.07	-7.41e-04	-2.76e-04	1.24e-03
119	5	-4.20	0.44	0.07	-7.41e-04	-2.76e-04	1.24e-03
119	6	0.54	-3.26	-0.52	5.44e-03	1.20e-04	-7.86e-04
119	7	-0.54	-2.44	-0.39	4.07e-03	-1.19e-04	7.89e-04
119	8	-1.33	0.14	0.02	-2.36e-04	-8.77e-05	3.94e-04
119	9	-1.33	0.14	0.02	-2.36e-04	-8.77e-05	3.94e-04
119	10	0.17	-1.04	-0.16	1.73e-03	3.86e-05	-2.50e-04
119	11	-0.17	-0.78	-0.12	1.30e-03	-3.86e-05	2.51e-04
119	12	0.27	-0.05	0.16	1.20e-06	4.27e-06	-2.08e-06
119	13	1.20e-04	-9.29	-1.35	0.02	4.47e-04	9.14e-05
120	1	-4.00e-05	0.11	5.40e-03	-3.35e-04	2.72e-04	5.85e-05
120	2	-7.63e-05	0.06	-0.04	-4.11e-04	7.19e-04	1.55e-04
120	3	-1.49e-04	0.12	-0.09	-8.03e-04	1.41e-03	3.02e-04
120	4	-4.20	0.83	0.13	-1.40e-03	-2.47e-04	1.25e-03
120	5	-4.20	0.83	0.13	-1.40e-03	-2.47e-04	1.25e-03
120	6	0.54	-3.48	-0.55	5.81e-03	1.48e-04	-7.87e-04
120	7	-0.54	-2.03	-0.32	3.40e-03	-1.29e-04	7.88e-04
120	8	-1.33	0.26	0.04	-4.44e-04	-7.87e-05	3.96e-04
120	9	-1.33	0.26	0.04	-4.44e-04	-7.87e-05	3.96e-04
120	10	0.17	-1.11	-0.18	1.85e-03	4.87e-05	-2.50e-04
120	11	-0.17	-0.64	-0.10	1.08e-03	-4.21e-05	2.51e-04
120	12	0.54	-0.05	0.16	0.0	1.76e-06	-5.01e-06
120	13	1.42e-04	-8.82	-1.23	0.01	-1.69e-03	-3.75e-04
121	1	2.26e-05	0.05	-6.93e-03	-2.16e-04	-9.78e-04	-2.10e-04
121	2	-1.38e-05	-0.09	-0.03	2.53e-05	-2.78e-03	-5.96e-04
121	3	-2.69e-05	-0.17	-0.06	4.95e-05	-5.44e-03	-1.17e-03
121	4	-4.20	1.17	0.18	-1.92e-03	-3.26e-04	1.22e-03
121	5	-4.20	1.17	0.18	-1.92e-03	-3.26e-04	1.22e-03
121	6	0.54	-3.43	-0.54	5.65e-03	2.24e-04	-7.90e-04
121	7	-0.54	-1.67	-0.26	2.76e-03	1.58e-04	7.92e-04
121	8	-1.33	0.37	0.06	-6.11e-04	-1.04e-04	3.89e-04
121	9	-1.33	0.37	0.06	-6.11e-04	-1.04e-04	3.89e-04
121	10	0.17	-1.09	-0.17	1.80e-03	7.90e-05	-2.51e-04
121	11	-0.17	-0.53	-0.08	8.77e-04	5.47e-05	2.52e-04
121	12	0.81	-0.05	0.16	-2.50e-06	2.49e-05	0.0
121	13	-5.64e-05	-7.28	-1.09	0.01	7.00e-03	1.48e-03
122	1	-1.52e-04	0.06	-0.02	-9.72e-05	9.63e-04	2.01e-04
122	2	-1.89e-04	-0.09	-0.02	1.38e-04	2.82e-03	5.89e-04
122	3	-3.70e-04	-0.17	-0.04	2.70e-04	5.51e-03	1.15e-03
122	4	-4.31	-1.21	1.76e-03	1.89e-03	-1.60e-04	1.18e-03
122	5	-4.31	-1.21	1.76e-03	1.89e-03	-1.60e-04	1.18e-03
122	6	0.51	-1.73	2.86e-03	2.71e-03	-1.77e-04	-8.24e-04

122	7	-0.51	-3.55	5.67e-03	5.56e-03	-2.75e-04	7.66e-04
122	8	-1.37	-0.38	5.61e-04	6.01e-04	-5.09e-05	3.76e-04
122	9	-1.37	-0.38	5.61e-04	6.01e-04	-5.09e-05	3.76e-04
122	10	0.16	-0.55	9.29e-04	8.62e-04	-5.96e-05	-2.62e-04
122	11	-0.16	-1.13	1.82e-03	1.77e-03	-8.94e-05	2.44e-04
122	12	-0.81	1.69e-03	0.17	-2.47e-06	-6.85e-06	-1.74e-06
122	13	-2.20e-05	-7.54	0.06	0.01	-7.46e-03	-1.61e-03
123	1	-1.51e-04	0.06	-0.05	-1.04e-04	9.59e-04	8.54e-05
123	2	-1.88e-04	-0.07	-0.11	1.17e-04	2.81e-03	3.08e-04
123	3	-3.68e-04	-0.15	-0.22	2.28e-04	5.49e-03	6.02e-04
123	4	-4.31	-1.18	5.36e-03	1.86e-03	-9.79e-05	9.03e-04
123	5	-4.31	-1.18	5.36e-03	1.86e-03	-9.79e-05	9.03e-04
123	6	0.51	-1.73	6.84e-03	2.75e-03	-1.24e-04	-9.38e-04
123	7	-0.51	-3.54	0.01	5.58e-03	-1.79e-04	-5.76e-04
123	8	-1.37	-0.37	1.70e-03	5.93e-04	-3.12e-05	2.87e-04
123	9	-1.37	-0.37	1.70e-03	5.93e-04	-3.12e-05	2.87e-04
123	10	0.16	-0.55	2.24e-03	8.73e-04	-4.26e-05	-3.00e-04
123	11	-0.16	-1.13	3.90e-03	1.77e-03	-5.84e-05	-1.88e-04
123	12	-0.79	1.63e-03	0.17	-2.49e-06	-6.53e-06	-1.87e-06
123	13	-2.46e-05	-7.60	0.30	0.01	-7.12e-03	-2.41e-03
124	1	-1.45e-04	0.04	-0.17	-1.36e-04	3.04e-04	4.13e-06
124	2	-1.82e-04	-0.11	-0.47	2.84e-05	1.01e-03	4.05e-05
124	3	-3.57e-04	-0.22	-0.92	5.55e-05	1.98e-03	7.93e-05
124	4	-4.31	-1.10	5.42e-03	1.75e-03	-4.10e-05	7.74e-04
124	5	-4.31	-1.10	5.42e-03	1.75e-03	-4.10e-05	7.74e-04
124	6	0.51	-1.87	-0.01	2.98e-03	-5.42e-05	-1.06e-03
124	7	-0.51	-3.65	-0.01	5.75e-03	-5.50e-05	-6.71e-04
124	8	-1.37	-0.35	1.72e-03	5.57e-04	-1.30e-05	2.46e-04
124	9	-1.37	-0.35	1.72e-03	5.57e-04	-1.30e-05	2.46e-04
124	10	0.16	-0.60	-5.31e-03	9.47e-04	-1.96e-05	-3.42e-04
124	11	-0.16	-1.16	-5.09e-03	1.83e-03	-1.89e-05	-2.25e-04
124	12	-0.71	8.21e-04	0.17	-1.85e-06	-2.20e-06	-2.75e-06
124	13	-4.07e-05	-8.25	1.11	0.01	-2.48e-03	-2.55e-03
125	1	-1.40e-04	0.06	-0.15	-1.61e-04	-5.42e-04	9.70e-05
125	2	-1.77e-04	-0.07	-0.42	-3.68e-05	-1.48e-03	2.37e-04
125	3	-3.46e-04	-0.14	-0.81	-7.20e-05	-2.90e-03	4.64e-04
125	4	-4.31	-1.02	1.42e-03	1.59e-03	-2.76e-05	8.74e-04
125	5	-4.31	-1.02	1.42e-03	1.59e-03	-2.76e-05	8.74e-04
125	6	0.51	-2.00	-0.02	3.15e-03	-4.41e-05	-9.82e-04
125	7	-0.51	-3.70	-0.02	5.77e-03	-5.46e-05	7.24e-04
125	8	-1.37	-0.32	4.63e-04	5.06e-04	-8.79e-06	2.78e-04
125	9	-1.37	-0.32	4.63e-04	5.06e-04	-8.79e-06	2.78e-04
125	10	0.16	-0.64	-6.01e-03	1.00e-03	-1.48e-05	-3.16e-04
125	11	-0.16	-1.18	-6.28e-03	1.84e-03	-1.83e-05	2.34e-04
125	12	-0.63	6.07e-05	0.17	0.0	2.21e-06	-1.76e-06
125	13	-5.76e-05	-8.80	0.96	0.01	3.38e-03	-1.31e-03
126	1	-1.34e-04	0.11	-0.03	-1.75e-04	-4.92e-04	8.06e-05
126	2	-1.71e-04	0.07	-0.10	-7.01e-05	-1.32e-03	1.73e-04
126	3	-3.35e-04	0.13	-0.20	-1.37e-04	-2.58e-03	3.39e-04
126	4	-4.31	-0.89	-1.71e-03	1.40e-03	-5.73e-05	1.01e-03
126	5	-4.31	-0.89	-1.71e-03	1.40e-03	-5.73e-05	1.01e-03
126	6	0.51	-2.09	5.38e-03	3.29e-03	-1.09e-04	-8.97e-04
126	7	-0.51	-3.62	6.46e-03	5.68e-03	-1.16e-04	8.67e-04
126	8	-1.37	-0.28	-5.50e-04	4.45e-04	-1.83e-05	3.21e-04
126	9	-1.37	-0.28	-5.50e-04	4.45e-04	-1.83e-05	3.21e-04
126	10	0.16	-0.66	1.98e-03	1.05e-03	-3.72e-05	-2.86e-04
126	11	-0.16	-1.15	2.24e-03	1.81e-03	-3.92e-05	2.77e-04
126	12	-0.55	-4.80e-04	0.17	0.0	2.71e-06	0.0
126	13	-7.65e-05	-9.13	0.26	0.01	2.87e-03	-2.98e-04
127	1	-1.33e-04	0.11	-0.02	-1.77e-04	-2.63e-04	-5.48e-05
127	2	-1.71e-04	0.07	-0.07	-6.98e-05	-6.90e-04	-1.44e-04
127	3	-3.34e-04	0.13	-0.14	-1.37e-04	-1.35e-03	-2.82e-04
127	4	-4.31	-0.86	1.84e-03	1.37e-03	-1.06e-04	1.19e-03
127	5	-4.31	-0.86	1.84e-03	1.37e-03	-1.06e-04	1.19e-03
127	6	0.51	-2.10	4.80e-03	3.34e-03	-1.36e-04	-8.34e-04
127	7	-0.51	-3.60	7.12e-03	5.70e-03	-1.37e-04	8.10e-04
127	8	-1.37	-0.27	5.84e-04	4.35e-04	-3.39e-05	3.77e-04
127	9	-1.37	-0.27	5.84e-04	4.35e-04	-3.39e-05	3.77e-04
127	10	0.16	-0.67	1.65e-03	1.06e-03	-4.54e-05	-2.65e-04
127	11	-0.16	-1.14	2.33e-03	1.81e-03	-4.53e-05	2.58e-04
127	12	-0.54	-4.84e-04	0.17	0.0	2.13e-06	0.0
127	13	-7.88e-05	-9.13	0.19	0.01	1.38e-03	2.57e-04
128	1	-1.33e-04	0.11	-0.02	-1.78e-04	-3.88e-05	-1.64e-04
128	2	-1.71e-04	0.06	-0.06	-7.77e-05	-7.13e-05	-3.99e-04
128	3	-3.34e-04	0.11	-0.12	-1.52e-04	-1.40e-04	-7.81e-04
128	4	-4.31	-0.83	3.68e-03	1.33e-03	-5.44e-05	9.47e-04

128	5	-4.31	-0.83	3.68e-03	1.33e-03	-5.44e-05	9.47e-04
128	6	0.51	-2.11	6.72e-03	3.35e-03	-7.99e-05	-1.03e-03
128	7	-0.51	-3.58	9.09e-03	5.66e-03	-8.28e-05	-7.73e-04
128	8	-1.37	-0.26	1.17e-03	4.22e-04	-1.74e-05	3.01e-04
128	9	-1.37	-0.26	1.17e-03	4.22e-04	-1.74e-05	3.01e-04
128	10	0.16	-0.67	2.21e-03	1.07e-03	-2.68e-05	-3.31e-04
128	11	-0.16	-1.14	2.94e-03	1.80e-03	-2.74e-05	-2.52e-04
128	12	-0.52	-4.73e-04	0.17	0.0	1.74e-06	0.0
128	13	-7.95e-05	-9.13	0.16	0.01	1.09e-04	-2.76e-04
129	1	-1.28e-04	0.05	-0.05	-1.79e-04	2.10e-04	-1.11e-04
129	2	-1.68e-04	-0.09	-0.17	-8.43e-05	6.40e-04	-2.78e-04
129	3	-3.29e-04	-0.18	-0.34	-1.65e-04	1.25e-03	-5.44e-04
129	4	-4.31	-0.73	-1.96e-03	1.15e-03	-3.37e-05	8.35e-04
129	5	-4.31	-0.73	-1.96e-03	1.15e-03	-3.37e-05	8.35e-04
129	6	0.51	-2.28	-0.02	3.57e-03	-3.95e-05	-1.18e-03
129	7	-0.51	-3.60	-0.02	5.62e-03	4.22e-05	-8.47e-04
129	8	-1.37	-0.23	-6.27e-04	3.67e-04	-1.08e-05	2.65e-04
129	9	-1.37	-0.23	-6.27e-04	3.67e-04	-1.08e-05	2.65e-04
129	10	0.16	-0.73	-6.22e-03	1.14e-03	-1.38e-05	-3.83e-04
129	11	-0.16	-1.15	-7.75e-03	1.79e-03	1.47e-05	-2.77e-04
129	12	-0.44	-5.30e-04	0.17	0.0	0.0	0.0
129	13	-9.03e-05	-9.33	0.37	0.01	-1.49e-03	-9.53e-04
130	1	-1.24e-04	0.05	-0.06	-1.72e-04	-1.66e-04	8.19e-05
130	2	-1.66e-04	-0.10	-0.18	-6.48e-05	-5.49e-04	1.96e-04
130	3	-3.25e-04	-0.20	-0.36	-1.27e-04	-1.07e-03	3.83e-04
130	4	-4.31	-0.62	-5.20e-03	9.66e-04	-4.72e-05	8.96e-04
130	5	-4.31	-0.62	-5.20e-03	9.66e-04	-4.72e-05	8.96e-04
130	6	0.51	-2.43	-0.02	3.77e-03	-6.22e-05	-1.05e-03
130	7	-0.51	-3.54	-0.02	5.52e-03	-5.39e-05	1.03e-03
130	8	-1.37	-0.20	-1.65e-03	3.07e-04	-1.50e-05	2.85e-04
130	9	-1.37	-0.20	-1.65e-03	3.07e-04	-1.50e-05	2.85e-04
130	10	0.16	-0.77	-6.62e-03	1.20e-03	-2.13e-05	-3.35e-04
130	11	-0.16	-1.13	-7.91e-03	1.75e-03	-1.89e-05	3.33e-04
130	12	-0.36	-6.26e-04	0.17	1.20e-06	0.0	0.0
130	13	-1.01e-04	-9.51	0.39	0.01	1.15e-03	-3.88e-04
131	1	-1.19e-04	0.10	-0.02	-1.63e-04	-1.07e-04	1.20e-04
131	2	-1.64e-04	0.02	-0.05	-3.46e-05	-3.23e-04	2.79e-04
131	3	-3.21e-04	0.04	-0.11	-6.77e-05	-6.32e-04	5.46e-04
131	4	-4.31	-0.49	-3.31e-03	7.63e-04	-8.60e-05	1.00e-03
131	5	-4.31	-0.49	-3.31e-03	7.63e-04	-8.60e-05	1.00e-03
131	6	0.51	-2.51	4.23e-03	3.94e-03	-1.04e-04	-9.33e-04
131	7	-0.51	-3.39	6.50e-03	5.34e-03	-7.98e-05	1.04e-03
131	8	-1.37	-0.15	-1.05e-03	2.43e-04	-2.74e-05	3.19e-04
131	9	-1.37	-0.15	-1.05e-03	2.43e-04	-2.74e-05	3.19e-04
131	10	0.16	-0.80	1.49e-03	1.25e-03	-3.42e-05	-2.99e-04
131	11	-0.16	-1.08	2.17e-03	1.70e-03	-2.71e-05	3.35e-04
131	12	-0.28	-7.36e-04	0.17	1.21e-06	-1.01e-06	0.0
131	13	-1.12e-04	-9.61	0.14	0.01	5.53e-04	-1.66e-04
132	1	-1.19e-04	0.10	-0.02	-1.61e-04	6.30e-05	1.36e-05
132	2	-1.64e-04	0.03	-0.05	-2.75e-05	1.57e-04	3.37e-05
132	3	-3.21e-04	0.05	-0.10	-5.38e-05	3.08e-04	6.59e-05
132	4	-4.31	-0.46	-7.57e-04	7.26e-04	-1.39e-04	1.18e-03
132	5	-4.31	-0.46	-7.57e-04	7.26e-04	-1.39e-04	1.18e-03
132	6	0.51	-2.52	5.06e-03	4.00e-03	-1.36e-04	-8.43e-04
132	7	-0.51	-3.37	6.40e-03	5.33e-03	-1.11e-04	8.37e-04
132	8	-1.37	-0.14	-2.41e-04	2.31e-04	-4.43e-05	3.76e-04
132	9	-1.37	-0.14	-2.41e-04	2.31e-04	-4.43e-05	3.76e-04
132	10	0.16	-0.80	1.70e-03	1.27e-03	-4.46e-05	-2.68e-04
132	11	-0.16	-1.07	2.12e-03	1.69e-03	-3.79e-05	2.66e-04
132	12	-0.27	-7.45e-04	0.17	1.19e-06	-1.04e-06	0.0
132	13	-1.13e-04	-9.61	0.14	0.01	-5.11e-04	-1.19e-04
133	1	-1.18e-04	0.10	-0.02	-1.61e-04	2.29e-04	-9.95e-05
133	2	-1.64e-04	0.02	-0.06	-2.87e-05	6.27e-04	-2.29e-04
133	3	-3.21e-04	0.04	-0.13	-5.62e-05	1.23e-03	-4.48e-04
133	4	-4.31	-0.43	3.33e-03	6.84e-04	-8.13e-05	9.72e-04
133	5	-4.31	-0.43	3.33e-03	6.84e-04	-8.13e-05	9.72e-04
133	6	0.51	-2.54	7.74e-03	4.02e-03	-9.45e-05	-1.06e-03
133	7	-0.51	-3.35	7.64e-03	5.28e-03	1.04e-04	8.63e-04
133	8	-1.37	-0.14	1.06e-03	2.17e-04	-2.59e-05	3.09e-04
133	9	-1.37	-0.14	1.06e-03	2.17e-04	-2.59e-05	3.09e-04
133	10	0.16	-0.81	2.60e-03	1.28e-03	-3.24e-05	-3.40e-04
133	11	-0.16	-1.06	2.63e-03	1.68e-03	3.70e-05	2.76e-04
133	12	-0.25	-7.53e-04	0.17	1.16e-06	0.0	0.0
133	13	-1.13e-04	-9.62	0.17	0.01	-1.47e-03	-4.20e-04
134	1	-1.14e-04	0.05	-0.08	-1.60e-04	2.47e-04	-8.31e-05
134	2	-1.63e-04	-0.10	-0.24	-3.13e-05	7.45e-04	-2.02e-04

134	3	-3.18e-04	-0.20	-0.47	-6.13e-05	1.46e-03	-3.95e-04
134	4	-4.31	-0.30	2.88e-03	4.81e-04	-4.27e-05	8.87e-04
134	5	-4.31	-0.30	2.88e-03	4.81e-04	-4.27e-05	8.87e-04
134	6	0.51	-2.73	-0.02	4.27e-03	6.43e-05	-1.20e-03
134	7	-0.51	-3.30	-0.02	5.15e-03	6.87e-05	9.63e-04
134	8	-1.37	-0.10	9.22e-04	1.53e-04	-1.36e-05	2.82e-04
134	9	-1.37	-0.10	9.22e-04	1.53e-04	-1.36e-05	2.82e-04
134	10	0.16	-0.87	-7.52e-03	1.36e-03	2.36e-05	-3.85e-04
134	11	-0.16	-1.05	-9.30e-03	1.64e-03	2.50e-05	3.08e-04
134	12	-0.17	-8.42e-04	0.17	1.19e-06	0.0	0.0
134	13	-1.22e-04	-9.75	0.53	0.01	-1.70e-03	-5.91e-04
135	1	-1.10e-04	0.05	-0.08	-1.60e-04	-2.48e-04	8.42e-05
135	2	-1.62e-04	-0.10	-0.24	-3.34e-05	-7.51e-04	2.07e-04
135	3	-3.16e-04	-0.20	-0.47	-6.53e-05	-1.47e-03	4.05e-04
135	4	-4.31	-0.17	-3.38e-03	2.67e-04	-4.43e-05	9.14e-04
135	5	-4.31	-0.17	-3.38e-03	2.67e-04	-4.43e-05	9.14e-04
135	6	0.51	-2.88	-0.02	4.48e-03	-4.73e-05	-1.09e-03
135	7	-0.51	-3.18	-0.02	4.97e-03	-3.69e-05	1.18e-03
135	8	-1.37	-0.05	-1.08e-03	8.50e-05	-1.41e-05	2.91e-04
135	9	-1.37	-0.05	-1.08e-03	8.50e-05	-1.41e-05	2.91e-04
135	10	0.16	-0.91	-7.44e-03	1.42e-03	-1.59e-05	-3.55e-04
135	11	-0.16	-1.01	-9.06e-03	1.58e-03	-1.35e-05	3.81e-04
135	12	-0.10	-9.10e-04	0.17	1.32e-06	0.0	0.0
135	13	-1.31e-04	-9.82	0.52	0.02	1.68e-03	1.30e-04
136	1	-1.06e-04	0.10	-0.02	-1.60e-04	-1.86e-04	1.12e-04
136	2	-1.60e-04	0.02	-0.07	-2.81e-05	-5.22e-04	2.61e-04
136	3	-3.14e-04	0.05	-0.14	-5.50e-05	-1.02e-03	5.11e-04
136	4	-4.31	-0.03	-3.42e-03	4.45e-05	-8.62e-05	9.95e-04
136	5	-4.31	-0.03	-3.42e-03	4.45e-05	-8.62e-05	9.95e-04
136	6	0.51	-2.95	4.85e-03	4.65e-03	-7.19e-05	-9.37e-04
136	7	-0.51	-2.99	8.01e-03	4.73e-03	-7.13e-05	1.09e-03
136	8	-1.37	-0.01	-1.09e-03	1.42e-05	-2.74e-05	3.16e-04
136	9	-1.37	-0.01	-1.09e-03	1.42e-05	-2.74e-05	3.16e-04
136	10	0.16	-0.94	1.69e-03	1.48e-03	-2.34e-05	-3.02e-04
136	11	-0.16	-0.95	2.73e-03	1.50e-03	-2.56e-05	3.48e-04
136	12	-0.02	-9.54e-04	0.17	1.42e-06	0.0	0.0
136	13	-1.40e-04	-9.80	0.18	0.01	1.12e-03	1.41e-04
137	1	-1.06e-04	0.10	-0.02	-1.60e-04	0.0	0.0
137	2	-1.60e-04	0.03	-0.06	-2.38e-05	0.0	0.0
137	3	-3.14e-04	0.06	-0.12	-4.65e-05	0.0	1.95e-06
137	4	-4.31	-1.76e-03	3.09e-06	2.79e-06	-1.44e-04	1.18e-03
137	5	-4.31	-1.76e-03	3.09e-06	2.79e-06	-1.44e-04	1.18e-03
137	6	0.51	-2.97	6.14e-03	4.71e-03	-8.87e-05	-8.45e-04
137	7	-0.51	-2.97	6.06e-03	4.71e-03	8.97e-05	8.48e-04
137	8	-1.37	-5.58e-04	0.0	0.0	-4.58e-05	3.77e-04
137	9	-1.37	-5.58e-04	0.0	0.0	-4.58e-05	3.77e-04
137	10	0.16	-0.94	2.07e-03	1.50e-03	-2.89e-05	-2.69e-04
137	11	-0.16	-0.94	2.04e-03	1.50e-03	2.93e-05	2.70e-04
137	12	1.92e-06	-9.56e-04	0.17	1.43e-06	0.0	0.0
137	13	-1.41e-04	-9.80	0.16	0.02	0.0	2.79e-06
138	1	-1.06e-04	0.10	-0.02	-1.60e-04	1.82e-04	-1.10e-04
138	2	-1.61e-04	0.02	-0.07	-2.81e-05	5.10e-04	-2.57e-04
138	3	-3.14e-04	0.05	-0.14	-5.50e-05	9.97e-04	-5.03e-04
138	4	-4.31	0.03	3.34e-03	-4.34e-05	-8.69e-05	9.97e-04
138	5	-4.31	0.03	3.34e-03	-4.34e-05	-8.69e-05	9.97e-04
138	6	0.51	-2.99	7.98e-03	4.73e-03	6.84e-05	-1.08e-03
138	7	-0.51	-2.95	4.68e-03	4.65e-03	7.09e-05	9.39e-04
138	8	-1.37	0.01	1.06e-03	-1.38e-05	-2.76e-05	3.17e-04
138	9	-1.37	0.01	1.06e-03	-1.38e-05	-2.76e-05	3.17e-04
138	10	0.16	-0.95	2.72e-03	1.51e-03	2.44e-05	-3.46e-04
138	11	-0.16	-0.94	1.62e-03	1.48e-03	2.29e-05	3.03e-04
138	12	0.02	-9.55e-04	0.17	1.42e-06	0.0	0.0
138	13	-1.41e-04	-9.80	0.18	0.01	-1.09e-03	-1.32e-04
139	1	-1.01e-04	0.05	-0.08	-1.60e-04	2.50e-04	-8.43e-05
139	2	-1.59e-04	-0.10	-0.24	-3.34e-05	7.57e-04	-2.07e-04
139	3	-3.11e-04	-0.20	-0.46	-6.53e-05	1.48e-03	-4.05e-04
139	4	-4.31	0.17	3.36e-03	-2.66e-04	-4.43e-05	9.14e-04
139	5	-4.31	0.17	3.36e-03	-2.66e-04	-4.43e-05	9.14e-04
139	6	0.51	-3.18	-0.02	4.97e-03	3.59e-05	-1.18e-03
139	7	-0.51	-2.87	-0.02	4.48e-03	4.69e-05	1.09e-03
139	8	-1.37	0.05	1.07e-03	-8.46e-05	-1.41e-05	2.91e-04
139	9	-1.37	0.05	1.07e-03	-8.46e-05	-1.41e-05	2.91e-04
139	10	0.16	-1.01	-8.88e-03	1.58e-03	1.31e-05	-3.80e-04
139	11	-0.16	-0.91	-7.08e-03	1.42e-03	1.57e-05	3.56e-04
139	12	0.09	-9.10e-04	0.17	1.33e-06	0.0	0.0
139	13	-1.51e-04	-9.82	0.52	0.02	-1.69e-03	-1.29e-04

140	1	-9.77e-05	0.05	-0.08	-1.60e-04	-2.44e-04	8.30e-05
140	2	-1.58e-04	-0.10	-0.24	-3.13e-05	-7.38e-04	2.02e-04
140	3	-3.10e-04	-0.20	-0.47	-6.12e-05	-1.44e-03	3.94e-04
140	4	-4.31	0.30	-2.90e-03	-4.80e-04	-4.26e-05	8.87e-04
140	5	-4.31	0.30	-2.90e-03	-4.80e-04	-4.26e-05	8.87e-04
140	6	0.51	-3.30	-0.02	5.16e-03	-6.76e-05	-9.60e-04
140	7	-0.51	-2.73	-0.02	4.26e-03	-6.24e-05	1.21e-03
140	8	-1.37	0.10	-9.29e-04	-1.53e-04	-1.36e-05	2.82e-04
140	9	-1.37	0.10	-9.29e-04	-1.53e-04	-1.36e-05	2.82e-04
140	10	0.16	-1.05	-9.16e-03	1.64e-03	-2.45e-05	-3.07e-04
140	11	-0.16	-0.87	-7.20e-03	1.36e-03	-2.29e-05	3.85e-04
140	12	0.17	-8.43e-04	0.17	1.19e-06	0.0	0.0
140	13	-1.59e-04	-9.75	0.53	0.01	1.68e-03	5.93e-04
141	1	-9.35e-05	0.10	-0.02	-1.60e-04	-2.34e-04	1.02e-04
141	2	-1.57e-04	0.02	-0.07	-2.86e-05	-6.38e-04	2.33e-04
141	3	-3.07e-04	0.04	-0.13	-5.60e-05	-1.25e-03	4.57e-04
141	4	-4.31	0.43	-3.41e-03	-6.83e-04	-8.06e-05	9.70e-04
141	5	-4.31	0.43	-3.41e-03	-6.83e-04	-8.06e-05	9.70e-04
141	6	0.51	-3.35	7.56e-03	5.28e-03	-1.04e-04	-8.60e-04
141	7	-0.51	-2.54	7.68e-03	4.02e-03	9.17e-05	1.07e-03
141	8	-1.37	0.14	-1.08e-03	-2.17e-04	-2.57e-05	3.08e-04
141	9	-1.37	0.14	-1.08e-03	-2.17e-04	-2.57e-05	3.08e-04
141	10	0.16	-1.06	2.59e-03	1.68e-03	-3.68e-05	-2.76e-04
141	11	-0.16	-0.81	2.57e-03	1.28e-03	3.13e-05	3.42e-04
141	12	0.25	-7.54e-04	0.17	1.16e-06	0.0	0.0
141	13	-1.68e-04	-9.62	0.17	0.01	1.49e-03	4.32e-04
142	1	-9.31e-05	0.10	-0.02	-1.61e-04	-6.36e-05	-1.27e-05
142	2	-1.57e-04	0.03	-0.05	-2.74e-05	-1.57e-04	-3.17e-05
142	3	-3.07e-04	0.05	-0.10	-5.36e-05	-3.08e-04	-6.20e-05
142	4	-4.31	0.46	7.57e-04	-7.27e-04	-1.39e-04	1.18e-03
142	5	-4.31	0.46	7.57e-04	-7.27e-04	-1.39e-04	1.18e-03
142	6	0.51	-3.37	6.32e-03	5.33e-03	1.11e-04	-8.34e-04
142	7	-0.51	-2.52	5.00e-03	3.99e-03	1.35e-04	8.47e-04
142	8	-1.37	0.14	2.41e-04	-2.31e-04	-4.43e-05	3.76e-04
142	9	-1.37	0.14	2.41e-04	-2.31e-04	-4.43e-05	3.76e-04
142	10	0.16	-1.07	2.08e-03	1.70e-03	3.78e-05	-2.65e-04
142	11	-0.16	-0.80	1.68e-03	1.27e-03	4.42e-05	2.69e-04
142	12	0.27	-7.45e-04	0.17	1.19e-06	1.04e-06	0.0
142	13	-1.69e-04	-9.61	0.14	0.01	5.10e-04	1.24e-04
143	1	-9.26e-05	0.10	-0.02	-1.63e-04	1.03e-04	-1.19e-04
143	2	-1.57e-04	0.02	-0.05	-3.44e-05	3.12e-04	-2.75e-04
143	3	-3.07e-04	0.04	-0.11	-6.73e-05	6.11e-04	-5.39e-04
143	4	-4.31	0.49	3.23e-03	-7.62e-04	-8.66e-05	1.00e-03
143	5	-4.31	0.49	3.23e-03	-7.62e-04	-8.66e-05	1.00e-03
143	6	0.51	-3.39	6.42e-03	5.34e-03	7.99e-05	-1.03e-03
143	7	-0.51	-2.51	4.23e-03	3.94e-03	1.05e-04	9.35e-04
143	8	-1.37	0.15	1.03e-03	-2.42e-04	-2.76e-05	3.19e-04
143	9	-1.37	0.15	1.03e-03	-2.42e-04	-2.76e-05	3.19e-04
143	10	0.16	-1.08	2.13e-03	1.70e-03	2.71e-05	-3.33e-04
143	11	-0.16	-0.80	1.49e-03	1.25e-03	3.47e-05	3.00e-04
143	12	0.28	-7.37e-04	0.17	1.21e-06	1.01e-06	0.0
143	13	-1.70e-04	-9.61	0.14	0.01	-5.28e-04	1.74e-04
144	1	-8.81e-05	0.05	-0.06	-1.72e-04	1.68e-04	-8.21e-05
144	2	-1.55e-04	-0.10	-0.18	-6.46e-05	5.54e-04	-1.96e-04
144	3	-3.02e-04	-0.20	-0.36	-1.26e-04	1.08e-03	-3.84e-04
144	4	-4.31	0.62	5.17e-03	-9.65e-04	-4.73e-05	8.96e-04
144	5	-4.31	0.62	5.17e-03	-9.65e-04	-4.73e-05	8.96e-04
144	6	0.51	-3.54	-0.02	5.52e-03	5.38e-05	-1.03e-03
144	7	-0.51	-2.42	-0.02	3.76e-03	6.39e-05	1.05e-03
144	8	-1.37	0.20	1.64e-03	-3.07e-04	-1.51e-05	2.85e-04
144	9	-1.37	0.20	1.64e-03	-3.07e-04	-1.51e-05	2.85e-04
144	10	0.16	-1.13	-7.80e-03	1.75e-03	1.89e-05	-3.32e-04
144	11	-0.16	-0.77	-6.89e-03	1.20e-03	2.20e-05	3.36e-04
144	12	0.36	-6.26e-04	0.17	1.20e-06	0.0	0.0
144	13	-1.81e-04	-9.51	0.39	0.01	-1.17e-03	3.91e-04
145	1	-8.39e-05	0.05	-0.05	-1.79e-04	-2.08e-04	1.10e-04
145	2	-1.53e-04	-0.09	-0.17	-8.41e-05	-6.36e-04	2.77e-04
145	3	-2.99e-04	-0.18	-0.34	-1.65e-04	-1.24e-03	5.42e-04
145	4	-4.31	0.73	1.96e-03	-1.15e-03	-3.38e-05	8.35e-04
145	5	-4.31	0.73	1.96e-03	-1.15e-03	-3.38e-05	8.35e-04
145	6	0.51	-3.60	-0.02	5.62e-03	-4.16e-05	8.44e-04
145	7	-0.51	-2.28	-0.02	3.57e-03	3.98e-05	1.18e-03
145	8	-1.37	0.23	6.28e-04	-3.66e-04	-1.08e-05	2.65e-04
145	9	-1.37	0.23	6.28e-04	-3.66e-04	-1.08e-05	2.65e-04
145	10	0.16	-1.15	-7.69e-03	1.79e-03	-1.44e-05	2.76e-04
145	11	-0.16	-0.73	-6.55e-03	1.13e-03	1.40e-05	3.83e-04

145	12	0.44	-5.30e-04	0.17	0.0	0.0	0.0
145	13	-1.92e-04	-9.32	0.37	0.01	1.48e-03	9.58e-04
146	1	-7.92e-05	0.11	-0.02	-1.78e-04	3.29e-05	1.66e-04
146	2	-1.50e-04	0.06	-0.06	-7.76e-05	5.62e-05	4.03e-04
146	3	-2.94e-04	0.11	-0.11	-1.52e-04	1.10e-04	7.89e-04
146	4	-4.31	0.83	-3.72e-03	-1.33e-03	-5.39e-05	9.44e-04
146	5	-4.31	0.83	-3.72e-03	-1.33e-03	-5.39e-05	9.44e-04
146	6	0.51	-3.58	9.15e-03	5.66e-03	8.19e-05	7.70e-04
146	7	-0.51	-2.11	6.93e-03	3.35e-03	7.90e-05	1.03e-03
146	8	-1.37	0.26	-1.19e-03	-4.21e-04	-1.72e-05	3.00e-04
146	9	-1.37	0.26	-1.19e-03	-4.21e-04	-1.72e-05	3.00e-04
146	10	0.16	-1.14	2.96e-03	1.80e-03	2.71e-05	2.52e-04
146	11	-0.16	-0.67	2.30e-03	1.07e-03	2.65e-05	3.32e-04
146	12	0.52	-4.73e-04	0.17	0.0	-1.73e-06	0.0
146	13	-2.03e-04	-9.13	0.16	0.01	-7.62e-05	2.94e-04
147	1	-7.87e-05	0.11	-0.02	-1.76e-04	2.62e-04	5.56e-05
147	2	-1.50e-04	0.07	-0.07	-6.96e-05	6.90e-04	1.46e-04
147	3	-2.94e-04	0.13	-0.14	-1.36e-04	1.35e-03	2.86e-04
147	4	-4.31	0.86	-1.84e-03	-1.37e-03	-1.06e-04	1.19e-03
147	5	-4.31	0.86	-1.84e-03	-1.37e-03	-1.06e-04	1.19e-03
147	6	0.51	-3.60	7.15e-03	5.70e-03	1.37e-04	-8.07e-04
147	7	-0.51	-2.09	4.94e-03	3.33e-03	1.35e-04	8.38e-04
147	8	-1.37	0.27	-5.84e-04	-4.35e-04	-3.39e-05	3.77e-04
147	9	-1.37	0.27	-5.84e-04	-4.35e-04	-3.39e-05	3.77e-04
147	10	0.16	-1.14	2.34e-03	1.81e-03	4.56e-05	-2.56e-04
147	11	-0.16	-0.67	1.71e-03	1.06e-03	4.49e-05	2.66e-04
147	12	0.54	-4.84e-04	0.17	0.0	-2.13e-06	0.0
147	13	-2.03e-04	-9.12	0.19	0.01	-1.38e-03	-2.51e-04
148	1	-7.80e-05	0.11	-0.03	-1.75e-04	4.86e-04	-7.83e-05
148	2	-1.49e-04	0.07	-0.10	-7.01e-05	1.30e-03	-1.68e-04
148	3	-2.92e-04	0.13	-0.20	-1.37e-04	2.55e-03	-3.30e-04
148	4	-4.31	0.89	1.68e-03	-1.40e-03	-5.79e-05	1.01e-03
148	5	-4.31	0.89	1.68e-03	-1.40e-03	-5.79e-05	1.01e-03
148	6	0.51	-3.62	6.52e-03	5.68e-03	1.18e-04	-8.63e-04
148	7	-0.51	-2.09	5.37e-03	3.28e-03	1.08e-04	8.99e-04
148	8	-1.37	0.28	5.40e-04	-4.44e-04	-1.85e-05	3.21e-04
148	9	-1.37	0.28	5.40e-04	-4.44e-04	-1.85e-05	3.21e-04
148	10	0.16	-1.15	2.26e-03	1.81e-03	3.97e-05	-2.76e-04
148	11	-0.16	-0.66	1.98e-03	1.04e-03	3.67e-05	2.87e-04
148	12	0.55	-4.81e-04	0.17	0.0	-2.70e-06	0.0
148	13	-2.06e-04	-9.12	0.26	0.01	-2.83e-03	2.99e-04
149	1	-7.19e-05	0.06	-0.15	-1.61e-04	5.45e-04	-9.69e-05
149	2	-1.43e-04	-0.07	-0.41	-3.68e-05	1.49e-03	-2.37e-04
149	3	-2.80e-04	-0.14	-0.81	-7.21e-05	2.92e-03	-4.63e-04
149	4	-4.31	1.02	-1.42e-03	-1.59e-03	-2.75e-05	8.74e-04
149	5	-4.31	1.02	-1.42e-03	-1.59e-03	-2.75e-05	8.74e-04
149	6	0.51	-3.70	-0.02	5.77e-03	5.53e-05	-7.21e-04
149	7	-0.51	-2.00	-0.02	3.15e-03	4.36e-05	9.84e-04
149	8	-1.37	0.32	-4.62e-04	-5.05e-04	-8.78e-06	2.78e-04
149	9	-1.37	0.32	-4.62e-04	-5.05e-04	-8.78e-06	2.78e-04
149	10	0.16	-1.18	-6.43e-03	1.83e-03	1.86e-05	-2.34e-04
149	11	-0.16	-0.64	-5.84e-03	1.00e-03	1.45e-05	3.16e-04
149	12	0.63	5.85e-05	0.17	0.0	-2.23e-06	1.76e-06
149	13	-2.25e-04	-8.79	0.95	0.01	-3.40e-03	1.31e-03
150	1	-6.62e-05	0.04	-0.17	-1.36e-04	-2.98e-04	-3.72e-06
150	2	-1.38e-04	-0.12	-0.47	2.83e-05	-9.98e-04	-3.92e-05
150	3	-2.70e-04	-0.23	-0.93	5.53e-05	-1.95e-03	-7.67e-05
150	4	-4.31	1.10	-5.45e-03	-1.75e-03	-4.08e-05	7.74e-04
150	5	-4.31	1.10	-5.45e-03	-1.75e-03	-4.08e-05	7.74e-04
150	6	0.51	-3.65	-0.01	5.75e-03	5.50e-05	6.69e-04
150	7	-0.51	-1.87	-0.01	2.98e-03	5.31e-05	1.06e-03
150	8	-1.37	0.35	-1.73e-03	-5.57e-04	-1.30e-05	2.46e-04
150	9	-1.37	0.35	-1.73e-03	-5.57e-04	-1.30e-05	2.46e-04
150	10	0.16	-1.16	-5.26e-03	1.83e-03	1.89e-05	2.25e-04
150	11	-0.16	-0.59	-5.12e-03	9.47e-04	1.92e-05	3.42e-04
150	12	0.71	8.18e-04	0.17	-1.84e-06	2.17e-06	2.74e-06
150	13	-2.43e-04	-8.24	1.12	0.01	2.45e-03	2.56e-03
151	1	-6.03e-05	0.06	-0.05	-1.04e-04	-9.59e-04	-8.29e-05
151	2	-1.32e-04	-0.07	-0.11	1.17e-04	-2.80e-03	-3.02e-04
151	3	-2.58e-04	-0.15	-0.22	2.28e-04	-5.48e-03	-5.90e-04
151	4	-4.31	1.18	-5.45e-03	-1.86e-03	-9.72e-05	9.00e-04
151	5	-4.31	1.18	-5.45e-03	-1.86e-03	-9.72e-05	9.00e-04
151	6	0.51	-3.54	0.01	5.58e-03	1.77e-04	5.72e-04
151	7	-0.51	-1.73	6.88e-03	2.74e-03	1.21e-04	9.43e-04
151	8	-1.37	0.37	-1.73e-03	-5.92e-04	-3.09e-05	2.86e-04
151	9	-1.37	0.37	-1.73e-03	-5.92e-04	-3.09e-05	2.86e-04

151	10	0.16	-1.12	3.96e-03	1.77e-03	5.78e-05	1.87e-04
151	11	-0.16	-0.55	2.25e-03	8.73e-04	4.17e-05	3.01e-04
151	12	0.79	1.63e-03	0.17	-2.49e-06	6.51e-06	1.90e-06
151	13	-2.59e-04	-7.59	0.30	0.01	7.10e-03	2.43e-03
152	1	-5.94e-05	0.06	-0.02	-9.70e-05	-9.63e-04	-2.00e-04
152	2	-1.31e-04	-0.09	-0.02	1.39e-04	-2.82e-03	-5.87e-04
152	3	-2.56e-04	-0.17	-0.04	2.71e-04	-5.51e-03	-1.15e-03
152	4	-4.31	1.21	-1.76e-03	-1.89e-03	-1.60e-04	1.18e-03
152	5	-4.31	1.21	-1.76e-03	-1.89e-03	-1.60e-04	1.18e-03
152	6	0.51	-3.55	5.70e-03	5.55e-03	2.74e-04	-7.63e-04
152	7	-0.51	-1.72	2.84e-03	2.71e-03	1.76e-04	8.27e-04
152	8	-1.37	0.38	-5.60e-04	-6.01e-04	-5.09e-05	3.76e-04
152	9	-1.37	0.38	-5.60e-04	-6.01e-04	-5.09e-05	3.76e-04
152	10	0.16	-1.13	1.83e-03	1.77e-03	8.93e-05	-2.43e-04
152	11	-0.16	-0.55	9.23e-04	8.62e-04	5.91e-05	2.63e-04
152	12	0.81	1.69e-03	0.17	-2.47e-06	6.85e-06	1.75e-06
152	13	-2.62e-04	-7.52	0.06	0.01	7.46e-03	1.62e-03
153	1	-2.30e-04	0.06	-0.03	1.83e-05	1.02e-03	2.19e-04
153	2	-2.98e-04	-0.09	-8.41e-04	2.52e-04	2.88e-03	6.19e-04
153	3	-5.84e-04	-0.18	-1.64e-03	4.93e-04	5.63e-03	1.21e-03
153	4	-4.41	-1.25	0.19	1.91e-03	-1.67e-04	1.14e-03
153	5	-4.41	-1.25	0.19	1.91e-03	-1.67e-04	1.14e-03
153	6	0.49	-1.78	0.27	2.74e-03	-3.78e-04	-8.56e-04
153	7	-0.50	-3.67	0.56	5.63e-03	-4.22e-04	7.79e-04
153	8	-1.40	-0.40	0.06	6.08e-04	-5.32e-05	3.61e-04
153	9	-1.40	-0.40	0.06	6.08e-04	-5.32e-05	3.61e-04
153	10	0.16	-0.57	0.09	8.73e-04	-1.25e-04	-2.72e-04
153	11	-0.16	-1.17	0.18	1.79e-03	-1.37e-04	2.48e-04
153	12	-0.81	0.05	0.18	-2.47e-06	-2.31e-05	-8.77e-06
153	13	-4.12e-04	-7.78	1.19	0.01	-8.03e-03	-1.69e-03
154	1	-1.38e-04	0.12	-0.03	-2.35e-05	-2.62e-04	-5.63e-05
154	2	-1.72e-04	0.07	-0.06	2.73e-04	-6.95e-04	-1.49e-04
154	3	-3.37e-04	0.13	-0.11	5.34e-04	-1.36e-03	-2.91e-04
154	4	-4.41	-0.89	0.14	1.39e-03	-1.01e-04	1.17e-03
154	5	-4.41	-0.89	0.14	1.39e-03	-1.01e-04	1.17e-03
154	6	0.49	-2.17	0.33	3.39e-03	-3.04e-04	-8.62e-04
154	7	-0.50	-3.72	0.57	5.77e-03	-2.29e-04	8.38e-04
154	8	-1.40	-0.28	0.04	4.40e-04	-3.23e-05	3.72e-04
154	9	-1.40	-0.28	0.04	4.40e-04	-3.23e-05	3.72e-04
154	10	0.16	-0.69	0.11	1.08e-03	-9.89e-05	-2.74e-04
154	11	-0.16	-1.18	0.18	1.83e-03	-7.47e-05	2.66e-04
154	12	-0.54	0.05	0.18	0.0	0.0	-3.57e-06
154	13	-6.96e-04	-9.41	1.51	0.01	1.13e-03	2.68e-04
155	1	-1.47e-04	0.10	-0.02	-3.12e-05	5.98e-05	1.30e-05
155	2	-2.24e-04	0.02	-0.04	2.42e-04	1.53e-04	3.33e-05
155	3	-4.38e-04	0.05	-0.07	4.73e-04	2.99e-04	6.52e-05
155	4	-4.41	-0.47	0.07	7.37e-04	-1.61e-04	1.17e-03
155	5	-4.41	-0.47	0.07	7.37e-04	-1.61e-04	1.17e-03
155	6	0.49	-2.61	0.40	4.05e-03	-3.28e-04	-8.72e-04
155	7	-0.50	-3.48	0.53	5.40e-03	2.74e-04	8.66e-04
155	8	-1.40	-0.15	0.02	2.34e-04	-5.13e-05	3.71e-04
155	9	-1.40	-0.15	0.02	2.34e-04	-5.13e-05	3.71e-04
155	10	0.16	-0.83	0.13	1.29e-03	-1.06e-04	-2.77e-04
155	11	-0.16	-1.11	0.17	1.72e-03	9.04e-05	2.76e-04
155	12	-0.27	0.05	0.18	1.23e-06	-3.18e-06	-2.60e-06
155	13	-5.48e-04	-9.92	1.56	0.01	-6.03e-04	-1.17e-04
156	1	-1.47e-04	0.10	-0.03	-1.66e-05	0.0	0.0
156	2	-2.50e-04	0.03	-0.05	2.76e-04	0.0	0.0
156	3	-4.88e-04	0.05	-0.09	5.40e-04	0.0	1.61e-06
156	4	-4.41	-1.82e-03	2.79e-04	2.82e-06	-1.94e-04	1.17e-03
156	5	-4.41	-1.82e-03	2.79e-04	2.82e-06	-1.94e-04	1.17e-03
156	6	0.49	-3.07	0.47	4.78e-03	-2.84e-04	-8.74e-04
156	7	-0.50	-3.07	0.47	4.78e-03	2.85e-04	8.78e-04
156	8	-1.40	-5.77e-04	8.85e-05	0.0	-6.17e-05	3.72e-04
156	9	-1.40	-5.77e-04	8.85e-05	0.0	-6.17e-05	3.72e-04
156	10	0.16	-0.98	0.15	1.52e-03	-9.13e-05	-2.78e-04
156	11	-0.16	-0.98	0.15	1.52e-03	9.17e-05	2.79e-04
156	12	1.63e-06	0.05	0.18	1.31e-06	0.0	0.0
156	13	-4.54e-04	-10.10	1.60	0.01	0.0	3.31e-06
157	1	-1.46e-04	0.10	-0.02	-3.12e-05	-6.04e-05	-1.25e-05
157	2	-2.75e-04	0.02	-0.04	2.42e-04	-1.53e-04	-3.17e-05
157	3	-5.38e-04	0.05	-0.07	4.73e-04	-2.99e-04	-6.19e-05
157	4	-4.41	0.47	-0.07	-7.37e-04	-1.61e-04	1.17e-03
157	5	-4.41	0.47	-0.07	-7.37e-04	-1.61e-04	1.17e-03
157	6	0.49	-3.48	0.53	5.41e-03	-2.74e-04	-8.63e-04
157	7	-0.50	-2.61	0.40	4.05e-03	3.27e-04	8.75e-04

157	8	-1.40	0.15	-0.02	-2.34e-04	-5.13e-05	3.71e-04
157	9	-1.40	0.15	-0.02	-2.34e-04	-5.13e-05	3.71e-04
157	10	0.16	-1.11	0.17	1.72e-03	-9.01e-05	-2.74e-04
157	11	-0.16	-0.83	0.13	1.29e-03	1.06e-04	2.78e-04
157	12	0.27	0.05	0.18	1.23e-06	3.18e-06	2.61e-06
157	13	-3.61e-04	-9.92	1.56	0.01	6.03e-04	1.23e-04
158	1	-1.56e-04	0.12	-0.03	-2.34e-05	2.62e-04	5.68e-05
158	2	-3.27e-04	0.07	-0.06	2.73e-04	6.95e-04	1.51e-04
158	3	-6.40e-04	0.13	-0.11	5.34e-04	1.36e-03	2.95e-04
158	4	-4.41	0.89	-0.14	-1.38e-03	-1.01e-04	1.17e-03
158	5	-4.41	0.89	-0.14	-1.38e-03	-1.01e-04	1.17e-03
158	6	0.49	-3.72	0.57	5.77e-03	2.29e-04	-8.34e-04
158	7	-0.50	-2.16	0.33	3.38e-03	3.04e-04	8.65e-04
158	8	-1.40	0.28	-0.04	-4.40e-04	-3.23e-05	3.72e-04
158	9	-1.40	0.28	-0.04	-4.40e-04	-3.23e-05	3.72e-04
158	10	0.16	-1.18	0.18	1.83e-03	7.48e-05	-2.65e-04
158	11	-0.16	-0.69	0.11	1.08e-03	9.87e-05	2.75e-04
158	12	0.54	0.05	0.18	0.0	0.0	3.58e-06
158	13	-2.12e-04	-9.41	1.51	0.01	-1.13e-03	-2.61e-04
159	1	-6.02e-05	0.06	-0.03	1.85e-05	-1.02e-03	-2.18e-04
159	2	-1.96e-04	-0.09	-7.25e-04	2.52e-04	-2.88e-03	-6.17e-04
159	3	-3.84e-04	-0.18	-1.42e-03	4.93e-04	-5.64e-03	-1.21e-03
159	4	-4.41	1.25	-0.19	-1.91e-03	-1.67e-04	1.14e-03
159	5	-4.41	1.25	-0.19	-1.91e-03	-1.67e-04	1.14e-03
159	6	0.49	-3.67	0.55	5.62e-03	4.23e-04	-7.75e-04
159	7	-0.50	-1.78	0.27	2.74e-03	3.78e-04	8.59e-04
159	8	-1.40	0.40	-0.06	-6.08e-04	-5.32e-05	3.61e-04
159	9	-1.40	0.40	-0.06	-6.08e-04	-5.32e-05	3.61e-04
159	10	0.16	-1.17	0.18	1.79e-03	1.38e-04	-2.47e-04
159	11	-0.16	-0.57	0.09	8.73e-04	1.25e-04	2.73e-04
159	12	0.81	0.05	0.18	-2.47e-06	2.31e-05	8.78e-06
159	13	-5.07e-04	-7.76	1.19	0.01	8.03e-03	1.69e-03
160	1	-1.27e-04	0.06	-0.02	-7.57e-06	1.07e-03	2.20e-04
160	2	-1.35e-04	-0.10	0.02	2.34e-04	2.95e-03	6.12e-04
160	3	-2.64e-04	-0.19	0.05	4.58e-04	5.77e-03	1.20e-03
160	4	-4.51	-1.29	0.38	1.99e-03	-1.85e-04	1.11e-03
160	5	-4.51	-1.29	0.38	1.99e-03	-1.85e-04	1.11e-03
160	6	0.49	-1.84	0.54	2.87e-03	-5.94e-04	-9.04e-04
160	7	-0.49	-3.79	1.12	5.86e-03	-5.89e-04	7.65e-04
160	8	-1.44	-0.41	0.12	6.34e-04	-5.89e-05	3.52e-04
160	9	-1.44	-0.41	0.12	6.34e-04	-5.89e-05	3.52e-04
160	10	0.16	-0.59	0.17	9.12e-04	-1.97e-04	-2.88e-04
160	11	-0.16	-1.20	0.36	1.86e-03	-1.93e-04	2.44e-04
160	12	-0.81	0.10	0.19	-2.28e-06	-3.84e-05	-1.97e-05
160	13	-1.67e-03	-8.02	2.33	0.01	-8.57e-03	-1.83e-03
161	1	-1.28e-04	0.06	-0.06	-9.14e-05	1.07e-03	9.18e-05
161	2	-1.40e-04	-0.08	-0.07	1.56e-04	2.95e-03	3.25e-04
161	3	-2.74e-04	-0.16	-0.14	3.05e-04	5.77e-03	6.35e-04
161	4	-4.51	-1.26	0.38	2.00e-03	-1.10e-04	9.48e-04
161	5	-4.51	-1.26	0.38	2.00e-03	-1.10e-04	9.48e-04
161	6	0.49	-1.85	0.56	2.94e-03	-5.51e-04	-1.01e-03
161	7	-0.49	-3.78	1.13	5.94e-03	-5.16e-04	-5.84e-04
161	8	-1.44	-0.40	0.12	6.36e-04	-3.51e-05	3.01e-04
161	9	-1.44	-0.40	0.12	6.36e-04	-3.51e-05	3.01e-04
161	10	0.16	-0.59	0.18	9.35e-04	-1.84e-04	-3.24e-04
161	11	-0.16	-1.20	0.36	1.89e-03	-1.72e-04	-1.90e-04
161	12	-0.79	0.10	0.19	2.10e-06	-3.21e-05	-4.60e-06
161	13	-1.65e-03	-8.09	2.60	0.01	-8.25e-03	-2.62e-03
162	1	-1.35e-04	0.05	-0.19	-2.29e-04	3.56e-04	1.66e-05
162	2	-1.66e-04	-0.12	-0.45	-5.58e-05	1.08e-03	5.31e-05
162	3	-3.24e-04	-0.23	-0.88	-1.09e-04	2.10e-03	1.04e-04
162	4	-4.51	-1.18	0.36	1.89e-03	1.78e-04	8.03e-04
162	5	-4.51	-1.18	0.36	1.89e-03	1.78e-04	8.03e-04
162	6	0.49	-2.00	0.60	3.18e-03	-4.41e-04	-1.15e-03
162	7	-0.49	-3.90	1.15	6.10e-03	-3.25e-04	-7.10e-04
162	8	-1.44	-0.37	0.12	6.00e-04	5.66e-05	2.55e-04
162	9	-1.44	-0.37	0.12	6.00e-04	5.66e-05	2.55e-04
162	10	0.16	-0.64	0.19	1.01e-03	-1.46e-04	-3.70e-04
162	11	-0.16	-1.24	0.37	1.94e-03	-1.10e-04	-2.37e-04
162	12	-0.71	0.09	0.19	9.75e-06	1.48e-06	-3.71e-06
162	13	-1.57e-03	-8.78	3.59	0.01	-3.35e-03	-2.75e-03
163	1	-1.43e-04	0.06	-0.17	-2.50e-04	-5.79e-04	8.75e-05
163	2	-1.91e-04	-0.08	-0.39	-2.72e-05	-1.57e-03	2.19e-04
163	3	-3.74e-04	-0.15	-0.77	-5.31e-05	-3.07e-03	4.28e-04
163	4	-4.51	-1.08	0.32	1.70e-03	2.55e-04	9.19e-04
163	5	-4.51	-1.08	0.32	1.70e-03	2.55e-04	9.19e-04

163	6	0.49	-2.14	0.63	3.39e-03	-3.81e-04	-1.07e-03
163	7	-0.49	-3.94	1.15	6.16e-03	-2.63e-04	7.80e-04
163	8	-1.44	-0.34	0.10	5.40e-04	8.10e-05	2.92e-04
163	9	-1.44	-0.34	0.10	5.40e-04	8.10e-05	2.92e-04
163	10	0.16	-0.68	0.20	1.08e-03	-1.23e-04	-3.43e-04
163	11	-0.16	-1.25	0.37	1.96e-03	-8.68e-05	2.53e-04
163	12	-0.63	0.09	0.19	3.71e-06	1.13e-05	-1.29e-06
163	13	-1.48e-03	-9.35	3.53	0.01	3.01e-03	-1.38e-03
164	1	-1.50e-04	0.12	-0.05	-1.98e-04	-5.23e-04	1.02e-04
164	2	-2.16e-04	0.06	-0.06	1.13e-04	-1.39e-03	1.97e-04
164	3	-4.23e-04	0.11	-0.12	2.21e-04	-2.71e-03	3.85e-04
164	4	-4.51	-0.95	0.28	1.50e-03	-1.86e-04	1.08e-03
164	5	-4.51	-0.95	0.28	1.50e-03	-1.86e-04	1.08e-03
164	6	0.49	-2.23	0.66	3.56e-03	-4.42e-04	-9.71e-04
164	7	-0.49	-3.86	1.15	6.12e-03	-3.23e-04	9.13e-04
164	8	-1.44	-0.30	0.09	4.77e-04	-5.93e-05	3.44e-04
164	9	-1.44	-0.30	0.09	4.77e-04	-5.93e-05	3.44e-04
164	10	0.16	-0.71	0.21	1.14e-03	-1.43e-04	-3.10e-04
164	11	-0.16	-1.23	0.36	1.95e-03	-1.06e-04	2.91e-04
164	12	-0.55	0.09	0.19	0.0	0.0	0.0
164	13	-1.40e-03	-9.69	2.88	0.01	2.54e-03	-4.60e-04
165	1	-1.51e-04	0.12	-0.03	-1.01e-04	-2.62e-04	-5.45e-05
165	2	-2.21e-04	0.06	-0.03	2.52e-04	-7.01e-04	-1.46e-04
165	3	-4.33e-04	0.12	-0.06	4.93e-04	-1.37e-03	-2.85e-04
165	4	-4.51	-0.92	0.28	1.45e-03	-1.70e-04	1.16e-03
165	5	-4.51	-0.92	0.28	1.45e-03	-1.70e-04	1.16e-03
165	6	0.49	-2.24	0.67	3.56e-03	-4.78e-04	-9.19e-04
165	7	-0.49	-3.84	1.15	6.05e-03	-3.42e-04	8.66e-04
165	8	-1.44	-0.29	0.09	4.61e-04	-5.43e-05	3.68e-04
165	9	-1.44	-0.29	0.09	4.61e-04	-5.43e-05	3.68e-04
165	10	0.16	-0.71	0.21	1.14e-03	-1.55e-04	-2.92e-04
165	11	-0.16	-1.22	0.36	1.93e-03	-1.11e-04	2.75e-04
165	12	-0.54	0.09	0.19	0.0	-3.15e-06	-7.76e-06
165	13	-1.38e-03	-9.69	2.82	0.01	9.16e-04	1.61e-04
166	1	-1.52e-04	0.11	-0.03	-2.01e-04	-7.35e-06	-1.87e-04
166	2	-2.25e-04	0.05	-0.02	1.18e-04	-3.18e-05	-4.30e-04
166	3	-4.39e-04	0.10	-0.03	2.30e-04	-6.23e-05	-8.41e-04
166	4	-4.51	-0.89	0.27	1.43e-03	-1.80e-04	1.02e-03
166	5	-4.51	-0.89	0.27	1.43e-03	-1.80e-04	1.02e-03
166	6	0.49	-2.25	0.68	3.64e-03	-4.44e-04	-1.10e-03
166	7	-0.49	-3.83	1.15	6.10e-03	-3.13e-04	-8.20e-04
166	8	-1.44	-0.28	0.09	4.56e-04	-5.72e-05	3.24e-04
166	9	-1.44	-0.28	0.09	4.56e-04	-5.72e-05	3.24e-04
166	10	0.16	-0.72	0.22	1.16e-03	-1.43e-04	-3.55e-04
166	11	-0.16	-1.22	0.36	1.94e-03	-1.01e-04	-2.67e-04
166	12	-0.52	0.09	0.19	1.03e-06	-3.40e-06	1.29e-06
166	13	-1.36e-03	-9.70	2.82	0.01	-4.76e-04	-3.10e-04
167	1	-1.55e-04	0.06	-0.07	-2.67e-04	2.48e-04	-1.00e-04
167	2	-2.39e-04	-0.10	-0.14	4.05e-06	7.08e-04	-2.63e-04
167	3	-4.67e-04	-0.19	-0.28	7.91e-06	1.38e-03	-5.14e-04
167	4	-4.51	-0.78	0.23	1.25e-03	2.30e-04	8.75e-04
167	5	-4.51	-0.78	0.23	1.25e-03	2.30e-04	8.75e-04
167	6	0.49	-2.43	0.72	3.87e-03	-4.22e-04	-1.28e-03
167	7	-0.49	-3.84	1.13	6.06e-03	3.06e-04	-9.06e-04
167	8	-1.44	-0.25	0.07	3.96e-04	7.33e-05	2.78e-04
167	9	-1.44	-0.25	0.07	3.96e-04	7.33e-05	2.78e-04
167	10	0.16	-0.77	0.23	1.23e-03	-1.35e-04	-4.12e-04
167	11	-0.16	-1.22	0.36	1.93e-03	9.86e-05	-2.95e-04
167	12	-0.44	0.09	0.19	1.85e-06	2.12e-06	0.0
167	13	-1.29e-03	-9.91	3.13	0.01	-2.06e-03	-1.09e-03
168	1	-1.58e-04	0.05	-0.08	-2.69e-04	-1.98e-04	7.31e-05
168	2	-2.54e-04	-0.11	-0.16	-1.58e-05	-5.87e-04	1.87e-04
168	3	-4.96e-04	-0.21	-0.31	-3.09e-05	-1.15e-03	3.65e-04
168	4	-4.51	-0.66	0.19	1.03e-03	2.38e-04	9.40e-04
168	5	-4.51	-0.66	0.19	1.03e-03	2.38e-04	9.40e-04
168	6	0.49	-2.59	0.75	4.08e-03	-4.26e-04	-1.13e-03
168	7	-0.49	-3.78	1.11	5.95e-03	3.60e-04	1.11e-03
168	8	-1.44	-0.21	0.06	3.28e-04	7.56e-05	2.99e-04
168	9	-1.44	-0.21	0.06	3.28e-04	7.56e-05	2.99e-04
168	10	0.16	-0.82	0.24	1.30e-03	-1.37e-04	-3.63e-04
168	11	-0.16	-1.20	0.35	1.89e-03	1.17e-04	3.58e-04
168	12	-0.36	0.09	0.19	0.0	1.53e-06	0.0
168	13	-1.21e-03	-10.11	3.21	0.02	9.88e-04	-4.16e-04
169	1	-1.61e-04	0.10	-0.03	-2.07e-04	-1.41e-04	1.40e-04
169	2	-2.68e-04	0.01	-0.02	7.87e-05	-3.70e-04	3.03e-04
169	3	-5.24e-04	0.02	-0.04	1.54e-04	-7.23e-04	5.92e-04

169	4	-4.51	-0.52	0.15	8.20e-04	-2.19e-04	1.07e-03
169	5	-4.51	-0.52	0.15	8.20e-04	-2.19e-04	1.07e-03
169	6	0.49	-2.68	0.80	4.26e-03	-4.81e-04	-1.01e-03
169	7	-0.49	-3.62	1.08	5.77e-03	4.12e-04	1.11e-03
169	8	-1.44	-0.17	0.05	2.61e-04	-6.95e-05	3.41e-04
169	9	-1.44	-0.17	0.05	2.61e-04	-6.95e-05	3.41e-04
169	10	0.16	-0.85	0.25	1.36e-03	-1.54e-04	-3.24e-04
169	11	-0.16	-1.15	0.34	1.84e-03	1.34e-04	3.58e-04
169	12	-0.28	0.09	0.19	0.0	-4.53e-06	0.0
169	13	-1.13e-03	-10.21	2.97	0.02	4.77e-04	-2.64e-04
170	1	-1.62e-04	0.10	-0.03	-1.14e-04	5.67e-05	1.20e-05
170	2	-2.71e-04	0.02	-0.01	1.93e-04	1.49e-04	3.16e-05
170	3	-5.30e-04	0.04	-0.03	3.77e-04	2.91e-04	6.18e-05
170	4	-4.51	-0.49	0.15	7.74e-04	-2.34e-04	1.15e-03
170	5	-4.51	-0.49	0.15	7.74e-04	-2.34e-04	1.15e-03
170	6	0.49	-2.69	0.81	4.26e-03	-5.20e-04	-9.37e-04
170	7	-0.49	-3.59	1.07	5.68e-03	4.44e-04	9.22e-04
170	8	-1.44	-0.15	0.05	2.46e-04	-7.43e-05	3.67e-04
170	9	-1.44	-0.15	0.05	2.46e-04	-7.43e-05	3.67e-04
170	10	0.16	-0.86	0.26	1.36e-03	-1.67e-04	-2.98e-04
170	11	-0.16	-1.14	0.34	1.81e-03	1.45e-04	2.93e-04
170	12	-0.27	0.09	0.19	1.30e-06	-5.39e-06	-4.74e-06
170	13	-1.11e-03	-10.22	2.97	0.01	-6.87e-04	-1.53e-04
171	1	-1.63e-04	0.10	-0.03	-2.02e-04	2.50e-04	-1.22e-04
171	2	-2.74e-04	0.01	-0.03	8.43e-05	6.56e-04	-2.57e-04
171	3	-5.36e-04	0.03	-0.05	1.65e-04	1.28e-03	-5.02e-04
171	4	-4.51	-0.46	0.14	7.45e-04	-2.20e-04	1.04e-03
171	5	-4.51	-0.46	0.14	7.45e-04	-2.20e-04	1.04e-03
171	6	0.49	-2.71	0.82	4.35e-03	-4.94e-04	-1.15e-03
171	7	-0.49	-3.57	1.07	5.70e-03	4.36e-04	9.33e-04
171	8	-1.44	-0.14	0.04	2.37e-04	-6.98e-05	3.32e-04
171	9	-1.44	-0.14	0.04	2.37e-04	-6.98e-05	3.32e-04
171	10	0.16	-0.86	0.26	1.39e-03	-1.60e-04	-3.67e-04
171	11	-0.16	-1.14	0.34	1.82e-03	1.44e-04	2.99e-04
171	12	-0.25	0.09	0.19	2.03e-06	-4.98e-06	0.0
171	13	-1.09e-03	-10.23	3.02	0.02	-1.74e-03	-3.98e-04
172	1	-1.65e-04	0.05	-0.10	-2.48e-04	2.72e-04	-7.58e-05
172	2	-2.88e-04	-0.11	-0.21	8.52e-06	7.79e-04	-1.94e-04
172	3	-5.63e-04	-0.21	-0.41	1.67e-05	1.52e-03	-3.80e-04
172	4	-4.51	-0.32	0.10	5.26e-04	2.59e-04	9.34e-04
172	5	-4.51	-0.32	0.10	5.26e-04	2.59e-04	9.34e-04
172	6	0.49	-2.91	0.86	4.60e-03	-4.72e-04	-1.30e-03
172	7	-0.49	-3.52	1.04	5.56e-03	4.03e-04	1.04e-03
172	8	-1.44	-0.10	0.03	1.67e-04	8.24e-05	2.97e-04
172	9	-1.44	-0.10	0.03	1.67e-04	8.24e-05	2.97e-04
172	10	0.16	-0.93	0.27	1.47e-03	-1.55e-04	-4.17e-04
172	11	-0.16	-1.12	0.33	1.77e-03	1.33e-04	3.34e-04
172	12	-0.17	0.09	0.19	3.24e-06	0.0	0.0
172	13	-1.01e-03	-10.37	3.42	0.02	-1.93e-03	-6.50e-04
173	1	-1.68e-04	0.05	-0.10	-2.42e-04	-2.84e-04	7.45e-05
173	2	-3.02e-04	-0.11	-0.21	2.46e-05	-8.12e-04	1.93e-04
173	3	-5.91e-04	-0.21	-0.40	4.81e-05	-1.59e-03	3.78e-04
173	4	-4.51	-0.18	0.05	2.81e-04	2.76e-04	9.64e-04
173	5	-4.51	-0.18	0.05	2.81e-04	2.76e-04	9.64e-04
173	6	0.49	-3.07	0.90	4.83e-03	-4.19e-04	-1.18e-03
173	7	-0.49	-3.39	1.00	5.36e-03	4.11e-04	1.27e-03
173	8	-1.44	-0.06	0.02	8.94e-05	8.79e-05	3.07e-04
173	9	-1.44	-0.06	0.02	8.94e-05	8.79e-05	3.07e-04
173	10	0.16	-0.98	0.29	1.54e-03	-1.35e-04	-3.83e-04
173	11	-0.16	-1.08	0.32	1.71e-03	1.32e-04	4.09e-04
173	12	-0.09	0.09	0.19	2.34e-06	1.75e-06	0.0
173	13	-9.22e-04	-10.44	3.43	0.02	1.79e-03	1.63e-04
174	1	-1.71e-04	0.10	-0.03	-1.84e-04	-2.16e-04	1.33e-04
174	2	-3.16e-04	0.02	-0.03	1.28e-04	-5.66e-04	2.86e-04
174	3	-6.17e-04	0.03	-0.05	2.50e-04	-1.11e-03	5.59e-04
174	4	-4.51	-0.04	-9.00e-03	-4.38e-05	-2.67e-04	1.07e-03
174	5	-4.51	-0.04	-9.00e-03	-4.38e-05	-2.67e-04	1.07e-03
174	6	0.49	-3.15	0.94	5.03e-03	-4.44e-04	-1.02e-03
174	7	-0.49	-3.19	0.96	5.12e-03	4.60e-04	1.17e-03
174	8	-1.44	-0.01	-2.86e-03	-1.39e-05	-8.50e-05	3.40e-04
174	9	-1.44	-0.01	-2.86e-03	-1.39e-05	-8.50e-05	3.40e-04
174	10	0.16	-1.00	0.30	1.60e-03	-1.43e-04	-3.27e-04
174	11	-0.16	-1.01	0.31	1.63e-03	1.50e-04	3.73e-04
174	12	-0.02	0.09	0.19	1.42e-06	0.0	0.0
174	13	-8.35e-04	-10.41	3.06	0.02	1.24e-03	8.45e-05
175	1	-1.72e-04	0.10	-0.03	-9.12e-05	0.0	0.0

175	2	-3.19e-04	0.02	-0.02	2.46e-04	0.0	0.0
175	3	-6.23e-04	0.04	-0.03	4.81e-04	0.0	1.14e-06
175	4	-4.51	-1.88e-03	5.61e-04	2.96e-06	-2.87e-04	1.16e-03
175	5	-4.51	-1.88e-03	5.61e-04	2.96e-06	-2.87e-04	1.16e-03
175	6	0.49	-3.17	0.95	5.02e-03	-4.73e-04	-9.40e-04
175	7	-0.49	-3.17	0.95	5.02e-03	4.75e-04	9.44e-04
175	8	-1.44	-5.96e-04	1.78e-04	0.0	-9.12e-05	3.68e-04
175	9	-1.44	-5.96e-04	1.78e-04	0.0	-9.12e-05	3.68e-04
175	10	0.16	-1.01	0.30	1.60e-03	-1.52e-04	-2.99e-04
175	11	-0.16	-1.01	0.30	1.60e-03	1.53e-04	3.00e-04
175	12	1.08e-06	0.09	0.19	1.30e-06	0.0	0.0
175	13	-8.17e-04	-10.41	3.03	0.01	0.0	4.01e-06
176	1	-1.72e-04	0.10	-0.03	-1.84e-04	2.10e-04	-1.32e-04
176	2	-3.22e-04	0.02	-0.03	1.28e-04	5.53e-04	-2.83e-04
176	3	-6.29e-04	0.03	-0.05	2.51e-04	1.08e-03	-5.53e-04
176	4	-4.51	0.04	8.81e-03	4.28e-05	-2.67e-04	1.07e-03
176	5	-4.51	0.04	8.81e-03	4.28e-05	-2.67e-04	1.07e-03
176	6	0.49	-3.19	0.96	5.12e-03	-4.58e-04	-1.16e-03
176	7	-0.49	-3.15	0.94	5.03e-03	4.46e-04	1.02e-03
176	8	-1.44	0.01	2.80e-03	1.36e-05	-8.51e-05	3.41e-04
176	9	-1.44	0.01	2.80e-03	1.36e-05	-8.51e-05	3.41e-04
176	10	0.16	-1.02	0.31	1.63e-03	-1.49e-04	-3.71e-04
176	11	-0.16	-1.00	0.30	1.60e-03	1.43e-04	3.28e-04
176	12	0.02	0.09	0.19	1.42e-06	0.0	0.0
176	13	-7.99e-04	-10.41	3.06	0.02	-1.21e-03	-7.24e-05
177	1	-1.75e-04	0.05	-0.10	-2.42e-04	2.87e-04	-7.48e-05
177	2	-3.35e-04	-0.11	-0.21	2.54e-05	8.18e-04	-1.94e-04
177	3	-6.56e-04	-0.21	-0.40	4.97e-05	1.60e-03	-3.79e-04
177	4	-4.51	0.18	-0.05	-2.80e-04	2.76e-04	9.64e-04
177	5	-4.51	0.18	-0.05	-2.80e-04	2.76e-04	9.64e-04
177	6	0.49	-3.39	1.00	5.37e-03	-4.10e-04	-1.27e-03
177	7	-0.49	-3.06	0.90	4.83e-03	4.20e-04	1.18e-03
177	8	-1.44	0.06	-0.02	-8.90e-05	8.79e-05	3.07e-04
177	9	-1.44	0.06	-0.02	-8.90e-05	8.79e-05	3.07e-04
177	10	0.16	-1.08	0.32	1.71e-03	-1.32e-04	-4.09e-04
177	11	-0.16	-0.97	0.29	1.54e-03	1.36e-04	3.84e-04
177	12	0.09	0.09	0.19	2.33e-06	-1.75e-06	0.0
177	13	-7.13e-04	-10.43	3.42	0.02	-1.81e-03	-1.61e-04
178	1	-1.78e-04	0.05	-0.10	-2.49e-04	-2.69e-04	7.56e-05
178	2	-3.50e-04	-0.11	-0.21	7.95e-06	-7.71e-04	1.94e-04
178	3	-6.84e-04	-0.21	-0.41	1.55e-05	-1.51e-03	3.79e-04
178	4	-4.51	0.32	-0.10	-5.25e-04	2.59e-04	9.35e-04
178	5	-4.51	0.32	-0.10	-5.25e-04	2.59e-04	9.35e-04
178	6	0.49	-3.52	1.04	5.56e-03	-4.01e-04	-1.04e-03
178	7	-0.49	-2.91	0.86	4.60e-03	4.71e-04	1.31e-03
178	8	-1.44	0.10	-0.03	-1.67e-04	8.24e-05	2.97e-04
178	9	-1.44	0.10	-0.03	-1.67e-04	8.24e-05	2.97e-04
178	10	0.16	-1.12	0.33	1.77e-03	-1.32e-04	-3.33e-04
178	11	-0.16	-0.93	0.27	1.47e-03	1.55e-04	4.17e-04
178	12	0.17	0.09	0.19	3.24e-06	0.0	0.0
178	13	-6.27e-04	-10.37	3.42	0.02	1.92e-03	6.52e-04
179	1	-1.80e-04	0.10	-0.03	-2.03e-04	-2.55e-04	1.24e-04
179	2	-3.63e-04	0.01	-0.03	8.39e-05	-6.68e-04	2.60e-04
179	3	-7.10e-04	0.03	-0.06	1.64e-04	-1.31e-03	5.09e-04
179	4	-4.51	0.45	-0.14	-7.44e-04	-2.19e-04	1.04e-03
179	5	-4.51	0.45	-0.14	-7.44e-04	-2.19e-04	1.04e-03
179	6	0.49	-3.57	1.07	5.71e-03	-4.34e-04	-9.30e-04
179	7	-0.49	-2.71	0.82	4.35e-03	4.94e-04	1.16e-03
179	8	-1.44	0.14	-0.04	-2.37e-04	-6.98e-05	3.31e-04
179	9	-1.44	0.14	-0.04	-2.37e-04	-6.98e-05	3.31e-04
179	10	0.16	-1.14	0.34	1.82e-03	-1.44e-04	-2.98e-04
179	11	-0.16	-0.86	0.26	1.38e-03	1.60e-04	3.69e-04
179	12	0.25	0.09	0.19	2.05e-06	4.94e-06	0.0
179	13	-5.40e-04	-10.23	3.02	0.02	1.77e-03	4.13e-04
180	1	-1.81e-04	0.10	-0.03	-1.14e-04	-5.73e-05	-1.18e-05
180	2	-3.66e-04	0.02	-0.01	1.93e-04	-1.49e-04	-3.04e-05
180	3	-7.16e-04	0.04	-0.03	3.77e-04	-2.91e-04	-5.95e-05
180	4	-4.51	0.49	-0.15	-7.74e-04	-2.33e-04	1.15e-03
180	5	-4.51	0.49	-0.15	-7.74e-04	-2.33e-04	1.15e-03
180	6	0.49	-3.59	1.07	5.68e-03	-4.43e-04	-9.18e-04
180	7	-0.49	-2.69	0.80	4.26e-03	5.20e-04	9.41e-04
180	8	-1.44	0.15	-0.05	-2.46e-04	-7.43e-05	3.67e-04
180	9	-1.44	0.15	-0.05	-2.46e-04	-7.43e-05	3.67e-04
180	10	0.16	-1.14	0.34	1.81e-03	-1.45e-04	-2.92e-04
180	11	-0.16	-0.86	0.26	1.36e-03	1.67e-04	2.99e-04
180	12	0.27	0.09	0.19	1.30e-06	5.39e-06	4.75e-06

180	13	-5.22e-04	-10.22	2.97	0.01	6.87e-04	1.61e-04
181	1	-1.82e-04	0.10	-0.03	-2.06e-04	1.36e-04	-1.39e-04
181	2	-3.69e-04	0.01	-0.02	7.94e-05	3.58e-04	-2.99e-04
181	3	-7.22e-04	0.02	-0.04	1.55e-04	7.00e-04	-5.86e-04
181	4	-4.51	0.52	-0.15	-8.19e-04	-2.18e-04	1.08e-03
181	5	-4.51	0.52	-0.15	-8.19e-04	-2.18e-04	1.08e-03
181	6	0.49	-3.62	1.08	5.77e-03	-4.11e-04	-1.11e-03
181	7	-0.49	-2.68	0.79	4.26e-03	4.82e-04	1.02e-03
181	8	-1.44	0.16	-0.05	-2.60e-04	-6.95e-05	3.42e-04
181	9	-1.44	0.16	-0.05	-2.60e-04	-6.95e-05	3.42e-04
181	10	0.16	-1.15	0.34	1.84e-03	-1.34e-04	-3.56e-04
181	11	-0.16	-0.85	0.25	1.36e-03	1.55e-04	3.25e-04
181	12	0.28	0.09	0.19	0.0	4.58e-06	0.0
181	13	-5.06e-04	-10.21	2.97	0.02	-4.48e-04	2.74e-04
182	1	-1.85e-04	0.05	-0.08	-2.69e-04	2.00e-04	-7.35e-05
182	2	-3.83e-04	-0.11	-0.16	-1.50e-05	5.93e-04	-1.87e-04
182	3	-7.50e-04	-0.21	-0.31	-2.94e-05	1.16e-03	-3.67e-04
182	4	-4.51	0.66	-0.19	-1.03e-03	2.38e-04	9.40e-04
182	5	-4.51	0.66	-0.19	-1.03e-03	2.38e-04	9.40e-04
182	6	0.49	-3.78	1.11	5.95e-03	-3.59e-04	-1.11e-03
182	7	-0.49	-2.58	0.75	4.07e-03	4.27e-04	1.14e-03
182	8	-1.44	0.21	-0.06	-3.28e-04	7.56e-05	2.99e-04
182	9	-1.44	0.21	-0.06	-3.28e-04	7.56e-05	2.99e-04
182	10	0.16	-1.20	0.35	1.90e-03	-1.16e-04	-3.57e-04
182	11	-0.16	-0.82	0.24	1.30e-03	1.38e-04	3.64e-04
182	12	0.36	0.09	0.19	0.0	-1.51e-06	0.0
182	13	-4.28e-04	-10.11	3.21	0.02	-1.00e-03	4.20e-04
183	1	-1.88e-04	0.06	-0.07	-2.67e-04	-2.46e-04	1.00e-04
183	2	-3.98e-04	-0.10	-0.14	3.25e-06	-7.03e-04	2.62e-04
183	3	-7.79e-04	-0.19	-0.28	6.36e-06	-1.38e-03	5.12e-04
183	4	-4.51	0.78	-0.23	-1.25e-03	2.30e-04	8.75e-04
183	5	-4.51	0.78	-0.23	-1.25e-03	2.30e-04	8.75e-04
183	6	0.49	-3.84	1.13	6.06e-03	-3.05e-04	9.03e-04
183	7	-0.49	-2.43	0.72	3.87e-03	4.22e-04	1.28e-03
183	8	-1.44	0.25	-0.07	-3.96e-04	7.33e-05	2.78e-04
183	9	-1.44	0.25	-0.07	-3.96e-04	7.33e-05	2.78e-04
183	10	0.16	-1.22	0.36	1.93e-03	-9.83e-05	2.94e-04
183	11	-0.16	-0.77	0.23	1.23e-03	1.35e-04	4.13e-04
183	12	0.44	0.09	0.19	1.84e-06	-2.13e-06	0.0
183	13	-3.49e-04	-9.91	3.13	0.01	2.05e-03	1.09e-03
184	1	-1.91e-04	0.11	-0.03	-2.01e-04	0.0	1.88e-04
184	2	-4.12e-04	0.05	-0.02	1.17e-04	1.53e-05	4.33e-04
184	3	-8.07e-04	0.10	-0.03	2.30e-04	2.99e-05	8.46e-04
184	4	-4.51	0.89	-0.27	-1.43e-03	-1.80e-04	1.02e-03
184	5	-4.51	0.89	-0.27	-1.43e-03	-1.80e-04	1.02e-03
184	6	0.49	-3.82	1.15	6.10e-03	3.12e-04	8.17e-04
184	7	-0.49	-2.25	0.68	3.64e-03	4.44e-04	1.11e-03
184	8	-1.44	0.28	-0.09	-4.55e-04	-5.73e-05	3.23e-04
184	9	-1.44	0.28	-0.09	-4.55e-04	-5.73e-05	3.23e-04
184	10	0.16	-1.22	0.36	1.94e-03	1.00e-04	2.66e-04
184	11	-0.16	-0.72	0.22	1.16e-03	1.43e-04	3.57e-04
184	12	0.52	0.09	0.19	1.05e-06	3.35e-06	-1.29e-06
184	13	-2.71e-04	-9.69	2.82	0.01	5.14e-04	3.30e-04
185	1	-1.92e-04	0.12	-0.03	-1.00e-04	2.62e-04	5.47e-05
185	2	-4.16e-04	0.06	-0.03	2.52e-04	7.01e-04	1.47e-04
185	3	-8.13e-04	0.12	-0.06	4.94e-04	1.37e-03	2.87e-04
185	4	-4.51	0.92	-0.28	-1.45e-03	-1.70e-04	1.16e-03
185	5	-4.51	0.92	-0.28	-1.45e-03	-1.70e-04	1.16e-03
185	6	0.49	-3.84	1.15	6.05e-03	3.41e-04	-8.62e-04
185	7	-0.49	-2.24	0.67	3.56e-03	4.79e-04	9.23e-04
185	8	-1.44	0.29	-0.09	-4.61e-04	-5.42e-05	3.68e-04
185	9	-1.44	0.29	-0.09	-4.61e-04	-5.42e-05	3.68e-04
185	10	0.16	-1.22	0.36	1.92e-03	1.11e-04	-2.74e-04
185	11	-0.16	-0.71	0.21	1.13e-03	1.55e-04	2.93e-04
185	12	0.54	0.09	0.19	0.0	3.15e-06	7.77e-06
185	13	-2.54e-04	-9.69	2.82	0.01	-9.13e-04	-1.52e-04
186	1	-1.93e-04	0.12	-0.05	-1.98e-04	5.17e-04	-1.01e-04
186	2	-4.21e-04	0.06	-0.06	1.14e-04	1.37e-03	-1.93e-04
186	3	-8.23e-04	0.11	-0.12	2.23e-04	2.68e-03	-3.77e-04
186	4	-4.51	0.95	-0.28	-1.50e-03	-1.85e-04	1.08e-03
186	5	-4.51	0.95	-0.28	-1.50e-03	-1.85e-04	1.08e-03
186	6	0.49	-3.86	1.15	6.12e-03	3.24e-04	-9.07e-04
186	7	-0.49	-2.23	0.66	3.56e-03	4.42e-04	9.73e-04
186	8	-1.44	0.30	-0.09	-4.76e-04	-5.90e-05	3.45e-04
186	9	-1.44	0.30	-0.09	-4.76e-04	-5.90e-05	3.45e-04
186	10	0.16	-1.23	0.36	1.95e-03	1.06e-04	-2.90e-04

186	11	-0.16	-0.71	0.21	1.14e-03	1.43e-04	3.10e-04
186	12	0.55	0.09	0.19	0.0	0.0	0.0
186	13	-2.37e-04	-9.68	2.88	0.01	-2.50e-03	4.65e-04
187	1	-2.00e-04	0.06	-0.17	-2.49e-04	5.83e-04	-8.75e-05
187	2	-4.45e-04	-0.08	-0.39	-2.56e-05	1.58e-03	-2.19e-04
187	3	-8.71e-04	-0.15	-0.76	-5.01e-05	3.09e-03	-4.28e-04
187	4	-4.51	1.08	-0.32	-1.70e-03	2.55e-04	9.19e-04
187	5	-4.51	1.08	-0.32	-1.70e-03	2.55e-04	9.19e-04
187	6	0.49	-3.94	1.15	6.15e-03	2.64e-04	-7.77e-04
187	7	-0.49	-2.14	0.63	3.39e-03	3.81e-04	1.07e-03
187	8	-1.44	0.34	-0.10	-5.39e-04	8.10e-05	2.92e-04
187	9	-1.44	0.34	-0.10	-5.39e-04	8.10e-05	2.92e-04
187	10	0.16	-1.25	0.37	1.96e-03	8.70e-05	-2.52e-04
187	11	-0.16	-0.68	0.20	1.08e-03	1.23e-04	3.43e-04
187	12	0.63	0.09	0.19	3.66e-06	-1.13e-05	1.30e-06
187	13	-1.53e-04	-9.34	3.53	0.01	-3.03e-03	1.39e-03
188	1	-2.07e-04	0.05	-0.19	-2.29e-04	-3.50e-04	-1.62e-05
188	2	-4.71e-04	-0.12	-0.45	-5.61e-05	-1.06e-03	-5.18e-05
188	3	-9.22e-04	-0.23	-0.88	-1.10e-04	-2.07e-03	-1.01e-04
188	4	-4.51	1.18	-0.36	-1.88e-03	1.79e-04	8.03e-04
188	5	-4.51	1.18	-0.36	-1.88e-03	1.79e-04	8.03e-04
188	6	0.49	-3.89	1.15	6.09e-03	3.25e-04	7.09e-04
188	7	-0.49	-2.00	0.60	3.18e-03	4.40e-04	1.15e-03
188	8	-1.44	0.37	-0.11	-5.99e-04	5.68e-05	2.55e-04
188	9	-1.44	0.37	-0.11	-5.99e-04	5.68e-05	2.55e-04
188	10	0.16	-1.24	0.37	1.94e-03	1.10e-04	2.37e-04
188	11	-0.16	-0.64	0.19	1.01e-03	1.46e-04	3.70e-04
188	12	0.71	0.09	0.19	9.74e-06	-1.60e-06	3.69e-06
188	13	-6.81e-05	-8.77	3.59	0.01	3.31e-03	2.75e-03
189	1	-2.15e-04	0.06	-0.06	-9.23e-05	-1.07e-03	-8.97e-05
189	2	-4.96e-04	-0.08	-0.07	1.54e-04	-2.95e-03	-3.19e-04
189	3	-9.71e-04	-0.16	-0.14	3.02e-04	-5.76e-03	-6.24e-04
189	4	-4.51	1.26	-0.38	-2.00e-03	-1.08e-04	9.44e-04
189	5	-4.51	1.26	-0.38	-2.00e-03	-1.08e-04	9.44e-04
189	6	0.49	-3.77	1.13	5.94e-03	5.17e-04	5.81e-04
189	7	-0.49	-1.85	0.56	2.94e-03	5.50e-04	1.02e-03
189	8	-1.44	0.40	-0.12	-6.35e-04	-3.45e-05	3.00e-04
189	9	-1.44	0.40	-0.12	-6.35e-04	-3.45e-05	3.00e-04
189	10	0.16	-1.20	0.36	1.89e-03	1.73e-04	1.89e-04
189	11	-0.16	-0.59	0.18	9.34e-04	1.83e-04	3.25e-04
189	12	0.79	0.10	0.19	2.23e-06	3.18e-05	4.57e-06
189	13	1.89e-05	-8.08	2.61	0.01	8.24e-03	2.64e-03
190	1	-2.16e-04	0.06	-0.02	-7.44e-06	-1.07e-03	-2.20e-04
190	2	-5.02e-04	-0.10	0.02	2.34e-04	-2.95e-03	-6.11e-04
190	3	-9.82e-04	-0.19	0.05	4.58e-04	-5.77e-03	-1.20e-03
190	4	-4.51	1.29	-0.38	-1.99e-03	-1.85e-04	1.11e-03
190	5	-4.51	1.29	-0.38	-1.99e-03	-1.85e-04	1.11e-03
190	6	0.49	-3.79	1.12	5.86e-03	5.91e-04	-7.61e-04
190	7	-0.49	-1.84	0.54	2.86e-03	5.93e-04	9.07e-04
190	8	-1.44	0.41	-0.12	-6.33e-04	-5.89e-05	3.52e-04
190	9	-1.44	0.41	-0.12	-6.33e-04	-5.89e-05	3.52e-04
190	10	0.16	-1.20	0.35	1.86e-03	1.94e-04	-2.42e-04
190	11	-0.16	-0.59	0.17	9.11e-04	1.96e-04	2.89e-04
190	12	0.81	0.10	0.19	-2.28e-06	3.84e-05	1.97e-05
190	13	3.67e-05	-8.01	2.33	0.01	8.57e-03	1.84e-03
191	1	-1.45e-04	0.06	-0.04	-3.17e-04	7.59e-05	2.33e-05
191	2	-2.06e-04	-0.10	0.04	-5.62e-05	1.99e-04	5.91e-05
191	3	-4.04e-04	-0.19	0.07	-1.10e-04	3.89e-04	1.16e-04
191	4	-4.62	-1.33	0.58	2.13e-03	-0.01	-1.40e-03
191	5	-4.62	-1.33	0.58	2.13e-03	-0.01	-1.40e-03
191	6	0.50	-1.90	0.84	3.08e-03	1.28e-03	-8.97e-04
191	7	-0.50	-3.92	1.71	6.29e-03	-1.27e-03	8.99e-04
191	8	-1.47	-0.42	0.18	6.78e-04	-3.70e-03	-4.47e-04
191	9	-1.47	-0.42	0.18	6.78e-04	-3.70e-03	-4.47e-04
191	10	0.16	-0.61	0.27	9.82e-04	4.05e-04	-2.85e-04
191	11	-0.16	-1.24	0.54	2.00e-03	-4.03e-04	2.86e-04
191	12	-0.80	0.14	0.20	-2.81e-06	-2.09e-03	-4.36e-04
191	13	-2.42e-03	-8.28	3.55	0.01	-5.52e-04	-1.26e-04
192	1	-2.21e-04	0.13	-0.06	-6.53e-04	-1.55e-05	-3.52e-06
192	2	-4.21e-04	0.06	-0.03	-5.28e-04	-4.16e-05	-9.22e-06
192	3	-8.24e-04	0.12	-0.06	-1.03e-03	-8.13e-05	-1.80e-05
192	4	-4.62	-0.95	0.42	1.57e-03	-0.01	-1.40e-03
192	5	-4.62	-0.95	0.42	1.57e-03	-0.01	-1.40e-03
192	6	0.50	-2.31	1.04	3.91e-03	1.27e-03	-8.96e-04
192	7	-0.50	-3.97	1.76	6.58e-03	-1.27e-03	9.02e-04
192	8	-1.47	-0.30	0.13	5.00e-04	-3.70e-03	-4.44e-04

192	9	-1.47	-0.30	0.13	5.00e-04	-3.70e-03	-4.44e-04
192	10	0.16	-0.74	0.33	1.25e-03	4.04e-04	-2.85e-04
192	11	-0.16	-1.26	0.56	2.10e-03	-4.05e-04	2.87e-04
192	12	-0.54	0.14	0.20	0.0	-1.39e-03	-2.90e-04
192	13	-1.83e-03	-10.00	4.27	0.02	5.72e-05	3.56e-05
193	1	-1.96e-04	0.11	-0.06	-6.34e-04	2.49e-06	1.18e-06
193	2	-3.78e-04	0.02	-0.02	-5.12e-04	7.77e-06	3.59e-06
193	3	-7.40e-04	0.04	-0.04	-1.00e-03	1.52e-05	7.03e-06
193	4	-4.62	-0.50	0.23	8.43e-04	-0.01	-1.40e-03
193	5	-4.62	-0.50	0.23	8.43e-04	-0.01	-1.40e-03
193	6	0.50	-2.79	1.24	4.66e-03	1.27e-03	-8.95e-04
193	7	-0.50	-3.71	1.65	6.20e-03	-1.28e-03	9.00e-04
193	8	-1.47	-0.16	0.07	2.68e-04	-3.70e-03	-4.45e-04
193	9	-1.47	-0.16	0.07	2.68e-04	-3.70e-03	-4.45e-04
193	10	0.16	-0.89	0.39	1.49e-03	4.04e-04	-2.85e-04
193	11	-0.16	-1.18	0.53	1.98e-03	-4.06e-04	2.86e-04
193	12	-0.27	0.14	0.20	1.48e-06	-6.96e-04	-1.45e-04
193	13	-1.61e-03	-10.55	4.53	0.02	-3.90e-05	0.0
194	1	-1.89e-04	0.11	-0.06	-6.13e-04	0.0	0.0
194	2	-3.79e-04	0.02	-0.02	-4.68e-04	0.0	0.0
194	3	-7.41e-04	0.05	-0.04	-9.16e-04	-1.92e-06	0.0
194	4	-4.62	-1.94e-03	8.62e-04	3.21e-06	-0.01	-1.40e-03
194	5	-4.62	-1.94e-03	8.62e-04	3.21e-06	-0.01	-1.40e-03
194	6	0.50	-3.28	1.46	5.49e-03	1.27e-03	-8.96e-04
194	7	-0.50	-3.28	1.46	5.48e-03	-1.28e-03	8.99e-04
194	8	-1.47	-6.16e-04	2.74e-04	1.02e-06	-3.70e-03	-4.44e-04
194	9	-1.47	-6.16e-04	2.74e-04	1.02e-06	-3.70e-03	-4.44e-04
194	10	0.16	-1.04	0.47	1.75e-03	4.04e-04	-2.85e-04
194	11	-0.16	-1.04	0.47	1.75e-03	-4.06e-04	2.86e-04
194	12	0.0	0.14	0.20	1.57e-06	0.0	0.0
194	13	-1.22e-03	-10.75	4.61	0.02	-1.41e-06	3.87e-06
195	1	-1.81e-04	0.11	-0.06	-6.34e-04	-3.72e-06	-1.10e-06
195	2	-3.80e-04	0.02	-0.02	-5.12e-04	-9.74e-06	-2.75e-06
195	3	-7.42e-04	0.04	-0.04	-1.00e-03	-1.91e-05	-5.39e-06
195	4	-4.62	0.50	-0.23	-8.43e-04	-0.01	-1.40e-03
195	5	-4.62	0.50	-0.23	-8.43e-04	-0.01	-1.40e-03
195	6	0.50	-3.71	1.65	6.20e-03	1.27e-03	-8.96e-04
195	7	-0.50	-2.78	1.24	4.66e-03	-1.28e-03	8.99e-04
195	8	-1.47	0.16	-0.07	-2.68e-04	-3.70e-03	-4.45e-04
195	9	-1.47	0.16	-0.07	-2.68e-04	-3.70e-03	-4.45e-04
195	10	0.16	-1.18	0.53	1.98e-03	4.03e-04	-2.85e-04
195	11	-0.16	-0.89	0.39	1.49e-03	-4.07e-04	2.86e-04
195	12	0.27	0.14	0.20	1.48e-06	6.96e-04	1.45e-04
195	13	-8.21e-04	-10.55	4.53	0.02	3.62e-05	7.56e-06
196	1	-1.57e-04	0.13	-0.06	-6.53e-04	1.43e-05	3.62e-06
196	2	-3.37e-04	0.06	-0.03	-5.28e-04	3.96e-05	1.01e-05
196	3	-6.59e-04	0.12	-0.06	-1.03e-03	7.74e-05	1.97e-05
196	4	-4.62	0.95	-0.42	-1.57e-03	-0.01	-1.40e-03
196	5	-4.62	0.95	-0.42	-1.57e-03	-0.01	-1.40e-03
196	6	0.50	-3.97	1.76	6.58e-03	1.27e-03	-8.98e-04
196	7	-0.50	-2.31	1.04	3.91e-03	-1.28e-03	8.99e-04
196	8	-1.47	0.30	-0.13	-5.00e-04	-3.70e-03	-4.44e-04
196	9	-1.47	0.30	-0.13	-5.00e-04	-3.70e-03	-4.44e-04
196	10	0.16	-1.26	0.56	2.10e-03	4.02e-04	-2.85e-04
196	11	-0.16	-0.74	0.33	1.25e-03	-4.06e-04	2.86e-04
196	12	0.54	0.14	0.20	0.0	1.39e-03	2.90e-04
196	13	-6.06e-04	-10.00	4.27	0.02	-5.99e-05	-2.79e-05
197	1	-2.33e-04	0.06	-0.04	-3.17e-04	-7.71e-05	-2.33e-05
197	2	-5.53e-04	-0.10	0.04	-5.49e-05	-2.01e-04	-5.83e-05
197	3	-1.08e-03	-0.19	0.07	-1.07e-04	-3.93e-04	-1.14e-04
197	4	-4.62	1.33	-0.58	-2.13e-03	-0.01	-1.40e-03
197	5	-4.62	1.33	-0.58	-2.13e-03	-0.01	-1.40e-03
197	6	0.50	-3.91	1.71	6.28e-03	1.26e-03	-8.96e-04
197	7	-0.50	-1.90	0.83	3.08e-03	-1.28e-03	9.01e-04
197	8	-1.47	0.42	-0.18	-6.77e-04	-3.70e-03	-4.47e-04
197	9	-1.47	0.42	-0.18	-6.77e-04	-3.70e-03	-4.47e-04
197	10	0.16	-1.24	0.54	2.00e-03	4.01e-04	-2.85e-04
197	11	-0.16	-0.60	0.27	9.81e-04	-4.08e-04	2.86e-04
197	12	0.80	0.14	0.20	-2.81e-06	2.09e-03	4.36e-04
197	13	-4.65e-06	-8.27	3.55	0.01	5.50e-04	1.34e-04
198	1	-2.89e-04	0.07	-0.10	-8.56e-04	1.30e-03	2.71e-04
198	2	-6.23e-04	-0.09	5.55e-03	-5.01e-04	3.30e-03	6.91e-04
198	3	-1.22e-03	-0.18	0.01	-9.80e-04	6.46e-03	1.35e-03
198	4	-4.74	-1.38	0.79	2.16e-03	-1.54e-04	1.27e-03
198	5	-4.74	-1.38	0.79	2.16e-03	-1.54e-04	1.27e-03
198	6	0.52	-1.97	1.14	3.15e-03	-1.13e-03	-1.02e-03

198	7	-0.53	-4.05	2.33	6.41e-03	-1.03e-03	8.09e-04
198	8	-1.51	-0.44	0.25	6.88e-04	-4.89e-05	4.04e-04
198	9	-1.51	-0.44	0.25	6.88e-04	-4.89e-05	4.04e-04
198	10	0.17	-0.63	0.36	1.00e-03	-3.80e-04	-3.26e-04
198	11	-0.17	-1.29	0.74	2.04e-03	-3.54e-04	2.59e-04
198	12	-0.81	0.19	0.21	-3.40e-06	-4.54e-05	0.0
198	13	-1.72e-03	-8.57	4.92	0.01	-0.01	-2.16e-03
199	1	-2.87e-04	0.08	-0.14	-8.35e-04	1.30e-03	1.33e-04
199	2	-6.18e-04	-0.08	-0.10	-5.64e-04	3.30e-03	3.91e-04
199	3	-1.21e-03	-0.15	-0.20	-1.10e-03	6.45e-03	7.66e-04
199	4	-4.74	-1.35	0.79	2.12e-03	-1.74e-04	9.61e-04
199	5	-4.74	-1.35	0.79	2.12e-03	-1.74e-04	9.61e-04
199	6	0.52	-1.98	1.16	3.19e-03	-1.10e-03	-1.10e-03
199	7	-0.53	-4.04	2.35	6.43e-03	-9.80e-04	-6.02e-04
199	8	-1.51	-0.43	0.25	6.74e-04	-5.55e-05	3.05e-04
199	9	-1.51	-0.43	0.25	6.74e-04	-5.55e-05	3.05e-04
199	10	0.17	-0.63	0.37	1.02e-03	-3.71e-04	-3.50e-04
199	11	-0.17	-1.28	0.75	2.05e-03	-3.42e-04	-1.94e-04
199	12	-0.79	0.19	0.21	-6.29e-06	-3.36e-05	-1.07e-05
199	13	-1.73e-03	-8.66	5.24	0.01	-9.70e-03	-2.92e-03
200	1	-2.75e-04	0.07	-0.31	-1.00e-03	5.27e-04	5.90e-05
200	2	-5.90e-04	-0.10	-0.53	-6.88e-04	1.31e-03	1.21e-04
200	3	-1.15e-03	-0.20	-1.04	-1.35e-03	2.57e-03	2.37e-04
200	4	-4.74	-1.26	0.74	1.95e-03	3.73e-04	8.77e-04
200	5	-4.74	-1.26	0.74	1.95e-03	3.73e-04	8.77e-04
200	6	0.52	-2.13	1.26	3.47e-03	-9.36e-04	-1.24e-03
200	7	-0.53	-4.16	2.41	6.58e-03	-7.16e-04	-7.35e-04
200	8	-1.51	-0.40	0.24	6.20e-04	1.19e-04	2.79e-04
200	9	-1.51	-0.40	0.24	6.20e-04	1.19e-04	2.79e-04
200	10	0.17	-0.68	0.40	1.11e-03	-3.13e-04	-3.97e-04
200	11	-0.17	-1.32	0.77	2.10e-03	-2.48e-04	-2.42e-04
200	12	-0.71	0.19	0.21	-1.03e-05	0.0	-1.38e-06
200	13	-1.78e-03	-9.39	6.45	0.02	-4.62e-03	-2.96e-03
201	1	-2.61e-04	0.09	-0.30	-1.23e-03	-4.89e-04	9.52e-05
201	2	-5.59e-04	-0.06	-0.50	-1.11e-03	-1.48e-03	2.09e-04
201	3	-1.09e-03	-0.11	-0.97	-2.17e-03	-2.89e-03	4.09e-04
201	4	-4.74	-1.16	0.67	1.82e-03	4.71e-04	9.91e-04
201	5	-4.74	-1.16	0.67	1.82e-03	4.71e-04	9.91e-04
201	6	0.52	-2.28	1.34	3.75e-03	-8.06e-04	-1.16e-03
201	7	-0.53	-4.21	2.42	6.71e-03	-5.26e-04	8.27e-04
201	8	-1.51	-0.37	0.21	5.77e-04	1.50e-04	3.15e-04
201	9	-1.51	-0.37	0.21	5.77e-04	1.50e-04	3.15e-04
201	10	0.17	-0.73	0.43	1.20e-03	-2.61e-04	-3.73e-04
201	11	-0.17	-1.34	0.77	2.15e-03	-1.72e-04	2.68e-04
201	12	-0.63	0.19	0.21	-3.86e-06	1.05e-05	0.0
201	13	-1.80e-03	-10.00	6.58	0.02	2.07e-03	-1.52e-03
202	1	-2.50e-04	0.15	-0.19	-1.46e-03	-4.74e-04	1.22e-04
202	2	-5.36e-04	0.08	-0.18	-1.54e-03	-1.31e-03	2.26e-04
202	3	-1.05e-03	0.16	-0.35	-3.02e-03	-2.55e-03	4.43e-04
202	4	-4.74	-1.02	0.59	1.66e-03	4.22e-04	1.11e-03
202	5	-4.74	-1.02	0.59	1.66e-03	4.22e-04	1.11e-03
202	6	0.52	-2.38	1.41	4.02e-03	-8.52e-04	-1.05e-03
202	7	-0.53	-4.13	2.42	6.79e-03	-5.92e-04	9.50e-04
202	8	-1.51	-0.32	0.19	5.27e-04	1.34e-04	3.53e-04
202	9	-1.51	-0.32	0.19	5.27e-04	1.34e-04	3.53e-04
202	10	0.17	-0.76	0.45	1.29e-03	-2.74e-04	-3.36e-04
202	11	-0.17	-1.31	0.77	2.17e-03	-1.92e-04	3.03e-04
202	12	-0.55	0.19	0.21	1.01e-06	0.0	-2.52e-06
202	13	-1.80e-03	-10.36	6.06	0.02	1.74e-03	-6.67e-04
203	1	-2.49e-04	0.15	-0.18	-1.60e-03	-2.04e-04	-4.28e-05
203	2	-5.33e-04	0.09	-0.15	-1.66e-03	-5.80e-04	-1.21e-04
203	3	-1.04e-03	0.17	-0.29	-3.24e-03	-1.14e-03	-2.37e-04
203	4	-4.74	-0.98	0.58	1.62e-03	-3.73e-04	1.32e-03
203	5	-4.74	-0.98	0.58	1.62e-03	-3.73e-04	1.32e-03
203	6	0.52	-2.40	1.43	4.09e-03	-8.87e-04	-1.03e-03
203	7	-0.53	-4.11	2.42	6.82e-03	-6.14e-04	9.33e-04
203	8	-1.51	-0.31	0.18	5.16e-04	-1.19e-04	4.19e-04
203	9	-1.51	-0.31	0.18	5.16e-04	-1.19e-04	4.19e-04
203	10	0.17	-0.76	0.46	1.32e-03	-2.85e-04	-3.28e-04
203	11	-0.17	-1.31	0.77	2.18e-03	-1.99e-04	2.97e-04
203	12	-0.54	0.19	0.21	1.08e-06	-6.10e-06	4.31e-06
203	13	-1.80e-03	-10.38	6.03	0.02	6.88e-05	-2.90e-05
204	1	-2.48e-04	0.15	-0.18	-1.50e-03	5.84e-05	-1.82e-04
204	2	-5.31e-04	0.08	-0.14	-1.66e-03	1.26e-04	-4.08e-04
204	3	-1.04e-03	0.15	-0.28	-3.25e-03	2.46e-04	-7.99e-04
204	4	-4.74	-0.95	0.57	1.58e-03	4.17e-04	1.05e-03

204	5	-4.74	-0.95	0.57	1.58e-03	4.17e-04	1.05e-03
204	6	0.52	-2.41	1.45	4.12e-03	-8.71e-04	-1.18e-03
204	7	-0.53	-4.09	2.42	6.79e-03	-6.15e-04	-8.59e-04
204	8	-1.51	-0.30	0.18	5.01e-04	1.33e-04	3.33e-04
204	9	-1.51	-0.30	0.18	5.01e-04	1.33e-04	3.33e-04
204	10	0.17	-0.77	0.46	1.33e-03	-2.81e-04	-3.79e-04
204	11	-0.17	-1.30	0.77	2.17e-03	-2.01e-04	-2.78e-04
204	12	-0.52	0.19	0.21	0.0	-3.14e-06	-2.09e-06
204	13	-1.79e-03	-10.39	6.05	0.02	-1.36e-03	-4.72e-04
205	1	-2.42e-04	0.09	-0.23	-1.49e-03	2.69e-04	-8.69e-05
205	2	-5.19e-04	-0.06	-0.29	-1.77e-03	7.93e-04	-2.20e-04
205	3	-1.01e-03	-0.13	-0.57	-3.46e-03	1.55e-03	-4.31e-04
205	4	-4.74	-0.83	0.49	1.37e-03	4.81e-04	9.56e-04
205	5	-4.74	-0.83	0.49	1.37e-03	4.81e-04	9.56e-04
205	6	0.52	-2.60	1.53	4.37e-03	-8.49e-04	-1.35e-03
205	7	-0.53	-4.11	2.39	6.75e-03	6.41e-04	-9.65e-04
205	8	-1.51	-0.27	0.16	4.36e-04	1.53e-04	3.04e-04
205	9	-1.51	-0.27	0.16	4.36e-04	1.53e-04	3.04e-04
205	10	0.17	-0.83	0.49	1.41e-03	-2.72e-04	-4.36e-04
205	11	-0.17	-1.31	0.76	2.16e-03	2.08e-04	-3.12e-04
205	12	-0.44	0.19	0.21	0.0	1.30e-06	0.0
205	13	-1.78e-03	-10.63	6.50	0.02	-2.66e-03	-1.20e-03
206	1	-2.33e-04	0.09	-0.23	-1.45e-03	-2.51e-04	5.37e-05
206	2	-4.99e-04	-0.08	-0.30	-1.69e-03	-7.14e-04	1.38e-04
206	3	-9.77e-04	-0.15	-0.59	-3.31e-03	-1.40e-03	2.70e-04
206	4	-4.74	-0.71	0.41	1.16e-03	5.03e-04	1.02e-03
206	5	-4.74	-0.71	0.41	1.16e-03	5.03e-04	1.02e-03
206	6	0.52	-2.76	1.61	4.59e-03	-8.58e-04	-1.23e-03
206	7	-0.53	-4.04	2.34	6.63e-03	7.37e-04	1.18e-03
206	8	-1.51	-0.22	0.13	3.69e-04	1.60e-04	3.24e-04
206	9	-1.51	-0.22	0.13	3.69e-04	1.60e-04	3.24e-04
206	10	0.17	-0.88	0.51	1.48e-03	-2.75e-04	-3.92e-04
206	11	-0.17	-1.28	0.75	2.13e-03	2.39e-04	3.78e-04
206	12	-0.36	0.19	0.21	2.42e-06	1.06e-06	0.0
206	13	-1.76e-03	-10.84	6.63	0.02	9.50e-04	-4.09e-04
207	1	-2.26e-04	0.13	-0.18	-1.43e-03	-1.92e-04	1.37e-04
207	2	-4.86e-04	0.04	-0.14	-1.55e-03	-4.89e-04	2.88e-04
207	3	-9.51e-04	0.07	-0.27	-3.03e-03	-9.57e-04	5.63e-04
207	4	-4.74	-0.56	0.32	9.21e-04	-4.78e-04	1.11e-03
207	5	-4.74	-0.56	0.32	9.21e-04	-4.78e-04	1.11e-03
207	6	0.52	-2.86	1.69	4.80e-03	-9.27e-04	-1.10e-03
207	7	-0.53	-3.87	2.28	6.46e-03	8.16e-04	1.19e-03
207	8	-1.51	-0.18	0.10	2.93e-04	-1.52e-04	3.52e-04
207	9	-1.51	-0.18	0.10	2.93e-04	-1.52e-04	3.52e-04
207	10	0.17	-0.91	0.54	1.54e-03	-2.97e-04	-3.52e-04
207	11	-0.17	-1.23	0.73	2.07e-03	2.65e-04	3.81e-04
207	12	-0.28	0.19	0.21	2.14e-06	-4.38e-06	-1.73e-06
207	13	-1.73e-03	-10.94	6.38	0.02	5.09e-04	-2.86e-04
208	1	-2.25e-04	0.13	-0.17	-1.53e-03	2.76e-05	5.62e-06
208	2	-4.84e-04	0.04	-0.13	-1.55e-03	9.12e-05	1.92e-05
208	3	-9.47e-04	0.09	-0.26	-3.03e-03	1.78e-04	3.75e-05
208	4	-4.74	-0.52	0.31	8.71e-04	-4.60e-04	1.31e-03
208	5	-4.74	-0.52	0.31	8.71e-04	-4.60e-04	1.31e-03
208	6	0.52	-2.88	1.71	4.87e-03	-9.62e-04	-1.06e-03
208	7	-0.53	-3.84	2.27	6.45e-03	8.38e-04	1.03e-03
208	8	-1.51	-0.17	0.10	2.77e-04	-1.46e-04	4.18e-04
208	9	-1.51	-0.17	0.10	2.77e-04	-1.46e-04	4.18e-04
208	10	0.17	-0.92	0.54	1.56e-03	-3.09e-04	-3.36e-04
208	11	-0.17	-1.22	0.72	2.07e-03	2.72e-04	3.28e-04
208	12	-0.27	0.19	0.21	1.65e-06	-6.92e-06	1.44e-06
208	13	-1.72e-03	-10.95	6.38	0.02	-7.62e-04	-1.76e-04
209	1	-2.24e-04	0.13	-0.18	-1.42e-03	2.44e-04	-1.33e-04
209	2	-4.82e-04	0.04	-0.14	-1.51e-03	6.61e-04	-2.67e-04
209	3	-9.43e-04	0.08	-0.28	-2.96e-03	1.29e-03	-5.22e-04
209	4	-4.74	-0.49	0.30	8.17e-04	-4.82e-04	1.08e-03
209	5	-4.74	-0.49	0.30	8.17e-04	-4.82e-04	1.08e-03
209	6	0.52	-2.90	1.72	4.89e-03	-9.53e-04	-1.24e-03
209	7	-0.53	-3.82	2.26	6.39e-03	8.38e-04	1.01e-03
209	8	-1.51	-0.16	0.09	2.60e-04	-1.53e-04	3.43e-04
209	9	-1.51	-0.16	0.09	2.60e-04	-1.53e-04	3.43e-04
209	10	0.17	-0.92	0.55	1.57e-03	-3.08e-04	-3.95e-04
209	11	-0.17	-1.22	0.72	2.05e-03	2.74e-04	3.24e-04
209	12	-0.25	0.19	0.21	1.08e-06	-4.85e-06	-1.79e-06
209	13	-1.72e-03	-10.96	6.43	0.02	-1.93e-03	-4.11e-04
210	1	-2.18e-04	0.08	-0.24	-1.36e-03	2.85e-04	-6.45e-05
210	2	-4.70e-04	-0.08	-0.34	-1.48e-03	8.32e-04	-1.60e-04

210	3	-9.19e-04	-0.16	-0.66	-2.89e-03	1.63e-03	-3.13e-04
210	4	-4.74	-0.34	0.21	5.65e-04	5.43e-04	1.02e-03
210	5	-4.74	-0.34	0.21	5.65e-04	5.43e-04	1.02e-03
210	6	0.52	-3.11	1.82	5.14e-03	-9.48e-04	-1.39e-03
210	7	-0.53	-3.76	2.19	6.19e-03	8.10e-04	1.14e-03
210	8	-1.51	-0.11	0.07	1.80e-04	1.73e-04	3.24e-04
210	9	-1.51	-0.11	0.07	1.80e-04	1.73e-04	3.24e-04
210	10	0.17	-0.99	0.58	1.65e-03	-3.10e-04	-4.46e-04
210	11	-0.17	-1.20	0.70	1.99e-03	2.64e-04	3.63e-04
210	12	-0.17	0.19	0.21	0.0	0.0	0.0
210	13	-1.70e-03	-11.10	6.88	0.02	-2.17e-03	-6.96e-04
211	1	-2.10e-04	0.08	-0.24	-1.35e-03	-3.07e-04	6.09e-05
211	2	-4.50e-04	-0.08	-0.33	-1.48e-03	-8.88e-04	1.54e-04
211	3	-8.81e-04	-0.16	-0.65	-2.89e-03	-1.74e-03	3.01e-04
211	4	-4.74	-0.19	0.11	3.18e-04	5.70e-04	1.05e-03
211	5	-4.74	-0.19	0.11	3.18e-04	5.70e-04	1.05e-03
211	6	0.52	-3.27	1.90	5.39e-03	-8.70e-04	-1.27e-03
211	7	-0.53	-3.62	2.12	5.97e-03	8.45e-04	1.35e-03
211	8	-1.51	-0.06	0.04	1.01e-04	1.81e-04	3.33e-04
211	9	-1.51	-0.06	0.04	1.01e-04	1.81e-04	3.33e-04
211	10	0.17	-1.04	0.61	1.73e-03	-2.82e-04	-4.12e-04
211	11	-0.17	-1.15	0.68	1.92e-03	2.73e-04	4.33e-04
211	12	-0.09	0.19	0.21	0.0	1.81e-06	0.0
211	13	-1.67e-03	-11.17	6.89	0.02	1.88e-03	1.88e-04
212	1	-2.04e-04	0.13	-0.17	-1.40e-03	-2.34e-04	1.38e-04
212	2	-4.38e-04	0.04	-0.14	-1.48e-03	-6.21e-04	2.85e-04
212	3	-8.57e-04	0.08	-0.27	-2.89e-03	-1.22e-03	5.58e-04
212	4	-4.74	-0.04	-0.02	5.66e-05	-5.53e-04	1.11e-03
212	5	-4.74	-0.04	-0.02	5.66e-05	-5.53e-04	1.11e-03
212	6	0.52	-3.37	1.99	5.64e-03	-8.91e-04	-1.10e-03
212	7	-0.53	-3.42	2.03	5.73e-03	9.18e-04	1.25e-03
212	8	-1.51	-0.01	-5.75e-03	1.80e-05	-1.76e-04	3.52e-04
212	9	-1.51	-0.01	-5.75e-03	1.80e-05	-1.76e-04	3.52e-04
212	10	0.17	-1.07	0.63	1.81e-03	-2.88e-04	-3.55e-04
212	11	-0.17	-1.09	0.65	1.84e-03	2.99e-04	3.99e-04
212	12	-0.02	0.19	0.21	1.68e-06	0.0	0.0
212	13	-1.65e-03	-11.15	6.50	0.02	1.33e-03	7.65e-05
213	1	-2.03e-04	0.13	-0.17	-1.51e-03	0.0	0.0
213	2	-4.36e-04	0.05	-0.12	-1.51e-03	0.0	0.0
213	3	-8.53e-04	0.09	-0.24	-2.95e-03	0.0	0.0
213	4	-4.74	-2.01e-03	1.18e-03	3.30e-06	-5.44e-04	1.32e-03
213	5	-4.74	-2.01e-03	1.18e-03	3.30e-06	-5.44e-04	1.32e-03
213	6	0.52	-3.39	2.01	5.71e-03	-9.17e-04	-1.06e-03
213	7	-0.53	-3.39	2.01	5.71e-03	9.19e-04	1.06e-03
213	8	-1.51	-6.38e-04	3.76e-04	1.05e-06	-1.73e-04	4.19e-04
213	9	-1.51	-6.38e-04	3.76e-04	1.05e-06	-1.73e-04	4.19e-04
213	10	0.17	-1.08	0.64	1.83e-03	-2.97e-04	-3.37e-04
213	11	-0.17	-1.08	0.64	1.83e-03	2.98e-04	3.39e-04
213	12	0.0	0.19	0.21	1.79e-06	0.0	0.0
213	13	-1.64e-03	-11.15	6.48	0.02	0.0	4.61e-06
214	1	-2.02e-04	0.13	-0.17	-1.40e-03	2.28e-04	-1.37e-04
214	2	-4.34e-04	0.04	-0.13	-1.48e-03	6.07e-04	-2.82e-04
214	3	-8.50e-04	0.08	-0.26	-2.89e-03	1.19e-03	-5.52e-04
214	4	-4.74	0.04	0.02	-5.52e-05	-5.53e-04	1.11e-03
214	5	-4.74	0.04	0.02	-5.52e-05	-5.53e-04	1.11e-03
214	6	0.52	-3.42	2.03	5.73e-03	-9.16e-04	-1.24e-03
214	7	-0.53	-3.37	1.99	5.64e-03	8.94e-04	1.11e-03
214	8	-1.51	0.01	5.63e-03	-1.75e-05	-1.76e-04	3.53e-04
214	9	-1.51	0.01	5.63e-03	-1.75e-05	-1.76e-04	3.53e-04
214	10	0.17	-1.09	0.65	1.84e-03	-2.99e-04	-3.97e-04
214	11	-0.17	-1.07	0.63	1.81e-03	2.89e-04	3.56e-04
214	12	0.02	0.19	0.21	1.68e-06	0.0	0.0
214	13	-1.64e-03	-11.14	6.50	0.02	-1.30e-03	-6.34e-05
215	1	-1.96e-04	0.08	-0.24	-1.36e-03	3.10e-04	-6.11e-05
215	2	-4.22e-04	-0.08	-0.33	-1.48e-03	8.95e-04	-1.54e-04
215	3	-8.26e-04	-0.16	-0.65	-2.89e-03	1.75e-03	-3.01e-04
215	4	-4.74	0.19	-0.11	-3.17e-04	5.70e-04	1.05e-03
215	5	-4.74	0.19	-0.11	-3.17e-04	5.70e-04	1.05e-03
215	6	0.52	-3.62	2.12	5.98e-03	-8.43e-04	-1.35e-03
215	7	-0.53	-3.27	1.90	5.39e-03	8.71e-04	1.27e-03
215	8	-1.51	0.06	-0.04	-1.01e-04	1.81e-04	3.33e-04
215	9	-1.51	0.06	-0.04	-1.01e-04	1.81e-04	3.33e-04
215	10	0.17	-1.15	0.68	1.92e-03	-2.72e-04	-4.32e-04
215	11	-0.17	-1.04	0.61	1.73e-03	2.82e-04	4.13e-04
215	12	0.09	0.19	0.21	0.0	-1.81e-06	0.0
215	13	-1.61e-03	-11.17	6.89	0.02	-1.90e-03	-1.86e-04

216	1	-1.87e-04	0.08	-0.24	-1.36e-03	-2.82e-04	6.43e-05
216	2	-4.03e-04	-0.08	-0.34	-1.47e-03	-8.24e-04	1.60e-04
216	3	-7.88e-04	-0.16	-0.66	-2.89e-03	-1.61e-03	3.13e-04
216	4	-4.74	0.34	-0.21	-5.63e-04	5.43e-04	1.02e-03
216	5	-4.74	0.34	-0.21	-5.63e-04	5.43e-04	1.02e-03
216	6	0.52	-3.76	2.19	6.20e-03	-8.08e-04	-1.13e-03
216	7	-0.53	-3.11	1.82	5.14e-03	9.49e-04	1.40e-03
216	8	-1.51	0.11	-0.07	-1.79e-04	1.73e-04	3.24e-04
216	9	-1.51	0.11	-0.07	-1.79e-04	1.73e-04	3.24e-04
216	10	0.17	-1.20	0.70	1.99e-03	-2.63e-04	-3.62e-04
216	11	-0.17	-0.99	0.58	1.65e-03	3.11e-04	4.46e-04
216	12	0.17	0.19	0.21	0.0	0.0	0.0
216	13	-1.59e-03	-11.10	6.88	0.02	2.15e-03	6.98e-04
217	1	-1.81e-04	0.13	-0.18	-1.42e-03	-2.49e-04	1.34e-04
217	2	-3.90e-04	0.04	-0.14	-1.51e-03	-6.74e-04	2.70e-04
217	3	-7.63e-04	0.08	-0.28	-2.95e-03	-1.32e-03	5.28e-04
217	4	-4.74	0.49	-0.29	-8.15e-04	-4.82e-04	1.08e-03
217	5	-4.74	0.49	-0.29	-8.15e-04	-4.82e-04	1.08e-03
217	6	0.52	-3.82	2.26	6.39e-03	-8.36e-04	-1.01e-03
217	7	-0.53	-2.90	1.72	4.89e-03	9.54e-04	1.25e-03
217	8	-1.51	0.15	-0.09	-2.59e-04	-1.53e-04	3.42e-04
217	9	-1.51	0.15	-0.09	-2.59e-04	-1.53e-04	3.42e-04
217	10	0.17	-1.22	0.72	2.05e-03	-2.73e-04	-3.23e-04
217	11	-0.17	-0.92	0.55	1.57e-03	3.08e-04	3.97e-04
217	12	0.25	0.19	0.21	1.06e-06	4.81e-06	1.79e-06
217	13	-1.57e-03	-10.95	6.43	0.02	1.96e-03	4.27e-04
218	1	-1.80e-04	0.13	-0.17	-1.53e-03	-2.83e-05	-5.58e-06
218	2	-3.88e-04	0.04	-0.13	-1.55e-03	-9.12e-05	-1.82e-05
218	3	-7.60e-04	0.09	-0.26	-3.03e-03	-1.78e-04	-3.56e-05
218	4	-4.74	0.52	-0.31	-8.71e-04	-4.59e-04	1.31e-03
218	5	-4.74	0.52	-0.31	-8.71e-04	-4.59e-04	1.31e-03
218	6	0.52	-3.84	2.27	6.46e-03	-8.35e-04	-1.03e-03
218	7	-0.53	-2.88	1.70	4.87e-03	9.63e-04	1.06e-03
218	8	-1.51	0.17	-0.10	-2.77e-04	-1.46e-04	4.18e-04
218	9	-1.51	0.17	-0.10	-2.77e-04	-1.46e-04	4.18e-04
218	10	0.17	-1.22	0.72	2.07e-03	-2.71e-04	-3.26e-04
218	11	-0.17	-0.92	0.54	1.56e-03	3.09e-04	3.38e-04
218	12	0.27	0.19	0.21	1.65e-06	6.92e-06	-1.43e-06
218	13	-1.56e-03	-10.94	6.38	0.02	7.63e-04	1.86e-04
219	1	-1.79e-04	0.13	-0.18	-1.43e-03	1.87e-04	-1.37e-04
219	2	-3.86e-04	0.04	-0.14	-1.55e-03	4.76e-04	-2.85e-04
219	3	-7.56e-04	0.07	-0.27	-3.03e-03	9.31e-04	-5.58e-04
219	4	-4.74	0.56	-0.32	-9.20e-04	-4.77e-04	1.11e-03
219	5	-4.74	0.56	-0.32	-9.20e-04	-4.77e-04	1.11e-03
219	6	0.52	-3.87	2.28	6.46e-03	-8.13e-04	-1.18e-03
219	7	-0.53	-2.86	1.69	4.80e-03	9.29e-04	1.10e-03
219	8	-1.51	0.18	-0.10	-2.92e-04	-1.52e-04	3.53e-04
219	9	-1.51	0.18	-0.10	-2.92e-04	-1.52e-04	3.53e-04
219	10	0.17	-1.23	0.73	2.07e-03	-2.64e-04	-3.79e-04
219	11	-0.17	-0.91	0.54	1.54e-03	2.98e-04	3.52e-04
219	12	0.28	0.19	0.21	2.13e-06	4.43e-06	1.73e-06
219	13	-1.56e-03	-10.93	6.38	0.02	-4.77e-04	2.97e-04
220	1	-1.72e-04	0.09	-0.23	-1.45e-03	2.53e-04	-5.40e-05
220	2	-3.73e-04	-0.08	-0.30	-1.69e-03	7.21e-04	-1.39e-04
220	3	-7.30e-04	-0.15	-0.59	-3.31e-03	1.41e-03	-2.71e-04
220	4	-4.74	0.71	-0.41	-1.16e-03	5.03e-04	1.02e-03
220	5	-4.74	0.71	-0.41	-1.16e-03	5.03e-04	1.02e-03
220	6	0.52	-4.04	2.35	6.63e-03	-7.35e-04	-1.18e-03
220	7	-0.53	-2.76	1.61	4.59e-03	8.59e-04	1.23e-03
220	8	-1.51	0.22	-0.13	-3.68e-04	1.60e-04	3.24e-04
220	9	-1.51	0.22	-0.13	-3.68e-04	1.60e-04	3.24e-04
220	10	0.17	-1.28	0.75	2.13e-03	-2.38e-04	-3.77e-04
220	11	-0.17	-0.88	0.51	1.48e-03	2.76e-04	3.93e-04
220	12	0.36	0.19	0.21	2.43e-06	-1.05e-06	0.0
220	13	-1.53e-03	-10.84	6.63	0.02	-9.63e-04	4.13e-04
221	1	-1.64e-04	0.09	-0.23	-1.49e-03	-2.67e-04	8.65e-05
221	2	-3.54e-04	-0.06	-0.29	-1.77e-03	-7.88e-04	2.19e-04
221	3	-6.92e-04	-0.13	-0.57	-3.46e-03	-1.54e-03	4.29e-04
221	4	-4.74	0.83	-0.49	-1.37e-03	4.81e-04	9.56e-04
221	5	-4.74	0.83	-0.49	-1.37e-03	4.81e-04	9.56e-04
221	6	0.52	-4.10	2.39	6.75e-03	-6.39e-04	9.62e-04
221	7	-0.53	-2.60	1.53	4.37e-03	8.49e-04	1.36e-03
221	8	-1.51	0.26	-0.16	-4.36e-04	1.53e-04	3.04e-04
221	9	-1.51	0.26	-0.16	-4.36e-04	1.53e-04	3.04e-04
221	10	0.17	-1.31	0.76	2.16e-03	-2.08e-04	3.11e-04
221	11	-0.17	-0.83	0.49	1.41e-03	2.72e-04	4.36e-04

221	12	0.44	0.19	0.21	0.0	-1.32e-06	0.0
221	13	-1.50e-03	-10.63	6.50	0.02	2.65e-03	1.21e-03
222	1	-1.58e-04	0.15	-0.18	-1.50e-03	-6.52e-05	1.83e-04
222	2	-3.42e-04	0.08	-0.14	-1.66e-03	-1.43e-04	4.11e-04
222	3	-6.69e-04	0.15	-0.28	-3.25e-03	-2.80e-04	8.03e-04
222	4	-4.74	0.95	-0.57	-1.57e-03	4.18e-04	1.04e-03
222	5	-4.74	0.95	-0.57	-1.57e-03	4.18e-04	1.04e-03
222	6	0.52	-4.09	2.42	6.79e-03	6.14e-04	8.56e-04
222	7	-0.53	-2.41	1.45	4.12e-03	8.72e-04	1.19e-03
222	8	-1.51	0.30	-0.18	-5.01e-04	1.33e-04	3.32e-04
222	9	-1.51	0.30	-0.18	-5.01e-04	1.33e-04	3.32e-04
222	10	0.17	-1.30	0.77	2.17e-03	2.00e-04	2.77e-04
222	11	-0.17	-0.77	0.46	1.33e-03	2.81e-04	3.81e-04
222	12	0.52	0.19	0.21	0.0	3.10e-06	2.09e-06
222	13	-1.49e-03	-10.38	6.05	0.02	1.41e-03	4.93e-04
223	1	-1.57e-04	0.15	-0.18	-1.60e-03	2.04e-04	4.28e-05
223	2	-3.40e-04	0.09	-0.15	-1.66e-03	5.80e-04	1.22e-04
223	3	-6.65e-04	0.17	-0.29	-3.24e-03	1.13e-03	2.39e-04
223	4	-4.74	0.98	-0.58	-1.62e-03	-3.72e-04	1.32e-03
223	5	-4.74	0.98	-0.58	-1.62e-03	-3.72e-04	1.32e-03
223	6	0.52	-4.11	2.42	6.82e-03	6.13e-04	-9.29e-04
223	7	-0.53	-2.39	1.43	4.09e-03	8.88e-04	1.03e-03
223	8	-1.51	0.31	-0.18	-5.16e-04	-1.19e-04	4.19e-04
223	9	-1.51	0.31	-0.18	-5.16e-04	-1.19e-04	4.19e-04
223	10	0.17	-1.31	0.77	2.18e-03	1.98e-04	-2.95e-04
223	11	-0.17	-0.76	0.46	1.32e-03	2.85e-04	3.29e-04
223	12	0.54	0.19	0.21	1.08e-06	6.10e-06	-4.31e-06
223	13	-1.48e-03	-10.37	6.03	0.02	-6.32e-05	3.94e-05
224	1	-1.55e-04	0.15	-0.19	-1.46e-03	4.67e-04	-1.21e-04
224	2	-3.36e-04	0.08	-0.18	-1.55e-03	1.29e-03	-2.23e-04
224	3	-6.58e-04	0.16	-0.35	-3.03e-03	2.52e-03	-4.36e-04
224	4	-4.74	1.02	-0.59	-1.65e-03	4.20e-04	1.11e-03
224	5	-4.74	1.02	-0.59	-1.65e-03	4.20e-04	1.11e-03
224	6	0.52	-4.13	2.42	6.78e-03	5.91e-04	-9.44e-04
224	7	-0.53	-2.38	1.41	4.02e-03	8.54e-04	1.06e-03
224	8	-1.51	0.32	-0.19	-5.26e-04	1.34e-04	3.53e-04
224	9	-1.51	0.32	-0.19	-5.26e-04	1.34e-04	3.53e-04
224	10	0.17	-1.31	0.77	2.17e-03	1.92e-04	-3.02e-04
224	11	-0.17	-0.76	0.45	1.29e-03	2.74e-04	3.37e-04
224	12	0.55	0.19	0.21	1.02e-06	0.0	2.53e-06
224	13	-1.48e-03	-10.36	6.06	0.02	-1.69e-03	6.73e-04
225	1	-1.45e-04	0.09	-0.30	-1.23e-03	4.93e-04	-9.51e-05
225	2	-3.14e-04	-0.06	-0.50	-1.11e-03	1.49e-03	-2.09e-04
225	3	-6.14e-04	-0.11	-0.97	-2.17e-03	2.91e-03	-4.08e-04
225	4	-4.74	1.16	-0.67	-1.81e-03	4.71e-04	9.91e-04
225	5	-4.74	1.16	-0.67	-1.81e-03	4.71e-04	9.91e-04
225	6	0.52	-4.21	2.42	6.71e-03	5.26e-04	-8.24e-04
225	7	-0.53	-2.28	1.33	3.75e-03	8.06e-04	1.16e-03
225	8	-1.51	0.37	-0.21	-5.77e-04	1.50e-04	3.15e-04
225	9	-1.51	0.37	-0.21	-5.77e-04	1.50e-04	3.15e-04
225	10	0.17	-1.34	0.77	2.14e-03	1.72e-04	-2.67e-04
225	11	-0.17	-0.73	0.43	1.20e-03	2.61e-04	3.74e-04
225	12	0.63	0.19	0.21	-3.82e-06	-1.05e-05	0.0
225	13	-1.48e-03	-9.99	6.57	0.02	-2.09e-03	1.53e-03
226	1	-1.31e-04	0.07	-0.31	-1.00e-03	-5.20e-04	-5.86e-05
226	2	-2.82e-04	-0.10	-0.53	-6.88e-04	-1.30e-03	-1.19e-04
226	3	-5.52e-04	-0.20	-1.04	-1.35e-03	-2.54e-03	-2.34e-04
226	4	-4.74	1.26	-0.74	-1.95e-03	3.74e-04	8.77e-04
226	5	-4.74	1.26	-0.74	-1.95e-03	3.74e-04	8.77e-04
226	6	0.52	-4.16	2.40	6.58e-03	7.15e-04	7.34e-04
226	7	-0.53	-2.13	1.26	3.46e-03	9.36e-04	1.24e-03
226	8	-1.51	0.40	-0.24	-6.20e-04	1.19e-04	2.79e-04
226	9	-1.51	0.40	-0.24	-6.20e-04	1.19e-04	2.79e-04
226	10	0.17	-1.32	0.77	2.10e-03	2.47e-04	2.42e-04
226	11	-0.17	-0.68	0.40	1.11e-03	3.13e-04	3.97e-04
226	12	0.71	0.19	0.21	-1.03e-05	0.0	1.35e-06
226	13	-1.50e-03	-9.38	6.45	0.02	4.58e-03	2.97e-03
227	1	-1.18e-04	0.08	-0.14	-8.35e-04	-1.30e-03	-1.31e-04
227	2	-2.54e-04	-0.08	-0.10	-5.60e-04	-3.30e-03	-3.86e-04
227	3	-4.97e-04	-0.15	-0.20	-1.10e-03	-6.45e-03	-7.55e-04
227	4	-4.74	1.34	-0.79	-2.12e-03	-1.75e-04	9.56e-04
227	5	-4.74	1.34	-0.79	-2.12e-03	-1.75e-04	9.56e-04
227	6	0.52	-4.03	2.35	6.43e-03	9.81e-04	5.99e-04
227	7	-0.53	-1.98	1.16	3.19e-03	1.10e-03	1.10e-03
227	8	-1.51	0.43	-0.25	-6.74e-04	-5.57e-05	3.04e-04
227	9	-1.51	0.43	-0.25	-6.74e-04	-5.57e-05	3.04e-04

227	10	0.17	-1.28	0.75	2.05e-03	3.42e-04	1.93e-04
227	11	-0.17	-0.63	0.37	1.02e-03	3.72e-04	3.51e-04
227	12	0.79	0.19	0.21	-6.38e-06	3.34e-05	1.07e-05
227	13	-1.55e-03	-8.64	5.24	0.01	9.70e-03	2.94e-03
228	1	-1.16e-04	0.07	-0.10	-8.56e-04	-1.30e-03	-2.71e-04
228	2	-2.49e-04	-0.09	5.91e-03	-4.98e-04	-3.30e-03	-6.90e-04
228	3	-4.87e-04	-0.18	0.01	-9.74e-04	-6.46e-03	-1.35e-03
228	4	-4.74	1.38	-0.79	-2.16e-03	-1.53e-04	1.27e-03
228	5	-4.74	1.38	-0.79	-2.16e-03	-1.53e-04	1.27e-03
228	6	0.52	-4.04	2.33	6.41e-03	1.03e-03	-8.05e-04
228	7	-0.53	-1.97	1.14	3.15e-03	1.13e-03	1.02e-03
228	8	-1.51	0.44	-0.25	-6.88e-04	-4.88e-05	4.04e-04
228	9	-1.51	0.44	-0.25	-6.88e-04	-4.88e-05	4.04e-04
228	10	0.17	-1.29	0.74	2.04e-03	3.54e-04	-2.57e-04
228	11	-0.17	-0.63	0.36	1.00e-03	3.80e-04	3.27e-04
228	12	0.81	0.19	0.21	-3.40e-06	4.54e-05	0.0
228	13	-1.56e-03	-8.56	4.91	0.01	0.01	2.17e-03
229	1	-3.66e-04	0.09	-0.19	-1.08e-03	1.34e-03	2.88e-04
229	2	-8.10e-04	-0.08	-0.05	-6.75e-04	2.74e-03	5.88e-04
229	3	-1.58e-03	-0.16	-0.10	-1.32e-03	5.35e-03	1.15e-03
229	4	-4.85	-1.42	1.00	2.18e-03	2.59e-04	1.26e-03
229	5	-4.85	-1.42	1.00	2.18e-03	2.59e-04	1.26e-03
229	6	0.56	-2.03	1.45	3.19e-03	-1.42e-03	-1.07e-03
229	7	-0.56	-4.18	2.96	6.47e-03	-1.28e-03	8.40e-04
229	8	-1.54	-0.45	0.32	6.94e-04	8.23e-05	4.01e-04
229	9	-1.54	-0.45	0.32	6.94e-04	8.23e-05	4.01e-04
229	10	0.18	-0.65	0.46	1.02e-03	-4.81e-04	-3.43e-04
229	11	-0.18	-1.33	0.94	2.06e-03	-4.46e-04	2.70e-04
229	12	-0.81	0.24	0.22	-3.26e-06	-2.54e-05	-3.91e-06
229	13	-1.89e-05	-8.88	6.36	0.01	-9.00e-03	-1.93e-03
230	1	-1.76e-04	0.19	-0.36	-2.00e-03	-1.09e-04	-2.47e-05
230	2	-4.28e-04	0.13	-0.33	-2.07e-03	-2.98e-04	-6.61e-05
230	3	-8.37e-04	0.25	-0.65	-4.04e-03	-5.83e-04	-1.29e-04
230	4	-4.85	-1.02	0.74	1.64e-03	5.04e-04	1.32e-03
230	5	-4.85	-1.02	0.74	1.64e-03	5.04e-04	1.32e-03
230	6	0.56	-2.48	1.83	4.18e-03	-1.11e-03	-1.08e-03
230	7	-0.56	-4.25	3.09	6.94e-03	-7.71e-04	9.61e-04
230	8	-1.54	-0.32	0.24	5.23e-04	1.60e-04	4.18e-04
230	9	-1.54	-0.32	0.24	5.23e-04	1.60e-04	4.18e-04
230	10	0.18	-0.79	0.59	1.35e-03	-3.58e-04	-3.42e-04
230	11	-0.18	-1.35	0.99	2.23e-03	-2.51e-04	3.06e-04
230	12	-0.54	0.23	0.22	1.07e-06	-3.78e-06	0.0
230	13	-5.31e-04	-10.79	7.96	0.02	-9.09e-04	-1.98e-04
231	1	-2.09e-04	0.17	-0.34	-1.92e-03	-6.91e-06	-1.68e-06
231	2	-4.91e-04	0.08	-0.30	-1.94e-03	6.59e-06	1.42e-06
231	3	-9.60e-04	0.16	-0.59	-3.79e-03	1.29e-05	2.77e-06
231	4	-4.85	-0.54	0.40	8.85e-04	-6.16e-04	1.32e-03
231	5	-4.85	-0.54	0.40	8.85e-04	-6.16e-04	1.32e-03
231	6	0.56	-2.98	2.18	4.98e-03	-1.20e-03	-1.10e-03
231	7	-0.56	-3.97	2.91	6.59e-03	1.05e-03	1.07e-03
231	8	-1.54	-0.17	0.13	2.81e-04	-1.96e-04	4.20e-04
231	9	-1.54	-0.17	0.13	2.81e-04	-1.96e-04	4.20e-04
231	10	0.18	-0.95	0.70	1.61e-03	-3.86e-04	-3.51e-04
231	11	-0.18	-1.26	0.93	2.12e-03	3.40e-04	3.41e-04
231	12	-0.27	0.23	0.22	1.70e-06	-3.51e-06	0.0
231	13	-1.04e-03	-11.37	8.39	0.02	-6.75e-04	-1.49e-04
232	1	-2.16e-04	0.17	-0.34	-1.89e-03	0.0	0.0
232	2	-4.92e-04	0.08	-0.29	-1.89e-03	0.0	0.0
232	3	-9.63e-04	0.16	-0.57	-3.69e-03	0.0	1.15e-06
232	4	-4.85	-2.08e-03	1.51e-03	3.35e-06	-7.07e-04	1.32e-03
232	5	-4.85	-2.08e-03	1.51e-03	3.35e-06	-7.07e-04	1.32e-03
232	6	0.56	-3.51	2.57	5.83e-03	-1.16e-03	-1.11e-03
232	7	-0.56	-3.51	2.57	5.82e-03	1.16e-03	1.11e-03
232	8	-1.54	-6.60e-04	4.79e-04	1.06e-06	-2.25e-04	4.21e-04
232	9	-1.54	-6.60e-04	4.79e-04	1.06e-06	-2.25e-04	4.21e-04
232	10	0.18	-1.12	0.82	1.88e-03	-3.75e-04	-3.52e-04
232	11	-0.18	-1.12	0.82	1.87e-03	3.76e-04	3.53e-04
232	12	0.0	0.23	0.22	1.80e-06	0.0	0.0
232	13	-2.08e-03	-11.58	8.50	0.02	0.0	4.55e-06
233	1	-2.24e-04	0.17	-0.34	-1.92e-03	6.46e-06	1.90e-06
233	2	-4.93e-04	0.08	-0.30	-1.94e-03	-6.62e-06	0.0
233	3	-9.65e-04	0.16	-0.59	-3.79e-03	-1.29e-05	0.0
233	4	-4.85	0.54	-0.40	-8.85e-04	-6.16e-04	1.32e-03
233	5	-4.85	0.54	-0.40	-8.85e-04	-6.16e-04	1.32e-03
233	6	0.56	-3.98	2.91	6.59e-03	-1.04e-03	-1.07e-03
233	7	-0.56	-2.98	2.18	4.98e-03	1.20e-03	1.11e-03

233	8	-1.54	0.17	-0.13	-2.81e-04	-1.96e-04	4.20e-04
233	9	-1.54	0.17	-0.13	-2.81e-04	-1.96e-04	4.20e-04
233	10	0.18	-1.26	0.93	2.12e-03	-3.39e-04	-3.40e-04
233	11	-0.18	-0.95	0.70	1.60e-03	3.87e-04	3.52e-04
233	12	0.27	0.23	0.22	1.70e-06	3.51e-06	0.0
233	13	-3.11e-03	-11.37	8.39	0.02	6.77e-04	1.59e-04
234	1	-2.57e-04	0.19	-0.36	-2.00e-03	1.09e-04	2.49e-05
234	2	-5.57e-04	0.13	-0.33	-2.07e-03	2.97e-04	6.71e-05
234	3	-1.09e-03	0.25	-0.65	-4.04e-03	5.81e-04	1.31e-04
234	4	-4.85	1.02	-0.74	-1.64e-03	5.04e-04	1.32e-03
234	5	-4.85	1.02	-0.74	-1.64e-03	5.04e-04	1.32e-03
234	6	0.56	-4.25	3.09	6.93e-03	7.69e-04	-9.57e-04
234	7	-0.56	-2.48	1.83	4.18e-03	1.12e-03	1.08e-03
234	8	-1.54	0.32	-0.24	-5.22e-04	1.60e-04	4.18e-04
234	9	-1.54	0.32	-0.24	-5.22e-04	1.60e-04	4.18e-04
234	10	0.18	-1.35	0.98	2.22e-03	2.50e-04	-3.04e-04
234	11	-0.18	-0.79	0.58	1.35e-03	3.59e-04	3.43e-04
234	12	0.54	0.23	0.22	1.07e-06	3.78e-06	0.0
234	13	-3.62e-03	-10.78	7.95	0.02	9.16e-04	2.08e-04
235	1	-6.51e-05	0.09	-0.19	-1.08e-03	-1.34e-03	-2.88e-04
235	2	-1.71e-04	-0.08	-0.05	-6.71e-04	-2.74e-03	-5.88e-04
235	3	-3.35e-04	-0.16	-0.10	-1.31e-03	-5.36e-03	-1.15e-03
235	4	-4.85	1.42	-1.00	-2.18e-03	2.58e-04	1.26e-03
235	5	-4.85	1.42	-1.00	-2.18e-03	2.58e-04	1.26e-03
235	6	0.56	-4.18	2.96	6.47e-03	1.28e-03	-8.36e-04
235	7	-0.56	-2.03	1.45	3.18e-03	1.42e-03	1.08e-03
235	8	-1.54	0.45	-0.32	-6.93e-04	8.21e-05	4.01e-04
235	9	-1.54	0.45	-0.32	-6.93e-04	8.21e-05	4.01e-04
235	10	0.18	-1.33	0.94	2.06e-03	4.46e-04	-2.69e-04
235	11	-0.18	-0.65	0.46	1.02e-03	4.82e-04	3.44e-04
235	12	0.81	0.24	0.22	-3.26e-06	2.54e-05	3.91e-06
235	13	-4.14e-03	-8.86	6.35	0.01	9.01e-03	1.94e-03
236	1	-1.01e-05	0.12	-0.30	-1.13e-03	1.38e-03	2.78e-04
236	2	-1.42e-04	-0.07	-0.12	-7.32e-04	2.19e-03	4.37e-04
236	3	-2.78e-04	-0.13	-0.24	-1.43e-03	4.28e-03	8.55e-04
236	4	-4.95	-1.47	1.22	2.19e-03	4.39e-04	1.26e-03
236	5	-4.95	-1.47	1.22	2.19e-03	4.39e-04	1.26e-03
236	6	0.61	-2.10	1.76	3.20e-03	-1.71e-03	-1.12e-03
236	7	-0.61	-4.32	3.59	6.49e-03	-1.53e-03	8.24e-04
236	8	-1.58	-0.47	0.39	6.95e-04	1.40e-04	4.00e-04
236	9	-1.58	-0.47	0.39	6.95e-04	1.40e-04	4.00e-04
236	10	0.19	-0.67	0.56	1.02e-03	-5.83e-04	-3.60e-04
236	11	-0.19	-1.37	1.14	2.07e-03	-5.38e-04	2.66e-04
236	12	-0.81	0.28	0.23	-3.22e-06	-6.76e-06	-2.28e-06
236	13	4.42e-03	-9.19	7.81	0.02	-7.97e-03	-1.78e-03
237	1	-1.41e-05	0.12	-0.35	-1.00e-03	1.38e-03	1.38e-04
237	2	-1.50e-04	-0.06	-0.19	2.38e-04	2.22e-03	1.30e-04
237	3	-2.93e-04	-0.11	-0.38	4.66e-04	4.34e-03	2.55e-04
237	4	-4.95	-1.43	1.20	2.13e-03	4.81e-04	1.04e-03
237	5	-4.95	-1.43	1.20	2.13e-03	4.81e-04	1.04e-03
237	6	0.61	-2.11	1.79	3.25e-03	-1.69e-03	-1.20e-03
237	7	-0.61	-4.31	3.62	6.52e-03	-1.50e-03	-6.49e-04
237	8	-1.58	-0.46	0.38	6.79e-04	1.53e-04	3.30e-04
237	9	-1.58	-0.46	0.38	6.79e-04	1.53e-04	3.30e-04
237	10	0.19	-0.67	0.57	1.04e-03	-5.76e-04	-3.85e-04
237	11	-0.19	-1.37	1.15	2.08e-03	-5.29e-04	-2.09e-04
237	12	-0.79	0.28	0.23	-9.44e-06	-6.80e-06	-1.54e-06
237	13	4.41e-03	-9.26	8.06	0.01	-7.71e-03	-2.57e-03
238	1	-4.77e-05	0.12	-0.54	-1.12e-03	8.09e-04	7.81e-05
238	2	-2.17e-04	-0.11	-0.52	1.83e-03	1.36e-03	1.48e-05
238	3	-4.24e-04	-0.21	-1.01	3.57e-03	2.66e-03	2.89e-05
238	4	-4.95	-1.34	1.12	1.95e-03	5.89e-04	7.56e-04
238	5	-4.95	-1.34	1.12	1.95e-03	5.89e-04	7.56e-04
238	6	0.61	-2.28	1.94	3.53e-03	-1.48e-03	-1.46e-03
238	7	-0.61	-4.43	3.70	6.68e-03	-1.18e-03	-9.60e-04
238	8	-1.58	-0.43	0.36	6.19e-04	1.87e-04	2.40e-04
238	9	-1.58	-0.43	0.36	6.19e-04	1.87e-04	2.40e-04
238	10	0.19	-0.72	0.62	1.13e-03	-5.01e-04	-4.70e-04
238	11	-0.19	-1.41	1.18	2.13e-03	-4.17e-04	-3.17e-04
238	12	-0.71	0.28	0.23	-1.95e-05	-4.91e-06	-4.39e-06
238	13	4.27e-03	-9.96	9.13	9.39e-03	-5.20e-03	-3.78e-03
239	1	-8.73e-05	0.16	-0.60	-1.50e-03	-2.20e-05	2.86e-04
239	2	-3.02e-04	-0.03	-0.62	1.02e-03	-5.51e-05	7.54e-04
239	3	-5.90e-04	-0.06	-1.21	1.99e-03	-1.08e-04	1.47e-03
239	4	-4.95	-1.23	1.02	1.83e-03	6.45e-04	9.15e-04
239	5	-4.95	-1.23	1.02	1.83e-03	6.45e-04	9.15e-04

239	6	0.61	-2.44	2.08	3.85e-03	-1.29e-03	-1.34e-03
239	7	-0.61	-4.49	3.75	6.85e-03	-8.47e-04	9.28e-04
239	8	-1.58	-0.39	0.33	5.82e-04	2.05e-04	2.91e-04
239	9	-1.58	-0.39	0.33	5.82e-04	2.05e-04	2.91e-04
239	10	0.19	-0.77	0.66	1.24e-03	-4.21e-04	-4.32e-04
239	11	-0.19	-1.43	1.20	2.19e-03	-2.83e-04	3.03e-04
239	12	-0.63	0.28	0.23	-8.72e-06	-3.19e-06	-3.90e-06
239	13	3.95e-03	-10.66	9.69	0.01	-2.02e-03	-3.09e-03
240	1	-1.06e-04	0.23	-0.56	-1.96e-03	-1.72e-04	2.08e-04
240	2	-3.32e-04	0.16	-0.55	-1.37e-03	-2.80e-04	4.97e-04
240	3	-6.50e-04	0.32	-1.07	-2.68e-03	-5.48e-04	9.72e-04
240	4	-4.95	-1.09	0.92	1.69e-03	6.58e-04	1.17e-03
240	5	-4.95	-1.09	0.92	1.69e-03	6.58e-04	1.17e-03
240	6	0.61	-2.55	2.21	4.17e-03	-1.31e-03	-1.15e-03
240	7	-0.61	-4.41	3.76	6.97e-03	-8.88e-04	1.00e-03
240	8	-1.58	-0.35	0.29	5.38e-04	2.09e-04	3.72e-04
240	9	-1.58	-0.35	0.29	5.38e-04	2.09e-04	3.72e-04
240	10	0.19	-0.81	0.71	1.35e-03	-4.21e-04	-3.68e-04
240	11	-0.19	-1.40	1.20	2.24e-03	-2.91e-04	3.21e-04
240	12	-0.55	0.28	0.23	1.11e-06	-2.16e-06	-1.17e-06
240	13	3.42e-03	-11.18	9.88	0.02	-1.36e-03	-1.40e-03
241	1	-1.06e-04	0.23	-0.56	-2.11e-03	-1.57e-05	-2.64e-06
241	2	-3.29e-04	0.17	-0.54	-2.20e-03	-2.03e-05	-1.98e-06
241	3	-6.44e-04	0.33	-1.06	-4.30e-03	-3.97e-05	-3.87e-06
241	4	-4.95	-1.05	0.90	1.65e-03	6.44e-04	1.29e-03
241	5	-4.95	-1.05	0.90	1.65e-03	6.44e-04	1.29e-03
241	6	0.61	-2.56	2.24	4.21e-03	-1.34e-03	-1.13e-03
241	7	-0.61	-4.39	3.76	6.97e-03	-9.33e-04	9.65e-04
241	8	-1.58	-0.33	0.29	5.25e-04	2.05e-04	4.11e-04
241	9	-1.58	-0.33	0.29	5.25e-04	2.05e-04	4.11e-04
241	10	0.19	-0.81	0.72	1.36e-03	-4.32e-04	-3.58e-04
241	11	-0.19	-1.40	1.20	2.24e-03	-3.06e-04	3.07e-04
241	12	-0.54	0.28	0.23	1.06e-06	-2.05e-06	0.0
241	13	3.30e-03	-11.21	9.93	0.02	-1.85e-03	-4.90e-04
242	1	-1.05e-04	0.23	-0.56	-2.03e-03	1.37e-04	-1.83e-04
242	2	-3.25e-04	0.16	-0.55	-1.60e-03	2.30e-04	-4.30e-04
242	3	-6.36e-04	0.32	-1.07	-3.12e-03	4.51e-04	-8.40e-04
242	4	-4.95	-1.02	0.88	1.61e-03	6.78e-04	1.11e-03
242	5	-4.95	-1.02	0.88	1.61e-03	6.78e-04	1.11e-03
242	6	0.61	-2.58	2.26	4.28e-03	-1.33e-03	-1.28e-03
242	7	-0.61	-4.37	3.76	6.99e-03	-9.60e-04	-9.02e-04
242	8	-1.58	-0.32	0.28	5.13e-04	2.16e-04	3.52e-04
242	9	-1.58	-0.32	0.28	5.13e-04	2.16e-04	3.52e-04
242	10	0.19	-0.82	0.72	1.38e-03	-4.29e-04	-4.11e-04
242	11	-0.19	-1.39	1.20	2.25e-03	-3.18e-04	-2.91e-04
242	12	-0.52	0.28	0.23	0.0	-1.93e-06	0.0
242	13	3.17e-03	-11.23	9.99	0.02	-2.13e-03	-6.56e-04
243	1	-1.18e-04	0.17	-0.60	-1.94e-03	1.59e-04	-1.83e-04
243	2	-3.42e-04	5.57e-03	-0.62	-2.67e-04	2.83e-04	-5.25e-04
243	3	-6.69e-04	0.01	-1.22	-5.23e-04	5.54e-04	-1.03e-03
243	4	-4.95	-0.89	0.76	1.41e-03	7.54e-04	8.87e-04
243	5	-4.95	-0.89	0.76	1.41e-03	7.54e-04	8.87e-04
243	6	0.61	-2.77	2.40	4.53e-03	-1.27e-03	-1.61e-03
243	7	-0.61	-4.38	3.73	6.95e-03	1.02e-03	-1.10e-03
243	8	-1.58	-0.28	0.24	4.47e-04	2.40e-04	2.82e-04
243	9	-1.58	-0.28	0.24	4.47e-04	2.40e-04	2.82e-04
243	10	0.19	-0.88	0.77	1.47e-03	-4.06e-04	-5.19e-04
243	11	-0.19	-1.39	1.19	2.24e-03	3.34e-04	-3.60e-04
243	12	-0.44	0.28	0.23	1.52e-06	0.0	0.0
243	13	2.44e-03	-11.45	10.34	0.02	-1.70e-03	-1.22e-03
244	1	-1.47e-04	0.16	-0.60	-1.87e-03	-2.60e-04	1.11e-04
244	2	-3.99e-04	-0.01	-0.61	-1.11e-04	-4.67e-04	3.51e-04
244	3	-7.81e-04	-0.02	-1.19	-2.18e-04	-9.13e-04	6.88e-04
244	4	-4.95	-0.76	0.64	1.20e-03	7.88e-04	9.91e-04
244	5	-4.95	-0.76	0.64	1.20e-03	7.88e-04	9.91e-04
244	6	0.61	-2.94	2.52	4.76e-03	-1.30e-03	-1.40e-03
244	7	-0.61	-4.30	3.66	6.84e-03	1.12e-03	1.37e-03
244	8	-1.58	-0.24	0.20	3.81e-04	2.51e-04	3.15e-04
244	9	-1.58	-0.24	0.20	3.81e-04	2.51e-04	3.15e-04
244	10	0.19	-0.94	0.81	1.54e-03	-4.15e-04	-4.50e-04
244	11	-0.19	-1.37	1.17	2.20e-03	3.63e-04	4.41e-04
244	12	-0.36	0.28	0.23	3.69e-06	0.0	0.0
244	13	1.66e-03	-11.66	10.47	0.02	-3.63e-05	-8.34e-04
245	1	-1.63e-04	0.21	-0.54	-1.92e-03	-2.07e-04	1.52e-04
245	2	-4.26e-04	0.12	-0.51	-1.38e-03	-3.51e-04	3.59e-04
245	3	-8.33e-04	0.23	-0.99	-2.71e-03	-6.86e-04	7.03e-04

245	4	-4.95	-0.60	0.51	9.48e-04	7.94e-04	1.19e-03
245	5	-4.95	-0.60	0.51	9.48e-04	7.94e-04	1.19e-03
245	6	0.61	-3.06	2.64	4.98e-03	-1.41e-03	-1.20e-03
245	7	-0.61	-4.13	3.56	6.68e-03	1.23e-03	1.29e-03
245	8	-1.58	-0.19	0.16	3.01e-04	2.52e-04	3.77e-04
245	9	-1.58	-0.19	0.16	3.01e-04	2.52e-04	3.77e-04
245	10	0.19	-0.97	0.84	1.61e-03	-4.52e-04	-3.83e-04
245	11	-0.19	-1.31	1.14	2.15e-03	4.00e-04	4.15e-04
245	12	-0.28	0.28	0.23	2.71e-06	0.0	0.0
245	13	8.17e-04	-11.80	10.43	0.02	-9.95e-05	-4.37e-04
246	1	-1.63e-04	0.21	-0.54	-2.02e-03	-4.09e-05	-9.55e-06
246	2	-4.24e-04	0.12	-0.50	-2.06e-03	-7.67e-05	-1.80e-05
246	3	-8.29e-04	0.24	-0.98	-4.03e-03	-1.50e-04	-3.53e-05
246	4	-4.95	-0.56	0.48	8.89e-04	7.85e-04	1.31e-03
246	5	-4.95	-0.56	0.48	8.89e-04	7.85e-04	1.31e-03
246	6	0.61	-3.08	2.67	5.02e-03	-1.44e-03	-1.16e-03
246	7	-0.61	-4.11	3.54	6.63e-03	1.25e-03	1.12e-03
246	8	-1.58	-0.18	0.15	2.83e-04	2.49e-04	4.16e-04
246	9	-1.58	-0.18	0.15	2.83e-04	2.49e-04	4.16e-04
246	10	0.19	-0.98	0.85	1.62e-03	-4.63e-04	-3.70e-04
246	11	-0.19	-1.31	1.13	2.13e-03	4.06e-04	3.56e-04
246	12	-0.27	0.28	0.23	1.72e-06	0.0	0.0
246	13	6.42e-04	-11.81	10.44	0.02	-5.81e-04	-1.59e-04
247	1	-1.64e-04	0.21	-0.54	-1.90e-03	1.22e-04	-1.75e-04
247	2	-4.23e-04	0.11	-0.50	-1.32e-03	1.95e-04	-4.07e-04
247	3	-8.27e-04	0.22	-0.98	-2.59e-03	3.81e-04	-7.96e-04
247	4	-4.95	-0.52	0.46	8.35e-04	8.03e-04	1.16e-03
247	5	-4.95	-0.52	0.46	8.35e-04	8.03e-04	1.16e-03
247	6	0.61	-3.10	2.69	5.07e-03	-1.43e-03	-1.36e-03
247	7	-0.61	-4.08	3.52	6.60e-03	1.25e-03	1.10e-03
247	8	-1.58	-0.17	0.15	2.65e-04	2.55e-04	3.67e-04
247	9	-1.58	-0.17	0.15	2.65e-04	2.55e-04	3.67e-04
247	10	0.19	-0.99	0.86	1.64e-03	-4.63e-04	-4.33e-04
247	11	-0.19	-1.30	1.13	2.13e-03	4.07e-04	3.53e-04
247	12	-0.25	0.28	0.23	0.0	0.0	0.0
247	13	4.67e-04	-11.82	10.46	0.02	-9.81e-04	-2.20e-04
248	1	-1.81e-04	0.16	-0.58	-1.73e-03	1.89e-04	-1.51e-04
248	2	-4.52e-04	-0.03	-0.58	2.46e-04	3.36e-04	-4.44e-04
248	3	-8.84e-04	-0.06	-1.13	4.81e-04	6.57e-04	-8.68e-04
248	4	-4.95	-0.37	0.32	5.72e-04	8.47e-04	9.97e-04
248	5	-4.95	-0.37	0.32	5.72e-04	8.47e-04	9.97e-04
248	6	0.61	-3.32	2.83	5.30e-03	-1.42e-03	-1.64e-03
248	7	-0.61	-4.01	3.42	6.38e-03	1.23e-03	1.27e-03
248	8	-1.58	-0.12	0.10	1.82e-04	2.69e-04	3.17e-04
248	9	-1.58	-0.12	0.10	1.82e-04	2.69e-04	3.17e-04
248	10	0.19	-1.05	0.91	1.71e-03	-4.65e-04	-5.26e-04
248	11	-0.19	-1.28	1.09	2.06e-03	3.97e-04	4.09e-04
248	12	-0.17	0.28	0.23	-1.18e-06	0.0	0.0
248	13	-4.36e-04	-11.91	10.66	0.02	-9.83e-04	-5.27e-04
249	1	-2.12e-04	0.16	-0.58	-1.73e-03	-2.12e-04	1.47e-04
249	2	-5.17e-04	-0.03	-0.58	2.34e-04	-3.82e-04	4.41e-04
249	3	-1.01e-03	-0.06	-1.13	4.57e-04	-7.48e-04	8.62e-04
249	4	-4.95	-0.21	0.18	3.27e-04	8.73e-04	1.04e-03
249	5	-4.95	-0.21	0.18	3.27e-04	8.73e-04	1.04e-03
249	6	0.61	-3.49	2.97	5.56e-03	-1.36e-03	-1.47e-03
249	7	-0.61	-3.86	3.30	6.15e-03	1.28e-03	1.58e-03
249	8	-1.58	-0.07	0.06	1.04e-04	2.78e-04	3.32e-04
249	9	-1.58	-0.07	0.06	1.04e-04	2.78e-04	3.32e-04
249	10	0.19	-1.11	0.95	1.79e-03	-4.42e-04	-4.81e-04
249	11	-0.19	-1.23	1.06	1.98e-03	4.13e-04	5.08e-04
249	12	-0.10	0.28	0.23	0.0	0.0	0.0
249	13	-1.36e-03	-11.98	10.70	0.02	4.97e-04	-1.82e-04
250	1	-2.30e-04	0.21	-0.53	-1.88e-03	-1.63e-04	1.71e-04
250	2	-5.45e-04	0.11	-0.49	-1.30e-03	-2.72e-04	4.04e-04
250	3	-1.07e-03	0.22	-0.96	-2.54e-03	-5.31e-04	7.90e-04
250	4	-4.95	-0.04	0.03	6.05e-05	8.82e-04	1.18e-03
250	5	-4.95	-0.04	0.03	6.05e-05	8.82e-04	1.18e-03
250	6	0.61	-3.60	3.11	5.82e-03	-1.37e-03	-1.21e-03
250	7	-0.61	-3.65	3.16	5.92e-03	1.38e-03	1.36e-03
250	8	-1.58	-0.01	9.23e-03	1.92e-05	2.80e-04	3.77e-04
250	9	-1.58	-0.01	9.23e-03	1.92e-05	2.80e-04	3.77e-04
250	10	0.19	-1.15	0.99	1.88e-03	-4.45e-04	-3.89e-04
250	11	-0.19	-1.16	1.01	1.91e-03	4.52e-04	4.35e-04
250	12	-0.02	0.28	0.23	1.76e-06	0.0	0.0
250	13	-2.31e-03	-12.01	10.58	0.02	4.47e-04	-1.20e-04
251	1	-2.30e-04	0.21	-0.53	-2.00e-03	0.0	0.0

251	2	-5.44e-04	0.12	-0.48	-2.01e-03	0.0	0.0
251	3	-1.06e-03	0.24	-0.95	-3.93e-03	0.0	0.0
251	4	-4.95	-2.15e-03	1.83e-03	3.36e-06	-8.78e-04	1.31e-03
251	5	-4.95	-2.15e-03	1.83e-03	3.36e-06	-8.78e-04	1.31e-03
251	6	0.61	-3.63	3.14	5.86e-03	-1.39e-03	-1.17e-03
251	7	-0.61	-3.62	3.13	5.86e-03	1.39e-03	1.17e-03
251	8	-1.58	-6.82e-04	5.83e-04	1.07e-06	-2.79e-04	4.17e-04
251	9	-1.58	-6.82e-04	5.83e-04	1.07e-06	-2.79e-04	4.17e-04
251	10	0.19	-1.15	1.00	1.89e-03	-4.52e-04	-3.71e-04
251	11	-0.19	-1.15	1.00	1.89e-03	4.53e-04	3.72e-04
251	12	0.0	0.28	0.23	1.80e-06	0.0	0.0
251	13	-2.50e-03	-12.02	10.57	0.02	1.07e-06	4.64e-06
252	1	-2.30e-04	0.21	-0.53	-1.88e-03	1.60e-04	-1.68e-04
252	2	-5.42e-04	0.12	-0.49	-1.30e-03	2.66e-04	-3.97e-04
252	3	-1.06e-03	0.23	-0.95	-2.54e-03	5.20e-04	-7.76e-04
252	4	-4.95	0.04	-0.03	-5.90e-05	8.82e-04	1.19e-03
252	5	-4.95	0.04	-0.03	-5.90e-05	8.82e-04	1.19e-03
252	6	0.61	-3.65	3.17	5.92e-03	-1.38e-03	-1.36e-03
252	7	-0.61	-3.60	3.11	5.82e-03	1.38e-03	1.21e-03
252	8	-1.58	0.01	-9.01e-03	-1.88e-05	2.80e-04	3.78e-04
252	9	-1.58	0.01	-9.01e-03	-1.88e-05	2.80e-04	3.78e-04
252	10	0.19	-1.16	1.01	1.91e-03	-4.51e-04	-4.33e-04
252	11	-0.19	-1.15	0.99	1.88e-03	4.46e-04	3.90e-04
252	12	0.02	0.28	0.23	1.76e-06	0.0	0.0
252	13	-2.69e-03	-12.01	10.58	0.02	-4.34e-04	1.27e-04
253	1	-2.47e-04	0.16	-0.58	-1.73e-03	2.14e-04	-1.48e-04
253	2	-5.70e-04	-0.03	-0.58	2.31e-04	3.85e-04	-4.43e-04
253	3	-1.12e-03	-0.06	-1.13	4.51e-04	7.53e-04	-8.67e-04
253	4	-4.95	0.21	-0.17	-3.26e-04	8.73e-04	1.04e-03
253	5	-4.95	0.21	-0.17	-3.26e-04	8.73e-04	1.04e-03
253	6	0.61	-3.87	3.30	6.16e-03	-1.27e-03	-1.58e-03
253	7	-0.61	-3.49	2.97	5.56e-03	1.36e-03	1.47e-03
253	8	-1.58	0.07	-0.06	-1.04e-04	2.78e-04	3.31e-04
253	9	-1.58	0.07	-0.06	-1.04e-04	2.78e-04	3.31e-04
253	10	0.19	-1.23	1.06	1.98e-03	-4.12e-04	-5.07e-04
253	11	-0.19	-1.11	0.95	1.79e-03	4.43e-04	4.82e-04
253	12	0.09	0.28	0.23	0.0	0.0	0.0
253	13	-3.64e-03	-11.98	10.70	0.02	-5.00e-04	1.87e-04
254	1	-2.78e-04	0.16	-0.58	-1.73e-03	-1.88e-04	1.50e-04
254	2	-6.35e-04	-0.03	-0.58	2.49e-04	-3.33e-04	4.41e-04
254	3	-1.24e-03	-0.06	-1.13	4.88e-04	-6.52e-04	8.63e-04
254	4	-4.95	0.37	-0.32	-5.71e-04	8.46e-04	9.97e-04
254	5	-4.95	0.37	-0.32	-5.71e-04	8.46e-04	9.97e-04
254	6	0.61	-4.01	3.42	6.39e-03	-1.23e-03	-1.27e-03
254	7	-0.61	-3.32	2.83	5.30e-03	1.42e-03	1.65e-03
254	8	-1.58	0.12	-0.10	-1.82e-04	2.69e-04	3.17e-04
254	9	-1.58	0.12	-0.10	-1.82e-04	2.69e-04	3.17e-04
254	10	0.19	-1.28	1.09	2.06e-03	-3.96e-04	-4.07e-04
254	11	-0.19	-1.05	0.91	1.71e-03	4.65e-04	5.27e-04
254	12	0.17	0.28	0.23	-1.18e-06	0.0	0.0
254	13	-4.56e-03	-11.91	10.66	0.02	9.80e-04	5.31e-04
255	1	-2.96e-04	0.21	-0.54	-1.89e-03	-1.26e-04	1.77e-04
255	2	-6.64e-04	0.11	-0.50	-1.32e-03	-2.01e-04	4.14e-04
255	3	-1.30e-03	0.22	-0.98	-2.58e-03	-3.93e-04	8.10e-04
255	4	-4.95	0.52	-0.46	-8.33e-04	8.03e-04	1.15e-03
255	5	-4.95	0.52	-0.46	-8.33e-04	8.03e-04	1.15e-03
255	6	0.61	-4.09	3.53	6.61e-03	-1.25e-03	-1.10e-03
255	7	-0.61	-3.10	2.69	5.07e-03	1.43e-03	1.36e-03
255	8	-1.58	0.17	-0.14	-2.65e-04	2.55e-04	3.66e-04
255	9	-1.58	0.17	-0.14	-2.65e-04	2.55e-04	3.66e-04
255	10	0.19	-1.30	1.13	2.13e-03	-4.06e-04	-3.52e-04
255	11	-0.19	-0.99	0.86	1.64e-03	4.63e-04	4.35e-04
255	12	0.25	0.28	0.23	0.0	0.0	0.0
255	13	-5.47e-03	-11.81	10.46	0.02	9.95e-04	2.30e-04
256	1	-2.96e-04	0.21	-0.54	-2.02e-03	4.07e-05	9.71e-06
256	2	-6.63e-04	0.12	-0.50	-2.06e-03	7.68e-05	1.89e-05
256	3	-1.30e-03	0.24	-0.98	-4.03e-03	1.50e-04	3.70e-05
256	4	-4.95	0.56	-0.48	-8.89e-04	7.84e-04	1.31e-03
256	5	-4.95	0.56	-0.48	-8.89e-04	7.84e-04	1.31e-03
256	6	0.61	-4.11	3.55	6.63e-03	-1.25e-03	-1.11e-03
256	7	-0.61	-3.08	2.66	5.01e-03	1.44e-03	1.17e-03
256	8	-1.58	0.18	-0.15	-2.83e-04	2.49e-04	4.16e-04
256	9	-1.58	0.18	-0.15	-2.83e-04	2.49e-04	4.16e-04
256	10	0.19	-1.31	1.13	2.14e-03	-4.05e-04	-3.55e-04
256	11	-0.19	-0.98	0.85	1.62e-03	4.63e-04	3.71e-04
256	12	0.27	0.28	0.23	1.72e-06	0.0	0.0

256	13	-5.65e-03	-11.81	10.44	0.02	5.84e-04	1.68e-04
257	1	-2.96e-04	0.21	-0.54	-1.92e-03	2.03e-04	-1.49e-04
257	2	-6.61e-04	0.12	-0.51	-1.39e-03	3.45e-04	-3.53e-04
257	3	-1.29e-03	0.23	-0.99	-2.71e-03	6.74e-04	-6.90e-04
257	4	-4.95	0.59	-0.51	-9.47e-04	7.93e-04	1.19e-03
257	5	-4.95	0.59	-0.51	-9.47e-04	7.93e-04	1.19e-03
257	6	0.61	-4.13	3.56	6.68e-03	-1.23e-03	-1.28e-03
257	7	-0.61	-3.06	2.64	4.98e-03	1.41e-03	1.20e-03
257	8	-1.58	0.19	-0.16	-3.01e-04	2.52e-04	3.78e-04
257	9	-1.58	0.19	-0.16	-3.01e-04	2.52e-04	3.78e-04
257	10	0.19	-1.31	1.14	2.15e-03	-3.99e-04	-4.12e-04
257	11	-0.19	-0.97	0.84	1.61e-03	4.52e-04	3.84e-04
257	12	0.28	0.28	0.23	2.69e-06	0.0	0.0
257	13	-5.82e-03	-11.80	10.43	0.02	1.14e-04	4.42e-04
258	1	-3.13e-04	0.16	-0.60	-1.87e-03	2.62e-04	-1.12e-04
258	2	-6.87e-04	-0.01	-0.61	-1.13e-04	4.69e-04	-3.54e-04
258	3	-1.34e-03	-0.02	-1.19	-2.21e-04	9.18e-04	-6.93e-04
258	4	-4.95	0.75	-0.64	-1.20e-03	7.88e-04	9.90e-04
258	5	-4.95	0.75	-0.64	-1.20e-03	7.88e-04	9.90e-04
258	6	0.61	-4.30	3.66	6.84e-03	-1.11e-03	-1.37e-03
258	7	-0.61	-2.94	2.52	4.76e-03	1.30e-03	1.41e-03
258	8	-1.58	0.24	-0.20	-3.80e-04	2.51e-04	3.15e-04
258	9	-1.58	0.24	-0.20	-3.80e-04	2.51e-04	3.15e-04
258	10	0.19	-1.37	1.17	2.20e-03	-3.62e-04	-4.40e-04
258	11	-0.19	-0.94	0.81	1.54e-03	4.16e-04	4.51e-04
258	12	0.36	0.28	0.23	3.70e-06	0.0	0.0
258	13	-6.66e-03	-11.65	10.47	0.02	3.46e-05	8.41e-04
259	1	-3.41e-04	0.17	-0.60	-1.94e-03	-1.57e-04	1.82e-04
259	2	-7.45e-04	5.05e-03	-0.62	-2.64e-04	-2.81e-04	5.23e-04
259	3	-1.46e-03	9.87e-03	-1.22	-5.16e-04	-5.49e-04	1.02e-03
259	4	-4.95	0.89	-0.76	-1.41e-03	7.54e-04	8.87e-04
259	5	-4.95	0.89	-0.76	-1.41e-03	7.54e-04	8.87e-04
259	6	0.61	-4.38	3.73	6.95e-03	-1.02e-03	1.10e-03
259	7	-0.61	-2.77	2.40	4.53e-03	1.27e-03	1.61e-03
259	8	-1.58	0.28	-0.24	-4.47e-04	2.40e-04	2.82e-04
259	9	-1.58	0.28	-0.24	-4.47e-04	2.40e-04	2.82e-04
259	10	0.19	-1.39	1.19	2.24e-03	-3.34e-04	3.59e-04
259	11	-0.19	-0.88	0.77	1.47e-03	4.07e-04	5.19e-04
259	12	0.44	0.28	0.23	1.53e-06	0.0	0.0
259	13	-7.45e-03	-11.44	10.34	0.02	1.70e-03	1.23e-03
260	1	-3.54e-04	0.23	-0.56	-2.03e-03	-1.40e-04	1.86e-04
260	2	-7.62e-04	0.16	-0.55	-1.60e-03	-2.36e-04	4.37e-04
260	3	-1.49e-03	0.32	-1.07	-3.12e-03	-4.63e-04	8.55e-04
260	4	-4.95	1.02	-0.88	-1.61e-03	6.78e-04	1.10e-03
260	5	-4.95	1.02	-0.88	-1.61e-03	6.78e-04	1.10e-03
260	6	0.61	-4.37	3.76	6.99e-03	9.59e-04	8.99e-04
260	7	-0.61	-2.58	2.26	4.28e-03	1.33e-03	1.29e-03
260	8	-1.58	0.32	-0.28	-5.12e-04	2.16e-04	3.50e-04
260	9	-1.58	0.32	-0.28	-5.12e-04	2.16e-04	3.50e-04
260	10	0.19	-1.39	1.20	2.25e-03	3.18e-04	2.90e-04
260	11	-0.19	-0.82	0.72	1.38e-03	4.30e-04	4.13e-04
260	12	0.52	0.28	0.23	0.0	1.91e-06	0.0
260	13	-8.17e-03	-11.22	9.99	0.02	2.15e-03	6.71e-04
261	1	-3.54e-04	0.23	-0.56	-2.11e-03	1.54e-05	2.74e-06
261	2	-7.58e-04	0.17	-0.54	-2.20e-03	1.95e-05	2.59e-06
261	3	-1.48e-03	0.33	-1.06	-4.30e-03	3.81e-05	5.07e-06
261	4	-4.95	1.05	-0.90	-1.65e-03	6.43e-04	1.29e-03
261	5	-4.95	1.05	-0.90	-1.65e-03	6.43e-04	1.29e-03
261	6	0.61	-4.39	3.76	6.97e-03	9.31e-04	-9.60e-04
261	7	-0.61	-2.56	2.23	4.21e-03	1.34e-03	1.13e-03
261	8	-1.58	0.33	-0.29	-5.25e-04	2.05e-04	4.11e-04
261	9	-1.58	0.33	-0.29	-5.25e-04	2.05e-04	4.11e-04
261	10	0.19	-1.40	1.20	2.24e-03	3.05e-04	-3.06e-04
261	11	-0.19	-0.81	0.71	1.36e-03	4.32e-04	3.59e-04
261	12	0.54	0.28	0.23	1.06e-06	2.05e-06	0.0
261	13	-8.31e-03	-11.20	9.92	0.02	1.86e-03	5.01e-04
262	1	-3.53e-04	0.23	-0.56	-1.96e-03	1.68e-04	-2.04e-04
262	2	-7.55e-04	0.16	-0.55	-1.38e-03	2.74e-04	-4.88e-04
262	3	-1.48e-03	0.32	-1.07	-2.69e-03	5.36e-04	-9.55e-04
262	4	-4.95	1.09	-0.92	-1.69e-03	6.57e-04	1.17e-03
262	5	-4.95	1.09	-0.92	-1.69e-03	6.57e-04	1.17e-03
262	6	0.61	-4.41	3.76	6.97e-03	8.87e-04	-9.95e-04
262	7	-0.61	-2.54	2.21	4.16e-03	1.31e-03	1.15e-03
262	8	-1.58	0.35	-0.29	-5.38e-04	2.09e-04	3.73e-04
262	9	-1.58	0.35	-0.29	-5.38e-04	2.09e-04	3.73e-04
262	10	0.19	-1.40	1.20	2.24e-03	2.90e-04	-3.19e-04

262	11	-0.19	-0.81	0.71	1.35e-03	4.22e-04	3.68e-04
262	12	0.55	0.28	0.23	1.12e-06	2.16e-06	1.12e-06
262	13	-8.43e-03	-11.17	9.87	0.02	1.38e-03	1.40e-03
263	1	-3.72e-04	0.16	-0.60	-1.50e-03	2.56e-05	-2.87e-04
263	2	-7.85e-04	-0.03	-0.62	1.01e-03	5.97e-05	-7.56e-04
263	3	-1.54e-03	-0.06	-1.21	1.98e-03	1.17e-04	-1.48e-03
263	4	-4.95	1.23	-1.02	-1.83e-03	6.45e-04	9.14e-04
263	5	-4.95	1.23	-1.02	-1.83e-03	6.45e-04	9.14e-04
263	6	0.61	-4.49	3.75	6.84e-03	8.46e-04	-9.25e-04
263	7	-0.61	-2.43	2.08	3.85e-03	1.29e-03	1.34e-03
263	8	-1.58	0.39	-0.32	-5.82e-04	2.05e-04	2.91e-04
263	9	-1.58	0.39	-0.32	-5.82e-04	2.05e-04	2.91e-04
263	10	0.19	-1.43	1.19	2.19e-03	2.82e-04	-3.03e-04
263	11	-0.19	-0.77	0.66	1.24e-03	4.21e-04	4.33e-04
263	12	0.63	0.28	0.23	-8.64e-06	3.18e-06	3.90e-06
263	13	-8.95e-03	-10.65	9.68	0.01	2.02e-03	3.10e-03
264	1	-4.12e-04	0.12	-0.54	-1.12e-03	-8.05e-04	-7.86e-05
264	2	-8.70e-04	-0.11	-0.52	1.83e-03	-1.36e-03	-1.69e-05
264	3	-1.70e-03	-0.21	-1.01	3.58e-03	-2.65e-03	-3.31e-05
264	4	-4.95	1.34	-1.12	-1.94e-03	5.89e-04	7.56e-04
264	5	-4.95	1.34	-1.12	-1.94e-03	5.89e-04	7.56e-04
264	6	0.61	-4.43	3.70	6.67e-03	1.18e-03	9.60e-04
264	7	-0.61	-2.28	1.94	3.53e-03	1.48e-03	1.46e-03
264	8	-1.58	0.43	-0.36	-6.18e-04	1.87e-04	2.40e-04
264	9	-1.58	0.43	-0.36	-6.18e-04	1.87e-04	2.40e-04
264	10	0.19	-1.41	1.18	2.13e-03	4.16e-04	3.17e-04
264	11	-0.19	-0.72	0.62	1.13e-03	5.01e-04	4.71e-04
264	12	0.71	0.28	0.23	-1.95e-05	4.90e-06	4.39e-06
264	13	-9.28e-03	-9.95	9.12	9.37e-03	5.19e-03	3.79e-03
265	1	-4.46e-04	0.12	-0.35	-1.00e-03	-1.38e-03	-1.35e-04
265	2	-9.37e-04	-0.06	-0.19	2.50e-04	-2.22e-03	-1.24e-04
265	3	-1.83e-03	-0.11	-0.38	4.90e-04	-4.34e-03	-2.43e-04
265	4	-4.95	1.43	-1.20	-2.13e-03	4.82e-04	1.03e-03
265	5	-4.95	1.43	-1.20	-2.13e-03	4.82e-04	1.03e-03
265	6	0.61	-4.30	3.62	6.52e-03	1.49e-03	6.47e-04
265	7	-0.61	-2.11	1.79	3.25e-03	1.69e-03	1.21e-03
265	8	-1.58	0.46	-0.38	-6.78e-04	1.53e-04	3.28e-04
265	9	-1.58	0.46	-0.38	-6.78e-04	1.53e-04	3.28e-04
265	10	0.19	-1.37	1.15	2.08e-03	5.28e-04	2.09e-04
265	11	-0.19	-0.67	0.57	1.04e-03	5.76e-04	3.86e-04
265	12	0.79	0.28	0.23	-9.61e-06	6.79e-06	1.58e-06
265	13	-9.42e-03	-9.24	8.06	0.01	7.72e-03	2.60e-03
266	1	-4.50e-04	0.12	-0.30	-1.13e-03	-1.38e-03	-2.78e-04
266	2	-9.45e-04	-0.07	-0.12	-7.28e-04	-2.19e-03	-4.37e-04
266	3	-1.85e-03	-0.13	-0.24	-1.42e-03	-4.29e-03	-8.54e-04
266	4	-4.95	1.47	-1.22	-2.19e-03	4.38e-04	1.26e-03
266	5	-4.95	1.47	-1.22	-2.19e-03	4.38e-04	1.26e-03
266	6	0.61	-4.31	3.59	6.48e-03	1.54e-03	-8.20e-04
266	7	-0.61	-2.10	1.76	3.19e-03	1.71e-03	1.13e-03
266	8	-1.58	0.47	-0.39	-6.95e-04	1.39e-04	3.99e-04
266	9	-1.58	0.47	-0.39	-6.95e-04	1.39e-04	3.99e-04
266	10	0.19	-1.37	1.14	2.06e-03	5.38e-04	-2.65e-04
266	11	-0.19	-0.67	0.56	1.02e-03	5.83e-04	3.61e-04
266	12	0.81	0.28	0.23	-3.22e-06	6.76e-06	2.30e-06
266	13	-9.43e-03	-9.17	7.80	0.01	7.98e-03	1.79e-03

Nodo	**Traslazione X**	**Traslazione Y**	**Traslazione Z**	**Rotazione X**	**Rotazione Y**	**Rotazione Z**
	-4.95	-12.02	-8.31	-4.30e-03	-0.01	-3.78e-03
	0.82	1.47	10.70	0.02	0.01	3.79e-03

Nodo	**CDC**	**Azione X**	**Azione Y**	**Azione Z**	**Azione RX**	**Azione RY**	**Azione RZ**
		daN	daN	daN	daN cm	daN cm	daN cm
1	1	-1.24	-3.62	-1452.98	-3722.46	-4.79	51.33
1	2	-3.27	-8.97	-596.38	1636.05	-11.12	132.88
1	3	-6.39	-17.55	-1166.64	3200.47	-21.76	259.95
1	4	-198.04	-73.70	-21.26	3.421e+04	-6.208e+04	-1.294e+04
1	5	-198.04	-73.70	-21.26	3.421e+04	-6.208e+04	-1.294e+04
1	6	25.23	-102.12	-13.12	4.953e+04	7358.70	-6931.44
1	7	-25.53	-216.60	-17.18	1.004e+05	-7405.81	6857.46
1	8	-62.97	-23.43	-6.76	1.088e+04	-1.974e+04	-4115.46
1	9	-62.97	-23.43	-6.76	1.088e+04	-1.974e+04	-4115.46
1	10	8.02	-32.85	-4.36	1.565e+04	2339.06	-2203.36
1	11	-8.11	-69.16	-5.68	3.183e+04	-2354.03	2180.00
1	12	-38.00	0.17	-2.32	-28.40	-1.164e+04	-3717.61
1	13	8.61	-530.07	1365.70	1.943e+05	51.64	-472.43
2	1	0.27	3.80	-1914.43	-4496.25	-0.63	-2.62

2	2	0.75	9.63	-1665.68	-69.76	-0.45	-9.97
2	3	1.47	18.83	-3258.43	-136.47	-0.89	-19.50
2	4	-198.28	-43.33	7.57	2.683e+04	-6.210e+04	-1.295e+04
2	5	-198.28	-43.33	7.57	2.683e+04	-6.210e+04	-1.295e+04
2	6	25.26	-129.66	8.74	5.774e+04	7361.23	-6945.82
2	7	-25.46	-216.25	13.36	1.017e+05	-7403.87	6931.29
2	8	-63.04	-13.78	2.41	8530.31	-1.974e+04	-4118.59
2	9	-63.04	-13.78	2.41	8530.31	-1.974e+04	-4118.59
2	10	8.03	-44.81	3.10	1.728e+04	2339.86	-2207.97
2	11	-8.09	-72.06	4.37	3.133e+04	-2353.42	2203.36
2	12	-25.35	-0.10	1.80	-5.94	-7759.57	-2476.86
2	13	-1.51	-682.37	3980.76	2.242e+05	16.14	-62.22
3	1	-0.06	-0.66	-1829.48	-5025.49	-0.54	3.45
3	2	-0.16	-1.92	-1447.53	-1404.38	-0.65	7.72
3	3	-0.31	-3.75	-2831.68	-2747.26	-1.28	15.11
3	4	-198.23	-21.72	-4.11	1.452e+04	-6.210e+04	-1.296e+04
3	5	-198.23	-21.72	-4.11	1.452e+04	-6.210e+04	-1.296e+04
3	6	25.24	-164.01	6.58	6.746e+04	7361.40	-6958.83
3	7	-25.40	-208.08	10.80	9.313e+04	-7401.40	6974.28
3	8	-63.03	-6.91	-1.31	4615.77	-1.974e+04	-4122.18
3	9	-63.03	-6.91	-1.31	4615.77	-1.974e+04	-4122.18
3	10	8.02	-56.86	2.32	2.007e+04	2339.91	-2212.08
3	11	-8.07	-70.51	3.74	2.829e+04	-2352.64	2217.05
3	12	-12.67	-0.03	0.20	24.02	-3879.23	-1238.03
3	13	0.53	-684.94	3443.36	2.455e+05	3.36	-29.53
4	1	1.90e-06	0.98	-1849.39	-4616.62	-0.64	3.13
4	2	-2.62e-05	2.56	-1503.12	-335.61	-1.17	6.50
4	3	-5.13e-05	5.00	-2940.43	-656.52	-2.28	12.72
4	4	-198.25	0.09	-6.69e-03	-54.43	-6.210e+04	-1.297e+04
4	5	-198.25	0.09	-6.69e-03	-54.43	-6.210e+04	-1.297e+04
4	6	25.25	-178.62	9.86	8.361e+04	7361.98	-6962.69
4	7	-25.37	-178.53	9.69	8.353e+04	-7400.02	6990.21
4	8	-63.03	0.03	-2.14e-03	-17.30	-1.974e+04	-4123.27
4	9	-63.03	0.03	-2.14e-03	-17.30	-1.974e+04	-4123.27
4	10	8.02	-60.15	3.38	2.554e+04	2340.10	-2213.31
4	11	-8.06	-60.12	3.31	2.552e+04	-2352.20	2222.05
4	12	2.35e-05	-0.08	0.65	20.66	7.39e-03	-2.69e-03
4	13	4.55e-04	-706.72	3576.62	2.475e+05	-4.17	19.95
5	1	0.06	-0.66	-1829.48	-5024.84	-0.74	2.81
5	2	0.16	-1.92	-1447.55	-1402.99	-1.68	5.28
5	3	0.31	-3.76	-2831.71	-2744.55	-3.29	10.33
5	4	-198.23	21.71	4.11	-1.452e+04	-6.210e+04	-1.296e+04
5	5	-198.23	21.71	4.11	-1.452e+04	-6.210e+04	-1.296e+04
5	6	25.28	-208.16	10.65	9.317e+04	7363.37	-6946.71
5	7	-25.37	-163.93	6.80	6.737e+04	-7399.44	6986.27
5	8	-63.03	6.90	1.31	-4617.02	-1.974e+04	-4122.17
5	9	-63.03	6.90	1.31	-4617.02	-1.974e+04	-4122.17
5	10	8.03	-70.54	3.67	2.830e+04	2340.54	-2208.28
5	11	-8.06	-56.84	2.41	2.004e+04	-2352.02	2220.81
5	12	12.67	-0.03	0.20	24.01	3879.25	1238.02
5	13	-0.53	-684.76	3443.45	2.454e+05	-11.71	69.52
6	1	-0.27	3.79	-1914.43	-4494.52	-0.64	8.88
6	2	-0.75	9.62	-1665.66	-66.18	-1.88	22.95
6	3	-1.47	18.81	-3258.38	-129.46	-3.68	44.89
6	4	-198.28	43.32	-7.58	-2.682e+04	-6.210e+04	-1.295e+04
6	5	-198.28	43.32	-7.58	-2.682e+04	-6.210e+04	-1.295e+04
6	6	25.33	-216.13	13.31	1.017e+05	7365.85	-6903.62
6	7	-25.38	-129.52	8.79	5.769e+04	-7399.26	6973.19
6	8	-63.04	13.77	-2.41	-8528.57	-1.974e+04	-4118.57
6	9	-63.04	13.77	-2.41	-8528.57	-1.974e+04	-4118.57
6	10	8.05	-72.01	4.35	3.134e+04	2341.32	-2194.56
6	11	-8.07	-44.76	3.12	1.727e+04	-2351.96	2216.67
6	12	25.35	-0.10	1.80	-5.94	7759.58	2476.85
6	13	1.51	-681.98	3980.74	2.240e+05	-24.54	102.58
7	1	1.24	-3.63	-1452.52	-3719.16	3.50	-45.06
7	2	3.27	-8.99	-593.74	1642.87	8.78	-119.87
7	3	6.39	-17.59	-1161.48	3213.80	17.18	-234.49
7	4	-198.04	73.69	21.27	-3.419e+04	-6.208e+04	-1.294e+04
7	5	-198.04	73.69	21.27	-3.419e+04	-6.208e+04	-1.294e+04
7	6	25.41	-216.45	-17.12	1.003e+05	7367.78	-6829.81
7	7	-25.36	-102.08	-12.99	4.949e+04	-7396.69	6958.65
7	8	-62.97	23.43	6.76	-1.087e+04	-1.974e+04	-4115.35
7	9	-62.97	23.43	6.76	-1.087e+04	-1.974e+04	-4115.35
7	10	8.08	-69.11	-5.65	3.180e+04	2341.93	-2171.22
7	11	-8.06	-32.84	-4.31	1.564e+04	-2351.14	2212.02
7	12	38.00	0.17	-2.32	-28.41	1.164e+04	3717.57

7	13	-8.61	-529.14	1359.37	1.940e+05	-60.06	512.89
Nodo		**Azione X**	**Azione Y**	**Azione Z**	**Azione RX**	**Azione RY**	**Azione RZ**
		-198.28	-706.72	-3258.43	-3.419e+04	-6.210e+04	-1.297e+04
		38.00	73.69	3980.76	2.475e+05	1.164e+04	6990.21
Nodo	**Cmb**	**Azione X**	**Azione Y**	**Azione Z**	**Azione RX**	**Azione RY**	**Azione RZ**
		daN	daN	daN	daN cm	daN cm	daN cm
1	4	-41.90	-519.60	-3187.09	1.770e+05	-1.048e+04	-3141.63
	21	42.60	-807.86	1.28	2.894e+05	1.054e+04	2821.42
	49	80.44	226.12	-2025.81	-1.128e+05	2.601e+04	-2790.40
	23	37.81	-821.02	-873.71	2.918e+05	1.052e+04	3016.38
	40	-210.21	-151.27	-2075.77	6.226e+04	-6.432e+04	-1.070e+04
	37	201.20	126.09	-2022.95	-6.643e+04	6.428e+04	1.107e+04
2	3	25.00	-568.35	-5960.73	1.957e+05	6995.39	2127.56
	22	-24.05	-1010.23	2392.64	3.317e+05	-6960.49	-2335.09
	49	85.97	242.68	-3595.75	-1.144e+05	2.603e+04	-3058.08
	21	21.59	-1010.05	2389.40	3.318e+05	7006.73	2123.25
	40	-204.89	-94.79	-3568.53	5.279e+04	-6.432e+04	-1.089e+04
	37	206.94	121.63	-3591.70	-6.192e+04	6.432e+04	1.086e+04
3	3	11.13	-625.39	-5408.78	2.084e+05	3490.86	1124.84
	22	-10.83	-1030.02	1888.21	3.618e+05	-3487.47	-1147.35
	49	84.65	212.02	-3286.57	-1.039e+05	2.603e+04	-3073.93
	22	-10.83	-1030.02	1888.21	3.618e+05	-3487.47	-1147.35
	40	-206.07	-86.72	-3277.88	3.603e+04	-6.432e+04	-1.086e+04
	37	205.64	81.57	-3276.14	-4.889e+04	6.432e+04	1.088e+04
4	3	2.80e-04	-623.88	-5550.52	2.154e+05	-9.53	49.57
	22	6.80e-04	-1056.61	2013.00	3.664e+05	-8.05	39.56
	47	-84.72	182.19	-3362.38	-8.858e+04	-2.599e+04	3082.12
	22	6.80e-04	-1056.61	2013.00	3.664e+05	-8.05	39.56
	40	-205.86	-49.93	-3349.61	2.005e+04	-6.432e+04	-1.086e+04
	37	205.86	57.01	-3355.41	-2.996e+04	6.432e+04	1.088e+04
5	3	-11.13	-625.25	-5408.78	2.084e+05	-3509.94	-1025.63
	22	10.83	-1029.76	1888.32	3.617e+05	3471.34	1226.60
	43	-84.53	212.09	-3286.44	-1.040e+05	-2.600e+04	3065.63
	22	10.83	-1029.76	1888.32	3.617e+05	3471.34	1226.60
	40	-205.63	-30.05	-3270.87	-735.46	-6.432e+04	-1.086e+04
	37	206.06	24.89	-3283.18	-1.212e+04	6.432e+04	1.088e+04
6	3	-25.00	-568.04	-5960.64	1.955e+05	-7014.51	-2028.13
	22	24.05	-1009.65	2392.65	3.315e+05	6944.28	2414.86
	43	-85.85	242.53	-3595.67	-1.144e+05	-2.600e+04	3049.66
	21	-21.59	-1009.47	2389.41	3.315e+05	-7022.96	-2043.47
	40	-206.92	17.87	-3585.03	-1.408e+04	-6.432e+04	-1.083e+04
	37	204.87	8.95	-3575.15	4955.61	6.431e+04	1.089e+04
7	4	41.90	-518.85	-3181.02	1.767e+05	1.046e+04	3241.27
	21	-42.60	-806.49	-5.12	2.890e+05	-1.055e+04	-2741.41
	43	-80.31	225.93	-2022.76	-1.127e+05	-2.598e+04	2782.15
	23	-37.81	-819.68	-876.23	2.914e+05	-1.054e+04	-2917.27
	40	-201.14	30.44	-2028.89	-2.142e+04	-6.428e+04	-1.102e+04
	37	210.16	-55.68	-2063.63	1.727e+04	6.431e+04	1.069e+04

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 (espresse 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 (*PALO*) 4) plinto su palo 5) plinto su due pali (*PL.2P*) 6) plinto su tre pali (*PL.3P*) 7) plinto su quattro pali (*PL.4P*) 8) plinto rettangolare su cinque pali (*PL.5P.R*) 9) plinto pentagonale su cinque pali (*PL.5P*) 10) plinto su sei pali (*PL.6P*)
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 Fz (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.

Con riferimento al **Documento di Affidabilità** "*Test di validazione del software di calcolo PRO_SAP e dei moduli aggiuntivi PRO_SAP Modulo Geotecnico, PRO_CAD nodi acciaio e PRO_MST*" - versione Settembre 2014, disponibile per il download sul sito **www.2si.it**, si segnalano i seguenti esempi applicativi:

Test N°	Titolo
105	PLINTO SUPERFICIALE
106	PLINTO SUPERFICIALE
107	PLINTO SUPERFICIALE
108	PLINTO SUPERFICIALE
109	PLINTO SUPERFICIALE
110	PLINTO SUPERFICIALE
111	PLINTO SUPERFICIALE
112	PLINTO SUPERFICIALE
113	PLINTO SUPERFICIALE
114	PLINTO SUPERFICIALE
115	PLINTO SUPERFICIALE
116	PLINTO SUPERFICIALE
117	PLINTO SUPERFICIALE
118	PLINTO SUPERFICIALE
119	PLINTO SUPERFICIALE
120	PLINTO SUPERFICIALE
121	PLINTO SUPERFICIALE
122	PLINTO SUPERFICIALE
123	PLINTO SUPERFICIALE
124	FONDAZIONE NASTRIFORME
125	CALCOLO DEI K DI WINKLER

Nodo	Tipo	Palo	Cmb	Quota	Fx	Fy	Fz	Mx	My	Mz
				cm	daN	daN	daN	daN cm	daN cm	daN cm
1	PL.1P D 50.00	1	1	-60.00	36.09	-493.59	-1432.95	-2.018e+05	1.267e+04	3160.14
		1	2	-60.00	-32.31	-493.28	-1437.13	-2.017e+05	-1.239e+04	-3531.56
		1	3	-60.00	26.50	-519.91	-3182.92	-2.082e+05	1.206e+04	3550.06
		1	4	-60.00	-41.90	-519.60	-3187.09	-2.081e+05	-1.300e+04	-3141.63
		1	5	-60.00	37.44	-489.81	-818.14	-2.022e+05	1.275e+04	3104.87
		1	6	-60.00	-30.96	-489.50	-822.32	-2.021e+05	-1.230e+04	-3586.82
		1	7	-60.00	27.85	-516.14	-2568.11	-2.086e+05	1.215e+04	3494.80
		1	8	-60.00	-40.55	-515.82	-2572.29	-2.085e+05	-1.291e+04	-3196.90
		1	9	-60.00	58.88	-493.70	-1431.56	-2.018e+05	2.102e+04	5390.70
		1	10	-60.00	-55.11	-493.17	-1438.52	-2.017e+05	-2.074e+04	-5762.13
		1	11	-60.00	54.09	-506.86	-2306.54	-2.050e+05	2.072e+04	5585.67
		1	12	-60.00	-59.90	-506.33	-2313.50	-2.049e+05	-2.105e+04	-5567.16
		1	13	-60.00	60.24	-489.92	-816.75	-2.022e+05	2.111e+04	5335.44
		1	14	-60.00	-53.76	-489.39	-823.71	-2.021e+05	-2.066e+04	-5817.39
		1	15	-60.00	55.44	-503.08	-1691.73	-2.054e+05	2.080e+04	5530.40
		1	16	-60.00	-58.55	-502.56	-1698.70	-2.053e+05	-2.096e+04	-5622.43
		1	17	-60.00	41.25	-811.64	-613.53	-3.375e+05	1.301e+04	2876.68
		1	18	-60.00	-27.14	-811.32	-617.71	-3.374e+05	-1.205e+04	-3815.02
		1	19	-60.00	36.46	-824.80	-1488.52	-3.407e+05	1.270e+04	3071.64
		1	20	-60.00	-31.94	-824.48	-1492.69	-3.406e+05	-1.235e+04	-3620.06
		1	21	-60.00	42.60	-807.86	1.28	-3.379e+05	1.309e+04	2821.42
		1	22	-60.00	-25.79	-807.54	-2.90	-3.378e+05	-1.196e+04	-3870.28
		1	23	-60.00	37.81	-821.02	-873.71	-3.411e+05	1.279e+04	3016.38
		1	24	-60.00	-30.59	-820.70	-877.89	-3.410e+05	-1.227e+04	-3675.32
		1	25	-60.00	185.97	91.75	-2024.17	5.666e+04	7.101e+04	1.521e+04
		1	26	-60.00	201.11	30.47	-2032.04	2.327e+04	7.634e+04	1.105e+04
		1	27	-60.00	-210.12	-55.65	-2066.68	-2.061e+04	-7.691e+04	-1.068e+04
		1	28	-60.00	-194.98	-116.93	-2074.55	-5.400e+04	-7.159e+04	-1.484e+04

Nodo	Tipo	Palo	Cmb	Quota	Fx	Fy	Fz	Mx	My	Mz
		1	29	-60.00	201.20	126.09	-2022.95	7.400e+04	7.636e+04	1.107e+04
		1	30	-60.00	185.88	-3.87	-2033.26	5935.07	7.099e+04	1.518e+04
		1	31	-60.00	-194.89	-21.31	-2065.46	-3273.19	-7.157e+04	-1.482e+04
		1	32	-60.00	-210.21	-151.27	-2075.77	-7.133e+04	-7.693e+04	-1.070e+04
		1	33	-60.00	185.97	91.75	-2024.17	5.666e+04	7.101e+04	1.521e+04
		1	34	-60.00	201.11	30.47	-2032.04	2.327e+04	7.634e+04	1.105e+04
		1	35	-60.00	-210.12	-55.65	-2066.68	-2.061e+04	-7.691e+04	-1.068e+04
		1	36	-60.00	-194.98	-116.93	-2074.55	-5.400e+04	-7.159e+04	-1.484e+04
		1	37	-60.00	201.20	126.09	-2022.95	7.400e+04	7.636e+04	1.107e+04
		1	38	-60.00	185.88	-3.87	-2033.26	5935.07	7.099e+04	1.518e+04
		1	39	-60.00	-194.89	-21.31	-2065.46	-3273.19	-7.157e+04	-1.482e+04
		1	40	-60.00	-210.21	-151.27	-2075.77	-7.133e+04	-7.693e+04	-1.070e+04
		1	41	-60.00	29.67	111.64	-2029.86	6.858e+04	1.303e+04	1.100e+04
		1	42	-60.00	80.14	-92.60	-2056.10	-4.273e+04	3.077e+04	-2864.39
		1	43	-60.00	-89.15	67.42	-2042.62	4.540e+04	-3.135e+04	3232.81
		1	44	-60.00	-38.69	-136.82	-2068.86	-6.592e+04	-1.360e+04	-1.063e+04
		1	45	-60.00	29.67	111.64	-2029.86	6.858e+04	1.303e+04	1.100e+04
		1	46	-60.00	80.14	-92.60	-2056.10	-4.273e+04	3.077e+04	-2864.39
		1	47	-60.00	-89.15	67.42	-2042.62	4.540e+04	-3.135e+04	3232.81
		1	48	-60.00	-38.69	-136.82	-2068.86	-6.592e+04	-1.360e+04	-1.063e+04
		1	49	-60.00	80.44	226.12	-2025.81	1.264e+05	3.084e+04	-2790.40
		1	50	-60.00	29.38	-207.08	-2060.16	-1.005e+05	1.296e+04	1.092e+04
		1	51	-60.00	-38.39	181.90	-2038.56	1.032e+05	-1.354e+04	-1.056e+04
		1	52	-60.00	-89.45	-251.30	-2072.91	-1.237e+05	-3.141e+04	3158.83
		1	53	-60.00	80.44	226.12	-2025.81	1.264e+05	3.084e+04	-2790.40
		1	54	-60.00	29.38	-207.08	-2060.16	-1.005e+05	1.296e+04	1.092e+04
		1	55	-60.00	-38.39	181.90	-2038.56	1.032e+05	-1.354e+04	-1.056e+04
		1	56	-60.00	-89.45	-251.30	-2072.91	-1.237e+05	-3.141e+04	3158.83
		1	57	-60.00	56.05	20.70	-2041.29	1.890e+04	2.238e+04	4960.68
		1	58	-60.00	60.87	0.98	-2043.91	8327.65	2.407e+04	3638.66
		1	59	-60.00	-69.88	-26.17	-2054.81	-5665.77	-2.465e+04	-3270.24
		1	60	-60.00	-65.07	-45.88	-2057.43	-1.624e+04	-2.296e+04	-4592.26
		1	61	-60.00	60.89	31.59	-2040.90	2.441e+04	2.408e+04	3645.67
		1	62	-60.00	56.03	-9.91	-2044.30	2819.85	2.238e+04	4953.67
		1	63	-60.00	-65.04	-15.27	-2054.42	-157.97	-2.295e+04	-4585.25
		1	64	-60.00	-69.91	-56.77	-2057.82	-2.175e+04	-2.465e+04	-3277.25
		1	65	-60.00	56.05	20.70	-2041.29	1.890e+04	2.238e+04	4960.68
		1	66	-60.00	60.87	0.98	-2043.91	8327.65	2.407e+04	3638.66
		1	67	-60.00	-69.88	-26.17	-2054.81	-5665.77	-2.465e+04	-3270.24
		1	68	-60.00	-65.07	-45.88	-2057.43	-1.624e+04	-2.296e+04	-4592.26
		1	69	-60.00	60.89	31.59	-2040.90	2.441e+04	2.408e+04	3645.67
		1	70	-60.00	56.03	-9.91	-2044.30	2819.85	2.238e+04	4953.67
		1	71	-60.00	-65.04	-15.27	-2054.42	-157.97	-2.295e+04	-4585.25
		1	72	-60.00	-69.91	-56.77	-2057.82	-2.175e+04	-2.465e+04	-3277.25
		1	73	-60.00	6.36	27.29	-2042.97	2.264e+04	3947.90	3622.21
		1	74	-60.00	22.40	-38.42	-2051.69	-1.261e+04	9588.45	-784.51
		1	75	-60.00	-31.42	13.23	-2047.03	1.527e+04	-1.016e+04	1152.94
		1	76	-60.00	-15.38	-52.47	-2055.75	-1.998e+04	-4520.54	-3253.79
		1	77	-60.00	6.36	27.29	-2042.97	2.264e+04	3947.90	3622.21
		1	78	-60.00	22.40	-38.42	-2051.69	-1.261e+04	9588.45	-784.51
		1	79	-60.00	-31.42	13.23	-2047.03	1.527e+04	-1.016e+04	1152.94
		1	80	-60.00	-15.38	-52.47	-2055.75	-1.998e+04	-4520.54	-3253.79
		1	81	-60.00	22.50	63.60	-2041.65	4.100e+04	9609.09	-761.15
		1	82	-60.00	6.27	-74.72	-2053.01	-3.097e+04	3927.26	3598.85
		1	83	-60.00	-15.28	49.54	-2045.71	3.363e+04	-4499.90	-3230.43
		1	84	-60.00	-31.51	-88.78	-2057.07	-3.834e+04	-1.018e+04	1129.58
		1	85	-60.00	22.50	63.60	-2041.65	4.100e+04	9609.09	-761.15
		1	86	-60.00	6.27	-74.72	-2053.01	-3.097e+04	3927.26	3598.85
		1	87	-60.00	-15.28	49.54	-2045.71	3.363e+04	-4499.90	-3230.43
		1	88	-60.00	-31.51	-88.78	-2057.07	-3.834e+04	-1.018e+04	1129.58
		1	89	-60.00	-4.51	-12.59	-2049.36	1330.94	-286.32	184.21
		1	90	-60.00	23.46	-330.74	-1228.55	-1.344e+05	8406.91	2131.32
		1	91	-60.00	-22.14	-330.53	-1231.33	-1.343e+05	-8297.81	-2329.81
		1	92	-60.00	17.06	-348.29	-2395.19	-1.386e+05	8001.56	2391.27
		1	93	-60.00	-28.53	-348.08	-2397.98	-1.386e+05	-8703.16	-2069.86
		1	94	-60.00	38.66	-330.81	-1227.62	-1.344e+05	1.398e+04	3618.36
		1	95	-60.00	-37.34	-330.46	-1232.26	-1.343e+05	-1.387e+04	-3816.86
		1	96	-60.00	35.46	-339.58	-1810.94	-1.365e+05	1.377e+04	3748.34

Nodo	Tipo	Palo	Cmb	Quota	Fx	Fy	Fz	Mx	My	Mz
		1	97	-60.00	-40.54	-339.23	-1815.58	-1.364e+05	-1.407e+04	-3686.88
		1	98	-60.00	26.90	-542.77	-682.27	-2.248e+05	8634.15	1942.35
		1	99	-60.00	-18.70	-542.56	-685.05	-2.248e+05	-8070.56	-2518.78
		1	100	-60.00	23.70	-551.54	-1265.59	-2.269e+05	8431.48	2072.32
		1	101	-60.00	-21.89	-551.33	-1268.38	-2.269e+05	-8273.24	-2388.81
		1	102	-60.00	-4.51	-12.59	-2049.36	1330.94	-286.32	184.21
		1	103	-60.00	-5.79	-16.10	-2282.69	480.28	-367.39	236.20
		1	104	-60.00	14.49	-12.68	-2048.20	1311.49	6673.98	2043.02
		1	105	-60.00	-23.51	-12.50	-2050.52	1350.38	-7246.62	-1674.59
		1	106	-60.00	-2.79	-118.61	-1776.22	-4.389e+04	-172.70	89.73
		1	107	-60.00	-4.51	-12.59	-2049.36	1330.94	-286.32	184.21
2	PL.1P D 50.00	1	1	-60.00	22.80	-596.60	-1073.08	-2.317e+05	8364.63	2156.81
		1	2	-60.00	-22.84	-596.78	-1069.85	-2.317e+05	-8340.85	-2301.54
		1	3	-60.00	25.00	-568.35	-5960.73	-2.298e+05	8495.67	2127.56
		1	4	-60.00	-20.63	-568.53	-5957.49	-2.298e+05	-8209.81	-2330.78
		1	5	-60.00	22.49	-600.62	0.95	-2.333e+05	8346.48	2160.58
		1	6	-60.00	-23.15	-600.80	4.19	-2.333e+05	-8359.00	-2297.76
		1	7	-60.00	24.70	-572.38	-4886.70	-2.314e+05	8477.51	2131.34
		1	8	-60.00	-20.94	-572.56	-4883.46	-2.314e+05	-8227.97	-2327.00
		1	9	-60.00	38.01	-596.54	-1074.16	-2.317e+05	1.393e+04	3642.92
		1	10	-60.00	-38.05	-596.84	-1068.77	-2.317e+05	-1.391e+04	-3787.65
		1	11	-60.00	39.11	-582.41	-3517.99	-2.307e+05	1.400e+04	3628.30
		1	12	-60.00	-36.95	-582.71	-3512.59	-2.307e+05	-1.384e+04	-3802.27
		1	13	-60.00	37.70	-600.56	-0.13	-2.333e+05	1.391e+04	3646.70
		1	14	-60.00	-38.36	-600.86	5.27	-2.333e+05	-1.393e+04	-3783.87
		1	15	-60.00	38.81	-586.44	-2443.95	-2.323e+05	1.398e+04	3632.08
		1	16	-60.00	-37.26	-586.74	-2438.56	-2.323e+05	-1.386e+04	-3798.50
		1	17	-60.00	21.90	-1006.02	1315.37	-3.907e+05	8320.11	2119.47
		1	18	-60.00	-23.74	-1006.20	1318.61	-3.907e+05	-8385.37	-2338.87
		1	19	-60.00	23.00	-991.90	-1128.45	-3.898e+05	8385.62	2104.85
		1	20	-60.00	-22.64	-992.08	-1125.21	-3.898e+05	-8319.86	-2353.49
		1	21	-60.00	21.59	-1010.05	2389.40	-3.924e+05	8301.95	2123.25
		1	22	-60.00	-24.05	-1010.23	2392.64	-3.924e+05	-8403.53	-2335.09
		1	23	-60.00	22.69	-995.93	-54.42	-3.914e+05	8367.47	2108.63
		1	24	-60.00	-22.95	-996.10	-51.18	-3.914e+05	-8338.01	-2349.71
		1	25	-60.00	191.73	95.66	-3590.31	5.446e+04	7.139e+04	1.502e+04
		1	26	-60.00	206.88	17.86	-3585.07	1.515e+04	7.672e+04	1.086e+04
		1	27	-60.00	-204.83	8.99	-3575.16	-4403.53	-7.659e+04	-1.088e+04
		1	28	-60.00	-189.68	-68.81	-3569.92	-4.371e+04	-7.127e+04	-1.505e+04
		1	29	-60.00	206.94	121.63	-3591.70	6.922e+04	7.673e+04	1.086e+04
		1	30	-60.00	191.67	-8.12	-3583.68	384.57	7.137e+04	1.502e+04
		1	31	-60.00	-189.61	34.96	-3576.55	1.036e+04	-7.125e+04	-1.504e+04
		1	32	-60.00	-204.89	-94.79	-3568.53	-5.847e+04	-7.661e+04	-1.089e+04
		1	33	-60.00	191.73	95.66	-3590.31	5.446e+04	7.139e+04	1.502e+04
		1	34	-60.00	206.88	17.86	-3585.07	1.515e+04	7.672e+04	1.086e+04
		1	35	-60.00	-204.83	8.99	-3575.16	-4403.53	-7.659e+04	-1.088e+04
		1	36	-60.00	-189.68	-68.81	-3569.92	-4.371e+04	-7.127e+04	-1.505e+04
		1	37	-60.00	206.94	121.63	-3591.70	6.922e+04	7.673e+04	1.086e+04
		1	38	-60.00	191.67	-8.12	-3583.68	384.57	7.137e+04	1.502e+04
		1	39	-60.00	-189.61	34.96	-3576.55	1.036e+04	-7.125e+04	-1.504e+04
		1	40	-60.00	-204.89	-94.79	-3568.53	-5.847e+04	-7.661e+04	-1.089e+04
		1	41	-60.00	35.25	156.08	-3591.12	7.972e+04	1.338e+04	1.082e+04
		1	42	-60.00	85.77	-103.24	-3573.65	-5.132e+04	3.113e+04	-3072.61
		1	43	-60.00	-83.71	130.08	-3586.58	6.206e+04	-3.101e+04	3047.43
		1	44	-60.00	-33.20	-129.24	-3569.10	-6.897e+04	-1.326e+04	-1.084e+04
		1	45	-60.00	35.25	156.08	-3591.12	7.972e+04	1.338e+04	1.082e+04
		1	46	-60.00	85.77	-103.24	-3573.65	-5.132e+04	3.113e+04	-3072.61
		1	47	-60.00	-83.71	130.08	-3586.58	6.206e+04	-3.101e+04	3047.43
		1	48	-60.00	-33.20	-129.24	-3569.10	-6.897e+04	-1.326e+04	-1.084e+04
		1	49	-60.00	85.97	242.68	-3595.75	1.289e+05	3.119e+04	-3058.08
		1	50	-60.00	35.05	-189.83	-3569.02	-1.005e+05	1.333e+04	1.080e+04
		1	51	-60.00	-33.00	216.68	-3591.21	1.113e+05	-1.321e+04	-1.083e+04
		1	52	-60.00	-83.92	-215.83	-3564.48	-1.182e+05	-3.107e+04	3032.90
		1	53	-60.00	85.97	242.68	-3595.75	1.289e+05	3.119e+04	-3058.08
		1	54	-60.00	35.05	-189.83	-3569.02	-1.005e+05	1.333e+04	1.080e+04
		1	55	-60.00	-33.00	216.68	-3591.21	1.113e+05	-1.321e+04	-1.083e+04
		1	56	-60.00	-83.92	-215.83	-3564.48	-1.182e+05	-3.107e+04	3032.90
		1	57	-60.00	61.66	40.64	-3583.45	2.072e+04	2.274e+04	4768.39

Nodo	Tipo	Palo	Cmb	Quota	Fx	Fy	Fz	Mx	My	Mz
		1	58	-60.00	66.48	13.76	-3581.59	8738.20	2.443e+04	3443.61
		1	59	-60.00	-64.42	13.09	-3578.63	2004.54	-2.431e+04	-3468.79
		1	60	-60.00	-59.61	-13.80	-3576.78	-9975.76	-2.262e+04	-4793.57
		1	61	-60.00	66.50	48.82	-3583.83	2.543e+04	2.444e+04	3444.99
		1	62	-60.00	61.64	5.58	-3581.21	4031.06	2.273e+04	4767.01
		1	63	-60.00	-59.59	21.26	-3579.02	6711.69	-2.261e+04	-4792.19
		1	64	-60.00	-64.44	-21.97	-3576.39	-1.468e+04	-2.432e+04	-3470.17
		1	65	-60.00	61.66	40.64	-3583.45	2.072e+04	2.274e+04	4768.39
		1	66	-60.00	66.48	13.76	-3581.59	8738.20	2.443e+04	3443.61
		1	67	-60.00	-64.42	13.09	-3578.63	2004.54	-2.431e+04	-3468.79
		1	68	-60.00	-59.61	-13.80	-3576.78	-9975.76	-2.262e+04	-4793.57
		1	69	-60.00	66.50	48.82	-3583.83	2.543e+04	2.444e+04	3444.99
		1	70	-60.00	61.64	5.58	-3581.21	4031.06	2.273e+04	4767.01
		1	71	-60.00	-59.59	21.26	-3579.02	6711.69	-2.261e+04	-4792.19
		1	72	-60.00	-64.44	-21.97	-3576.39	-1.468e+04	-2.432e+04	-3470.17
		1	73	-60.00	11.91	62.36	-3583.93	2.815e+04	4296.50	3430.95
		1	74	-60.00	27.97	-27.25	-3577.74	-1.179e+04	9939.55	-984.98
		1	75	-60.00	-25.91	54.10	-3582.49	2.253e+04	-9818.51	959.80
		1	76	-60.00	-9.86	-35.52	-3576.30	-1.740e+04	-4175.46	-3456.13
		1	77	-60.00	11.91	62.36	-3583.93	2.815e+04	4296.50	3430.95
		1	78	-60.00	27.97	-27.25	-3577.74	-1.179e+04	9939.55	-984.98
		1	79	-60.00	-25.91	54.10	-3582.49	2.253e+04	-9818.51	959.80
		1	80	-60.00	-9.86	-35.52	-3576.30	-1.740e+04	-4175.46	-3456.13
		1	81	-60.00	28.03	89.61	-3585.21	4.384e+04	9956.98	-980.37
		1	82	-60.00	11.85	-54.50	-3576.46	-2.748e+04	4279.08	3426.35
		1	83	-60.00	-9.79	81.34	-3583.76	3.822e+04	-4158.03	-3451.53
		1	84	-60.00	-25.98	-62.77	-3575.02	-3.309e+04	-9835.93	955.19
		1	85	-60.00	28.03	89.61	-3585.21	4.384e+04	9956.98	-980.37
		1	86	-60.00	11.85	-54.50	-3576.46	-2.748e+04	4279.08	3426.35
		1	87	-60.00	-9.79	81.34	-3583.76	3.822e+04	-4158.03	-3451.53
		1	88	-60.00	-25.98	-62.77	-3575.02	-3.309e+04	-9835.93	955.19
		1	89	-60.00	1.03	13.42	-3580.11	5371.37	60.52	-12.59
		1	90	-60.00	15.34	-395.94	-1192.74	-1.537e+05	5584.49	1436.19
		1	91	-60.00	-15.09	-396.06	-1190.58	-1.537e+05	-5552.50	-1536.04
		1	92	-60.00	16.81	-377.11	-4451.17	-1.525e+05	5671.85	1416.70
		1	93	-60.00	-13.62	-377.23	-4449.01	-1.525e+05	-5465.14	-1555.53
		1	94	-60.00	25.48	-395.90	-1193.46	-1.537e+05	9296.82	2426.93
		1	95	-60.00	-25.23	-396.10	-1189.86	-1.537e+05	-9264.82	-2526.78
		1	96	-60.00	26.21	-386.49	-2822.67	-1.531e+05	9340.50	2417.19
		1	97	-60.00	-24.50	-386.69	-2819.07	-1.531e+05	-9221.15	-2536.53
		1	98	-60.00	14.73	-668.89	399.56	-2.598e+05	5554.81	1411.30
		1	99	-60.00	-15.69	-669.01	401.72	-2.598e+05	-5582.18	-1560.92
		1	100	-60.00	15.47	-659.48	-1229.65	-2.591e+05	5598.49	1401.56
		1	101	-60.00	-14.96	-659.60	-1227.49	-2.591e+05	-5538.50	-1570.67
		1	102	-60.00	1.03	13.42	-3580.11	5371.37	60.52	-12.59
		1	103	-60.00	1.32	17.19	-4231.80	5624.65	77.99	-16.49
		1	104	-60.00	13.70	13.47	-3581.01	5371.40	4700.93	1225.84
		1	105	-60.00	-11.65	13.37	-3579.21	5371.35	-4579.89	-1251.02
		1	106	-60.00	0.73	-123.05	-2783.96	-4.766e+04	45.68	-25.03
		1	107	-60.00	1.03	13.42	-3580.11	5371.37	60.52	-12.59
3	PL.1P D 50.00	1	1	-60.00	11.60	-619.76	-1161.27	-2.497e+05	4188.54	1102.17
		1	2	-60.00	-11.21	-619.83	-1160.91	-2.498e+05	-4162.47	-1126.28
		1	3	-60.00	11.13	-625.39	-5408.78	-2.459e+05	4158.57	1124.84
		1	4	-60.00	-11.68	-625.45	-5408.42	-2.460e+05	-4192.44	-1103.61
		1	5	-60.00	11.66	-618.99	-178.16	-2.516e+05	4192.81	1098.82
		1	6	-60.00	-11.15	-619.05	-177.80	-2.516e+05	-4158.21	-1129.63
		1	7	-60.00	11.19	-624.62	-4425.68	-2.478e+05	4162.84	1121.49
		1	8	-60.00	-11.61	-624.68	-4425.32	-2.479e+05	-4188.18	-1106.97
		1	9	-60.00	19.20	-619.74	-1161.38	-2.497e+05	6972.22	1844.99
		1	10	-60.00	-18.81	-619.85	-1160.79	-2.498e+05	-6946.14	-1869.10
		1	11	-60.00	18.96	-622.56	-3285.14	-2.478e+05	6957.23	1856.32
		1	12	-60.00	-19.05	-622.66	-3284.54	-2.479e+05	-6961.12	-1857.76
		1	13	-60.00	19.26	-618.97	-178.28	-2.516e+05	6976.48	1841.64
		1	14	-60.00	-18.75	-619.07	-177.68	-2.517e+05	-6941.88	-1872.45
		1	15	-60.00	19.03	-621.78	-2302.04	-2.497e+05	6961.49	1852.97
		1	16	-60.00	-18.98	-621.89	-2301.44	-2.498e+05	-6956.86	-1861.12
		1	17	-60.00	11.91	-1030.73	904.75	-4.217e+05	4209.55	1084.45
		1	18	-60.00	-10.89	-1030.79	905.11	-4.217e+05	-4141.46	-1144.00

Nodo	Tipo	Palo	Cmb	Quota	Fx	Fy	Fz	Mx	My	Mz
		1	19	-60.00	11.68	-1033.54	-1219.00	-4.198e+05	4194.56	1095.79
		1	20	-60.00	-11.13	-1033.60	-1218.65	-4.198e+05	-4156.45	-1132.67
		1	21	-60.00	11.98	-1029.95	1887.85	-4.235e+05	4213.81	1081.10
		1	22	-60.00	-10.83	-1030.02	1888.21	-4.236e+05	-4137.20	-1147.35
		1	23	-60.00	11.74	-1032.77	-235.90	-4.216e+05	4198.83	1092.43
		1	24	-60.00	-11.06	-1032.83	-235.54	-4.217e+05	-4152.19	-1136.02
		1	25	-60.00	190.44	68.34	-3274.87	4.528e+04	7.131e+04	1.506e+04
		1	26	-60.00	205.59	-30.06	-3270.92	-1094.79	7.664e+04	1.089e+04
		1	27	-60.00	-206.02	24.91	-3283.10	1.365e+04	-7.667e+04	-1.087e+04
		1	28	-60.00	-190.88	-73.50	-3279.15	-3.273e+04	-7.134e+04	-1.504e+04
		1	29	-60.00	205.64	81.57	-3276.14	5.378e+04	7.666e+04	1.088e+04
		1	30	-60.00	190.40	-43.28	-3269.66	-9590.98	7.130e+04	1.507e+04
		1	31	-60.00	-190.83	38.13	-3284.36	2.214e+04	-7.133e+04	-1.505e+04
		1	32	-60.00	-206.07	-86.72	-3277.88	-4.123e+04	-7.668e+04	-1.086e+04
		1	33	-60.00	190.44	68.34	-3274.87	4.528e+04	7.131e+04	1.506e+04
		1	34	-60.00	205.59	-30.06	-3270.92	-1094.79	7.664e+04	1.089e+04
		1	35	-60.00	-206.02	24.91	-3283.10	1.365e+04	-7.667e+04	-1.087e+04
		1	36	-60.00	-190.88	-73.50	-3279.15	-3.273e+04	-7.134e+04	-1.504e+04
		1	37	-60.00	205.64	81.57	-3276.14	5.378e+04	7.666e+04	1.088e+04
		1	38	-60.00	190.40	-43.28	-3269.66	-9590.98	7.130e+04	1.507e+04
		1	39	-60.00	-190.83	38.13	-3284.36	2.214e+04	-7.133e+04	-1.505e+04
		1	40	-60.00	-206.07	-86.72	-3277.88	-4.123e+04	-7.668e+04	-1.086e+04
		1	41	-60.00	34.01	167.95	-3282.36	8.832e+04	1.331e+04	1.086e+04
		1	42	-60.00	84.49	-160.07	-3269.19	-6.628e+04	3.106e+04	-3058.47
		1	43	-60.00	-84.93	154.92	-3284.83	7.883e+04	-3.109e+04	3080.82
		1	44	-60.00	-34.45	-173.10	-3271.66	-7.577e+04	-1.334e+04	-1.084e+04
		1	45	-60.00	34.01	167.95	-3282.36	8.832e+04	1.331e+04	1.086e+04
		1	46	-60.00	84.49	-160.07	-3269.19	-6.628e+04	3.106e+04	-3058.47
		1	47	-60.00	-84.93	154.92	-3284.83	7.883e+04	-3.109e+04	3080.82
		1	48	-60.00	-34.45	-173.10	-3271.66	-7.577e+04	-1.334e+04	-1.084e+04
		1	49	-60.00	84.65	212.02	-3286.57	1.166e+05	3.111e+04	-3073.93
		1	50	-60.00	33.85	-204.15	-3264.98	-9.460e+04	1.326e+04	1.087e+04
		1	51	-60.00	-34.29	198.99	-3289.04	1.071e+05	-1.329e+04	-1.085e+04
		1	52	-60.00	-85.09	-217.18	-3267.45	-1.041e+05	-3.114e+04	3096.28
		1	53	-60.00	84.65	212.02	-3286.57	1.166e+05	3.111e+04	-3073.93
		1	54	-60.00	33.85	-204.15	-3264.98	-9.460e+04	1.326e+04	1.087e+04
		1	55	-60.00	-34.29	198.99	-3289.04	1.071e+05	-1.329e+04	-1.085e+04
		1	56	-60.00	-85.09	-217.18	-3267.45	-1.041e+05	-3.114e+04	3096.28
		1	57	-60.00	60.40	21.38	-3276.40	1.835e+04	2.266e+04	4796.98
		1	58	-60.00	65.22	-12.73	-3275.00	4261.94	2.436e+04	3469.73
		1	59	-60.00	-65.65	7.57	-3279.01	8288.50	-2.439e+04	-3447.38
		1	60	-60.00	-60.84	-26.54	-3277.62	-5798.22	-2.269e+04	-4774.63
		1	61	-60.00	65.23	25.48	-3276.82	2.106e+04	2.436e+04	3468.24
		1	62	-60.00	60.39	-16.83	-3274.58	1550.17	2.266e+04	4798.47
		1	63	-60.00	-60.82	11.67	-3279.44	1.100e+04	-2.269e+04	-4776.12
		1	64	-60.00	-65.67	-30.64	-3277.20	-8509.99	-2.439e+04	-3445.89
		1	65	-60.00	60.40	21.38	-3276.40	1.835e+04	2.266e+04	4796.98
		1	66	-60.00	65.22	-12.73	-3275.00	4261.94	2.436e+04	3469.73
		1	67	-60.00	-65.65	7.57	-3279.01	8288.50	-2.439e+04	-3447.38
		1	68	-60.00	-60.84	-26.54	-3277.62	-5798.22	-2.269e+04	-4774.63
		1	69	-60.00	65.23	25.48	-3276.82	2.106e+04	2.436e+04	3468.24
		1	70	-60.00	60.39	-16.83	-3274.58	1550.17	2.266e+04	4798.47
		1	71	-60.00	-60.82	11.67	-3279.44	1.100e+04	-2.269e+04	-4776.12
		1	72	-60.00	-65.67	-30.64	-3277.20	-8509.99	-2.439e+04	-3445.89
		1	73	-60.00	10.67	56.35	-3278.94	3.126e+04	4221.97	3459.91
		1	74	-60.00	26.71	-57.36	-3274.29	-1.569e+04	9864.55	-964.25
		1	75	-60.00	-27.15	52.21	-3279.72	2.824e+04	-9892.96	986.60
		1	76	-60.00	-11.10	-61.50	-3275.08	-1.871e+04	-4250.39	-3437.56
		1	77	-60.00	10.67	56.35	-3278.94	3.126e+04	4221.97	3459.91
		1	78	-60.00	26.71	-57.36	-3274.29	-1.569e+04	9864.55	-964.25
		1	79	-60.00	-27.15	52.21	-3279.72	2.824e+04	-9892.96	986.60
		1	80	-60.00	-11.10	-61.50	-3275.08	-1.871e+04	-4250.39	-3437.56
		1	81	-60.00	26.76	70.01	-3280.35	4.030e+04	9880.32	-969.22
		1	82	-60.00	10.62	-71.02	-3272.88	-2.473e+04	4206.20	3464.88
		1	83	-60.00	-11.05	65.86	-3281.14	3.728e+04	-4234.61	-3442.53
		1	84	-60.00	-27.20	-75.16	-3273.67	-2.775e+04	-9908.73	991.57
		1	85	-60.00	26.76	70.01	-3280.35	4.030e+04	9880.32	-969.22
		1	86	-60.00	10.62	-71.02	-3272.88	-2.473e+04	4206.20	3464.88

Nodo	Tipo	Palo	Cmb	Quota	Fx	Fy	Fz	Mx	My	Mz
		1	87	-60.00	-11.05	65.86	-3281.14	3.728e+04	-4234.61	-3442.53
		1	88	-60.00	-27.20	-75.16	-3273.67	-2.775e+04	-9908.73	991.57
		1	89	-60.00	-0.22	-2.58	-3277.01	6275.22	-14.21	11.18
		1	90	-60.00	7.70	-413.52	-1211.11	-1.656e+05	2790.47	736.27
		1	91	-60.00	-7.50	-413.56	-1210.87	-1.657e+05	-2776.87	-749.36
		1	92	-60.00	7.39	-417.27	-4042.79	-1.631e+05	2770.49	751.38
		1	93	-60.00	-7.81	-417.31	-4042.55	-1.632e+05	-2796.85	-734.25
		1	94	-60.00	12.77	-413.51	-1211.19	-1.656e+05	4646.25	1231.48
		1	95	-60.00	-12.57	-413.58	-1210.79	-1.657e+05	-4632.65	-1244.57
		1	96	-60.00	12.61	-415.38	-2627.03	-1.644e+05	4636.26	1239.04
		1	97	-60.00	-12.73	-415.45	-2626.63	-1.644e+05	-4642.64	-1237.02
		1	98	-60.00	7.91	-687.49	166.23	-2.803e+05	2804.47	724.46
		1	99	-60.00	-7.29	-687.54	166.47	-2.803e+05	-2762.87	-761.18
		1	100	-60.00	7.76	-689.37	-1249.60	-2.790e+05	2794.48	732.01
		1	101	-60.00	-7.45	-689.41	-1249.37	-2.790e+05	-2772.86	-753.62
		1	102	-60.00	-0.22	-2.58	-3277.01	6275.22	-14.21	11.18
		1	103	-60.00	-0.28	-3.33	-3843.34	6779.65	-18.20	14.20
		1	104	-60.00	6.12	-2.56	-3277.11	6288.27	2305.52	630.19
		1	105	-60.00	-6.55	-2.59	-3276.91	6262.17	-2333.93	-607.84
		1	106	-60.00	-0.11	-139.57	-2588.34	-5.104e+04	-7.20	5.27
		1	107	-60.00	-0.22	-2.58	-3277.01	6275.22	-14.21	11.18
4	PL.1P D 50.00	1	1	-60.00	3.57e-04	-631.37	-1139.88	-2.542e+05	-6.09	30.48
		1	2	-60.00	3.99e-04	-631.52	-1138.72	-2.543e+05	-6.07	30.48
		1	3	-60.00	2.80e-04	-623.88	-5550.52	-2.528e+05	-9.52	49.57
		1	4	-60.00	3.22e-04	-624.02	-5549.36	-2.528e+05	-9.50	49.56
		1	5	-60.00	3.64e-04	-632.44	-134.13	-2.558e+05	-5.54	27.59
		1	6	-60.00	4.06e-04	-632.58	-132.97	-2.558e+05	-5.53	27.59
		1	7	-60.00	2.87e-04	-624.94	-4544.77	-2.543e+05	-8.97	46.68
		1	8	-60.00	3.30e-04	-625.08	-4543.61	-2.544e+05	-8.96	46.67
		1	9	-60.00	3.43e-04	-631.33	-1140.27	-2.542e+05	-6.09	30.49
		1	10	-60.00	4.13e-04	-631.57	-1138.34	-2.543e+05	-6.06	30.48
		1	11	-60.00	3.04e-04	-627.58	-3345.59	-2.535e+05	-7.81	40.03
		1	12	-60.00	3.75e-04	-627.82	-3343.66	-2.536e+05	-7.78	40.02
		1	13	-60.00	3.50e-04	-632.39	-134.52	-2.558e+05	-5.55	27.60
		1	14	-60.00	4.21e-04	-632.63	-132.58	-2.558e+05	-5.52	27.59
		1	15	-60.00	3.12e-04	-628.64	-2339.84	-2.550e+05	-7.26	37.14
		1	16	-60.00	3.82e-04	-628.88	-2337.90	-2.551e+05	-7.24	37.13
		1	17	-60.00	6.30e-04	-1055.41	1006.09	-4.282e+05	-8.57	42.46
		1	18	-60.00	6.72e-04	-1055.55	1007.25	-4.282e+05	-8.56	42.45
		1	19	-60.00	5.91e-04	-1051.66	-1199.23	-4.275e+05	-10.29	52.00
		1	20	-60.00	6.34e-04	-1051.80	-1198.07	-4.275e+05	-10.27	51.99
		1	21	-60.00	6.37e-04	-1056.47	2011.84	-4.297e+05	-8.03	39.56
		1	22	-60.00	6.80e-04	-1056.61	2013.00	-4.298e+05	-8.01	39.56
		1	23	-60.00	5.99e-04	-1052.72	-193.48	-4.290e+05	-9.74	49.11
		1	24	-60.00	6.41e-04	-1052.87	-192.32	-4.291e+05	-9.73	49.10
		1	25	-60.00	190.67	57.04	-3355.46	3.340e+04	7.133e+04	1.507e+04
		1	26	-60.00	205.82	-50.14	-3349.55	-2.319e+04	7.665e+04	1.089e+04
		1	27	-60.00	-205.82	57.22	-3355.48	3.352e+04	-7.666e+04	-1.087e+04
		1	28	-60.00	-190.67	-49.96	-3349.56	-2.307e+04	-7.133e+04	-1.505e+04
		1	29	-60.00	205.86	57.01	-3355.41	3.338e+04	7.667e+04	1.088e+04
		1	30	-60.00	190.63	-50.11	-3349.60	-2.317e+04	7.131e+04	1.507e+04
		1	31	-60.00	-190.63	57.19	-3355.42	3.350e+04	-7.132e+04	-1.505e+04
		1	32	-60.00	-205.86	-49.93	-3349.61	-2.305e+04	-7.667e+04	-1.086e+04
		1	33	-60.00	190.67	57.04	-3355.46	3.340e+04	7.133e+04	1.507e+04
		1	34	-60.00	205.82	-50.14	-3349.55	-2.319e+04	7.665e+04	1.089e+04
		1	35	-60.00	-205.82	57.22	-3355.48	3.352e+04	-7.666e+04	-1.087e+04
		1	36	-60.00	-190.67	-49.96	-3349.56	-2.307e+04	-7.133e+04	-1.505e+04
		1	37	-60.00	205.86	57.01	-3355.41	3.338e+04	7.667e+04	1.088e+04
		1	38	-60.00	190.63	-50.11	-3349.60	-2.317e+04	7.131e+04	1.507e+04
		1	39	-60.00	-190.63	57.19	-3355.42	3.350e+04	-7.132e+04	-1.505e+04
		1	40	-60.00	-205.86	-49.93	-3349.61	-2.305e+04	-7.667e+04	-1.086e+04
		1	41	-60.00	34.23	182.13	-3362.37	9.947e+04	1.332e+04	1.086e+04
		1	42	-60.00	84.72	-175.11	-3342.65	-8.918e+04	3.107e+04	-3062.86
		1	43	-60.00	-84.72	182.19	-3362.38	9.951e+04	-3.108e+04	3082.12
		1	44	-60.00	-34.23	-175.05	-3342.65	-8.914e+04	-1.332e+04	-1.084e+04
		1	45	-60.00	34.23	182.13	-3362.37	9.947e+04	1.332e+04	1.086e+04
		1	46	-60.00	84.72	-175.11	-3342.65	-8.918e+04	3.107e+04	-3062.86
		1	47	-60.00	-84.72	182.19	-3362.38	9.951e+04	-3.108e+04	3082.12

Nodo	Tipo	Palo	Cmb	Quota	Fx	Fy	Fz	Mx	My	Mz
		1	48	-60.00	-34.23	-175.05	-3342.65	-8.914e+04	-1.332e+04	-1.084e+04
		1	49	-60.00	84.85	182.04	-3362.19	9.939e+04	3.112e+04	-3090.37
		1	50	-60.00	34.10	-175.02	-3342.82	-8.910e+04	1.327e+04	1.089e+04
		1	51	-60.00	-34.10	182.10	-3362.20	9.943e+04	-1.328e+04	-1.087e+04
		1	52	-60.00	-84.85	-174.96	-3342.83	-8.906e+04	-3.112e+04	3109.64
		1	53	-60.00	84.85	182.04	-3362.19	9.939e+04	3.112e+04	-3090.37
		1	54	-60.00	34.10	-175.02	-3342.82	-8.910e+04	1.327e+04	1.089e+04
		1	55	-60.00	-34.10	182.10	-3362.20	9.943e+04	-1.328e+04	-1.087e+04
		1	56	-60.00	-84.85	-174.96	-3342.83	-8.906e+04	-3.112e+04	3109.64
		1	57	-60.00	60.62	21.56	-3353.52	1.389e+04	2.268e+04	4796.90
		1	58	-60.00	65.44	-14.53	-3351.49	-3599.68	2.437e+04	3468.91
		1	59	-60.00	-65.44	21.61	-3353.53	1.393e+04	-2.437e+04	-3449.64
		1	60	-60.00	-60.62	-14.48	-3351.50	-3561.67	-2.268e+04	-4777.63
		1	61	-60.00	65.45	21.55	-3353.50	1.388e+04	2.437e+04	3466.29
		1	62	-60.00	60.61	-14.53	-3351.52	-3591.98	2.267e+04	4799.52
		1	63	-60.00	-60.61	21.61	-3353.51	1.392e+04	-2.268e+04	-4780.25
		1	64	-60.00	-65.45	-14.47	-3351.52	-3553.96	-2.438e+04	-3447.02
		1	65	-60.00	60.62	21.56	-3353.52	1.389e+04	2.268e+04	4796.90
		1	66	-60.00	65.44	-14.53	-3351.49	-3599.68	2.437e+04	3468.91
		1	67	-60.00	-65.44	21.61	-3353.53	1.393e+04	-2.437e+04	-3449.64
		1	68	-60.00	-60.62	-14.48	-3351.50	-3561.67	-2.268e+04	-4777.63
		1	69	-60.00	65.45	21.55	-3353.50	1.388e+04	2.437e+04	3466.29
		1	70	-60.00	60.61	-14.53	-3351.52	-3591.98	2.267e+04	4799.52
		1	71	-60.00	-60.61	21.61	-3353.51	1.392e+04	-2.268e+04	-4780.25
		1	72	-60.00	-65.45	-14.47	-3351.52	-3553.96	-2.438e+04	-3447.02
		1	73	-60.00	10.88	63.68	-3355.89	3.431e+04	4234.21	3459.92
		1	74	-60.00	26.93	-56.62	-3349.13	-2.399e+04	9877.40	-966.69
		1	75	-60.00	-26.93	63.70	-3355.89	3.432e+04	-9881.01	985.96
		1	76	-60.00	-10.88	-56.60	-3349.13	-2.398e+04	-4237.83	-3440.65
		1	77	-60.00	10.88	63.68	-3355.89	3.431e+04	4234.21	3459.92
		1	78	-60.00	26.93	-56.62	-3349.13	-2.399e+04	9877.40	-966.69
		1	79	-60.00	-26.93	63.70	-3355.89	3.432e+04	-9881.01	985.96
		1	80	-60.00	-10.88	-56.60	-3349.13	-2.398e+04	-4237.83	-3440.65
		1	81	-60.00	26.97	63.66	-3355.82	3.428e+04	9891.87	-975.44
		1	82	-60.00	10.84	-56.59	-3349.20	-2.397e+04	4219.74	3468.67
		1	83	-60.00	-10.84	63.67	-3355.82	3.430e+04	-4223.35	-3449.40
		1	84	-60.00	-26.97	-56.58	-3349.20	-2.395e+04	-9895.49	994.71
		1	85	-60.00	26.97	63.66	-3355.82	3.428e+04	9891.87	-975.44
		1	86	-60.00	10.84	-56.59	-3349.20	-2.397e+04	4219.74	3468.67
		1	87	-60.00	-10.84	63.67	-3355.82	3.430e+04	-4223.35	-3449.40
		1	88	-60.00	-26.97	-56.58	-3349.20	-2.395e+04	-9895.49	994.71
		1	89	-60.00	-2.43e-05	3.54	-3352.51	5164.62	-1.81	9.63
		1	90	-60.00	2.35e-04	-420.44	-1206.92	-1.688e+05	-4.30	21.61
		1	91	-60.00	2.63e-04	-420.54	-1206.15	-1.688e+05	-4.29	21.60
		1	92	-60.00	1.83e-04	-415.45	-4147.35	-1.678e+05	-6.59	34.33
		1	93	-60.00	2.12e-04	-415.54	-4146.58	-1.679e+05	-6.58	34.33
		1	94	-60.00	2.25e-04	-420.41	-1207.18	-1.688e+05	-4.30	21.61
		1	95	-60.00	2.72e-04	-420.57	-1205.89	-1.688e+05	-4.28	21.60
		1	96	-60.00	2.00e-04	-417.91	-2677.40	-1.683e+05	-5.45	27.97
		1	97	-60.00	2.47e-04	-418.07	-2676.11	-1.684e+05	-5.43	27.96
		1	98	-60.00	4.17e-04	-703.13	223.72	-2.848e+05	-5.96	29.59
		1	99	-60.00	4.45e-04	-703.23	224.50	-2.848e+05	-5.94	29.58
		1	100	-60.00	3.91e-04	-700.63	-1246.49	-2.843e+05	-7.10	35.95
		1	101	-60.00	4.19e-04	-700.73	-1245.71	-2.843e+05	-7.09	35.95
		1	102	-60.00	-2.43e-05	3.54	-3352.51	5164.62	-1.81	9.63
		1	103	-60.00	-3.46e-05	4.54	-3940.60	5355.90	-2.27	12.18
		1	104	-60.00	-3.61e-05	3.58	-3352.83	5177.37	-1.81	9.64
		1	105	-60.00	-1.25e-05	3.50	-3352.19	5151.87	-1.80	9.63
		1	106	-60.00	6.67e-05	-137.80	-2637.19	-5.283e+04	-2.64	13.62
		1	107	-60.00	-2.43e-05	3.54	-3352.51	5164.62	-1.81	9.63
5	PL.1P D 50.00	1	1	-60.00	-11.60	-619.61	-1161.21	-2.497e+05	-4200.74	-1041.13
		1	2	-60.00	11.21	-619.67	-1160.86	-2.497e+05	4150.31	1187.31
		1	3	-60.00	-11.13	-625.25	-5408.78	-2.459e+05	-4177.64	-1025.63
		1	4	-60.00	11.68	-625.31	-5408.42	-2.459e+05	4173.41	1202.81
		1	5	-60.00	-11.66	-618.84	-178.11	-2.515e+05	-4203.91	-1043.56
		1	6	-60.00	11.15	-618.90	-177.75	-2.516e+05	4147.13	1184.89
		1	7	-60.00	-11.19	-624.47	-4425.67	-2.478e+05	-4180.81	-1028.06
		1	8	-60.00	11.61	-624.54	-4425.31	-2.478e+05	4170.23	1200.38

Nodo	Tipo	Palo	Cmb	Quota	Fx	Fy	Fz	Mx	My	Mz
		1	9	-60.00	-19.20	-619.59	-1161.33	-2.496e+05	-6984.42	-1783.94
		1	10	-60.00	18.81	-619.70	-1160.74	-2.497e+05	6933.99	1930.13
		1	11	-60.00	-18.96	-622.41	-3285.11	-2.478e+05	-6972.87	-1776.19
		1	12	-60.00	19.05	-622.51	-3284.52	-2.478e+05	6945.54	1937.88
		1	13	-60.00	-19.26	-618.82	-178.23	-2.515e+05	-6987.59	-1786.37
		1	14	-60.00	18.75	-618.92	-177.63	-2.516e+05	6930.81	1927.70
		1	15	-60.00	-19.03	-621.63	-2302.01	-2.496e+05	-6976.04	-1778.62
		1	16	-60.00	18.98	-621.74	-2301.41	-2.497e+05	6942.36	1935.45
		1	17	-60.00	-11.91	-1030.47	904.85	-4.215e+05	-4226.72	-999.41
		1	18	-60.00	10.90	-1030.53	905.21	-4.216e+05	4124.32	1229.03
		1	19	-60.00	-11.68	-1033.29	-1218.93	-4.197e+05	-4215.17	-991.67
		1	20	-60.00	11.13	-1033.35	-1218.57	-4.197e+05	4135.87	1236.78
		1	21	-60.00	-11.98	-1029.70	1887.96	-4.234e+05	-4229.90	-1001.84
		1	22	-60.00	10.83	-1029.76	1888.32	-4.235e+05	4121.15	1226.60
		1	23	-60.00	-11.74	-1032.51	-235.82	-4.215e+05	-4218.35	-994.09
		1	24	-60.00	11.06	-1032.58	-235.46	-4.216e+05	4132.70	1234.35
		1	25	-60.00	190.87	38.16	-3284.34	2.215e+04	7.134e+04	1.506e+04
		1	26	-60.00	206.03	-86.74	-3277.95	-4.125e+04	7.667e+04	1.089e+04
		1	27	-60.00	-205.60	81.57	-3276.11	5.379e+04	-7.665e+04	-1.087e+04
		1	28	-60.00	-190.43	-43.32	-3269.72	-9601.65	-7.132e+04	-1.504e+04
		1	29	-60.00	206.06	24.89	-3283.18	1.361e+04	7.668e+04	1.088e+04
		1	30	-60.00	190.84	-73.47	-3279.10	-3.271e+04	7.133e+04	1.507e+04
		1	31	-60.00	-190.41	68.30	-3274.95	4.526e+04	-7.130e+04	-1.505e+04
		1	32	-60.00	-205.63	-30.05	-3270.87	-1067.80	-7.666e+04	-1.086e+04
		1	33	-60.00	190.87	38.16	-3284.34	2.215e+04	7.134e+04	1.506e+04
		1	34	-60.00	206.03	-86.74	-3277.95	-4.125e+04	7.667e+04	1.089e+04
		1	35	-60.00	-205.60	81.57	-3276.11	5.379e+04	-7.665e+04	-1.087e+04
		1	36	-60.00	-190.43	-43.32	-3269.72	-9601.65	-7.132e+04	-1.504e+04
		1	37	-60.00	206.06	24.89	-3283.18	1.361e+04	7.668e+04	1.088e+04
		1	38	-60.00	190.84	-73.47	-3279.10	-3.271e+04	7.133e+04	1.507e+04
		1	39	-60.00	-190.41	68.30	-3274.95	4.526e+04	-7.130e+04	-1.505e+04
		1	40	-60.00	-205.63	-30.05	-3270.87	-1067.80	-7.666e+04	-1.086e+04
		1	41	-60.00	34.41	199.07	-3288.91	1.072e+05	1.333e+04	1.084e+04
		1	42	-60.00	84.96	-217.26	-3267.61	-1.041e+05	3.109e+04	-3049.45
		1	43	-60.00	-84.53	212.09	-3286.44	1.167e+05	-3.107e+04	3065.63
		1	44	-60.00	-33.98	-204.23	-3265.14	-9.464e+04	-1.331e+04	-1.083e+04
		1	45	-60.00	34.41	199.07	-3288.91	1.072e+05	1.333e+04	1.084e+04
		1	46	-60.00	84.96	-217.26	-3267.61	-1.041e+05	3.109e+04	-3049.45
		1	47	-60.00	-84.53	212.09	-3286.44	1.167e+05	-3.107e+04	3065.63
		1	48	-60.00	-33.98	-204.23	-3265.14	-9.464e+04	-1.331e+04	-1.083e+04
		1	49	-60.00	85.05	154.84	-3285.06	7.874e+04	3.113e+04	-3089.01
		1	50	-60.00	34.32	-173.02	-3271.46	-7.568e+04	1.329e+04	1.088e+04
		1	51	-60.00	-33.89	167.86	-3282.59	8.823e+04	-1.327e+04	-1.087e+04
		1	52	-60.00	-84.62	-160.00	-3268.99	-6.619e+04	-3.111e+04	3105.20
		1	53	-60.00	85.05	154.84	-3285.06	7.874e+04	3.113e+04	-3089.01
		1	54	-60.00	34.32	-173.02	-3271.46	-7.568e+04	1.329e+04	1.088e+04
		1	55	-60.00	-33.89	167.86	-3282.59	8.823e+04	-1.327e+04	-1.087e+04
		1	56	-60.00	-84.62	-160.00	-3268.99	-6.619e+04	-3.111e+04	3105.20
		1	57	-60.00	60.83	11.68	-3279.44	1.100e+04	2.269e+04	4792.74
		1	58	-60.00	65.65	-30.65	-3277.24	-8516.68	2.438e+04	3467.77
		1	59	-60.00	-65.22	25.48	-3276.82	2.106e+04	-2.436e+04	-3451.59
		1	60	-60.00	-60.40	-16.84	-3274.62	1545.54	-2.267e+04	-4776.56
		1	61	-60.00	65.66	7.57	-3279.06	8276.51	2.439e+04	3464.02
		1	62	-60.00	60.82	-26.53	-3277.61	-5792.91	2.268e+04	4796.50
		1	63	-60.00	-60.39	21.37	-3276.44	1.834e+04	-2.266e+04	-4780.32
		1	64	-60.00	-65.23	-12.73	-3275.00	4269.31	-2.437e+04	-3447.83
		1	65	-60.00	60.83	11.68	-3279.44	1.100e+04	2.269e+04	4792.74
		1	66	-60.00	65.65	-30.65	-3277.24	-8516.68	2.438e+04	3467.77
		1	67	-60.00	-65.22	25.48	-3276.82	2.106e+04	-2.436e+04	-3451.59
		1	68	-60.00	-60.40	-16.84	-3274.62	1545.54	-2.267e+04	-4776.56
		1	69	-60.00	65.66	7.57	-3279.06	8276.51	2.439e+04	3464.02
		1	70	-60.00	60.82	-26.53	-3277.61	-5792.91	2.268e+04	4796.50
		1	71	-60.00	-60.39	21.37	-3276.44	1.834e+04	-2.266e+04	-4780.32
		1	72	-60.00	-65.23	-12.73	-3275.00	4269.31	-2.437e+04	-3447.83
		1	73	-60.00	11.09	65.89	-3281.09	3.729e+04	4245.46	3453.03
		1	74	-60.00	27.16	-75.20	-3273.75	-2.776e+04	9890.63	-963.54
		1	75	-60.00	-26.73	70.03	-3280.31	4.031e+04	-9869.46	979.73
		1	76	-60.00	-10.66	-71.05	-3272.96	-2.475e+04	-4224.29	-3436.84

Nodo	Tipo	Palo	Cmb	Quota	Fx	Fy	Fz	Mx	My	Mz
		1	77	-60.00	11.09	65.89	-3281.09	3.729e+04	4245.46	3453.03
		1	78	-60.00	27.16	-75.20	-3273.75	-2.776e+04	9890.63	-963.54
		1	79	-60.00	-26.73	70.03	-3280.31	4.031e+04	-9869.46	979.73
		1	80	-60.00	-10.66	-71.05	-3272.96	-2.475e+04	-4224.29	-3436.84
		1	81	-60.00	27.19	52.18	-3279.83	2.821e+04	9903.81	-976.07
		1	82	-60.00	11.06	-61.49	-3275.01	-1.869e+04	4232.28	3465.55
		1	83	-60.00	-10.63	56.33	-3279.04	3.123e+04	-4211.11	-3449.37
		1	84	-60.00	-26.75	-57.35	-3274.23	-1.567e+04	-9882.64	992.25
		1	85	-60.00	27.19	52.18	-3279.83	2.821e+04	9903.81	-976.07
		1	86	-60.00	11.06	-61.49	-3275.01	-1.869e+04	4232.28	3465.55
		1	87	-60.00	-10.63	56.33	-3279.04	3.123e+04	-4211.11	-3449.37
		1	88	-60.00	-26.75	-57.35	-3274.23	-1.567e+04	-9882.64	992.25
		1	89	-60.00	0.22	-2.58	-3277.03	6272.91	10.59	8.09
		1	90	-60.00	-7.70	-413.42	-1211.08	-1.656e+05	-2799.08	-693.01
		1	91	-60.00	7.50	-413.46	-1210.84	-1.656e+05	2768.28	792.62
		1	92	-60.00	-7.39	-417.18	-4042.79	-1.631e+05	-2783.68	-682.68
		1	93	-60.00	7.81	-417.22	-4042.55	-1.631e+05	2783.68	802.95
		1	94	-60.00	-12.77	-413.41	-1211.16	-1.656e+05	-4654.87	-1188.22
		1	95	-60.00	12.57	-413.47	-1210.76	-1.656e+05	4624.07	1287.83
		1	96	-60.00	-12.61	-415.28	-2627.01	-1.643e+05	-4647.17	-1183.05
		1	97	-60.00	12.73	-415.35	-2626.62	-1.644e+05	4631.77	1293.00
		1	98	-60.00	-7.91	-687.32	166.30	-2.802e+05	-2816.40	-665.20
		1	99	-60.00	7.29	-687.37	166.54	-2.802e+05	2750.96	820.43
		1	100	-60.00	-7.76	-689.20	-1249.56	-2.789e+05	-2808.70	-660.03
		1	101	-60.00	7.45	-689.25	-1249.32	-2.790e+05	2758.66	825.60
		1	102	-60.00	0.22	-2.58	-3277.03	6272.91	10.59	8.09
		1	103	-60.00	0.28	-3.33	-3843.37	6776.73	13.67	10.16
		1	104	-60.00	-6.12	-2.56	-3277.13	6285.96	-2309.15	-610.92
		1	105	-60.00	6.55	-2.60	-3276.93	6259.86	2330.32	627.10
		1	106	-60.00	0.11	-139.53	-2588.34	-5.102e+04	1.92	22.00
		1	107	-60.00	0.22	-2.58	-3277.03	6272.91	10.59	8.09
6	PL.1P D 50.00	1	1	-60.00	-22.80	-596.26	-1073.06	-2.315e+05	-8376.92	-2095.47
		1	2	-60.00	22.84	-596.44	-1069.82	-2.315e+05	8328.59	2362.86
		1	3	-60.00	-25.00	-568.04	-5960.64	-2.296e+05	-8514.78	-2028.13
		1	4	-60.00	20.63	-568.22	-5957.40	-2.296e+05	8190.73	2430.20
		1	5	-60.00	-22.49	-600.28	0.96	-2.331e+05	-8357.69	-2105.02
		1	6	-60.00	23.15	-600.46	4.20	-2.331e+05	8347.82	2353.31
		1	7	-60.00	-24.70	-572.07	-4886.61	-2.312e+05	-8495.54	-2037.68
		1	8	-60.00	20.94	-572.24	-4883.37	-2.312e+05	8209.97	2420.65
		1	9	-60.00	-38.01	-596.20	-1074.14	-2.315e+05	-1.395e+04	-3581.58
		1	10	-60.00	38.05	-596.50	-1068.75	-2.315e+05	1.390e+04	3848.97
		1	11	-60.00	-39.11	-582.09	-3517.93	-2.305e+05	-1.401e+04	-3547.91
		1	12	-60.00	36.95	-582.39	-3512.53	-2.305e+05	1.383e+04	3882.64
		1	13	-60.00	-37.70	-600.22	-0.12	-2.331e+05	-1.393e+04	-3591.13
		1	14	-60.00	38.36	-600.52	5.28	-2.331e+05	1.392e+04	3839.42
		1	15	-60.00	-38.81	-586.11	-2443.90	-2.322e+05	-1.400e+04	-3557.46
		1	16	-60.00	37.26	-586.41	-2438.51	-2.322e+05	1.385e+04	3873.09
		1	17	-60.00	-21.90	-1005.45	1315.38	-3.905e+05	-8337.46	-2033.93
		1	18	-60.00	23.74	-1005.63	1318.62	-3.905e+05	8368.05	2424.41
		1	19	-60.00	-23.00	-991.34	-1128.41	-3.895e+05	-8406.39	-2000.25
		1	20	-60.00	22.64	-991.52	-1125.17	-3.895e+05	8299.12	2458.08
		1	21	-60.00	-21.59	-1009.47	2389.41	-3.921e+05	-8318.23	-2043.47
		1	22	-60.00	24.05	-1009.65	2392.65	-3.921e+05	8387.28	2414.86
		1	23	-60.00	-22.69	-995.36	-54.38	-3.911e+05	-8387.15	-2009.80
		1	24	-60.00	22.95	-995.54	-51.14	-3.911e+05	8318.35	2448.53
		1	25	-60.00	189.65	34.93	-3576.50	1.036e+04	7.126e+04	1.506e+04
		1	26	-60.00	204.85	-94.75	-3568.51	-5.847e+04	7.659e+04	1.091e+04
		1	27	-60.00	-206.91	121.56	-3591.66	6.920e+04	-7.672e+04	-1.085e+04
		1	28	-60.00	-191.71	-8.12	-3583.67	373.32	-7.139e+04	-1.499e+04
		1	29	-60.00	204.87	8.95	-3575.15	-4418.63	7.660e+04	1.089e+04
		1	30	-60.00	189.64	-68.76	-3569.87	-4.370e+04	7.125e+04	1.508e+04
		1	31	-60.00	-191.69	95.58	-3590.30	5.443e+04	-7.138e+04	-1.501e+04
		1	32	-60.00	-206.92	17.87	-3585.03	1.515e+04	-7.673e+04	-1.083e+04
		1	33	-60.00	189.65	34.93	-3576.50	1.036e+04	7.126e+04	1.506e+04
		1	34	-60.00	204.85	-94.75	-3568.51	-5.847e+04	7.659e+04	1.091e+04
		1	35	-60.00	-206.91	121.56	-3591.66	6.920e+04	-7.672e+04	-1.085e+04
		1	36	-60.00	-191.71	-8.12	-3583.67	373.32	-7.139e+04	-1.499e+04
		1	37	-60.00	204.87	8.95	-3575.15	-4418.63	7.660e+04	1.089e+04

Nodo	Tipo	Palo	Cmb	Quota	Fx	Fy	Fz	Mx	My	Mz
		1	38	-60.00	189.64	-68.76	-3569.87	-4.370e+04	7.125e+04	1.508e+04
		1	39	-60.00	-191.69	95.58	-3590.30	5.443e+04	-7.138e+04	-1.501e+04
		1	40	-60.00	-206.92	17.87	-3585.03	1.515e+04	-7.673e+04	-1.083e+04
		1	41	-60.00	33.12	216.54	-3591.13	1.113e+05	1.325e+04	1.082e+04
		1	42	-60.00	83.79	-215.72	-3564.50	-1.182e+05	3.102e+04	-2986.01
		1	43	-60.00	-85.85	242.53	-3595.67	1.289e+05	-3.115e+04	3049.66
		1	44	-60.00	-35.18	-189.73	-3569.05	-1.005e+05	-1.338e+04	-1.076e+04
		1	45	-60.00	33.12	216.54	-3591.13	1.113e+05	1.325e+04	1.082e+04
		1	46	-60.00	83.79	-215.72	-3564.50	-1.182e+05	3.102e+04	-2986.01
		1	47	-60.00	-85.85	242.53	-3595.67	1.289e+05	-3.115e+04	3049.66
		1	48	-60.00	-35.18	-189.73	-3569.05	-1.005e+05	-1.338e+04	-1.076e+04
		1	49	-60.00	83.84	129.93	-3586.61	6.200e+04	3.106e+04	-3055.58
		1	50	-60.00	33.08	-129.11	-3569.02	-6.893e+04	1.321e+04	1.089e+04
		1	51	-60.00	-35.13	155.92	-3591.15	7.966e+04	-1.334e+04	-1.083e+04
		1	52	-60.00	-85.89	-103.12	-3573.57	-5.127e+04	-3.118e+04	3119.24
		1	53	-60.00	83.84	129.93	-3586.61	6.200e+04	3.106e+04	-3055.58
		1	54	-60.00	33.08	-129.11	-3569.02	-6.893e+04	1.321e+04	1.089e+04
		1	55	-60.00	-35.13	155.92	-3591.15	7.966e+04	-1.334e+04	-1.083e+04
		1	56	-60.00	-85.89	-103.12	-3573.57	-5.127e+04	-3.118e+04	3119.24
		1	57	-60.00	59.60	21.24	-3578.98	6707.75	2.261e+04	4808.77
		1	58	-60.00	64.43	-21.97	-3576.37	-1.469e+04	2.431e+04	3492.03
		1	59	-60.00	-66.48	48.78	-3583.80	2.542e+04	-2.444e+04	-3428.37
		1	60	-60.00	-61.65	5.58	-3581.19	4022.67	-2.274e+04	-4745.11
		1	61	-60.00	64.43	13.06	-3578.61	1995.78	2.431e+04	3485.40
		1	62	-60.00	59.59	-13.79	-3576.74	-9975.11	2.261e+04	4815.40
		1	63	-60.00	-61.65	40.61	-3583.43	2.071e+04	-2.274e+04	-4751.74
		1	64	-60.00	-66.49	13.75	-3581.56	8734.64	-2.444e+04	-3421.74
		1	65	-60.00	59.60	21.24	-3578.98	6707.75	2.261e+04	4808.77
		1	66	-60.00	64.43	-21.97	-3576.37	-1.469e+04	2.431e+04	3492.03
		1	67	-60.00	-66.48	48.78	-3583.80	2.542e+04	-2.444e+04	-3428.37
		1	68	-60.00	-61.65	5.58	-3581.19	4022.67	-2.274e+04	-4745.11
		1	69	-60.00	64.43	13.06	-3578.61	1995.78	2.431e+04	3485.40
		1	70	-60.00	59.59	-13.79	-3576.74	-9975.11	2.261e+04	4815.40
		1	71	-60.00	-61.65	40.61	-3583.43	2.071e+04	-2.274e+04	-4751.74
		1	72	-60.00	-66.49	13.75	-3581.56	8734.64	-2.444e+04	-3421.74
		1	73	-60.00	9.83	81.28	-3583.71	3.822e+04	4168.89	3461.96
		1	74	-60.00	25.94	-62.73	-3575.01	-3.310e+04	9817.86	-927.17
		1	75	-60.00	-27.99	89.55	-3585.16	4.383e+04	-9946.11	990.82
		1	76	-60.00	-11.89	-54.47	-3576.46	-2.749e+04	-4297.13	-3398.31
		1	77	-60.00	9.83	81.28	-3583.71	3.822e+04	4168.89	3461.96
		1	78	-60.00	25.94	-62.73	-3575.01	-3.310e+04	9817.86	-927.17
		1	79	-60.00	-27.99	89.55	-3585.16	4.383e+04	-9946.11	990.82
		1	80	-60.00	-11.89	-54.47	-3576.46	-2.749e+04	-4297.13	-3398.31
		1	81	-60.00	25.95	54.04	-3582.48	2.251e+04	9829.38	-949.27
		1	82	-60.00	9.82	-35.48	-3576.25	-1.739e+04	4157.38	3484.07
		1	83	-60.00	-11.87	62.30	-3583.93	2.812e+04	-4285.62	-3420.41
		1	84	-60.00	-28.01	-27.22	-3577.69	-1.178e+04	-9957.62	1012.92
		1	85	-60.00	25.95	54.04	-3582.48	2.251e+04	9829.38	-949.27
		1	86	-60.00	9.82	-35.48	-3576.25	-1.739e+04	4157.38	3484.07
		1	87	-60.00	-11.87	62.30	-3583.93	2.812e+04	-4285.62	-3420.41
		1	88	-60.00	-28.01	-27.22	-3577.69	-1.178e+04	-9957.62	1012.92
		1	89	-60.00	-1.03	13.41	-3580.09	5365.21	-64.12	31.83
		1	90	-60.00	-15.34	-395.72	-1192.72	-1.536e+05	-5593.16	-1392.74
		1	91	-60.00	15.09	-395.84	-1190.56	-1.536e+05	5543.84	1579.48
		1	92	-60.00	-16.81	-376.91	-4451.10	-1.524e+05	-5685.07	-1347.84
		1	93	-60.00	13.62	-377.03	-4448.95	-1.524e+05	5451.94	1624.38
		1	94	-60.00	-25.48	-395.68	-1193.44	-1.536e+05	-9305.50	-2383.48
		1	95	-60.00	25.23	-395.88	-1189.84	-1.536e+05	9256.18	2570.22
		1	96	-60.00	-26.21	-386.27	-2822.63	-1.530e+05	-9351.45	-2361.03
		1	97	-60.00	24.50	-386.47	-2819.03	-1.530e+05	9210.22	2592.67
		1	98	-60.00	-14.73	-668.51	399.58	-2.596e+05	-5566.86	-1351.71
		1	99	-60.00	15.69	-668.63	401.74	-2.596e+05	5570.15	1620.51
		1	100	-60.00	-15.47	-659.11	-1229.62	-2.590e+05	-5612.81	-1329.26
		1	101	-60.00	14.96	-659.23	-1227.46	-2.590e+05	5524.20	1642.96
		1	102	-60.00	-1.03	13.41	-3580.09	5365.21	-64.12	31.83
		1	103	-60.00	-1.32	17.17	-4231.76	5616.85	-82.50	40.81
		1	104	-60.00	-13.70	13.46	-3580.99	5365.23	-4704.54	-1206.60
		1	105	-60.00	11.65	13.36	-3579.19	5365.19	4576.30	1270.25

Nodo	Tipo	Palo	Cmb	Quota	Fx	Fy	Fz	Mx	My	Mz
		1	106	-60.00	-0.73	-122.99	-2783.94	-4.763e+04	-50.97	52.34
		1	107	-60.00	-1.03	13.41	-3580.09	5365.21	-64.12	31.83
7	PL.1P D 50.00	1	1	-60.00	-36.09	-492.79	-1434.62	-2.015e+05	-1.268e+04	-3098.62
		1	2	-60.00	32.31	-492.47	-1438.80	-2.014e+05	1.238e+04	3593.00
		1	3	-60.00	-26.50	-519.17	-3176.84	-2.079e+05	-1.208e+04	-3450.35
		1	4	-60.00	41.90	-518.85	-3181.02	-2.078e+05	1.298e+04	3241.27
		1	5	-60.00	-37.44	-489.00	-820.74	-2.019e+05	-1.276e+04	-3049.14
		1	6	-60.00	30.96	-488.69	-824.92	-2.018e+05	1.229e+04	3642.48
		1	7	-60.00	-27.85	-515.38	-2562.96	-2.083e+05	-1.216e+04	-3400.87
		1	8	-60.00	40.55	-515.07	-2567.14	-2.082e+05	1.289e+04	3290.75
		1	9	-60.00	-58.89	-492.89	-1433.23	-2.015e+05	-2.103e+04	-5329.16
		1	10	-60.00	55.11	-492.37	-1440.19	-2.014e+05	2.073e+04	5823.54
		1	11	-60.00	-54.09	-506.08	-2304.34	-2.047e+05	-2.073e+04	-5505.03
		1	12	-60.00	59.90	-505.56	-2311.30	-2.046e+05	2.103e+04	5647.67
		1	13	-60.00	-60.24	-489.11	-819.35	-2.019e+05	-2.112e+04	-5279.68
		1	14	-60.00	53.76	-488.58	-826.31	-2.018e+05	2.064e+04	5873.02
		1	15	-60.00	-55.44	-502.30	-1690.46	-2.051e+05	-2.082e+04	-5455.55
		1	16	-60.00	58.55	-501.77	-1697.42	-2.050e+05	2.095e+04	5697.15
		1	17	-60.00	-41.25	-810.27	-619.00	-3.370e+05	-1.303e+04	-2790.89
		1	18	-60.00	27.14	-809.96	-623.18	-3.369e+05	1.203e+04	3900.73
		1	19	-60.00	-36.46	-823.46	-1490.11	-3.402e+05	-1.273e+04	-2966.75
		1	20	-60.00	31.94	-823.15	-1494.29	-3.401e+05	1.233e+04	3724.87
		1	21	-60.00	-42.60	-806.49	-5.12	-3.374e+05	-1.311e+04	-2741.41
		1	22	-60.00	25.79	-806.17	-9.30	-3.373e+05	1.195e+04	3950.21
		1	23	-60.00	-37.81	-819.68	-876.23	-3.406e+05	-1.281e+04	-2917.27
		1	24	-60.00	30.59	-819.36	-880.41	-3.405e+05	1.225e+04	3774.35
		1	25	-60.00	194.93	-21.37	-2062.39	-3298.96	7.158e+04	1.483e+04
		1	26	-60.00	210.17	-151.24	-2072.66	-7.129e+04	7.691e+04	1.073e+04
		1	27	-60.00	-201.16	126.00	-2019.86	7.393e+04	-7.635e+04	-1.106e+04
		1	28	-60.00	-185.91	-3.87	-2030.13	5937.10	-7.101e+04	-1.516e+04
		1	29	-60.00	210.16	-55.68	-2063.63	-2.061e+04	7.692e+04	1.069e+04
		1	30	-60.00	194.94	-116.93	-2071.42	-5.398e+04	7.157e+04	1.487e+04
		1	31	-60.00	-185.93	91.69	-2021.10	5.662e+04	-7.100e+04	-1.519e+04
		1	32	-60.00	-201.14	30.44	-2028.89	2.325e+04	-7.635e+04	-1.102e+04
		1	33	-60.00	194.93	-21.37	-2062.39	-3298.96	7.158e+04	1.483e+04
		1	34	-60.00	210.17	-151.24	-2072.66	-7.129e+04	7.691e+04	1.073e+04
		1	35	-60.00	-201.16	126.00	-2019.86	7.393e+04	-7.635e+04	-1.106e+04
		1	36	-60.00	-185.91	-3.87	-2030.13	5937.10	-7.101e+04	-1.516e+04
		1	37	-60.00	210.16	-55.68	-2063.63	-2.061e+04	7.692e+04	1.069e+04
		1	38	-60.00	194.94	-116.93	-2071.42	-5.398e+04	7.157e+04	1.487e+04
		1	39	-60.00	-185.93	91.69	-2021.10	5.662e+04	-7.100e+04	-1.519e+04
		1	40	-60.00	-201.14	30.44	-2028.89	2.325e+04	-7.635e+04	-1.102e+04
		1	41	-60.00	38.51	181.72	-2035.52	1.030e+05	1.358e+04	1.055e+04
		1	42	-60.00	89.33	-251.18	-2069.76	-1.236e+05	3.136e+04	-3112.01
		1	43	-60.00	-80.31	225.93	-2022.76	1.262e+05	-3.080e+04	2782.15
		1	44	-60.00	-29.50	-206.96	-2057.00	-1.004e+05	-1.301e+04	-1.088e+04
		1	45	-60.00	38.51	181.72	-2035.52	1.030e+05	1.358e+04	1.055e+04
		1	46	-60.00	89.33	-251.18	-2069.76	-1.236e+05	3.136e+04	-3112.01
		1	47	-60.00	-80.31	225.93	-2022.76	1.262e+05	-3.080e+04	2782.15
		1	48	-60.00	-29.50	-206.96	-2057.00	-1.004e+05	-1.301e+04	-1.088e+04
		1	49	-60.00	89.28	67.35	-2039.65	4.535e+04	3.139e+04	-3240.84
		1	50	-60.00	38.56	-136.81	-2065.63	-6.588e+04	1.355e+04	1.068e+04
		1	51	-60.00	-29.55	111.57	-2026.89	6.852e+04	-1.299e+04	-1.101e+04
		1	52	-60.00	-80.26	-92.59	-2052.87	-4.272e+04	-3.082e+04	2910.98
		1	53	-60.00	89.28	67.35	-2039.65	4.535e+04	3.139e+04	-3240.84
		1	54	-60.00	38.56	-136.81	-2065.63	-6.588e+04	1.355e+04	1.068e+04
		1	55	-60.00	-29.55	111.57	-2026.89	6.852e+04	-1.299e+04	-1.101e+04
		1	56	-60.00	-80.26	-92.59	-2052.87	-4.272e+04	-3.082e+04	2910.98
		1	57	-60.00	65.05	-15.31	-2051.33	-174.33	2.295e+04	4601.78
		1	58	-60.00	69.90	-56.78	-2054.72	-2.174e+04	2.465e+04	3299.05
		1	59	-60.00	-60.88	31.54	-2037.80	2.438e+04	-2.408e+04	-3628.91
		1	60	-60.00	-56.04	-9.93	-2041.19	2812.47	-2.238e+04	-4931.64
		1	61	-60.00	69.89	-26.20	-2051.73	-5674.08	2.465e+04	3286.81
		1	62	-60.00	65.05	-45.90	-2054.32	-1.624e+04	2.295e+04	4614.02
		1	63	-60.00	-56.04	20.66	-2038.21	1.888e+04	-2.238e+04	-4943.88
		1	64	-60.00	-60.88	0.96	-2040.79	8312.22	-2.408e+04	-3616.67
		1	65	-60.00	65.05	-15.31	-2051.33	-174.33	2.295e+04	4601.78
		1	66	-60.00	69.90	-56.78	-2054.72	-2.174e+04	2.465e+04	3299.05

Nodo	Tipo	Palo	Cmb	Quota	Fx	Fy	Fz	Mx	My	Mz
		1	67	-60.00	-60.88	31.54	-2037.80	2.438e+04	-2.408e+04	-3628.91
		1	68	-60.00	-56.04	-9.93	-2041.19	2812.47	-2.238e+04	-4931.64
		1	69	-60.00	69.89	-26.20	-2051.73	-5674.08	2.465e+04	3286.81
		1	70	-60.00	65.05	-45.90	-2054.32	-1.624e+04	2.295e+04	4614.02
		1	71	-60.00	-56.04	20.66	-2038.21	1.888e+04	-2.238e+04	-4943.88
		1	72	-60.00	-60.88	0.96	-2040.79	8312.22	-2.408e+04	-3616.67
		1	73	-60.00	15.32	49.46	-2042.64	3.358e+04	4510.69	3240.89
		1	74	-60.00	31.47	-88.76	-2053.94	-3.831e+04	1.016e+04	-1101.55
		1	75	-60.00	-22.46	63.52	-2038.58	4.095e+04	-9598.21	771.68
		1	76	-60.00	-6.31	-74.71	-2049.88	-3.094e+04	-3945.30	-3570.75
		1	77	-60.00	15.32	49.46	-2042.64	3.358e+04	4510.69	3240.89
		1	78	-60.00	31.47	-88.76	-2053.94	-3.831e+04	1.016e+04	-1101.55
		1	79	-60.00	-22.46	63.52	-2038.58	4.095e+04	-9598.21	771.68
		1	80	-60.00	-6.31	-74.71	-2049.88	-3.094e+04	-3945.30	-3570.75
		1	81	-60.00	31.46	13.19	-2043.99	1.525e+04	1.017e+04	-1142.34
		1	82	-60.00	15.34	-52.49	-2052.60	-1.998e+04	4502.42	3281.69
		1	83	-60.00	-6.32	27.25	-2039.93	2.261e+04	-3937.02	-3611.55
		1	84	-60.00	-22.44	-38.43	-2048.54	-1.261e+04	-9606.49	812.48
		1	85	-60.00	31.46	13.19	-2043.99	1.525e+04	1.017e+04	-1142.34
		1	86	-60.00	15.34	-52.49	-2052.60	-1.998e+04	4502.42	3281.69
		1	87	-60.00	-6.32	27.25	-2039.93	2.261e+04	-3937.02	-3611.55
		1	88	-60.00	-22.44	-38.43	-2048.54	-1.261e+04	-9606.49	812.48
		1	89	-60.00	4.51	-12.62	-2046.26	1319.07	282.70	-164.93
		1	90	-60.00	-23.46	-330.21	-1229.25	-1.342e+05	-8415.59	-2087.74
		1	91	-60.00	22.14	-330.00	-1232.03	-1.341e+05	8289.08	2373.34
		1	92	-60.00	-17.06	-347.79	-2390.73	-1.384e+05	-8014.82	-2322.23
		1	93	-60.00	28.53	-347.58	-2393.52	-1.384e+05	8689.85	2138.85
		1	94	-60.00	-38.66	-330.28	-1228.32	-1.342e+05	-1.398e+04	-3574.76
		1	95	-60.00	37.34	-329.93	-1232.96	-1.341e+05	1.386e+04	3860.37
		1	96	-60.00	-35.46	-339.07	-1809.06	-1.363e+05	-1.378e+04	-3692.01
		1	97	-60.00	40.54	-338.72	-1813.70	-1.362e+05	1.406e+04	3743.12
		1	98	-60.00	-26.90	-541.86	-685.50	-2.245e+05	-8646.22	-1882.58
		1	99	-60.00	18.70	-541.65	-688.29	-2.244e+05	8058.45	2578.50
		1	100	-60.00	-23.70	-550.66	-1266.24	-2.266e+05	-8445.84	-1999.83
		1	101	-60.00	21.89	-550.45	-1269.03	-2.266e+05	8258.84	2461.25
		1	102	-60.00	4.51	-12.62	-2046.26	1319.07	282.70	-164.93
		1	103	-60.00	5.79	-16.14	-2278.56	465.28	362.85	-211.83
		1	104	-60.00	-14.49	-12.71	-2045.10	1299.62	-6677.58	-2023.71
		1	105	-60.00	23.51	-12.53	-2047.42	1338.52	7242.98	1693.85
		1	106	-60.00	2.79	-118.45	-1774.39	-4.383e+04	167.38	-62.35
		1	107	-60.00	4.51	-12.62	-2046.26	1319.07	282.70	-164.93
Nodo					**Fx**	**Fy**	**Fz**	**Mx**	**My**	**Mz**
					-210.21	-1056.61	-5960.73	-4.298e+05	-7.693e+04	-1.519e+04
					210.17	242.68	2392.65	1.289e+05	7.692e+04	1.521e+04

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**

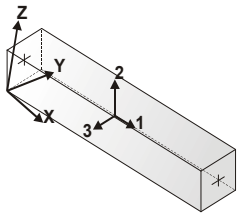
Per ogni elemento e per ogni combinazione (o caso di carico) vengono riportati i risultati più significativi.

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

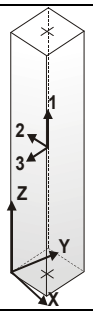
Pilas.	numero dell'elemento pilastro
Cmb	combinazione in cui si verificano i valori riportati
M3 mx/mn	momento flettente in campata M3 max (prima riga) / min (seconda riga)
M2 mx/mn	momento flettente in campata M2 max (prima riga) / min (seconda riga)
D2/D3	freccia massima in direzione 2 (prima riga) / 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.



orientamento elementi 2D non verticali



orientamento elementi 2D verticali

Trave	CDC	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	1982.45	248.04	-0.04	-88.82	0.0	-416.97	70.88	-0.51	-0.78	248.04	-9632.39
		-9632.39	38.25	-4.75e-03	0.0	410.9	-504.00	-17.95	-0.51	-0.78	38.25	1241.20
1	2	1678.26	656.64	0.06	0.0	0.0	-358.33	17.24	-1.36	-2.06	656.64	-5404.10
		-5404.10	99.75	-0.01	0.0	410.9	-358.33	17.24	-1.36	-2.06	99.75	1678.26
1	3	3283.03	1284.53	0.12	0.0	0.0	-700.97	33.72	-2.65	-4.02	1284.53	-1.057e+04
		-1.057e+04	195.14	-0.02	0.0	410.9	-700.97	33.72	-2.65	-4.02	195.14	3283.03
1	4	4847.77	2702.28	0.81	0.0	0.0	-4.35	-57.48	-120.21	118.95	2702.28	4847.77
		-1.877e+04	-4.669e+04	2.83	0.0	410.9	-4.35	-57.48	-120.21	118.95	-4.669e+04	-1.877e+04
1	5	4847.77	2702.28	0.81	0.0	0.0	-4.35	-57.48	-120.21	118.95	2702.28	4847.77
		-1.877e+04	-4.669e+04	2.83	0.0	410.9	-4.35	-57.48	-120.21	118.95	-4.669e+04	-1.877e+04
1	6	7006.37	432.05	1.16	0.0	0.0	42.33	-85.12	-22.80	-14.27	432.05	7006.37
		-2.815e+04	-8959.71	0.76	0.0	410.9	42.33	-85.12	-22.80	-14.27	-8959.71	-2.815e+04
1	7	1.446e+04	8928.67	2.38	0.0	0.0	66.81	-171.40	22.53	14.42	-371.76	1.446e+04
		-5.616e+04	-371.76	-0.77	0.0	410.9	66.81	-171.40	22.53	14.42	8928.67	-5.616e+04
1	8	1541.34	859.16	0.26	0.0	0.0	-1.39	-18.28	-38.22	37.82	859.16	1541.34
		-5968.71	-1.485e+04	0.90	0.0	410.9	-1.39	-18.28	-38.22	37.82	-1.485e+04	-5968.71
1	9	1541.34	859.16	0.26	0.0	0.0	-1.39	-18.28	-38.22	37.82	859.16	1541.34
		-5968.71	-1.485e+04	0.90	0.0	410.9	-1.39	-18.28	-38.22	37.82	-1.485e+04	-5968.71
1	10	2232.49	138.65	0.37	0.0	0.0	15.93	-27.19	-7.25	-4.54	138.65	2232.49
		-9023.86	-2847.76	0.24	0.0	410.9	15.93	-27.19	-7.25	-4.54	-2847.76	-9023.86
1	11	4597.02	2837.99	0.76	0.0	0.0	24.72	-54.63	7.16	4.59	-120.83	4597.02
		-1.793e+04	-120.83	-0.24	0.0	410.9	24.72	-54.63	7.16	4.59	2837.99	-1.793e+04
1	12	17.96	537.96	-1.02e-03	0.0	0.0	-1.48	0.07	-25.37	20.65	537.96	-11.86
		-11.86	-9886.46	0.58	0.0	410.9	-1.48	0.07	-25.37	20.65	-9886.46	17.96
1	13	4.396e+04	-350.72	4.93	0.0	0.0	987.42	-381.16	2.75	6.08	-1479.52	4.396e+04
		-1.127e+05	-1479.52	0.03	0.0	410.9	987.42	-381.16	2.75	6.08	-350.72	-1.127e+05
2	1	5196.82	-2.31	-0.07	-88.82	0.0	-709.74	99.92	0.14	0.20	-61.71	-1.761e+04
		-1.761e+04	-61.71	9.63e-04	0.0	410.9	-796.77	11.10	0.14	0.20	-2.31	5196.82
2	2	6092.54	-7.87	0.02	0.0	0.0	-1016.16	48.86	0.39	0.51	-167.12	-1.398e+04
		-1.398e+04	-167.12	2.65e-03	0.0	410.9	-1016.16	48.86	0.39	0.51	-7.87	6092.54
2	3	1.192e+04	-15.39	0.04	0.0	0.0	-1987.82	95.58	0.76	1.00	-326.92	-2.735e+04
		-2.735e+04	-326.92	5.19e-03	0.0	410.9	-1987.82	95.58	0.76	1.00	-15.39	1.192e+04
2	4	3646.06	2732.21	0.59	0.0	0.0	5.78	-44.81	-120.32	118.89	2732.21	3646.06
		-1.477e+04	-4.671e+04	2.83	0.0	410.9	5.78	-44.81	-120.32	118.89	-4.671e+04	-1.477e+04
2	5	3646.06	2732.21	0.59	0.0	0.0	5.78	-44.81	-120.32	118.89	2732.21	3646.06
		-1.477e+04	-4.671e+04	2.83	0.0	410.9	5.78	-44.81	-120.32	118.89	-4.671e+04	-1.477e+04
2	6	9038.70	425.36	1.43	0.0	0.0	157.15	-116.66	-22.84	-14.26	425.36	9038.70
		-4.062e+04	-8968.71	0.76	0.0	410.9	157.15	-116.66	-22.84	-14.26	-8968.71	-4.062e+04
2	7	1.533e+04	8977.04	2.44	0.0	0.0	199.88	-190.66	22.77	14.36	392.23	1.533e+04
		-6.461e+04	392.23	-0.77	0.0	410.9	199.88	-190.66	22.77	14.36	8977.04	-6.461e+04
2	8	1159.25	868.68	0.19	0.0	0.0	1.84	-14.25	-38.25	37.80	868.68	1159.25
		-4694.75	-1.485e+04	0.90	0.0	410.9	1.84	-14.25	-38.25	37.80	-1.485e+04	-4694.75
2	9	1159.25	868.68	0.19	0.0	0.0	1.84	-14.25	-38.25	37.80	868.68	1159.25
		-4694.75	-1.485e+04	0.90	0.0	410.9	1.84	-14.25	-38.25	37.80	-1.485e+04	-4694.75
2	10	2906.22	135.30	0.45	0.0	0.0	59.35	-37.93	-7.26	-4.53	135.30	2906.22
		-1.343e+04	-2850.64	0.24	0.0	410.9	59.35	-37.93	-7.26	-4.53	-2850.64	-1.343e+04
2	11	4893.74	2853.31	0.77	0.0	0.0	75.49	-61.52	7.24	4.57	124.89	4893.74
		-2.109e+04	124.89	-0.24	0.0	410.9	75.49	-61.52	7.24	4.57	2853.31	-2.109e+04
2	12	3.79	364.14	2.04e-04	0.0	0.0	1.15	-3.16e-03	-16.92	13.74	364.14	3.79
		2.49	-6589.19	0.39	0.0	410.9	1.15	-3.16e-03	-16.92	13.74	-6589.19	2.49
2	13	7.019e+04	519.73	5.89	0.0	0.0	2643.83	-505.44	-1.37	-0.63	519.73	7.019e+04
		-1.375e+05	-43.04	-7.03e-03	0.0	410.9	2643.83	-505.44	-1.37	-0.63	-43.04	-1.375e+05
3	1	5300.31	14.35	-0.06	-88.82	0.0	-654.72	98.94	-0.03	-0.02	14.35	-1.710e+04
		-1.710e+04	2.48	-3.08e-04	0.0	410.9	-741.74	10.11	-0.03	-0.02	2.48	5300.31
3	2	6874.87	39.60	0.02	0.0	0.0	-877.26	50.31	-0.08	-0.09	39.60	-1.380e+04
		-1.380e+04	5.83	-8.10e-04	0.0	410.9	-877.26	50.31	-0.08	-0.09	5.83	6874.87
3	3	1.345e+04	77.46	0.04	0.0	0.0	-1716.11	98.42	-0.16	-0.17	77.46	-2.699e+04
		-2.699e+04	11.41	-1.59e-03	0.0	410.9	-1716.11	98.42	-0.16	-0.17	11.41	1.345e+04
3	4	1916.37	2726.64	0.31	0.0	0.0	-2.78	-24.17	-120.33	118.94	2726.64	1916.37
		-8015.26	-4.672e+04	2.83	0.0	410.9	-2.78	-24.17	-120.33	118.94	-4.672e+04	-8015.26
3	5	1916.37	2726.64	0.31	0.0	0.0	-2.78	-24.17	-120.33	118.94	2726.64	1916.37
		-8015.26	-4.672e+04	2.83	0.0	410.9	-2.78	-24.17	-120.33	118.94	-4.672e+04	-8015.26
3	6	1.081e+04	429.18	1.71	0.0	0.0	183.64	-137.77	-22.87	-14.23	429.18	1.081e+04
		-4.784e+04	-8976.56	0.76	0.0	410.9	183.64	-137.77	-22.87	-14.23	-8976.56	-4.784e+04
3	7	1.430e+04	9004.75	2.28	0.0	0.0	212.88	-181.38	22.91	14.32	-418.26	1.430e+04
		-6.224e+04	-418.26	-0.77	0.0	410.9	212.88	-181.38	22.91	14.32	9004.75	-6.224e+04
3	8	609.36	866.91	0.10	0.0	0.0	-0.89	-7.68	-38.26	37.81	866.91	609.36
		-2548.74	-1.485e+04	0.90	0.0	410.9	-0.89	-7.68	-38.26	37.81	-1.485e+04	-2548.74
3	9	609.36	866.91	0.10	0.0	0.0	-0.89	-7.68	-38.26	37.81	866.91	609.36
		-2548.74	-1.485e+04	0.90	0.0	410.9	-0.89	-7.68	-38.26	37.81	-1.485e+04	-2548.74
3	10	3477.46	136.52	0.54	0.0	0.0	69.38	-44.72	-7.27	-4.53	136.52	3477.46
		-1.579e+04	-2853.13	0.24	0.0	410.9	69.38	-44.72	-7.27	-4.53	-2853.13	-1.579e+04
3	11	4574.83	2862.13	0.72	0.0	0.0	80.43	-58.76	7.28	4.55	-133.07	4574.83

		-2.045e+04	-133.07	-0.24	0.0	410.9	80.43	-58.76	7.28	4.55	2862.13	-2.045e+04
3	12	6.01	180.90	5.14e-04	0.0	0.0	0.12	-0.05	-8.46	6.87	180.90	6.01
		-14.53	-3293.94	0.19	0.0	410.9	0.12	-0.05	-8.46	6.87	-3293.94	-14.53
3	13	7.218e+04	-21.95	6.26	0.0	0.0	2302.38	-539.08	0.08	0.54	-53.48	7.218e+04
		-1.493e+05	-53.48	1.14e-03	0.0	410.9	2302.38	-539.08	0.08	0.54	-21.95	-1.493e+05
4	1	4884.17	2.21	-0.06	-88.82	0.0	-667.38	96.95	5.44e-03	0.02	-0.03	-1.670e+04
		-1.670e+04	-0.03	-9.59e-05	0.0	410.9	-754.40	8.13	5.44e-03	0.02	2.21	4884.17
4	2	5905.41	4.67	0.02	0.0	0.0	-913.13	46.04	0.01	0.03	0.05	-1.301e+04
		-1.301e+04	0.05	-2.06e-04	0.0	410.9	-913.13	46.04	0.01	0.03	4.67	5905.41
4	3	1.155e+04	9.14	0.05	0.0	0.0	-1786.27	90.06	0.02	0.05	0.10	-2.545e+04
		-2.545e+04	0.10	-4.03e-04	0.0	410.9	-1786.27	90.06	0.02	0.05	9.14	1.155e+04
4	4	29.95	2731.21	-1.20e-03	0.0	0.0	-5.58e-03	0.09	-120.34	118.93	2731.21	-7.35
		-7.35	-4.672e+04	2.83	0.0	410.9	-5.58e-03	0.09	-120.34	118.93	-4.672e+04	29.95
4	5	29.95	2731.21	-1.20e-03	0.0	0.0	-5.58e-03	0.09	-120.34	118.93	2731.21	-7.35
		-7.35	-4.672e+04	2.83	0.0	410.9	-5.58e-03	0.09	-120.34	118.93	-4.672e+04	29.95
4	6	1.259e+04	429.10	2.02	0.0	0.0	184.62	-160.79	-22.88	-14.22	429.10	1.259e+04
		-5.518e+04	-8978.14	0.76	0.0	410.9	184.62	-160.79	-22.88	-14.22	-8978.14	-5.518e+04
4	7	1.258e+04	9015.74	2.02	0.0	0.0	184.61	-160.69	22.97	14.30	-430.89	1.258e+04
		-5.514e+04	-430.89	-0.77	0.0	410.9	184.61	-160.69	22.97	14.30	9015.74	-5.514e+04
4	8	9.52	868.36	-3.82e-04	0.0	0.0	-1.86e-03	0.03	-38.26	37.81	868.36	-2.34
		-2.34	-1.485e+04	0.90	0.0	410.9	-1.86e-03	0.03	-38.26	37.81	-1.485e+04	9.52
4	9	9.52	868.36	-3.82e-04	0.0	0.0	-1.86e-03	0.03	-38.26	37.81	868.36	-2.34
		-2.34	-1.485e+04	0.90	0.0	410.9	-1.86e-03	0.03	-38.26	37.81	-1.485e+04	9.52
4	10	4025.11	136.64	0.64	0.0	0.0	69.75	-52.11	-7.27	-4.52	136.64	4025.11
		-1.813e+04	-2853.63	0.24	0.0	410.9	69.75	-52.11	-7.27	-4.52	-2853.63	-1.813e+04
4	11	4020.98	2865.59	0.64	0.0	0.0	69.75	-52.09	7.30	4.55	-137.21	4020.98
		-1.812e+04	-137.21	-0.24	0.0	410.9	69.75	-52.09	7.30	4.55	2865.59	-1.812e+04
4	12	3.72	2.03e-03	6.01e-04	0.0	0.0	0.42	-0.04	6.19e-06	-6.35e-05	-5.11e-04	3.72
		-11.31	-5.11e-04	0.0	0.0	410.9	0.42	-0.04	6.19e-06	-6.35e-05	2.03e-03	-11.31
4	13	7.089e+04	13.94	6.37	0.0	0.0	2390.73	-536.42	0.04	0.02	-0.46	7.089e+04
		-1.495e+05	-0.46	-6.00e-04	0.0	410.9	2390.73	-536.42	0.04	0.02	13.94	-1.495e+05
5	1	5300.04	1.94	-0.06	-88.82	0.0	-654.72	98.94	0.04	0.06	-14.40	-1.710e+04
		-1.710e+04	-14.40	1.50e-04	0.0	410.9	-741.75	10.11	0.04	0.06	1.94	5300.04
5	2	6874.65	3.51	0.02	0.0	0.0	-877.27	50.31	0.10	0.14	-39.48	-1.380e+04
		-1.380e+04	-39.48	4.67e-04	0.0	410.9	-877.27	50.31	0.10	0.14	3.51	6874.65
5	3	1.345e+04	6.87	0.04	0.0	0.0	-1716.14	98.42	0.20	0.27	-77.23	-2.699e+04
		-2.699e+04	-77.23	9.14e-04	0.0	410.9	-1716.14	98.42	0.20	0.27	6.87	1.345e+04
5	4	8017.73	2726.64	-0.31	0.0	0.0	2.79	24.17	-120.33	118.94	2726.64	-1916.75
		-1916.75	-4.672e+04	2.83	0.0	410.9	2.79	24.17	-120.33	118.94	-4.672e+04	8017.73
5	5	8017.73	2726.64	-0.31	0.0	0.0	2.79	24.17	-120.33	118.94	2726.64	-1916.75
		-1916.75	-4.672e+04	2.83	0.0	410.9	2.79	24.17	-120.33	118.94	-4.672e+04	8017.73
5	6	1.430e+04	416.41	2.28	0.0	0.0	213.03	-181.49	-22.82	-14.23	416.41	1.430e+04
		-6.227e+04	-8967.09	0.76	0.0	410.9	213.03	-181.49	-22.82	-14.23	-8967.09	-6.227e+04
5	7	1.080e+04	9014.11	1.71	0.0	0.0	183.37	-137.72	22.97	14.32	-430.92	1.080e+04
		-4.781e+04	-430.92	-0.77	0.0	410.9	183.37	-137.72	22.97	14.32	9014.11	-4.781e+04
5	8	2549.53	866.91	-0.10	0.0	0.0	0.89	7.69	-38.26	37.81	866.91	-609.48
		-609.48	-1.485e+04	0.90	0.0	410.9	0.89	7.69	-38.26	37.81	-1.485e+04	2549.53
5	9	2549.53	866.91	-0.10	0.0	0.0	0.89	7.69	-38.26	37.81	866.91	-609.48
		-609.48	-1.485e+04	0.90	0.0	410.9	0.89	7.69	-38.26	37.81	-1.485e+04	2549.53
5	10	4574.68	132.49	0.72	0.0	0.0	80.49	-58.79	-7.25	-4.53	132.49	4574.68
		-2.046e+04	-2850.15	0.24	0.0	410.9	80.49	-58.79	-7.25	-4.53	-2850.15	-2.046e+04
5	11	3470.22	2865.08	0.54	0.0	0.0	69.27	-44.71	7.30	4.55	-137.08	3470.22
		-1.578e+04	-137.08	-0.24	0.0	410.9	69.27	-44.71	7.30	4.55	2865.08	-1.578e+04
5	12	6.01	3293.94	5.14e-04	0.0	0.0	0.12	-0.05	8.46	-6.87	-180.90	6.01
		-14.53	-180.90	-0.19	0.0	410.9	0.12	-0.05	8.46	-6.87	3293.94	-14.53
5	13	7.218e+04	52.43	6.26	0.0	0.0	2302.39	-538.99	-6.17e-03	-0.49	52.43	7.218e+04
		-1.493e+05	49.89	-2.23e-03	0.0	410.9	2302.39	-538.99	-6.17e-03	-0.49	49.89	-1.493e+05
6	1	5195.73	61.65	-0.07	-88.82	0.0	-709.74	99.92	-0.13	-0.16	61.65	-1.761e+04
		-1.761e+04	6.71	-1.13e-03	0.0	410.9	-796.76	11.09	-0.13	-0.16	6.71	5195.73
6	2	6089.63	167.19	0.02	0.0	0.0	-1016.14	48.84	-0.37	-0.46	167.19	-1.398e+04
		-1.398e+04	17.19	-3.00e-03	0.0	410.9	-1016.14	48.84	-0.37	-0.46	17.19	6089.63
6	3	1.191e+04	327.06	0.04	0.0	0.0	-1987.78	95.55	-0.71	-0.90	327.06	-2.735e+04
		-2.735e+04	33.63	-5.87e-03	0.0	410.9	-1987.78	95.55	-0.71	-0.90	33.63	1.191e+04
6	4	1.476e+04	2732.22	-0.59	0.0	0.0	-5.78	44.80	-120.32	118.89	2732.22	-3645.38
		-3645.38	-4.671e+04	2.83	0.0	410.9	-5.78	44.80	-120.32	118.89	-4.671e+04	1.476e+04
6	5	1.476e+04	2732.22	-0.59	0.0	0.0	-5.78	44.80	-120.32	118.89	2732.22	-3645.38
		-3645.38	-4.671e+04	2.83	0.0	410.9	-5.78	44.80	-120.32	118.89	-4.671e+04	1.476e+04
6	6	1.533e+04	-390.26	2.44	0.0	0.0	199.36	-190.59	-22.67	-14.28	-390.26	1.533e+04
		-6.459e+04	-8939.31	0.76	0.0	410.9	199.36	-190.59	-22.67	-14.28	-8939.31	-6.459e+04
6	7	9036.74	9006.22	1.43	0.0	0.0	156.92	-116.56	22.93	14.34	-427.08	9036.74
		-4.059e+04	-427.08	-0.77	0.0	410.9	156.92	-116.56	22.93	14.34	9006.22	-4.059e+04
6	8	4693.90	868.68	-0.19	0.0	0.0	-1.84	14.24	-38.25	37.80	868.68	-1159.03
		-1159.03	-1.485e+04	0.90	0.0	410.9	-1.84	14.24	-38.25	37.80	-1.485e+04	4693.90
6	9	4693.90	868.68	-0.19	0.0	0.0	-1.84	14.24	-38.25	37.80	868.68	-1159.03
		-1159.03	-1.485e+04	0.90	0.0	410.9	-1.84	14.24	-38.25	37.80	-1.485e+04	4693.90
6	10	4893.42	-124.26	0.77	0.0	0.0	75.29	-61.49	-7.21	-4.54	-124.26	4893.42

		-2.108e+04	-2841.31	0.24	0.0	410.9	75.29	-61.49	-7.21	-4.54	-2841.31	-2.108e+04
6	11	2906.29	2862.58	0.45	0.0	0.0	59.26	-37.89	7.29	4.56	-135.85	2906.29
		-1.342e+04	-135.85	-0.24	0.0	410.9	59.26	-37.89	7.29	4.56	2862.58	-1.342e+04
6	12	3.79	6589.19	2.04e-04	0.0	0.0	1.15	-3.16e-03	16.92	-13.74	-364.14	3.79
		2.49	-364.14	-0.39	0.0	410.9	1.15	-3.16e-03	16.92	-13.74	6589.19	2.49
6	13	7.016e+04	71.25	5.89	0.0	0.0	2643.72	-505.14	1.44	0.68	-520.90	7.016e+04
		-1.374e+05	-520.90	6.10e-03	0.0	410.9	2643.72	-505.14	1.44	0.68	71.25	-1.374e+05
7	1	1980.32	-33.83	-0.04	-88.82	0.0	-416.69	70.86	0.52	0.81	-248.08	-9627.92
		-9627.92	-248.08	4.58e-03	0.0	410.9	-503.72	-17.97	0.52	0.81	-33.83	1237.54
7	2	1664.38	-90.40	0.06	0.0	0.0	-356.72	17.14	1.38	2.11	-656.54	-5380.18
		-5380.18	-656.54	0.01	0.0	410.9	-356.72	17.14	1.38	2.11	-90.40	1664.38
7	3	3255.87	-176.85	0.12	0.0	0.0	-697.83	33.54	2.70	4.13	-1284.33	-1.052e+04
		-1.052e+04	-1284.33	0.02	0.0	410.9	-697.83	33.54	2.70	4.13	-176.85	3255.87
7	4	1.876e+04	2702.27	-0.81	0.0	0.0	4.35	57.44	-120.21	118.94	2702.27	-4845.20
		-4845.20	-4.669e+04	2.83	0.0	410.9	4.35	57.44	-120.21	118.94	-4.669e+04	1.876e+04
7	5	1.876e+04	2702.27	-0.81	0.0	0.0	4.35	57.44	-120.21	118.94	2702.27	-4845.20
		-4845.20	-4.669e+04	2.83	0.0	410.9	4.35	57.44	-120.21	118.94	-4.669e+04	1.876e+04
7	6	1.444e+04	369.99	2.38	0.0	0.0	66.91	-171.20	-22.43	-14.33	369.99	1.444e+04
		-5.609e+04	-8890.86	0.76	0.0	410.9	66.91	-171.20	-22.43	-14.33	-8890.86	-5.609e+04
7	7	7000.95	8997.07	1.16	0.0	0.0	42.51	-85.06	22.89	14.36	-433.74	7000.95
		-2.813e+04	-433.74	-0.77	0.0	410.9	42.51	-85.06	22.89	14.36	8997.07	-2.813e+04
7	8	5964.91	859.16	-0.26	0.0	0.0	1.39	18.26	-38.22	37.82	859.16	-1540.52
		-1540.52	-1.485e+04	0.90	0.0	410.9	1.39	18.26	-38.22	37.82	-1.485e+04	5964.91
7	9	5964.91	859.16	-0.26	0.0	0.0	1.39	18.26	-38.22	37.82	859.16	-1540.52
		-1540.52	-1.485e+04	0.90	0.0	410.9	1.39	18.26	-38.22	37.82	-1.485e+04	5964.91
7	10	4592.77	120.28	0.76	0.0	0.0	24.76	-54.56	-7.13	-4.56	120.28	4592.77
		-1.791e+04	-2825.96	0.24	0.0	410.9	24.76	-54.56	-7.13	-4.56	-2825.96	-1.791e+04
7	11	2230.70	2859.65	0.37	0.0	0.0	16.00	-27.17	7.28	4.57	-139.20	2230.70
		-9017.56	-139.20	-0.24	0.0	410.9	16.00	-27.17	7.28	4.57	2859.65	-9017.56
7	12	17.96	9886.41	-1.02e-03	0.0	0.0	-1.48	0.07	25.37	-20.65	-537.95	-11.86
		-11.86	-537.95	-0.58	0.0	410.9	-1.48	0.07	25.37	-20.65	9886.41	17.96
7	13	4.385e+04	1478.16	4.93	0.0	0.0	983.26	-380.43	-2.68	-6.04	1478.16	4.385e+04
		-1.125e+05	379.00	-0.03	0.0	410.9	983.26	-380.43	-2.68	-6.04	379.00	-1.125e+05
8	1	473.48	328.74	-0.06	-89.13	0.0	-649.54	32.25	0.73	1.33	-40.40	-2481.26
		-8722.25	-40.40	4.01e-03	0.0	507.0	-524.66	-56.87	0.73	1.33	328.74	-8722.25
8	2	3314.32	866.01	0.07	0.0	0.0	-452.24	-17.55	1.91	3.47	-103.71	3314.32
		-5580.94	-103.71	0.01	0.0	507.0	-452.24	-17.55	1.91	3.47	866.01	-5580.94
8	3	6483.51	1694.10	0.13	0.0	0.0	-884.68	-34.32	3.74	6.78	-202.88	6483.51
		-1.092e+04	-202.88	0.02	0.0	507.0	-884.68	-34.32	3.74	6.78	1694.10	-1.092e+04
8	4	1.550e+04	3560.16	1.00	0.0	0.0	-16.21	-39.35	78.27	-118.20	-3.613e+04	1.550e+04
		-4454.72	-3.613e+04	-3.47	0.0	507.0	-16.21	-39.35	78.27	-118.20	3560.16	-4454.72
8	5	1.550e+04	3560.16	1.00	0.0	0.0	-16.21	-39.35	78.27	-118.20	-3.613e+04	1.550e+04
		-4454.72	-3.613e+04	-3.47	0.0	507.0	-16.21	-39.35	78.27	-118.20	3560.16	-4454.72
8	6	2.321e+04	4648.99	1.44	0.0	0.0	-51.15	-58.12	-9.84	-18.67	4648.99	2.321e+04
		-6362.59	-413.25	0.36	0.0	507.0	-51.15	-58.12	-9.84	-18.67	-413.25	-6362.59
8	7	4.618e+04	-489.90	2.94	0.0	0.0	-75.00	-116.38	9.72	18.36	-4648.31	4.618e+04
		-1.293e+04	-4648.31	-0.36	0.0	507.0	-75.00	-116.38	9.72	18.36	-489.90	-1.293e+04
8	8	4927.58	1131.92	0.32	0.0	0.0	-5.17	-12.51	24.89	-37.58	-1.149e+04	4927.58
		-1416.35	-1.149e+04	-1.10	0.0	507.0	-5.17	-12.51	24.89	-37.58	1131.92	-1416.35
8	9	4927.58	1131.92	0.32	0.0	0.0	-5.17	-12.51	24.89	-37.58	-1.149e+04	4927.58
		-1416.35	-1.149e+04	-1.10	0.0	507.0	-5.17	-12.51	24.89	-37.58	1131.92	-1416.35
8	10	7440.91	1478.36	0.46	0.0	0.0	-18.85	-18.58	-3.13	-5.94	1478.36	7440.91
		-2025.52	-133.80	0.11	0.0	507.0	-18.85	-18.58	-3.13	-5.94	-133.80	-2025.52
8	11	1.475e+04	-157.83	0.93	0.0	0.0	-27.61	-37.11	3.09	5.84	-1478.25	1.475e+04
		-4111.25	-1478.25	-0.11	0.0	507.0	-27.61	-37.11	3.09	5.84	-157.83	-4111.25
8	12	-0.50	635.87	-1.28e-03	0.0	0.0	-1.63	0.02	12.63	-23.94	-5765.83	-10.44
		-10.44	-5765.83	-0.59	0.0	507.0	-1.63	0.02	12.63	-23.94	635.87	-0.50
8	13	8.167e+04	376.74	6.11	0.0	0.0	1027.53	-190.31	-5.86	-8.99	376.74	8.167e+04
		-1.481e+04	-2594.47	-0.03	0.0	507.0	1027.53	-190.31	-5.86	-8.99	-2594.47	-1.481e+04
9	1	1146.49	1.56	-0.10	-89.13	0.0	-1004.25	12.61	-0.13	-0.26	1.56	700.56
		-1.550e+04	-64.54	-1.13e-03	0.0	507.0	-879.36	-76.52	-0.13	-0.26	-64.54	-1.550e+04
9	2	6022.77	7.15	-0.04	0.0	0.0	-1241.30	-36.05	-0.36	-0.68	7.15	6022.77
		-1.225e+04	-177.51	-2.92e-03	0.0	507.0	-1241.30	-36.05	-0.36	-0.68	-177.51	-1.225e+04
9	3	1.178e+04	13.98	-0.08	0.0	0.0	-2428.24	-70.51	-0.71	-1.33	13.98	1.178e+04
		-2.397e+04	-347.24	-5.70e-03	0.0	507.0	-2428.24	-70.51	-0.71	-1.33	-347.24	-2.397e+04
9	4	1.210e+04	3618.08	0.73	0.0	0.0	24.77	-30.17	78.41	-117.89	-3.614e+04	1.210e+04
		-3194.17	-3.614e+04	-3.46	0.0	507.0	24.77	-30.17	78.41	-117.89	3618.08	-3194.17
9	5	1.210e+04	3618.08	0.73	0.0	0.0	24.77	-30.17	78.41	-117.89	-3.614e+04	1.210e+04
		-3194.17	-3.614e+04	-3.46	0.0	507.0	24.77	-30.17	78.41	-117.89	3618.08	-3194.17
9	6	3.363e+04	4660.04	1.76	0.0	0.0	-154.80	-80.26	-9.91	-18.62	4660.04	3.363e+04
		-7770.74	-401.44	0.36	0.0	507.0	-154.80	-80.26	-9.91	-18.62	-401.44	-7770.74
9	7	5.319e+04	426.33	3.01	0.0	0.0	-203.08	-129.54	9.91	18.59	-4677.67	5.319e+04
		-1.326e+04	-4677.67	-0.36	0.0	507.0	-203.08	-129.54	9.91	18.59	426.33	-1.326e+04
9	8	3847.48	1150.33	0.23	0.0	0.0	7.88	-9.59	24.93	-37.48	-1.149e+04	3847.48
		-1015.58	-1.149e+04	-1.10	0.0	507.0	7.88	-9.59	24.93	-37.48	1150.33	-1015.58
9	9	3847.48	1150.33	0.23	0.0	0.0	7.88	-9.59	24.93	-37.48	-1.149e+04	3847.48

		-1015.58	-1.149e+04	-1.10	0.0	507.0	7.88	-9.59	24.93	-37.48	1150.33	-1015.58
9	10	1.115e+04	1481.88	0.56	0.0	0.0	-57.40	-26.27	-3.15	-5.92	1481.88	1.115e+04
		-2471.07	-128.01	0.11	0.0	507.0	-57.40	-26.27	-3.15	-5.92	-128.01	-2471.07
9	11	1.739e+04	135.74	0.95	0.0	0.0	-75.00	-41.95	3.15	5.91	-1487.48	1.739e+04
		-4215.52	-1487.48	-0.11	0.0	507.0	-75.00	-41.95	3.15	5.91	135.74	-4215.52
9	12	1.49	430.26	2.73e-04	0.0	0.0	1.23	9.75e-03	8.43	-15.92	-3844.34	-3.45
		-3.45	-3844.34	-0.39	0.0	507.0	1.23	9.75e-03	8.43	-15.92	430.26	1.49
9	13	8.672e+04	124.31	7.32	0.0	0.0	2934.18	-177.68	0.14	1.35	55.31	8.672e+04
		-3353.41	55.31	3.05e-03	0.0	507.0	2934.18	-177.68	0.14	1.35	124.31	-3353.41
10	1	825.17	11.70	-0.09	-89.13	0.0	-945.22	14.15	0.03	0.05	-2.85	274.82
		-1.515e+04	-2.85	-1.18e-04	0.0	507.0	-820.34	-74.98	0.03	0.05	11.70	-1.515e+04
10	2	5470.49	33.11	-0.03	0.0	0.0	-1093.35	-35.17	0.08	0.16	-6.01	5470.49
		-1.236e+04	-6.01	-2.63e-04	0.0	507.0	-1093.35	-35.17	0.08	0.16	33.11	-1.236e+04
10	3	1.070e+04	64.77	-0.05	0.0	0.0	-2138.83	-68.80	0.15	0.31	-11.75	1.070e+04
		-2.418e+04	-11.75	-5.15e-04	0.0	507.0	-2138.83	-68.80	0.15	0.31	64.77	-2.418e+04
10	4	6557.77	3597.65	0.39	0.0	0.0	-14.15	-16.21	78.37	-117.95	-3.613e+04	6557.77
		-1662.95	-3.613e+04	-3.47	0.0	507.0	-14.15	-16.21	78.37	-117.95	3597.65	-1662.95
10	5	6557.77	3597.65	0.39	0.0	0.0	-14.15	-16.21	78.37	-117.95	-3.613e+04	6557.77
		-1662.95	-3.613e+04	-3.47	0.0	507.0	-14.15	-16.21	78.37	-117.95	3597.65	-1662.95
10	6	3.948e+04	4667.50	2.10	0.0	0.0	-187.18	-94.16	-9.96	-18.65	4667.50	3.948e+04
		-9282.20	-409.11	0.36	0.0	507.0	-187.18	-94.16	-9.96	-18.65	-409.11	-9282.20
10	7	5.124e+04	420.52	2.81	0.0	0.0	-223.26	-123.28	10.02	18.69	-4694.52	5.124e+04
		-1.229e+04	-4694.52	-0.36	0.0	507.0	-223.26	-123.28	10.02	18.69	420.52	-1.229e+04
10	8	2085.29	1143.83	0.12	0.0	0.0	-4.50	-5.16	24.92	-37.50	-1.149e+04	2085.29
		-528.80	-1.149e+04	-1.10	0.0	507.0	-4.50	-5.16	24.92	-37.50	1143.83	-528.80
10	9	2085.29	1143.83	0.12	0.0	0.0	-4.50	-5.16	24.92	-37.50	-1.149e+04	2085.29
		-528.80	-1.149e+04	-1.10	0.0	507.0	-4.50	-5.16	24.92	-37.50	1143.83	-528.80
10	10	1.305e+04	1484.24	0.67	0.0	0.0	-69.71	-30.71	-3.17	-5.93	1484.24	1.305e+04
		-2954.43	-130.40	0.11	0.0	507.0	-69.71	-30.71	-3.17	-5.93	-130.40	-2954.43
10	11	1.686e+04	134.34	0.89	0.0	0.0	-82.94	-40.09	3.19	5.94	-1492.86	1.686e+04
		-3907.10	-1492.86	-0.11	0.0	507.0	-82.94	-40.09	3.19	5.94	134.34	-3907.10
10	12	9.48	214.03	6.37e-04	0.0	0.0	0.17	-0.02	4.21	-7.96	-1922.05	9.48
		-0.05	-1922.05	-0.20	0.0	507.0	0.17	-0.02	4.21	-7.96	214.03	-0.05
10	13	9.614e+04	23.82	7.77	0.0	0.0	2581.33	-199.72	-0.45	-0.48	23.82	9.614e+04
		-5109.39	-204.73	-3.39e-03	0.0	507.0	2581.33	-199.72	-0.45	-0.48	-204.73	-5109.39
11	1	884.88	0.09	-0.09	-89.13	0.0	-956.56	14.85	5.44e-03	-6.32e-03	-2.66	267.55
		-1.480e+04	-2.66	-1.84e-04	0.0	507.0	-831.67	-74.28	5.44e-03	-6.32e-03	0.09	-1.480e+04
11	2	5569.80	0.29	-0.02	0.0	0.0	-1126.23	-34.01	0.01	-4.66e-03	-5.43	5569.80
		-1.167e+04	-5.43	-3.70e-04	0.0	507.0	-1126.23	-34.01	0.01	-4.66e-03	0.29	-1.167e+04
11	3	1.090e+04	0.57	-0.04	0.0	0.0	-2203.15	-66.53	0.02	-9.11e-03	-10.61	1.090e+04
		-2.283e+04	-10.61	-7.23e-04	0.0	507.0	-2203.15	-66.53	0.02	-9.11e-03	0.57	-2.283e+04
11	4	24.55	3597.89	2.68e-03	0.0	0.0	-0.04	-0.06	78.37	-117.95	-3.613e+04	24.55
		-6.46	-3.613e+04	-3.47	0.0	507.0	-0.04	-0.06	78.37	-117.95	3597.89	-6.46
11	5	24.55	3597.89	2.68e-03	0.0	0.0	-0.04	-0.06	78.37	-117.95	-3.613e+04	24.55
		-6.46	-3.613e+04	-3.47	0.0	507.0	-0.04	-0.06	78.37	-117.95	3597.89	-6.46
11	6	4.552e+04	4671.96	2.49	0.0	0.0	-192.96	-109.76	-9.99	-18.65	4671.96	4.552e+04
		-1.092e+04	-409.99	0.36	0.0	507.0	-192.96	-109.76	-9.99	-18.65	-409.99	-1.092e+04
11	7	4.548e+04	412.42	2.49	0.0	0.0	-192.82	-109.66	10.05	18.73	-4698.63	4.548e+04
		-1.091e+04	-4698.63	-0.36	0.0	507.0	-192.82	-109.66	10.05	18.73	412.42	-1.091e+04
11	8	7.80	1143.91	8.50e-04	0.0	0.0	-0.01	-0.02	24.92	-37.50	-1.149e+04	7.80
		-2.05	-1.149e+04	-1.10	0.0	507.0	-0.01	-0.02	24.92	-37.50	1143.91	-2.05
11	9	7.80	1143.91	8.50e-04	0.0	0.0	-0.01	-0.02	24.92	-37.50	-1.149e+04	7.80
		-2.05	-1.149e+04	-1.10	0.0	507.0	-0.01	-0.02	24.92	-37.50	1143.91	-2.05
11	10	1.499e+04	1485.65	0.79	0.0	0.0	-71.59	-35.74	-3.18	-5.93	1485.65	1.499e+04
		-3472.13	-130.81	0.11	0.0	507.0	-71.59	-35.74	-3.18	-5.93	-130.81	-3472.13
11	11	1.497e+04	131.59	0.79	0.0	0.0	-71.54	-35.71	3.19	5.95	-1494.13	1.497e+04
		-3469.67	-1494.13	-0.11	0.0	507.0	-71.54	-35.71	3.19	5.95	131.59	-3469.67
11	12	9.35	7.20e-03	7.49e-04	0.0	0.0	0.45	-0.02	-1.73e-05	1.08e-04	7.20e-03	9.35
		-2.77	-1.60e-03	0.0	0.0	507.0	0.45	-0.02	-1.73e-05	1.08e-04	-1.60e-03	-2.77
11	13	9.803e+04	0.42	7.90	0.0	0.0	2660.85	-207.99	0.03	0.04	-17.12	9.803e+04
		-7413.79	-17.12	-1.18e-03	0.0	507.0	2660.85	-207.99	0.03	0.04	0.42	-7413.79
12	1	825.43	-2.48	-0.09	-89.13	0.0	-945.23	14.14	-0.02	-0.06	-2.48	275.19
		-1.515e+04	-11.51	-3.66e-04	0.0	507.0	-820.34	-74.98	-0.02	-0.06	-11.51	-1.515e+04
12	2	5471.66	-4.84	-0.03	0.0	0.0	-1093.37	-35.18	-0.05	-0.17	-4.84	5471.66
		-1.236e+04	-32.52	-8.95e-04	0.0	507.0	-1093.37	-35.18	-0.05	-0.17	-32.52	-1.236e+04
12	3	1.070e+04	-9.47	-0.05	0.0	0.0	-2138.86	-68.81	-0.11	-0.33	-9.47	1.070e+04
		-2.418e+04	-63.61	-1.75e-03	0.0	507.0	-2138.86	-68.81	-0.11	-0.33	-63.61	-2.418e+04
12	4	1662.88	3597.62	-0.39	0.0	0.0	14.16	16.21	78.37	-117.95	-3.613e+04	-6559.14
		-6559.14	-3.613e+04	-3.47	0.0	507.0	14.16	16.21	78.37	-117.95	3597.62	1662.88
12	5	1662.88	3597.62	-0.39	0.0	0.0	14.16	16.21	78.37	-117.95	-3.613e+04	-6559.14
		-6559.14	-3.613e+04	-3.47	0.0	507.0	14.16	16.21	78.37	-117.95	3597.62	1662.88
12	6	5.126e+04	4667.84	2.81	0.0	0.0	-223.34	-123.30	-9.96	-18.61	4667.84	5.126e+04
		-1.229e+04	-418.16	0.36	0.0	507.0	-223.34	-123.30	-9.96	-18.61	-418.16	-1.229e+04
12	7	3.945e+04	411.34	2.10	0.0	0.0	-187.62	-94.06	10.02	18.73	-4694.16	3.945e+04
		-9276.70	-4694.16	-0.36	0.0	507.0	-187.62	-94.06	10.02	18.73	411.34	-9276.70
12	8	528.78	1143.83	-0.12	0.0	0.0	4.51	5.16	24.92	-37.50	-1.149e+04	-2085.73

		-2085.73	-1.149e+04	-1.10	0.0	507.0	4.51	5.16	24.92	-37.50	1143.83	528.78
12	9	528.78	1143.83	-0.12	0.0	0.0	4.51	5.16	24.92	-37.50	-1.149e+04	-2085.73
		-2085.73	-1.149e+04	-1.10	0.0	507.0	4.51	5.16	24.92	-37.50	1143.83	528.78
12	10	1.687e+04	1484.39	0.89	0.0	0.0	-82.97	-40.09	-3.17	-5.91	1484.39	1.687e+04
		-3908.91	-133.59	0.11	0.0	507.0	-82.97	-40.09	-3.17	-5.91	-133.59	-3908.91
12	11	1.304e+04	131.11	0.67	0.0	0.0	-69.88	-30.68	3.19	5.95	-1492.71	1.304e+04
		-2953.07	-1492.71	-0.11	0.0	507.0	-69.88	-30.68	3.19	5.95	131.11	-2953.07
12	12	9.48	1922.07	6.37e-04	0.0	0.0	0.17	-0.02	-4.21	7.96	1922.07	9.48
		-0.05	-214.03	0.20	0.0	507.0	0.17	-0.02	-4.21	7.96	-214.03	-0.05
12	13	9.611e+04	205.74	7.77	0.0	0.0	2581.40	-199.64	0.52	0.57	-58.12	9.611e+04
		-5097.73	-58.12	-1.36e-03	0.0	507.0	2581.40	-199.64	0.52	0.57	205.74	-5097.73
13	1	1147.06	64.71	-0.10	-89.13	0.0	-1004.24	12.61	0.14	0.24	-6.88	701.20
		-1.550e+04	-6.88	7.62e-04	0.0	507.0	-879.35	-76.52	0.14	0.24	64.71	-1.550e+04
13	2	6023.44	178.02	-0.04	0.0	0.0	-1241.27	-36.04	0.39	0.67	-17.98	6023.44
		-1.225e+04	-17.98	2.18e-03	0.0	507.0	-1241.27	-36.04	0.39	0.67	178.02	-1.225e+04
13	3	1.178e+04	348.24	-0.08	0.0	0.0	-2428.19	-70.51	0.76	1.32	-35.17	1.178e+04
		-2.396e+04	-35.17	4.26e-03	0.0	507.0	-2428.19	-70.51	0.76	1.32	348.24	-2.396e+04
13	4	3193.17	3618.03	-0.73	0.0	0.0	-24.78	30.16	78.41	-117.89	-3.614e+04	-1.210e+04
		-1.210e+04	-3.614e+04	-3.46	0.0	507.0	-24.78	30.16	78.41	-117.89	3618.03	3193.17
13	5	3193.17	3618.03	-0.73	0.0	0.0	-24.78	30.16	78.41	-117.89	-3.614e+04	-1.210e+04
		-1.210e+04	-3.614e+04	-3.46	0.0	507.0	-24.78	30.16	78.41	-117.89	3618.03	3193.17
13	6	5.317e+04	4650.96	3.01	0.0	0.0	-203.03	-129.50	-9.85	-18.51	4650.96	5.317e+04
		-1.326e+04	-424.25	0.36	0.0	507.0	-203.03	-129.50	-9.85	-18.51	-424.25	-1.326e+04
13	7	3.361e+04	403.70	1.76	0.0	0.0	-154.93	-80.23	9.97	18.71	-4686.66	3.361e+04
		-7762.53	-4686.66	-0.36	0.0	507.0	-154.93	-80.23	9.97	18.71	403.70	-7762.53
13	8	1015.27	1150.31	-0.23	0.0	0.0	-7.88	9.59	24.93	-37.48	-1.149e+04	-3846.56
		-3846.56	-1.149e+04	-1.10	0.0	507.0	-7.88	9.59	24.93	-37.48	1150.31	1015.27
13	9	1015.27	1150.31	-0.23	0.0	0.0	-7.88	9.59	24.93	-37.48	-1.149e+04	-3846.56
		-3846.56	-1.149e+04	-1.10	0.0	507.0	-7.88	9.59	24.93	-37.48	1150.31	1015.27
13	10	1.738e+04	1479.00	0.95	0.0	0.0	-74.98	-41.93	-3.13	-5.88	1479.00	1.738e+04
		-4214.62	-135.08	0.11	0.0	507.0	-74.98	-41.93	-3.13	-5.88	-135.08	-4214.62
13	11	1.114e+04	128.73	0.56	0.0	0.0	-57.45	-26.26	3.17	5.95	-1490.34	1.114e+04
		-2468.27	-1490.34	-0.11	0.0	507.0	-57.45	-26.26	3.17	5.95	128.73	-2468.27
13	12	1.50	3844.35	2.72e-04	0.0	0.0	1.23	9.76e-03	-8.43	15.92	3844.35	-3.45
		-3.45	-430.27	0.39	0.0	507.0	1.23	9.76e-03	-8.43	15.92	-430.27	1.50
13	13	8.665e+04	-89.92	7.31	0.0	0.0	2934.12	-177.50	-0.06	-1.26	-89.92	8.665e+04
		-3335.55	-122.37	-5.41e-03	0.0	507.0	2934.12	-177.50	-0.06	-1.26	-122.37	-3335.55
14	1	474.39	35.07	-0.06	-89.13	0.0	-649.20	32.26	-0.72	-1.35	35.07	-2481.62
		-8719.23	-328.55	-4.38e-03	0.0	507.0	-524.31	-56.87	-0.72	-1.35	-328.55	-8719.23
14	2	3307.25	92.85	0.07	0.0	0.0	-450.26	-17.49	-1.89	-3.48	92.85	3307.25
		-5561.25	-865.46	-0.01	0.0	507.0	-450.26	-17.49	-1.89	-3.48	-865.46	-5561.25
14	3	6469.68	181.64	0.13	0.0	0.0	-880.81	-34.22	-3.70	-6.80	181.64	6469.68
		-1.088e+04	-1693.02	-0.02	0.0	507.0	-880.81	-34.22	-3.70	-6.80	-1693.02	-1.088e+04
14	4	4452.48	3560.09	-1.00	0.0	0.0	16.20	39.32	78.27	-118.20	-3.613e+04	-1.549e+04
		-1.549e+04	-3.613e+04	-3.47	0.0	507.0	16.20	39.32	78.27	-118.20	3560.09	4452.48
14	5	4452.48	3560.09	-1.00	0.0	0.0	16.20	39.32	78.27	-118.20	-3.613e+04	-1.549e+04
		-1.549e+04	-3.613e+04	-3.47	0.0	507.0	16.20	39.32	78.27	-118.20	3560.09	4452.48
14	6	4.613e+04	4621.70	2.94	0.0	0.0	-74.75	-116.27	-9.67	-18.28	4621.70	4.613e+04
		-1.292e+04	488.54	0.36	0.0	507.0	-74.75	-116.27	-9.67	-18.28	488.54	-1.292e+04
14	7	2.319e+04	415.30	1.43	0.0	0.0	-50.89	-58.08	9.90	18.76	-4675.56	2.319e+04
		-6359.04	-4675.56	-0.36	0.0	507.0	-50.89	-58.08	9.90	18.76	415.30	-6359.04
14	8	1415.64	1131.89	-0.32	0.0	0.0	5.17	12.50	24.89	-37.58	-1.149e+04	-4924.39
		-4924.39	-1.149e+04	-1.10	0.0	507.0	5.17	12.50	24.89	-37.58	1131.89	1415.64
14	9	1415.64	1131.89	-0.32	0.0	0.0	5.17	12.50	24.89	-37.58	-1.149e+04	-4924.39
		-4924.39	-1.149e+04	-1.10	0.0	507.0	5.17	12.50	24.89	-37.58	1131.89	1415.64
14	10	1.474e+04	1469.79	0.93	0.0	0.0	-27.52	-37.07	-3.08	-5.81	1469.79	1.474e+04
		-4107.20	157.41	0.11	0.0	507.0	-27.52	-37.07	-3.08	-5.81	157.41	-4107.20
14	11	7435.67	134.43	0.46	0.0	0.0	-18.75	-18.57	3.15	5.96	-1486.80	7435.67
		-2024.52	-1486.80	-0.11	0.0	507.0	-18.75	-18.57	3.15	5.96	134.43	-2024.52
14	12	-0.50	5765.84	-1.28e-03	0.0	0.0	-1.63	0.02	-12.63	23.94	5765.84	-10.45
		-10.45	-635.87	0.59	0.0	507.0	-1.63	0.02	-12.63	23.94	-635.87	-0.50
14	13	8.156e+04	2596.75	6.10	0.0	0.0	1022.85	-190.09	5.93	9.08	-411.43	8.156e+04
		-1.482e+04	-411.43	0.03	0.0	507.0	1022.85	-190.09	5.93	9.08	2596.75	-1.482e+04
15	1	871.39	216.38	-0.04	-3.22	0.0	1.41	28.86	1.20	-6.23	167.03	-0.42
		-0.42	167.03	1.74e-03	0.69	32.0	1.41	25.63	1.88	-6.23	216.38	871.39
15	2	1342.78	587.34	-0.05	0.0	0.0	5.01	39.97	-4.62	-43.21	587.34	63.60
		63.60	439.37	5.30e-03	0.0	32.0	5.01	39.97	-4.62	-43.21	439.37	1342.78
15	3	2626.77	1148.96	-0.11	0.0	0.0	9.79	78.20	-9.05	-84.52	1148.96	124.42
		124.42	859.51	0.01	0.0	32.0	9.79	78.20	-9.05	-84.52	859.51	2626.77
15	4	-6.12	591.38	0.01	0.0	0.0	-7.38	-2.28	46.46	0.87	-957.29	-6.12
		-77.07	-957.29	-0.03	0.0	32.0	-7.38	-2.28	46.46	0.87	591.38	-77.07
15	5	-6.12	591.38	0.01	0.0	0.0	-7.38	-2.28	46.46	0.87	-957.29	-6.12
		-77.07	-957.29	-0.03	0.0	32.0	-7.38	-2.28	46.46	0.87	591.38	-77.07
15	6	-33.26	575.50	-0.02	0.0	0.0	4.38	-11.46	-9.34	4.82	575.50	-33.26
		-343.67	509.68	6.75e-03	0.0	32.0	4.38	-11.46	-9.34	4.82	509.68	-343.67
15	7	-29.82	1271.12	-0.02	0.0	0.0	10.25	-16.42	-16.78	4.42	1271.12	-29.82

		-501.20	804.43	-0.01	0.0	32.0	10.25	-16.42	-16.78	4.42	804.43	-501.20
15	8	-1.95	188.08	3.99e-03	0.0	0.0	-2.35	-0.73	14.77	0.28	-304.36	-1.95
		-24.55	-304.36	-8.67e-03	0.0	32.0	-2.35	-0.73	14.77	0.28	188.08	-24.55
15	9	-1.95	188.08	3.99e-03	0.0	0.0	-2.35	-0.73	14.77	0.28	-304.36	-1.95
		-24.55	-304.36	-8.67e-03	0.0	32.0	-2.35	-0.73	14.77	0.28	188.08	-24.55
15	10	-11.63	191.44	-7.79e-03	0.0	0.0	1.47	-4.24	-2.99	1.69	191.44	-11.63
		-127.17	169.42	2.25e-03	0.0	32.0	1.47	-4.24	-2.99	1.69	169.42	-127.17
15	11	-10.84	412.48	-5.54e-03	0.0	0.0	3.32	-6.07	-5.35	1.61	412.48	-10.84
		-184.95	266.59	-3.96e-03	0.0	32.0	3.32	-6.07	-5.35	1.61	266.59	-184.95
15	12	-2.07	9.04	-4.70e-06	0.0	0.0	1.36	-0.02	-0.10	0.30	9.04	-2.07
		-2.77	5.81	6.50e-05	0.0	32.0	1.36	-0.02	-0.10	0.30	5.81	-2.77
15	13	-195.81	1903.74	0.08	0.0	0.0	14.77	-97.35	-16.05	112.26	1903.74	-195.81
		-3310.88	1390.07	0.02	0.0	32.0	14.77	-97.35	-16.05	112.26	1390.07	-3310.88
16	1	3203.14	365.90	-0.15	-16.62	0.0	2.87	22.44	-5.66	0.51	365.90	871.31
		871.31	-276.69	0.04	3.53	165.0	2.87	5.82	-2.13	0.51	-276.69	3203.14
16	2	5346.79	852.68	-0.22	0.0	0.0	9.05	24.24	-10.44	-14.33	852.68	1346.88
		1346.88	-870.54	0.11	0.0	165.0	9.05	24.24	-10.44	-14.33	-870.54	5346.79
16	3	1.046e+04	1668.03	-0.43	0.0	0.0	17.71	47.42	-20.43	-28.04	1668.03	2634.79
		2634.79	-1702.96	0.22	0.0	165.0	17.71	47.42	-20.43	-28.04	-1702.96	1.046e+04
16	4	-77.38	515.13	0.07	0.0	0.0	-7.45	-1.51	-4.89	-1.14	515.13	-77.38
		-325.21	-300.77	-0.08	0.0	165.0	-7.45	-1.51	-4.89	-1.14	-300.77	-325.21
16	5	-77.38	515.13	0.07	0.0	0.0	-7.45	-1.51	-4.89	-1.14	515.13	-77.38
		-325.21	-300.77	-0.08	0.0	165.0	-7.45	-1.51	-4.89	-1.14	-300.77	-325.21
16	6	-342.18	924.97	-0.13	0.0	0.0	8.39	-8.60	-9.42	4.52	924.97	-342.18
		-1756.78	-633.35	0.14	0.0	165.0	8.39	-8.60	-9.42	4.52	-633.35	-1756.78
16	7	-499.59	1643.15	-0.08	0.0	0.0	18.04	-12.02	-17.35	4.04	1643.15	-499.59
		-2480.63	-1223.51	0.12	0.0	165.0	18.04	-12.02	-17.35	4.04	-1223.51	-2480.63
16	8	-24.64	163.91	0.02	0.0	0.0	-2.37	-0.48	-1.56	-0.36	163.91	-24.64
		-103.61	-95.66	-0.02	0.0	165.0	-2.37	-0.48	-1.56	-0.36	-95.66	-103.61
16	9	-24.64	163.91	0.02	0.0	0.0	-2.37	-0.48	-1.56	-0.36	163.91	-24.64
		-103.61	-95.66	-0.02	0.0	165.0	-2.37	-0.48	-1.56	-0.36	-95.66	-103.61
16	10	-126.62	308.15	-0.04	0.0	0.0	2.81	-3.20	-3.14	1.58	308.15	-126.62
		-652.45	-211.71	0.05	0.0	165.0	2.81	-3.20	-3.14	1.58	-211.71	-652.45
16	11	-184.35	540.61	-0.03	0.0	0.0	5.87	-4.45	-5.71	1.47	540.61	-184.35
		-917.84	-403.07	0.04	0.0	165.0	5.87	-4.45	-5.71	1.47	-403.07	-917.84
16	12	-2.87	1.45	-1.06e-04	0.0	0.0	1.27	-0.01	0.01	0.10	-0.99	-2.87
		-4.83	-0.99	6.03e-04	0.0	165.0	1.27	-0.01	0.01	0.10	1.45	-4.83
16	13	-3324.02	2743.81	0.28	0.0	0.0	28.12	-58.33	-26.32	40.81	2743.81	-3324.02
		-1.295e+04	-1599.39	0.47	0.0	165.0	28.12	-58.33	-26.32	40.81	-1599.39	-1.295e+04
17	1	3233.63	-24.70	-0.04	-16.62	0.0	3.97	2.55	-0.97	2.83	-156.10	3202.39
		2252.79	-177.89	-0.02	3.53	165.0	3.97	-14.06	2.56	2.83	-24.70	2252.79
17	2	5347.10	-203.94	-0.05	0.0	0.0	12.15	-9.01	1.99	5.89	-532.48	5347.10
		3860.87	-532.48	-0.05	0.0	165.0	12.15	-9.01	1.99	5.89	-203.94	3860.87
17	3	1.046e+04	-398.95	-0.09	0.0	0.0	23.78	-17.62	3.90	11.52	-1041.63	1.046e+04
		7552.68	-1041.63	-0.10	0.0	165.0	23.78	-17.62	3.90	11.52	-398.95	7552.68
17	4	-325.63	142.28	0.08	0.0	0.0	-6.82	-0.38	-2.16	-1.89	142.28	-325.63
		-364.32	-224.18	-0.08	0.0	165.0	-6.82	-0.38	-2.16	-1.89	-224.18	-364.32
17	5	-325.63	142.28	0.08	0.0	0.0	-6.82	-0.38	-2.16	-1.89	142.28	-325.63
		-364.32	-224.18	-0.08	0.0	165.0	-6.82	-0.38	-2.16	-1.89	-224.18	-364.32
17	6	-1684.12	376.98	-0.12	0.0	0.0	17.12	1.75	-5.35	4.19	376.98	-1755.34
		-1755.34	-530.77	0.14	0.0	165.0	17.12	1.75	-5.35	4.19	-530.77	-1684.12
17	7	2400.37	460.83	-0.05	0.0	0.0	31.87	2.09	-7.71	3.69	460.83	-2479.16
		-2479.16	-866.64	0.06	0.0	165.0	31.87	2.09	-7.71	3.69	-866.64	2400.37
17	8	-103.74	45.68	0.02	0.0	0.0	-2.17	-0.12	-0.69	-0.60	45.68	-103.74
		-116.14	-71.45	-0.03	0.0	165.0	-2.17	-0.12	-0.69	-0.60	-71.45	-116.14
17	9	-103.74	45.68	0.02	0.0	0.0	-2.17	-0.12	-0.69	-0.60	45.68	-103.74
		-116.14	-71.45	-0.03	0.0	165.0	-2.17	-0.12	-0.69	-0.60	-71.45	-116.14
17	10	-622.75	128.77	-0.04	0.0	0.0	5.72	0.65	-1.80	1.45	128.77	-651.92
		-651.92	-178.92	0.04	0.0	165.0	5.72	0.65	-1.80	1.45	-178.92	-622.75
17	11	880.59	154.08	-0.02	0.0	0.0	10.42	0.77	-2.55	1.34	154.08	-917.30
		-917.30	-286.84	0.02	0.0	165.0	10.42	0.77	-2.55	1.34	-286.84	880.59
17	12	-2.68	0.10	-2.75e-04	0.0	0.0	1.26	0.01	-3.01e-04	-0.08	0.10	-4.82
		-4.82	0.05	7.70e-04	0.0	165.0	1.26	0.01	-3.01e-04	-0.08	0.05	-2.68
17	13	-8945.04	1766.68	-0.16	0.0	0.0	60.09	24.29	-21.34	-10.07	1766.68	-1.295e+04
		-1.295e+04	-1755.21	0.57	0.0	165.0	60.09	24.29	-21.34	-10.07	-1755.21	-8945.04
18	1	2251.38	584.65	0.04	-16.62	0.0	0.45	-16.93	4.20	3.54	-399.86	2251.38
		-1913.68	-399.86	-0.08	3.53	165.0	0.45	-33.55	7.73	3.54	584.65	-1913.68
18	2	3856.47	1395.68	0.08	0.0	0.0	3.01	-41.22	15.60	19.34	-1177.65	3856.47
		-2944.28	-1177.65	-0.20	0.0	165.0	3.01	-41.22	15.60	19.34	1395.68	-2944.28
18	3	7544.07	2730.24	0.16	0.0	0.0	5.88	-80.63	30.51	37.83	-2303.73	7544.07
		-5759.65	-2303.73	-0.39	0.0	165.0	5.88	-80.63	30.51	37.83	2730.24	-5759.65
18	4	-234.21	110.08	0.09	0.0	0.0	10.42	-1.09	-2.21	-1.86	110.08	-364.79
		-364.79	-286.85	-0.12	0.0	165.0	10.42	-1.09	-2.21	-1.86	-286.85	-234.21
18	5	-234.21	110.08	0.09	0.0	0.0	10.42	-1.09	-2.21	-1.86	110.08	-364.79
		-364.79	-286.85	-0.12	0.0	165.0	10.42	-1.09	-2.21	-1.86	-286.85	-234.21
18	6	777.91	-335.41	-0.11	0.0	0.0	22.82	12.40	5.05	3.74	-335.41	-1682.97

		-1682.97	-522.66	0.08	0.0	165.0	22.82	12.40	5.05	3.74	-522.66	777.91
18	7	2399.33	620.01	-0.02	0.0	0.0	37.70	16.24	6.54	-3.08	-511.06	2399.33
		1128.06	-511.06	-0.08	0.0	165.0	37.70	16.24	6.54	-3.08	620.01	1128.06
18	8	-74.82	35.62	0.03	0.0	0.0	3.31	-0.35	-0.71	-0.59	35.62	-116.29
		-116.29	-91.84	-0.04	0.0	165.0	3.31	-0.35	-0.71	-0.59	-91.84	-74.82
18	9	-74.82	35.62	0.03	0.0	0.0	3.31	-0.35	-0.71	-0.59	35.62	-116.29
		-116.29	-91.84	-0.04	0.0	165.0	3.31	-0.35	-0.71	-0.59	-91.84	-74.82
18	10	283.52	-121.12	-0.04	0.0	0.0	7.59	4.65	1.78	1.27	-121.12	-622.32
		-622.32	-181.46	0.03	0.0	165.0	7.59	4.65	1.78	1.27	-181.46	283.52
18	11	880.20	215.86	-5.82e-03	0.0	0.0	12.29	6.11	2.32	-1.10	-182.59	880.20
		407.50	-182.59	-0.02	0.0	165.0	12.29	6.11	2.32	-1.10	215.86	407.50
18	12	1.45	-0.64	-3.70e-04	0.0	0.0	1.25	0.02	1.20e-03	-0.07	-0.83	-2.63
		-2.63	-0.83	6.07e-04	0.0	165.0	1.25	0.02	1.20e-03	-0.07	-0.64	1.45
18	13	8263.32	1636.53	-0.43	0.0	0.0	92.32	104.24	-27.47	-44.07	1636.53	-8936.43
		-8936.43	-2896.69	0.46	0.0	165.0	92.32	104.24	-27.47	-44.07	-2896.69	8263.32
19	1	-1914.56	352.70	5.35e-03	-3.32	0.0	-1.82	-35.86	-3.51	6.31	352.70	-1914.56
		-3152.87	248.61	-2.68e-03	0.71	33.0	-1.82	-39.19	-2.80	6.31	248.61	-3152.87
19	2	-2947.40	830.05	0.01	0.0	0.0	-3.10	-55.22	1.78	34.42	771.37	-2947.40
		-4769.55	771.37	-7.65e-03	0.0	33.0	-3.10	-55.22	1.78	34.42	830.05	-4769.55
19	3	-5765.75	1623.75	0.02	0.0	0.0	-6.06	-108.02	3.48	67.33	1508.96	-5765.75
		-9330.24	1508.96	-0.01	0.0	33.0	-6.06	-108.02	3.48	67.33	1623.75	-9330.24
19	4	-203.25	988.83	0.02	0.0	0.0	10.58	-1.67	45.31	-1.56	-517.93	-234.49
		-234.49	-517.93	-0.03	0.0	33.0	10.58	-1.67	45.31	-1.56	988.83	-203.25
19	5	-203.25	988.83	0.02	0.0	0.0	10.58	-1.67	45.31	-1.56	-517.93	-234.49
		-234.49	-517.93	-0.03	0.0	33.0	10.58	-1.67	45.31	-1.56	988.83	-203.25
19	6	1255.76	362.82	-0.02	0.0	0.0	24.21	19.27	10.96	3.15	-308.87	778.54
		778.54	-308.87	9.42e-03	0.0	33.0	24.21	19.27	10.96	3.15	362.82	1255.76
19	7	1648.95	441.67	6.13e-04	0.0	0.0	38.36	24.71	7.86	2.21	324.85	1128.77
		1128.77	324.85	-0.02	0.0	33.0	38.36	24.71	7.86	2.21	441.67	1648.95
19	8	-64.98	314.40	5.65e-03	0.0	0.0	3.36	-0.53	14.41	-0.50	-164.80	-74.91
		-74.91	-164.80	-9.48e-03	0.0	33.0	3.36	-0.53	14.41	-0.50	314.40	-64.98
19	9	-64.98	314.40	5.65e-03	0.0	0.0	3.36	-0.53	14.41	-0.50	-164.80	-74.91
		-74.91	-164.80	-9.48e-03	0.0	33.0	3.36	-0.53	14.41	-0.50	314.40	-64.98
19	10	468.29	127.33	-7.24e-03	0.0	0.0	8.04	7.23	3.55	1.02	-105.52	283.73
		283.73	-105.52	3.05e-03	0.0	33.0	8.04	7.23	3.55	1.02	127.33	468.29
19	11	615.52	158.79	-1.00e-04	0.0	0.0	12.48	9.28	2.75	0.74	112.32	407.77
		407.77	112.32	-6.81e-03	0.0	33.0	12.48	9.28	2.75	0.74	158.79	615.52
19	12	2.22	0.48	-7.22e-05	0.0	0.0	1.19	0.02	0.19	0.01	-5.84	1.45
		1.45	-5.84	5.44e-05	0.0	33.0	1.19	0.02	0.19	0.01	0.48	2.22
19	13	1.285e+04	-957.06	-0.07	0.0	0.0	103.61	138.83	23.94	-81.04	-1746.94	8269.25
		8269.25	-1746.94	0.01	0.0	33.0	103.61	138.83	23.94	-81.04	-957.06	1.285e+04
20	1	-2155.29	319.42	1.03e-03	-3.22	0.0	-2.24	33.04	3.36	-3.76	200.98	-3160.86
		-3160.86	200.98	2.01e-03	0.69	32.0	-2.24	29.81	4.04	-3.76	319.42	-2155.29
20	2	-3348.28	712.66	3.38e-03	0.0	0.0	-4.15	45.18	-0.65	-26.83	712.66	-4794.19
		-4794.19	691.93	6.01e-03	0.0	32.0	-4.15	45.18	-0.65	-26.83	691.93	-3348.28
20	3	-6549.94	1394.11	6.62e-03	0.0	0.0	-8.11	88.39	-1.27	-52.49	1394.11	-9378.45
		-9378.45	1353.57	0.01	0.0	32.0	-8.11	88.39	-1.27	-52.49	1353.57	-6549.94
20	4	-206.30	595.49	0.02	0.0	0.0	-13.52	1.51	44.57	-1.53	-847.39	-206.30
		-238.33	-847.39	-0.03	0.0	32.0	-13.52	1.51	44.57	-1.53	595.49	-238.33
20	5	-206.30	595.49	0.02	0.0	0.0	-13.52	1.51	44.57	-1.53	-847.39	-206.30
		-238.33	-847.39	-0.03	0.0	32.0	-13.52	1.51	44.57	-1.53	595.49	-238.33
20	6	1267.86	729.63	-0.02	0.0	0.0	28.82	-20.27	-9.11	3.98	729.63	1267.86
		786.18	612.91	0.01	0.0	32.0	28.82	-20.27	-9.11	3.98	612.91	786.18
20	7	1660.88	1031.93	1.10e-03	0.0	0.0	46.32	-24.25	-15.43	-3.46	1031.93	1660.88
		1103.42	637.37	-0.02	0.0	32.0	46.32	-24.25	-15.43	-3.46	637.37	1103.42
20	8	-65.95	189.48	5.52e-03	0.0	0.0	-4.30	0.48	14.17	-0.49	-269.44	-65.95
		-76.03	-269.44	-8.75e-03	0.0	32.0	-4.30	0.48	14.17	-0.49	189.48	-76.03
20	9	-65.95	189.48	5.52e-03	0.0	0.0	-4.30	0.48	14.17	-0.49	-269.44	-65.95
		-76.03	-269.44	-8.75e-03	0.0	32.0	-4.30	0.48	14.17	-0.49	189.48	-76.03
20	10	472.35	258.05	-7.10e-03	0.0	0.0	9.59	-7.61	-3.07	1.36	258.05	472.35
		286.75	211.05	4.39e-03	0.0	32.0	9.59	-7.61	-3.07	1.36	211.05	286.75
20	11	619.84	351.75	1.76e-04	0.0	0.0	15.06	-9.10	-5.02	-1.24	351.75	619.84
		398.52	223.19	-4.66e-03	0.0	32.0	15.06	-9.10	-5.02	-1.24	223.19	398.52
20	12	2.07	3.77	-6.70e-05	0.0	0.0	1.86	2.55e-03	0.18	0.02	-1.89	1.99
		1.99	-1.89	3.81e-05	0.0	32.0	1.86	2.55e-03	0.18	0.02	3.77	2.07
20	13	1.288e+04	1023.09	-0.05	0.0	0.0	119.74	-112.29	-26.11	69.80	1023.09	1.288e+04
		9290.67	187.50	9.65e-03	0.0	32.0	119.74	-112.29	-26.11	69.80	187.50	9290.67
21	1	1023.41	509.45	-0.02	-16.62	0.0	-0.39	27.57	-7.00	-0.90	509.45	-2155.49
		-2155.49	-354.35	0.06	3.53	165.0	-0.39	10.96	-3.47	-0.90	-354.35	1023.41
21	2	1839.68	1212.51	-0.03	0.0	0.0	0.94	31.44	-13.81	-11.53	1212.51	-3348.49
		-3348.49	-1066.45	0.17	0.0	165.0	0.94	31.44	-13.81	-11.53	-1066.45	1839.68
21	3	3598.80	2371.93	-0.06	0.0	0.0	1.84	61.51	-27.02	-22.55	2371.93	-6550.36
		-6550.36	-2086.20	0.33	0.0	165.0	1.84	61.51	-27.02	-22.55	-2086.20	3598.80
21	4	-238.61	443.75	0.09	0.0	0.0	-13.42	1.06	-3.90	-1.83	443.75	-238.61
		-369.36	-207.21	-0.10	0.0	165.0	-13.42	1.06	-3.90	-1.83	-207.21	-369.36
21	5	-238.61	443.75	0.09	0.0	0.0	-13.42	1.06	-3.90	-1.83	443.75	-238.61

		-369.36	-207.21	-0.10	0.0	165.0	-13.42	1.06	-3.90	-1.83	-207.21	-369.36
21	6	1815.66	1131.21	-0.11	0.0	0.0	33.05	-13.16	-12.05	3.27	1131.21	786.80
		786.80	-862.39	0.18	0.0	165.0	33.05	-13.16	-12.05	3.27	-862.39	1815.66
21	7	2141.88	1294.22	0.02	0.0	0.0	51.67	-15.77	-14.41	2.60	1294.22	1104.05
		1104.05	-1089.03	0.03	0.0	165.0	51.67	-15.77	-14.41	2.60	-1089.03	2141.88
21	8	-76.12	141.59	0.03	0.0	0.0	-4.27	0.34	-1.25	-0.58	141.59	-76.12
		-117.55	-66.22	-0.03	0.0	165.0	-4.27	0.34	-1.25	-0.58	-66.22	-117.55
21	9	-76.12	141.59	0.03	0.0	0.0	-4.27	0.34	-1.25	-0.58	141.59	-76.12
		-117.55	-66.22	-0.03	0.0	165.0	-4.27	0.34	-1.25	-0.58	-66.22	-117.55
21	10	675.36	392.64	-0.03	0.0	0.0	11.01	-4.94	-4.21	1.06	392.64	286.95
		286.95	-304.28	0.06	0.0	165.0	11.01	-4.94	-4.21	1.06	-304.28	675.36
21	11	781.85	449.11	6.96e-03	0.0	0.0	16.86	-5.92	-5.02	0.88	449.11	398.75
		398.75	-381.42	0.01	0.0	165.0	16.86	-5.92	-5.02	0.88	-381.42	781.85
21	12	2.34	2.21	-2.93e-04	0.0	0.0	1.78	1.72e-03	0.03	2.32e-03	-2.54	2.06
		2.06	-2.54	6.02e-05	0.0	165.0	1.78	1.72e-03	0.03	2.32e-03	2.21	2.34
21	13	9289.02	755.78	-0.11	0.0	0.0	125.38	-78.35	-7.49	32.20	755.78	9289.02
		-3638.42	-479.55	0.15	0.0	165.0	125.38	-78.35	-7.49	32.20	-479.55	-3638.42
22	1	1385.04	-73.07	6.70e-03	-16.62	0.0	2.25	8.53	-1.98	-0.60	-73.07	1023.81
		1023.81	-164.40	0.01	3.53	165.0	2.25	-8.08	1.55	-0.60	-107.95	1060.81
22	2	1966.23	-322.64	9.92e-03	0.0	0.0	7.90	0.76	-0.56	-1.40	-322.64	1841.48
		1841.48	-414.22	0.03	0.0	165.0	7.90	0.76	-0.56	-1.40	-414.22	1966.23
22	3	3846.36	-631.16	0.02	0.0	0.0	15.45	1.48	-1.09	-2.75	-631.16	3602.33
		3602.33	-810.31	0.06	0.0	165.0	15.45	1.48	-1.09	-2.75	-810.31	3846.36
22	4	-369.77	164.86	0.10	0.0	0.0	-10.90	0.62	-2.07	-2.07	164.86	-369.77
		-384.39	-185.00	-0.11	0.0	165.0	-10.90	0.62	-2.07	-2.07	-185.00	-384.39
22	5	-369.77	164.86	0.10	0.0	0.0	-10.90	0.62	-2.07	-2.07	164.86	-369.77
		-384.39	-185.00	-0.11	0.0	165.0	-10.90	0.62	-2.07	-2.07	-185.00	-384.39
22	6	1815.46	369.60	-0.10	0.0	0.0	41.33	3.33	-5.10	3.20	369.60	1815.46
		1579.55	-576.76	0.14	0.0	165.0	41.33	3.33	-5.10	3.20	-576.76	1579.55
22	7	2141.95	-398.40	0.05	0.0	0.0	59.37	-2.98	-4.34	-2.84	-398.40	2141.95
		1849.60	-572.81	-0.06	0.0	165.0	59.37	-2.98	-4.34	-2.84	-572.81	1849.60
22	8	-117.68	52.91	0.03	0.0	0.0	-3.47	0.20	-0.66	-0.66	52.91	-117.68
		-122.50	-59.33	-0.03	0.0	165.0	-3.47	0.20	-0.66	-0.66	-59.33	-122.50
22	9	-117.68	52.91	0.03	0.0	0.0	-3.47	0.20	-0.66	-0.66	52.91	-117.68
		-122.50	-59.33	-0.03	0.0	165.0	-3.47	0.20	-0.66	-0.66	-59.33	-122.50
22	10	675.29	126.31	-0.03	0.0	0.0	13.75	1.25	-1.71	1.03	126.31	675.29
		586.96	-198.00	0.05	0.0	165.0	13.75	1.25	-1.71	1.03	-198.00	586.96
22	11	781.86	-138.27	0.02	0.0	0.0	19.42	-1.09	-1.42	-0.95	-138.27	781.86
		675.07	-194.71	-0.02	0.0	165.0	19.42	-1.09	-1.42	-0.95	-194.71	675.07
22	12	2.37	1.41	-1.99e-04	0.0	0.0	1.75	1.33e-04	0.02	-0.01	-1.42	2.35
		2.35	-1.42	9.60e-05	0.0	165.0	1.75	1.33e-04	0.02	-0.01	1.41	2.37
22	13	-3644.96	552.30	-0.17	0.0	0.0	135.17	-2.27	-6.62	6.19	552.30	-3644.96
		-4018.91	-540.38	0.18	0.0	165.0	135.17	-2.27	-6.62	6.19	-540.38	-4018.91
23	1	1060.84	451.27	0.04	-16.62	0.0	0.24	-10.60	2.93	0.43	-322.97	1060.84
		-2058.88	-322.97	-0.05	3.53	165.0	0.24	-27.22	6.46	0.43	451.27	-2058.88
23	2	1965.38	1059.15	0.06	0.0	0.0	2.60	-30.17	12.38	10.80	-983.49	1965.38
		-3012.65	-983.49	-0.14	0.0	165.0	2.60	-30.17	12.38	10.80	1059.15	-3012.65
23	3	3844.70	2071.92	0.11	0.0	0.0	5.08	-59.02	24.22	21.13	-1923.92	3844.70
		-5893.39	-1923.92	-0.28	0.0	165.0	5.08	-59.02	24.22	21.13	2071.92	-5893.39
23	4	-311.54	154.21	0.11	0.0	0.0	11.59	1.09	-3.10	-1.95	154.21	-384.78
		-384.78	-372.70	-0.13	0.0	165.0	11.59	1.09	-3.10	-1.95	-372.70	-311.54
23	5	-311.54	154.21	0.11	0.0	0.0	11.59	1.09	-3.10	-1.95	154.21	-384.78
		-384.78	-372.70	-0.13	0.0	165.0	11.59	1.09	-3.10	-1.95	-372.70	-311.54
23	6	1748.27	688.90	-0.10	0.0	0.0	44.45	17.11	7.64	3.37	-593.81	1579.64
		1579.64	-593.81	0.07	0.0	165.0	44.45	17.11	7.64	3.37	688.90	1748.27
23	7	1849.88	955.36	0.08	0.0	0.0	58.62	19.20	11.00	-3.04	-870.74	1849.88
		1613.59	-870.74	-0.16	0.0	165.0	58.62	19.20	11.00	-3.04	955.36	1613.59
23	8	-99.73	49.32	0.03	0.0	0.0	3.69	0.35	-0.99	-0.62	49.32	-122.63
		-122.63	-118.96	-0.04	0.0	165.0	3.69	0.35	-0.99	-0.62	-118.96	-99.73
23	9	-99.73	49.32	0.03	0.0	0.0	3.69	0.35	-0.99	-0.62	49.32	-122.63
		-122.63	-118.96	-0.04	0.0	165.0	3.69	0.35	-0.99	-0.62	-118.96	-99.73
23	10	658.01	247.90	-0.03	0.0	0.0	14.60	6.43	2.79	1.09	-219.48	587.00
		587.00	-219.48	0.02	0.0	165.0	14.60	6.43	2.79	1.09	247.90	658.01
23	11	675.14	342.99	0.02	0.0	0.0	19.01	7.19	3.97	-1.01	-314.94	675.14
		607.27	-314.94	-0.05	0.0	165.0	19.01	7.19	3.97	-1.01	342.99	607.27
23	12	2.38	1.30	-1.06e-04	0.0	0.0	1.72	-3.32e-03	0.02	0.01	-1.56	2.38
		1.83	-1.56	6.47e-05	0.0	165.0	1.72	-3.32e-03	0.02	0.01	1.30	1.83
23	13	8262.50	521.54	-0.25	0.0	0.0	145.25	74.43	-9.05	-24.97	521.54	-4017.83
		-4017.83	-971.35	0.14	0.0	165.0	145.25	74.43	-9.05	-24.97	-971.35	8262.50
24	1	-2058.84	279.23	2.39e-03	-3.32	0.0	-1.43	-29.61	-3.49	4.47	279.23	-2058.84
		-3090.73	175.66	-1.94e-03	0.71	33.0	-1.43	-32.93	-2.79	4.47	175.66	-3090.73
24	2	-3013.14	643.61	2.73e-03	0.0	0.0	-2.02	-44.26	1.73	28.87	586.57	-3013.14
		-4473.79	586.57	-5.77e-03	0.0	33.0	-2.02	-44.26	1.73	28.87	643.61	-4473.79
24	3	-5894.34	1259.04	5.34e-03	0.0	0.0	-3.95	-86.59	3.38	56.47	1147.45	-5894.34
		-8751.68	1147.45	-0.01	0.0	33.0	-3.95	-86.59	3.38	56.47	1259.04	-8751.68
24	4	-298.09	921.21	0.02	0.0	0.0	11.32	1.45	44.49	1.82	-561.29	-311.68

		-311.68	-561.29	-0.03	0.0	33.0	11.32	1.45	44.49	1.82	921.21	-298.09
24	5	-298.09	921.21	0.02	0.0	0.0	11.32	1.45	44.49	1.82	-561.29	-311.68
		-311.68	-561.29	-0.03	0.0	33.0	11.32	1.45	44.49	1.82	921.21	-298.09
24	6	2477.36	529.25	-0.02	0.0	0.0	44.37	24.61	12.24	3.69	373.87	1748.68
		1748.68	373.87	0.01	0.0	33.0	44.37	24.61	12.24	3.69	529.25	2477.36
24	7	2468.13	697.88	0.02	0.0	0.0	56.66	27.90	9.19	-3.45	496.61	1613.49
		1613.49	496.61	-0.02	0.0	33.0	56.66	27.90	9.19	-3.45	697.88	2468.13
24	8	-95.53	292.90	7.01e-03	0.0	0.0	3.60	0.46	14.15	0.58	-178.58	-99.77
		-99.77	-178.58	-9.29e-03	0.0	33.0	3.60	0.46	14.15	0.58	292.90	-95.53
24	9	-95.53	292.90	7.01e-03	0.0	0.0	3.60	0.46	14.15	0.58	-178.58	-99.77
		-99.77	-178.58	-9.29e-03	0.0	33.0	3.60	0.46	14.15	0.58	292.90	-95.53
24	10	932.99	190.70	-6.52e-03	0.0	0.0	14.47	9.25	4.03	1.23	132.03	658.14
		658.14	132.03	3.99e-03	0.0	33.0	14.47	9.25	4.03	1.23	190.70	932.99
24	11	931.05	255.11	5.26e-03	0.0	0.0	18.26	10.46	3.27	-1.16	176.23	607.23
		607.23	176.23	-7.47e-03	0.0	33.0	18.26	10.46	3.27	-1.16	255.11	931.05
24	12	1.81	1.90	-1.16e-05	0.0	0.0	1.68	-4.96e-03	0.13	0.05	-2.37	1.81
		1.65	-2.37	2.02e-05	0.0	33.0	1.68	-4.96e-03	0.13	0.05	1.90	1.65
24	13	1.187e+04	131.26	-0.03	0.0	0.0	147.73	109.27	25.69	-69.41	-716.61	8263.08
		8263.08	-716.61	2.64e-03	0.0	33.0	147.73	109.27	25.69	-69.41	131.26	1.187e+04
25	1	-2070.50	298.83	-1.95e-03	-3.22	0.0	-1.31	33.40	3.06	-5.55	189.93	-3087.80
		-3087.80	189.93	1.95e-03	0.69	32.0	-1.31	30.18	3.75	-5.55	298.83	-2070.50
25	2	-3003.92	680.85	-3.58e-03	0.0	0.0	-1.71	45.71	-1.37	-32.04	680.85	-4466.65
		-4466.65	637.13	5.81e-03	0.0	32.0	-1.71	45.71	-1.37	-32.04	637.13	-3003.92
25	3	-5876.30	1331.89	-7.00e-03	0.0	0.0	-3.34	89.42	-2.67	-62.67	1331.89	-8737.71
		-8737.71	1246.36	0.01	0.0	32.0	-3.34	89.42	-2.67	-62.67	1246.36	-5876.30
25	4	-299.26	605.89	0.02	0.0	0.0	-12.58	0.55	44.76	1.80	-843.83	-299.26
		-304.46	-843.83	-0.03	0.0	32.0	-12.58	0.55	44.76	1.80	605.89	-304.46
25	5	-299.26	605.89	0.02	0.0	0.0	-12.58	0.55	44.76	1.80	-843.83	-299.26
		-304.46	-843.83	-0.03	0.0	32.0	-12.58	0.55	44.76	1.80	605.89	-304.46
25	6	2482.54	610.68	-0.02	0.0	0.0	46.87	-23.45	-8.70	3.84	610.68	2482.54
		1763.96	523.20	0.02	0.0	32.0	46.87	-23.45	-8.70	3.84	523.20	1763.96
25	7	2465.10	682.55	0.02	0.0	0.0	59.17	-26.89	-14.09	-3.18	682.55	2465.10
		1703.27	367.76	-0.02	0.0	32.0	59.17	-26.89	-14.09	-3.18	367.76	1703.27
25	8	-95.90	192.67	6.84e-03	0.0	0.0	-4.00	0.18	14.23	0.57	-268.29	-95.90
		-97.57	-268.29	-8.71e-03	0.0	32.0	-4.00	0.18	14.23	0.57	192.67	-97.57
25	9	-95.90	192.67	6.84e-03	0.0	0.0	-4.00	0.18	14.23	0.57	-268.29	-95.90
		-97.57	-268.29	-8.71e-03	0.0	32.0	-4.00	0.18	14.23	0.57	192.67	-97.57
25	10	934.66	211.32	-6.63e-03	0.0	0.0	15.21	-8.80	-2.99	1.28	211.32	934.66
		663.88	173.82	5.67e-03	0.0	32.0	15.21	-8.80	-2.99	1.28	173.82	663.88
25	11	929.99	233.87	4.98e-03	0.0	0.0	18.97	-10.11	-4.58	-1.05	233.87	929.99
		640.82	130.12	-5.18e-03	0.0	32.0	18.97	-10.11	-4.58	-1.05	130.12	640.82
25	12	1.32	2.19	-8.99e-06	0.0	0.0	1.99	-6.43e-03	0.12	0.05	-1.69	1.32
		1.11	-1.69	2.04e-05	0.0	32.0	1.99	-6.43e-03	0.12	0.05	2.19	1.11
25	13	1.184e+04	731.59	-7.73e-03	0.0	0.0	152.33	-113.72	-25.21	80.58	731.59	1.184e+04
		8200.31	-75.07	5.23e-03	0.0	32.0	152.33	-113.72	-25.21	80.58	-75.07	8200.31
26	1	1140.07	479.93	-0.04	-16.62	0.0	0.45	27.76	-6.72	-1.31	479.93	-2070.15
		-2070.15	-338.26	0.06	3.53	165.0	0.45	11.15	-3.19	-1.31	-338.26	1140.07
26	2	2203.36	1132.51	-0.06	0.0	0.0	3.13	31.55	-13.06	-12.96	1132.51	-3002.50
		-3002.50	-1022.64	0.16	0.0	165.0	3.13	31.55	-13.06	-12.96	-1022.64	2203.36
26	3	4310.24	2215.42	-0.11	0.0	0.0	6.13	61.72	-25.55	-25.35	2215.42	-5873.53
		-5873.53	-2000.50	0.30	0.0	165.0	6.13	61.72	-25.55	-25.35	-2000.50	4310.24
26	4	-284.40	463.35	0.11	0.0	0.0	-11.47	0.31	-3.92	-2.07	463.35	-304.61
		-304.61	-185.95	-0.13	0.0	165.0	-11.47	0.31	-3.92	-2.07	-185.95	-284.40
26	5	-284.40	463.35	0.11	0.0	0.0	-11.47	0.31	-3.92	-2.07	463.35	-304.61
		-304.61	-185.95	-0.13	0.0	165.0	-11.47	0.31	-3.92	-2.07	-185.95	-284.40
26	6	1764.36	949.42	-0.12	0.0	0.0	50.45	-16.15	-10.36	3.72	949.42	1764.36
		1097.13	-771.04	0.19	0.0	165.0	50.45	-16.15	-10.36	3.72	-771.04	1097.13
26	7	1833.80	738.06	0.08	0.0	0.0	61.83	-18.12	-8.66	-3.01	738.06	1703.05
		1703.05	-698.55	-0.04	0.0	165.0	61.83	-18.12	-8.66	-3.01	-698.55	1833.80
26	8	-91.15	147.41	0.04	0.0	0.0	-3.65	0.10	-1.25	-0.66	147.41	-97.62
		-97.62	-59.21	-0.04	0.0	165.0	-3.65	0.10	-1.25	-0.66	-59.21	-91.15
26	9	-91.15	147.41	0.04	0.0	0.0	-3.65	0.10	-1.25	-0.66	147.41	-97.62
		-97.62	-59.21	-0.04	0.0	165.0	-3.65	0.10	-1.25	-0.66	-59.21	-91.15
26	10	664.01	318.49	-0.04	0.0	0.0	16.38	-6.06	-3.51	1.24	318.49	664.01
		400.52	-265.14	0.06	0.0	165.0	16.38	-6.06	-3.51	1.24	-265.14	400.52
26	11	675.97	259.43	0.03	0.0	0.0	19.85	-6.81	-3.05	-0.97	259.43	640.74
		640.74	-246.37	-0.01	0.0	165.0	19.85	-6.81	-3.05	-0.97	-246.37	675.97
26	12	1.10	0.92	-2.50e-05	0.0	0.0	1.95	-5.07e-03	0.01	0.02	-1.09	1.10
		0.26	-1.09	4.76e-05	0.0	165.0	1.95	-5.07e-03	0.01	0.02	0.92	0.26
26	13	8195.73	214.00	0.08	0.0	0.0	155.22	-78.70	-2.28	33.67	214.00	8195.73
		-4789.78	-161.65	0.06	0.0	165.0	155.22	-78.70	-2.28	33.67	-161.65	-4789.78
27	1	1498.85	-90.29	-7.87e-03	-16.62	0.0	2.77	8.50	-1.77	0.11	-90.29	1140.35
		1140.35	-163.34	8.67e-03	3.53	165.0	2.77	-8.12	1.76	0.11	-90.70	1171.90
27	2	2246.38	-367.12	-0.01	0.0	0.0	9.23	0.25	0.02	0.32	-369.69	2204.93
		2204.93	-369.69	0.02	0.0	165.0	9.23	0.25	0.02	0.32	-367.12	2246.38
27	3	4394.40	-718.16	-0.03	0.0	0.0	18.05	0.49	0.03	0.62	-723.19	4313.31

		4313.31	-723.19	0.04	0.0	165.0	18.05	0.49	0.03	0.62	-718.16	4394.40
27	4	-182.27	238.28	0.12	0.0	0.0	-5.55	0.63	-2.80	-2.32	238.28	-284.81
		-284.81	-224.58	-0.13	0.0	165.0	-5.55	0.63	-2.80	-2.32	-224.58	-182.27
27	5	-182.27	238.28	0.12	0.0	0.0	-5.55	0.63	-2.80	-2.32	238.28	-284.81
		-284.81	-224.58	-0.13	0.0	165.0	-5.55	0.63	-2.80	-2.32	-224.58	-182.27
27	6	1319.76	-452.27	-0.12	0.0	0.0	56.53	2.91	-4.63	3.74	-452.27	1096.81
		1096.81	-455.13	0.14	0.0	165.0	56.53	2.91	-4.63	3.74	-455.13	1319.76
27	7	1960.70	-278.11	0.10	0.0	0.0	63.97	-2.00	3.04	-3.12	-430.29	1834.06
		1834.06	-430.29	-0.12	0.0	165.0	63.97	-2.00	3.04	-3.12	-278.11	1960.70
27	8	-58.43	75.78	0.04	0.0	0.0	-1.77	0.20	-0.89	-0.74	75.78	-91.28
		-91.28	-71.44	-0.04	0.0	165.0	-1.77	0.20	-0.89	-0.74	-71.44	-58.43
27	9	-58.43	75.78	0.04	0.0	0.0	-1.77	0.20	-0.89	-0.74	75.78	-91.28
		-91.28	-71.44	-0.04	0.0	165.0	-1.77	0.20	-0.89	-0.74	-71.44	-58.43
27	10	482.05	-150.66	-0.04	0.0	0.0	18.28	1.08	-1.60	1.26	-165.87	400.43
		400.43	-165.87	0.04	0.0	165.0	18.28	1.08	-1.60	1.26	-150.66	482.05
27	11	724.49	-95.56	0.03	0.0	0.0	20.57	-0.73	1.05	-1.01	-151.38	676.05
		676.05	-151.38	-0.04	0.0	165.0	20.57	-0.73	1.05	-1.01	-95.56	724.49
27	12	0.26	0.37	-1.01e-05	0.0	0.0	1.94	-1.16e-03	4.69e-03	-0.01	-0.41	0.26
		0.07	-0.41	7.08e-05	0.0	165.0	1.94	-1.16e-03	4.69e-03	-0.01	0.37	0.07
27	13	-4794.58	203.49	-0.03	0.0	0.0	158.68	-1.04	-2.40	-0.05	203.49	-4794.58
		-4966.11	-192.02	0.06	0.0	165.0	158.68	-1.04	-2.40	-0.05	-192.02	-4966.11
28	1	1171.55	478.85	0.03	-16.62	0.0	0.45	-10.75	3.19	1.29	-338.90	1171.55
		-1972.82	-338.90	-0.06	3.53	165.0	0.45	-27.37	6.72	1.29	478.85	-1972.82
28	2	2244.60	1134.65	0.05	0.0	0.0	3.06	-31.00	13.10	12.98	-1026.99	2244.60
		-2870.08	-1026.99	-0.16	0.0	165.0	3.06	-31.00	13.10	12.98	1134.65	-2870.08
28	3	4390.91	2219.61	0.10	0.0	0.0	6.00	-60.64	25.63	25.40	-2009.02	4390.91
		-5614.48	-2009.02	-0.31	0.0	165.0	6.00	-60.64	25.63	25.40	2219.61	-5614.48
28	4	-27.65	218.12	0.12	0.0	0.0	7.10	0.94	-4.21	-2.20	218.12	-182.82
		-182.82	-483.00	-0.14	0.0	165.0	7.10	0.94	-4.21	-2.20	-483.00	-27.65
28	5	-27.65	218.12	0.12	0.0	0.0	7.10	0.94	-4.21	-2.20	218.12	-182.82
		-182.82	-483.00	-0.14	0.0	165.0	7.10	0.94	-4.21	-2.20	-483.00	-27.65
28	6	1406.81	852.63	-0.11	0.0	0.0	57.49	14.15	9.29	3.61	-693.22	1319.23
		1319.23	-693.22	0.07	0.0	165.0	57.49	14.15	9.29	3.61	852.63	1406.81
28	7	1961.13	947.55	0.11	0.0	0.0	59.93	16.22	10.50	-3.34	-788.94	1961.13
		1411.59	-788.94	-0.19	0.0	165.0	59.93	16.22	10.50	-3.34	947.55	1411.59
28	8	-8.87	69.37	0.04	0.0	0.0	2.26	0.30	-1.34	-0.70	69.37	-58.60
		-58.60	-153.60	-0.04	0.0	165.0	2.26	0.30	-1.34	-0.70	-153.60	-8.87
28	9	-8.87	69.37	0.04	0.0	0.0	2.26	0.30	-1.34	-0.70	69.37	-58.60
		-58.60	-153.60	-0.04	0.0	165.0	2.26	0.30	-1.34	-0.70	-153.60	-8.87
28	10	520.77	317.05	-0.04	0.0	0.0	18.41	5.31	3.46	1.21	-256.94	481.88
		481.88	-256.94	0.02	0.0	165.0	18.41	5.31	3.46	1.21	317.05	520.77
28	11	724.63	331.69	0.04	0.0	0.0	19.17	6.08	3.68	-1.09	-277.15	724.63
		522.23	-277.15	-0.06	0.0	165.0	19.17	6.08	3.68	-1.09	331.69	522.23
28	12	0.20	-0.16	-5.01e-06	0.0	0.0	1.93	7.84e-04	1.48e-04	-0.01	-0.19	0.08
		0.08	-0.19	5.56e-05	0.0	165.0	1.93	7.84e-04	1.48e-04	-0.01	-0.16	0.20
28	13	7660.56	203.08	-0.15	0.0	0.0	162.43	76.50	-3.78	-32.19	203.08	-4961.63
		-4961.63	-421.25	0.05	0.0	165.0	162.43	76.50	-3.78	-32.19	-421.25	7660.56
29	1	-1973.05	294.29	2.17e-03	-3.32	0.0	-1.35	-29.76	-3.48	4.99	294.29	-1973.05
		-3010.01	191.06	-2.10e-03	0.71	33.0	-1.35	-33.08	-2.77	4.99	191.06	-3010.01
29	2	-2871.21	684.33	3.14e-03	0.0	0.0	-1.88	-45.09	1.70	30.16	628.26	-2871.21
		-4359.22	628.26	-6.21e-03	0.0	33.0	-1.88	-45.09	1.70	30.16	684.33	-4359.22
29	3	-5616.70	1338.69	6.15e-03	0.0	0.0	-3.68	-88.21	3.32	59.00	1229.02	-5616.70
		-8527.56	1229.02	-0.01	0.0	33.0	-3.68	-88.21	3.32	59.00	1338.69	-8527.56
29	4	7.47	876.99	0.02	0.0	0.0	7.40	0.98	43.90	2.03	-604.64	-28.06
		-28.06	-604.64	-0.03	0.0	33.0	7.40	0.98	43.90	2.03	876.99	7.47
29	5	7.47	876.99	0.02	0.0	0.0	7.40	0.98	43.90	2.03	-604.64	-28.06
		-28.06	-604.64	-0.03	0.0	33.0	7.40	0.98	43.90	2.03	876.99	7.47
29	6	2058.48	659.43	-0.02	0.0	0.0	56.63	22.16	12.82	3.43	456.94	1407.08
		1407.08	456.94	0.02	0.0	33.0	56.63	22.16	12.82	3.43	659.43	2058.48
29	7	2062.48	647.12	0.02	0.0	0.0	57.16	24.56	8.13	-3.90	511.99	1411.44
		1411.44	511.99	-0.02	0.0	33.0	57.16	24.56	8.13	-3.90	647.12	2062.48
29	8	2.38	278.85	7.93e-03	0.0	0.0	2.35	0.31	13.96	0.65	-192.26	-9.00
		-9.00	-192.26	-0.01	0.0	33.0	2.35	0.31	13.96	0.65	278.85	2.38
29	9	2.38	278.85	7.93e-03	0.0	0.0	2.35	0.31	13.96	0.65	-192.26	-9.00
		-9.00	-192.26	-0.01	0.0	33.0	2.35	0.31	13.96	0.65	278.85	2.38
29	10	769.13	239.28	-7.20e-03	0.0	0.0	18.07	8.32	4.18	1.13	168.61	520.87
		520.87	168.61	5.12e-03	0.0	33.0	18.07	8.32	4.18	1.13	239.28	769.13
29	11	770.42	231.98	7.37e-03	0.0	0.0	18.23	9.21	2.82	-1.32	177.29	522.18
		522.18	177.29	-7.13e-03	0.0	33.0	18.23	9.21	2.82	-1.32	231.98	770.42
29	12	0.22	-0.13	0.0	0.0	0.0	1.93	4.41e-04	3.16e-03	-1.60e-03	-0.24	0.21
		0.21	-0.24	1.44e-06	0.0	33.0	1.93	4.41e-04	3.16e-03	-1.60e-03	-0.13	0.22
29	13	1.134e+04	419.96	-8.18e-03	0.0	0.0	162.36	111.36	25.63	-74.32	-425.96	7663.61
		7663.61	-425.96	-1.35e-03	0.0	33.0	162.36	111.36	25.63	-74.32	419.96	1.134e+04
30	1	-2002.31	301.47	-2.04e-03	-3.22	0.0	-1.36	33.10	3.11	-5.11	190.95	-3010.02
		-3010.02	190.95	1.94e-03	0.69	32.0	-1.36	29.88	3.80	-5.11	301.47	-2002.31
30	2	-2911.17	685.93	-2.98e-03	0.0	0.0	-1.88	45.25	-1.25	-30.96	685.93	-4359.22

		-4359.22	646.01	5.82e-03	0.0	32.0	-1.88	45.25	-1.25	-30.96	646.01	-2911.17
30	3	-5694.86	1341.82	-5.82e-03	0.0	0.0	-3.67	88.52	-2.44	-60.56	1341.82	-8527.56
		-8527.56	1263.73	0.01	0.0	32.0	-3.67	88.52	-2.44	-60.56	1263.73	-5694.86
30	4	27.73	600.78	0.02	0.0	0.0	-7.48	0.98	45.13	2.03	-877.00	-7.11
		-7.11	-877.00	-0.03	0.0	32.0	-7.48	0.98	45.13	2.03	600.78	27.73
30	5	27.73	600.78	0.02	0.0	0.0	-7.48	0.98	45.13	2.03	-877.00	-7.11
		-7.11	-877.00	-0.03	0.0	32.0	-7.48	0.98	45.13	2.03	600.78	27.73
30	6	2063.34	650.12	-0.02	0.0	0.0	57.24	-24.63	-8.23	3.91	650.12	2063.34
		1428.44	524.29	0.02	0.0	32.0	57.24	-24.63	-8.23	3.91	524.29	1428.44
30	7	2057.51	661.73	0.02	0.0	0.0	56.56	-22.25	-13.08	-3.44	661.73	2057.51
		1422.52	465.72	-0.02	0.0	32.0	56.56	-22.25	-13.08	-3.44	465.72	1422.52
30	8	8.90	191.03	6.81e-03	0.0	0.0	-2.38	0.31	14.35	0.65	-278.85	-2.26
		-2.26	-278.85	-9.40e-03	0.0	32.0	-2.38	0.31	14.35	0.65	191.03	8.90
30	9	8.90	191.03	6.81e-03	0.0	0.0	-2.38	0.31	14.35	0.65	-278.85	-2.26
		-2.26	-278.85	-9.40e-03	0.0	32.0	-2.38	0.31	14.35	0.65	191.03	8.90
30	10	770.73	233.09	-7.13e-03	0.0	0.0	18.26	-9.24	-2.85	1.32	233.09	770.73
		528.71	181.60	6.87e-03	0.0	32.0	18.26	-9.24	-2.85	1.32	181.60	528.71
30	11	768.77	240.08	6.99e-03	0.0	0.0	18.05	-8.35	-4.26	-1.14	240.08	768.77
		526.80	171.94	-5.00e-03	0.0	32.0	18.05	-8.35	-4.26	-1.14	171.94	526.80
30	12	0.22	-0.10	0.0	0.0	0.0	1.93	-4.37e-04	-4.50e-03	1.47e-03	-0.10	0.22
		0.21	-0.24	-1.39e-06	0.0	32.0	1.93	-4.37e-04	-4.50e-03	1.47e-03	-0.24	0.21
30	13	1.134e+04	424.39	7.84e-03	0.0	0.0	162.41	-111.75	-26.60	76.27	424.39	1.134e+04
		7762.44	-426.70	1.16e-03	0.0	32.0	162.41	-111.75	-26.60	76.27	-426.70	7762.44
31	1	1161.77	483.27	-0.03	-16.62	0.0	0.41	27.48	-6.76	-1.28	483.27	-2002.10
		-2002.10	-340.01	0.06	3.53	165.0	0.41	10.87	-3.22	-1.28	-340.01	1161.77
31	2	2230.93	1144.88	-0.05	0.0	0.0	3.00	31.16	-13.18	-12.98	1144.88	-2910.07
		-2910.07	-1029.35	0.16	0.0	165.0	3.00	31.16	-13.18	-12.98	-1029.35	2230.93
31	3	4364.17	2239.62	-0.10	0.0	0.0	5.86	60.95	-25.78	-25.40	2239.62	-5692.71
		-5692.71	-2013.63	0.31	0.0	165.0	5.86	60.95	-25.78	-25.40	-2013.63	4364.17
31	4	182.66	480.22	0.12	0.0	0.0	-7.18	0.95	-4.18	-2.20	480.22	27.32
		27.32	-216.45	-0.14	0.0	165.0	-7.18	0.95	-4.18	-2.20	-216.45	182.66
31	5	182.66	480.22	0.12	0.0	0.0	-7.18	0.95	-4.18	-2.20	480.22	27.32
		27.32	-216.45	-0.14	0.0	165.0	-7.18	0.95	-4.18	-2.20	-216.45	182.66
31	6	1957.08	953.38	-0.11	0.0	0.0	59.99	-16.32	-10.54	3.33	953.38	1428.59
		1428.59	-789.26	0.19	0.0	165.0	59.99	-16.32	-10.54	3.33	-789.26	1957.08
31	7	1422.24	855.16	0.11	0.0	0.0	57.42	-14.23	-9.29	-3.62	855.16	1422.24
		1316.10	-691.46	-0.07	0.0	165.0	57.42	-14.23	-9.29	-3.62	-691.46	1316.10
31	8	58.55	152.72	0.04	0.0	0.0	-2.29	0.30	-1.33	-0.70	152.72	8.77
		8.77	-68.84	-0.04	0.0	165.0	-2.29	0.30	-1.33	-0.70	-68.84	58.55
31	9	58.55	152.72	0.04	0.0	0.0	-2.29	0.30	-1.33	-0.70	152.72	8.77
		8.77	-68.84	-0.04	0.0	165.0	-2.29	0.30	-1.33	-0.70	-68.84	58.55
31	10	723.10	333.69	-0.04	0.0	0.0	19.19	-6.12	-3.70	1.09	333.69	528.76
		528.76	-277.20	0.06	0.0	165.0	19.19	-6.12	-3.70	1.09	-277.20	723.10
31	11	526.71	317.95	0.04	0.0	0.0	18.38	-5.34	-3.46	-1.21	317.95	526.71
		480.70	-256.21	-0.02	0.0	165.0	18.38	-5.34	-3.46	-1.21	-256.21	480.70
31	12	0.21	-0.16	5.01e-06	0.0	0.0	1.93	-7.86e-04	-1.30e-04	0.01	-0.16	0.21
		0.08	-0.18	-5.54e-05	0.0	165.0	1.93	-7.86e-04	-1.30e-04	0.01	-0.18	0.08
31	13	7759.47	201.60	0.15	0.0	0.0	162.51	-76.89	3.77	32.18	-419.92	7759.47
		-4927.25	-419.92	-0.05	0.0	165.0	162.51	-76.89	3.77	32.18	201.60	-4927.25
32	1	1498.96	-88.43	-6.98e-03	-16.62	0.0	2.77	8.24	-1.79	-0.12	-88.43	1162.12
		1150.34	-163.34	8.96e-03	3.53	165.0	2.77	-8.38	1.74	-0.12	-92.55	1150.34
32	2	2232.73	-362.55	-9.94e-03	0.0	0.0	9.22	-0.09	-0.07	-0.37	-362.55	2232.73
		2218.63	-374.25	0.02	0.0	165.0	9.22	-0.09	-0.07	-0.37	-374.25	2218.63
32	3	4367.69	-709.22	-0.02	0.0	0.0	18.05	-0.17	-0.14	-0.73	-709.22	4367.69
		4340.11	-732.11	0.04	0.0	165.0	18.05	-0.17	-0.14	-0.73	-732.11	4340.11
32	4	284.85	225.28	0.12	0.0	0.0	5.57	0.63	-2.80	-2.32	225.28	182.11
		182.11	-237.60	-0.13	0.0	165.0	5.57	0.63	-2.80	-2.32	-237.60	284.85
32	5	284.85	225.28	0.12	0.0	0.0	5.57	0.63	-2.80	-2.32	225.28	182.11
		182.11	-237.60	-0.13	0.0	165.0	5.57	0.63	-2.80	-2.32	-237.60	284.85
32	6	1956.65	-276.42	-0.10	0.0	0.0	64.06	1.95	-3.06	3.11	-276.42	1956.65
		1842.53	-432.90	0.12	0.0	165.0	64.06	1.95	-3.06	3.11	-432.90	1842.53
32	7	1316.63	-453.45	0.12	0.0	0.0	56.49	-2.88	4.63	-3.75	-453.45	1316.63
		1104.43	-454.02	-0.14	0.0	165.0	56.49	-2.88	4.63	-3.75	-454.02	1104.43
32	8	91.29	71.66	0.04	0.0	0.0	1.77	0.20	-0.89	-0.74	71.66	58.38
		58.38	-75.56	-0.04	0.0	165.0	1.77	0.20	-0.89	-0.74	-75.56	91.29
32	9	91.29	71.66	0.04	0.0	0.0	1.77	0.20	-0.89	-0.74	71.66	58.38
		58.38	-75.56	-0.04	0.0	165.0	1.77	0.20	-0.89	-0.74	-75.56	91.29
32	10	722.96	-94.97	-0.03	0.0	0.0	20.60	0.72	-1.06	1.01	-94.97	722.96
		679.24	-152.33	0.04	0.0	165.0	20.60	0.72	-1.06	1.01	-152.33	679.24
32	11	480.88	-150.12	0.04	0.0	0.0	18.26	-1.07	1.60	-1.26	-150.12	480.88
		403.32	-166.59	-0.04	0.0	165.0	18.26	-1.07	1.60	-1.26	-166.59	403.32
32	12	0.26	0.37	1.01e-05	0.0	0.0	1.94	1.14e-03	-4.77e-03	0.01	0.37	0.07
		0.07	-0.41	-7.08e-05	0.0	165.0	1.94	1.14e-03	-4.77e-03	0.01	-0.41	0.26
32	13	-4827.50	203.56	0.04	0.0	0.0	158.77	0.63	2.40	0.18	-192.33	-4931.77
		-4931.77	-192.33	-0.06	0.0	165.0	158.77	0.63	2.40	0.18	203.56	-4827.50
33	1	1150.06	475.53	0.04	-16.62	0.0	0.48	-11.03	3.16	1.31	-337.15	1150.06

		-2040.62	-337.15	-0.06	3.53	165.0	0.48	-27.65	6.69	1.31	475.53	-2040.62
33	2	2217.08	1122.31	0.06	0.0	0.0	3.19	-31.39	12.99	12.95	-1020.26	2217.08
		-2962.36	-1020.26	-0.16	0.0	165.0	3.19	-31.39	12.99	12.95	1122.31	-2962.36
33	3	4337.07	2195.47	0.11	0.0	0.0	6.25	-61.41	25.40	25.34	-1995.85	4337.07
		-5795.00	-1995.85	-0.30	0.0	165.0	6.25	-61.41	25.40	25.34	2195.47	-5795.00
33	4	304.79	188.03	0.11	0.0	0.0	11.44	0.31	-3.96	-2.07	188.03	284.44
		284.44	-466.58	-0.12	0.0	165.0	11.44	0.31	-3.96	-2.07	-466.58	304.79
33	5	304.79	188.03	0.11	0.0	0.0	11.44	0.31	-3.96	-2.07	188.03	284.44
		284.44	-466.58	-0.12	0.0	165.0	11.44	0.31	-3.96	-2.07	-466.58	304.79
33	6	1842.27	731.63	-0.08	0.0	0.0	61.96	18.02	8.61	3.00	-697.24	1842.27
		1676.97	-697.24	0.04	0.0	165.0	61.96	18.02	8.61	3.00	731.63	1676.97
33	7	1743.72	943.09	0.12	0.0	0.0	50.46	16.07	10.32	-3.73	-770.22	1104.75
		1104.75	-770.22	-0.19	0.0	165.0	50.46	16.07	10.32	-3.73	943.09	1743.72
33	8	97.67	59.87	0.04	0.0	0.0	3.64	0.10	-1.26	-0.66	59.87	91.16
		91.16	-148.43	-0.04	0.0	165.0	3.64	0.10	-1.26	-0.66	-148.43	97.67
33	9	97.67	59.87	0.04	0.0	0.0	3.64	0.10	-1.26	-0.66	59.87	91.16
		91.16	-148.43	-0.04	0.0	165.0	3.64	0.10	-1.26	-0.66	-148.43	97.67
33	10	679.15	257.18	-0.03	0.0	0.0	19.90	6.78	3.03	0.97	-245.92	679.15
		630.79	-245.92	0.01	0.0	165.0	19.90	6.78	3.03	0.97	257.18	630.79
33	11	656.22	316.36	0.04	0.0	0.0	16.38	6.03	3.50	-1.24	-264.88	403.41
		403.41	-264.88	-0.06	0.0	165.0	16.38	6.03	3.50	-1.24	316.36	656.22
33	12	1.09	0.90	2.49e-05	0.0	0.0	1.95	5.05e-03	-0.01	-0.02	0.90	0.26
		0.26	-1.06	-4.80e-05	0.0	165.0	1.95	5.05e-03	-0.01	-0.02	-1.06	1.09
33	13	8097.97	211.03	-0.08	0.0	0.0	155.31	78.31	2.25	-33.66	-160.91	-4822.74
		-4822.74	-160.91	-0.06	0.0	165.0	155.31	78.31	2.25	-33.66	211.03	8097.97
34	1	-2040.98	291.68	2.07e-03	-3.32	0.0	-1.31	-30.06	-3.43	5.42	291.68	-2040.98
		-3087.84	190.03	-2.10e-03	0.71	33.0	-1.31	-33.38	-2.73	5.42	190.03	-3087.84
34	2	-2963.79	679.24	3.76e-03	0.0	0.0	-1.72	-45.55	1.81	31.23	619.52	-2963.79
		-4466.94	619.52	-6.20e-03	0.0	33.0	-1.72	-45.55	1.81	31.23	679.24	-4466.94
34	3	-5797.81	1328.73	7.36e-03	0.0	0.0	-3.36	-89.10	3.54	61.10	1211.92	-5797.81
		-8738.27	1211.92	-0.01	0.0	33.0	-3.36	-89.10	3.54	61.10	1328.73	-8738.27
34	4	304.63	843.88	0.02	0.0	0.0	12.56	0.55	43.54	1.80	-609.82	304.63
		299.27	-609.82	-0.03	0.0	33.0	12.56	0.55	43.54	1.80	843.88	299.27
34	5	304.63	843.88	0.02	0.0	0.0	12.56	0.55	43.54	1.80	-609.82	304.63
		299.27	-609.82	-0.03	0.0	33.0	12.56	0.55	43.54	1.80	843.88	299.27
34	6	2459.83	680.17	-0.02	0.0	0.0	59.26	26.81	13.88	3.15	356.82	1677.19
		1677.19	356.82	0.02	0.0	33.0	59.26	26.81	13.88	3.15	680.17	2459.83
34	7	2480.89	608.61	0.02	0.0	0.0	46.83	23.36	8.57	-3.84	510.79	1743.32
		1743.32	510.79	-0.02	0.0	33.0	46.83	23.36	8.57	-3.84	608.61	2480.89
34	8	97.62	268.30	7.05e-03	0.0	0.0	4.00	0.18	13.84	0.57	-193.92	97.62
		95.90	-193.92	-8.99e-03	0.0	33.0	4.00	0.18	13.84	0.57	268.30	95.90
34	9	97.62	268.30	7.05e-03	0.0	0.0	4.00	0.18	13.84	0.57	-193.92	97.62
		95.90	-193.92	-8.99e-03	0.0	33.0	4.00	0.18	13.84	0.57	268.30	95.90
34	10	928.00	233.04	-5.10e-03	0.0	0.0	18.99	10.08	4.52	1.04	126.25	630.88
		630.88	126.25	5.28e-03	0.0	33.0	18.99	10.08	4.52	1.04	233.04	928.00
34	11	934.04	210.61	6.84e-03	0.0	0.0	15.20	8.77	2.95	-1.28	169.62	656.08
		656.08	169.62	-5.89e-03	0.0	33.0	15.20	8.77	2.95	-1.28	210.61	934.04
34	12	1.32	2.26	9.24e-06	0.0	0.0	1.99	6.44e-03	-0.13	-0.05	2.26	1.10
		1.10	-1.89	-2.01e-05	0.0	33.0	1.99	6.44e-03	-0.13	-0.05	-1.89	1.32
34	13	1.184e+04	726.61	7.90e-03	0.0	0.0	152.41	113.32	24.47	-78.61	-80.87	8102.61
		8102.61	-80.87	-5.62e-03	0.0	33.0	152.41	113.32	24.47	-78.61	726.61	1.184e+04
35	1	-2087.98	286.13	-2.26e-03	-3.22	0.0	-1.44	32.95	3.11	-4.59	175.53	-3090.79
		-3090.79	175.53	1.79e-03	0.69	32.0	-1.44	29.73	3.80	-4.59	286.13	-2087.98
35	2	-3052.40	645.16	-2.56e-03	0.0	0.0	-2.02	44.43	-1.30	-29.67	645.16	-4474.08
		-4474.08	603.54	5.41e-03	0.0	32.0	-2.02	44.43	-1.30	-29.67	603.54	-3052.40
35	3	-5971.14	1262.07	-5.00e-03	0.0	0.0	-3.95	86.91	-2.54	-58.05	1262.07	-8752.25
		-8752.25	1180.66	0.01	0.0	32.0	-3.95	86.91	-2.54	-58.05	1180.66	-5971.14
35	4	311.26	556.15	0.02	0.0	0.0	-11.39	1.45	45.71	1.82	-921.30	298.10
		298.10	-921.30	-0.03	0.0	32.0	-11.39	1.45	45.71	1.82	556.15	311.26
35	5	311.26	556.15	0.02	0.0	0.0	-11.39	1.45	45.71	1.82	-921.30	298.10
		298.10	-921.30	-0.03	0.0	32.0	-11.39	1.45	45.71	1.82	556.15	311.26
35	6	2462.87	699.74	-0.02	0.0	0.0	56.77	-27.95	-9.24	3.46	699.74	2462.87
		1631.58	508.75	0.02	0.0	32.0	56.77	-27.95	-9.24	3.46	508.75	1631.58
35	7	2475.71	531.53	0.02	0.0	0.0	44.35	-24.60	-12.52	-3.70	531.53	2475.71
		1768.69	381.66	-0.01	0.0	32.0	44.35	-24.60	-12.52	-3.70	381.66	1768.69
35	8	99.64	176.95	6.80e-03	0.0	0.0	-3.63	0.46	14.53	0.58	-292.93	95.53
		95.53	-292.93	-8.98e-03	0.0	32.0	-3.63	0.46	14.53	0.58	176.95	99.64
35	9	99.64	176.95	6.80e-03	0.0	0.0	-3.63	0.46	14.53	0.58	-292.93	95.53
		95.53	-292.93	-8.98e-03	0.0	32.0	-3.63	0.46	14.53	0.58	176.95	99.64
35	10	929.06	255.82	-5.07e-03	0.0	0.0	18.29	-10.48	-3.28	1.17	255.82	929.06
		614.12	180.64	7.19e-03	0.0	32.0	18.29	-10.48	-3.28	1.17	180.64	614.12
35	11	932.38	191.49	6.32e-03	0.0	0.0	14.47	-9.24	-4.11	-1.23	191.49	932.38
		665.70	135.05	-3.89e-03	0.0	32.0	14.47	-9.24	-4.11	-1.23	135.05	665.70
35	12	1.81	1.77	1.13e-05	0.0	0.0	1.68	4.95e-03	-0.13	-0.05	1.77	1.65
		1.65	-2.32	-2.05e-05	0.0	32.0	1.68	4.95e-03	-0.13	-0.05	-2.32	1.81
35	13	1.187e+04	133.61	0.02	0.0	0.0	147.91	-109.67	-26.81	71.38	133.61	1.187e+04

		8362.49	-724.26	-2.66e-03	0.0	32.0	147.91	-109.67	-26.81	71.38	-724.26	8362.49
36	1	1051.23	455.63	-0.04	-16.62	0.0	0.21	27.33	-6.49	-0.43	455.63	-2088.02
		-2088.02	-324.12	0.05	3.53	165.0	0.21	10.72	-2.96	-0.43	-324.12	1051.23
36	2	1953.05	1069.25	-0.06	0.0	0.0	2.53	30.33	-12.46	-10.81	1069.25	-3051.94
		-3051.94	-985.98	0.14	0.0	165.0	2.53	30.33	-12.46	-10.81	-985.98	1953.05
36	3	3820.57	2091.67	-0.11	0.0	0.0	4.95	59.34	-24.37	-21.14	2091.67	-5970.24
		-5970.24	-1928.78	0.28	0.0	165.0	4.95	59.34	-24.37	-21.14	-1928.78	3820.57
36	4	384.57	369.35	0.11	0.0	0.0	-11.65	1.10	-3.07	-1.95	369.35	311.13
		311.13	-152.88	-0.13	0.0	165.0	-11.65	1.10	-3.07	-1.95	-152.88	384.57
36	5	384.57	369.35	0.11	0.0	0.0	-11.65	1.10	-3.07	-1.95	369.35	311.13
		311.13	-152.88	-0.13	0.0	165.0	-11.65	1.10	-3.07	-1.95	-152.88	384.57
36	6	1838.12	960.08	-0.08	0.0	0.0	58.71	-19.25	-11.03	3.03	960.08	1631.68
		1631.68	-870.41	0.16	0.0	165.0	58.71	-19.25	-11.03	3.03	-870.41	1838.12
36	7	1768.28	692.67	0.10	0.0	0.0	44.44	-17.14	-7.67	-3.37	692.67	1768.28
		1566.12	-595.90	-0.07	0.0	165.0	44.44	-17.14	-7.67	-3.37	-595.90	1566.12
36	8	122.56	117.90	0.03	0.0	0.0	-3.71	0.35	-0.98	-0.62	117.90	99.60
		99.60	-48.89	-0.04	0.0	165.0	-3.71	0.35	-0.98	-0.62	-48.89	122.56
36	9	122.56	117.90	0.03	0.0	0.0	-3.71	0.35	-0.98	-0.62	117.90	99.60
		99.60	-48.89	-0.04	0.0	165.0	-3.71	0.35	-0.98	-0.62	-48.89	122.56
36	10	670.60	344.70	-0.02	0.0	0.0	19.03	-7.21	-3.98	1.00	344.70	614.16
		614.16	-314.79	0.05	0.0	165.0	19.03	-7.21	-3.98	1.00	-314.79	670.60
36	11	665.57	249.42	0.03	0.0	0.0	14.60	-6.44	-2.80	-1.09	249.42	665.57
		581.81	-220.30	-0.02	0.0	165.0	14.60	-6.44	-2.80	-1.09	-220.30	581.81
36	12	2.37	1.33	1.06e-04	0.0	0.0	1.72	3.35e-03	-0.02	-0.01	1.33	1.82
		1.82	-1.57	-6.42e-05	0.0	165.0	1.72	3.35e-03	-0.02	-0.01	-1.57	2.37
36	13	8361.99	520.76	0.25	0.0	0.0	145.48	-74.83	9.06	24.97	-973.73	8361.99
		-3984.61	-973.73	-0.14	0.0	165.0	145.48	-74.83	9.06	24.97	520.76	-3984.61
37	1	1385.28	-75.37	-0.01	-16.62	0.0	2.24	8.20	-1.58	0.59	-105.67	1051.21
		1033.90	-164.13	6.41e-03	3.53	165.0	2.24	-8.41	1.95	0.59	-75.37	1033.90
37	2	1953.91	-327.30	-0.02	0.0	0.0	7.90	-0.59	0.50	1.36	-409.63	1953.91
		1856.78	-409.63	0.02	0.0	165.0	7.90	-0.59	0.50	1.36	-327.30	1856.78
37	3	3822.26	-640.27	-0.03	0.0	0.0	15.45	-1.15	0.98	2.66	-801.33	3822.26
		3632.26	-801.33	0.03	0.0	165.0	15.45	-1.15	0.98	2.66	-640.27	3632.26
37	4	384.17	185.75	0.10	0.0	0.0	10.92	0.62	-2.07	-2.07	185.75	384.17
		370.22	-164.18	-0.11	0.0	165.0	10.92	0.62	-2.07	-2.07	-164.18	370.22
37	5	384.17	185.75	0.10	0.0	0.0	10.92	0.62	-2.07	-2.07	185.75	384.17
		370.22	-164.18	-0.11	0.0	165.0	10.92	0.62	-2.07	-2.07	-164.18	370.22
37	6	2139.76	-399.87	-0.05	0.0	0.0	59.48	3.00	4.33	2.83	-570.51	1837.85
		1837.85	-570.51	0.06	0.0	165.0	59.48	3.00	4.33	2.83	-399.87	2139.76
37	7	1814.14	368.28	0.10	0.0	0.0	41.36	-3.39	5.09	-3.20	-576.42	1566.02
		1566.02	-576.42	-0.14	0.0	165.0	41.36	-3.39	5.09	-3.20	368.28	1814.14
37	8	122.44	59.56	0.03	0.0	0.0	3.47	0.20	-0.66	-0.66	59.56	122.44
		117.83	-52.70	-0.03	0.0	165.0	3.47	0.20	-0.66	-0.66	-52.70	117.83
37	9	122.44	59.56	0.03	0.0	0.0	3.47	0.20	-0.66	-0.66	59.56	122.44
		117.83	-52.70	-0.03	0.0	165.0	3.47	0.20	-0.66	-0.66	-52.70	117.83
37	10	780.89	-138.89	-0.02	0.0	0.0	19.46	1.10	1.42	0.95	-193.85	670.52
		670.52	-193.85	0.02	0.0	165.0	19.46	1.10	1.42	0.95	-138.89	780.89
37	11	674.71	125.89	0.03	0.0	0.0	13.76	-1.27	1.71	-1.03	-197.97	581.77
		581.77	-197.97	-0.05	0.0	165.0	13.76	-1.27	1.71	-1.03	125.89	674.71
37	12	2.37	1.41	1.99e-04	0.0	0.0	1.75	-1.14e-04	-0.02	0.01	1.41	2.37
		2.35	-1.43	-9.60e-05	0.0	165.0	1.75	-1.14e-04	-0.02	0.01	-1.43	2.35
37	13	-3679.85	553.63	0.17	0.0	0.0	135.38	1.85	6.64	-6.09	-542.32	-3985.72
		-3985.72	-542.32	-0.18	0.0	165.0	135.38	1.85	6.64	-6.09	553.63	-3679.85
38	1	1033.49	504.94	0.02	-16.62	0.0	-0.36	-10.84	3.44	0.91	-353.27	1033.49
		-2126.04	-353.27	-0.06	3.53	165.0	-0.36	-27.46	6.97	0.91	504.94	-2126.04
38	2	1854.99	1202.05	0.03	0.0	0.0	1.00	-31.28	13.73	11.55	-1064.15	1854.99
		-3306.64	-1064.15	-0.17	0.0	165.0	1.00	-31.28	13.73	11.55	1202.05	-3306.64
38	3	3628.75	2351.47	0.06	0.0	0.0	1.96	-61.20	26.87	22.58	-2081.70	3628.75
		-6468.48	-2081.70	-0.33	0.0	165.0	1.96	-61.20	26.87	22.58	2351.47	-6468.48
38	4	369.81	209.12	0.09	0.0	0.0	13.40	1.06	-3.93	-1.83	209.12	369.81
		239.68	-447.02	-0.10	0.0	165.0	13.40	1.06	-3.93	-1.83	-447.02	239.68
38	5	369.81	209.12	0.09	0.0	0.0	13.40	1.06	-3.93	-1.83	209.12	369.81
		239.68	-447.02	-0.10	0.0	165.0	13.40	1.06	-3.93	-1.83	-447.02	239.68
38	6	2139.69	1287.84	-0.02	0.0	0.0	51.81	15.67	14.38	-2.60	-1089.89	2139.69
		1097.12	-1089.89	-0.04	0.0	165.0	51.81	15.67	14.38	-2.60	1287.84	1097.12
38	7	1814.34	1125.97	0.11	0.0	0.0	33.10	13.02	12.02	-3.27	-862.55	1814.34
		777.03	-862.55	-0.18	0.0	165.0	33.10	13.02	12.02	-3.27	1125.97	777.03
38	8	117.70	66.82	0.03	0.0	0.0	4.26	0.34	-1.26	-0.58	66.82	117.70
		76.46	-142.63	-0.03	0.0	165.0	4.26	0.34	-1.26	-0.58	-142.63	76.46
38	9	117.70	66.82	0.03	0.0	0.0	4.26	0.34	-1.26	-0.58	66.82	117.70
		76.46	-142.63	-0.03	0.0	165.0	4.26	0.34	-1.26	-0.58	-142.63	76.46
38	10	780.88	446.97	-7.27e-03	0.0	0.0	16.90	5.89	5.01	-0.88	-381.79	780.88
		395.73	-381.79	-0.01	0.0	165.0	16.90	5.89	5.01	-0.88	446.97	395.73
38	11	674.78	390.90	0.03	0.0	0.0	11.03	4.89	4.20	-1.06	-304.39	674.78
		283.09	-304.39	-0.06	0.0	165.0	11.03	4.89	4.20	-1.06	390.90	283.09
38	12	2.35	2.19	2.93e-04	0.0	0.0	1.78	-1.71e-03	-0.03	-2.12e-03	2.19	2.35

		2.06	-2.47	-6.08e-05	0.0	165.0	1.78	-1.71e-03	-0.03	-2.12e-03	-2.47	2.06
38	13	9188.83	753.59	0.11	0.0	0.0	125.57	77.95	7.48	-32.26	-480.64	-3673.33
		-3673.33	-480.64	-0.15	0.0	165.0	125.57	77.95	7.48	-32.26	753.59	9188.83
39	1	-2125.85	311.94	-8.35e-04	-3.32	0.0	-2.24	-29.69	-3.71	3.65	311.94	-2125.85
		-3160.60	201.12	-2.16e-03	0.71	33.0	-2.24	-33.02	-3.00	3.65	201.12	-3160.60
39	2	-3306.46	711.10	-3.39e-03	0.0	0.0	-4.16	-45.02	1.14	26.06	673.42	-3306.46
		-4792.11	673.42	-6.41e-03	0.0	33.0	-4.16	-45.02	1.14	26.06	711.10	-4792.11
39	3	-6468.13	1391.06	-6.62e-03	0.0	0.0	-8.14	-88.07	2.23	50.97	1317.36	-6468.13
		-9374.39	1317.36	-0.01	0.0	33.0	-8.14	-88.07	2.23	50.97	1391.06	-9374.39
39	4	239.41	847.44	0.02	0.0	0.0	13.49	1.51	43.35	-1.53	-599.55	239.41
		206.45	-599.55	-0.03	0.0	33.0	13.49	1.51	43.35	-1.53	847.44	206.45
39	5	239.41	847.44	0.02	0.0	0.0	13.49	1.51	43.35	-1.53	-599.55	239.41
		206.45	-599.55	-0.03	0.0	33.0	13.49	1.51	43.35	-1.53	847.44	206.45
39	6	1667.07	1029.40	-1.04e-03	0.0	0.0	46.37	24.14	15.34	3.43	620.64	1096.49
		1096.49	620.64	0.02	0.0	33.0	46.37	24.14	15.34	3.43	1029.40	1667.07
39	7	1264.64	727.82	0.02	0.0	0.0	28.81	20.13	9.00	-3.96	599.29	776.43
		776.43	599.29	-0.01	0.0	33.0	28.81	20.13	9.00	-3.96	727.82	1264.64
39	8	76.37	269.45	5.68e-03	0.0	0.0	4.29	0.48	13.78	-0.49	-190.76	76.37
		66.00	-190.76	-9.04e-03	0.0	33.0	4.29	0.48	13.78	-0.49	269.45	66.00
39	9	76.37	269.45	5.68e-03	0.0	0.0	4.29	0.48	13.78	-0.49	-190.76	76.37
		66.00	-190.76	-9.04e-03	0.0	33.0	4.29	0.48	13.78	-0.49	269.45	66.00
39	10	622.19	350.90	-1.94e-04	0.0	0.0	15.07	9.06	5.00	1.23	217.44	395.51
		395.51	217.44	4.73e-03	0.0	33.0	15.07	9.06	5.00	1.23	350.90	622.19
39	11	471.13	257.42	7.31e-03	0.0	0.0	9.58	7.56	3.04	-1.35	206.34	282.90
		282.90	206.34	-4.55e-03	0.0	33.0	9.58	7.56	3.04	-1.35	257.42	471.13
39	12	2.07	3.89	6.90e-05	0.0	0.0	1.86	-2.53e-03	-0.19	-0.02	3.89	2.07
		1.99	-2.26	-3.76e-05	0.0	33.0	1.86	-2.53e-03	-0.19	-0.02	-2.26	1.99
39	13	1.288e+04	1018.27	0.05	0.0	0.0	119.85	111.88	25.48	-67.91	177.41	9190.60
		9190.60	177.41	-0.01	0.0	33.0	119.85	111.88	25.48	-67.91	1018.27	1.288e+04
40	1	-1949.72	361.06	-5.13e-03	-3.22	0.0	-1.83	39.20	3.17	-6.42	248.70	-3152.64
		-3152.64	248.70	2.50e-03	0.69	32.0	-1.83	35.98	3.85	-6.42	361.06	-1949.72
40	2	-2995.54	832.14	-9.88e-03	0.0	0.0	-3.10	55.37	-1.25	-35.19	832.14	-4767.46
		-4767.46	791.99	7.19e-03	0.0	32.0	-3.10	55.37	-1.25	-35.19	791.99	-2995.54
40	3	-5859.91	1627.84	-0.02	0.0	0.0	-6.07	108.32	-2.45	-68.84	1627.84	-9326.16
		-9326.16	1549.29	0.01	0.0	32.0	-6.07	108.32	-2.45	-68.84	1549.29	-5859.91
40	4	233.74	511.59	0.02	0.0	0.0	-10.63	-1.68	46.53	-1.56	-989.25	203.39
		203.39	-989.25	-0.03	0.0	32.0	-10.63	-1.68	46.53	-1.56	511.59	233.74
40	5	233.74	511.59	0.02	0.0	0.0	-10.63	-1.68	46.53	-1.56	-989.25	203.39
		203.39	-989.25	-0.03	0.0	32.0	-10.63	-1.68	46.53	-1.56	511.59	233.74
40	6	1655.21	442.79	-5.62e-04	0.0	0.0	38.41	-24.82	-7.97	-2.20	442.79	1655.21
		1140.86	331.80	0.02	0.0	32.0	38.41	-24.82	-7.97	-2.20	331.80	1140.86
40	7	1252.60	364.19	0.02	0.0	0.0	24.21	-19.32	-11.29	-3.15	364.19	1252.60
		787.14	-312.37	-9.12e-03	0.0	32.0	24.21	-19.32	-11.29	-3.15	-312.37	787.14
40	8	74.67	162.79	5.47e-03	0.0	0.0	-3.38	-0.53	14.80	-0.50	-314.53	65.02
		65.02	-314.53	-9.17e-03	0.0	32.0	-3.38	-0.53	14.80	-0.50	162.79	74.67
40	9	74.67	162.79	5.47e-03	0.0	0.0	-3.38	-0.53	14.80	-0.50	-314.53	65.02
		65.02	-314.53	-9.17e-03	0.0	32.0	-3.38	-0.53	14.80	-0.50	162.79	74.67
40	10	617.89	159.19	-8.75e-05	0.0	0.0	12.49	-9.32	-2.78	-0.74	159.19	617.89
		412.74	114.83	6.56e-03	0.0	32.0	12.49	-9.32	-2.78	-0.74	114.83	412.74
40	11	467.09	127.73	7.01e-03	0.0	0.0	8.04	-7.25	-3.65	-1.02	127.73	467.09
		287.12	-106.82	-2.95e-03	0.0	32.0	8.04	-7.25	-3.65	-1.02	-106.82	287.12
40	12	2.22	0.18	7.00e-05	0.0	0.0	1.19	-0.02	-0.19	-0.01	0.18	2.22
		1.48	-5.76	-5.41e-05	0.0	32.0	1.19	-0.02	-0.19	-0.01	-5.76	1.48
40	13	1.285e+04	-960.79	0.07	0.0	0.0	103.78	-139.22	-25.52	82.93	-960.79	1.285e+04
		8394.47	-1777.52	-0.01	0.0	32.0	103.78	-139.22	-25.52	82.93	-1777.52	8394.47
41	1	2235.75	589.42	-0.04	-16.62	0.0	0.40	33.67	-7.77	-3.53	589.42	-1948.85
		-1948.85	-400.89	0.08	3.53	165.0	0.40	17.05	-4.24	-3.53	-400.89	2235.75
41	2	3834.68	1406.75	-0.08	0.0	0.0	2.91	41.38	-15.68	-19.33	1406.75	-2992.46
		-2992.46	-1179.79	0.20	0.0	165.0	2.91	41.38	-15.68	-19.33	-1179.79	3834.68
41	3	7501.45	2751.90	-0.16	0.0	0.0	5.70	80.94	-30.67	-37.82	2751.90	-5853.88
		-5853.88	-2307.92	0.39	0.0	165.0	5.70	80.94	-30.67	-37.82	-2307.92	7501.45
41	4	364.71	283.36	0.09	0.0	0.0	-10.47	-1.10	-2.19	-1.86	283.36	233.46
		233.46	-109.61	-0.12	0.0	165.0	-10.47	-1.10	-2.19	-1.86	-109.61	364.71
41	5	364.71	283.36	0.09	0.0	0.0	-10.47	-1.10	-2.19	-1.86	283.36	233.46
		233.46	-109.61	-0.12	0.0	165.0	-10.47	-1.10	-2.19	-1.86	-109.61	364.71
41	6	2395.27	622.53	0.01	0.0	0.0	37.76	-16.40	-6.56	3.07	622.53	1140.14
		1140.14	-510.99	0.08	0.0	165.0	37.76	-16.40	-6.56	3.07	-510.99	2395.27
41	7	786.51	-333.41	0.11	0.0	0.0	22.84	-12.47	-5.04	-3.74	-522.65	786.51
		-1681.38	-522.65	-0.08	0.0	165.0	22.84	-12.47	-5.04	-3.74	-333.41	-1681.38
41	8	116.26	90.74	0.03	0.0	0.0	-3.33	-0.35	-0.70	-0.59	90.74	74.58
		74.58	-35.46	-0.04	0.0	165.0	-3.33	-0.35	-0.70	-0.59	-35.46	116.26
41	9	116.26	90.74	0.03	0.0	0.0	-3.33	-0.35	-0.70	-0.59	90.74	74.58
		74.58	-35.46	-0.04	0.0	165.0	-3.33	-0.35	-0.70	-0.59	-35.46	116.26
41	10	878.64	216.81	4.66e-03	0.0	0.0	12.31	-6.16	-2.32	1.10	216.81	412.47
		412.47	-182.56	0.02	0.0	165.0	12.31	-6.16	-2.32	1.10	-182.56	878.64
41	11	286.92	-120.37	0.04	0.0	0.0	7.59	-4.68	-1.78	-1.27	-181.48	286.92

		-621.71	-181.48	-0.03	0.0	165.0	7.59	-4.68	-1.78	-1.27	-120.37	-621.71
41	12	1.48	-0.58	3.70e-04	0.0	0.0	1.25	-0.02	-1.71e-03	0.07	-0.58	1.48
		-2.61	-0.86	-6.05e-04	0.0	165.0	1.25	-0.02	-1.71e-03	0.07	-0.86	-2.61
41	13	8388.64	1636.27	0.44	0.0	0.0	92.67	-104.64	27.55	44.04	-2908.91	8388.64
		-8877.71	-2908.91	-0.46	0.0	165.0	92.67	-104.64	27.55	44.04	1636.27	-8877.71
42	1	3235.70	-22.36	0.04	-16.62	0.0	3.96	14.19	-2.59	-2.85	-22.36	2237.16
		2237.16	-178.97	0.02	3.53	165.0	3.96	-2.43	0.94	-2.85	-158.33	3206.98
42	2	5353.84	-199.21	0.04	0.0	0.0	12.12	9.18	-2.05	-5.97	-199.21	3839.10
		3839.10	-536.93	0.06	0.0	165.0	12.12	9.18	-2.05	-5.97	-536.93	5353.84
42	3	1.047e+04	-389.70	0.08	0.0	0.0	23.72	17.96	-4.00	-11.69	-389.70	7510.10
		7510.10	-1050.34	0.11	0.0	165.0	23.72	17.96	-4.00	-11.69	-1050.34	1.047e+04
42	4	364.24	224.64	0.08	0.0	0.0	6.85	-0.38	-2.16	-1.89	224.64	364.24
		326.55	-141.68	-0.08	0.0	165.0	6.85	-0.38	-2.16	-1.89	-141.68	326.55
42	5	364.24	224.64	0.08	0.0	0.0	6.85	-0.38	-2.16	-1.89	224.64	364.24
		326.55	-141.68	-0.08	0.0	165.0	6.85	-0.38	-2.16	-1.89	-141.68	326.55
42	6	2396.29	460.23	0.05	0.0	0.0	31.94	-2.15	7.69	-3.68	-865.41	2396.29
		-2494.49	-865.41	-0.05	0.0	165.0	31.94	-2.15	7.69	-3.68	460.23	-2494.49
42	7	-1682.52	377.06	0.12	0.0	0.0	17.15	-1.78	5.35	-4.18	-530.33	-1682.52
		-1763.69	-530.33	-0.14	0.0	165.0	17.15	-1.78	5.35	-4.18	377.06	-1763.69
42	8	116.11	71.59	0.02	0.0	0.0	2.18	-0.12	-0.69	-0.60	71.59	116.11
		104.04	-45.49	-0.03	0.0	165.0	2.18	-0.12	-0.69	-0.60	-45.49	104.04
42	9	116.11	71.59	0.02	0.0	0.0	2.18	-0.12	-0.69	-0.60	71.59	116.11
		104.04	-45.49	-0.03	0.0	165.0	2.18	-0.12	-0.69	-0.60	-45.49	104.04
42	10	879.03	153.91	0.02	0.0	0.0	10.44	-0.79	2.54	-1.33	-286.40	879.03
		-923.11	-286.40	-0.02	0.0	165.0	10.44	-0.79	2.54	-1.33	153.91	-923.11
42	11	-622.13	128.88	0.04	0.0	0.0	5.72	-0.66	1.80	-1.45	-178.77	-622.13
		-655.05	-178.77	-0.04	0.0	165.0	5.72	-0.66	1.80	-1.45	128.88	-655.05
42	12	-2.65	0.09	2.76e-04	0.0	0.0	1.26	-0.01	2.74e-04	0.08	0.04	-2.65
		-4.82	0.04	-7.70e-04	0.0	165.0	1.26	-0.01	2.74e-04	0.08	0.09	-4.82
42	13	-8886.36	1769.89	0.17	0.0	0.0	60.39	-24.73	21.40	10.26	-1760.67	-8886.36
		-1.297e+04	-1760.67	-0.57	0.0	165.0	60.39	-24.73	21.40	10.26	1769.89	-1.297e+04
43	1	3207.74	361.64	0.15	-16.62	0.0	2.89	-5.70	2.09	-0.53	-275.32	3207.74
		896.20	-275.32	-0.04	3.53	165.0	2.89	-22.32	5.63	-0.53	361.64	896.20
43	2	5353.57	842.88	0.22	0.0	0.0	9.09	-24.07	10.37	14.25	-867.59	5353.57
		1381.60	-867.59	-0.11	0.0	165.0	9.09	-24.07	10.37	14.25	842.88	1381.60
43	3	1.047e+04	1648.85	0.43	0.0	0.0	17.79	-47.09	20.28	27.87	-1697.20	1.047e+04
		2702.69	-1697.20	-0.22	0.0	165.0	17.79	-47.09	20.28	27.87	1648.85	2702.69
43	4	326.13	302.24	0.07	0.0	0.0	7.41	-1.50	-4.92	-1.14	302.24	326.13
		79.43	-517.22	-0.08	0.0	165.0	7.41	-1.50	-4.92	-1.14	-517.22	79.43
43	5	326.13	302.24	0.07	0.0	0.0	7.41	-1.50	-4.92	-1.14	302.24	326.13
		79.43	-517.22	-0.08	0.0	165.0	7.41	-1.50	-4.92	-1.14	-517.22	79.43
43	6	-517.91	1634.83	0.08	0.0	0.0	18.13	12.00	17.30	-4.03	-1223.25	-2495.95
		-2495.95	-1223.25	-0.12	0.0	165.0	18.13	12.00	17.30	-4.03	1634.83	-517.91
43	7	-354.16	919.98	0.13	0.0	0.0	8.43	8.58	9.39	-4.52	-632.50	-1765.13
		-1765.13	-632.50	-0.14	0.0	165.0	8.43	8.58	9.39	-4.52	919.98	-354.16
43	8	103.91	96.13	0.02	0.0	0.0	2.36	-0.48	-1.56	-0.36	96.13	103.91
		25.30	-164.57	-0.02	0.0	165.0	2.36	-0.48	-1.56	-0.36	-164.57	25.30
43	9	103.91	96.13	0.02	0.0	0.0	2.36	-0.48	-1.56	-0.36	96.13	103.91
		25.30	-164.57	-0.02	0.0	165.0	2.36	-0.48	-1.56	-0.36	-164.57	25.30
43	10	-191.18	537.81	0.03	0.0	0.0	5.90	4.44	5.69	-1.46	-402.91	-923.64
		-923.64	-402.91	-0.04	0.0	165.0	5.90	4.44	5.69	-1.46	537.81	-191.18
43	11	-131.07	306.36	0.04	0.0	0.0	2.82	3.19	3.13	-1.58	-211.30	-655.58
		-655.58	-211.30	-0.05	0.0	165.0	2.82	3.19	3.13	-1.58	306.36	-131.07
43	12	-2.90	1.43	1.07e-04	0.0	0.0	1.28	0.01	-0.01	-0.10	1.43	-4.83
		-4.83	-0.94	-6.06e-04	0.0	165.0	1.28	0.01	-0.01	-0.10	-0.94	-2.90
43	13	-3408.30	2741.56	-0.27	0.0	0.0	28.33	57.90	26.35	-40.63	-1605.86	-1.296e+04
		-1.296e+04	-1605.86	-0.47	0.0	165.0	28.33	57.90	26.35	-40.63	2741.56	-3408.30
44	1	896.28	210.38	0.04	-3.32	0.0	1.41	-25.51	-1.68	6.06	210.38	896.28
		-0.41	166.59	-1.87e-03	0.71	33.0	1.41	-28.83	-0.97	6.06	166.59	-0.41
44	2	1377.51	585.38	0.06	0.0	0.0	5.00	-39.82	4.87	42.28	424.51	1377.51
		63.52	424.51	-5.65e-03	0.0	33.0	5.00	-39.82	4.87	42.28	585.38	63.52
44	3	2694.70	1145.13	0.11	0.0	0.0	9.77	-77.89	9.54	82.71	830.44	2694.70
		124.26	830.44	-0.01	0.0	33.0	9.77	-77.89	9.54	82.71	1145.13	124.26
44	4	79.12	955.22	0.01	0.0	0.0	7.32	-2.27	45.16	0.87	-594.99	79.12
		6.11	-594.99	-0.03	0.0	33.0	7.32	-2.27	45.16	0.87	955.22	6.11
44	5	79.12	955.22	0.01	0.0	0.0	7.32	-2.27	45.16	0.87	-594.99	79.12
		6.11	-594.99	-0.03	0.0	33.0	7.32	-2.27	45.16	0.87	955.22	6.11
44	6	-29.81	1266.98	0.02	0.0	0.0	10.22	16.48	16.75	-4.41	783.16	-519.53
		-519.53	783.16	0.01	0.0	33.0	10.22	16.48	16.75	-4.41	1266.98	-29.81
44	7	-33.27	573.78	0.02	0.0	0.0	4.37	11.48	9.13	-4.82	498.49	-355.64
		-355.64	498.49	-7.00e-03	0.0	33.0	4.37	11.48	9.13	-4.82	573.78	-33.27
44	8	25.20	303.71	4.11e-03	0.0	0.0	2.33	-0.72	14.36	0.28	-189.23	25.20
		1.94	-189.23	-8.95e-03	0.0	33.0	2.33	-0.72	14.36	0.28	303.71	1.94
44	9	25.20	303.71	4.11e-03	0.0	0.0	2.33	-0.72	14.36	0.28	-189.23	25.20
		1.94	-189.23	-8.95e-03	0.0	33.0	2.33	-0.72	14.36	0.28	303.71	1.94
44	10	-10.84	411.05	5.76e-03	0.0	0.0	3.31	6.09	5.34	-1.61	259.61	-191.78

		-191.78	259.61	3.98e-03	0.0	33.0	3.31	6.09	5.34	-1.61	411.05	-10.84
44	11	-11.63	190.75	8.03e-03	0.0	0.0	1.46	4.25	2.93	-1.69	165.63	-131.62
		-131.62	165.63	-2.33e-03	0.0	33.0	1.46	4.25	2.93	-1.69	190.75	-11.63
44	12	-2.07	8.58	4.92e-06	0.0	0.0	1.36	0.02	0.08	-0.30	5.90	-2.79
		-2.79	5.90	-6.53e-05	0.0	33.0	1.36	0.02	0.08	-0.30	8.58	-2.07
44	13	-195.79	1901.30	-0.08	0.0	0.0	14.73	96.95	16.34	-110.01	1362.02	-3395.17
		-3395.17	1362.02	-0.02	0.0	33.0	14.73	96.95	16.34	-110.01	1901.30	-195.79
45	1	6.23	-25.91	0.09	-29.66	0.0	-1.19	-28.86	1.41	-0.38	-167.03	6.23
		-4370.71	-167.03	1.19e-04	0.0	100.2	5.12	-58.51	1.41	-0.38	-25.91	-4370.71
45	2	43.21	-85.81	0.10	0.0	0.0	4.63	-39.97	5.01	63.72	-587.33	43.21
		-3961.88	-587.33	5.05e-04	0.0	100.2	4.63	-39.97	5.01	63.72	-85.81	-3961.88
45	3	84.52	-167.87	0.19	0.0	0.0	9.06	-78.20	9.79	124.65	-1148.94	84.52
		-7750.28	-1148.94	9.89e-04	0.0	100.2	9.06	-78.20	9.79	124.65	-167.87	-7750.28
45	4	267.84	957.29	0.22	0.0	0.0	-46.28	2.68	-8.57	-6.19	957.29	-0.87
		-0.87	139.72	-0.06	0.0	100.2	-46.28	2.68	-8.57	-6.19	139.72	267.84
45	5	267.84	957.29	0.22	0.0	0.0	-46.28	2.68	-8.57	-6.19	957.29	-0.87
		-0.87	139.72	-0.06	0.0	100.2	-46.28	2.68	-8.57	-6.19	139.72	267.84
45	6	1278.66	-142.21	0.32	0.0	0.0	9.53	12.73	4.48	-33.26	-575.50	-4.82
		-4.82	-575.50	0.07	0.0	100.2	9.53	12.73	4.48	-33.26	-142.21	1278.66
45	7	1844.09	-227.18	0.65	0.0	0.0	18.27	18.37	10.49	-29.81	-1271.12	-4.42
		-4.42	-1271.12	-0.07	0.0	100.2	18.27	18.37	10.49	-29.81	-227.18	1844.09
45	8	85.31	304.36	0.07	0.0	0.0	-14.71	0.85	-2.73	-1.97	304.36	-0.28
		-0.28	44.74	-0.02	0.0	100.2	-14.71	0.85	-2.73	-1.97	44.74	85.31
45	9	85.31	304.36	0.07	0.0	0.0	-14.71	0.85	-2.73	-1.97	304.36	-0.28
		-0.28	44.74	-0.02	0.0	100.2	-14.71	0.85	-2.73	-1.97	44.74	85.31
45	10	472.00	-46.49	0.10	0.0	0.0	3.06	4.70	1.50	-11.63	-191.44	-1.69
		-1.69	-191.44	0.02	0.0	100.2	3.06	4.70	1.50	-11.63	-46.49	472.00
45	11	680.05	-74.45	0.21	0.0	0.0	5.82	6.77	3.40	-10.85	-412.48	-1.61
		-1.61	-412.48	-0.02	0.0	100.2	5.82	6.77	3.40	-10.85	-74.45	680.05
45	12	1.90	127.11	-1.74e-04	0.0	0.0	0.10	0.02	1.36	-2.06	-9.04	-0.30
		-0.30	-9.04	1.28e-04	0.0	100.2	0.10	0.02	1.36	-2.06	127.11	1.90
45	13	9641.49	-423.75	1.09	0.0	0.0	16.03	97.35	14.77	-195.43	-1903.78	-112.26
		-112.26	-1903.78	5.28e-03	0.0	100.2	16.03	97.35	14.77	-195.43	-423.75	9641.49
46	1	10.07	47.63	0.17	-29.66	0.0	-6.15	-72.22	-0.42	-8.00	47.63	10.07
		-8712.01	5.37	-9.16e-05	0.0	100.2	0.16	-101.88	-0.42	-8.00	5.37	-8712.01
46	2	61.25	117.39	0.21	0.0	0.0	2.45	-100.40	-1.05	-24.66	117.39	61.25
		-9998.26	12.27	-1.25e-04	0.0	100.2	2.45	-100.40	-1.05	-24.66	12.27	-9998.26
46	3	119.81	229.64	0.41	0.0	0.0	4.78	-196.40	-2.05	-48.25	229.64	119.81
		-1.956e+04	24.00	-2.44e-04	0.0	100.2	4.78	-196.40	-2.05	-48.25	24.00	-1.956e+04
46	4	-0.05	1832.42	0.16	0.0	0.0	-3.05	-3.23	-16.98	10.75	1832.42	-0.05
		-323.83	158.99	-0.06	0.0	100.2	-3.05	-3.23	-16.98	10.75	158.99	-323.83
46	5	-0.05	1832.42	0.16	0.0	0.0	-3.05	-3.23	-16.98	10.75	1832.42	-0.05
		-323.83	158.99	-0.06	0.0	100.2	-3.05	-3.23	-16.98	10.75	158.99	-323.83
46	6	4353.97	-131.02	0.42	0.0	0.0	12.04	43.44	5.93	-24.48	-707.39	1.72
		1.72	-707.39	0.07	0.0	100.2	12.04	43.44	5.93	-24.48	-131.02	4353.97
46	7	5360.51	-160.68	0.69	0.0	0.0	19.77	53.48	8.77	-18.66	-1032.99	2.12
		2.12	-1032.99	-0.07	0.0	100.2	19.77	53.48	8.77	-18.66	-160.68	5360.51
46	8	-0.02	582.62	0.05	0.0	0.0	-0.97	-1.03	-5.40	3.42	582.62	-0.02
		-102.98	50.86	-0.02	0.0	100.2	-0.97	-1.03	-5.40	3.42	50.86	-102.98
46	9	-0.02	582.62	0.05	0.0	0.0	-0.97	-1.03	-5.40	3.42	582.62	-0.02
		-102.98	50.86	-0.02	0.0	100.2	-0.97	-1.03	-5.40	3.42	50.86	-102.98
46	10	1634.16	-42.95	0.13	0.0	0.0	4.24	16.30	2.01	-8.08	-238.46	0.65
		0.65	-238.46	0.02	0.0	100.2	4.24	16.30	2.01	-8.08	-42.95	1634.16
46	11	2012.55	-53.25	0.22	0.0	0.0	6.75	20.08	2.86	-6.44	-338.10	0.80
		0.80	-338.10	-0.02	0.0	100.2	6.75	20.08	2.86	-6.44	-53.25	2012.55
46	12	2.06	69.19	-6.06e-05	0.0	0.0	0.01	0.02	0.67	-0.23	2.38	-8.20e-03
		-8.20e-03	2.38	2.15e-04	0.0	100.2	0.01	0.02	0.67	-0.23	69.19	2.06
46	13	2.501e+04	-364.08	1.01	0.0	0.0	50.00	251.13	16.13	33.62	-1980.14	-150.84
		-150.84	-1980.14	4.37e-03	0.0	100.2	50.00	251.13	16.13	33.62	-364.08	2.501e+04
47	1	10.01	-2.36	0.16	-29.66	0.0	-5.83	-66.33	0.12	2.93	-14.27	10.01
		-8122.09	-14.27	-6.34e-05	0.0	100.2	0.48	-95.99	0.12	2.93	-2.36	-8122.09
47	2	60.90	-6.40	0.19	0.0	0.0	3.11	-89.97	0.31	7.15	-37.24	60.90
		-8953.70	-37.24	-6.74e-05	0.0	100.2	3.11	-89.97	0.31	7.15	-6.40	-8953.70
47	3	119.14	-12.52	0.37	0.0	0.0	6.09	-176.00	0.60	13.99	-72.85	119.14
		-1.752e+04	-72.85	-1.32e-04	0.0	100.2	6.09	-176.00	0.60	13.99	-12.52	-1.752e+04
47	4	-0.04	1762.48	0.09	0.0	0.0	-1.61	-2.18	-16.32	-12.86	1762.48	-0.04
		-218.70	157.23	-0.06	0.0	100.2	-1.61	-2.18	-16.32	-12.86	157.23	-218.70
47	5	-0.04	1762.48	0.09	0.0	0.0	-1.61	-2.18	-16.32	-12.86	1762.48	-0.04
		-218.70	157.23	-0.06	0.0	100.2	-1.61	-2.18	-16.32	-12.86	157.23	-218.70
47	6	5218.74	-103.99	0.50	0.0	0.0	15.32	52.06	5.18	-25.49	-604.67	2.27
		2.27	-604.67	0.07	0.0	100.2	15.32	52.06	5.18	-25.49	-103.99	5218.74
47	7	5957.51	-74.74	0.65	0.0	0.0	19.52	59.43	5.23	21.90	-584.03	2.55
		2.55	-584.03	-0.07	0.0	100.2	19.52	59.43	5.23	21.90	-74.74	5957.51
47	8	-0.01	560.36	0.03	0.0	0.0	-0.51	-0.69	-5.19	-4.09	560.36	-0.01
		-69.58	50.25	-0.02	0.0	100.2	-0.51	-0.69	-5.19	-4.09	50.25	-69.58
47	9	-0.01	560.36	0.03	0.0	0.0	-0.51	-0.69	-5.19	-4.09	560.36	-0.01

		-69.58	50.25	-0.02	0.0	100.2	-0.51	-0.69	-5.19	-4.09	50.25	-69.58
47	10	1960.14	-33.86	0.16	0.0	0.0	5.41	19.56	1.77	-8.35	-205.20	0.86
		0.86	-205.20	0.02	0.0	100.2	5.41	19.56	1.77	-8.35	-33.86	1960.14
47	11	2236.56	-24.49	0.21	0.0	0.0	6.76	22.31	1.77	7.14	-196.47	0.96
		0.96	-196.47	-0.02	0.0	100.2	6.76	22.31	1.77	7.14	-24.49	2236.56
47	12	0.15	34.48	1.22e-04	0.0	0.0	7.92e-03	1.47e-03	0.31	-0.33	3.59	-4.84e-04
		-4.84e-04	3.59	1.29e-04	0.0	100.2	7.92e-03	1.47e-03	0.31	-0.33	34.48	0.15
47	13	2.219e+04	-139.37	1.16	0.0	0.0	50.86	222.99	4.60	-29.48	-600.33	-150.00
		-150.00	-600.33	2.03e-03	0.0	100.2	50.86	222.99	4.60	-29.48	-139.37	2.219e+04
48	1	10.10	0.11	0.16	-29.66	0.0	-5.87	-66.19	-6.99e-03	-0.01	0.11	10.10
		-8107.34	-0.59	-7.79e-05	0.0	100.2	0.44	-95.85	-6.99e-03	-0.01	-0.59	-8107.34
48	2	61.12	-1.28	0.19	0.0	0.0	2.96	-90.34	3.20e-03	-1.32e-03	-1.60	61.12
		-8990.61	-1.60	-1.31e-04	0.0	100.2	2.96	-90.34	3.20e-03	-1.32e-03	-1.28	-8990.61
48	3	119.56	-2.50	0.37	0.0	0.0	5.80	-176.73	6.25e-03	-2.59e-03	-3.13	119.56
		-1.759e+04	-3.13	-2.56e-04	0.0	100.2	5.80	-176.73	6.25e-03	-2.59e-03	-2.50	-1.759e+04
48	4	-2.51e-03	1754.00	-3.33e-04	0.0	0.0	-1.23	-6.95e-03	-16.23	-14.43	1754.00	-2.51e-03
		-0.70	157.80	-0.06	0.0	100.2	-1.23	-6.95e-03	-16.23	-14.43	157.80	-0.70
48	5	-2.51e-03	1754.00	-3.33e-04	0.0	0.0	-1.23	-6.95e-03	-16.23	-14.43	1754.00	-2.51e-03
		-0.70	157.80	-0.06	0.0	100.2	-1.23	-6.95e-03	-16.23	-14.43	157.80	-0.70
48	6	5106.53	-53.07	0.58	0.0	0.0	16.17	50.94	2.71	-25.01	-297.49	2.21
		2.21	-297.49	0.07	0.0	100.2	16.17	50.94	2.71	-25.01	-53.07	5106.53
48	7	5108.11	298.70	0.58	0.0	0.0	16.47	50.96	-2.72	25.07	298.70	2.21
		2.21	53.50	-0.07	0.0	100.2	16.47	50.96	-2.72	25.07	53.50	5108.11
48	8	-7.99e-04	557.69	-1.06e-04	0.0	0.0	-0.39	-2.21e-03	-5.16	-4.59	557.69	-7.99e-04
		-0.22	50.36	-0.02	0.0	100.2	-0.39	-2.21e-03	-5.16	-4.59	50.36	-0.22
48	9	-7.99e-04	557.69	-1.06e-04	0.0	0.0	-0.39	-2.21e-03	-5.16	-4.59	557.69	-7.99e-04
		-0.22	50.36	-0.02	0.0	100.2	-0.39	-2.21e-03	-5.16	-4.59	50.36	-0.22
48	10	1915.47	-17.76	0.19	0.0	0.0	5.57	19.11	0.93	-8.26	-102.72	0.83
		0.83	-102.72	0.02	0.0	100.2	5.57	19.11	0.93	-8.26	-17.76	1915.47
48	11	1916.09	103.15	0.19	0.0	0.0	5.66	19.12	-0.94	8.28	103.15	0.84
		0.84	18.00	-0.02	0.0	100.2	5.66	19.12	-0.94	8.28	18.00	1916.09
48	12	0.09	0.01	1.30e-04	0.0	0.0	7.65e-03	8.80e-04	4.30e-04	6.97e-06	-0.03	-3.07e-03
		-3.07e-03	-0.03	0.0	0.0	100.2	7.65e-03	8.80e-04	4.30e-04	6.97e-06	0.01	0.09
48	13	2.220e+04	1.30	1.19	0.0	0.0	52.19	223.12	0.06	0.04	-4.44	-150.59
		-150.59	-4.44	-2.26e-04	0.0	100.2	52.19	223.12	0.06	0.04	1.30	2.220e+04
49	1	10.01	14.50	0.16	-29.66	0.0	-5.83	-66.34	-0.13	-2.95	14.50	10.01
		-8122.16	1.20	-9.24e-05	0.0	100.2	0.48	-95.99	-0.13	-2.95	1.20	-8122.16
49	2	60.90	34.08	0.19	0.0	0.0	3.13	-89.98	-0.30	-7.15	34.08	60.90
		-8954.20	3.92	-1.94e-04	0.0	100.2	3.13	-89.98	-0.30	-7.15	3.92	-8954.20
49	3	119.14	66.66	0.37	0.0	0.0	6.12	-176.01	-0.59	-13.99	66.66	119.14
		-1.752e+04	7.66	-3.80e-04	0.0	100.2	6.12	-176.01	-0.59	-13.99	7.66	-1.752e+04
49	4	218.90	1762.66	-0.09	0.0	0.0	-2.70	2.18	-16.32	-12.86	1762.66	-0.04
		-0.04	157.23	-0.06	0.0	100.2	-2.70	2.18	-16.32	-12.86	157.23	218.90
49	5	218.90	1762.66	-0.09	0.0	0.0	-2.70	2.18	-16.32	-12.86	1762.66	-0.04
		-0.04	157.23	-0.06	0.0	100.2	-2.70	2.18	-16.32	-12.86	157.23	218.90
49	6	5954.90	584.47	0.65	0.0	0.0	19.30	59.41	-5.23	-21.84	584.47	2.55
		2.55	75.12	0.07	0.0	100.2	19.30	59.41	-5.23	-21.84	75.12	5954.90
49	7	5207.21	603.53	0.49	0.0	0.0	15.62	51.95	-5.17	25.53	603.53	2.27
		2.27	103.67	-0.07	0.0	100.2	15.62	51.95	-5.17	25.53	103.67	5207.21
49	8	69.65	560.42	-0.03	0.0	0.0	-0.86	0.70	-5.19	-4.09	560.42	-0.01
		-0.01	50.25	-0.02	0.0	100.2	-0.86	0.70	-5.19	-4.09	50.25	69.65
49	9	69.65	560.42	-0.03	0.0	0.0	-0.86	0.70	-5.19	-4.09	560.42	-0.01
		-0.01	50.25	-0.02	0.0	100.2	-0.86	0.70	-5.19	-4.09	50.25	69.65
49	10	2235.55	196.74	0.21	0.0	0.0	6.70	22.30	-1.77	-7.12	196.74	0.96
		0.96	24.64	0.02	0.0	100.2	6.70	22.30	-1.77	-7.12	24.64	2235.55
49	11	1955.78	204.76	0.16	0.0	0.0	5.49	19.51	-1.77	8.36	204.76	0.86
		0.86	33.78	-0.02	0.0	100.2	5.49	19.51	-1.77	8.36	33.78	1955.78
49	12	0.15	-3.65	1.22e-04	0.0	0.0	1.98e-03	1.49e-03	-0.31	0.33	-3.65	-1.50e-04
		-1.50e-04	-34.46	-1.29e-04	0.0	100.2	1.98e-03	1.49e-03	-0.31	0.33	-34.46	0.15
49	13	2.219e+04	593.01	1.16	0.0	0.0	51.23	223.01	-4.50	29.58	593.01	-149.99
		-149.99	142.07	-2.48e-03	0.0	100.2	51.23	223.01	-4.50	29.58	142.07	2.219e+04
50	1	10.07	-6.67	0.17	-29.66	0.0	-6.16	-72.22	0.41	7.98	-47.59	10.07
		-8711.89	-47.59	-6.37e-05	0.0	100.2	0.15	-101.88	0.41	7.98	-6.67	-8711.89
50	2	61.25	-15.10	0.21	0.0	0.0	2.42	-100.39	1.06	24.68	-121.03	61.25
		-9997.39	-121.03	-1.50e-04	0.0	100.2	2.42	-100.39	1.06	24.68	-15.10	-9997.39
50	3	119.82	-29.53	0.41	0.0	0.0	4.73	-196.39	2.07	48.28	-236.77	119.82
		-1.956e+04	-236.77	-2.93e-04	0.0	100.2	4.73	-196.39	2.07	48.28	-29.53	-1.956e+04
50	4	323.82	1832.93	-0.16	0.0	0.0	-4.41	3.23	-16.98	10.73	1832.93	0.05
		0.05	158.98	-0.06	0.0	100.2	-4.41	3.23	-16.98	10.73	158.98	323.82
50	5	323.82	1832.93	-0.16	0.0	0.0	-4.41	3.23	-16.98	10.73	1832.93	0.05
		0.05	158.98	-0.06	0.0	100.2	-4.41	3.23	-16.98	10.73	158.98	323.82
50	6	5358.96	1032.00	0.69	0.0	0.0	19.76	53.47	-8.76	18.63	1032.00	2.12
		2.12	160.33	0.07	0.0	100.2	19.76	53.47	-8.76	18.63	160.33	5358.96
50	7	4344.55	707.70	0.42	0.0	0.0	12.45	43.34	-5.94	24.49	707.70	1.72
		1.72	130.22	-0.07	0.0	100.2	12.45	43.34	-5.94	24.49	130.22	4344.55
50	8	102.98	582.79	-0.05	0.0	0.0	-1.40	1.03	-5.40	3.41	582.79	0.02

		0.02	50.85	-0.02	0.0	100.2	-1.40	1.03	-5.40	3.41	50.85	102.98
50	9	102.98	582.79	-0.05	0.0	0.0	-1.40	1.03	-5.40	3.41	582.79	0.02
		0.02	50.85	-0.02	0.0	100.2	-1.40	1.03	-5.40	3.41	50.85	102.98
50	10	2011.96	337.70	0.22	0.0	0.0	6.76	20.07	-2.86	6.44	337.70	0.80
		0.80	53.09	0.02	0.0	100.2	6.76	20.07	-2.86	6.44	53.09	2011.96
50	11	1630.59	238.56	0.13	0.0	0.0	4.36	16.27	-2.01	8.09	238.56	0.65
		0.65	42.65	-0.02	0.0	100.2	4.36	16.27	-2.01	8.09	42.65	1630.59
50	12	2.06	-2.44	-6.07e-05	0.0	0.0	-6.17e-04	0.02	-0.67	0.23	-2.44	-7.53e-03
		-7.53e-03	-69.17	-2.16e-04	0.0	100.2	-6.17e-04	0.02	-0.67	0.23	-69.17	2.06
50	13	2.501e+04	1979.05	1.01	0.0	0.0	50.95	251.12	-16.08	-33.51	1979.05	-150.84
		-150.84	368.43	-4.83e-03	0.0	100.2	50.95	251.12	-16.08	-33.51	368.43	2.501e+04
51	1	6.06	166.59	0.09	-29.66	0.0	-0.97	-28.83	-1.41	0.37	166.59	6.06
		-4368.77	25.31	-2.17e-04	0.0	100.2	5.34	-58.49	-1.41	0.37	25.31	-4368.77
51	2	42.28	585.37	0.10	0.0	0.0	4.88	-39.82	-5.00	-63.64	585.37	42.28
		-3947.12	84.75	-6.74e-04	0.0	100.2	4.88	-39.82	-5.00	-63.64	84.75	-3947.12
51	3	82.71	1145.10	0.19	0.0	0.0	9.55	-77.89	-9.77	-124.49	1145.10	82.71
		-7721.40	165.79	-1.32e-03	0.0	100.2	9.55	-77.89	-9.77	-124.49	165.79	-7721.40
51	4	0.87	955.22	-0.22	0.0	0.0	44.97	-2.67	-8.52	-6.18	955.22	0.87
		-267.30	142.44	-0.06	0.0	100.2	44.97	-2.67	-8.52	-6.18	142.44	-267.30
51	5	0.87	955.22	-0.22	0.0	0.0	44.97	-2.67	-8.52	-6.18	955.22	0.87
		-267.30	142.44	-0.06	0.0	100.2	44.97	-2.67	-8.52	-6.18	142.44	-267.30
51	6	1853.28	1266.98	0.65	0.0	0.0	18.24	18.46	-10.46	29.80	1266.98	-4.41
		-4.41	226.74	0.07	0.0	100.2	18.24	18.46	-10.46	29.80	226.74	1853.28
51	7	1281.44	573.78	0.32	0.0	0.0	9.34	12.75	-4.47	33.27	573.78	-4.82
		-4.82	141.39	-0.07	0.0	100.2	9.34	12.75	-4.47	33.27	141.39	1281.44
51	8	0.28	303.71	-0.07	0.0	0.0	14.30	-0.85	-2.71	-1.97	303.71	0.28
		-85.13	45.60	-0.02	0.0	100.2	14.30	-0.85	-2.71	-1.97	45.60	-85.13
51	9	0.28	303.71	-0.07	0.0	0.0	14.30	-0.85	-2.71	-1.97	303.71	0.28
		-85.13	45.60	-0.02	0.0	100.2	14.30	-0.85	-2.71	-1.97	45.60	-85.13
51	10	683.68	411.05	0.21	0.0	0.0	5.81	6.81	-3.39	10.84	411.05	-1.61
		-1.61	74.23	0.02	0.0	100.2	5.81	6.81	-3.39	10.84	74.23	683.68
51	11	473.10	190.75	0.10	0.0	0.0	3.00	4.71	-1.49	11.63	190.75	-1.69
		-1.69	46.16	-0.02	0.0	100.2	3.00	4.71	-1.49	11.63	46.16	473.10
51	12	1.91	8.58	-1.74e-04	0.0	0.0	0.08	0.02	-1.36	2.06	8.58	-0.30
		-0.30	-127.89	-1.25e-04	0.0	100.2	0.08	0.02	-1.36	2.06	-127.89	1.91
51	13	9604.18	1901.33	1.09	0.0	0.0	16.32	96.95	-14.73	195.41	1901.33	-110.01
		-110.01	425.14	-5.73e-03	0.0	100.2	16.32	96.95	-14.73	195.41	425.14	9604.18
52	1	423.79	149.52	-0.16	10.55	0.0	7.54	-3.19	-1.46	-0.05	149.52	6.74
		-90.00	-142.79	-2.15e-03	0.0	200.4	9.79	7.36	-1.46	-0.05	-142.79	423.79
52	2	926.36	413.31	-0.14	40.43	0.0	5.82	-15.73	-4.05	4.18	413.31	28.87
		-583.87	-397.97	-5.92e-03	0.0	200.4	14.42	24.69	-4.05	4.18	-397.97	926.36
52	3	1812.16	808.52	-0.28	79.08	0.0	11.38	-30.78	-7.92	8.18	808.52	56.48
		-1142.16	-778.51	-0.01	0.0	200.4	28.20	48.30	-7.92	8.18	-778.51	1812.16
52	4	13.71	276.88	-0.44	0.0	0.0	49.99	0.07	2.71	-0.41	-266.60	-0.97
		-0.97	-266.60	0.12	0.0	200.4	49.99	0.07	2.71	-0.41	276.88	13.71
52	5	13.71	276.88	-0.44	0.0	0.0	49.99	0.07	2.71	-0.41	-266.60	-0.97
		-0.97	-266.60	0.12	0.0	200.4	49.99	0.07	2.71	-0.41	276.88	13.71
52	6	0.38	426.33	-0.65	0.0	0.0	13.05	-0.22	-4.19	-2.22	426.33	0.38
		-44.35	-414.19	-0.14	0.0	200.4	13.05	-0.22	-4.19	-2.22	-414.19	-44.35
52	7	0.48	844.61	-1.30	0.0	0.0	9.68	-0.31	-8.32	-2.00	844.61	0.48
		-61.58	-823.18	0.14	0.0	200.4	9.68	-0.31	-8.32	-2.00	-823.18	-61.58
52	8	4.36	88.05	-0.14	0.0	0.0	15.90	0.02	0.86	-0.13	-84.78	-0.31
		-0.31	-84.78	0.04	0.0	200.4	15.90	0.02	0.86	-0.13	88.05	4.36
52	9	4.36	88.05	-0.14	0.0	0.0	15.90	0.02	0.86	-0.13	-84.78	-0.31
		-0.31	-84.78	0.04	0.0	200.4	15.90	0.02	0.86	-0.13	88.05	4.36
52	10	0.14	142.12	-0.21	0.0	0.0	4.20	-0.08	-1.40	-0.78	142.12	0.14
		-16.43	-138.07	-0.04	0.0	200.4	4.20	-0.08	-1.40	-0.78	-138.07	-16.43
52	11	0.18	276.03	-0.41	0.0	0.0	3.33	-0.11	-2.72	-0.73	276.03	0.18
		-22.84	-268.96	0.04	0.0	200.4	3.33	-0.11	-2.72	-0.73	-268.96	-22.84
52	12	1.83	10.44	-8.42e-04	0.0	0.0	-0.12	0.01	0.09	-0.11	-6.80	-0.19
		-0.19	-6.80	-1.26e-03	0.0	200.4	-0.12	0.01	0.09	-0.11	10.44	1.83
52	13	1448.43	1353.74	-2.34	-100.19	0.0	10.28	39.01	-13.35	-12.87	1353.74	-71.45
		-2292.67	-1320.56	-0.02	0.0	200.4	10.28	-61.18	-13.35	-12.87	-1320.56	-2292.67
53	1	403.95	120.58	-0.18	10.55	0.0	-1.16	-3.27	-1.11	-0.73	120.58	2.32
		-99.24	-100.87	-2.20e-03	0.0	200.4	1.09	7.28	-1.11	-0.73	-100.87	403.95
53	2	1458.64	338.06	0.10	80.85	0.0	-12.44	-33.25	-3.10	0.38	338.06	20.22
		-1343.99	-283.24	-6.22e-03	0.0	200.4	4.76	47.60	-3.10	0.38	-283.24	1458.64
53	3	2853.42	661.33	0.19	158.16	0.0	-24.34	-65.04	-6.07	0.75	661.33	39.56
		-2629.13	-554.08	-0.01	0.0	200.4	9.31	93.12	-6.07	0.75	-554.08	2853.42
53	4	27.49	418.05	-0.41	0.0	0.0	-1.51	0.14	-3.90	0.78	418.05	-0.91
		-0.91	-363.77	0.12	0.0	200.4	-1.51	0.14	-3.90	0.78	-363.77	27.49
53	5	27.49	418.05	-0.41	0.0	0.0	-1.51	0.14	-3.90	0.78	418.05	-0.91
		-0.91	-363.77	0.12	0.0	200.4	-1.51	0.14	-3.90	0.78	-363.77	27.49
53	6	53.45	943.94	-0.70	0.0	0.0	-2.07	0.27	-8.93	-2.06	943.94	-0.42
		-0.42	-845.70	-0.14	0.0	200.4	-2.07	0.27	-8.93	-2.06	-845.70	53.45
53	7	66.62	1569.35	-1.33	0.0	0.0	-3.69	0.33	-14.85	-1.82	1569.35	-0.55

		-0.55	-1406.38	0.14	0.0	200.4	-3.69	0.33	-14.85	-1.82	-1406.38	66.62
53	8	8.74	133.21	-0.13	0.0	0.0	-0.48	0.05	-1.24	0.25	133.21	-0.29
		-0.29	-115.93	0.04	0.0	200.4	-0.48	0.05	-1.24	0.25	-115.93	8.74
53	9	8.74	133.21	-0.13	0.0	0.0	-0.48	0.05	-1.24	0.25	133.21	-0.29
		-0.29	-115.93	0.04	0.0	200.4	-0.48	0.05	-1.24	0.25	-115.93	8.74
53	10	19.74	314.54	-0.23	0.0	0.0	-0.71	0.10	-2.98	-0.72	314.54	-0.15
		-0.15	-281.81	-0.04	0.0	200.4	-0.71	0.10	-2.98	-0.72	-281.81	19.74
53	11	24.39	514.45	-0.42	0.0	0.0	-1.18	0.12	-4.87	-0.66	514.45	-0.19
		-0.19	-460.85	0.04	0.0	200.4	-1.18	0.12	-4.87	-0.66	-460.85	24.39
53	12	4.80	1.05	-2.91e-03	0.0	0.0	0.02	0.02	0.01	9.31e-03	-1.36	-0.18
		-0.18	-1.36	-1.14e-03	0.0	200.4	0.02	0.02	0.01	9.31e-03	1.05	4.80
53	13	3349.52	3366.07	-2.80	-200.39	0.0	-4.96	82.62	-31.98	-3.30	3366.07	-50.89
		-3572.14	-3041.33	-0.06	0.0	200.4	-4.96	-117.77	-31.98	-3.30	-3041.33	-3572.14
54	1	482.48	331.52	-0.24	10.55	0.0	-1.64	-2.87	3.53	-1.48	-375.16	0.70
		-77.02	-375.16	6.38e-03	0.0	200.4	0.61	7.68	3.53	-1.48	331.52	482.48
54	2	1660.33	859.27	-0.12	80.85	0.0	-13.61	-32.21	9.15	-4.60	-973.71	13.45
		-1267.56	-973.71	0.02	0.0	200.4	3.59	48.64	9.15	-4.60	859.27	1660.33
54	3	3247.96	1680.92	-0.24	158.16	0.0	-26.63	-63.00	17.89	-8.99	-1904.78	26.31
		-2479.62	-1904.78	0.03	0.0	200.4	7.02	95.16	17.89	-8.99	1680.92	3247.96
54	4	16.54	267.04	-0.37	0.0	0.0	1.02	0.08	-2.49	0.94	267.04	0.23
		0.23	-232.37	0.12	0.0	200.4	1.02	0.08	-2.49	0.94	-232.37	16.54
54	5	16.54	267.04	-0.37	0.0	0.0	1.02	0.08	-2.49	0.94	267.04	0.23
		0.23	-232.37	0.12	0.0	200.4	1.02	0.08	-2.49	0.94	-232.37	16.54
54	6	-0.74	677.09	-0.76	0.0	0.0	-1.58	-0.48	-6.44	-1.82	677.09	-0.74
		-95.12	-613.25	-0.14	0.0	200.4	-1.58	-0.48	-6.44	-1.82	-613.25	-95.12
54	7	-1.04	845.35	-1.36	0.0	0.0	-1.34	-0.58	-8.08	-1.49	845.35	-1.04
		-116.09	-773.94	0.14	0.0	200.4	-1.34	-0.58	-8.08	-1.49	-773.94	-116.09
54	8	5.26	85.67	-0.12	0.0	0.0	0.32	0.03	-0.80	0.30	85.67	0.07
		0.07	-74.58	0.04	0.0	200.4	0.32	0.03	-0.80	0.30	-74.58	5.26
54	9	5.26	85.67	-0.12	0.0	0.0	0.32	0.03	-0.80	0.30	85.67	0.07
		0.07	-74.58	0.04	0.0	200.4	0.32	0.03	-0.80	0.30	-74.58	5.26
54	10	-0.27	228.57	-0.25	0.0	0.0	-0.58	-0.18	-2.17	-0.62	228.57	-0.27
		-35.57	-206.91	-0.04	0.0	200.4	-0.58	-0.18	-2.17	-0.62	-206.91	-35.57
54	11	-0.37	279.27	-0.43	0.0	0.0	-0.45	-0.22	-2.67	-0.53	279.27	-0.37
		-43.31	-255.35	0.04	0.0	200.4	-0.45	-0.22	-2.67	-0.53	-255.35	-43.31
54	12	2.36	0.97	-1.27e-03	0.0	0.0	-1.50e-03	0.01	9.23e-03	0.04	-0.88	6.19e-03
		6.19e-03	-0.88	-1.06e-03	0.0	200.4	-1.50e-03	0.01	9.23e-03	0.04	0.97	2.36
54	13	3150.52	3391.74	-2.62	-200.39	0.0	6.15	79.95	-32.23	9.29	3391.74	-34.00
		-4090.41	-3065.96	-0.06	0.0	200.4	6.15	-120.44	-32.23	9.29	-3065.96	-4090.41
55	1	596.08	221.37	-0.31	10.55	0.0	11.24	-2.31	2.26	-0.93	-231.94	2.77
		-47.07	-231.94	3.42e-03	0.0	200.4	13.48	8.24	2.26	-0.93	221.37	596.08
55	2	1259.48	599.11	-0.36	40.43	0.0	13.81	-14.00	6.11	-3.24	-624.31	15.08
		-467.57	-624.31	9.04e-03	0.0	200.4	22.42	26.42	6.11	-3.24	599.11	1259.48
55	3	2463.81	1171.99	-0.71	79.08	0.0	27.02	-27.39	11.94	-6.35	-1221.28	29.50
		-914.66	-1221.28	0.02	0.0	200.4	43.85	51.69	11.94	-6.35	1171.99	2463.81
55	4	0.55	300.77	-0.33	0.0	0.0	-46.54	-0.05	2.94	0.78	-289.26	0.55
		-9.73	-289.26	0.12	0.0	200.4	-46.54	-0.05	2.94	0.78	300.77	-9.73
55	5	0.55	300.77	-0.33	0.0	0.0	-46.54	-0.05	2.94	0.78	-289.26	0.55
		-9.73	-289.26	0.12	0.0	200.4	-46.54	-0.05	2.94	0.78	300.77	-9.73
55	6	1.48	230.75	-0.82	0.0	0.0	-11.25	-0.75	2.33	-1.66	-237.04	1.48
		-149.31	-237.04	-0.14	0.0	200.4	-11.25	-0.75	2.33	-1.66	230.75	-149.31
55	7	1.93	296.00	-1.37	0.0	0.0	8.16	-0.93	3.00	-1.27	-304.23	1.93
		-184.20	-304.23	0.14	0.0	200.4	8.16	-0.93	3.00	-1.27	296.00	-184.20
55	8	0.17	95.71	-0.11	0.0	0.0	-14.80	-0.02	0.94	0.25	-92.06	0.17
		-3.10	-92.06	0.04	0.0	200.4	-14.80	-0.02	0.94	0.25	95.71	-3.10
55	9	0.17	95.71	-0.11	0.0	0.0	-14.80	-0.02	0.94	0.25	-92.06	0.17
		-3.10	-92.06	0.04	0.0	200.4	-14.80	-0.02	0.94	0.25	95.71	-3.10
55	10	0.56	80.54	-0.26	0.0	0.0	-3.60	-0.28	0.82	-0.55	-82.87	0.56
		-56.10	-82.87	-0.04	0.0	200.4	-3.60	-0.28	0.82	-0.55	80.54	-56.10
55	11	0.72	103.23	-0.44	0.0	0.0	2.65	-0.35	1.05	-0.44	-106.32	0.72
		-69.26	-106.32	0.04	0.0	200.4	2.65	-0.35	1.05	-0.44	103.23	-69.26
55	12	0.09	7.23	1.80e-04	0.0	0.0	-0.19	-1.57e-03	0.06	1.88e-03	-5.20	0.09
		-0.23	-5.20	-9.91e-04	0.0	200.4	-0.19	-1.57e-03	0.06	1.88e-03	7.23	-0.23
55	13	1151.31	1149.74	-2.13	-100.19	0.0	-51.40	34.60	-11.29	6.16	1149.74	-36.97
		-3142.45	-1112.27	-0.02	0.0	200.4	-51.40	-65.59	-11.29	6.16	-1112.27	-3142.45
56	1	610.83	190.02	-0.32	10.55	0.0	11.04	-2.24	-1.85	-0.16	190.02	2.86
		-44.16	-180.60	-2.76e-03	0.0	200.4	13.29	8.31	-1.85	-0.16	-180.60	610.83
56	2	1311.54	520.58	-0.39	40.43	0.0	13.16	-13.74	-5.09	-0.11	520.58	15.31
		-449.81	-498.46	-7.52e-03	0.0	200.4	21.76	26.68	-5.09	-0.11	-498.46	1311.54
56	3	2565.66	1018.36	-0.77	79.08	0.0	25.75	-26.89	-9.95	-0.22	1018.36	29.94
		-879.92	-975.09	-0.01	0.0	200.4	42.57	52.19	-9.95	-0.22	-975.09	2565.66
56	4	10.51	225.57	-0.32	0.0	0.0	48.17	0.05	2.18	0.77	-211.80	-0.36
		-0.36	-211.80	0.12	0.0	200.4	48.17	0.05	2.18	0.77	225.57	10.51
56	5	10.51	225.57	-0.32	0.0	0.0	48.17	0.05	2.18	0.77	-211.80	-0.36
		-0.36	-211.80	0.12	0.0	200.4	48.17	0.05	2.18	0.77	225.57	10.51
56	6	1.52	526.65	-0.84	0.0	0.0	13.53	-0.80	-5.17	-1.62	526.65	1.52

		-158.52	-509.78	-0.14	0.0	200.4	13.53	-0.80	-5.17	-1.62	-509.78	-158.52
56	7	1.94	666.83	-1.37	0.0	0.0	10.62	-0.99	-6.56	-1.25	666.83	1.94
		-195.60	-647.85	0.14	0.0	200.4	10.62	-0.99	-6.56	-1.25	-647.85	-195.60
56	8	3.34	71.86	-0.10	0.0	0.0	15.32	0.02	0.70	0.25	-67.49	-0.11
		-0.11	-67.49	0.04	0.0	200.4	15.32	0.02	0.70	0.25	71.86	3.34
56	9	3.34	71.86	-0.10	0.0	0.0	15.32	0.02	0.70	0.25	-67.49	-0.11
		-0.11	-67.49	0.04	0.0	200.4	15.32	0.02	0.70	0.25	71.86	3.34
56	10	0.57	184.09	-0.27	0.0	0.0	4.41	-0.30	-1.81	-0.53	184.09	0.57
		-59.57	-178.16	-0.04	0.0	200.4	4.41	-0.30	-1.81	-0.53	-178.16	-59.57
56	11	0.73	228.97	-0.44	0.0	0.0	3.69	-0.37	-2.25	-0.43	228.97	0.73
		-73.58	-222.25	0.04	0.0	200.4	3.69	-0.37	-2.25	-0.43	-222.25	-73.58
56	12	-0.02	8.31	-9.65e-06	0.0	0.0	0.15	-8.60e-04	0.07	-0.01	-6.30	-0.02
		-0.19	-6.30	-9.60e-04	0.0	200.4	0.15	-8.60e-04	0.07	-0.01	8.31	-0.19
56	13	1107.60	568.27	-2.08	-100.19	0.0	-18.62	33.94	-5.65	-1.54	568.27	-37.60
		-3274.61	-563.13	-9.06e-03	0.0	200.4	-18.62	-66.25	-5.65	-1.54	-563.13	-3274.61
57	1	571.41	281.28	-0.30	10.55	0.0	-1.49	-2.42	-2.63	0.46	281.28	0.30
		-55.10	-246.54	-4.79e-03	0.0	200.4	0.75	8.12	-2.63	0.46	-246.54	571.41
57	2	1961.94	743.80	-0.31	80.85	0.0	-13.26	-30.68	-6.96	1.95	743.80	10.12
		-1156.54	-651.04	-0.01	0.0	200.4	3.94	50.17	-6.96	1.95	-651.04	1961.94
57	3	3837.98	1455.04	-0.61	158.16	0.0	-25.95	-60.03	-13.62	3.81	1455.04	19.80
		-2262.43	-1273.57	-0.02	0.0	200.4	7.71	98.13	-13.62	3.81	-1273.57	3837.98
57	4	-0.30	341.70	-0.28	0.0	0.0	-1.41	-0.05	-3.15	0.96	341.70	-0.30
		-9.59	-289.58	0.12	0.0	200.4	-1.41	-0.05	-3.15	0.96	-289.58	-9.59
57	5	-0.30	341.70	-0.28	0.0	0.0	-1.41	-0.05	-3.15	0.96	341.70	-0.30
		-9.59	-289.58	0.12	0.0	200.4	-1.41	-0.05	-3.15	0.96	-289.58	-9.59
57	6	-0.84	1014.40	-0.89	0.0	0.0	-2.95	-0.76	-9.57	-1.53	1014.40	-0.84
		-152.07	-903.96	-0.14	0.0	200.4	-2.95	-0.76	-9.57	-1.53	-903.96	-152.07
57	7	-1.05	1031.93	-1.36	0.0	0.0	-3.05	-0.93	-9.73	-1.29	1031.93	-1.05
		-184.91	-917.30	0.14	0.0	200.4	-3.05	-0.93	-9.73	-1.29	-917.30	-184.91
57	8	-0.10	109.53	-0.09	0.0	0.0	-0.45	-0.02	-1.01	0.31	109.53	-0.10
		-3.05	-92.91	0.04	0.0	200.4	-0.45	-0.02	-1.01	0.31	-92.91	-3.05
57	9	-0.10	109.53	-0.09	0.0	0.0	-0.45	-0.02	-1.01	0.31	109.53	-0.10
		-3.05	-92.91	0.04	0.0	200.4	-0.45	-0.02	-1.01	0.31	-92.91	-3.05
57	10	-0.31	344.83	-0.29	0.0	0.0	-1.05	-0.29	-3.25	-0.49	344.83	-0.31
		-57.06	-307.06	-0.04	0.0	200.4	-1.05	-0.29	-3.25	-0.49	-307.06	-57.06
57	11	-0.37	348.73	-0.44	0.0	0.0	-1.04	-0.35	-3.28	-0.43	348.73	-0.37
		-69.39	-309.49	0.04	0.0	200.4	-1.04	-0.35	-3.28	-0.43	-309.49	-69.39
57	12	-0.02	3.24	-8.42e-05	0.0	0.0	0.01	-1.59e-03	0.03	4.83e-03	-3.63	-0.02
		-0.33	-3.63	-8.11e-04	0.0	200.4	0.01	-1.59e-03	0.03	4.83e-03	3.24	-0.33
57	13	2867.78	1031.85	-2.38	-200.39	0.0	-0.85	76.08	-9.79	-6.34	1031.85	-26.00
		-4857.70	-929.12	-0.02	0.0	200.4	-0.85	-124.31	-9.79	-6.34	-929.12	-4857.70
58	1	554.15	186.56	-0.29	10.55	0.0	-1.37	-2.51	2.00	-0.02	-215.02	1.04
		-58.86	-215.02	3.79e-03	0.0	200.4	0.87	8.03	2.00	-0.02	186.56	554.15
58	2	1916.21	493.16	-0.28	80.85	0.0	-12.94	-30.92	5.30	-0.96	-569.27	12.21
		-1172.38	-569.27	1.00e-02	0.0	200.4	4.26	49.93	5.30	-0.96	493.16	1916.21
58	3	3748.51	964.73	-0.55	158.16	0.0	-25.32	-60.49	10.37	-1.89	-1113.61	23.88
		-2293.43	-1113.61	0.02	0.0	200.4	8.34	97.67	10.37	-1.89	964.73	3748.51
58	4	0.44	303.35	-0.23	0.0	0.0	1.23	-0.04	-2.80	0.99	303.35	0.44
		-8.67	-257.14	0.12	0.0	200.4	1.23	-0.04	-2.80	0.99	-257.14	-8.67
58	5	0.44	303.35	-0.23	0.0	0.0	1.23	-0.04	-2.80	0.99	303.35	0.44
		-8.67	-257.14	0.12	0.0	200.4	1.23	-0.04	-2.80	0.99	-257.14	-8.67
58	6	-0.69	656.47	-0.93	0.0	0.0	-2.25	-0.80	-6.22	-1.56	656.47	-0.69
		-159.78	-590.34	-0.14	0.0	200.4	-2.25	-0.80	-6.22	-1.56	-590.34	-159.78
58	7	-0.78	622.73	-1.34	0.0	0.0	-2.42	-0.94	6.60	1.41	-700.68	-0.78
		-188.35	-700.68	0.14	0.0	200.4	-2.42	-0.94	6.60	1.41	622.73	-188.35
58	8	0.14	97.33	-0.07	0.0	0.0	0.39	-0.01	-0.90	0.31	97.33	0.14
		-2.76	-82.59	0.04	0.0	200.4	0.39	-0.01	-0.90	0.31	-82.59	-2.76
58	9	0.14	97.33	-0.07	0.0	0.0	0.39	-0.01	-0.90	0.31	97.33	0.14
		-2.76	-82.59	0.04	0.0	200.4	0.39	-0.01	-0.90	0.31	-82.59	-2.76
58	10	-0.25	221.87	-0.30	0.0	0.0	-0.84	-0.30	-2.10	-0.50	221.87	-0.25
		-59.99	-199.13	-0.04	0.0	200.4	-0.84	-0.30	-2.10	-0.50	-199.13	-59.99
58	11	-0.27	214.71	-0.43	0.0	0.0	-0.85	-0.35	2.28	0.47	-242.21	-0.27
		-70.64	-242.21	0.04	0.0	200.4	-0.85	-0.35	2.28	0.47	214.71	-70.64
58	12	0.03	2.85	1.92e-04	0.0	0.0	-1.57e-04	-3.45e-03	0.03	3.33e-03	-2.97	0.03
		-0.67	-2.97	-6.81e-04	0.0	200.4	-1.57e-04	-3.45e-03	0.03	3.33e-03	2.85	-0.67
58	13	2908.48	1061.92	-2.51	-200.39	0.0	2.44	76.69	-10.08	1.29	1061.92	-31.17
		-4740.56	-958.79	-0.02	0.0	200.4	2.44	-123.70	-10.08	1.29	-958.79	-4740.56
59	1	581.28	163.33	-0.30	10.55	0.0	9.95	-2.39	1.67	3.40e-03	-172.04	4.03
		-49.82	-172.04	2.58e-03	0.0	200.4	12.19	8.16	1.67	3.40e-03	163.33	581.28
59	2	1244.07	452.10	-0.35	40.43	0.0	10.65	-14.09	4.61	-0.58	-472.58	18.06
		-471.48	-472.58	6.91e-03	0.0	200.4	19.25	26.33	4.61	-0.58	452.10	1244.07
59	3	2433.66	884.40	-0.69	79.08	0.0	20.83	-27.57	9.03	-1.13	-924.47	35.33
		-922.32	-924.47	0.01	0.0	200.4	37.66	51.51	9.03	-1.13	884.40	2433.66
59	4	0.48	260.87	-0.18	0.0	0.0	-46.80	-0.04	2.54	-0.89	-248.66	0.48
		-6.94	-248.66	0.12	0.0	200.4	-46.80	-0.04	2.54	-0.89	260.87	-6.94
59	5	0.48	260.87	-0.18	0.0	0.0	-46.80	-0.04	2.54	-0.89	-248.66	0.48

		-6.94	-248.66	0.12	0.0	200.4	-46.80	-0.04	2.54	-0.89	260.87	-6.94
59	6	1.24	325.00	-0.97	0.0	0.0	-11.57	-0.92	3.30	-1.68	-336.16	1.24
		-183.72	-336.16	-0.14	0.0	200.4	-11.57	-0.92	3.30	-1.68	325.00	-183.72
59	7	1.55	448.05	-1.31	0.0	0.0	10.79	-1.06	4.56	1.47	-465.69	1.55
		-211.25	-465.69	0.14	0.0	200.4	10.79	-1.06	4.56	1.47	448.05	-211.25
59	8	0.15	83.03	-0.06	0.0	0.0	-14.88	-0.01	0.81	-0.28	-79.15	0.15
		-2.21	-79.15	0.04	0.0	200.4	-14.88	-0.01	0.81	-0.28	83.03	-2.21
59	9	0.15	83.03	-0.06	0.0	0.0	-14.88	-0.01	0.81	-0.28	-79.15	0.15
		-2.21	-79.15	0.04	0.0	200.4	-14.88	-0.01	0.81	-0.28	83.03	-2.21
59	10	0.46	117.79	-0.31	0.0	0.0	-3.75	-0.35	1.20	-0.55	-121.94	0.46
		-69.09	-121.94	-0.04	0.0	200.4	-3.75	-0.35	1.20	-0.55	117.79	-69.09
59	11	0.58	162.46	-0.42	0.0	0.0	3.55	-0.40	1.65	0.48	-168.81	0.58
		-79.43	-168.81	0.04	0.0	200.4	3.55	-0.40	1.65	0.48	162.46	-79.43
59	12	0.03	4.66	-5.18e-05	0.0	0.0	-0.11	-1.62e-03	0.04	-0.02	-3.67	0.03
		-0.29	-3.67	-5.58e-04	0.0	200.4	-0.11	-1.62e-03	0.04	-0.02	4.66	-0.29
59	13	1162.38	254.73	-2.39	-100.19	0.0	-34.73	34.85	-2.48	0.62	254.73	-44.44
		-3100.47	-242.67	-4.52e-03	0.0	200.4	-34.73	-65.35	-2.48	0.62	-242.67	-3100.47
60	1	576.79	181.10	-0.29	10.55	0.0	10.47	-2.42	-1.76	0.39	181.10	4.24
		-50.80	-172.24	-2.63e-03	0.0	200.4	12.71	8.13	-1.76	0.39	-172.24	576.79
60	2	1231.52	495.38	-0.34	40.43	0.0	11.69	-14.16	-4.84	1.51	495.38	19.08
		-475.55	-474.72	-7.12e-03	0.0	200.4	20.29	26.26	-4.84	1.51	-474.72	1231.52
60	3	2409.12	969.06	-0.67	79.08	0.0	22.87	-27.70	-9.47	2.96	969.06	37.32
		-930.28	-928.66	-0.01	0.0	200.4	39.70	51.38	-9.47	2.96	-928.66	2409.12
60	4	8.38	219.75	-0.17	0.0	0.0	48.33	0.04	2.12	-0.90	-206.04	-0.50
		-0.50	-206.04	0.12	0.0	200.4	48.33	0.04	2.12	-0.90	219.75	8.38
60	5	8.38	219.75	-0.17	0.0	0.0	48.33	0.04	2.12	-0.90	-206.04	-0.50
		-0.50	-206.04	0.12	0.0	200.4	48.33	0.04	2.12	-0.90	219.75	8.38
60	6	1.16	434.85	-0.99	0.0	0.0	13.00	-0.92	-4.26	-1.73	434.85	1.16
		-182.46	-419.41	-0.14	0.0	200.4	13.00	-0.92	-4.26	-1.73	-419.41	-182.46
60	7	1.52	389.47	-1.29	0.0	0.0	9.85	-1.05	-3.83	1.46	389.47	1.52
		-207.99	-377.34	0.14	0.0	200.4	9.85	-1.05	-3.83	1.46	-377.34	-207.99
60	8	2.67	69.88	-0.05	0.0	0.0	15.37	0.01	0.68	-0.29	-65.52	-0.16
		-0.16	-65.52	0.04	0.0	200.4	15.37	0.01	0.68	-0.29	69.88	2.67
60	9	2.67	69.88	-0.05	0.0	0.0	15.37	0.01	0.68	-0.29	-65.52	-0.16
		-0.16	-65.52	0.04	0.0	200.4	15.37	0.01	0.68	-0.29	69.88	2.67
60	10	0.43	147.47	-0.32	0.0	0.0	4.17	-0.34	-1.45	-0.57	147.47	0.43
		-68.60	-142.22	-0.04	0.0	200.4	4.17	-0.34	-1.45	-0.57	-142.22	-68.60
60	11	0.57	134.91	-0.42	0.0	0.0	3.24	-0.39	-1.32	0.47	134.91	0.57
		-78.21	-130.55	0.04	0.0	200.4	3.24	-0.39	-1.32	0.47	-130.55	-78.21
60	12	0.24	4.29	-4.35e-04	0.0	0.0	0.11	1.34e-03	0.04	-0.02	-3.28	-0.03
		-0.03	-3.28	-5.03e-04	0.0	200.4	0.11	1.34e-03	0.04	-0.02	4.29	0.24
60	13	1173.04	289.07	-2.42	-100.19	0.0	-22.92	35.02	-2.88	-4.52	289.07	-46.91
		-3067.93	-288.29	-4.51e-03	0.0	200.4	-22.92	-65.17	-2.88	-4.52	-288.29	-3067.93
61	1	527.88	247.97	-0.27	10.55	0.0	-1.42	-2.65	-2.32	0.33	247.97	1.41
		-65.14	-216.35	-4.25e-03	0.0	200.4	0.82	7.90	-2.32	0.33	-216.35	527.88
61	2	1842.45	652.95	-0.23	80.85	0.0	-13.08	-31.30	-6.10	1.70	652.95	13.28
		-1199.37	-568.73	-0.01	0.0	200.4	4.12	49.55	-6.10	1.70	-568.73	1842.45
61	3	3604.22	1277.31	-0.45	158.16	0.0	-25.59	-61.22	-11.93	3.32	1277.31	25.98
		-2346.23	-1112.55	-0.02	0.0	200.4	8.06	96.94	-11.93	3.32	-1112.55	3604.22
61	4	8.07	416.95	-0.12	0.0	0.0	-1.39	0.04	-3.88	1.08	416.95	-0.38
		-0.38	-360.65	0.12	0.0	200.4	-1.39	0.04	-3.88	1.08	-360.65	8.07
61	5	8.07	416.95	-0.12	0.0	0.0	-1.39	0.04	-3.88	1.08	416.95	-0.38
		-0.38	-360.65	0.12	0.0	200.4	-1.39	0.04	-3.88	1.08	-360.65	8.07
61	6	-0.37	808.39	-1.04	0.0	0.0	-2.60	-0.77	-7.62	-1.78	808.39	-0.37
		-154.87	-719.29	-0.14	0.0	200.4	-2.60	-0.77	-7.62	-1.78	-719.29	-154.87
61	7	-0.79	498.32	-1.25	0.0	0.0	-2.07	-0.85	-4.68	1.45	498.32	-0.79
		-170.54	-440.40	0.14	0.0	200.4	-2.07	-0.85	-4.68	1.45	-440.40	-170.54
61	8	2.57	132.65	-0.04	0.0	0.0	-0.44	0.01	-1.23	0.34	132.65	-0.12
		-0.12	-114.74	0.04	0.0	200.4	-0.44	0.01	-1.23	0.34	-114.74	2.57
61	9	2.57	132.65	-0.04	0.0	0.0	-0.44	0.01	-1.23	0.34	132.65	-0.12
		-0.12	-114.74	0.04	0.0	200.4	-0.44	0.01	-1.23	0.34	-114.74	2.57
61	10	-0.13	266.28	-0.33	0.0	0.0	-0.90	-0.29	-2.51	-0.59	266.28	-0.13
		-58.06	-236.97	-0.04	0.0	200.4	-0.90	-0.29	-2.51	-0.59	-236.97	-58.06
61	11	-0.29	171.13	-0.40	0.0	0.0	-0.73	-0.32	-1.61	0.47	171.13	-0.29
		-63.93	-151.07	0.04	0.0	200.4	-0.73	-0.32	-1.61	0.47	-151.07	-63.93
61	12	0.75	1.12	-7.97e-04	0.0	0.0	7.48e-03	3.91e-03	0.01	8.16e-04	-1.32	-0.03
		-0.03	-1.32	-3.40e-04	0.0	200.4	7.48e-03	3.91e-03	0.01	8.16e-04	1.12	0.75
61	13	2978.69	365.14	-2.74	-200.39	0.0	0.14	77.66	-3.46	-4.73	365.14	-33.72
		-4549.07	-328.21	-6.45e-03	0.0	200.4	0.14	-122.73	-3.46	-4.73	-328.21	-4549.07
62	1	530.95	216.60	-0.27	10.55	0.0	-1.43	-2.63	2.32	-0.40	-248.21	1.18
		-64.55	-248.21	4.33e-03	0.0	200.4	0.82	7.92	2.32	-0.40	216.60	530.95
62	2	1851.89	575.15	-0.24	80.85	0.0	-13.09	-31.25	6.16	-1.92	-659.88	12.67
		-1196.22	-659.88	0.01	0.0	200.4	4.11	49.60	6.16	-1.92	575.15	1851.89
62	3	3622.69	1125.11	-0.46	158.16	0.0	-25.61	-61.13	12.06	-3.75	-1290.86	24.78
		-2340.05	-1290.86	0.02	0.0	200.4	8.04	97.03	12.06	-3.75	1125.11	3622.69
62	4	0.33	439.71	-0.06	0.0	0.0	1.42	-0.02	-4.10	1.11	439.71	0.33

		-2.82	-381.94	0.12	0.0	200.4	1.42	-0.02	-4.10	1.11	-381.94	-2.82
62	5	0.33	439.71	-0.06	0.0	0.0	1.42	-0.02	-4.10	1.11	439.71	0.33
		-2.82	-381.94	0.12	0.0	200.4	1.42	-0.02	-4.10	1.11	-381.94	-2.82
62	6	-0.45	678.22	-1.09	0.0	0.0	-2.08	-0.77	7.18	-1.74	-759.66	-0.45
		-154.37	-759.66	-0.14	0.0	200.4	-2.08	-0.77	7.18	-1.74	678.22	-154.37
62	7	-0.77	640.63	-1.21	0.0	0.0	-2.33	-0.80	6.82	1.55	-725.43	-0.77
		-160.27	-725.43	0.14	0.0	200.4	-2.33	-0.80	6.82	1.55	640.63	-160.27
62	8	0.10	139.85	-0.02	0.0	0.0	0.45	-4.83e-03	-1.30	0.35	139.85	0.10
		-0.90	-121.48	0.04	0.0	200.4	0.45	-4.83e-03	-1.30	0.35	-121.48	-0.90
62	9	0.10	139.85	-0.02	0.0	0.0	0.45	-4.83e-03	-1.30	0.35	139.85	0.10
		-0.90	-121.48	0.04	0.0	200.4	0.45	-4.83e-03	-1.30	0.35	-121.48	-0.90
62	10	-0.15	247.20	-0.35	0.0	0.0	-0.77	-0.29	2.62	-0.58	-277.21	-0.15
		-57.87	-277.21	-0.04	0.0	200.4	-0.77	-0.29	2.62	-0.58	247.20	-57.87
62	11	-0.27	223.71	-0.39	0.0	0.0	-0.80	-0.30	2.38	0.50	-253.23	-0.27
		-60.02	-253.23	0.04	0.0	200.4	-0.80	-0.30	2.38	0.50	223.71	-60.02
62	12	0.39	0.62	-5.51e-04	0.0	0.0	4.55e-03	1.95e-03	5.88e-03	7.13e-03	-0.55	-2.05e-03
		-2.05e-03	-0.55	-1.85e-04	0.0	200.4	4.55e-03	1.95e-03	5.88e-03	7.13e-03	0.62	0.39
62	13	2971.02	395.09	-2.74	-200.39	0.0	1.40	77.54	-3.76	4.56	395.09	-32.14
		-4572.17	-357.47	-6.61e-03	0.0	200.4	1.40	-122.85	-3.76	4.56	-357.47	-4572.17
63	1	580.09	175.47	-0.29	10.55	0.0	10.20	-2.40	1.80	-0.26	-184.57	3.70
		-50.37	-184.57	2.76e-03	0.0	200.4	12.45	8.15	1.80	-0.26	175.47	580.09
63	2	1242.95	484.85	-0.35	40.43	0.0	11.40	-14.10	4.95	-1.23	-506.39	17.18
		-472.45	-506.39	7.41e-03	0.0	200.4	20.00	26.33	4.95	-1.23	484.85	1242.95
63	3	2431.48	948.47	-0.68	79.08	0.0	22.30	-27.57	9.68	-2.41	-990.60	33.60
		-924.22	-990.60	0.01	0.0	200.4	39.12	51.51	9.68	-2.41	948.47	2431.48
63	4	0.45	250.23	-9.21e-03	0.0	0.0	-47.09	-0.01	2.44	-1.00	-239.66	0.45
		-2.40	-239.66	0.12	0.0	200.4	-47.09	-0.01	2.44	-1.00	250.23	-2.40
63	5	0.45	250.23	-9.21e-03	0.0	0.0	-47.09	-0.01	2.44	-1.00	-239.66	0.45
		-2.40	-239.66	0.12	0.0	200.4	-47.09	-0.01	2.44	-1.00	250.23	-2.40
63	6	1.30	399.64	-1.14	0.0	0.0	-11.24	-0.91	4.06	-1.69	-413.83	1.30
		-180.27	-413.83	-0.14	0.0	200.4	-11.24	-0.91	4.06	-1.69	399.64	-180.27
63	7	1.34	424.98	-1.16	0.0	0.0	11.73	-0.91	4.33	1.67	-442.32	1.34
		-180.90	-442.32	0.14	0.0	200.4	11.73	-0.91	4.33	1.67	424.98	-180.90
63	8	0.14	79.56	-2.93e-03	0.0	0.0	-14.97	-4.53e-03	0.78	-0.32	-76.20	0.14
		-0.76	-76.20	0.04	0.0	200.4	-14.97	-4.53e-03	0.78	-0.32	79.56	-0.76
63	9	0.14	79.56	-2.93e-03	0.0	0.0	-14.97	-4.53e-03	0.78	-0.32	-76.20	0.14
		-0.76	-76.20	0.04	0.0	200.4	-14.97	-4.53e-03	0.78	-0.32	79.56	-0.76
63	10	0.49	148.11	-0.37	0.0	0.0	-3.73	-0.34	1.50	-0.56	-153.40	0.49
		-67.74	-153.40	-0.04	0.0	200.4	-3.73	-0.34	1.50	-0.56	148.11	-67.74
63	11	0.50	150.41	-0.37	0.0	0.0	3.79	-0.34	1.53	0.55	-156.46	0.50
		-67.96	-156.46	0.04	0.0	200.4	3.79	-0.34	1.53	0.55	150.41	-67.96
63	12	0.01	0.07	-2.71e-04	0.0	0.0	-3.01e-03	-3.43e-04	7.43e-04	2.28e-03	-0.07	0.01
		-0.06	-0.07	-3.03e-05	0.0	200.4	-3.01e-03	-3.43e-04	7.43e-04	2.28e-03	0.07	-0.06
63	13	1166.07	10.55	-2.46	-100.19	0.0	-29.41	34.86	0.08	3.05	-4.71	-42.13
		-3094.48	-4.71	2.36e-04	0.0	200.4	-29.41	-65.33	0.08	3.05	10.55	-3094.48
64	1	580.20	181.79	-0.29	10.55	0.0	10.55	-2.40	-1.77	0.25	181.79	3.83
		-50.25	-172.86	-2.64e-03	0.0	200.4	12.80	8.15	-1.77	0.25	-172.86	580.20
64	2	1243.54	498.87	-0.35	40.43	0.0	11.93	-14.10	-4.87	1.20	498.87	17.98
		-471.73	-477.96	-7.16e-03	0.0	200.4	20.53	26.33	-4.87	1.20	-477.96	1243.54
64	3	2432.63	975.89	-0.69	79.08	0.0	23.33	-27.58	-9.54	2.35	975.89	35.16
		-922.81	-934.99	-0.01	0.0	200.4	40.16	51.50	-9.54	2.35	-934.99	2432.63
64	4	2.35	249.06	9.01e-03	0.0	0.0	48.28	0.01	2.43	-1.00	-237.70	-0.45
		-0.45	-237.70	0.12	0.0	200.4	48.28	0.01	2.43	-1.00	249.06	2.35
64	5	2.35	249.06	9.01e-03	0.0	0.0	48.28	0.01	2.43	-1.00	-237.70	-0.45
		-0.45	-237.70	0.12	0.0	200.4	48.28	0.01	2.43	-1.00	249.06	2.35
64	6	1.37	435.56	-1.16	0.0	0.0	12.04	-0.91	-4.26	-1.66	435.56	1.37
		-180.90	-418.89	-0.14	0.0	200.4	12.04	-0.91	-4.26	-1.66	-418.89	-180.90
64	7	1.33	406.82	-1.14	0.0	0.0	-11.56	-0.91	-3.99	1.69	406.82	1.33
		-180.42	-393.33	0.14	0.0	200.4	-11.56	-0.91	-3.99	1.69	-393.33	-180.42
64	8	0.75	79.19	2.87e-03	0.0	0.0	15.35	4.44e-03	0.77	-0.32	-75.58	-0.14
		-0.14	-75.58	0.04	0.0	200.4	15.35	4.44e-03	0.77	-0.32	79.19	0.75
64	9	0.75	79.19	2.87e-03	0.0	0.0	15.35	4.44e-03	0.77	-0.32	-75.58	-0.14
		-0.14	-75.58	0.04	0.0	200.4	15.35	4.44e-03	0.77	-0.32	79.19	0.75
64	10	0.51	154.07	-0.37	0.0	0.0	3.88	-0.34	-1.51	-0.55	154.07	0.51
		-67.96	-148.26	-0.04	0.0	200.4	3.88	-0.34	-1.51	-0.55	-148.26	-67.96
64	11	0.50	150.76	-0.37	0.0	0.0	-3.83	-0.34	-1.48	0.56	150.76	0.50
		-67.80	-145.73	0.04	0.0	200.4	-3.83	-0.34	-1.48	0.56	-145.73	-67.80
64	12	0.01	0.08	-2.70e-04	0.0	0.0	-4.37e-03	-3.48e-04	-8.08e-04	-2.22e-03	0.08	0.01
		-0.06	-0.08	3.06e-05	0.0	200.4	-4.37e-03	-3.48e-04	-8.08e-04	-2.22e-03	-0.08	-0.06
64	13	1164.25	6.77	-2.46	-100.19	0.0	-30.36	34.87	-0.10	-2.97	6.77	-44.09
		-3096.08	-13.07	8.59e-04	0.0	200.4	-30.36	-65.33	-0.10	-2.97	-13.07	-3096.08
65	1	531.28	251.58	-0.27	10.55	0.0	-1.43	-2.63	-2.35	0.41	251.58	1.16
		-64.48	-219.63	-4.30e-03	0.0	200.4	0.81	7.92	-2.35	0.41	-219.63	531.28
65	2	1853.09	666.80	-0.24	80.85	0.0	-13.11	-31.24	-6.23	1.93	666.80	12.61
		-1195.80	-581.32	-0.01	0.0	200.4	4.09	49.61	-6.23	1.93	-581.32	1853.09
65	3	3625.04	1304.41	-0.46	158.16	0.0	-25.65	-61.11	-12.18	3.78	1304.41	24.67

		-2339.24	-1137.18	-0.02	0.0	200.4	8.00	97.05	-12.18	3.78	-1137.18	3625.04
65	4	2.84	438.53	0.06	0.0	0.0	-1.38	0.02	-4.09	1.11	438.53	-0.33
		-0.33	-381.02	0.12	0.0	200.4	-1.38	0.02	-4.09	1.11	-381.02	2.84
65	5	2.84	438.53	0.06	0.0	0.0	-1.38	0.02	-4.09	1.11	438.53	-0.33
		-0.33	-381.02	0.12	0.0	200.4	-1.38	0.02	-4.09	1.11	-381.02	2.84
65	6	-0.77	728.46	-1.21	0.0	0.0	-2.34	-0.80	-6.85	-1.54	728.46	-0.77
		-159.80	-643.27	-0.14	0.0	200.4	-2.34	-0.80	-6.85	-1.54	-643.27	-159.80
65	7	-0.45	759.88	-1.09	0.0	0.0	-2.08	-0.78	-7.18	1.75	759.88	-0.45
		-155.30	-678.30	0.14	0.0	200.4	-2.08	-0.78	-7.18	1.75	-678.30	-155.30
65	8	0.91	139.48	0.02	0.0	0.0	-0.44	4.87e-03	-1.30	0.35	139.48	-0.11
		-0.11	-121.19	0.04	0.0	200.4	-0.44	4.87e-03	-1.30	0.35	-121.19	0.91
65	9	0.91	139.48	0.02	0.0	0.0	-0.44	4.87e-03	-1.30	0.35	139.48	-0.11
		-0.11	-121.19	0.04	0.0	200.4	-0.44	4.87e-03	-1.30	0.35	-121.19	0.91
65	10	-0.28	254.30	-0.39	0.0	0.0	-0.81	-0.30	-2.39	-0.50	254.30	-0.28
		-59.84	-224.64	-0.04	0.0	200.4	-0.81	-0.30	-2.39	-0.50	-224.64	-59.84
65	11	-0.15	277.37	-0.35	0.0	0.0	-0.77	-0.29	-2.62	0.58	277.37	-0.15
		-58.23	-247.30	0.04	0.0	200.4	-0.77	-0.29	-2.62	0.58	-247.30	-58.23
65	12	0.38	0.56	-5.49e-04	0.0	0.0	4.64e-03	1.93e-03	-5.92e-03	-7.13e-03	0.56	-1.88e-03
		-1.88e-03	-0.63	1.85e-04	0.0	200.4	4.64e-03	1.93e-03	-5.92e-03	-7.13e-03	-0.63	0.38
65	13	2969.92	356.47	-2.74	-200.39	0.0	1.38	77.52	3.74	-4.60	-393.93	-32.00
		-4575.35	-393.93	6.81e-03	0.0	200.4	1.38	-122.87	3.74	-4.60	356.47	-4575.35
66	1	527.59	213.32	-0.27	10.55	0.0	-1.42	-2.65	2.29	-0.33	-244.59	1.43
		-65.20	-244.59	4.27e-03	0.0	200.4	0.83	7.90	2.29	-0.33	213.32	527.59
66	2	1841.37	562.55	-0.23	80.85	0.0	-13.06	-31.30	6.03	-1.68	-646.01	13.33
		-1199.75	-646.01	0.01	0.0	200.4	4.14	49.55	6.03	-1.68	562.55	1841.37
66	3	3602.11	1100.46	-0.45	158.16	0.0	-25.55	-61.23	11.80	-3.29	-1263.74	26.07
		-2346.96	-1263.74	0.02	0.0	200.4	8.10	96.93	11.80	-3.29	1100.46	3602.11
66	4	0.37	418.11	0.12	0.0	0.0	1.43	-0.04	-3.89	1.08	418.11	0.37
		-8.04	-361.52	0.12	0.0	200.4	1.43	-0.04	-3.89	1.08	-361.52	-8.04
66	5	0.37	418.11	0.12	0.0	0.0	1.43	-0.04	-3.89	1.08	418.11	0.37
		-8.04	-361.52	0.12	0.0	200.4	1.43	-0.04	-3.89	1.08	-361.52	-8.04
66	6	-0.79	438.09	-1.25	0.0	0.0	-2.05	-0.85	4.66	-1.45	-495.58	-0.79
		-169.70	-495.58	-0.14	0.0	200.4	-2.05	-0.85	4.66	-1.45	438.09	-169.70
66	7	-0.37	716.94	-1.04	0.0	0.0	-2.59	-0.78	7.60	1.78	-805.66	-0.37
		-155.56	-805.66	0.14	0.0	200.4	-2.59	-0.78	7.60	1.78	716.94	-155.56
66	8	0.12	133.02	0.04	0.0	0.0	0.45	-0.01	-1.24	0.34	133.02	0.12
		-2.56	-115.01	0.04	0.0	200.4	0.45	-0.01	-1.24	0.34	-115.01	-2.56
66	9	0.12	133.02	0.04	0.0	0.0	0.45	-0.01	-1.24	0.34	133.02	0.12
		-2.56	-115.01	0.04	0.0	200.4	0.45	-0.01	-1.24	0.34	-115.01	-2.56
66	10	-0.29	150.25	-0.40	0.0	0.0	-0.72	-0.32	1.60	-0.47	-170.17	-0.29
		-63.60	-170.17	-0.04	0.0	200.4	-0.72	-0.32	1.60	-0.47	150.25	-63.60
66	11	-0.13	236.23	-0.33	0.0	0.0	-0.90	-0.29	2.50	0.60	-265.41	-0.13
		-58.32	-265.41	0.04	0.0	200.4	-0.90	-0.29	2.50	0.60	236.23	-58.32
66	12	0.75	1.32	-7.97e-04	0.0	0.0	7.10e-03	3.90e-03	-0.01	-8.89e-04	1.32	-0.03
		-0.03	-1.12	3.40e-04	0.0	200.4	7.10e-03	3.90e-03	-0.01	-8.89e-04	-1.12	0.75
66	13	2979.69	327.69	-2.74	-200.39	0.0	0.16	77.68	3.45	4.69	-364.47	-33.84
		-4546.21	-364.47	6.65e-03	0.0	200.4	0.16	-122.71	3.45	4.69	327.69	-4546.21
67	1	576.63	174.83	-0.29	10.55	0.0	10.12	-2.42	1.79	-0.39	-183.85	4.11
		-50.93	-183.85	2.75e-03	0.0	200.4	12.37	8.13	1.79	-0.39	174.83	576.63
67	2	1230.82	481.51	-0.34	40.43	0.0	11.17	-14.16	4.91	-1.54	-502.79	18.28
		-476.31	-502.79	7.38e-03	0.0	200.4	19.77	26.26	4.91	-1.54	481.51	1230.82
67	3	2407.75	941.93	-0.67	79.08	0.0	21.86	-27.70	9.61	-3.01	-983.56	35.75
		-931.77	-983.56	0.01	0.0	200.4	38.68	51.38	9.61	-3.01	941.93	2407.75
67	4	0.50	220.19	0.17	0.0	0.0	-47.14	-0.04	2.13	-0.90	-207.23	0.50
		-8.43	-207.23	0.12	0.0	200.4	-47.14	-0.04	2.13	-0.90	220.19	-8.43
67	5	0.50	220.19	0.17	0.0	0.0	-47.14	-0.04	2.13	-0.90	-207.23	0.50
		-8.43	-207.23	0.12	0.0	200.4	-47.14	-0.04	2.13	-0.90	220.19	-8.43
67	6	1.49	382.14	-1.29	0.0	0.0	9.56	-1.04	3.88	-1.45	-394.94	1.49
		-207.75	-394.94	-0.14	0.0	200.4	9.56	-1.04	3.88	-1.45	382.14	-207.75
67	7	1.12	425.26	-0.99	0.0	0.0	12.64	-0.91	4.32	1.74	-441.32	1.12
		-182.11	-441.32	0.14	0.0	200.4	12.64	-0.91	4.32	1.74	425.26	-182.11
67	8	0.16	70.02	0.05	0.0	0.0	-14.99	-0.01	0.68	-0.29	-65.90	0.16
		-2.68	-65.90	0.04	0.0	200.4	-14.99	-0.01	0.68	-0.29	70.02	-2.68
67	9	0.16	70.02	0.05	0.0	0.0	-14.99	-0.01	0.68	-0.29	-65.90	0.16
		-2.68	-65.90	0.04	0.0	200.4	-14.99	-0.01	0.68	-0.29	70.02	-2.68
67	10	0.56	132.23	-0.42	0.0	0.0	3.15	-0.39	1.34	-0.47	-136.81	0.56
		-78.11	-136.81	-0.04	0.0	200.4	3.15	-0.39	1.34	-0.47	132.23	-78.11
67	11	0.42	144.21	-0.32	0.0	0.0	4.06	-0.34	1.47	0.57	-149.67	0.42
		-68.47	-149.67	0.04	0.0	200.4	4.06	-0.34	1.47	0.57	144.21	-68.47
67	12	0.25	3.31	-4.41e-04	0.0	0.0	0.11	1.37e-03	-0.04	0.02	3.31	-0.03
		-0.03	-4.31	5.04e-04	0.0	200.4	0.11	1.37e-03	-0.04	0.02	-4.31	0.25
67	13	1174.98	290.33	-2.42	-100.19	0.0	-22.21	35.02	2.91	4.59	-291.91	-44.95
		-3066.02	-291.91	4.79e-03	0.0	200.4	-22.21	-65.17	2.91	4.59	290.33	-3066.02
68	1	581.30	169.50	-0.30	10.55	0.0	10.29	-2.39	-1.65	-9.52e-03	169.50	4.16
		-49.72	-160.93	-2.46e-03	0.0	200.4	12.53	8.15	-1.65	-9.52e-03	-160.93	581.30
68	2	1244.40	465.70	-0.35	40.43	0.0	11.15	-14.10	-4.55	0.55	465.70	18.87

		-470.85	-445.80	-6.67e-03	0.0	200.4	19.75	26.33	-4.55	0.55	-445.80	1244.40
68	3	2434.32	911.01	-0.69	79.08	0.0	21.82	-27.58	-8.90	1.08	911.01	36.91
		-921.09	-872.08	-0.01	0.0	200.4	38.64	51.50	-8.90	1.08	-872.08	2434.32
68	4	6.93	259.81	0.18	0.0	0.0	47.98	0.04	2.53	-0.89	-246.79	-0.48
		-0.48	-246.79	0.12	0.0	200.4	47.98	0.04	2.53	-0.89	259.81	6.93
68	5	6.93	259.81	0.18	0.0	0.0	47.98	0.04	2.53	-0.89	-246.79	-0.48
		-0.48	-246.79	0.12	0.0	200.4	47.98	0.04	2.53	-0.89	259.81	6.93
68	6	1.58	458.00	-1.31	0.0	0.0	11.05	-1.06	-4.49	-1.47	458.00	1.58
		-211.24	-441.09	-0.14	0.0	200.4	11.05	-1.06	-4.49	-1.47	-441.09	-211.24
68	7	1.26	331.24	-0.97	0.0	0.0	-11.92	-0.92	-3.25	1.68	331.24	1.26
		-183.32	-320.57	0.14	0.0	200.4	-11.92	-0.92	-3.25	1.68	-320.57	-183.32
68	8	2.20	82.69	0.06	0.0	0.0	15.26	0.01	0.80	-0.28	-78.55	-0.15
		-0.15	-78.55	0.04	0.0	200.4	15.26	0.01	0.80	-0.28	82.69	2.20
68	9	2.20	82.69	0.06	0.0	0.0	15.26	0.01	0.80	-0.28	-78.55	-0.15
		-0.15	-78.55	0.04	0.0	200.4	15.26	0.01	0.80	-0.28	82.69	2.20
68	10	0.59	166.03	-0.42	0.0	0.0	3.64	-0.40	-1.63	-0.48	166.03	0.59
		-79.42	-159.95	-0.04	0.0	200.4	3.64	-0.40	-1.63	-0.48	-159.95	-79.42
68	11	0.47	120.16	-0.31	0.0	0.0	-3.87	-0.35	-1.18	0.55	120.16	0.47
		-68.94	-116.20	0.04	0.0	200.4	-3.87	-0.35	-1.18	0.55	-116.20	-68.94
68	12	0.03	3.65	-5.66e-05	0.0	0.0	-0.11	-1.59e-03	-0.04	0.02	3.65	0.03
		-0.28	-4.65	5.59e-04	0.0	200.4	-0.11	-1.59e-03	-0.04	0.02	-4.65	-0.28
68	13	1160.80	237.26	-2.38	-100.19	0.0	-35.86	34.85	2.43	-0.55	-249.48	-46.41
		-3101.42	-249.48	4.68e-03	0.0	200.4	-35.86	-65.34	2.43	-0.55	237.26	-3101.42
69	1	554.31	218.44	-0.29	10.55	0.0	-1.38	-2.51	-2.04	0.02	218.44	1.03
		-58.82	-189.64	-3.76e-03	0.0	200.4	0.87	8.04	-2.04	0.02	-189.64	554.31
69	2	1916.99	576.35	-0.28	80.85	0.0	-12.96	-30.92	-5.37	0.98	576.35	12.17
		-1172.12	-499.47	-9.98e-03	0.0	200.4	4.24	49.93	-5.37	0.98	-499.47	1916.99
69	3	3750.04	1127.46	-0.55	158.16	0.0	-25.35	-60.48	-10.50	1.91	1127.46	23.80
		-2292.91	-977.07	-0.02	0.0	200.4	8.30	97.68	-10.50	1.91	-977.07	3750.04
69	4	8.68	302.22	0.23	0.0	0.0	-1.19	0.04	-2.79	0.99	302.22	-0.44
		-0.44	-256.31	0.12	0.0	200.4	-1.19	0.04	-2.79	0.99	-256.31	8.68
69	5	8.68	302.22	0.23	0.0	0.0	-1.19	0.04	-2.79	0.99	302.22	-0.44
		-0.44	-256.31	0.12	0.0	200.4	-1.19	0.04	-2.79	0.99	-256.31	8.68
69	6	-0.78	701.22	-1.34	0.0	0.0	-2.43	-0.94	-6.61	-1.40	701.22	-0.78
		-188.30	-623.04	-0.14	0.0	200.4	-2.43	-0.94	-6.61	-1.40	-623.04	-188.30
69	7	-0.69	588.49	-0.93	0.0	0.0	-2.27	-0.80	6.20	1.56	-654.54	-0.69
		-160.08	-654.54	0.14	0.0	200.4	-2.27	-0.80	6.20	1.56	588.49	-160.08
69	8	2.76	96.97	0.07	0.0	0.0	-0.38	0.01	-0.89	0.31	96.97	-0.14
		-0.14	-82.33	0.04	0.0	200.4	-0.38	0.01	-0.89	0.31	-82.33	2.76
69	9	2.76	96.97	0.07	0.0	0.0	-0.38	0.01	-0.89	0.31	96.97	-0.14
		-0.14	-82.33	0.04	0.0	200.4	-0.38	0.01	-0.89	0.31	-82.33	2.76
69	10	-0.27	242.50	-0.43	0.0	0.0	-0.86	-0.35	-2.28	-0.47	242.50	-0.27
		-70.62	-214.90	-0.04	0.0	200.4	-0.86	-0.35	-2.28	-0.47	-214.90	-70.62
69	11	-0.25	198.57	-0.30	0.0	0.0	-0.85	-0.30	2.10	0.50	-221.31	-0.25
		-60.10	-221.31	0.04	0.0	200.4	-0.85	-0.30	2.10	0.50	198.57	-60.10
69	12	0.03	2.98	1.93e-04	0.0	0.0	-3.61e-04	-3.46e-03	-0.03	-3.26e-03	2.98	0.03
		-0.67	-2.86	6.81e-04	0.0	200.4	-3.61e-04	-3.46e-03	-0.03	-3.26e-03	-2.86	-0.67
69	13	2907.76	959.84	-2.51	-200.39	0.0	2.43	76.68	10.10	-1.33	-1063.08	-31.06
		-4742.67	-1063.08	0.02	0.0	200.4	2.43	-123.71	10.10	-1.33	959.84	-4742.67
70	1	571.04	243.51	-0.30	10.55	0.0	-1.49	-2.43	2.60	-0.46	-277.90	0.32
		-55.17	-277.90	4.81e-03	0.0	200.4	0.76	8.12	2.60	-0.46	243.51	571.04
70	2	1960.70	644.85	-0.31	80.85	0.0	-13.24	-30.69	6.90	-1.94	-736.85	10.19
		-1156.96	-736.85	0.01	0.0	200.4	3.96	50.16	6.90	-1.94	644.85	1960.70
70	3	3835.55	1261.46	-0.61	158.16	0.0	-25.90	-60.04	13.49	-3.79	-1441.44	19.92
		-2263.26	-1441.44	0.02	0.0	200.4	7.75	98.12	13.49	-3.79	1261.46	3835.55
70	4	9.58	342.99	0.28	0.0	0.0	1.45	0.05	-3.16	0.96	342.99	0.30
		0.30	-290.56	0.12	0.0	200.4	1.45	0.05	-3.16	0.96	-290.56	9.58
70	5	9.58	342.99	0.28	0.0	0.0	1.45	0.05	-3.16	0.96	342.99	0.30
		0.30	-290.56	0.12	0.0	200.4	1.45	0.05	-3.16	0.96	-290.56	9.58
70	6	-1.04	915.56	-1.36	0.0	0.0	-3.03	-0.93	9.71	1.28	-1029.83	-1.04
		-184.57	-1029.83	-0.14	0.0	200.4	-3.03	-0.93	9.71	1.28	915.56	-184.57
70	7	-0.85	902.79	-0.89	0.0	0.0	-2.93	-0.76	9.56	1.53	-1013.01	-0.85
		-152.45	-1013.01	0.14	0.0	200.4	-2.93	-0.76	9.56	1.53	902.79	-152.45
70	8	3.05	109.93	0.09	0.0	0.0	0.46	0.02	-1.01	0.31	109.93	0.10
		0.10	-93.22	0.04	0.0	200.4	0.46	0.02	-1.01	0.31	-93.22	3.05
70	9	3.05	109.93	0.09	0.0	0.0	0.46	0.02	-1.01	0.31	109.93	0.10
		0.10	-93.22	0.04	0.0	200.4	0.46	0.02	-1.01	0.31	-93.22	3.05
70	10	-0.37	308.88	-0.44	0.0	0.0	-1.04	-0.35	3.28	0.43	-348.00	-0.37
		-69.26	-348.00	-0.04	0.0	200.4	-1.04	-0.35	3.28	0.43	308.88	-69.26
70	11	-0.31	306.76	-0.29	0.0	0.0	-1.05	-0.29	3.25	0.49	-344.46	-0.31
		-57.20	-344.46	0.04	0.0	200.4	-1.05	-0.29	3.25	0.49	306.76	-57.20
70	12	-0.02	3.62	-8.27e-05	0.0	0.0	0.01	-1.60e-03	-0.03	-4.88e-03	3.62	-0.02
		-0.34	-3.24	8.12e-04	0.0	200.4	0.01	-1.60e-03	-0.03	-4.88e-03	-3.24	-0.34
70	13	2868.90	931.45	-2.38	-200.39	0.0	-0.82	76.10	9.81	6.32	-1034.27	-26.17
		-4854.45	-1034.27	0.02	0.0	200.4	-0.82	-124.29	9.81	6.32	931.45	-4854.45
71	1	610.89	183.42	-0.32	10.55	0.0	10.68	-2.24	1.88	0.15	-193.01	2.74

		-44.25	-193.01	2.89e-03	0.0	200.4	12.92	8.31	1.88	0.15	183.42	610.89
71	2	1311.55	505.86	-0.39	40.43	0.0	12.59	-13.74	5.16	0.07	-528.63	14.51
		-450.35	-528.63	7.78e-03	0.0	200.4	21.19	26.69	5.16	0.07	505.86	1311.55
71	3	2565.67	989.56	-0.77	79.08	0.0	24.63	-26.88	10.10	0.14	-1034.11	28.39
		-880.98	-1034.11	0.02	0.0	200.4	41.45	52.20	10.10	0.14	989.56	2565.67
71	4	0.36	226.09	0.32	0.0	0.0	-46.99	-0.05	2.19	0.77	-213.08	0.36
		-10.52	-213.08	0.12	0.0	200.4	-46.99	-0.05	2.19	0.77	226.09	-10.52
71	5	0.36	226.09	0.32	0.0	0.0	-46.99	-0.05	2.19	0.77	-213.08	0.36
		-10.52	-213.08	0.12	0.0	200.4	-46.99	-0.05	2.19	0.77	226.09	-10.52
71	6	1.91	657.59	-1.37	0.0	0.0	10.35	-0.99	6.66	1.25	-677.65	1.91
		-195.53	-677.65	-0.14	0.0	200.4	10.35	-0.99	6.66	1.25	657.59	-195.53
71	7	1.50	517.75	-0.84	0.0	0.0	13.16	-0.80	5.26	1.62	-535.38	1.50
		-158.42	-535.38	0.14	0.0	200.4	13.16	-0.80	5.26	1.62	517.75	-158.42
71	8	0.11	72.03	0.10	0.0	0.0	-14.94	-0.02	0.70	0.25	-67.91	0.11
		-3.35	-67.91	0.04	0.0	200.4	-14.94	-0.02	0.70	0.25	72.03	-3.35
71	9	0.11	72.03	0.10	0.0	0.0	-14.94	-0.02	0.70	0.25	-67.91	0.11
		-3.35	-67.91	0.04	0.0	200.4	-14.94	-0.02	0.70	0.25	72.03	-3.35
71	10	0.72	225.63	-0.44	0.0	0.0	3.60	-0.37	2.29	0.43	-232.71	0.72
		-73.55	-232.71	-0.04	0.0	200.4	3.60	-0.37	2.29	0.43	225.63	-73.55
71	11	0.56	180.98	-0.27	0.0	0.0	4.29	-0.30	1.84	0.53	-187.17	0.56
		-59.53	-187.17	0.04	0.0	200.4	4.29	-0.30	1.84	0.53	180.98	-59.53
71	12	-0.02	6.36	-1.27e-05	0.0	0.0	0.16	-8.56e-04	-0.07	0.01	6.36	-0.02
		-0.19	-8.35	9.61e-04	0.0	200.4	0.16	-8.56e-04	-0.07	0.01	-8.35	-0.19
71	13	1108.96	569.88	-2.08	-100.19	0.0	-17.99	33.93	5.72	1.65	-576.18	-35.65
		-3274.54	-576.18	9.42e-03	0.0	200.4	-17.99	-66.26	5.72	1.65	569.88	-3274.54
72	1	596.46	228.36	-0.31	10.55	0.0	11.62	-2.31	-2.23	0.92	228.36	2.89
		-46.88	-218.00	-3.29e-03	0.0	200.4	13.87	8.24	-2.23	0.92	-218.00	596.46
72	2	1260.99	614.76	-0.36	40.43	0.0	14.42	-14.00	-6.01	3.21	614.76	15.86
		-466.51	-590.34	-8.75e-03	0.0	200.4	23.02	26.43	-6.01	3.21	-590.34	1260.99
72	3	2466.77	1202.61	-0.71	79.08	0.0	28.21	-27.38	-11.76	6.27	1202.61	31.03
		-912.59	-1154.82	-0.02	0.0	200.4	45.03	51.70	-11.76	6.27	-1154.82	2466.77
72	4	9.73	299.25	0.33	0.0	0.0	47.72	0.05	2.92	0.77	-286.87	-0.55
		-0.55	-286.87	0.12	0.0	200.4	47.72	0.05	2.92	0.77	299.25	9.73
72	5	9.73	299.25	0.33	0.0	0.0	47.72	0.05	2.92	0.77	-286.87	-0.55
		-0.55	-286.87	0.12	0.0	200.4	47.72	0.05	2.92	0.77	299.25	9.73
72	6	1.95	299.48	-1.37	0.0	0.0	8.37	-0.93	-2.95	1.26	299.48	1.95
		-184.33	-291.70	-0.14	0.0	200.4	8.37	-0.93	-2.95	1.26	-291.70	-184.33
72	7	1.50	232.96	-0.82	0.0	0.0	-11.60	-0.75	-2.30	1.66	232.96	1.50
		-149.15	-227.05	0.14	0.0	200.4	-11.60	-0.75	-2.30	1.66	-227.05	-149.15
72	8	3.09	95.23	0.11	0.0	0.0	15.17	0.02	0.93	0.25	-91.30	-0.17
		-0.17	-91.30	0.04	0.0	200.4	15.17	0.02	0.93	0.25	95.23	3.09
72	9	3.09	95.23	0.11	0.0	0.0	15.17	0.02	0.93	0.25	-91.30	-0.17
		-0.17	-91.30	0.04	0.0	200.4	15.17	0.02	0.93	0.25	95.23	3.09
72	10	0.73	104.65	-0.44	0.0	0.0	2.72	-0.35	-1.03	0.44	104.65	0.73
		-69.31	-101.72	-0.04	0.0	200.4	2.72	-0.35	-1.03	0.44	-101.72	-69.31
72	11	0.56	81.41	-0.26	0.0	0.0	-3.71	-0.28	-0.80	0.55	81.41	0.56
		-56.04	-79.22	0.04	0.0	200.4	-3.71	-0.28	-0.80	0.55	-79.22	-56.04
72	12	0.09	5.18	1.81e-04	0.0	0.0	-0.18	-1.59e-03	-0.06	-1.40e-03	5.18	0.09
		-0.23	-7.23	9.92e-04	0.0	200.4	-0.18	-1.59e-03	-0.06	-1.40e-03	-7.23	-0.23
72	13	1148.62	1094.85	-2.13	-100.19	0.0	-53.06	34.59	11.11	-6.06	-1131.39	-38.89
		-3146.42	-1131.39	0.02	0.0	200.4	-53.06	-65.60	11.11	-6.06	1094.85	-3146.42
73	1	483.27	378.53	-0.24	10.55	0.0	-1.65	-2.87	-3.56	1.49	378.53	0.68
		-76.84	-334.54	-6.36e-03	0.0	200.4	0.60	7.68	-3.56	1.49	-334.54	483.27
73	2	1662.82	980.58	-0.12	80.85	0.0	-13.64	-32.19	-9.21	4.62	980.58	13.36
		-1266.68	-865.37	-0.02	0.0	200.4	3.57	48.66	-9.21	4.62	-865.37	1662.82
73	3	3252.84	1918.22	-0.24	158.16	0.0	-26.67	-62.98	-18.02	9.03	1918.22	26.13
		-2477.90	-1692.85	-0.03	0.0	200.4	6.98	95.18	-18.02	9.03	-1692.85	3252.84
73	4	-0.24	266.17	0.37	0.0	0.0	-0.98	-0.08	-2.48	0.94	266.17	-0.24
		-16.45	-231.77	0.12	0.0	200.4	-0.98	-0.08	-2.48	0.94	-231.77	-16.45
73	5	-0.24	266.17	0.37	0.0	0.0	-0.98	-0.08	-2.48	0.94	266.17	-0.24
		-16.45	-231.77	0.12	0.0	200.4	-0.98	-0.08	-2.48	0.94	-231.77	-16.45
73	6	-1.04	773.10	-1.36	0.0	0.0	-1.34	-0.59	8.07	1.49	-844.53	-1.04
		-116.43	-844.53	-0.14	0.0	200.4	-1.34	-0.59	8.07	1.49	773.10	-116.43
73	7	-0.74	612.51	-0.76	0.0	0.0	-1.58	-0.48	6.43	1.82	-676.28	-0.74
		-95.09	-676.28	0.14	0.0	200.4	-1.58	-0.48	6.43	1.82	612.51	-95.09
73	8	-0.08	85.40	0.12	0.0	0.0	-0.31	-0.03	-0.80	0.30	85.40	-0.08
		-5.23	-74.39	0.04	0.0	200.4	-0.31	-0.03	-0.80	0.30	-74.39	-5.23
73	9	-0.08	85.40	0.12	0.0	0.0	-0.31	-0.03	-0.80	0.30	85.40	-0.08
		-5.23	-74.39	0.04	0.0	200.4	-0.31	-0.03	-0.80	0.30	-74.39	-5.23
73	10	-0.37	255.11	-0.43	0.0	0.0	-0.45	-0.22	2.67	0.53	-279.05	-0.37
		-43.44	-279.05	-0.04	0.0	200.4	-0.45	-0.22	2.67	0.53	255.11	-43.44
73	11	-0.27	206.72	-0.25	0.0	0.0	-0.58	-0.18	2.17	0.62	-228.36	-0.27
		-35.56	-228.36	0.04	0.0	200.4	-0.58	-0.18	2.17	0.62	206.72	-35.56
73	12	2.34	0.90	-1.25e-03	0.0	0.0	-1.98e-03	0.01	-9.43e-03	-0.04	0.90	7.33e-03
		7.33e-03	-0.99	1.06e-03	0.0	200.4	-1.98e-03	0.01	-9.43e-03	-0.04	-0.99	2.34
73	13	3148.21	3070.51	-2.62	-200.39	0.0	6.17	79.92	32.27	-9.33	-3396.94	-33.77

		-4096.96	-3396.94	0.06	0.0	200.4	6.17	-120.47	32.27	-9.33	3070.51	-4096.96
74	1	404.05	97.65	-0.18	10.55	0.0	-1.15	-3.27	1.07	0.74	-116.99	2.32
		-99.21	-116.99	2.22e-03	0.0	200.4	1.09	7.28	1.07	0.74	97.65	404.05
74	2	1457.94	276.64	0.10	80.85	0.0	-12.42	-33.25	3.03	-0.34	-330.67	20.22
		-1344.30	-330.67	6.23e-03	0.0	200.4	4.78	47.60	3.03	-0.34	276.64	1457.94
74	3	2852.04	541.16	0.19	158.16	0.0	-24.30	-65.04	5.93	-0.67	-646.86	39.56
		-2629.73	-646.86	0.01	0.0	200.4	9.36	93.12	5.93	-0.67	541.16	2852.04
74	4	0.91	418.98	0.41	0.0	0.0	1.54	-0.14	-3.91	0.78	418.98	0.91
		-27.47	-364.49	0.12	0.0	200.4	1.54	-0.14	-3.91	0.78	-364.49	-27.47
74	5	0.91	418.98	0.41	0.0	0.0	1.54	-0.14	-3.91	0.78	418.98	0.91
		-27.47	-364.49	0.12	0.0	200.4	1.54	-0.14	-3.91	0.78	-364.49	-27.47
74	6	66.92	1405.39	-1.33	0.0	0.0	-3.66	0.34	14.84	1.81	-1568.01	-0.56
		-0.56	-1568.01	-0.14	0.0	200.4	-3.66	0.34	14.84	1.81	1405.39	66.92
74	7	53.58	844.99	-0.70	0.0	0.0	-2.06	0.27	8.92	2.05	-943.01	-0.42
		-0.42	-943.01	0.14	0.0	200.4	-2.06	0.27	8.92	2.05	844.99	53.58
74	8	0.29	133.51	0.13	0.0	0.0	0.49	-0.05	-1.25	0.25	133.51	0.29
		-8.73	-116.16	0.04	0.0	200.4	0.49	-0.05	-1.25	0.25	-116.16	-8.73
74	9	0.29	133.51	0.13	0.0	0.0	0.49	-0.05	-1.25	0.25	133.51	0.29
		-8.73	-116.16	0.04	0.0	200.4	0.49	-0.05	-1.25	0.25	-116.16	-8.73
74	10	24.51	460.47	-0.42	0.0	0.0	-1.17	0.12	4.86	0.66	-513.95	-0.19
		-0.19	-513.95	-0.04	0.0	200.4	-1.17	0.12	4.86	0.66	460.47	24.51
74	11	19.79	281.54	-0.23	0.0	0.0	-0.70	0.10	2.97	0.71	-314.18	-0.15
		-0.15	-314.18	0.04	0.0	200.4	-0.70	0.10	2.97	0.71	281.54	19.79
74	12	4.79	1.34	-2.91e-03	0.0	0.0	0.01	0.02	-0.01	-9.75e-03	1.34	-0.18
		-0.18	-1.04	1.15e-03	0.0	200.4	0.01	0.02	-0.01	-9.75e-03	-1.04	4.79
74	13	3350.30	3050.34	-2.79	-200.39	0.0	-4.93	82.63	32.07	3.22	-3375.76	-50.89
		-3570.35	-3375.76	0.06	0.0	200.4	-4.93	-117.76	32.07	3.22	3050.34	-3570.35
75	1	423.41	144.40	-0.16	10.55	0.0	7.31	-3.19	1.48	0.05	-151.26	6.59
		-90.23	-151.26	2.26e-03	0.0	200.4	9.55	7.35	1.48	0.05	144.40	423.41
75	2	922.98	402.49	-0.14	40.43	0.0	5.49	-15.75	4.10	-4.17	-418.37	28.04
		-585.66	-418.37	6.14e-03	0.0	200.4	14.09	24.68	4.10	-4.17	402.49	922.98
75	3	1805.54	787.36	-0.27	79.08	0.0	10.74	-30.80	8.01	-8.15	-818.42	54.84
		-1145.67	-818.42	0.01	0.0	200.4	27.56	48.28	8.01	-8.15	787.36	1805.54
75	4	0.97	278.94	0.43	0.0	0.0	-48.72	-0.07	2.74	-0.41	-269.44	0.97
		-13.88	-269.44	0.12	0.0	200.4	-48.72	-0.07	2.74	-0.41	278.94	-13.88
75	5	0.97	278.94	0.43	0.0	0.0	-48.72	-0.07	2.74	-0.41	-269.44	0.97
		-13.88	-269.44	0.12	0.0	200.4	-48.72	-0.07	2.74	-0.41	278.94	-13.88
75	6	0.48	835.15	-1.30	0.0	0.0	9.42	-0.31	8.45	2.00	-857.85	0.48
		-61.87	-857.85	-0.14	0.0	200.4	9.42	-0.31	8.45	2.00	835.15	-61.87
75	7	0.37	420.25	-0.65	0.0	0.0	12.66	-0.22	4.26	2.22	-432.96	0.37
		-44.46	-432.96	0.14	0.0	200.4	12.66	-0.22	4.26	2.22	420.25	-44.46
75	8	0.31	88.71	0.14	0.0	0.0	-15.49	-0.02	0.87	-0.13	-85.69	0.31
		-4.42	-85.69	0.04	0.0	200.4	-15.49	-0.02	0.87	-0.13	88.71	-4.42
75	9	0.31	88.71	0.14	0.0	0.0	-15.49	-0.02	0.87	-0.13	-85.69	0.31
		-4.42	-85.69	0.04	0.0	200.4	-15.49	-0.02	0.87	-0.13	88.71	-4.42
75	10	0.18	272.82	-0.41	0.0	0.0	3.24	-0.12	2.76	0.73	-280.31	0.18
		-22.95	-280.31	-0.04	0.0	200.4	3.24	-0.12	2.76	0.73	272.82	-22.95
75	11	0.14	140.01	-0.21	0.0	0.0	4.08	-0.08	1.42	0.78	-144.25	0.14
		-16.47	-144.25	0.04	0.0	200.4	4.08	-0.08	1.42	0.78	140.01	-16.47
75	12	1.87	6.85	-8.74e-04	0.0	0.0	-0.10	0.01	-0.09	0.11	6.85	-0.20
		-0.20	-10.48	1.26e-03	0.0	200.4	-0.10	0.01	-0.09	0.11	-10.48	1.87
75	13	1453.02	1344.24	-2.34	-100.19	0.0	10.01	39.05	13.59	12.85	-1379.54	-69.39
		-2283.87	-1379.54	0.02	0.0	200.4	10.01	-61.15	13.59	12.85	1344.24	-2283.87
76	1	-4370.71	115.22	0.08	-29.66	0.0	5.12	-58.51	1.41	-0.38	-25.91	-4370.71
		-1.172e+04	-25.91	-1.59e-04	0.0	100.2	11.43	-88.17	1.41	-0.38	115.22	-1.172e+04
76	2	-3961.88	415.70	0.09	0.0	0.0	4.63	-39.97	5.01	63.72	-85.81	-3961.88
		-7966.97	-85.81	-3.91e-04	0.0	100.2	4.63	-39.97	5.01	63.72	415.70	-7966.97
76	3	-7750.28	813.20	0.17	0.0	0.0	9.06	-78.20	9.79	124.65	-167.87	-7750.28
		-1.559e+04	-167.87	-7.66e-04	0.0	100.2	9.06	-78.20	9.79	124.65	813.20	-1.559e+04
76	4	592.63	139.72	0.22	0.0	0.0	-45.95	3.24	-10.80	-6.19	139.72	267.84
		267.84	-989.61	-0.06	0.0	100.2	-45.95	3.24	-10.80	-6.19	-989.61	592.63
76	5	592.63	139.72	0.22	0.0	0.0	-45.95	3.24	-10.80	-6.19	139.72	267.84
		267.84	-989.61	-0.06	0.0	100.2	-45.95	3.24	-10.80	-6.19	-989.61	592.63
76	6	2724.67	360.00	0.32	0.0	0.0	10.07	14.44	4.69	-33.26	-142.21	1278.66
		1278.66	-142.21	0.07	0.0	100.2	10.07	14.44	4.69	-33.26	360.00	2724.67
76	7	3944.32	875.84	0.64	0.0	0.0	20.88	20.97	10.90	-29.81	-227.18	1844.09
		1844.09	-227.18	-0.07	0.0	100.2	20.88	20.97	10.90	-29.81	875.84	3944.32
76	8	188.75	44.74	0.07	0.0	0.0	-14.61	1.03	-3.43	-1.97	44.74	85.31
		85.31	-314.79	-0.02	0.0	100.2	-14.61	1.03	-3.43	-1.97	-314.79	188.75
76	9	188.75	44.74	0.07	0.0	0.0	-14.61	1.03	-3.43	-1.97	44.74	85.31
		85.31	-314.79	-0.02	0.0	100.2	-14.61	1.03	-3.43	-1.97	-314.79	188.75
76	10	1004.22	119.93	0.10	0.0	0.0	3.25	5.32	1.56	-11.63	-46.49	472.00
		472.00	-46.49	0.02	0.0	100.2	3.25	5.32	1.56	-11.63	119.93	1004.22
76	11	1453.00	282.71	0.20	0.0	0.0	6.66	7.72	3.53	-10.85	-74.45	680.05
		680.05	-74.45	-0.02	0.0	100.2	6.66	7.72	3.53	-10.85	282.71	1453.00
76	12	4.10	263.26	-1.68e-04	0.0	0.0	0.10	0.02	1.36	-2.06	127.11	1.90

		1.90	127.11	1.11e-03	0.0	100.2	0.10	0.02	1.36	-2.06	263.26	4.10
76	13	1.940e+04	1056.28	1.12	0.0	0.0	16.03	97.35	14.77	-195.43	-423.75	9641.49
		9641.49	-423.75	2.00e-03	0.0	100.2	16.03	97.35	14.77	-195.43	1056.28	1.940e+04
77	1	-8712.01	5.37	0.14	-29.66	0.0	0.16	-101.88	-0.42	-8.00	5.37	-8712.01
		-2.041e+04	-36.89	-4.99e-05	0.0	100.2	6.48	-131.54	-0.42	-8.00	-36.89	-2.041e+04
77	2	-9998.26	12.27	0.18	0.0	0.0	2.45	-100.40	-1.05	-24.66	12.27	-9998.26
		-2.006e+04	-92.85	3.19e-05	0.0	100.2	2.45	-100.40	-1.05	-24.66	-92.85	-2.006e+04
77	3	-1.956e+04	24.00	0.35	0.0	0.0	4.78	-196.40	-2.05	-48.25	24.00	-1.956e+04
		-3.924e+04	-181.64	6.24e-05	0.0	100.2	4.78	-196.40	-2.05	-48.25	-181.64	-3.924e+04
77	4	-323.83	158.99	0.16	0.0	0.0	-3.65	-3.65	-19.28	10.75	158.99	-323.83
		-689.34	-1802.87	-0.06	0.0	100.2	-3.65	-3.65	-19.28	10.75	-1802.87	-689.34
77	5	-323.83	158.99	0.16	0.0	0.0	-3.65	-3.65	-19.28	10.75	158.99	-323.83
		-689.34	-1802.87	-0.06	0.0	100.2	-3.65	-3.65	-19.28	10.75	-1802.87	-689.34
77	6	9173.59	510.43	0.41	0.0	0.0	13.83	48.10	6.11	-24.48	-131.02	4353.97
		4353.97	-131.02	0.07	0.0	100.2	13.83	48.10	6.11	-24.48	510.43	9173.59
77	7	1.129e+04	764.04	0.68	0.0	0.0	22.84	59.19	9.14	-18.66	-160.68	5360.51
		5360.51	-160.68	-0.07	0.0	100.2	22.84	59.19	9.14	-18.66	764.04	1.129e+04
77	8	-102.98	50.86	0.05	0.0	0.0	-1.16	-1.16	-6.13	3.42	50.86	-102.98
		-219.21	-573.22	-0.02	0.0	100.2	-1.16	-1.16	-6.13	3.42	-573.22	-219.21
77	9	-102.98	50.86	0.05	0.0	0.0	-1.16	-1.16	-6.13	3.42	50.86	-102.98
		-219.21	-573.22	-0.02	0.0	100.2	-1.16	-1.16	-6.13	3.42	-573.22	-219.21
77	10	3442.83	172.62	0.13	0.0	0.0	4.86	18.05	2.06	-8.08	-42.95	1634.16
		1634.16	-42.95	0.02	0.0	100.2	4.86	18.05	2.06	-8.08	172.62	3442.83
77	11	4238.46	248.40	0.22	0.0	0.0	7.79	22.22	2.98	-6.44	-53.25	2012.55
		2012.55	-53.25	-0.02	0.0	100.2	7.79	22.22	2.98	-6.44	248.40	4238.46
77	12	4.12	136.00	-5.48e-05	0.0	0.0	0.01	0.02	0.67	-0.23	69.19	2.06
		2.06	69.19	7.52e-04	0.0	100.2	0.01	0.02	0.67	-0.23	136.00	4.12
77	13	5.017e+04	1251.98	1.08	0.0	0.0	50.00	251.13	16.13	33.62	-364.08	2.501e+04
		2.501e+04	-364.08	1.55e-03	0.0	100.2	50.00	251.13	16.13	33.62	1251.98	5.017e+04
78	1	-8122.09	9.54	0.14	-29.66	0.0	0.48	-95.99	0.12	2.93	-2.36	-8122.09
		-1.923e+04	-2.36	-8.17e-05	0.0	100.2	6.79	-125.65	0.12	2.93	9.54	-1.923e+04
78	2	-8953.70	24.44	0.16	0.0	0.0	3.11	-89.97	0.31	7.15	-6.40	-8953.70
		-1.797e+04	-6.40	-1.17e-04	0.0	100.2	3.11	-89.97	0.31	7.15	24.44	-1.797e+04
78	3	-1.752e+04	47.80	0.32	0.0	0.0	6.09	-176.00	0.60	13.99	-12.52	-1.752e+04
		-3.515e+04	-12.52	-2.29e-04	0.0	100.2	6.09	-176.00	0.60	13.99	47.80	-3.515e+04
78	4	-218.70	157.23	0.09	0.0	0.0	-1.94	-2.45	-18.62	-12.86	157.23	-218.70
		-464.28	-1740.68	-0.06	0.0	100.2	-1.94	-2.45	-18.62	-12.86	-1740.68	-464.28
78	5	-218.70	157.23	0.09	0.0	0.0	-1.94	-2.45	-18.62	-12.86	157.23	-218.70
		-464.28	-1740.68	-0.06	0.0	100.2	-1.94	-2.45	-18.62	-12.86	-1740.68	-464.28
78	6	1.093e+04	451.01	0.49	0.0	0.0	17.89	57.05	5.26	-25.49	-103.99	5218.74
		5218.74	-103.99	0.07	0.0	100.2	17.89	57.05	5.26	-25.49	451.01	1.093e+04
78	7	1.250e+04	484.86	0.65	0.0	0.0	22.46	65.34	5.40	21.90	-74.74	5957.51
		5957.51	-74.74	-0.07	0.0	100.2	22.46	65.34	5.40	21.90	484.86	1.250e+04
78	8	-69.58	50.25	0.03	0.0	0.0	-0.62	-0.78	-5.92	-4.09	50.25	-69.58
		-147.71	-553.48	-0.02	0.0	100.2	-0.62	-0.78	-5.92	-4.09	-553.48	-147.71
78	9	-69.58	50.25	0.03	0.0	0.0	-0.62	-0.78	-5.92	-4.09	50.25	-69.58
		-147.71	-553.48	-0.02	0.0	100.2	-0.62	-0.78	-5.92	-4.09	-553.48	-147.71
78	10	4106.59	154.55	0.16	0.0	0.0	6.32	21.42	1.79	-8.35	-33.86	1960.14
		1960.14	-33.86	0.02	0.0	100.2	6.32	21.42	1.79	-8.35	154.55	4106.59
78	11	4693.89	163.64	0.21	0.0	0.0	7.77	24.53	1.82	7.14	-24.49	2236.56
		2236.56	-24.49	-0.02	0.0	100.2	7.77	24.53	1.82	7.14	163.64	4693.89
78	12	0.29	65.37	1.22e-04	0.0	0.0	7.92e-03	1.47e-03	0.31	-0.33	34.48	0.15
		0.15	34.48	3.96e-04	0.0	100.2	7.92e-03	1.47e-03	0.31	-0.33	65.37	0.29
78	13	4.453e+04	321.60	1.23	0.0	0.0	50.86	222.99	4.60	-29.48	-139.37	2.219e+04
		2.219e+04	-139.37	9.47e-04	0.0	100.2	50.86	222.99	4.60	-29.48	321.60	4.453e+04
79	1	-8107.34	-0.59	0.14	-29.66	0.0	0.44	-95.85	-6.99e-03	-0.01	-0.59	-8107.34
		-1.920e+04	-1.29	-8.25e-05	0.0	100.2	6.75	-125.51	-6.99e-03	-0.01	-1.29	-1.920e+04
79	2	-8990.61	-0.96	0.17	0.0	0.0	2.96	-90.34	3.20e-03	-1.33e-03	-1.28	-8990.61
		-1.804e+04	-1.28	-1.41e-04	0.0	100.2	2.96	-90.34	3.20e-03	-1.33e-03	-0.96	-1.804e+04
79	3	-1.759e+04	-1.87	0.32	0.0	0.0	5.80	-176.73	6.25e-03	-2.59e-03	-2.50	-1.759e+04
		-3.529e+04	-2.50	-2.75e-04	0.0	100.2	5.80	-176.73	6.25e-03	-2.59e-03	-1.87	-3.529e+04
79	4	-0.70	157.80	-3.31e-04	0.0	0.0	-1.23	-7.77e-03	-18.50	-14.43	157.80	-0.70
		-1.47	-1729.33	-0.06	0.0	100.2	-1.23	-7.77e-03	-18.50	-14.43	-1729.33	-1.47
79	5	-0.70	157.80	-3.31e-04	0.0	0.0	-1.23	-7.77e-03	-18.50	-14.43	157.80	-0.70
		-1.47	-1729.33	-0.06	0.0	100.2	-1.23	-7.77e-03	-18.50	-14.43	-1729.33	-1.47
79	6	1.077e+04	-53.07	0.57	0.0	0.0	18.22	56.50	2.77	-25.01	-53.07	5106.53
		5106.53	-262.51	0.07	0.0	100.2	18.22	56.50	2.77	-25.01	-262.51	1.077e+04
79	7	1.077e+04	262.58	0.57	0.0	0.0	18.53	56.51	-2.78	25.07	53.50	5108.11
		5108.11	53.50	-0.07	0.0	100.2	18.53	56.51	-2.78	25.07	262.58	1.077e+04
79	8	-0.22	50.36	-1.05e-04	0.0	0.0	-0.39	-2.47e-03	-5.88	-4.59	50.36	-0.22
		-0.47	-549.95	-0.02	0.0	100.2	-0.39	-2.47e-03	-5.88	-4.59	-549.95	-0.47
79	9	-0.22	50.36	-1.05e-04	0.0	0.0	-0.39	-2.47e-03	-5.88	-4.59	50.36	-0.22
		-0.47	-549.95	-0.02	0.0	100.2	-0.39	-2.47e-03	-5.88	-4.59	-549.95	-0.47
79	10	4038.65	-17.76	0.18	0.0	0.0	6.25	21.19	0.95	-8.26	-17.76	1915.47
		1915.47	-89.28	0.02	0.0	100.2	6.25	21.19	0.95	-8.26	-89.28	4038.65
79	11	4039.79	89.20	0.18	0.0	0.0	6.34	21.20	-0.95	8.28	18.00	1916.09

		1916.09	18.00	-0.02	0.0	100.2	6.34	21.20	-0.95	8.28	89.20	4039.79
79	12	0.17	0.06	1.30e-04	0.0	0.0	7.65e-03	8.80e-04	4.30e-04	6.98e-06	0.01	0.09
		0.09	0.01	0.0	0.0	100.2	7.65e-03	8.80e-04	4.30e-04	6.98e-06	0.06	0.17
79	13	4.456e+04	7.03	1.25	0.0	0.0	52.19	223.12	0.06	0.04	1.30	2.220e+04
		2.220e+04	1.30	-2.16e-04	0.0	100.2	52.19	223.12	0.06	0.04	7.03	4.456e+04
80	1	-8122.16	1.20	0.14	-29.66	0.0	0.48	-95.99	-0.13	-2.95	1.20	-8122.16
		-1.923e+04	-12.10	-8.31e-05	0.0	100.2	6.79	-125.65	-0.13	-2.95	-12.10	-1.923e+04
80	2	-8954.20	3.92	0.16	0.0	0.0	3.13	-89.98	-0.30	-7.15	3.92	-8954.20
		-1.797e+04	-26.24	-1.64e-04	0.0	100.2	3.13	-89.98	-0.30	-7.15	-26.24	-1.797e+04
80	3	-1.752e+04	7.66	0.32	0.0	0.0	6.12	-176.01	-0.59	-13.99	7.66	-1.752e+04
		-3.515e+04	-51.34	-3.21e-04	0.0	100.2	6.12	-176.01	-0.59	-13.99	-51.34	-3.515e+04
80	4	464.71	157.23	-0.09	0.0	0.0	-2.99	2.46	-18.62	-12.86	157.23	218.90
		218.90	-1740.87	-0.06	0.0	100.2	-2.99	2.46	-18.62	-12.86	-1740.87	464.71
80	5	464.71	157.23	-0.09	0.0	0.0	-2.99	2.46	-18.62	-12.86	157.23	218.90
		218.90	-1740.87	-0.06	0.0	100.2	-2.99	2.46	-18.62	-12.86	-1740.87	464.71
80	6	1.250e+04	75.12	0.65	0.0	0.0	22.24	65.32	-5.40	-21.84	75.12	5954.90
		5954.90	-484.21	0.07	0.0	100.2	22.24	65.32	-5.40	-21.84	-484.21	1.250e+04
80	7	1.091e+04	103.67	0.49	0.0	0.0	18.18	56.92	-5.25	25.53	103.67	5207.21
		5207.21	-450.21	-0.07	0.0	100.2	18.18	56.92	-5.25	25.53	-450.21	1.091e+04
80	8	147.85	50.25	-0.03	0.0	0.0	-0.95	0.78	-5.92	-4.09	50.25	69.65
		69.65	-553.54	-0.02	0.0	100.2	-0.95	0.78	-5.92	-4.09	-553.54	147.85
80	9	147.85	50.25	-0.03	0.0	0.0	-0.95	0.78	-5.92	-4.09	50.25	69.65
		69.65	-553.54	-0.02	0.0	100.2	-0.95	0.78	-5.92	-4.09	-553.54	147.85
80	10	4692.12	24.64	0.21	0.0	0.0	7.71	24.52	-1.82	-7.12	24.64	2235.55
		2235.55	-163.43	0.02	0.0	100.2	7.71	24.52	-1.82	-7.12	-163.43	4692.12
80	11	4097.23	33.78	0.16	0.0	0.0	6.40	21.37	-1.79	8.36	33.78	1955.78
		1955.78	-154.14	-0.02	0.0	100.2	6.40	21.37	-1.79	8.36	-154.14	4097.23
80	12	0.30	-34.46	1.22e-04	0.0	0.0	1.98e-03	1.49e-03	-0.31	0.33	-34.46	0.15
		0.15	-65.26	-3.97e-04	0.0	100.2	1.98e-03	1.49e-03	-0.31	0.33	-65.26	0.30
80	13	4.454e+04	142.07	1.23	0.0	0.0	51.23	223.01	-4.50	29.58	142.07	2.219e+04
		2.219e+04	-308.88	-1.38e-03	0.0	100.2	51.23	223.01	-4.50	29.58	-308.88	4.454e+04
81	1	-8711.89	34.25	0.14	-29.66	0.0	0.15	-101.88	0.41	7.98	-6.67	-8711.89
		-2.041e+04	-6.67	-1.15e-04	0.0	100.2	6.46	-131.54	0.41	7.98	34.25	-2.041e+04
81	2	-9997.39	90.84	0.18	0.0	0.0	2.42	-100.39	1.06	24.68	-15.10	-9997.39
		-2.006e+04	-15.10	-2.67e-04	0.0	100.2	2.42	-100.39	1.06	24.68	90.84	-2.006e+04
81	3	-1.956e+04	177.70	0.35	0.0	0.0	4.73	-196.39	2.07	48.28	-29.53	-1.956e+04
		-3.923e+04	-29.53	-5.22e-04	0.0	100.2	4.73	-196.39	2.07	48.28	177.70	-3.923e+04
81	4	689.33	158.98	-0.16	0.0	0.0	-4.96	3.65	-19.28	10.73	158.98	323.82
		323.82	-1803.35	-0.06	0.0	100.2	-4.96	3.65	-19.28	10.73	-1803.35	689.33
81	5	689.33	158.98	-0.16	0.0	0.0	-4.96	3.65	-19.28	10.73	158.98	323.82
		323.82	-1803.35	-0.06	0.0	100.2	-4.96	3.65	-19.28	10.73	-1803.35	689.33
81	6	1.129e+04	160.33	0.68	0.0	0.0	22.82	59.15	-9.13	18.63	160.33	5358.96
		5358.96	-763.58	0.07	0.0	100.2	22.82	59.15	-9.13	18.63	-763.58	1.129e+04
81	7	9155.12	130.22	0.41	0.0	0.0	14.24	48.01	-6.12	24.49	130.22	4344.55
		4344.55	-512.66	-0.07	0.0	100.2	14.24	48.01	-6.12	24.49	-512.66	9155.12
81	8	219.21	50.85	-0.05	0.0	0.0	-1.58	1.16	-6.13	3.41	50.85	102.98
		102.98	-573.37	-0.02	0.0	100.2	-1.58	1.16	-6.13	3.41	-573.37	219.21
81	9	219.21	50.85	-0.05	0.0	0.0	-1.58	1.16	-6.13	3.41	50.85	102.98
		102.98	-573.37	-0.02	0.0	100.2	-1.58	1.16	-6.13	3.41	-573.37	219.21
81	10	4236.27	53.09	0.22	0.0	0.0	7.79	22.20	-2.98	6.44	53.09	2011.96
		2011.96	-248.23	0.02	0.0	100.2	7.79	22.20	-2.98	6.44	-248.23	4236.27
81	11	3435.82	42.65	0.13	0.0	0.0	4.98	18.02	-2.06	8.09	42.65	1630.59
		1630.59	-173.44	-0.02	0.0	100.2	4.98	18.02	-2.06	8.09	-173.44	3435.82
81	12	4.12	-69.17	-5.48e-05	0.0	0.0	-6.17e-04	0.02	-0.67	0.23	-69.17	2.06
		2.06	-135.89	-7.53e-04	0.0	100.2	-6.17e-04	0.02	-0.67	0.23	-135.89	4.12
81	13	5.017e+04	368.43	1.08	0.0	0.0	50.95	251.12	-16.08	-33.51	368.43	2.501e+04
		2.501e+04	-1242.18	-1.97e-03	0.0	100.2	50.95	251.12	-16.08	-33.51	-1242.18	5.017e+04
82	1	-4368.77	25.31	0.08	-29.66	0.0	5.34	-58.49	-1.41	0.37	25.31	-4368.77
		-1.172e+04	-115.96	3.96e-05	0.0	100.2	11.65	-88.15	-1.41	0.37	-115.96	-1.172e+04
82	2	-3947.12	84.75	0.09	0.0	0.0	4.88	-39.82	-5.00	-63.64	84.75	-3947.12
		-7936.52	-415.87	1.98e-04	0.0	100.2	4.88	-39.82	-5.00	-63.64	-415.87	-7936.52
82	3	-7721.40	165.79	0.17	0.0	0.0	9.55	-77.89	-9.77	-124.49	165.79	-7721.40
		-1.553e+04	-813.52	3.88e-04	0.0	100.2	9.55	-77.89	-9.77	-124.49	-813.52	-1.553e+04
82	4	-267.30	142.44	-0.22	0.0	0.0	44.65	-3.24	-10.75	-6.18	142.44	-267.30
		-591.52	-980.49	-0.06	0.0	100.2	44.65	-3.24	-10.75	-6.18	-980.49	-591.52
82	5	-267.30	142.44	-0.22	0.0	0.0	44.65	-3.24	-10.75	-6.18	142.44	-267.30
		-591.52	-980.49	-0.06	0.0	100.2	44.65	-3.24	-10.75	-6.18	-980.49	-591.52
82	6	3964.85	226.74	0.64	0.0	0.0	20.86	21.08	-10.86	29.80	226.74	1853.28
		1853.28	-872.47	0.07	0.0	100.2	20.86	21.08	-10.86	29.80	-872.47	3964.85
82	7	2730.96	141.39	0.32	0.0	0.0	9.91	14.48	-4.68	33.27	141.39	1281.44
		1281.44	-359.32	-0.07	0.0	100.2	9.91	14.48	-4.68	33.27	-359.32	2730.96
82	8	-85.13	45.60	-0.07	0.0	0.0	14.20	-1.03	-3.42	-1.97	45.60	-85.13
		-188.39	-311.89	-0.02	0.0	100.2	14.20	-1.03	-3.42	-1.97	-311.89	-188.39
82	9	-85.13	45.60	-0.07	0.0	0.0	14.20	-1.03	-3.42	-1.97	45.60	-85.13
		-188.39	-311.89	-0.02	0.0	100.2	14.20	-1.03	-3.42	-1.97	-311.89	-188.39
82	10	1461.11	74.23	0.20	0.0	0.0	6.65	7.76	-3.51	10.84	74.23	683.68

		683.68	-281.67	0.02	0.0	100.2	6.65	7.76	-3.51	10.84	-281.67	1461.11
82	11	1006.72	46.16	0.10	0.0	0.0	3.20	5.33	-1.56	11.63	46.16	473.10
		473.10	-119.75	-0.02	0.0	100.2	3.20	5.33	-1.56	11.63	-119.75	1006.72
82	12	4.12	-127.89	-1.68e-04	0.0	0.0	0.08	0.02	-1.36	2.06	-127.89	1.91
		1.91	-264.37	-1.12e-03	0.0	100.2	0.08	0.02	-1.36	2.06	-264.37	4.12
82	13	1.932e+04	425.14	1.12	0.0	0.0	16.32	96.95	-14.73	195.41	425.14	9604.18
		9604.18	-1051.06	-2.44e-03	0.0	100.2	16.32	96.95	-14.73	195.41	-1051.06	1.932e+04
83	1	1260.32	211.34	-0.04	-3.22	0.0	0.13	44.48	-2.73	-1.35	211.34	-111.41
		-111.41	135.06	1.63e-03	0.69	32.0	0.13	41.26	-2.04	-1.35	135.06	1260.32
83	2	3040.04	758.72	-0.10	0.0	0.0	-0.10	105.86	-17.49	1.95	758.72	-347.62
		-347.62	198.90	5.17e-03	0.0	32.0	-0.10	105.86	-17.49	1.95	198.90	3040.04
83	3	5946.95	1484.22	-0.19	0.0	0.0	-0.19	207.09	-34.22	3.81	1484.22	-680.03
		-680.03	389.09	0.01	0.0	32.0	-0.19	207.09	-34.22	3.81	389.09	5946.95
83	4	-962.42	594.50	0.01	0.0	0.0	-37.94	4.16	53.52	0.97	-1157.93	-1082.70
		-1082.70	-1157.93	-0.03	0.0	32.0	-37.94	4.16	53.52	0.97	594.50	-962.42
83	5	-962.42	594.50	0.01	0.0	0.0	-37.94	4.16	53.52	0.97	-1157.93	-1082.70
		-1082.70	-1157.93	-0.03	0.0	32.0	-37.94	4.16	53.52	0.97	594.50	-962.42
83	6	-175.98	784.58	-0.01	0.0	0.0	-7.25	-9.62	-18.27	4.23	784.58	-175.98
		-303.50	290.83	6.14e-03	0.0	32.0	-7.25	-9.62	-18.27	4.23	290.83	-303.50
83	7	151.73	1667.28	-0.01	0.0	0.0	-6.67	-13.84	-41.71	3.64	1667.28	151.73
		-440.58	376.49	-0.01	0.0	32.0	-6.67	-13.84	-41.71	3.64	376.49	-440.58
83	8	-305.99	189.04	3.27e-03	0.0	0.0	-12.06	1.32	17.02	0.31	-368.17	-344.23
		-344.23	-368.17	-8.83e-03	0.0	32.0	-12.06	1.32	17.02	0.31	189.04	-305.99
83	9	-305.99	189.04	3.27e-03	0.0	0.0	-12.06	1.32	17.02	0.31	-368.17	-344.23
		-344.23	-368.17	-8.83e-03	0.0	32.0	-12.06	1.32	17.02	0.31	189.04	-305.99
83	10	-56.43	260.38	-4.41e-03	0.0	0.0	-2.31	-3.56	-6.00	1.47	260.38	-56.43
		-109.21	96.68	1.99e-03	0.0	32.0	-2.31	-3.56	-6.00	1.47	96.68	-109.21
83	11	49.33	541.69	-3.36e-03	0.0	0.0	-2.13	-5.16	-13.44	1.31	541.69	49.33
		-159.42	126.76	-4.16e-03	0.0	32.0	-2.13	-5.16	-13.44	1.31	126.76	-159.42
83	12	-196.42	21.62	1.18e-03	0.0	0.0	-12.43	0.62	4.02	0.15	-107.10	-216.29
		-216.29	-107.10	1.27e-04	0.0	32.0	-12.43	0.62	4.02	0.15	21.62	-196.42
83	13	806.67	2606.05	0.21	0.0	0.0	-3.30	-263.31	-60.38	0.48	2606.05	806.67
		-7619.22	673.73	0.02	0.0	32.0	-3.30	-263.31	-60.38	0.48	673.73	-7619.22
84	1	4484.89	416.95	-0.14	-16.62	0.0	0.07	27.85	-6.40	0.94	416.95	1259.77
		1259.77	-347.06	0.04	3.53	165.0	0.07	11.24	-2.86	0.94	-347.06	4484.89
84	2	1.296e+04	982.74	-0.36	0.0	0.0	-0.28	60.17	-12.38	0.06	982.74	3035.06
		3035.06	-1059.32	0.11	0.0	165.0	-0.28	60.17	-12.38	0.06	-1059.32	1.296e+04
84	3	2.536e+04	1922.45	-0.70	0.0	0.0	-0.56	117.71	-24.21	0.12	1922.45	5937.21
		5937.21	-2072.26	0.22	0.0	165.0	-0.56	117.71	-24.21	0.12	-2072.26	2.536e+04
84	4	-438.72	656.48	0.04	0.0	0.0	-29.76	3.76	-6.94	-1.31	656.48	-961.89
		-961.89	-492.69	-0.08	0.0	165.0	-29.76	3.76	-6.94	-1.31	-492.69	-438.72
84	5	-438.72	656.48	0.04	0.0	0.0	-29.76	3.76	-6.94	-1.31	656.48	-961.89
		-961.89	-492.69	-0.08	0.0	165.0	-29.76	3.76	-6.94	-1.31	-492.69	-438.72
84	6	-303.59	1111.25	-0.07	0.0	0.0	-5.60	-6.93	-12.44	4.32	1111.25	-303.59
		-1400.99	-942.96	0.14	0.0	165.0	-5.60	-6.93	-12.44	4.32	-942.96	-1400.99
84	7	-440.56	1951.89	-0.05	0.0	0.0	-4.96	-9.85	-22.36	3.91	1951.89	-440.56
		-2042.57	-1738.65	0.12	0.0	165.0	-4.96	-9.85	-22.36	3.91	-1738.65	-2042.57
84	8	-139.58	208.87	0.01	0.0	0.0	-9.46	1.19	-2.21	-0.42	208.87	-305.82
		-305.82	-156.74	-0.02	0.0	165.0	-9.46	1.19	-2.21	-0.42	-156.74	-139.58
84	9	-139.58	208.87	0.01	0.0	0.0	-9.46	1.19	-2.21	-0.42	208.87	-305.82
		-305.82	-156.74	-0.02	0.0	165.0	-9.46	1.19	-2.21	-0.42	-156.74	-139.58
84	10	-109.25	370.12	-0.02	0.0	0.0	-1.78	-2.57	-4.15	1.51	370.12	-109.25
		-520.21	-314.55	0.04	0.0	165.0	-1.78	-2.57	-4.15	1.51	-314.55	-520.21
84	11	-159.43	642.26	-0.01	0.0	0.0	-1.58	-3.67	-7.36	1.42	642.26	-159.43
		-758.80	-572.40	0.04	0.0	165.0	-1.58	-3.67	-7.36	1.42	-572.40	-758.80
84	12	-94.79	9.37	2.02e-03	0.0	0.0	-12.34	0.62	-0.08	0.05	9.37	-196.31
		-196.31	-3.03	6.02e-04	0.0	165.0	-12.34	0.62	-0.08	0.05	-3.03	-94.79
84	13	-7607.33	3329.79	0.73	0.0	0.0	-3.37	-148.48	-36.06	4.47	3329.79	-7607.33
		-3.211e+04	-2620.62	0.47	0.0	165.0	-3.37	-148.48	-36.06	4.47	-2620.62	-3.211e+04
85	1	4485.23	76.00	0.02	-16.62	0.0	-0.18	-1.79	-0.32	1.49	-162.29	4485.23
		2819.36	-164.47	-0.02	3.53	165.0	-0.18	-18.40	3.21	1.49	76.00	2819.36
85	2	1.296e+04	55.52	0.07	0.0	0.0	-0.99	-27.41	3.60	2.50	-539.27	1.296e+04
		8440.03	-539.27	-0.05	0.0	165.0	-0.99	-27.41	3.60	2.50	55.52	8440.03
85	3	2.536e+04	108.60	0.14	0.0	0.0	-1.93	-53.62	7.05	4.88	-1054.93	2.536e+04
		1.651e+04	-1054.93	-0.10	0.0	165.0	-1.93	-53.62	7.05	4.88	108.60	1.651e+04
85	4	274.73	359.06	0.04	0.0	0.0	-19.46	3.04	-4.67	-1.72	359.06	-438.83
		-438.83	-414.11	-0.08	0.0	165.0	-19.46	3.04	-4.67	-1.72	-414.11	274.73
85	5	274.73	359.06	0.04	0.0	0.0	-19.46	3.04	-4.67	-1.72	359.06	-438.83
		-438.83	-414.11	-0.08	0.0	165.0	-19.46	3.04	-4.67	-1.72	-414.11	274.73
85	6	-1190.52	737.85	-0.06	0.0	0.0	-3.90	1.82	-9.53	3.70	737.85	-1401.38
		-1401.38	-840.61	0.13	0.0	165.0	-3.90	1.82	-9.53	3.70	-840.61	-1190.52
85	7	-1730.33	990.71	-0.02	0.0	0.0	-2.89	2.36	-13.60	2.95	990.71	-2042.95
		-2042.95	-1266.28	0.05	0.0	165.0	-2.89	2.36	-13.60	2.95	-1266.28	-1730.33
85	8	87.54	114.69	0.01	0.0	0.0	-6.19	0.97	-1.49	-0.55	114.69	-139.61
		-139.61	-132.04	-0.03	0.0	165.0	-6.19	0.97	-1.49	-0.55	-132.04	87.54
85	9	87.54	114.69	0.01	0.0	0.0	-6.19	0.97	-1.49	-0.55	114.69	-139.61

		-139.61	-132.04	-0.03	0.0	165.0	-6.19	0.97	-1.49	-0.55	-132.04	87.54
85	10	-440.31	248.08	-0.02	0.0	0.0	-1.26	0.68	-3.20	1.26	248.08	-520.37
		-520.37	-281.57	0.04	0.0	165.0	-1.26	0.68	-3.20	1.26	-281.57	-440.31
85	11	-639.01	326.21	-6.87e-03	0.0	0.0	-0.97	0.89	-4.47	1.05	326.21	-758.96
		-758.96	-416.65	0.02	0.0	165.0	-0.97	0.89	-4.47	1.05	-416.65	-639.01
85	12	3.10	0.24	-1.92e-03	0.0	0.0	-12.30	0.59	5.61e-03	-0.04	-0.69	-94.80
		-94.80	-0.69	7.70e-04	0.0	165.0	-12.30	0.59	5.61e-03	-0.04	0.24	3.10
85	13	-2.063e+04	3218.92	-0.33	0.0	0.0	-7.30	69.52	-38.96	-1.34	3218.92	-3.211e+04
		-3.211e+04	-3209.55	0.57	0.0	165.0	-7.30	69.52	-38.96	-1.34	-3209.55	-2.063e+04
86	1	2820.88	683.56	0.11	-16.62	0.0	0.40	-32.10	5.70	1.52	-548.11	2820.88
		-3847.05	-548.11	-0.08	3.53	165.0	0.40	-48.72	9.23	1.52	683.56	-3847.05
86	2	8445.14	1645.53	0.32	0.0	0.0	0.54	-116.92	19.43	2.78	-1560.65	8445.14
		-1.085e+04	-1560.65	-0.20	0.0	165.0	0.54	-116.92	19.43	2.78	1645.53	-1.085e+04
86	3	1.652e+04	3219.01	0.62	0.0	0.0	1.07	-228.73	38.01	5.44	-3052.96	1.652e+04
		-2.122e+04	-3052.96	-0.39	0.0	165.0	1.07	-228.73	38.01	5.44	3219.01	-2.122e+04
86	4	556.42	218.36	0.05	0.0	0.0	-9.07	2.73	-3.62	-1.72	218.36	274.55
		274.55	-386.89	-0.12	0.0	165.0	-9.07	2.73	-3.62	-1.72	-386.89	556.42
86	5	556.42	218.36	0.05	0.0	0.0	-9.07	2.73	-3.62	-1.72	218.36	274.55
		274.55	-386.89	-0.12	0.0	165.0	-9.07	2.73	-3.62	-1.72	-386.89	556.42
86	6	855.31	-502.76	-0.05	0.0	0.0	-2.65	11.72	6.85	3.29	-502.76	-1191.12
		-1191.12	-636.57	0.09	0.0	165.0	-2.65	11.72	6.85	3.29	-636.57	855.31
86	7	1173.66	744.86	2.49e-03	0.0	0.0	-3.14	16.17	8.38	2.32	-659.65	-1731.01
		-1731.01	-659.65	-0.08	0.0	165.0	-3.14	16.17	8.38	2.32	744.86	1173.66
86	8	176.95	70.22	0.01	0.0	0.0	-2.88	0.87	-1.16	-0.55	70.22	87.49
		87.49	-123.69	-0.04	0.0	165.0	-2.88	0.87	-1.16	-0.55	-123.69	176.95
86	9	176.95	70.22	0.01	0.0	0.0	-2.88	0.87	-1.16	-0.55	70.22	87.49
		87.49	-123.69	-0.04	0.0	165.0	-2.88	0.87	-1.16	-0.55	-123.69	176.95
86	10	321.20	-177.87	-0.02	0.0	0.0	-0.89	4.39	2.40	1.08	-177.87	-440.54
		-440.54	-220.44	0.03	0.0	165.0	-0.89	4.39	2.40	1.08	-220.44	321.20
86	11	441.46	258.46	8.32e-04	0.0	0.0	-1.05	6.08	2.94	0.79	-233.84	-639.27
		-639.27	-233.84	-0.03	0.0	165.0	-1.05	6.08	2.94	0.79	258.46	441.46
86	12	98.15	2.49	-1.82e-03	0.0	0.0	-12.27	0.58	-0.06	-0.03	2.49	3.05
		3.05	-6.85	6.19e-04	0.0	165.0	-12.27	0.58	-0.06	-0.03	-6.85	98.15
86	13	2.763e+04	2674.32	-0.93	0.0	0.0	-11.28	292.60	-37.45	-2.26	2674.32	-2.065e+04
		-2.065e+04	-3504.33	0.46	0.0	165.0	-11.28	292.60	-37.45	-2.26	-3504.33	2.763e+04
87	1	-3846.08	278.10	0.01	-3.32	0.0	0.50	-63.50	0.58	5.93	247.23	-3846.08
		-5996.46	247.23	-2.51e-03	0.71	33.0	0.50	-66.82	1.29	5.93	278.10	-5996.46
87	2	-1.084e+04	952.11	0.04	0.0	0.0	0.85	-165.38	14.68	4.11	467.81	-1.084e+04
		-1.630e+04	467.81	-7.40e-03	0.0	33.0	0.85	-165.38	14.68	4.11	952.11	-1.630e+04
87	3	-2.121e+04	1862.52	0.07	0.0	0.0	1.66	-323.52	28.71	8.04	915.14	-2.121e+04
		-3.189e+04	915.14	-0.01	0.0	33.0	1.66	-323.52	28.71	8.04	1862.52	-3.189e+04
87	4	630.05	1189.72	0.01	0.0	0.0	-1.51	2.77	53.26	-1.57	-576.10	556.51
		556.51	-576.10	-0.03	0.0	33.0	-1.51	2.77	53.26	-1.57	1189.72	630.05
87	5	630.05	1189.72	0.01	0.0	0.0	-1.51	2.77	53.26	-1.57	-576.10	556.51
		556.51	-576.10	-0.03	0.0	33.0	-1.51	2.77	53.26	-1.57	1189.72	630.05
87	6	1423.41	435.73	-0.01	0.0	0.0	-2.18	18.24	12.30	4.32	-209.95	854.90
		854.90	-209.95	8.91e-03	0.0	33.0	-2.18	18.24	12.30	4.32	435.73	1423.41
87	7	1922.71	548.15	1.28e-03	0.0	0.0	-3.90	24.43	13.06	-3.99	-186.45	1173.13
		1173.13	-186.45	-0.02	0.0	33.0	-3.90	24.43	13.06	-3.99	548.15	1922.71
87	8	200.34	378.34	3.43e-03	0.0	0.0	-0.48	0.88	16.94	-0.50	-183.20	176.98
		176.98	-183.20	-9.60e-03	0.0	33.0	-0.48	0.88	16.94	-0.50	378.34	200.34
87	9	200.34	378.34	3.43e-03	0.0	0.0	-0.48	0.88	16.94	-0.50	-183.20	176.98
		176.98	-183.20	-9.60e-03	0.0	33.0	-0.48	0.88	16.94	-0.50	378.34	200.34
87	10	535.45	151.02	-3.67e-03	0.0	0.0	-0.75	6.84	4.11	1.50	-70.46	321.05
		321.05	-70.46	2.84e-03	0.0	33.0	-0.75	6.84	4.11	1.50	151.02	535.45
87	11	725.86	192.12	3.70e-04	0.0	0.0	-1.28	9.19	4.57	-1.46	-63.46	441.25
		441.25	-63.46	-6.97e-03	0.0	33.0	-1.28	9.19	4.57	-1.46	192.12	725.86
87	12	117.13	62.61	-2.56e-05	0.0	0.0	-12.20	0.58	2.34	6.13e-03	-14.63	98.15
		98.15	-14.63	5.17e-05	0.0	33.0	-12.20	0.58	2.34	6.13e-03	62.61	117.13
87	13	4.131e+04	-1256.88	-0.11	0.0	0.0	-11.18	414.71	-3.36	-7.16	-1256.88	2.762e+04
		2.762e+04	-1367.83	0.01	0.0	33.0	-11.18	414.71	-3.36	-7.16	-1367.83	4.131e+04
88	1	-4097.03	235.44	4.15e-03	-3.22	0.0	0.46	59.96	0.47	-4.70	209.40	-5964.18
		-5964.18	209.40	1.84e-03	0.69	32.0	0.46	56.74	1.16	-4.70	235.44	-4097.03
88	2	-1.147e+04	787.46	0.01	0.0	0.0	0.78	148.22	-10.87	-0.27	787.46	-1.621e+04
		-1.621e+04	439.70	5.78e-03	0.0	32.0	0.78	148.22	-10.87	-0.27	439.70	-1.147e+04
88	3	-2.243e+04	1540.45	0.02	0.0	0.0	1.52	289.95	-21.26	-0.53	1540.45	-3.171e+04
		-3.171e+04	860.14	0.01	0.0	32.0	1.52	289.95	-21.26	-0.53	860.14	-2.243e+04
88	4	-420.58	608.97	0.01	0.0	0.0	-29.72	2.38	51.21	-1.61	-1043.42	-478.83
		-478.83	-1043.42	-0.03	0.0	32.0	-29.72	2.38	51.21	-1.61	608.97	-420.58
88	5	-420.58	608.97	0.01	0.0	0.0	-29.72	2.38	51.21	-1.61	-1043.42	-478.83
		-478.83	-1043.42	-0.03	0.0	32.0	-29.72	2.38	51.21	-1.61	608.97	-420.58
88	6	1442.53	951.77	-0.01	0.0	0.0	-5.91	-18.82	-21.49	3.09	951.77	1442.53
		880.31	334.32	0.01	0.0	32.0	-5.91	-18.82	-21.49	3.09	334.32	880.31
88	7	1925.37	1329.03	1.24e-03	0.0	0.0	-4.30	-23.45	-34.61	2.60	1329.03	1925.37
		1221.57	295.51	-0.02	0.0	32.0	-4.30	-23.45	-34.61	2.60	295.51	1221.57
88	8	-133.76	193.66	3.36e-03	0.0	0.0	-9.45	0.76	16.28	-0.51	-331.85	-152.27

		-152.27	-331.85	-8.87e-03	0.0	32.0	-9.45	0.76	16.28	-0.51	193.66	-133.76
88	9	-133.76	193.66	3.36e-03	0.0	0.0	-9.45	0.76	16.28	-0.51	-331.85	-152.27
		-152.27	-331.85	-8.87e-03	0.0	32.0	-9.45	0.76	16.28	-0.51	193.66	-133.76
88	10	540.71	333.17	-3.70e-03	0.0	0.0	-1.91	-7.06	-7.51	1.00	333.17	540.71
		328.66	113.91	4.09e-03	0.0	32.0	-1.91	-7.06	-7.51	1.00	113.91	328.66
88	11	726.54	451.84	3.53e-04	0.0	0.0	-1.41	-8.82	-11.58	0.89	451.84	726.54
		458.56	104.31	-4.89e-03	0.0	32.0	-1.41	-8.82	-11.58	0.89	104.31	458.56
88	12	-26.76	13.02	5.79e-05	0.0	0.0	-20.25	0.12	2.47	0.04	-65.96	-30.56
		-30.56	-65.96	7.61e-05	0.0	32.0	-20.25	0.12	2.47	0.04	13.02	-26.76
88	13	4.104e+04	1608.73	-0.05	0.0	0.0	-9.67	-371.38	-57.45	5.53	1608.73	4.104e+04
		2.915e+04	-229.57	0.01	0.0	32.0	-9.67	-371.38	-57.45	5.53	-229.57	2.915e+04
89	1	1433.17	591.56	-0.04	-16.62	0.0	0.38	41.83	-8.23	-0.17	591.56	-4097.09
		-4097.09	-474.25	0.06	3.53	165.0	0.38	25.21	-4.69	-0.17	-474.25	1433.17
89	2	4911.52	1420.67	-0.11	0.0	0.0	0.54	99.26	-16.97	0.75	1420.67	-1.147e+04
		-1.147e+04	-1380.05	0.17	0.0	165.0	0.54	99.26	-16.97	0.75	-1380.05	4911.52
89	3	9607.97	2779.12	-0.22	0.0	0.0	1.05	194.18	-33.20	1.47	2779.12	-2.243e+04
		-2.243e+04	-2699.68	0.33	0.0	165.0	1.05	194.18	-33.20	1.47	-2699.68	9607.97
89	4	-243.80	577.73	0.05	0.0	0.0	-21.59	2.10	-5.85	-1.81	577.73	-420.48
		-420.48	-389.83	-0.10	0.0	165.0	-21.59	2.10	-5.85	-1.81	-389.83	-243.80
89	5	-243.80	577.73	0.05	0.0	0.0	-21.59	2.10	-5.85	-1.81	577.73	-420.48
		-420.48	-389.83	-0.10	0.0	165.0	-21.59	2.10	-5.85	-1.81	-389.83	-243.80
89	6	880.05	1349.06	-0.06	0.0	0.0	-4.49	-12.03	-15.51	3.23	1349.06	880.05
		-1247.92	-1211.58	0.17	0.0	165.0	-4.49	-12.03	-15.51	3.23	-1211.58	-1247.92
89	7	1478.61	1523.76	0.01	0.0	0.0	-3.33	-15.06	-18.03	2.59	1523.76	1221.22
		1221.22	-1453.29	0.03	0.0	165.0	-3.33	-15.06	-18.03	2.59	-1453.29	1478.61
89	8	-77.60	184.26	0.02	0.0	0.0	-6.87	0.67	-1.87	-0.58	184.26	-133.72
		-133.72	-124.45	-0.03	0.0	165.0	-6.87	0.67	-1.87	-0.58	-124.45	-77.60
89	9	-77.60	184.26	0.02	0.0	0.0	-6.87	0.67	-1.87	-0.58	184.26	-133.72
		-133.72	-124.45	-0.03	0.0	165.0	-6.87	0.67	-1.87	-0.58	-124.45	-77.60
89	10	328.56	467.49	-0.02	0.0	0.0	-1.47	-4.51	-5.40	1.05	467.49	328.56
		-465.09	-423.77	0.06	0.0	165.0	-1.47	-4.51	-5.40	1.05	-423.77	-465.09
89	11	543.28	528.40	4.72e-03	0.0	0.0	-1.12	-5.66	-6.27	0.88	528.40	458.42
		458.42	-506.70	0.01	0.0	165.0	-1.12	-5.66	-6.27	0.88	-506.70	543.28
89	12	-6.49	2.89	-2.19e-04	0.0	0.0	-20.18	0.12	-0.02	4.71e-03	2.89	-26.75
		-26.75	0.35	-7.03e-05	0.0	165.0	-20.18	0.12	-0.02	4.71e-03	0.35	-6.49
89	13	2.915e+04	921.49	0.18	0.0	0.0	-9.53	-247.97	-10.38	1.29	921.49	2.915e+04
		-1.176e+04	-790.60	0.15	0.0	165.0	-9.53	-247.97	-10.38	1.29	-790.60	-1.176e+04
90	1	2002.55	-11.91	-0.01	-16.62	0.0	-0.08	10.72	-2.15	-0.32	-11.91	1432.53
		1432.53	-119.54	9.10e-03	3.53	165.0	-0.08	-5.90	1.38	-0.32	-74.84	1830.47
90	2	6034.77	-159.45	-0.04	0.0	0.0	-0.69	6.82	-1.01	-0.64	-159.45	4908.99
		4908.99	-325.42	0.02	0.0	165.0	-0.69	6.82	-1.01	-0.64	-325.42	6034.77
90	3	1.181e+04	-311.92	-0.07	0.0	0.0	-1.34	13.35	-1.97	-1.26	-311.92	9603.02
		9603.02	-636.59	0.04	0.0	165.0	-1.34	13.35	-1.97	-1.26	-636.59	1.181e+04
90	4	296.26	385.28	0.05	0.0	0.0	-11.38	1.70	-4.75	-1.99	385.28	-243.85
		-243.85	-400.70	-0.11	0.0	165.0	-11.38	1.70	-4.75	-1.99	-400.70	296.26
90	5	296.26	385.28	0.05	0.0	0.0	-11.38	1.70	-4.75	-1.99	385.28	-243.85
		-243.85	-400.70	-0.11	0.0	165.0	-11.38	1.70	-4.75	-1.99	-400.70	296.26
90	6	-1123.94	685.53	-0.06	0.0	0.0	-3.84	-2.05	-9.06	3.12	685.53	-1248.01
		-1248.01	-834.71	0.14	0.0	165.0	-3.84	-2.05	-9.06	3.12	-834.71	-1123.94
90	7	1478.63	591.11	0.03	0.0	0.0	-4.23	-1.30	-7.65	-2.66	591.11	1478.63
		-1357.88	-739.53	-0.06	0.0	165.0	-4.23	-1.30	-7.65	-2.66	-739.53	-1357.88
90	8	94.33	123.25	0.02	0.0	0.0	-3.62	0.54	-1.52	-0.63	123.25	-77.62
		-77.62	-128.16	-0.03	0.0	165.0	-3.62	0.54	-1.52	-0.63	-128.16	94.33
90	9	94.33	123.25	0.02	0.0	0.0	-3.62	0.54	-1.52	-0.63	123.25	-77.62
		-77.62	-128.16	-0.03	0.0	165.0	-3.62	0.54	-1.52	-0.63	-128.16	94.33
90	10	-418.00	227.37	-0.02	0.0	0.0	-1.31	-0.77	-3.01	0.99	227.37	-465.13
		-465.13	-279.88	0.05	0.0	165.0	-1.31	-0.77	-3.01	0.99	-279.88	-418.00
90	11	543.29	194.47	0.01	0.0	0.0	-1.44	-0.46	-2.50	-0.88	194.47	543.29
		-500.80	-244.46	-0.02	0.0	165.0	-1.44	-0.46	-2.50	-0.88	-244.46	-500.80
90	12	14.91	2.35	-4.76e-04	0.0	0.0	-20.16	0.13	0.03	-7.84e-03	-2.75	-6.49
		-6.49	-2.75	9.61e-05	0.0	165.0	-20.16	0.13	0.03	-7.84e-03	2.35	14.91
90	13	-1.176e+04	1011.80	0.05	0.0	0.0	-10.57	-17.19	-12.20	4.24	1011.80	-1.176e+04
		-1.459e+04	-1000.79	0.18	0.0	165.0	-10.57	-17.19	-12.20	4.24	-1000.79	-1.459e+04
91	1	1830.71	521.71	0.04	-16.62	0.0	0.30	-20.25	3.96	-0.09	-422.86	1830.71
		-2880.93	-422.86	-0.05	3.53	165.0	0.30	-36.86	7.49	-0.09	521.71	-2880.93
91	2	6036.28	1237.14	0.12	0.0	0.0	0.32	-85.23	15.04	-1.10	-1244.46	6036.28
		-8026.52	-1244.46	-0.14	0.0	165.0	0.32	-85.23	15.04	-1.10	1237.14	-8026.52
91	3	1.181e+04	2420.10	0.24	0.0	0.0	0.62	-166.73	29.42	-2.16	-2434.43	1.181e+04
		-1.570e+04	-2434.43	-0.28	0.0	165.0	0.62	-166.73	29.42	-2.16	2420.10	-1.570e+04
91	4	444.46	307.87	0.06	0.0	0.0	-1.79	1.67	-4.81	-1.95	307.87	296.14
		296.14	-490.83	-0.13	0.0	165.0	-1.79	1.67	-4.81	-1.95	-490.83	444.46
91	5	444.46	307.87	0.06	0.0	0.0	-1.79	1.67	-4.81	-1.95	307.87	296.14
		296.14	-490.83	-0.13	0.0	165.0	-1.79	1.67	-4.81	-1.95	-490.83	444.46
91	6	1419.47	818.50	-0.05	0.0	0.0	-3.15	14.10	9.57	3.31	-771.69	-1123.98
		-1123.98	-771.69	0.08	0.0	165.0	-3.15	14.10	9.57	3.31	818.50	1419.47
91	7	1435.16	1126.61	0.04	0.0	0.0	-4.78	16.34	13.57	-2.94	-1117.81	-1357.96

		-1357.96	-1117.81	-0.16	0.0	165.0	-4.78	16.34	13.57	-2.94	1126.61	1435.16
91	8	141.42	98.34	0.02	0.0	0.0	-0.57	0.53	-1.54	-0.62	98.34	94.29
		94.29	-156.58	-0.04	0.0	165.0	-0.57	0.53	-1.54	-0.62	-156.58	141.42
91	9	141.42	98.34	0.02	0.0	0.0	-0.57	0.53	-1.54	-0.62	98.34	94.29
		94.29	-156.58	-0.04	0.0	165.0	-0.57	0.53	-1.54	-0.62	-156.58	141.42
91	10	535.14	293.45	-0.02	0.0	0.0	-1.06	5.30	3.47	1.07	-282.35	-418.02
		-418.02	-282.35	0.02	0.0	165.0	-1.06	5.30	3.47	1.07	293.45	535.14
91	11	541.48	403.74	0.01	0.0	0.0	-1.57	6.13	4.88	-0.97	-403.03	-500.83
		-500.83	-403.03	-0.05	0.0	165.0	-1.57	6.13	4.88	-0.97	403.74	541.48
91	12	37.10	-0.42	1.37e-04	0.0	0.0	-20.13	0.13	-6.54e-03	5.72e-03	-0.42	14.90
		14.90	-1.50	9.66e-05	0.0	165.0	-20.13	0.13	-6.54e-03	5.72e-03	-1.50	37.10
91	13	2.049e+04	853.62	-0.37	0.0	0.0	-11.69	212.63	-12.25	4.97	853.62	-1.460e+04
		-1.460e+04	-1167.59	0.14	0.0	165.0	-11.69	212.63	-12.25	4.97	-1167.59	2.049e+04
92	1	-2880.73	199.81	1.71e-03	-3.32	0.0	0.37	-51.55	-0.69	4.30	199.81	-2880.73
		-4636.84	188.77	-1.78e-03	0.71	33.0	0.37	-54.88	0.02	4.30	188.77	-4636.84
92	2	-8025.47	724.67	4.32e-03	0.0	0.0	0.56	-133.67	11.38	-0.04	348.97	-8025.47
		-1.244e+04	348.97	-5.57e-03	0.0	33.0	0.56	-133.67	11.38	-0.04	724.67	-1.244e+04
92	3	-1.570e+04	1417.61	8.45e-03	0.0	0.0	1.09	-261.50	22.27	-0.09	682.67	-1.570e+04
		-2.433e+04	682.67	-0.01	0.0	33.0	1.09	-261.50	22.27	-0.09	1417.61	-2.433e+04
92	4	482.67	1110.60	0.01	0.0	0.0	7.35	1.79	51.34	1.82	-594.53	444.66
		444.66	-594.53	-0.03	0.0	33.0	7.35	1.79	51.34	1.82	1110.60	482.67
92	5	482.67	1110.60	0.01	0.0	0.0	7.35	1.79	51.34	1.82	-594.53	444.66
		444.66	-594.53	-0.03	0.0	33.0	7.35	1.79	51.34	1.82	1110.60	482.67
92	6	2089.88	636.14	-0.01	0.0	0.0	-3.35	21.35	17.31	4.09	-222.76	1419.41
		1419.41	-222.76	0.01	0.0	33.0	-3.35	21.35	17.31	4.09	636.14	2089.88
92	7	2243.43	834.69	9.17e-03	0.0	0.0	-5.72	24.99	19.33	-3.72	248.45	1435.26
		1435.26	248.45	-0.02	0.0	33.0	-5.72	24.99	19.33	-3.72	834.69	2243.43
92	8	153.56	353.17	4.33e-03	0.0	0.0	2.34	0.57	16.32	0.58	-189.07	141.48
		141.48	-189.07	-9.38e-03	0.0	33.0	2.34	0.57	16.32	0.58	353.17	153.56
92	9	153.56	353.17	4.33e-03	0.0	0.0	2.34	0.57	16.32	0.58	-189.07	141.48
		141.48	-189.07	-9.38e-03	0.0	33.0	2.34	0.57	16.32	0.58	353.17	153.56
92	10	787.56	229.71	-3.67e-03	0.0	0.0	-1.12	8.02	6.08	1.39	-75.28	535.12
		535.12	-75.28	4.05e-03	0.0	33.0	-1.12	8.02	6.08	1.39	229.71	787.56
92	11	845.89	304.05	2.90e-03	0.0	0.0	-1.85	9.38	7.06	-1.29	86.34	541.52
		541.52	86.34	-7.39e-03	0.0	33.0	-1.85	9.38	7.06	-1.29	304.05	845.89
92	12	41.59	33.08	1.80e-04	0.0	0.0	-20.09	0.14	1.22	0.02	-7.12	37.12
		37.12	-7.12	-2.10e-05	0.0	33.0	-20.09	0.14	1.22	0.02	33.08	41.59
92	13	3.154e+04	83.88	-0.02	0.0	0.0	-11.42	334.86	22.41	0.79	-655.60	2.048e+04
		2.048e+04	-655.60	2.03e-03	0.0	33.0	-11.42	334.86	22.41	0.79	83.88	3.154e+04
93	1	-2891.20	215.99	-4.86e-03	-3.22	0.0	0.36	56.42	-0.03	-4.99	205.92	-4644.93
		-4644.93	205.91	1.79e-03	0.69	32.0	0.36	53.19	0.66	-4.99	215.99	-2891.20
93	2	-8037.24	773.27	-0.01	0.0	0.0	0.57	138.18	-12.00	-1.19	773.27	-1.246e+04
		-1.246e+04	389.30	5.60e-03	0.0	32.0	0.57	138.18	-12.00	-1.19	389.30	-8037.24
93	3	-1.572e+04	1512.67	-0.03	0.0	0.0	1.11	270.32	-23.47	-2.33	1512.67	-2.437e+04
		-2.437e+04	761.55	0.01	0.0	32.0	1.11	270.32	-23.47	-2.33	761.55	-1.572e+04
93	4	-578.28	617.63	0.01	0.0	0.0	-22.04	2.34	51.17	1.92	-1035.09	-645.71
		-645.71	-1035.09	-0.03	0.0	32.0	-22.04	2.34	51.17	1.92	617.63	-578.28
93	5	-578.28	617.63	0.01	0.0	0.0	-22.04	2.34	51.17	1.92	-1035.09	-645.71
		-645.71	-1035.09	-0.03	0.0	32.0	-22.04	2.34	51.17	1.92	617.63	-578.28
93	6	2110.04	786.77	-0.01	0.0	0.0	-5.42	-21.22	-18.25	3.97	786.77	2110.04
		1443.29	286.53	0.02	0.0	32.0	-5.42	-21.22	-18.25	3.97	286.53	1443.29
93	7	2237.39	826.34	8.51e-03	0.0	0.0	-3.92	-24.92	-23.86	4.02	826.34	2237.39
		1469.45	191.11	-0.02	0.0	32.0	-3.92	-24.92	-23.86	4.02	191.11	1469.45
93	8	-183.97	196.38	4.19e-03	0.0	0.0	-7.01	0.74	16.27	0.61	-329.11	-205.38
		-205.38	-329.11	-8.80e-03	0.0	32.0	-7.01	0.74	16.27	0.61	196.38	-183.97
93	9	-183.97	196.38	4.19e-03	0.0	0.0	-7.01	0.74	16.27	0.61	-329.11	-205.38
		-205.38	-329.11	-8.80e-03	0.0	32.0	-7.01	0.74	16.27	0.61	196.38	-183.97
93	10	793.29	269.09	-3.77e-03	0.0	0.0	-1.74	-7.97	-6.31	1.36	269.09	793.29
		542.52	93.94	5.61e-03	0.0	32.0	-1.74	-7.97	-6.31	1.36	93.94	542.52
93	11	844.53	282.06	2.69e-03	0.0	0.0	-1.25	-9.38	-7.95	1.40	282.06	844.53
		554.34	66.41	-5.22e-03	0.0	32.0	-1.25	-9.38	-7.95	1.40	66.41	554.34
93	12	-28.75	6.83	1.83e-04	0.0	0.0	-24.11	0.09	1.27	0.03	-33.72	-31.52
		-31.52	-33.72	3.89e-05	0.0	32.0	-24.11	0.09	1.27	0.03	6.83	-28.75
93	13	3.157e+04	1048.94	0.02	0.0	0.0	-10.14	-346.51	-42.73	5.49	1048.94	3.157e+04
		2.048e+04	-318.54	5.68e-03	0.0	32.0	-10.14	-346.51	-42.73	5.49	-318.54	2.048e+04
94	1	2096.28	555.65	-0.06	-16.62	0.0	0.29	38.54	-7.85	-0.41	555.65	-2891.67
		-2891.67	-447.90	0.06	3.53	165.0	0.29	21.92	-4.32	-0.41	-447.90	2096.28
94	2	6785.86	1323.31	-0.17	0.0	0.0	0.33	89.85	-15.95	0.01	1323.31	-8039.07
		-8039.07	-1308.27	0.16	0.0	165.0	0.33	89.85	-15.95	0.01	-1308.27	6785.86
94	3	1.327e+04	2588.68	-0.33	0.0	0.0	0.65	175.76	-31.20	0.02	2588.68	-1.573e+04
		-1.573e+04	-2559.25	0.30	0.0	165.0	0.65	175.76	-31.20	0.02	-2559.25	1.327e+04
94	4	-260.01	604.32	0.06	0.0	0.0	-13.93	2.22	-6.02	-2.05	604.32	-578.10
		-578.10	-389.43	-0.12	0.0	165.0	-13.93	2.22	-6.02	-2.05	-389.43	-260.01
94	5	-260.01	604.32	0.06	0.0	0.0	-13.93	2.22	-6.02	-2.05	604.32	-578.10
		-578.10	-389.43	-0.12	0.0	165.0	-13.93	2.22	-6.02	-2.05	-389.43	-260.01
94	6	1443.36	1129.76	-0.07	0.0	0.0	-4.18	-14.06	-13.16	3.57	1129.76	1443.36

		-943.78	-1045.49	0.19	0.0	165.0	-4.18	-14.06	-13.16	3.57	-1045.49	-943.78
94	7	1469.62	861.60	0.04	0.0	0.0	-3.38	-16.26	-10.52	-3.00	861.60	1469.62
		-1397.71	-877.76	-0.04	0.0	165.0	-3.38	-16.26	-10.52	-3.00	-877.76	-1397.71
94	8	-82.98	192.23	0.02	0.0	0.0	-4.43	0.71	-1.91	-0.65	192.23	-183.91
		-183.91	-123.92	-0.04	0.0	165.0	-4.43	0.71	-1.91	-0.65	-123.92	-82.98
94	9	-82.98	192.23	0.02	0.0	0.0	-4.43	0.71	-1.91	-0.65	192.23	-183.91
		-183.91	-123.92	-0.04	0.0	165.0	-4.43	0.71	-1.91	-0.65	-123.92	-82.98
94	10	542.55	378.10	-0.02	0.0	0.0	-1.35	-5.27	-4.43	1.18	378.10	542.55
		-349.08	-354.59	0.06	0.0	165.0	-1.35	-5.27	-4.43	1.18	-354.59	-349.08
94	11	554.41	302.71	0.01	0.0	0.0	-1.09	-6.12	-3.70	-0.97	302.71	554.41
		-517.95	-309.08	-0.01	0.0	165.0	-1.09	-6.12	-3.70	-0.97	-309.08	-517.95
94	12	-14.46	1.64	3.39e-04	0.0	0.0	-24.08	0.09	-0.01	9.08e-03	1.64	-28.73
		-28.73	-0.01	4.91e-05	0.0	165.0	-24.08	0.09	-0.01	9.08e-03	-0.01	-14.46
94	13	2.049e+04	267.49	0.39	0.0	0.0	-10.12	-224.55	-3.25	0.96	267.49	2.049e+04
		-1.656e+04	-269.05	0.06	0.0	165.0	-10.12	-224.55	-3.25	0.96	-269.05	-1.656e+04
95	1	2394.98	-43.10	-0.01	-16.62	0.0	-0.13	7.78	-1.77	0.06	-43.10	2095.78
		2008.52	-116.18	5.94e-03	3.53	165.0	-0.13	-8.84	1.76	0.06	-43.57	2008.52
95	2	6783.67	-239.92	-0.03	0.0	0.0	-0.78	-1.58	0.03	0.17	-244.74	6783.67
		6523.39	-244.74	0.01	0.0	165.0	-0.78	-1.58	0.03	0.17	-239.92	6523.39
95	3	1.327e+04	-469.34	-0.06	0.0	0.0	-1.52	-3.09	0.06	0.32	-478.76	1.327e+04
		1.276e+04	-478.76	0.03	0.0	165.0	-1.52	-3.09	0.06	0.32	-469.34	1.276e+04
95	4	190.77	494.17	0.06	0.0	0.0	-3.75	2.12	-5.95	-2.22	494.17	-260.22
		-260.22	-488.07	-0.13	0.0	165.0	-3.75	2.12	-5.95	-2.22	-488.07	190.77
95	5	190.77	494.17	0.06	0.0	0.0	-3.75	2.12	-5.95	-2.22	494.17	-260.22
		-260.22	-488.07	-0.13	0.0	165.0	-3.75	2.12	-5.95	-2.22	-488.07	190.77
95	6	-943.47	684.31	-0.07	0.0	0.0	-3.84	1.65	-8.15	3.52	684.31	-943.47
		-1090.84	-697.60	0.14	0.0	165.0	-3.84	1.65	-8.15	3.52	-697.60	-1090.84
95	7	-1397.38	-399.88	0.05	0.0	0.0	-4.23	-1.29	5.29	-3.03	-528.47	-1397.38
		-1510.10	-528.47	-0.12	0.0	165.0	-4.23	-1.29	5.29	-3.03	-399.88	-1510.10
95	8	60.85	157.17	0.02	0.0	0.0	-1.19	0.67	-1.89	-0.71	157.17	-83.05
		-83.05	-155.24	-0.04	0.0	165.0	-1.19	0.67	-1.89	-0.71	-155.24	60.85
95	9	60.85	157.17	0.02	0.0	0.0	-1.19	0.67	-1.89	-0.71	157.17	-83.05
		-83.05	-155.24	-0.04	0.0	165.0	-1.19	0.67	-1.89	-0.71	-155.24	60.85
95	10	-348.97	240.98	-0.02	0.0	0.0	-1.25	0.61	-2.79	1.17	240.98	-348.97
		-403.13	-233.28	0.04	0.0	165.0	-1.25	0.61	-2.79	1.17	-233.28	-403.13
95	11	-517.83	-135.67	0.02	0.0	0.0	-1.37	-0.47	1.81	-0.98	-182.71	-517.83
		-561.95	-182.71	-0.04	0.0	165.0	-1.37	-0.47	1.81	-0.98	-135.67	-561.95
95	12	-0.67	0.46	-2.56e-04	0.0	0.0	-24.07	0.08	8.16e-03	-6.14e-03	-0.89	-14.46
		-14.46	-0.89	7.08e-05	0.0	165.0	-24.07	0.08	8.16e-03	-6.14e-03	0.46	-0.67
95	13	-1.595e+04	369.33	0.07	0.0	0.0	-10.47	3.68	-4.42	0.33	369.33	-1.656e+04
		-1.656e+04	-359.28	0.06	0.0	165.0	-10.47	3.68	-4.42	0.33	-359.28	-1.595e+04
96	1	2009.08	555.19	0.06	-16.62	0.0	0.29	-23.00	4.32	0.39	-448.82	2009.08
		-3156.64	-448.82	-0.06	3.53	165.0	0.29	-39.62	7.85	0.39	555.19	-3156.64
96	2	6525.80	1328.78	0.17	0.0	0.0	0.34	-93.07	16.03	-6.27e-04	-1315.40	6525.80
		-8830.43	-1315.40	-0.16	0.0	165.0	0.34	-93.07	16.03	-6.27e-04	1328.78	-8830.43
96	3	1.277e+04	2599.37	0.33	0.0	0.0	0.67	-182.06	31.35	-1.23e-03	-2573.19	1.277e+04
		-1.727e+04	-2573.19	-0.31	0.0	165.0	0.67	-182.06	31.35	-1.23e-03	2599.37	-1.727e+04
96	4	484.34	417.26	0.07	0.0	0.0	6.58	2.12	-6.28	-2.17	417.26	190.60
		190.60	-621.92	-0.13	0.0	165.0	6.58	2.12	-6.28	-2.17	-621.92	484.34
96	5	484.34	417.26	0.07	0.0	0.0	6.58	2.12	-6.28	-2.17	417.26	190.60
		190.60	-621.92	-0.13	0.0	165.0	6.58	2.12	-6.28	-2.17	-621.92	484.34
96	6	1200.48	1016.37	-0.06	0.0	0.0	-3.42	12.90	11.81	3.44	-938.15	-1090.74
		-1090.74	-938.15	0.07	0.0	165.0	-3.42	12.90	11.81	3.44	1016.37	1200.48
96	7	1179.54	1128.23	0.06	0.0	0.0	-4.70	14.71	13.28	-3.32	-1064.83	-1510.03
		-1510.03	-1064.83	-0.19	0.0	165.0	-4.70	14.71	13.28	-3.32	1128.23	1179.54
96	8	153.99	132.70	0.02	0.0	0.0	2.09	0.68	-2.00	-0.69	132.70	60.80
		60.80	-197.77	-0.04	0.0	165.0	2.09	0.68	-2.00	-0.69	-197.77	153.99
96	9	153.99	132.70	0.02	0.0	0.0	2.09	0.68	-2.00	-0.69	132.70	60.80
		60.80	-197.77	-0.04	0.0	165.0	2.09	0.68	-2.00	-0.69	-197.77	153.99
96	10	449.98	377.69	-0.02	0.0	0.0	-1.09	4.85	4.39	1.13	-348.91	-403.10
		-403.10	-348.91	0.02	0.0	165.0	-1.09	4.85	4.39	1.13	377.69	449.98
96	11	440.53	394.54	0.02	0.0	0.0	-1.51	5.51	4.65	-1.09	-373.25	-561.92
		-561.92	-373.25	-0.06	0.0	165.0	-1.51	5.51	4.65	-1.09	394.54	440.53
96	12	12.83	0.02	-2.85e-04	0.0	0.0	-24.06	0.08	-1.77e-03	-6.57e-03	0.02	-0.68
		-0.68	-0.27	5.56e-05	0.0	165.0	-24.06	0.08	-1.77e-03	-6.57e-03	-0.27	12.83
96	13	2.234e+04	329.34	-0.42	0.0	0.0	-10.91	232.09	-5.03	0.53	329.34	-1.596e+04
		-1.596e+04	-500.07	0.05	0.0	165.0	-10.91	232.09	-5.03	0.53	-500.07	2.234e+04
97	1	-3156.24	209.29	3.58e-03	-3.32	0.0	0.36	-54.29	-0.40	4.73	209.29	-3156.24
		-5002.53	205.59	-1.94e-03	0.71	33.0	0.36	-57.61	0.31	4.73	207.82	-5002.53
97	2	-8828.82	775.39	9.73e-03	0.0	0.0	0.59	-141.47	12.11	0.99	375.63	-8828.82
		-1.350e+04	375.63	-5.99e-03	0.0	33.0	0.59	-141.47	12.11	0.99	775.39	-1.350e+04
97	3	-1.727e+04	1516.82	0.02	0.0	0.0	1.16	-276.75	23.70	1.94	734.81	-1.727e+04
		-2.640e+04	734.81	-0.01	0.0	33.0	1.16	-276.75	23.70	1.94	1516.82	-2.640e+04
97	4	550.62	1061.09	0.02	0.0	0.0	14.71	2.11	50.00	2.06	-613.61	484.50
		484.50	-613.61	-0.03	0.0	33.0	14.71	2.11	50.00	2.06	1061.09	550.62
97	5	550.62	1061.09	0.02	0.0	0.0	14.71	2.11	50.00	2.06	-613.61	484.50

		484.50	-613.61	-0.03	0.0	33.0	14.71	2.11	50.00	2.06	1061.09	550.62
97	6	1858.32	766.83	-0.01	0.0	0.0	-3.89	20.85	19.53	4.41	273.54	1200.43
		1200.43	273.54	0.02	0.0	33.0	-3.89	20.85	19.53	4.41	766.83	1858.32
97	7	1876.17	767.48	0.01	0.0	0.0	-5.78	22.85	16.67	-3.56	277.30	1179.54
		1179.54	277.30	-0.02	0.0	33.0	-5.78	22.85	16.67	-3.56	767.48	1876.17
97	8	175.06	337.37	4.79e-03	0.0	0.0	4.68	0.67	15.90	0.66	-195.10	154.04
		154.04	-195.10	-0.01	0.0	33.0	4.68	0.67	15.90	0.66	337.37	175.06
97	9	175.06	337.37	4.79e-03	0.0	0.0	4.68	0.67	15.90	0.66	-195.10	154.04
		154.04	-195.10	-0.01	0.0	33.0	4.68	0.67	15.90	0.66	337.37	175.06
97	10	698.70	279.80	-3.91e-03	0.0	0.0	-1.24	7.84	6.81	1.54	98.10	449.96
		449.96	98.10	5.08e-03	0.0	33.0	-1.24	7.84	6.81	1.54	279.80	698.70
97	11	703.57	272.59	4.07e-03	0.0	0.0	-1.85	8.58	5.91	-1.20	95.29	440.53
		440.53	95.29	-6.97e-03	0.0	33.0	-1.85	8.58	5.91	-1.20	272.59	703.57
97	12	15.54	-0.10	-1.17e-05	0.0	0.0	-24.06	0.08	4.74e-03	-5.21e-03	-0.26	12.82
		12.82	-0.26	1.33e-06	0.0	33.0	-24.06	0.08	4.74e-03	-5.21e-03	-0.10	15.54
97	13	3.403e+04	551.53	-0.02	0.0	0.0	-10.79	354.25	32.24	-3.37	-512.55	2.234e+04
		2.234e+04	-512.55	-1.89e-03	0.0	33.0	-10.79	354.25	32.24	-3.37	551.53	3.403e+04
98	1	-3207.20	218.91	-3.36e-03	-3.22	0.0	0.36	57.71	0.09	-4.87	205.06	-5002.49
		-5002.49	205.06	1.78e-03	0.69	32.0	0.36	54.49	0.78	-4.87	218.91	-3207.20
98	2	-8954.13	773.20	-9.19e-03	0.0	0.0	0.59	141.98	-11.71	-1.00	773.20	-1.350e+04
		-1.350e+04	398.41	5.60e-03	0.0	32.0	0.59	141.98	-11.71	-1.00	398.41	-8954.13
98	3	-1.752e+04	1512.55	-0.02	0.0	0.0	1.15	277.74	-22.91	-1.96	1512.55	-2.640e+04
		-2.640e+04	779.37	0.01	0.0	32.0	1.15	277.74	-22.91	-1.96	779.37	-1.752e+04
98	4	-486.54	613.18	0.01	0.0	0.0	-14.63	2.11	51.96	2.06	-1074.87	-550.64
		-550.64	-1074.87	-0.03	0.0	32.0	-14.63	2.11	51.96	2.06	613.18	-486.54
98	5	-486.54	613.18	0.01	0.0	0.0	-14.63	2.11	51.96	2.06	-1074.87	-550.64
		-550.64	-1074.87	-0.03	0.0	32.0	-14.63	2.11	51.96	2.06	613.18	-486.54
98	6	1880.73	769.45	-0.01	0.0	0.0	-5.76	-23.02	-16.81	3.59	769.45	1880.73
		1198.79	292.42	0.02	0.0	32.0	-5.76	-23.02	-16.81	3.59	292.42	1198.79
98	7	1853.87	769.92	0.01	0.0	0.0	-3.89	-20.92	-19.92	-4.47	769.92	1853.87
		1213.47	283.76	-0.02	0.0	32.0	-3.89	-20.92	-19.92	-4.47	283.76	1213.47
98	8	-154.69	194.96	4.15e-03	0.0	0.0	-4.65	0.67	16.52	0.66	-341.75	-175.07
		-175.07	-341.75	-9.45e-03	0.0	32.0	-4.65	0.67	16.52	0.66	194.96	-154.69
98	9	-154.69	194.96	4.15e-03	0.0	0.0	-4.65	0.67	16.52	0.66	-341.75	-175.07
		-175.07	-341.75	-9.45e-03	0.0	32.0	-4.65	0.67	16.52	0.66	194.96	-154.69
98	10	705.31	273.40	-3.94e-03	0.0	0.0	-1.84	-8.64	-5.96	1.21	273.40	705.31
		447.83	100.58	6.71e-03	0.0	32.0	-1.84	-8.64	-5.96	1.21	100.58	447.83
98	11	697.01	280.81	3.79e-03	0.0	0.0	-1.24	-7.86	-6.93	-1.56	280.81	697.01
		454.91	102.12	-4.96e-03	0.0	32.0	-1.24	-7.86	-6.93	-1.56	102.12	454.91
98	12	15.54	-0.09	1.10e-05	0.0	0.0	-24.06	-0.08	-5.37e-03	5.28e-03	-0.09	15.54
		12.91	-0.26	-1.26e-06	0.0	32.0	-24.06	-0.08	-5.37e-03	5.28e-03	-0.26	12.91
98	13	3.403e+04	563.71	0.02	0.0	0.0	-10.79	-355.52	-33.79	3.42	563.71	3.403e+04
		2.265e+04	-517.63	1.71e-03	0.0	32.0	-10.79	-355.52	-33.79	3.42	-517.63	2.265e+04
99	1	1991.85	559.70	-0.06	-16.62	0.0	0.29	39.82	-7.89	-0.39	559.70	-3207.58
		-3207.58	-450.77	0.06	3.53	165.0	0.29	23.20	-4.36	-0.39	-450.77	1991.85
99	2	6483.50	1338.35	-0.17	0.0	0.0	0.35	93.57	-16.11	6.01e-03	1338.35	-8955.71
		-8955.71	-1319.18	0.16	0.0	165.0	0.35	93.57	-16.11	6.01e-03	-1319.18	6483.50
99	3	1.268e+04	2618.10	-0.33	0.0	0.0	0.68	183.04	-31.51	0.01	2618.10	-1.752e+04
		-1.752e+04	-2580.59	0.31	0.0	165.0	0.68	183.04	-31.51	0.01	-2580.59	1.268e+04
99	4	-192.21	620.27	0.07	0.0	0.0	-6.53	2.12	-6.26	-2.17	620.27	-486.38
		-486.38	-415.27	-0.13	0.0	165.0	-6.53	2.12	-6.26	-2.17	-415.27	-192.21
99	5	-192.21	620.27	0.07	0.0	0.0	-6.53	2.12	-6.26	-2.17	620.27	-486.38
		-486.38	-415.27	-0.13	0.0	165.0	-6.53	2.12	-6.26	-2.17	-415.27	-192.21
99	6	1198.79	1132.78	-0.06	0.0	0.0	-4.69	-14.85	-13.31	3.31	1132.78	1198.79
		-1510.97	-1065.46	0.19	0.0	165.0	-4.69	-14.85	-13.31	3.31	-1065.46	-1510.97
99	7	1213.52	1017.28	0.06	0.0	0.0	-3.42	-12.99	-11.80	-3.44	1017.28	1213.52
		-1091.97	-936.03	-0.07	0.0	165.0	-3.42	-12.99	-11.80	-3.44	-936.03	-1091.97
99	8	-61.31	197.25	0.02	0.0	0.0	-2.08	0.68	-1.99	-0.69	197.25	-154.64
		-154.64	-132.06	-0.04	0.0	165.0	-2.08	0.68	-1.99	-0.69	-132.06	-61.31
99	9	-61.31	197.25	0.02	0.0	0.0	-2.08	0.68	-1.99	-0.69	197.25	-154.64
		-154.64	-132.06	-0.04	0.0	165.0	-2.08	0.68	-1.99	-0.69	-132.06	-61.31
99	10	447.83	396.08	-0.02	0.0	0.0	-1.50	-5.57	-4.66	1.09	396.08	447.83
		-562.31	-373.40	0.06	0.0	165.0	-1.50	-5.57	-4.66	1.09	-373.40	-562.31
99	11	454.92	377.98	0.02	0.0	0.0	-1.09	-4.88	-4.39	-1.14	377.98	454.92
		-403.62	-348.04	-0.02	0.0	165.0	-1.09	-4.88	-4.39	-1.14	-348.04	-403.62
99	12	12.91	0.03	2.84e-04	0.0	0.0	-24.06	-0.08	1.79e-03	6.53e-03	-0.27	12.91
		-0.59	-0.27	-5.54e-05	0.0	165.0	-24.06	-0.08	1.79e-03	6.53e-03	0.03	-0.59
99	13	2.265e+04	328.24	0.42	0.0	0.0	-10.91	-233.35	5.02	-0.55	-500.02	2.265e+04
		-1.585e+04	-500.02	-0.05	0.0	165.0	-10.91	-233.35	5.02	-0.55	328.24	-1.585e+04
100	1	2396.39	-39.76	-0.01	-16.62	0.0	-0.13	9.04	-1.81	-0.06	-39.76	1991.28
		1991.28	-116.18	6.23e-03	3.53	165.0	-0.13	-7.58	1.72	-0.06	-46.90	2111.70
100	2	6822.11	-231.97	-0.04	0.0	0.0	-0.78	2.07	-0.13	-0.18	-231.97	6481.07
		6481.07	-252.69	0.01	0.0	165.0	-0.78	2.07	-0.13	-0.18	-252.69	6822.11
100	3	1.335e+04	-453.78	-0.07	0.0	0.0	-1.53	4.04	-0.25	-0.36	-453.78	1.268e+04
		1.268e+04	-494.31	0.03	0.0	165.0	-1.53	4.04	-0.25	-0.36	-494.31	1.335e+04
100	4	258.68	488.40	0.06	0.0	0.0	3.81	2.12	-5.95	-2.22	488.40	-192.38

		-192.38	-493.78	-0.13	0.0	165.0	3.81	2.12	-5.95	-2.22	-493.78	258.68
100	5	258.68	488.40	0.06	0.0	0.0	3.81	2.12	-5.95	-2.22	488.40	-192.38
		-192.38	-493.78	-0.13	0.0	165.0	3.81	2.12	-5.95	-2.22	-493.78	258.68
100	6	-1411.95	-400.07	-0.05	0.0	0.0	-4.24	1.24	-5.31	3.02	-400.07	-1511.03
		-1511.03	-531.92	0.12	0.0	165.0	-4.24	1.24	-5.31	3.02	-531.92	-1411.95
100	7	-951.86	685.04	0.07	0.0	0.0	-3.84	-1.62	8.14	-3.53	-696.17	-1092.08
		-1092.08	-696.17	-0.14	0.0	165.0	-3.84	-1.62	8.14	-3.53	685.04	-951.86
100	8	82.56	155.35	0.02	0.0	0.0	1.21	0.67	-1.89	-0.71	155.35	-61.36
		-61.36	-157.05	-0.04	0.0	165.0	1.21	0.67	-1.89	-0.71	-157.05	82.56
100	9	82.56	155.35	0.02	0.0	0.0	1.21	0.67	-1.89	-0.71	155.35	-61.36
		-61.36	-157.05	-0.04	0.0	165.0	1.21	0.67	-1.89	-0.71	-157.05	82.56
100	10	-523.38	-135.80	-0.02	0.0	0.0	-1.38	0.45	-1.82	0.97	-135.80	-562.34
		-562.34	-184.00	0.04	0.0	165.0	-1.38	0.45	-1.82	0.97	-184.00	-523.38
100	11	-352.15	241.47	0.02	0.0	0.0	-1.25	-0.60	2.79	-1.17	-232.98	-403.66
		-403.66	-232.98	-0.04	0.0	165.0	-1.25	-0.60	2.79	-1.17	241.47	-352.15
100	12	-0.59	0.46	2.58e-04	0.0	0.0	-24.07	-0.08	-8.17e-03	6.18e-03	0.46	-0.59
		-14.38	-0.89	-7.08e-05	0.0	165.0	-24.07	-0.08	-8.17e-03	6.18e-03	-0.89	-14.38
100	13	-1.584e+04	368.69	0.10	0.0	0.0	-10.48	-4.91	4.41	-0.30	-358.88	-1.584e+04
		-1.665e+04	-358.88	-0.06	0.0	165.0	-10.48	-4.91	4.41	-0.30	368.69	-1.665e+04
101	1	2112.19	551.14	0.06	-16.62	0.0	0.28	-21.72	4.28	0.41	-445.94	2112.19
		-2842.09	-445.94	-0.06	3.53	165.0	0.28	-38.33	7.81	0.41	551.14	-2842.09
101	2	6824.28	1313.75	0.17	0.0	0.0	0.32	-89.35	15.87	-0.01	-1304.46	6824.28
		-7917.82	-1304.46	-0.16	0.0	165.0	0.32	-89.35	15.87	-0.01	1313.75	-7917.82
101	3	1.335e+04	2569.98	0.33	0.0	0.0	0.62	-174.78	31.04	-0.02	-2551.80	1.335e+04
		-1.549e+04	-2551.80	-0.30	0.0	165.0	0.62	-174.78	31.04	-0.02	2569.98	-1.549e+04
101	4	575.98	391.53	0.06	0.0	0.0	13.99	2.22	-6.04	-2.05	391.53	258.46
		258.46	-606.13	-0.12	0.0	165.0	13.99	2.22	-6.04	-2.05	-606.13	575.98
101	5	575.98	391.53	0.06	0.0	0.0	13.99	2.22	-6.04	-2.05	391.53	258.46
		258.46	-606.13	-0.12	0.0	165.0	13.99	2.22	-6.04	-2.05	-606.13	575.98
101	6	1448.14	856.30	-0.04	0.0	0.0	-3.39	16.22	10.47	2.99	-875.89	-1412.28
		-1412.28	-875.89	0.04	0.0	165.0	-3.39	16.22	10.47	2.99	856.30	1448.14
101	7	1422.94	1124.50	0.07	0.0	0.0	-4.20	13.98	13.12	-3.57	-1044.09	-952.16
		-952.16	-1044.09	-0.19	0.0	165.0	-4.20	13.98	13.12	-3.57	1124.50	1422.94
101	8	183.24	124.59	0.02	0.0	0.0	4.45	0.71	-1.92	-0.65	124.59	82.49
		82.49	-192.81	-0.04	0.0	165.0	4.45	0.71	-1.92	-0.65	-192.81	183.24
101	9	183.24	124.59	0.02	0.0	0.0	4.45	0.71	-1.92	-0.65	124.59	82.49
		82.49	-192.81	-0.04	0.0	165.0	4.45	0.71	-1.92	-0.65	-192.81	183.24
101	10	546.28	300.85	-0.01	0.0	0.0	-1.09	6.10	3.68	0.97	-308.43	-523.51
		-523.51	-308.43	0.01	0.0	165.0	-1.09	6.10	3.68	0.97	300.85	546.28
101	11	534.85	376.35	0.02	0.0	0.0	-1.36	5.24	4.42	-1.18	-354.13	-352.26
		-352.26	-354.13	-0.06	0.0	165.0	-1.36	5.24	4.42	-1.18	376.35	534.85
101	12	-14.38	1.65	-3.32e-04	0.0	0.0	-24.08	-0.09	0.01	-8.93e-03	-0.02	-14.38
		-28.64	-0.02	-7.98e-05	0.0	165.0	-24.08	-0.09	0.01	-8.93e-03	1.65	-28.64
101	13	2.019e+04	266.79	-0.39	0.0	0.0	-10.13	223.30	3.25	-0.97	-269.15	-1.666e+04
		-1.666e+04	-269.15	-0.06	0.0	165.0	-10.13	223.30	3.25	-0.97	266.79	2.019e+04
102	1	-2841.61	208.62	5.12e-03	-3.32	0.0	0.36	-52.99	-0.29	4.86	206.43	-2841.61
		-4645.03	204.52	-1.94e-03	0.71	33.0	0.36	-56.31	0.42	4.86	208.62	-4645.03
102	2	-7915.96	775.27	0.01	0.0	0.0	0.56	-137.68	12.38	1.19	366.75	-7915.96
		-1.246e+04	366.75	-5.99e-03	0.0	33.0	0.56	-137.68	12.38	1.19	775.27	-1.246e+04
102	3	-1.549e+04	1516.58	0.03	0.0	0.0	1.10	-269.33	24.22	2.32	717.43	-1.549e+04
		-2.437e+04	717.43	-0.01	0.0	33.0	1.10	-269.33	24.22	2.32	1516.58	-2.437e+04
102	4	645.68	1021.09	0.01	0.0	0.0	22.11	2.34	49.22	1.92	-617.80	576.16
		576.16	-617.80	-0.03	0.0	33.0	22.11	2.34	49.22	1.92	1021.09	645.68
102	5	645.68	1021.09	0.01	0.0	0.0	22.11	2.34	49.22	1.92	-617.80	576.16
		576.16	-617.80	-0.03	0.0	33.0	22.11	2.34	49.22	1.92	1021.09	645.68
102	6	2238.82	822.41	-8.72e-03	0.0	0.0	-3.92	24.89	23.39	-3.96	182.11	1447.96
		1447.96	182.11	0.02	0.0	33.0	-3.92	24.89	23.39	-3.96	822.41	2238.82
102	7	2107.12	784.60	0.01	0.0	0.0	-5.45	21.13	18.06	-3.95	271.76	1422.87
		1422.87	271.76	-0.02	0.0	33.0	-5.45	21.13	18.06	-3.95	784.60	2107.12
102	8	205.37	324.66	4.31e-03	0.0	0.0	7.03	0.74	15.65	0.61	-196.43	183.30
		183.30	-196.43	-9.08e-03	0.0	33.0	7.03	0.74	15.65	0.61	324.66	205.37
102	9	205.37	324.66	4.31e-03	0.0	0.0	7.03	0.74	15.65	0.61	-196.43	183.30
		183.30	-196.43	-9.08e-03	0.0	33.0	7.03	0.74	15.65	0.61	324.66	205.37
102	10	845.08	280.75	-2.75e-03	0.0	0.0	-1.25	9.37	7.81	-1.37	62.99	546.21
		546.21	62.99	5.33e-03	0.0	33.0	-1.25	9.37	7.81	-1.37	280.75	845.08
102	11	792.19	268.30	3.89e-03	0.0	0.0	-1.75	7.93	6.24	-1.35	89.00	534.83
		534.83	89.00	-5.83e-03	0.0	33.0	-1.75	7.93	6.24	-1.35	268.30	792.19
102	12	-28.66	6.87	-1.88e-04	0.0	0.0	-24.12	-0.09	-1.21	-0.03	6.87	-28.66
		-31.52	-32.98	2.11e-05	0.0	33.0	-24.12	-0.09	-1.21	-0.03	-32.98	-31.52
102	13	3.157e+04	1035.91	-0.03	0.0	0.0	-10.15	345.24	41.18	-5.46	-322.97	2.018e+04
		2.018e+04	-322.97	-6.06e-03	0.0	33.0	-10.15	345.24	41.18	-5.46	1035.91	3.157e+04
103	1	-2929.01	209.01	-1.34e-03	-3.22	0.0	0.37	54.98	0.37	-4.44	186.05	-4636.87
		-4636.87	186.05	1.64e-03	0.69	32.0	0.37	51.76	1.06	-4.44	209.01	-2929.01
103	2	-8143.16	722.61	-3.27e-03	0.0	0.0	0.55	134.18	-11.00	0.04	722.61	-1.244e+04
		-1.244e+04	370.60	5.20e-03	0.0	32.0	0.55	134.18	-11.00	0.04	370.60	-8143.16
103	3	-1.593e+04	1413.58	-6.40e-03	0.0	0.0	1.07	262.49	-21.52	0.08	1413.58	-2.433e+04

		-2.433e+04	724.98	0.01	0.0	32.0	1.07	262.49	-21.52	0.08	724.98	-1.593e+04
103	4	-445.84	592.63	0.01	0.0	0.0	-7.28	1.79	53.31	1.82	-1124.54	-482.70
		-482.70	-1124.54	-0.03	0.0	32.0	-7.28	1.79	53.31	1.82	592.63	-445.84
103	5	-445.84	592.63	0.01	0.0	0.0	-7.28	1.79	53.31	1.82	-1124.54	-482.70
		-482.70	-1124.54	-0.03	0.0	32.0	-7.28	1.79	53.31	1.82	592.63	-445.84
103	6	2244.48	835.89	-8.84e-03	0.0	0.0	-5.71	-25.06	-19.51	3.76	835.89	2244.48
		1458.41	263.40	0.02	0.0	32.0	-5.71	-25.06	-19.51	3.76	263.40	1458.41
103	7	2086.70	639.71	0.01	0.0	0.0	-3.34	-21.34	-17.70	-4.13	639.71	2086.70
		1436.76	-230.59	-0.01	0.0	32.0	-3.34	-21.34	-17.70	-4.13	-230.59	1436.76
103	8	-141.86	188.46	4.20e-03	0.0	0.0	-2.32	0.57	16.95	0.58	-357.60	-153.57
		-153.57	-357.60	-9.08e-03	0.0	32.0	-2.32	0.57	16.95	0.58	188.46	-141.86
103	9	-141.86	188.46	4.20e-03	0.0	0.0	-2.32	0.57	16.95	0.58	-357.60	-153.57
		-153.57	-357.60	-9.08e-03	0.0	32.0	-2.32	0.57	16.95	0.58	188.46	-141.86
103	10	846.30	304.56	-2.80e-03	0.0	0.0	-1.85	-9.41	-7.12	1.31	304.56	846.30
		550.26	91.77	7.12e-03	0.0	32.0	-1.85	-9.41	-7.12	1.31	91.77	550.26
103	11	786.37	230.93	3.56e-03	0.0	0.0	-1.11	-8.02	-6.21	-1.40	230.93	786.37
		541.66	-78.31	-3.95e-03	0.0	32.0	-1.11	-8.02	-6.21	-1.40	-78.31	541.66
103	12	41.59	33.83	-1.76e-04	0.0	0.0	-20.09	-0.14	-1.28	-0.02	33.83	41.59
		37.26	-7.08	-3.88e-05	0.0	32.0	-20.09	-0.14	-1.28	-0.02	-7.08	37.26
103	13	3.154e+04	92.49	0.02	0.0	0.0	-11.43	-336.13	-23.81	-0.75	92.49	3.154e+04
		2.078e+04	-669.46	-2.04e-03	0.0	32.0	-11.43	-336.13	-23.81	-0.75	-669.46	2.078e+04
104	1	1816.34	526.22	-0.04	-16.62	0.0	0.30	37.07	-7.53	0.09	526.22	-2929.19
		-2929.19	-424.89	0.05	3.53	165.0	0.30	20.45	-4.00	0.09	-424.89	1816.34
104	2	6002.28	1246.72	-0.12	0.0	0.0	0.32	85.74	-15.12	1.11	1246.72	-8144.19
		-8144.19	-1248.45	0.14	0.0	165.0	0.32	85.74	-15.12	1.11	-1248.45	6002.28
104	3	1.174e+04	2438.85	-0.24	0.0	0.0	0.62	167.72	-29.58	2.17	2438.85	-1.593e+04
		-1.593e+04	-2442.24	0.28	0.0	165.0	0.62	167.72	-29.58	2.17	-2442.24	1.174e+04
104	4	-296.94	488.96	0.06	0.0	0.0	1.82	1.67	-4.79	-1.95	488.96	-445.64
		-445.64	-306.09	-0.13	0.0	165.0	1.82	1.67	-4.79	-1.95	-306.09	-296.94
104	5	-296.94	488.96	0.06	0.0	0.0	1.82	1.67	-4.79	-1.95	488.96	-445.64
		-445.64	-306.09	-0.13	0.0	165.0	1.82	1.67	-4.79	-1.95	-306.09	-296.94
104	6	1458.31	1129.63	-0.04	0.0	0.0	-4.78	-16.41	-13.59	2.94	1129.63	1458.31
		-1346.36	-1117.31	0.16	0.0	165.0	-4.78	-16.41	-13.59	2.94	-1117.31	-1346.36
104	7	1436.82	820.98	0.05	0.0	0.0	-3.14	-14.12	-9.60	-3.32	820.98	1436.82
		-1111.19	-773.16	-0.08	0.0	165.0	-3.14	-14.12	-9.60	-3.32	-773.16	-1111.19
104	8	-94.54	155.99	0.02	0.0	0.0	0.58	0.53	-1.53	-0.62	155.99	-141.79
		-141.79	-97.78	-0.04	0.0	165.0	0.58	0.53	-1.53	-0.62	-97.78	-94.54
104	9	-94.54	155.99	0.02	0.0	0.0	0.58	0.53	-1.53	-0.62	155.99	-141.79
		-141.79	-97.78	-0.04	0.0	165.0	0.58	0.53	-1.53	-0.62	-97.78	-94.54
104	10	550.22	404.83	-0.01	0.0	0.0	-1.57	-6.15	-4.89	0.97	404.83	550.22
		-496.38	-402.83	0.05	0.0	165.0	-1.57	-6.15	-4.89	0.97	-402.83	-496.38
104	11	541.68	294.51	0.02	0.0	0.0	-1.06	-5.30	-3.48	-1.07	294.51	541.68
		-413.13	-282.98	-0.02	0.0	165.0	-1.06	-5.30	-3.48	-1.07	-282.98	-413.13
104	12	37.24	-0.43	-2.10e-04	0.0	0.0	-20.13	-0.13	6.42e-03	-5.88e-03	-1.49	37.24
		15.04	-1.49	-6.58e-05	0.0	165.0	-20.13	-0.13	6.42e-03	-5.88e-03	-0.43	15.04
104	13	2.078e+04	853.60	0.37	0.0	0.0	-11.70	-213.90	12.27	-4.99	-1170.80	2.078e+04
		-1.451e+04	-1170.80	-0.14	0.0	165.0	-11.70	-213.90	12.27	-4.99	853.60	-1.451e+04
105	1	2000.75	-15.76	-7.41e-03	-16.62	0.0	-0.08	6.10	-1.43	0.31	-71.02	1816.09
		1451.69	-118.59	-5.06e-03	3.53	165.0	-0.08	-10.52	2.10	0.31	-15.76	1451.69
105	2	6000.75	-167.52	-0.02	0.0	0.0	-0.70	-6.33	0.91	0.63	-317.41	6000.75
		4956.99	-317.41	-0.01	0.0	165.0	-0.70	-6.33	0.91	0.63	-167.52	4956.99
105	3	1.174e+04	-327.70	-0.04	0.0	0.0	-1.36	-12.37	1.78	1.24	-620.92	1.174e+04
		9696.93	-620.92	-0.03	0.0	165.0	-1.36	-12.37	1.78	1.24	-327.70	9696.93
105	4	243.51	401.04	0.05	0.0	0.0	11.44	1.70	-4.75	-1.99	401.04	-297.06
		-297.06	-384.94	-0.11	0.0	165.0	11.44	1.70	-4.75	-1.99	-384.94	243.51
105	5	243.51	401.04	0.05	0.0	0.0	11.44	1.70	-4.75	-1.99	401.04	-297.06
		-297.06	-384.94	-0.11	0.0	165.0	11.44	1.70	-4.75	-1.99	-384.94	243.51
105	6	1476.43	590.51	-0.03	0.0	0.0	-4.25	1.33	7.63	2.65	-736.59	-1346.28
		-1346.28	-736.59	0.06	0.0	165.0	-4.25	1.33	7.63	2.65	590.51	1476.43
105	7	-1111.16	682.91	0.06	0.0	0.0	-3.85	2.10	9.03	-3.12	-832.67	-1111.16
		-1246.36	-832.67	-0.14	0.0	165.0	-3.85	2.10	9.03	-3.12	682.91	-1246.36
105	8	77.51	128.27	0.02	0.0	0.0	3.64	0.54	-1.52	-0.63	128.27	-94.58
		-94.58	-123.14	-0.03	0.0	165.0	3.64	0.54	-1.52	-0.63	-123.14	77.51
105	9	77.51	128.27	0.02	0.0	0.0	3.64	0.54	-1.52	-0.63	128.27	-94.58
		-94.58	-123.14	-0.03	0.0	165.0	3.64	0.54	-1.52	-0.63	-123.14	77.51
105	10	542.36	194.37	-0.01	0.0	0.0	-1.45	0.47	2.49	0.87	-243.39	-496.35
		-496.35	-243.39	0.02	0.0	165.0	-1.45	0.47	2.49	0.87	194.37	542.36
105	11	-413.11	226.54	0.02	0.0	0.0	-1.31	0.79	3.00	-1.00	-279.27	-413.11
		-464.44	-279.27	-0.05	0.0	165.0	-1.31	0.79	3.00	-1.00	226.54	-464.44
105	12	15.04	2.35	4.75e-04	0.0	0.0	-20.16	-0.13	-0.03	7.83e-03	2.35	15.04
		-6.37	-2.75	-9.61e-05	0.0	165.0	-20.16	-0.13	-0.03	7.83e-03	-2.75	-6.37
105	13	-1.187e+04	1013.56	0.09	0.0	0.0	-10.58	15.95	12.22	-4.23	-1003.20	-1.451e+04
		-1.451e+04	-1003.20	-0.18	0.0	165.0	-10.58	15.95	12.22	-4.23	1013.56	-1.187e+04
106	1	1452.33	586.98	0.04	-16.62	0.0	0.37	-25.00	4.65	0.18	-472.33	1452.33
		-4043.77	-472.33	-0.06	3.53	165.0	0.37	-41.62	8.19	0.18	586.98	-4043.77
106	2	4959.51	1410.91	0.12	0.0	0.0	0.52	-98.75	16.89	-0.74	-1376.35	4959.51

		-1.133e+04	-1376.35	-0.17	0.0	165.0	0.52	-98.75	16.89	-0.74	1410.91	-1.133e+04
106	3	9701.85	2760.04	0.23	0.0	0.0	1.01	-193.18	33.05	-1.44	-2692.43	9701.85
		-2.217e+04	-2692.43	-0.33	0.0	165.0	1.01	-193.18	33.05	-1.44	2760.04	-2.217e+04
106	4	418.68	391.92	0.05	0.0	0.0	21.65	2.10	-5.87	-1.81	391.92	243.45
		243.45	-579.61	-0.10	0.0	165.0	21.65	2.10	-5.87	-1.81	-579.61	418.68
106	5	418.68	391.92	0.05	0.0	0.0	21.65	2.10	-5.87	-1.81	391.92	243.45
		243.45	-579.61	-0.10	0.0	165.0	21.65	2.10	-5.87	-1.81	-579.61	418.68
106	6	1476.42	1519.94	-0.02	0.0	0.0	-3.35	14.94	18.01	-2.58	-1454.56	1476.42
		1205.38	-1454.56	-0.03	0.0	165.0	-3.35	14.94	18.01	-2.58	1519.94	1205.38
106	7	863.75	1345.64	0.06	0.0	0.0	-4.52	11.91	15.49	-3.23	-1212.16	-1246.27
		-1246.27	-1212.16	-0.17	0.0	165.0	-4.52	11.91	15.49	-3.23	1345.64	863.75
106	8	133.15	125.12	0.02	0.0	0.0	6.88	0.67	-1.87	-0.58	125.12	77.49
		77.49	-184.85	-0.03	0.0	165.0	6.88	0.67	-1.87	-0.58	-184.85	133.15
106	9	133.15	125.12	0.02	0.0	0.0	6.88	0.67	-1.87	-0.58	125.12	77.49
		77.49	-184.85	-0.03	0.0	165.0	6.88	0.67	-1.87	-0.58	-184.85	133.15
106	10	542.35	527.13	-5.36e-03	0.0	0.0	-1.13	5.62	6.26	-0.87	-507.20	542.35
		452.33	-507.20	-0.01	0.0	165.0	-1.13	5.62	6.26	-0.87	527.13	452.33
106	11	322.40	466.42	0.02	0.0	0.0	-1.48	4.46	5.39	-1.05	-424.06	-464.40
		-464.40	-424.06	-0.06	0.0	165.0	-1.48	4.46	5.39	-1.05	466.42	322.40
106	12	-6.36	2.92	2.39e-04	0.0	0.0	-20.19	-0.12	0.02	-4.55e-03	0.33	-6.36
		-26.63	0.33	-1.33e-04	0.0	165.0	-20.19	-0.12	0.02	-4.55e-03	2.92	-26.63
106	13	2.882e+04	923.01	-0.19	0.0	0.0	-9.55	246.69	10.40	-1.34	-793.80	-1.188e+04
		-1.188e+04	-793.80	-0.15	0.0	165.0	-9.55	246.69	10.40	-1.34	923.01	2.882e+04
107	1	-4043.70	225.35	-4.14e-03	-3.32	0.0	0.45	-56.53	-0.74	4.55	225.35	-4043.70
		-5964.04	212.45	-2.00e-03	0.71	33.0	0.45	-59.85	-0.04	4.55	212.45	-5964.04
107	2	-1.133e+04	790.29	-0.01	0.0	0.0	0.77	-147.71	11.35	0.24	415.74	-1.133e+04
		-1.621e+04	415.74	-6.18e-03	0.0	33.0	0.77	-147.71	11.35	0.24	790.29	-1.621e+04
107	3	-2.217e+04	1545.98	-0.02	0.0	0.0	1.50	-288.95	22.20	0.46	813.27	-2.217e+04
		-3.171e+04	813.27	-0.01	0.0	33.0	1.50	-288.95	22.20	0.46	1545.98	-3.171e+04
107	4	478.75	1029.41	0.01	0.0	0.0	29.79	2.38	49.26	-1.61	-609.36	418.78
		418.78	-609.36	-0.03	0.0	33.0	29.79	2.38	49.26	-1.61	1029.41	478.75
107	5	478.75	1029.41	0.01	0.0	0.0	29.79	2.38	49.26	-1.61	-609.36	418.78
		418.78	-609.36	-0.03	0.0	33.0	29.79	2.38	49.26	-1.61	1029.41	478.75
107	6	1925.43	1324.81	-1.22e-03	0.0	0.0	-4.31	23.28	34.08	-2.55	276.16	1205.74
		1205.74	276.16	0.02	0.0	33.0	-4.31	23.28	34.08	-2.55	1324.81	1925.43
107	7	1439.71	949.59	0.01	0.0	0.0	-5.95	18.72	21.27	-3.09	317.18	864.01
		864.01	317.18	-0.01	0.0	33.0	-5.95	18.72	21.27	-3.09	949.59	1439.71
107	8	152.25	327.39	3.46e-03	0.0	0.0	9.47	0.76	15.66	-0.51	-193.78	133.18
		133.18	-193.78	-9.15e-03	0.0	33.0	9.47	0.76	15.66	-0.51	327.39	152.25
107	9	152.25	327.39	3.46e-03	0.0	0.0	9.47	0.76	15.66	-0.51	-193.78	133.18
		133.18	-193.78	-9.15e-03	0.0	33.0	9.47	0.76	15.66	-0.51	327.39	152.25
107	10	726.57	450.47	-3.58e-04	0.0	0.0	-1.41	8.76	11.41	-0.88	97.52	452.46
		452.46	97.52	4.97e-03	0.0	33.0	-1.41	8.76	11.41	-0.88	450.47	726.57
107	11	539.65	332.40	3.81e-03	0.0	0.0	-1.92	7.03	7.43	-1.00	107.96	322.50
		322.50	107.96	-4.25e-03	0.0	33.0	-1.92	7.03	7.43	-1.00	332.40	539.65
107	12	-26.64	13.11	-5.91e-05	0.0	0.0	-20.26	-0.12	-2.35	-0.04	13.11	-26.64
		-30.56	-64.50	4.23e-05	0.0	33.0	-20.26	-0.12	-2.35	-0.04	-64.50	-30.56
107	13	4.104e+04	1593.78	0.05	0.0	0.0	-9.67	370.10	55.60	-5.42	-240.89	2.882e+04
		2.882e+04	-240.89	-0.01	0.0	33.0	-9.67	370.10	55.60	-5.42	1593.78	4.104e+04
108	1	-3906.05	275.31	-0.01	-3.22	0.0	0.49	66.93	-0.87	-6.07	275.31	-5996.24
		-5996.24	258.51	2.32e-03	0.69	32.0	0.49	63.71	-0.18	-6.07	258.51	-3906.05
108	2	-1.099e+04	949.84	-0.03	0.0	0.0	0.82	165.89	-14.22	-4.15	949.84	-1.630e+04
		-1.630e+04	494.68	6.93e-03	0.0	32.0	0.82	165.89	-14.22	-4.15	494.68	-1.099e+04
108	3	-2.150e+04	1858.08	-0.07	0.0	0.0	1.61	324.51	-27.82	-8.11	1858.08	-3.189e+04
		-3.189e+04	967.70	0.01	0.0	32.0	1.61	324.51	-27.82	-8.11	967.70	-2.150e+04
108	4	-558.85	572.67	0.01	0.0	0.0	1.56	2.77	55.26	-1.56	-1203.96	-630.16
		-630.16	-1203.96	-0.03	0.0	32.0	1.56	2.77	55.26	-1.56	572.67	-558.85
108	5	-558.85	572.67	0.01	0.0	0.0	1.56	2.77	55.26	-1.56	-1203.96	-630.16
		-630.16	-1203.96	-0.03	0.0	32.0	1.56	2.77	55.26	-1.56	572.67	-558.85
108	6	1922.79	550.91	-1.18e-03	0.0	0.0	-3.89	-24.48	-13.28	4.05	550.91	1922.79
		1193.22	-194.20	0.02	0.0	32.0	-3.89	-24.48	-13.28	4.05	-194.20	1193.22
108	7	1420.66	438.79	0.01	0.0	0.0	-2.18	-18.34	-12.68	-4.35	438.79	1420.66
		865.70	-214.98	-8.62e-03	0.0	32.0	-2.18	-18.34	-12.68	-4.35	-214.98	865.70
108	8	-177.72	182.11	3.33e-03	0.0	0.0	0.50	0.88	17.57	-0.50	-382.87	-200.38
		-200.38	-382.87	-9.29e-03	0.0	32.0	0.50	0.88	17.57	-0.50	182.11	-177.72
108	9	-177.72	182.11	3.33e-03	0.0	0.0	0.50	0.88	17.57	-0.50	-382.87	-200.38
		-200.38	-382.87	-9.29e-03	0.0	32.0	0.50	0.88	17.57	-0.50	182.11	-177.72
108	10	725.89	193.01	-3.42e-04	0.0	0.0	-1.28	-9.20	-4.64	1.48	193.01	725.89
		448.93	-66.24	6.72e-03	0.0	32.0	-1.28	-9.20	-4.64	1.48	-66.24	448.93
108	11	534.42	151.95	3.55e-03	0.0	0.0	-0.75	-6.88	-4.23	-1.52	151.95	534.42
		325.13	-72.27	-2.74e-03	0.0	32.0	-0.75	-6.88	-4.23	-1.52	-72.27	325.13
108	12	117.13	64.10	-1.85e-05	0.0	0.0	-12.20	-0.58	-2.46	-6.13e-03	64.10	117.13
		98.72	-14.60	-7.96e-05	0.0	32.0	-12.20	-0.58	-2.46	-6.13e-03	-14.60	98.72
108	13	4.131e+04	-1301.33	0.11	0.0	0.0	-11.16	-415.98	1.98	7.27	-1364.83	4.131e+04
		2.800e+04	-1364.83	-0.01	0.0	32.0	-11.16	-415.98	1.98	7.27	-1301.33	2.800e+04
109	1	2794.39	688.27	-0.11	-16.62	0.0	0.39	48.92	-9.27	-1.52	688.27	-3906.99

		-3906.99	-549.93	0.08	3.53	165.0	0.39	32.31	-5.74	-1.52	-549.93	2794.39
109	2	8378.45	1655.55	-0.32	0.0	0.0	0.53	117.42	-19.51	-2.77	1655.55	-1.100e+04
		-1.100e+04	-1564.04	0.20	0.0	165.0	0.53	117.42	-19.51	-2.77	-1564.04	8378.45
109	3	1.639e+04	3238.61	-0.62	0.0	0.0	1.03	229.69	-38.17	-5.43	3238.61	-2.151e+04
		-2.151e+04	-3059.60	0.39	0.0	165.0	1.03	229.69	-38.17	-5.43	-3059.60	1.639e+04
109	4	-275.64	384.90	0.05	0.0	0.0	9.13	2.73	-3.60	-1.72	384.90	-558.76
		-558.76	-216.85	-0.12	0.0	165.0	9.13	2.73	-3.60	-1.72	-216.85	-275.64
109	5	-275.64	384.90	0.05	0.0	0.0	9.13	2.73	-3.60	-1.72	384.90	-558.76
		-558.76	-216.85	-0.12	0.0	165.0	9.13	2.73	-3.60	-1.72	-216.85	-275.64
109	6	1193.75	746.30	-1.25e-03	0.0	0.0	-3.14	-16.27	-8.39	-2.31	746.30	1193.75
		-1723.84	-659.36	0.08	0.0	165.0	-3.14	-16.27	-8.39	-2.31	-659.36	-1723.84
109	7	866.11	-500.27	0.05	0.0	0.0	-2.66	-11.79	-6.83	-3.29	-635.67	866.11
		-1190.93	-635.67	-0.08	0.0	165.0	-2.66	-11.79	-6.83	-3.29	-500.27	-1190.93
109	8	-87.83	123.06	0.01	0.0	0.0	2.90	0.87	-1.15	-0.55	123.06	-177.69
		-177.69	-69.74	-0.04	0.0	165.0	2.90	0.87	-1.15	-0.55	-69.74	-87.83
109	9	-87.83	123.06	0.01	0.0	0.0	2.90	0.87	-1.15	-0.55	123.06	-177.69
		-177.69	-69.74	-0.04	0.0	165.0	2.90	0.87	-1.15	-0.55	-69.74	-87.83
109	10	449.13	259.03	5.39e-04	0.0	0.0	-1.05	-6.11	-2.95	-0.79	259.03	449.13
		-636.56	-233.76	0.02	0.0	165.0	-1.05	-6.11	-2.95	-0.79	-233.76	-636.56
109	11	325.29	-176.96	0.02	0.0	0.0	-0.89	-4.42	-2.39	-1.08	-220.15	325.29
		-440.50	-220.15	-0.03	0.0	165.0	-0.89	-4.42	-2.39	-1.08	-176.96	-440.50
109	12	98.73	2.47	1.80e-03	0.0	0.0	-12.27	-0.58	0.06	0.03	-6.83	98.73
		3.64	-6.83	-6.07e-04	0.0	165.0	-12.27	-0.58	0.06	0.03	2.47	3.64
109	13	2.801e+04	2674.90	0.93	0.0	0.0	-11.27	-293.84	37.51	2.23	-3515.05	2.801e+04
		-2.048e+04	-3515.05	-0.46	0.0	165.0	-11.27	-293.84	37.51	2.23	2674.90	-2.048e+04
110	1	4490.95	79.93	-0.03	-16.62	0.0	-0.19	18.60	-3.26	-1.50	79.93	2792.87
		2792.87	-167.82	0.02	3.53	165.0	-0.19	1.98	0.27	-1.50	-166.12	4490.95
110	2	1.297e+04	63.71	-0.10	0.0	0.0	-1.01	27.88	-3.70	-2.53	63.71	8373.31
		8373.31	-547.23	0.05	0.0	165.0	-1.01	27.88	-3.70	-2.53	-547.23	1.297e+04
110	3	2.538e+04	124.63	-0.20	0.0	0.0	-1.98	54.54	-7.24	-4.94	124.63	1.638e+04
		1.638e+04	-1070.50	0.11	0.0	165.0	-1.98	54.54	-7.24	-4.94	-1070.50	2.538e+04
110	4	436.34	414.26	0.04	0.0	0.0	19.52	3.03	-4.67	-1.72	414.26	-275.82
		-275.82	-358.59	-0.08	0.0	165.0	19.52	3.03	-4.67	-1.72	-358.59	436.34
110	5	436.34	414.26	0.04	0.0	0.0	19.52	3.03	-4.67	-1.72	414.26	-275.82
		-275.82	-358.59	-0.08	0.0	165.0	19.52	3.03	-4.67	-1.72	-358.59	436.34
110	6	-1723.16	988.94	0.02	0.0	0.0	-2.90	-2.44	13.58	-2.94	-1264.42	-1723.16
		-2049.29	-1264.42	-0.05	0.0	165.0	-2.90	-2.44	13.58	-2.94	988.94	-2049.29
110	7	-1190.33	737.25	0.06	0.0	0.0	-3.93	-1.84	9.52	-3.70	-839.88	-1190.33
		-1406.57	-839.88	-0.13	0.0	165.0	-3.93	-1.84	9.52	-3.70	737.25	-1406.57
110	8	138.82	132.09	0.01	0.0	0.0	6.21	0.96	-1.49	-0.55	132.09	-87.89
		-87.89	-114.53	-0.03	0.0	165.0	6.21	0.96	-1.49	-0.55	-114.53	138.82
110	9	138.82	132.09	0.01	0.0	0.0	6.21	0.96	-1.49	-0.55	132.09	-87.89
		-87.89	-114.53	-0.03	0.0	165.0	6.21	0.96	-1.49	-0.55	-114.53	138.82
110	10	-636.29	325.64	7.91e-03	0.0	0.0	-0.98	-0.92	4.47	-1.05	-416.00	-636.29
		-761.36	-416.00	-0.02	0.0	165.0	-0.98	-0.92	4.47	-1.05	325.64	-761.36
110	11	-440.27	247.97	0.02	0.0	0.0	-1.27	-0.69	3.19	-1.26	-281.36	-440.27
		-522.31	-281.36	-0.04	0.0	165.0	-1.27	-0.69	3.19	-1.26	247.97	-522.31
110	12	3.69	0.24	1.93e-03	0.0	0.0	-12.30	-0.59	-5.69e-03	0.04	0.24	3.69
		-94.20	-0.70	-7.70e-04	0.0	165.0	-12.30	-0.59	-5.69e-03	0.04	-0.70	-94.20
110	13	-2.047e+04	3225.10	0.36	0.0	0.0	-7.28	-70.69	39.05	1.39	-3217.94	-2.047e+04
		-3.213e+04	-3217.94	-0.57	0.0	165.0	-7.28	-70.69	39.05	1.39	3225.10	-3.213e+04
111	1	4490.60	412.50	0.14	-16.62	0.0	0.06	-11.04	2.82	-0.94	-344.76	4490.60
		1297.68	-344.76	-0.04	3.53	165.0	0.06	-27.66	6.36	-0.94	412.50	1297.68
111	2	1.297e+04	973.29	0.35	0.0	0.0	-0.32	-59.69	12.29	-0.08	-1054.74	1.297e+04
		3124.22	-1054.74	-0.11	0.0	165.0	-0.32	-59.69	12.29	-0.08	973.29	3124.22
111	3	2.538e+04	1903.97	0.69	0.0	0.0	-0.63	-116.78	24.04	-0.16	-2063.30	2.538e+04
		6111.63	-2063.30	-0.22	0.0	165.0	-0.63	-116.78	24.04	-0.16	1903.97	6111.63
111	4	958.22	494.63	0.04	0.0	0.0	29.82	3.75	-6.96	-1.31	494.63	436.23
		436.23	-658.00	-0.08	0.0	165.0	29.82	3.75	-6.96	-1.31	-658.00	958.22
111	5	958.22	494.63	0.04	0.0	0.0	29.82	3.75	-6.96	-1.31	494.63	436.23
		436.23	-658.00	-0.08	0.0	165.0	29.82	3.75	-6.96	-1.31	-658.00	958.22
111	6	-452.81	1946.78	0.05	0.0	0.0	-4.95	9.81	22.33	-3.90	-1739.19	-2048.90
		-2048.90	-1739.19	-0.12	0.0	165.0	-4.95	9.81	22.33	-3.90	1946.78	-452.81
111	7	-311.62	1107.50	0.07	0.0	0.0	-5.64	6.91	12.41	-4.32	-942.18	-1406.18
		-1406.18	-942.18	-0.14	0.0	165.0	-5.64	6.91	12.41	-4.32	1107.50	-311.62
111	8	304.66	157.35	0.01	0.0	0.0	9.48	1.19	-2.22	-0.42	157.35	138.78
		138.78	-209.35	-0.02	0.0	165.0	9.48	1.19	-2.22	-0.42	-209.35	304.66
111	9	304.66	157.35	0.01	0.0	0.0	9.48	1.19	-2.22	-0.42	157.35	138.78
		138.78	-209.35	-0.02	0.0	165.0	9.48	1.19	-2.22	-0.42	-209.35	304.66
111	10	-164.11	640.48	0.02	0.0	0.0	-1.58	3.66	7.35	-1.42	-572.48	-761.20
		-761.20	-572.48	-0.04	0.0	165.0	-1.58	3.66	7.35	-1.42	640.48	-164.11
111	11	-112.32	368.73	0.02	0.0	0.0	-1.80	2.56	4.14	-1.51	-314.13	-522.15
		-522.15	-314.13	-0.04	0.0	165.0	-1.80	2.56	4.14	-1.51	368.73	-112.32
111	12	-94.18	9.43	-1.93e-03	0.0	0.0	-12.34	-0.62	0.08	-0.05	-3.07	-94.18
		-195.69	-3.07	-6.50e-04	0.0	165.0	-12.34	-0.62	0.08	-0.05	9.43	-195.69
111	13	-7828.97	3334.78	-0.72	0.0	0.0	-3.35	147.28	36.16	-4.43	-2632.20	-3.213e+04

		-3.213e+04	-2632.20	-0.47	0.0	165.0	-3.35	147.28	36.16	-4.43	3334.78	-7828.97
112	1	1298.23	212.24	0.04	-3.32	0.0	0.11	-41.06	2.22	1.28	127.48	1298.23
		-111.45	127.48	-1.77e-03	0.71	33.0	0.11	-44.38	2.92	1.28	212.24	-111.45
112	2	3129.18	757.37	0.10	0.0	0.0	-0.12	-105.35	17.47	-1.83	180.92	3129.18
		-347.52	180.92	-5.52e-03	0.0	33.0	-0.12	-105.35	17.47	-1.83	757.37	-347.52
112	3	6121.35	1481.58	0.19	0.0	0.0	-0.24	-206.10	34.17	-3.59	353.92	6121.35
		-679.82	353.92	-0.01	0.0	33.0	-0.24	-206.10	34.17	-3.59	1481.58	-679.82
112	4	1082.70	1145.04	0.01	0.0	0.0	38.03	4.16	51.57	0.96	-595.34	958.75
		958.75	-595.34	-0.03	0.0	33.0	38.03	4.16	51.57	0.96	1145.04	1082.70
112	5	1082.70	1145.04	0.01	0.0	0.0	38.03	4.16	51.57	0.96	-595.34	958.75
		958.75	-595.34	-0.03	0.0	33.0	38.03	4.16	51.57	0.96	1145.04	1082.70
112	6	151.02	1660.90	0.01	0.0	0.0	-6.67	13.83	41.08	-3.65	350.40	-452.83
		-452.83	350.40	0.01	0.0	33.0	-6.67	13.83	41.08	-3.65	1660.90	151.02
112	7	-176.66	781.73	0.01	0.0	0.0	-7.31	9.61	18.02	-4.24	277.07	-311.53
		-311.53	277.07	-6.37e-03	0.0	33.0	-7.31	9.61	18.02	-4.24	781.73	-176.66
112	8	344.23	364.07	3.36e-03	0.0	0.0	12.09	1.32	16.40	0.31	-189.30	304.83
		304.83	-189.30	-9.11e-03	0.0	33.0	12.09	1.32	16.40	0.31	364.07	344.23
112	9	344.23	364.07	3.36e-03	0.0	0.0	12.09	1.32	16.40	0.31	-189.30	304.83
		304.83	-189.30	-9.11e-03	0.0	33.0	12.09	1.32	16.40	0.31	364.07	344.23
112	10	49.11	539.49	3.49e-03	0.0	0.0	-2.13	5.16	13.24	-1.32	118.25	-164.10
		-164.10	118.25	4.19e-03	0.0	33.0	-2.13	5.16	13.24	-1.32	539.49	49.11
112	11	-56.65	259.24	4.55e-03	0.0	0.0	-2.32	3.55	5.92	-1.47	92.08	-112.27
		-112.27	92.08	-2.06e-03	0.0	33.0	-2.32	3.55	5.92	-1.47	259.24	-56.65
112	12	-195.80	21.73	-1.21e-03	0.0	0.0	-12.43	-0.62	-3.84	-0.15	21.73	-195.80
		-216.29	-105.00	-6.71e-05	0.0	33.0	-12.43	-0.62	-3.84	-0.15	-105.00	-216.29
112	13	805.89	2602.03	-0.21	0.0	0.0	-3.26	262.02	59.68	-0.76	632.72	-7840.81
		-7840.81	632.72	-0.02	0.0	33.0	-3.26	262.02	59.68	-0.76	2602.03	805.89
113	1	-1.172e+04	57.99	0.04	-29.66	0.0	14.16	-132.65	1.54	-111.75	-96.14	-1.172e+04
		-2.649e+04	-96.14	-6.02e-05	0.0	100.2	20.47	-162.31	1.54	-111.75	57.99	-2.649e+04
113	2	-7968.92	148.75	0.06	0.0	0.0	22.15	-145.83	4.91	-283.75	-343.09	-7968.92
		-2.258e+04	-343.09	9.04e-05	0.0	100.2	22.15	-145.83	4.91	-283.75	148.75	-2.258e+04
113	3	-1.559e+04	290.99	0.11	0.0	0.0	43.33	-285.28	9.60	-555.08	-671.16	-1.559e+04
		-4.417e+04	-671.16	1.77e-04	0.0	100.2	43.33	-285.28	9.60	-555.08	290.99	-4.417e+04
113	4	591.83	306.93	0.22	0.0	0.0	-99.04	-7.24	-50.99	-1084.39	306.93	591.83
		-1284.19	-4952.60	-0.07	0.0	100.2	-99.04	-7.24	-50.99	-1084.39	-4952.60	-1284.19
113	5	591.83	306.93	0.22	0.0	0.0	-99.04	-7.24	-50.99	-1084.39	306.93	591.83
		-1284.19	-4952.60	-0.07	0.0	100.2	-99.04	-7.24	-50.99	-1084.39	-4952.60	-1284.19
113	6	5257.59	-494.76	0.31	0.0	0.0	27.42	25.26	10.40	-198.75	-494.76	2727.45
		2727.45	-1012.97	0.06	0.0	100.2	27.42	25.26	10.40	-198.75	-1012.97	5257.59
113	7	7606.65	1008.78	0.64	0.0	0.0	64.79	36.54	16.72	162.24	-811.81	3947.18
		3947.18	-811.81	-0.06	0.0	100.2	64.79	36.54	16.72	162.24	1008.78	7606.65
113	8	188.49	98.46	0.07	0.0	0.0	-31.49	-2.30	-16.21	-344.77	98.46	188.49
		-408.87	-1574.63	-0.02	0.0	100.2	-31.49	-2.30	-16.21	-344.77	-1574.63	-408.87
113	9	188.49	98.46	0.07	0.0	0.0	-31.49	-2.30	-16.21	-344.77	98.46	188.49
		-408.87	-1574.63	-0.02	0.0	100.2	-31.49	-2.30	-16.21	-344.77	-1574.63	-408.87
113	10	1936.69	-162.26	0.10	0.0	0.0	8.93	9.30	3.33	-64.37	-162.26	1005.23
		1005.23	-321.97	0.02	0.0	100.2	8.93	9.30	3.33	-64.37	-321.97	1936.69
113	11	2807.21	320.75	0.20	0.0	0.0	20.76	13.51	5.34	53.86	-265.99	1454.07
		1454.07	-265.99	-0.02	0.0	100.2	20.76	13.51	5.34	53.86	320.75	2807.21
113	12	3.96	370.32	-1.86e-04	0.0	0.0	-3.92	-0.60	-11.07	-218.38	370.32	3.96
		-56.14	-738.89	1.96e-03	0.0	100.2	-3.92	-0.60	-11.07	-218.38	-738.89	-56.14
113	13	5.553e+04	-400.29	1.19	0.0	0.0	76.37	360.67	11.47	611.75	-1549.61	1.939e+04
		1.939e+04	-1549.61	8.02e-04	0.0	100.2	76.37	360.67	11.47	611.75	-400.29	5.553e+04
114	1	-2.040e+04	31.82	0.08	-29.66	0.0	7.32	-258.32	-0.46	24.26	31.82	-2.040e+04
		-4.776e+04	-14.17	-7.44e-05	0.0	100.2	13.63	-287.98	-0.46	24.26	-14.17	-4.776e+04
114	2	-2.005e+04	71.82	0.11	0.0	0.0	28.05	-413.99	-1.12	67.02	71.82	-2.005e+04
		-6.153e+04	-40.19	-1.06e-04	0.0	100.2	28.05	-413.99	-1.12	67.02	-40.19	-6.153e+04
114	3	-3.923e+04	140.49	0.21	0.0	0.0	54.88	-809.86	-2.19	131.10	140.49	-3.923e+04
		-1.204e+05	-78.62	-2.07e-04	0.0	100.2	54.88	-809.86	-2.19	131.10	-78.62	-1.204e+05
114	4	1308.37	517.23	0.16	0.0	0.0	-9.21	6.28	-50.74	-1097.11	517.23	-689.23
		-689.23	-4659.36	-0.07	0.0	100.2	-9.21	6.28	-50.74	-1097.11	-4659.36	1308.37
114	5	1308.37	517.23	0.16	0.0	0.0	-9.21	6.28	-50.74	-1097.11	517.23	-689.23
		-689.23	-4659.36	-0.07	0.0	100.2	-9.21	6.28	-50.74	-1097.11	-4659.36	1308.37
114	6	1.802e+04	-607.29	0.40	0.0	0.0	40.28	88.34	10.14	-191.30	-607.29	9169.88
		9169.88	-951.53	0.06	0.0	100.2	40.28	88.34	10.14	-191.30	-951.53	1.802e+04
114	7	2.240e+04	939.48	0.67	0.0	0.0	62.94	110.90	14.44	-168.02	-723.23	1.129e+04
		1.129e+04	-723.23	-0.06	0.0	100.2	62.94	110.90	14.44	-168.02	939.48	2.240e+04
114	8	416.07	165.63	0.05	0.0	0.0	-2.93	2.00	-16.13	-348.82	165.63	-219.17
		-219.17	-1481.40	-0.02	0.0	100.2	-2.93	2.00	-16.13	-348.82	-1481.40	416.07
114	9	416.07	165.63	0.05	0.0	0.0	-2.93	2.00	-16.13	-348.82	165.63	-219.17
		-219.17	-1481.40	-0.02	0.0	100.2	-2.93	2.00	-16.13	-348.82	-1481.40	416.07
114	10	6761.89	-200.19	0.13	0.0	0.0	14.30	33.14	3.27	-60.91	-200.19	3441.43
		3441.43	-302.45	0.02	0.0	100.2	14.30	33.14	3.27	-60.91	-302.45	6761.89
114	11	8410.29	298.66	0.21	0.0	0.0	21.70	41.66	4.63	-53.61	-240.17	4236.70
		4236.70	-240.17	-0.02	0.0	100.2	21.70	41.66	4.63	-53.61	298.66	8410.29
114	12	51.87	264.54	-2.45e-05	0.0	0.0	-0.11	0.48	-7.39	-147.94	264.54	4.09

		4.09	-476.05	1.26e-03	0.0	100.2	-0.11	0.48	-7.39	-147.94	-476.05	51.87
114	13	1.541e+05	43.17	1.26	0.0	0.0	103.93	1037.23	17.64	-237.82	-1724.67	5.016e+04
		5.016e+04	-1724.67	7.98e-04	0.0	100.2	103.93	1037.23	17.64	-237.82	43.17	1.541e+05
115	1	-1.922e+04	3.30	0.07	-29.66	0.0	6.86	-236.94	0.11	-5.16	-7.60	-1.922e+04
		-4.444e+04	-7.60	-7.55e-05	0.0	100.2	13.17	-266.60	0.11	-5.16	3.30	-4.444e+04
115	2	-1.797e+04	7.57	0.10	0.0	0.0	26.55	-361.83	0.32	-15.25	-24.15	-1.797e+04
		-5.422e+04	-24.15	-1.15e-04	0.0	100.2	26.55	-361.83	0.32	-15.25	7.57	-5.422e+04
115	3	-3.515e+04	14.80	0.19	0.0	0.0	51.94	-707.81	0.62	-29.83	-47.25	-3.515e+04
		-1.061e+05	-47.25	-2.25e-04	0.0	100.2	51.94	-707.81	0.62	-29.83	14.80	-1.061e+05
115	4	-464.15	507.98	0.09	0.0	0.0	-4.49	-4.60	-50.39	-1095.33	507.98	-464.15
		-923.42	-4652.67	-0.07	0.0	100.2	-4.49	-4.60	-50.39	-1095.33	-4652.67	-923.42
115	5	-464.15	507.98	0.09	0.0	0.0	-4.49	-4.60	-50.39	-1095.33	507.98	-464.15
		-923.42	-4652.67	-0.07	0.0	100.2	-4.49	-4.60	-50.39	-1095.33	-4652.67	-923.42
115	6	2.124e+04	-497.73	0.48	0.0	0.0	49.68	102.93	8.99	-194.41	-497.73	1.093e+04
		1.093e+04	-943.48	0.06	0.0	100.2	49.68	102.93	8.99	-194.41	-943.48	2.124e+04
115	7	2.444e+04	935.48	0.63	0.0	0.0	62.85	119.23	10.34	186.55	-346.09	1.250e+04
		1.250e+04	-346.09	-0.06	0.0	100.2	62.85	119.23	10.34	186.55	935.48	2.444e+04
115	8	-147.67	162.41	0.03	0.0	0.0	-1.43	-1.46	-16.02	-348.25	162.41	-147.67
		-293.80	-1479.27	-0.02	0.0	100.2	-1.43	-1.46	-16.02	-348.25	-1479.27	-293.80
115	9	-147.67	162.41	0.03	0.0	0.0	-1.43	-1.46	-16.02	-348.25	162.41	-147.67
		-293.80	-1479.27	-0.02	0.0	100.2	-1.43	-1.46	-16.02	-348.25	-1479.27	-293.80
115	10	7978.09	-163.02	0.15	0.0	0.0	17.63	38.66	2.89	-61.90	-163.02	4105.02
		4105.02	-299.90	0.02	0.0	100.2	17.63	38.66	2.89	-61.90	-299.90	7978.09
115	11	9178.90	297.40	0.20	0.0	0.0	21.99	44.79	3.30	59.42	-114.40	4692.06
		4692.06	-114.40	-0.02	0.0	100.2	21.99	44.79	3.30	59.42	297.40	9178.90
115	12	5.34	132.15	1.25e-04	0.0	0.0	-0.04	0.05	-3.71	-73.46	132.15	0.29
		0.29	-239.96	6.41e-04	0.0	100.2	-0.04	0.05	-3.71	-73.46	-239.96	5.34
115	13	1.351e+05	-54.19	1.39	0.0	0.0	115.86	904.38	5.88	8.38	-643.48	4.453e+04
		4.453e+04	-643.48	2.88e-04	0.0	100.2	115.86	904.38	5.88	8.38	-54.19	1.351e+05
116	1	-1.919e+04	1.47	0.07	-29.66	0.0	6.99	-240.83	-6.73e-03	0.02	1.47	-1.919e+04
		-4.480e+04	0.79	-8.17e-05	0.0	100.2	13.30	-270.49	-6.73e-03	0.02	0.79	-4.480e+04
116	2	-1.804e+04	1.23	0.10	0.0	0.0	26.85	-373.79	-4.69e-04	-0.01	1.23	-1.804e+04
		-5.549e+04	1.19	-1.40e-04	0.0	100.2	26.85	-373.79	-4.69e-04	-0.01	1.19	-5.549e+04
116	3	-3.529e+04	2.42	0.20	0.0	0.0	52.52	-731.22	-9.18e-04	-0.03	2.42	-3.529e+04
		-1.086e+05	2.32	-2.74e-04	0.0	100.2	52.52	-731.22	-9.18e-04	-0.03	2.32	-1.086e+05
116	4	-1.47	521.00	-3.26e-04	0.0	0.0	-3.18	-0.01	-50.24	-1097.80	521.00	-1.47
		-2.86	-4649.24	-0.07	0.0	100.2	-3.18	-0.01	-50.24	-1097.80	-4649.24	-2.86
116	5	-1.47	521.00	-3.26e-04	0.0	0.0	-3.18	-0.01	-50.24	-1097.80	521.00	-1.47
		-2.86	-4649.24	-0.07	0.0	100.2	-3.18	-0.01	-50.24	-1097.80	-4649.24	-2.86
116	6	2.118e+04	-259.55	0.56	0.0	0.0	53.91	104.01	-8.22	-194.30	-259.55	1.076e+04
		1.076e+04	-935.48	0.06	0.0	100.2	53.91	104.01	-8.22	-194.30	-935.48	2.118e+04
116	7	2.118e+04	939.25	0.56	0.0	0.0	54.46	103.92	8.27	195.05	260.44	1.077e+04
		1.077e+04	260.44	-0.06	0.0	100.2	54.46	103.92	8.27	195.05	939.25	2.118e+04
116	8	-0.47	166.19	-1.04e-04	0.0	0.0	-1.01	-4.42e-03	-15.97	-349.03	166.19	-0.47
		-0.91	-1478.18	-0.02	0.0	100.2	-1.01	-4.42e-03	-15.97	-349.03	-1478.18	-0.91
116	9	-0.47	166.19	-1.04e-04	0.0	0.0	-1.01	-4.42e-03	-15.97	-349.03	166.19	-0.47
		-0.91	-1478.18	-0.02	0.0	100.2	-1.01	-4.42e-03	-15.97	-349.03	-1478.18	-0.91
116	10	7947.96	-86.63	0.18	0.0	0.0	18.85	39.04	-2.62	-61.99	-86.63	4037.05
		4037.05	-297.35	0.02	0.0	100.2	18.85	39.04	-2.62	-61.99	-297.35	7947.96
116	11	7945.37	298.55	0.18	0.0	0.0	19.00	39.00	2.64	62.23	87.13	4038.18
		4038.18	87.13	-0.02	0.0	100.2	19.00	39.00	2.64	62.23	298.55	7945.37
116	12	16.76	0.04	1.38e-04	0.0	0.0	0.02	0.17	-4.46e-05	1.95e-04	0.04	0.16
		0.16	0.04	0.0	0.0	100.2	0.02	0.17	-4.46e-05	1.95e-04	0.04	16.76
116	13	1.380e+05	0.31	1.41	0.0	0.0	118.08	932.89	0.05	0.22	-5.18	4.455e+04
		4.455e+04	-5.18	-2.09e-04	0.0	100.2	118.08	932.89	0.05	0.22	0.31	1.380e+05
117	1	-1.922e+04	10.47	0.07	-29.66	0.0	6.86	-236.95	-0.12	5.20	10.47	-1.922e+04
		-4.444e+04	-1.72	-8.80e-05	0.0	100.2	13.17	-266.60	-0.12	5.20	-1.72	-4.444e+04
117	2	-1.797e+04	26.42	0.10	0.0	0.0	26.56	-361.83	-0.32	15.22	26.42	-1.797e+04
		-5.422e+04	-5.20	-1.65e-04	0.0	100.2	26.56	-361.83	-0.32	15.22	-5.20	-5.422e+04
117	3	-3.515e+04	51.69	0.19	0.0	0.0	51.96	-707.82	-0.62	29.76	51.69	-3.515e+04
		-1.061e+05	-10.17	-3.23e-04	0.0	100.2	51.96	-707.82	-0.62	29.76	-10.17	-1.061e+05
117	4	924.30	507.81	-0.09	0.0	0.0	-7.84	4.60	-50.39	-1095.34	507.81	464.58
		464.58	-4652.83	-0.07	0.0	100.2	-7.84	4.60	-50.39	-1095.34	-4652.83	924.30
117	5	924.30	507.81	-0.09	0.0	0.0	-7.84	4.60	-50.39	-1095.34	507.81	464.58
		464.58	-4652.83	-0.07	0.0	100.2	-7.84	4.60	-50.39	-1095.34	-4652.83	924.30
117	6	2.444e+04	347.38	0.63	0.0	0.0	62.30	119.26	-10.31	-185.77	347.38	1.249e+04
		1.249e+04	-931.75	0.06	0.0	100.2	62.30	119.26	-10.31	-185.77	-931.75	2.444e+04
117	7	2.119e+04	947.25	0.48	0.0	0.0	50.19	102.69	-9.03	195.12	496.79	1.091e+04
		1.091e+04	496.79	-0.06	0.0	100.2	50.19	102.69	-9.03	195.12	947.25	2.119e+04
117	8	294.08	162.35	-0.03	0.0	0.0	-2.49	1.46	-16.02	-348.25	162.35	147.81
		147.81	-1479.32	-0.02	0.0	100.2	-2.49	1.46	-16.02	-348.25	-1479.32	294.08
117	9	294.08	162.35	-0.03	0.0	0.0	-2.49	1.46	-16.02	-348.25	162.35	147.81
		147.81	-1479.32	-0.02	0.0	100.2	-2.49	1.46	-16.02	-348.25	-1479.32	294.08
117	10	9178.19	114.92	0.20	0.0	0.0	21.84	44.80	-3.30	-59.18	114.92	4690.29
		4690.29	-296.22	0.02	0.0	100.2	21.84	44.80	-3.30	-59.18	-296.22	9178.19
117	11	7959.33	301.10	0.15	0.0	0.0	17.77	38.56	-2.90	62.13	162.80	4095.66

		4095.66	162.80	-0.02	0.0	100.2	17.77	38.56	-2.90	62.13	301.10	7959.33
117	12	5.35	240.04	1.25e-04	0.0	0.0	0.07	0.05	3.71	73.46	-132.06	0.30
		0.30	-132.06	-6.41e-04	0.0	100.2	0.07	0.05	3.71	73.46	240.04	5.35
117	13	1.351e+05	634.52	1.39	0.0	0.0	116.09	904.39	-5.79	-7.86	634.52	4.453e+04
		4.453e+04	54.79	-4.76e-04	0.0	100.2	116.09	904.39	-5.79	-7.86	54.79	1.351e+05
118	1	-2.039e+04	15.78	0.08	-29.66	0.0	7.32	-258.32	0.44	-24.22	-28.61	-2.039e+04
		-4.776e+04	-28.61	-8.90e-05	0.0	100.2	13.63	-287.98	0.44	-24.22	15.78	-4.776e+04
118	2	-2.005e+04	42.61	0.11	0.0	0.0	28.05	-413.98	1.11	-67.02	-68.71	-2.005e+04
		-6.153e+04	-68.71	-1.74e-04	0.0	100.2	28.05	-413.98	1.11	-67.02	42.61	-6.153e+04
118	3	-3.923e+04	83.36	0.21	0.0	0.0	54.88	-809.84	2.17	-131.11	-134.42	-3.923e+04
		-1.204e+05	-134.42	-3.40e-04	0.0	100.2	54.88	-809.84	2.17	-131.11	83.36	-1.204e+05
118	4	689.21	517.03	-0.16	0.0	0.0	-13.01	-6.28	-50.74	-1097.12	517.03	689.21
		-1308.35	-4659.69	-0.07	0.0	100.2	-13.01	-6.28	-50.74	-1097.12	-4659.69	-1308.35
118	5	689.21	517.03	-0.16	0.0	0.0	-13.01	-6.28	-50.74	-1097.12	517.03	689.21
		-1308.35	-4659.69	-0.07	0.0	100.2	-13.01	-6.28	-50.74	-1097.12	-4659.69	-1308.35
118	6	2.237e+04	723.49	0.67	0.0	0.0	62.35	110.72	-14.41	167.16	723.49	1.128e+04
		1.128e+04	-935.76	0.06	0.0	100.2	62.35	110.72	-14.41	167.16	-935.76	2.237e+04
118	7	1.799e+04	955.31	0.40	0.0	0.0	40.74	88.27	-10.18	191.99	605.42	9151.41
		9151.41	605.42	-0.06	0.0	100.2	40.74	88.27	-10.18	191.99	955.31	1.799e+04
118	8	219.17	165.56	-0.05	0.0	0.0	-4.14	-2.00	-16.13	-348.82	165.56	219.17
		-416.06	-1481.50	-0.02	0.0	100.2	-4.14	-2.00	-16.13	-348.82	-1481.50	-416.06
118	9	219.17	165.56	-0.05	0.0	0.0	-4.14	-2.00	-16.13	-348.82	165.56	219.17
		-416.06	-1481.50	-0.02	0.0	100.2	-4.14	-2.00	-16.13	-348.82	-1481.50	-416.06
118	10	8401.25	240.16	0.21	0.0	0.0	21.54	41.59	-4.62	53.33	240.16	4234.52
		4234.52	-297.48	0.02	0.0	100.2	21.54	41.59	-4.62	53.33	-297.48	8401.25
118	11	6752.40	303.65	0.13	0.0	0.0	14.43	33.12	-3.28	61.13	199.48	3434.42
		3434.42	199.48	-0.02	0.0	100.2	14.43	33.12	-3.28	61.13	303.65	6752.40
118	12	51.88	476.14	-2.45e-05	0.0	0.0	0.11	0.48	7.39	147.94	-264.46	4.09
		4.09	-264.46	-1.26e-03	0.0	100.2	0.11	0.48	7.39	147.94	476.14	51.88
118	13	1.541e+05	1716.45	1.26	0.0	0.0	104.41	1037.21	-17.56	238.42	1716.45	5.016e+04
		5.016e+04	-42.83	-9.77e-04	0.0	100.2	104.41	1037.21	-17.56	238.42	-42.83	1.541e+05
119	1	-1.171e+04	96.30	0.04	-29.66	0.0	14.58	-132.53	-1.52	111.78	96.30	-1.171e+04
		-2.648e+04	-56.46	-1.03e-04	0.0	100.2	20.89	-162.19	-1.52	111.78	-56.46	-2.648e+04
119	2	-7938.35	341.58	0.06	0.0	0.0	22.37	-145.17	-4.87	283.73	341.58	-7938.35
		-2.248e+04	-146.59	-2.27e-04	0.0	100.2	22.37	-145.17	-4.87	283.73	-146.59	-2.248e+04
119	3	-1.553e+04	668.20	0.11	0.0	0.0	43.76	-283.98	-9.53	555.04	668.20	-1.553e+04
		-4.398e+04	-286.76	-4.44e-04	0.0	100.2	43.76	-283.98	-9.53	555.04	-286.76	-4.398e+04
119	4	1282.02	304.81	-0.22	0.0	0.0	95.80	7.23	-51.02	-1084.39	304.81	-590.72
		-590.72	-4959.87	-0.07	0.0	100.2	95.80	7.23	-51.02	-1084.39	-4959.87	1282.02
119	5	1282.02	304.81	-0.22	0.0	0.0	95.80	7.23	-51.02	-1084.39	304.81	-590.72
		-590.72	-4959.87	-0.07	0.0	100.2	95.80	7.23	-51.02	-1084.39	-4959.87	1282.02
119	6	7638.29	808.84	0.64	0.0	0.0	64.18	36.65	-16.67	-161.56	808.84	3967.73
		3967.73	-1006.17	0.06	0.0	100.2	64.18	36.65	-16.67	-161.56	-1006.17	7638.29
119	7	5266.55	1018.26	0.31	0.0	0.0	27.13	25.29	-10.45	199.42	492.23	2733.75
		2733.75	492.23	-0.06	0.0	100.2	27.13	25.29	-10.45	199.42	1018.26	5266.55
119	8	408.18	97.78	-0.07	0.0	0.0	30.46	2.30	-16.22	-344.77	97.78	-188.14
		-188.14	-1576.94	-0.02	0.0	100.2	30.46	2.30	-16.22	-344.77	-1576.94	408.18
119	9	408.18	97.78	-0.07	0.0	0.0	30.46	2.30	-16.22	-344.77	97.78	-188.14
		-188.14	-1576.94	-0.02	0.0	100.2	30.46	2.30	-16.22	-344.77	-1576.94	408.18
119	10	2819.72	264.83	0.20	0.0	0.0	20.56	13.55	-5.33	-53.66	264.83	1462.18
		1462.18	-319.93	0.02	0.0	100.2	20.56	13.55	-5.33	-53.66	-319.93	2819.72
119	11	1940.29	323.66	0.10	0.0	0.0	8.83	9.31	-3.34	64.58	161.24	1007.73
		1007.73	161.24	-0.02	0.0	100.2	8.83	9.31	-3.34	64.58	323.66	1940.29
119	12	3.97	739.93	-1.86e-04	0.0	0.0	-3.76	-0.60	11.07	218.37	-369.32	3.97
		-56.12	-369.32	-1.97e-03	0.0	100.2	-3.76	-0.60	11.07	218.37	739.93	-56.12
119	13	5.529e+04	1550.81	1.19	0.0	0.0	75.95	358.99	-11.47	-611.00	1550.81	1.932e+04
		1.932e+04	401.16	-9.87e-04	0.0	100.2	75.95	358.99	-11.47	-611.00	401.16	5.529e+04
120	1	426.08	139.10	-0.04	10.55	0.0	14.14	-6.05	-1.40	-0.54	139.10	426.08
		79.03	-141.92	2.07e-03	0.0	200.4	16.39	4.50	-1.40	-0.54	-141.92	271.51
120	2	924.47	385.86	-0.08	40.43	0.0	9.29	-21.00	-3.86	-0.64	385.86	924.47
		-167.05	-387.69	5.35e-03	0.0	200.4	17.89	19.42	-3.86	-0.64	-387.69	766.60
120	3	1808.46	754.83	-0.15	79.08	0.0	18.17	-41.08	-7.55	-1.25	754.83	1808.46
		-326.78	-758.41	0.01	0.0	200.4	35.00	38.00	-7.55	-1.25	-758.41	1499.63
120	4	70.08	208.38	-0.42	0.0	0.0	108.46	0.29	-2.14	0.69	208.38	13.27
		13.27	-220.38	0.17	0.0	200.4	108.46	0.29	-2.14	0.69	-220.38	70.08
120	5	70.08	208.38	-0.42	0.0	0.0	108.46	0.29	-2.14	0.69	208.38	13.27
		13.27	-220.38	0.17	0.0	200.4	108.46	0.29	-2.14	0.69	-220.38	70.08
120	6	112.12	428.18	-0.62	0.0	0.0	21.57	0.41	-4.27	-2.01	428.18	-44.58
		-44.58	-427.65	-0.11	0.0	200.4	21.57	0.41	-4.27	-2.01	-427.65	112.12
120	7	201.22	769.55	-1.26	0.0	0.0	17.79	0.82	-7.65	-1.88	769.55	-61.92
		-61.92	-764.24	0.11	0.0	200.4	17.79	0.82	-7.65	-1.88	-764.24	201.22
120	8	22.28	66.33	-0.13	0.0	0.0	34.49	0.09	-0.68	0.22	66.33	4.22
		4.22	-70.14	0.05	0.0	200.4	34.49	0.09	-0.68	0.22	-70.14	22.28
120	9	22.28	66.33	-0.13	0.0	0.0	34.49	0.09	-0.68	0.22	66.33	4.22
		4.22	-70.14	0.05	0.0	200.4	34.49	0.09	-0.68	0.22	-70.14	22.28
120	10	37.47	142.21	-0.20	0.0	0.0	6.87	0.13	-1.42	-0.70	142.21	-16.51

		-16.51	-142.01	-0.03	0.0	200.4	6.87	0.13	-1.42	-0.70	-142.01	37.47
120	11	66.08	252.42	-0.40	0.0	0.0	5.73	0.26	-2.51	-0.68	252.42	-22.98
		-22.98	-250.73	0.03	0.0	200.4	5.73	0.26	-2.51	-0.68	-250.73	66.08
120	12	2.45	-1.81	4.70e-04	0.0	0.0	3.98	3.57e-03	-8.38e-03	1.02e-03	-1.81	1.74
		1.74	-3.49	-2.52e-04	0.0	200.4	3.98	3.57e-03	-8.38e-03	1.02e-03	-3.49	2.45
120	13	583.06	1335.52	-2.45	-100.19	0.0	-14.02	53.66	-13.28	-0.45	1335.52	-2288.68
		-2288.68	-1324.64	0.02	0.0	200.4	-14.02	-46.54	-13.28	-0.45	-1324.64	-1575.32
121	1	404.51	83.89	-0.06	10.55	0.0	-1.46	-5.75	-0.85	-0.35	83.89	404.51
		91.25	-86.49	1.33e-03	0.0	200.4	0.78	4.80	-0.85	-0.35	-86.49	309.99
121	2	1551.22	236.81	-0.10	80.85	0.0	-11.24	-39.98	-2.40	-0.28	236.81	1461.08
		-519.01	-244.12	3.59e-03	0.0	200.4	5.96	40.87	-2.40	-0.28	-244.12	1551.22
121	3	3034.51	463.26	-0.20	158.16	0.0	-21.98	-78.20	-4.69	-0.55	463.26	2858.18
		-1015.30	-477.56	7.02e-03	0.0	200.4	11.67	79.96	-4.69	-0.55	-477.56	3034.51
121	4	68.01	492.33	-0.39	0.0	0.0	-1.74	0.22	-4.69	0.70	492.33	27.03
		27.03	-447.86	0.17	0.0	200.4	-1.74	0.22	-4.69	0.70	-447.86	68.01
121	5	68.01	492.33	-0.39	0.0	0.0	-1.74	0.22	-4.69	0.70	492.33	27.03
		27.03	-447.86	0.17	0.0	200.4	-1.74	0.22	-4.69	0.70	-447.86	68.01
121	6	148.12	785.62	-0.67	0.0	0.0	-1.56	0.50	-7.86	-1.75	785.62	52.54
		52.54	-790.10	-0.11	0.0	200.4	-1.56	0.50	-7.86	-1.75	-790.10	148.12
121	7	223.46	1243.37	-1.28	0.0	0.0	-2.29	0.82	-12.52	-1.43	1243.37	65.49
		65.49	-1266.26	0.11	0.0	200.4	-2.29	0.82	-12.52	-1.43	-1266.26	223.46
121	8	21.63	156.75	-0.12	0.0	0.0	-0.55	0.07	-1.49	0.22	156.75	8.59
		8.59	-142.63	0.05	0.0	200.4	-0.55	0.07	-1.49	0.22	-142.63	21.63
121	9	21.63	156.75	-0.12	0.0	0.0	-0.55	0.07	-1.49	0.22	156.75	8.59
		8.59	-142.63	0.05	0.0	200.4	-0.55	0.07	-1.49	0.22	-142.63	21.63
121	10	52.42	261.25	-0.21	0.0	0.0	-0.57	0.17	-2.62	-0.60	261.25	19.39
		19.39	-262.86	-0.03	0.0	200.4	-0.57	0.17	-2.62	-0.60	-262.86	52.42
121	11	77.36	408.06	-0.41	0.0	0.0	-0.73	0.28	-4.11	-0.51	408.06	23.97
		23.97	-415.40	0.04	0.0	200.4	-0.73	0.28	-4.11	-0.51	-415.40	77.36
121	12	5.29	3.39	4.55e-04	0.0	0.0	-0.07	2.95e-03	-0.02	-2.28e-03	3.39	4.70
		4.70	-1.02	-2.45e-04	0.0	200.4	-0.07	2.95e-03	-0.02	-2.28e-03	-1.02	5.29
121	13	1444.94	2798.21	-2.50	-200.39	0.0	-2.02	100.23	-28.05	-1.57	2798.21	-3577.95
		-3577.95	-2822.41	0.04	0.0	200.4	-2.02	-100.16	-28.05	-1.57	-2822.41	-3570.94
122	1	482.51	297.28	-0.07	10.55	0.0	-1.89	-6.02	2.94	-0.09	-292.60	482.51
		138.45	-292.60	-3.96e-03	0.0	200.4	0.36	4.53	2.94	-0.09	297.28	333.25
122	2	1660.61	769.53	-0.11	80.85	0.0	-12.25	-40.87	7.62	0.19	-756.90	1660.61
		-408.79	-756.90	-0.01	0.0	200.4	4.95	39.98	7.62	0.19	769.53	1572.14
122	3	3248.51	1505.37	-0.21	158.16	0.0	-23.97	-79.94	14.90	0.38	-1480.65	3248.51
		-799.68	-1480.65	-0.02	0.0	200.4	9.68	78.22	14.90	0.38	1505.37	3075.43
122	4	50.88	386.75	-0.36	0.0	0.0	1.61	-0.18	-3.61	0.75	386.75	16.54
		16.54	-336.84	0.17	0.0	200.4	1.61	-0.18	-3.61	0.75	-336.84	50.88
122	5	50.88	386.75	-0.36	0.0	0.0	1.61	-0.18	-3.61	0.75	386.75	16.54
		16.54	-336.84	0.17	0.0	200.4	1.61	-0.18	-3.61	0.75	-336.84	50.88
122	6	178.50	581.50	-0.72	0.0	0.0	-1.65	0.49	-5.81	-1.47	581.50	-94.27
		-94.27	-581.96	-0.11	0.0	200.4	-1.65	0.49	-5.81	-1.47	-581.96	178.50
122	7	257.20	697.86	-1.30	0.0	0.0	-1.33	0.83	-7.01	-0.96	697.86	-114.99
		-114.99	-707.81	0.11	0.0	200.4	-1.33	0.83	-7.01	-0.96	-707.81	257.20
122	8	16.18	123.40	-0.11	0.0	0.0	0.51	-0.06	-1.15	0.24	123.40	5.26
		5.26	-107.58	0.05	0.0	200.4	0.51	-0.06	-1.15	0.24	-107.58	16.18
122	9	16.18	123.40	-0.11	0.0	0.0	0.51	-0.06	-1.15	0.24	123.40	5.26
		5.26	-107.58	0.05	0.0	200.4	0.51	-0.06	-1.15	0.24	-107.58	16.18
122	10	63.63	195.39	-0.23	0.0	0.0	-0.61	0.16	-1.95	-0.48	195.39	-35.25
		-35.25	-195.71	-0.03	0.0	200.4	-0.61	0.16	-1.95	-0.48	-195.71	63.63
122	11	89.93	230.38	-0.41	0.0	0.0	-0.43	0.27	-2.32	-0.32	230.38	-42.90
		-42.90	-233.59	0.03	0.0	200.4	-0.43	0.27	-2.32	-0.32	-233.59	89.93
122	12	2.37	3.22	2.44e-04	0.0	0.0	0.06	-5.23e-03	-0.02	-5.44e-03	3.22	2.37
		1.33	-1.44	-2.17e-04	0.0	200.4	0.06	-5.23e-03	-0.02	-5.44e-03	-1.44	1.33
122	13	1173.74	2817.91	-2.61	-200.39	0.0	4.68	102.65	-28.24	-2.92	2817.91	-4091.33
		-4091.33	-2841.54	0.04	0.0	200.4	4.68	-97.74	-28.24	-2.92	-2841.54	-3599.97
123	1	600.48	219.14	-0.07	10.55	0.0	22.13	-6.55	2.17	-0.05	-214.96	600.48
		193.33	-214.96	-2.90e-03	0.0	200.4	24.37	4.00	2.17	-0.05	219.14	345.39
123	2	1260.81	583.94	-0.10	40.43	0.0	27.16	-22.04	5.80	8.45e-03	-578.63	1260.81
		58.53	-578.63	-7.73e-03	0.0	200.4	35.76	18.39	5.80	8.45e-03	583.94	895.45
123	3	2466.42	1142.30	-0.19	79.08	0.0	53.14	-43.11	11.35	0.02	-1131.92	2466.42
		114.51	-1131.92	-0.02	0.0	200.4	69.96	35.97	11.35	0.02	1142.30	1751.69
123	4	50.50	93.98	-0.32	0.0	0.0	-102.01	0.21	-0.98	0.81	93.98	-9.75
		-9.75	-103.79	0.17	0.0	200.4	-102.01	0.21	-0.98	0.81	-103.79	50.50
123	5	50.50	93.98	-0.32	0.0	0.0	-102.01	0.21	-0.98	0.81	93.98	-9.75
		-9.75	-103.79	0.17	0.0	200.4	-102.01	0.21	-0.98	0.81	-103.79	50.50
123	6	200.72	236.33	-0.77	0.0	0.0	-20.42	0.51	2.36	-1.44	-236.18	-151.07
		-151.07	-236.18	-0.11	0.0	200.4	-20.42	0.51	2.36	-1.44	236.33	200.72
123	7	284.75	282.92	-1.30	0.0	0.0	15.89	0.88	2.83	-1.00	-283.65	-186.33
		-186.33	-283.65	0.11	0.0	200.4	15.89	0.88	2.83	-1.00	282.92	284.75
123	8	16.06	30.37	-0.10	0.0	0.0	-32.43	0.07	-0.32	0.26	30.37	-3.10
		-3.10	-33.44	0.05	0.0	200.4	-32.43	0.07	-0.32	0.26	-33.44	16.06
123	9	16.06	30.37	-0.10	0.0	0.0	-32.43	0.07	-0.32	0.26	30.37	-3.10

		-3.10	-33.44	0.05	0.0	200.4	-32.43	0.07	-0.32	0.26	-33.44	16.06
123	10	70.97	81.88	-0.24	0.0	0.0	-6.50	0.16	0.82	-0.46	-81.83	-56.77
		-56.77	-81.83	-0.03	0.0	200.4	-6.50	0.16	0.82	-0.46	81.88	70.97
123	11	98.77	98.42	-0.42	0.0	0.0	5.07	0.28	0.98	-0.33	-98.63	-70.08
		-70.08	-98.63	0.03	0.0	200.4	5.07	0.28	0.98	-0.33	98.42	98.77
123	12	-0.19	-0.55	3.65e-05	0.0	0.0	-2.59	-2.33e-03	-0.01	-4.25e-03	-0.55	-0.19
		-0.66	-2.56	-2.01e-04	0.0	200.4	-2.59	-2.33e-03	-0.01	-4.25e-03	-2.56	-0.66
123	13	47.05	1135.23	-2.75	-100.19	0.0	-85.46	56.52	-11.39	-2.09	1135.23	-3147.35
		-3147.35	-1146.61	0.02	0.0	200.4	-85.46	-43.67	-11.39	-2.09	-1146.61	-1860.37
124	1	615.36	175.52	-0.08	10.55	0.0	22.67	-6.61	-1.77	-0.15	175.52	615.36
		200.97	-179.80	2.62e-03	0.0	200.4	24.91	3.94	-1.77	-0.15	-179.80	348.67
124	2	1312.57	482.54	-0.10	40.43	0.0	27.86	-22.28	-4.84	-0.36	482.54	1312.57
		83.27	-488.03	6.81e-03	0.0	200.4	36.46	18.15	-4.84	-0.36	-488.03	899.17
124	3	2567.66	943.95	-0.20	79.08	0.0	54.50	-43.58	-9.47	-0.71	943.95	2567.66
		162.90	-954.69	0.01	0.0	200.4	71.32	35.50	-9.47	-0.71	-954.69	1758.98
124	4	54.66	159.50	-0.30	0.0	0.0	104.74	0.22	-1.66	0.83	159.50	10.33
		10.33	-173.69	0.17	0.0	200.4	104.74	0.22	-1.66	0.83	-173.69	54.66
124	5	54.66	159.50	-0.30	0.0	0.0	104.74	0.22	-1.66	0.83	159.50	10.33
		10.33	-173.69	0.17	0.0	200.4	104.74	0.22	-1.66	0.83	-173.69	54.66
124	6	211.97	523.39	-0.78	0.0	0.0	20.74	0.53	-5.22	-1.49	523.39	-160.29
		-160.29	-523.30	-0.11	0.0	200.4	20.74	0.53	-5.22	-1.49	-523.30	211.97
124	7	293.85	611.22	-1.30	0.0	0.0	-19.43	0.89	-6.08	-1.11	611.22	-197.81
		-197.81	-608.10	0.11	0.0	200.4	-19.43	0.89	-6.08	-1.11	-608.10	293.85
124	8	17.38	51.04	-0.10	0.0	0.0	33.30	0.07	-0.53	0.26	51.04	3.28
		3.28	-55.52	0.05	0.0	200.4	33.30	0.07	-0.53	0.26	-55.52	17.38
124	9	17.38	51.04	-0.10	0.0	0.0	33.30	0.07	-0.53	0.26	51.04	3.28
		3.28	-55.52	0.05	0.0	200.4	33.30	0.07	-0.53	0.26	-55.52	17.38
124	10	75.15	181.09	-0.25	0.0	0.0	6.61	0.17	-1.81	-0.49	181.09	-60.24
		-60.24	-181.03	-0.03	0.0	200.4	6.61	0.17	-1.81	-0.49	-181.03	75.15
124	11	102.23	211.10	-0.42	0.0	0.0	-6.28	0.28	-2.10	-0.37	211.10	-74.42
		-74.42	-210.14	0.03	0.0	200.4	-6.28	0.28	-2.10	-0.37	-210.14	102.23
124	12	0.31	-1.29	-8.53e-05	0.0	0.0	2.63	2.64e-03	2.71e-03	-2.85e-03	-1.83	-0.22
		-0.22	-1.83	-1.92e-04	0.0	200.4	2.63	2.64e-03	2.71e-03	-2.85e-03	-1.29	0.31
124	13	-11.00	587.86	-2.78	-100.19	0.0	-65.67	57.17	-5.78	-0.79	587.86	-3278.85
		-3278.85	-570.93	-8.11e-03	0.0	200.4	-65.67	-43.02	-5.78	-0.79	-570.93	-1861.31
125	1	571.26	215.80	-0.08	10.55	0.0	-1.80	-6.36	-2.17	-0.09	215.80	571.26
		187.21	-219.68	3.14e-03	0.0	200.4	0.45	4.19	-2.17	-0.09	-219.68	353.13
125	2	1960.55	569.56	-0.12	80.85	0.0	-12.05	-42.27	-5.74	-0.34	569.56	1960.55
		-249.68	-580.08	8.17e-03	0.0	200.4	5.15	38.58	-5.74	-0.34	-580.08	1590.43
125	3	3835.25	1114.18	-0.24	158.16	0.0	-23.57	-82.69	-11.22	-0.66	1114.18	3835.25
		-488.42	-1134.75	0.02	0.0	200.4	10.08	75.47	-11.22	-0.66	-1134.75	3111.21
125	4	47.62	475.71	-0.26	0.0	0.0	-1.78	0.19	-4.48	0.87	475.71	-9.35
		-9.35	-422.25	0.17	0.0	200.4	-1.78	0.19	-4.48	0.87	-422.25	47.62
125	5	47.62	475.71	-0.26	0.0	0.0	-1.78	0.19	-4.48	0.87	475.71	-9.35
		-9.35	-422.25	0.17	0.0	200.4	-1.78	0.19	-4.48	0.87	-422.25	47.62
125	6	242.93	836.16	-0.83	0.0	0.0	-2.22	0.58	-8.37	-1.47	836.16	-151.14
		-151.14	-841.12	-0.11	0.0	200.4	-2.22	0.58	-8.37	-1.47	-841.12	242.93
125	7	313.38	809.65	-1.29	0.0	0.0	-1.62	0.86	-8.16	1.18	809.65	-183.85
		-183.85	-824.68	0.11	0.0	200.4	-1.62	0.86	-8.16	1.18	-824.68	313.38
125	8	15.14	151.75	-0.08	0.0	0.0	-0.57	0.06	-1.43	0.28	151.75	-2.97
		-2.97	-134.82	0.05	0.0	200.4	-0.57	0.06	-1.43	0.28	-134.82	15.14
125	9	15.14	151.75	-0.08	0.0	0.0	-0.57	0.06	-1.43	0.28	151.75	-2.97
		-2.97	-134.82	0.05	0.0	200.4	-0.57	0.06	-1.43	0.28	-134.82	15.14
125	10	87.51	282.50	-0.27	0.0	0.0	-0.81	0.19	-2.83	-0.47	282.50	-56.71
		-56.71	-284.52	-0.03	0.0	200.4	-0.81	0.19	-2.83	-0.47	-284.52	87.51
125	11	111.04	273.47	-0.41	0.0	0.0	-0.53	0.28	-2.75	0.39	273.47	-69.00
		-69.00	-278.45	0.03	0.0	200.4	-0.53	0.28	-2.75	0.39	-278.45	111.04
125	12	0.72	1.48	-1.75e-04	0.0	0.0	-0.03	5.33e-03	6.66e-03	-1.20e-03	0.14	-0.35
		-0.35	0.14	-1.96e-04	0.0	200.4	-0.03	5.33e-03	6.66e-03	-1.20e-03	1.48	0.72
125	13	793.74	873.28	-2.79	-200.39	0.0	1.02	106.47	-8.75	-0.42	873.28	-4854.74
		-4854.74	-879.47	0.01	0.0	200.4	1.02	-93.92	-8.75	-0.42	-879.47	-3596.93
126	1	554.37	164.80	-0.08	10.55	0.0	-1.70	-6.31	1.63	0.16	-161.45	554.37
		176.34	-161.45	-2.16e-03	0.0	200.4	0.54	4.23	1.63	0.16	164.80	345.86
126	2	1915.75	435.13	-0.12	80.85	0.0	-11.80	-42.12	4.30	0.36	-425.88	1915.75
		-279.47	-425.88	-5.84e-03	0.0	200.4	5.40	38.73	4.30	0.36	435.13	1575.65
126	3	3747.61	851.21	-0.24	158.16	0.0	-23.09	-82.40	8.41	0.71	-833.11	3747.61
		-546.69	-833.11	-0.01	0.0	200.4	10.56	75.76	8.41	0.71	851.21	3082.30
126	4	-8.42	441.85	-0.22	0.0	0.0	1.72	0.14	-4.14	0.91	441.85	-8.42
		-33.86	-388.27	0.17	0.0	200.4	1.72	0.14	-4.14	0.91	-388.27	-33.86
126	5	-8.42	441.85	-0.22	0.0	0.0	1.72	0.14	-4.14	0.91	441.85	-8.42
		-33.86	-388.27	0.17	0.0	200.4	1.72	0.14	-4.14	0.91	-388.27	-33.86
126	6	251.27	557.82	-0.87	0.0	0.0	-1.89	0.60	-5.57	-1.49	557.82	-159.15
		-159.15	-557.91	-0.11	0.0	200.4	-1.89	0.60	-5.57	-1.49	-557.91	251.27
126	7	314.36	569.33	-1.27	0.0	0.0	-1.54	0.84	5.66	1.30	-564.14	-187.55
		-187.55	-564.14	0.11	0.0	200.4	-1.54	0.84	5.66	1.30	569.33	314.36
126	8	-2.68	140.97	-0.07	0.0	0.0	0.55	0.04	-1.32	0.29	140.97	-2.68

		-10.77	-124.00	0.05	0.0	200.4	0.55	0.04	-1.32	0.29	-124.00	-10.77
126	9	-2.68	140.97	-0.07	0.0	0.0	0.55	0.04	-1.32	0.29	140.97	-2.68
		-10.77	-124.00	0.05	0.0	200.4	0.55	0.04	-1.32	0.29	-124.00	-10.77
126	10	90.46	186.71	-0.28	0.0	0.0	-0.71	0.20	-1.87	-0.48	186.71	-59.75
		-59.75	-187.06	-0.03	0.0	200.4	-0.71	0.20	-1.87	-0.48	-187.06	90.46
126	11	111.66	195.14	-0.40	0.0	0.0	-0.51	0.27	1.94	0.42	-193.02	-70.35
		-70.35	-193.02	0.03	0.0	200.4	-0.51	0.27	1.94	0.42	195.14	111.66
126	12	-0.38	0.99	-2.26e-04	0.0	0.0	0.04	1.38e-03	4.54e-03	-8.07e-04	0.08	-0.65
		-0.65	0.08	-1.53e-04	0.0	200.4	0.04	1.38e-03	4.54e-03	-8.07e-04	0.99	-0.38
126	13	873.89	895.62	-2.86	-200.39	0.0	2.54	106.13	-8.97	-2.12	895.62	-4739.84
		-4739.84	-901.47	0.01	0.0	200.4	2.54	-94.26	-8.97	-2.12	-901.47	-3551.14
127	1	585.68	162.57	-0.07	10.55	0.0	20.37	-6.54	1.60	0.13	-158.58	585.68
		179.92	-158.58	-2.15e-03	0.0	200.4	22.61	4.01	1.60	0.13	162.57	332.81
127	2	1245.13	440.94	-0.10	40.43	0.0	22.89	-22.12	4.38	0.30	-436.08	1245.13
		33.87	-436.08	-5.79e-03	0.0	200.4	31.50	18.31	4.38	0.30	440.94	863.80
127	3	2435.74	862.58	-0.20	79.08	0.0	44.79	-43.26	8.56	0.58	-853.07	2435.74
		66.26	-853.07	-0.01	0.0	200.4	61.61	35.82	8.56	0.58	862.58	1689.77
127	4	-6.87	131.60	-0.18	0.0	0.0	-101.71	0.11	-1.37	0.95	131.60	-6.87
		-29.03	-144.22	0.17	0.0	200.4	-101.71	0.11	-1.37	0.95	-144.22	-29.03
127	5	-6.87	131.60	-0.18	0.0	0.0	-101.71	0.11	-1.37	0.95	131.60	-6.87
		-29.03	-144.22	0.17	0.0	200.4	-101.71	0.11	-1.37	0.95	-144.22	-29.03
127	6	242.30	319.73	-0.91	0.0	0.0	-20.63	0.61	3.19	-1.55	-319.62	-186.19
		-186.19	-319.62	-0.11	0.0	200.4	-20.63	0.61	3.19	-1.55	319.73	242.30
127	7	299.43	447.63	-1.23	0.0	0.0	17.79	0.83	4.46	1.39	-446.77	-213.94
		-213.94	-446.77	0.11	0.0	200.4	17.79	0.83	4.46	1.39	447.63	299.43
127	8	-2.19	42.15	-0.06	0.0	0.0	-32.34	0.04	-0.44	0.30	42.15	-2.19
		-9.23	-46.13	0.05	0.0	200.4	-32.34	0.04	-0.44	0.30	-46.13	-9.23
127	9	-2.19	42.15	-0.06	0.0	0.0	-32.34	0.04	-0.44	0.30	42.15	-2.19
		-9.23	-46.13	0.05	0.0	200.4	-32.34	0.04	-0.44	0.30	-46.13	-9.23
127	10	85.88	115.26	-0.29	0.0	0.0	-6.58	0.19	1.15	-0.50	-115.25	-70.03
		-70.03	-115.25	-0.03	0.0	200.4	-6.58	0.19	1.15	-0.50	115.26	85.88
127	11	105.12	160.22	-0.39	0.0	0.0	5.68	0.26	1.60	0.45	-160.00	-80.45
		-80.45	-160.00	0.03	0.0	200.4	5.68	0.26	1.60	0.45	160.22	105.12
127	12	-0.27	-0.60	-2.52e-04	0.0	0.0	-1.34	-3.47e-04	1.76e-03	-2.09e-04	-0.95	-0.27
		-0.34	-0.95	-1.11e-04	0.0	200.4	-1.34	-3.47e-04	1.76e-03	-2.09e-04	-0.60	-0.34
127	13	131.73	269.36	-2.97	-100.19	0.0	-69.37	56.89	-2.75	-1.63	269.36	-3104.66
		-3104.66	-281.17	4.53e-03	0.0	200.4	-69.37	-43.30	-2.75	-1.63	-281.17	-1743.04
128	1	581.37	167.42	-0.07	10.55	0.0	21.22	-6.52	-1.69	-0.02	167.42	581.37
		177.11	-171.40	2.51e-03	0.0	200.4	23.46	4.02	-1.69	-0.02	-171.40	330.89
128	2	1232.73	459.31	-0.10	40.43	0.0	24.23	-22.07	-4.61	-0.12	459.31	1232.73
		26.16	-464.09	6.50e-03	0.0	200.4	32.84	18.35	-4.61	-0.12	-464.09	859.73
128	3	2411.48	898.51	-0.19	79.08	0.0	47.41	-43.18	-9.01	-0.24	898.51	2411.48
		51.16	-907.85	0.01	0.0	200.4	64.23	35.90	-9.01	-0.24	-907.85	1681.81
128	4	31.25	165.55	-0.16	0.0	0.0	104.85	0.12	-1.72	0.95	165.55	8.19
		8.19	-179.90	0.17	0.0	200.4	104.85	0.12	-1.72	0.95	-179.90	31.25
128	5	31.25	165.55	-0.16	0.0	0.0	104.85	0.12	-1.72	0.95	165.55	8.19
		8.19	-179.90	0.17	0.0	200.4	104.85	0.12	-1.72	0.95	-179.90	31.25
128	6	243.07	444.98	-0.93	0.0	0.0	20.42	0.62	-4.45	-1.60	444.98	-185.05
		-185.05	-445.88	-0.11	0.0	200.4	20.42	0.62	-4.45	-1.60	-445.88	243.07
128	7	295.32	350.63	-1.22	0.0	0.0	-20.44	0.82	-3.49	1.40	350.63	-210.80
		-210.80	-349.37	0.11	0.0	200.4	-20.44	0.82	-3.49	1.40	-349.37	295.32
128	8	9.94	52.71	-0.05	0.0	0.0	33.34	0.04	-0.55	0.30	52.71	2.61
		2.61	-57.27	0.05	0.0	200.4	33.34	0.04	-0.55	0.30	-57.27	9.94
128	9	9.94	52.71	-0.05	0.0	0.0	33.34	0.04	-0.55	0.30	52.71	2.61
		2.61	-57.27	0.05	0.0	200.4	33.34	0.04	-0.55	0.30	-57.27	9.94
128	10	86.00	149.09	-0.30	0.0	0.0	6.50	0.20	-1.49	-0.52	149.09	-69.59
		-69.59	-149.35	-0.03	0.0	200.4	6.50	0.20	-1.49	-0.52	-149.35	86.00
128	11	103.69	122.49	-0.39	0.0	0.0	-6.54	0.26	-1.22	0.46	122.49	-79.27
		-79.27	-122.13	0.03	0.0	200.4	-6.54	0.26	-1.22	0.46	-122.13	103.69
128	12	0.41	-0.67	-2.54e-04	0.0	0.0	1.39	9.29e-04	1.16e-03	2.26e-05	-0.90	0.22
		0.22	-0.90	-1.00e-04	0.0	200.4	1.39	9.29e-04	1.16e-03	2.26e-05	-0.67	0.41
128	13	152.59	297.70	-2.99	-100.19	0.0	-62.38	56.79	-2.90	-0.27	297.70	-3072.46
		-3072.46	-283.81	-4.21e-03	0.0	200.4	-62.38	-43.40	-2.90	-0.27	-283.81	-1731.01
129	1	528.34	188.46	-0.07	10.55	0.0	-1.73	-6.24	-1.90	-0.09	188.46	528.34
		159.44	-192.10	2.78e-03	0.0	200.4	0.51	4.31	-1.90	-0.09	-192.10	334.92
129	2	1842.60	494.80	-0.11	80.85	0.0	-11.88	-41.87	-4.99	-0.28	494.80	1842.60
		-327.25	-504.68	7.18e-03	0.0	200.4	5.32	38.98	-4.99	-0.28	-504.68	1553.22
129	3	3604.52	967.94	-0.22	158.16	0.0	-23.24	-81.90	-9.76	-0.56	967.94	3604.52
		-640.18	-987.27	0.01	0.0	200.4	10.42	76.25	-9.76	-0.56	-987.27	3038.43
129	4	23.23	528.40	-0.11	0.0	0.0	-1.77	0.08	-5.02	0.97	528.40	7.89
		7.89	-477.75	0.17	0.0	200.4	-1.77	0.08	-5.02	0.97	-477.75	23.23
129	5	23.23	528.40	-0.11	0.0	0.0	-1.77	0.08	-5.02	0.97	528.40	7.89
		7.89	-477.75	0.17	0.0	200.4	-1.77	0.08	-5.02	0.97	-477.75	23.23
129	6	255.54	678.57	-0.98	0.0	0.0	-1.81	0.65	-6.77	-1.65	678.57	-154.55
		-154.55	-678.63	-0.11	0.0	200.4	-1.81	0.65	-6.77	-1.65	-678.63	255.54
129	7	292.98	398.52	-1.18	0.0	0.0	-1.15	0.79	-3.99	1.41	398.52	-169.93

		-169.93	-401.95	0.11	0.0	200.4	-1.15	0.79	-3.99	1.41	-401.95	292.98
129	8	7.39	168.07	-0.04	0.0	0.0	-0.56	0.03	-1.60	0.31	168.07	2.51
		2.51	-151.97	0.05	0.0	200.4	-0.56	0.03	-1.60	0.31	-151.97	7.39
129	9	7.39	168.07	-0.04	0.0	0.0	-0.56	0.03	-1.60	0.31	168.07	2.51
		2.51	-151.97	0.05	0.0	200.4	-0.56	0.03	-1.60	0.31	-151.97	7.39
129	10	91.25	222.71	-0.31	0.0	0.0	-0.64	0.21	-2.22	-0.55	222.71	-57.94
		-57.94	-222.92	-0.03	0.0	200.4	-0.64	0.21	-2.22	-0.55	-222.92	91.25
129	11	104.19	136.33	-0.38	0.0	0.0	-0.40	0.26	-1.37	0.46	136.33	-63.70
		-63.70	-137.63	0.03	0.0	200.4	-0.40	0.26	-1.37	0.46	-137.63	104.19
129	12	0.94	0.52	-2.61e-04	0.0	0.0	-0.01	1.02e-03	1.34e-03	-1.80e-04	0.25	0.74
		0.74	0.25	-8.35e-05	0.0	200.4	-0.01	1.02e-03	1.34e-03	-1.80e-04	0.52	0.94
129	13	1002.33	310.17	-2.96	-200.39	0.0	1.35	105.51	-3.11	0.40	310.17	-4549.71
		-4549.71	-312.35	4.65e-03	0.0	200.4	1.35	-94.88	-3.11	0.40	-312.35	-3484.39
130	1	531.28	192.26	-0.07	10.55	0.0	-1.74	-6.24	1.90	0.08	-188.65	531.28
		162.03	-188.65	-2.52e-03	0.0	200.4	0.50	4.31	1.90	0.08	192.26	337.23
130	2	1851.72	510.25	-0.11	80.85	0.0	-11.90	-41.88	5.04	0.27	-500.33	1851.72
		-319.63	-500.33	-6.83e-03	0.0	200.4	5.30	38.97	5.04	0.27	510.25	1559.34
130	3	3622.36	998.16	-0.22	158.16	0.0	-23.29	-81.93	9.87	0.52	-978.75	3622.36
		-625.27	-978.75	-0.01	0.0	200.4	10.36	76.23	9.87	0.52	998.16	3050.40
130	4	-2.70	535.03	-0.06	0.0	0.0	1.81	-0.03	-5.10	1.00	535.03	-2.70
		-9.05	-486.67	0.17	0.0	200.4	1.81	-0.03	-5.10	1.00	-486.67	-9.05
130	5	-2.70	535.03	-0.06	0.0	0.0	1.81	-0.03	-5.10	1.00	535.03	-2.70
		-9.05	-486.67	0.17	0.0	200.4	1.81	-0.03	-5.10	1.00	-486.67	-9.05
130	6	260.20	629.18	-1.03	0.0	0.0	-1.43	0.69	6.27	-1.56	-626.54	-153.92
		-153.92	-626.54	-0.11	0.0	200.4	-1.43	0.69	6.27	-1.56	629.18	260.20
130	7	282.69	595.57	-1.14	0.0	0.0	-1.53	0.77	5.94	1.49	-594.36	-159.58
		-159.58	-594.36	0.11	0.0	200.4	-1.53	0.77	5.94	1.49	595.57	282.69
130	8	-0.86	170.15	-0.02	0.0	0.0	0.58	-0.01	-1.62	0.32	170.15	-0.86
		-2.88	-154.78	0.05	0.0	200.4	0.58	-0.01	-1.62	0.32	-154.78	-2.88
130	9	-0.86	170.15	-0.02	0.0	0.0	0.58	-0.01	-1.62	0.32	170.15	-0.86
		-2.88	-154.78	0.05	0.0	200.4	0.58	-0.01	-1.62	0.32	-154.78	-2.88
130	10	92.63	228.00	-0.33	0.0	0.0	-0.53	0.23	2.27	-0.51	-226.57	-57.70
		-57.70	-226.57	-0.03	0.0	200.4	-0.53	0.23	2.27	-0.51	228.00	92.63
130	11	100.50	206.45	-0.37	0.0	0.0	-0.51	0.25	2.06	0.48	-205.51	-59.76
		-59.76	-205.51	0.03	0.0	200.4	-0.51	0.25	2.06	0.48	206.45	100.50
130	12	0.42	0.19	-2.76e-04	0.0	0.0	0.01	1.75e-04	-1.09e-03	-6.33e-04	0.19	0.39
		0.39	-0.03	-3.77e-05	0.0	200.4	0.01	1.75e-04	-1.09e-03	-6.33e-04	-0.03	0.42
130	13	985.00	331.15	-2.98	-200.39	0.0	2.06	105.56	-3.32	-1.05	331.15	-4571.97
		-4571.97	-333.29	4.88e-03	0.0	200.4	2.06	-94.83	-3.32	-1.05	-333.29	-3496.80
131	1	584.44	174.47	-0.07	10.55	0.0	20.69	-6.52	1.72	0.06	-170.44	584.44
		180.56	-170.44	-2.30e-03	0.0	200.4	22.94	4.03	1.72	0.06	174.47	334.58
131	2	1243.94	473.29	-0.10	40.43	0.0	23.90	-22.08	4.70	0.19	-468.31	1243.94
		36.93	-468.31	-6.21e-03	0.0	200.4	32.50	18.35	4.70	0.19	473.29	870.17
131	3	2433.41	925.85	-0.19	79.08	0.0	46.76	-43.19	9.19	0.37	-916.12	2433.41
		72.25	-916.12	-0.01	0.0	200.4	63.58	35.89	9.19	0.37	925.85	1702.23
131	4	-2.14	183.15	-9.69e-03	0.0	0.0	-101.72	-0.01	-1.89	1.02	183.15	-2.14
		-4.81	-195.43	0.17	0.0	200.4	-101.72	-0.01	-1.89	1.02	-195.43	-4.81
131	5	-2.14	183.15	-9.69e-03	0.0	0.0	-101.72	-0.01	-1.89	1.02	183.15	-2.14
		-4.81	-195.43	0.17	0.0	200.4	-101.72	-0.01	-1.89	1.02	-195.43	-4.81
131	6	259.71	386.03	-1.08	0.0	0.0	-20.59	0.72	3.85	-1.54	-386.17	-182.62
		-182.62	-386.17	-0.11	0.0	200.4	-20.59	0.72	3.85	-1.54	386.03	259.71
131	7	263.96	442.95	-1.10	0.0	0.0	19.02	0.73	4.41	1.58	-441.44	-183.17
		-183.17	-441.44	0.11	0.0	200.4	19.02	0.73	4.41	1.58	442.95	263.96
131	8	-0.68	58.26	-3.08e-03	0.0	0.0	-32.34	-4.36e-03	-0.60	0.33	58.26	-0.68
		-1.53	-62.16	0.05	0.0	200.4	-32.34	-4.36e-03	-0.60	0.33	-62.16	-1.53
131	9	-0.68	58.26	-3.08e-03	0.0	0.0	-32.34	-4.36e-03	-0.60	0.33	58.26	-0.68
		-1.53	-62.16	0.05	0.0	200.4	-32.34	-4.36e-03	-0.60	0.33	-62.16	-1.53
131	10	91.05	143.40	-0.34	0.0	0.0	-6.60	0.23	1.43	-0.51	-143.47	-68.63
		-68.63	-143.47	-0.03	0.0	200.4	-6.60	0.23	1.43	-0.51	143.40	91.05
131	11	92.53	154.05	-0.35	0.0	0.0	6.06	0.23	1.54	0.52	-153.62	-68.82
		-68.82	-153.62	0.03	0.0	200.4	6.06	0.23	1.54	0.52	154.05	92.53
131	12	-0.01	0.09	-3.02e-04	0.0	0.0	-9.51e-03	2.12e-04	-8.08e-04	-2.23e-04	0.09	-0.05
		-0.05	-0.08	-6.64e-06	0.0	200.4	-9.51e-03	2.12e-04	-8.08e-04	-2.23e-04	-0.08	-0.01
131	13	131.40	-1.89	-3.04	-100.19	0.0	-66.66	56.83	-0.05	-0.62	-1.89	-3098.37
		-3098.37	-11.23	9.52e-04	0.0	200.4	-66.66	-43.36	-0.05	-0.62	-11.23	-1748.52
132	1	584.68	167.94	-0.07	10.55	0.0	21.46	-6.52	-1.70	-0.06	167.94	584.68
		180.67	-171.96	2.52e-03	0.0	200.4	23.70	4.03	-1.70	-0.06	-171.96	334.60
132	2	1244.55	462.01	-0.10	40.43	0.0	24.91	-22.08	-4.64	-0.19	462.01	1244.55
		37.14	-466.93	6.56e-03	0.0	200.4	33.51	18.34	-4.64	-0.19	-466.93	870.07
132	3	2434.59	903.79	-0.19	79.08	0.0	48.73	-43.20	-9.07	-0.36	903.79	2434.59
		72.66	-913.41	0.01	0.0	200.4	65.56	35.88	-9.07	-0.36	-913.41	1702.05
132	4	4.70	180.83	9.46e-03	0.0	0.0	104.84	0.01	-1.86	1.02	180.83	2.08
		2.08	-192.79	0.17	0.0	200.4	104.84	0.01	-1.86	1.02	-192.79	4.70
132	5	4.70	180.83	9.46e-03	0.0	0.0	104.84	0.01	-1.86	1.02	180.83	2.08
		2.08	-192.79	0.17	0.0	200.4	104.84	0.01	-1.86	1.02	-192.79	4.70
132	6	263.97	435.90	-1.10	0.0	0.0	19.58	0.74	-4.36	-1.58	435.90	-183.25

		-183.25	-437.30	-0.11	0.0	200.4	19.58	0.74	-4.36	-1.58	-437.30	263.97
132	7	259.58	380.57	-1.08	0.0	0.0	-21.33	0.72	-3.80	1.55	380.57	-182.84
		-182.84	-380.38	0.11	0.0	200.4	-21.33	0.72	-3.80	1.55	-380.38	259.58
132	8	1.49	57.52	3.01e-03	0.0	0.0	33.33	4.26e-03	-0.59	0.33	57.52	0.66
		0.66	-61.32	0.05	0.0	200.4	33.33	4.26e-03	-0.59	0.33	-61.32	1.49
132	9	1.49	57.52	3.01e-03	0.0	0.0	33.33	4.26e-03	-0.59	0.33	57.52	0.66
		0.66	-61.32	0.05	0.0	200.4	33.33	4.26e-03	-0.59	0.33	-61.32	1.49
132	10	92.52	151.68	-0.35	0.0	0.0	6.23	0.23	-1.52	-0.52	151.68	-68.86
		-68.86	-152.08	-0.03	0.0	200.4	6.23	0.23	-1.52	-0.52	-152.08	92.52
132	11	90.99	141.37	-0.34	0.0	0.0	-6.83	0.23	-1.41	0.51	141.37	-68.72
		-68.72	-141.28	0.03	0.0	200.4	-6.83	0.23	-1.41	0.51	-141.28	90.99
132	12	-0.01	0.08	-3.02e-04	0.0	0.0	-0.01	2.13e-04	8.63e-04	2.17e-04	-0.09	-0.06
		-0.06	-0.09	5.61e-06	0.0	200.4	-0.01	2.13e-04	8.63e-04	2.17e-04	0.08	-0.01
132	13	130.93	8.73	-3.04	-100.19	0.0	-69.14	56.84	0.02	0.61	4.49	-3100.05
		-3100.05	4.49	-4.94e-04	0.0	200.4	-69.14	-43.35	0.02	0.61	8.73	-1748.05
133	1	531.60	191.39	-0.07	10.55	0.0	-1.74	-6.24	-1.93	-0.08	191.39	531.60
		162.15	-195.08	2.82e-03	0.0	200.4	0.50	4.30	-1.93	-0.08	-195.08	337.21
133	2	1852.91	505.89	-0.11	80.85	0.0	-11.91	-41.89	-5.10	-0.27	505.89	1852.91
		-319.17	-515.95	7.35e-03	0.0	200.4	5.29	38.96	-5.10	-0.27	-515.95	1559.09
133	3	3624.68	989.63	-0.22	158.16	0.0	-23.30	-81.95	-9.98	-0.53	989.63	3624.68
		-624.36	-1009.31	0.01	0.0	200.4	10.35	76.21	-9.98	-0.53	-1009.31	3049.91
133	4	9.05	534.33	0.06	0.0	0.0	-1.74	0.03	-5.09	1.00	534.33	2.72
		2.72	-486.06	0.17	0.0	200.4	-1.74	0.03	-5.09	1.00	-486.06	9.05
133	5	9.05	534.33	0.06	0.0	0.0	-1.74	0.03	-5.09	1.00	534.33	2.72
		2.72	-486.06	0.17	0.0	200.4	-1.74	0.03	-5.09	1.00	-486.06	9.05
133	6	282.89	596.66	-1.14	0.0	0.0	-1.53	0.77	-5.96	-1.48	596.66	-159.12
		-159.12	-597.98	-0.11	0.0	200.4	-1.53	0.77	-5.96	-1.48	-597.98	282.89
133	7	258.96	626.60	-1.03	0.0	0.0	-1.42	0.68	-6.27	1.56	626.60	-154.87
		-154.87	-629.30	0.11	0.0	200.4	-1.42	0.68	-6.27	1.56	-629.30	258.96
133	8	2.88	169.93	0.02	0.0	0.0	-0.55	0.01	-1.62	0.32	169.93	0.87
		0.87	-154.59	0.05	0.0	200.4	-0.55	0.01	-1.62	0.32	-154.59	2.88
133	9	2.88	169.93	0.02	0.0	0.0	-0.55	0.01	-1.62	0.32	169.93	0.87
		0.87	-154.59	0.05	0.0	200.4	-0.55	0.01	-1.62	0.32	-154.59	2.88
133	10	100.56	206.33	-0.37	0.0	0.0	-0.52	0.25	-2.06	-0.48	206.33	-59.59
		-59.59	-207.31	-0.03	0.0	200.4	-0.52	0.25	-2.06	-0.48	-207.31	100.56
133	11	92.13	226.67	-0.33	0.0	0.0	-0.53	0.22	-2.27	0.51	226.67	-58.07
		-58.07	-228.13	0.03	0.0	200.4	-0.53	0.22	-2.27	0.51	-228.13	92.13
133	12	0.42	0.03	-2.76e-04	0.0	0.0	0.01	1.74e-04	1.14e-03	6.34e-04	-0.20	0.38
		0.38	-0.20	3.67e-05	0.0	200.4	0.01	1.74e-04	1.14e-03	6.34e-04	0.03	0.42
133	13	983.85	332.86	-2.98	-200.39	0.0	2.04	105.58	3.31	1.06	-330.65	-4575.10
		-4575.10	-330.65	4.41e-03	0.0	200.4	2.04	-94.81	3.31	1.06	332.86	-3495.96
134	1	528.06	189.28	-0.07	10.55	0.0	-1.73	-6.24	1.87	0.08	-185.72	528.06
		159.35	-185.72	-2.48e-03	0.0	200.4	0.51	4.31	1.87	0.08	189.28	334.97
134	2	1841.54	498.97	-0.11	80.85	0.0	-11.87	-41.86	4.93	0.28	-489.23	1841.54
		-327.62	-489.23	-6.65e-03	0.0	200.4	5.33	38.99	4.93	0.28	498.97	1553.55
134	3	3602.45	976.10	-0.22	158.16	0.0	-23.22	-81.89	9.65	0.55	-957.03	3602.45
		-640.89	-957.03	-0.01	0.0	200.4	10.43	76.27	9.65	0.55	976.10	3039.08
134	4	-7.85	529.07	0.11	0.0	0.0	1.84	-0.08	-5.03	0.97	529.07	-7.85
		-23.14	-478.32	0.17	0.0	200.4	1.84	-0.08	-5.03	0.97	-478.32	-23.14
134	5	-7.85	529.07	0.11	0.0	0.0	1.84	-0.08	-5.03	0.97	529.07	-7.85
		-23.14	-478.32	0.17	0.0	200.4	1.84	-0.08	-5.03	0.97	-478.32	-23.14
134	6	293.33	399.93	-1.18	0.0	0.0	-1.14	0.79	3.97	-1.41	-396.60	-169.08
		-169.08	-396.60	-0.11	0.0	200.4	-1.14	0.79	3.97	-1.41	399.93	293.33
134	7	254.24	676.50	-0.98	0.0	0.0	-1.81	0.65	6.75	1.65	-676.54	-155.25
		-155.25	-676.54	0.11	0.0	200.4	-1.81	0.65	6.75	1.65	676.50	254.24
134	8	-2.50	168.28	0.03	0.0	0.0	0.58	-0.03	-1.60	0.31	168.28	-2.50
		-7.36	-152.15	0.05	0.0	200.4	0.58	-0.03	-1.60	0.31	-152.15	-7.36
134	9	-2.50	168.28	0.03	0.0	0.0	0.58	-0.03	-1.60	0.31	168.28	-2.50
		-7.36	-152.15	0.05	0.0	200.4	0.58	-0.03	-1.60	0.31	-152.15	-7.36
134	10	104.33	136.92	-0.38	0.0	0.0	-0.40	0.26	1.36	-0.46	-135.64	-63.38
		-63.38	-135.64	-0.03	0.0	200.4	-0.40	0.26	1.36	-0.46	136.92	104.33
134	11	90.74	222.26	-0.31	0.0	0.0	-0.64	0.21	2.22	0.55	-222.07	-58.21
		-58.21	-222.07	0.03	0.0	200.4	-0.64	0.21	2.22	0.55	222.26	90.74
134	12	0.94	-0.25	-2.61e-04	0.0	0.0	-0.01	1.02e-03	-1.29e-03	1.84e-04	-0.25	0.74
		0.74	-0.51	8.27e-05	0.0	200.4	-0.01	1.02e-03	-1.29e-03	1.84e-04	-0.51	0.94
134	13	1003.21	312.38	-2.96	-200.39	0.0	1.37	105.49	3.11	-0.39	-310.15	-4546.89
		-4546.89	-310.15	4.13e-03	0.0	200.4	1.37	-94.90	3.11	-0.39	312.38	-3485.46
135	1	581.08	173.88	-0.07	10.55	0.0	20.46	-6.52	1.72	0.02	-169.89	581.08
		176.98	-169.89	-2.29e-03	0.0	200.4	22.71	4.03	1.72	0.02	173.88	330.87
135	2	1232.02	470.34	-0.10	40.43	0.0	23.25	-22.07	4.67	0.13	-465.51	1232.02
		25.89	-465.51	-6.14e-03	0.0	200.4	31.85	18.36	4.67	0.13	470.34	859.81
135	3	2410.09	920.09	-0.19	79.08	0.0	45.49	-43.17	9.14	0.25	-910.64	2410.09
		50.65	-910.64	-0.01	0.0	200.4	62.31	35.91	9.14	0.25	920.09	1681.97
135	4	-8.24	167.55	0.16	0.0	0.0	-101.74	-0.12	-1.74	0.95	167.55	-8.24
		-31.29	-182.28	0.17	0.0	200.4	-101.74	-0.12	-1.74	0.95	-182.28	-31.29
135	5	-8.24	167.55	0.16	0.0	0.0	-101.74	-0.12	-1.74	0.95	167.55	-8.24

		-31.29	-182.28	0.17	0.0	200.4	-101.74	-0.12	-1.74	0.95	-182.28	-31.29
135	6	295.38	353.57	-1.22	0.0	0.0	-19.70	0.82	3.53	-1.40	-354.79	-210.48
		-210.48	-354.79	-0.11	0.0	200.4	-19.70	0.82	3.53	-1.40	353.57	295.38
135	7	242.75	451.27	-0.93	0.0	0.0	19.82	0.62	4.50	1.60	-450.24	-184.63
		-184.63	-450.24	0.11	0.0	200.4	19.82	0.62	4.50	1.60	451.27	242.75
135	8	-2.62	53.35	0.05	0.0	0.0	-32.35	-0.04	-0.56	0.30	53.35	-2.62
		-9.95	-58.03	0.05	0.0	200.4	-32.35	-0.04	-0.56	0.30	-58.03	-9.95
135	9	-2.62	53.35	0.05	0.0	0.0	-32.35	-0.04	-0.56	0.30	53.35	-2.62
		-9.95	-58.03	0.05	0.0	200.4	-32.35	-0.04	-0.56	0.30	-58.03	-9.95
135	10	103.72	123.59	-0.39	0.0	0.0	-6.31	0.26	1.24	-0.46	-123.94	-79.15
		-79.15	-123.94	-0.03	0.0	200.4	-6.31	0.26	1.24	-0.46	123.59	103.72
135	11	85.88	151.16	-0.30	0.0	0.0	6.31	0.20	1.51	0.52	-150.85	-69.42
		-69.42	-150.85	0.03	0.0	200.4	6.31	0.20	1.51	0.52	151.16	85.88
135	12	0.42	0.90	-2.54e-04	0.0	0.0	1.33	9.45e-04	-1.15e-03	-2.46e-05	0.90	0.23
		0.23	0.67	9.91e-05	0.0	200.4	1.33	9.45e-04	-1.15e-03	-2.46e-05	0.67	0.42
135	13	153.16	285.67	-2.98	-100.19	0.0	-60.11	56.78	2.92	0.26	-299.40	-3070.50
		-3070.50	-299.40	4.44e-03	0.0	200.4	-60.11	-43.41	2.92	0.26	285.67	-1731.50
136	1	585.84	156.29	-0.07	10.55	0.0	21.12	-6.54	-1.58	-0.13	156.29	585.84
		179.96	-160.27	2.37e-03	0.0	200.4	23.37	4.01	-1.58	-0.13	-160.27	332.78
136	2	1245.47	430.34	-0.10	40.43	0.0	23.87	-22.12	-4.32	-0.29	430.34	1245.47
		33.92	-435.15	6.16e-03	0.0	200.4	32.47	18.31	-4.32	-0.29	-435.15	863.61
136	3	2436.41	841.83	-0.19	79.08	0.0	46.69	-43.27	-8.45	-0.57	841.83	2436.41
		66.35	-851.24	0.01	0.0	200.4	63.51	35.81	-8.45	-0.57	-851.24	1689.41
136	4	29.06	130.05	0.18	0.0	0.0	104.84	-0.11	-1.36	0.95	130.05	6.87
		6.87	-142.36	0.17	0.0	200.4	104.84	-0.11	-1.36	0.95	-142.36	29.06
136	5	29.06	130.05	0.18	0.0	0.0	104.84	-0.11	-1.36	0.95	130.05	6.87
		6.87	-142.36	0.17	0.0	200.4	104.84	-0.11	-1.36	0.95	-142.36	29.06
136	6	299.63	440.54	-1.23	0.0	0.0	18.30	0.83	-4.40	-1.38	440.54	-214.01
		-214.01	-441.30	-0.11	0.0	200.4	18.30	0.83	-4.40	-1.38	-441.30	299.63
136	7	241.95	315.72	-0.91	0.0	0.0	-21.39	0.61	-3.15	1.56	315.72	-185.85
		-185.85	-315.78	0.11	0.0	200.4	-21.39	0.61	-3.15	1.56	-315.78	241.95
136	8	9.24	41.66	0.06	0.0	0.0	33.33	-0.04	-0.43	0.30	41.66	2.19
		2.19	-45.54	0.05	0.0	200.4	33.33	-0.04	-0.43	0.30	-45.54	9.24
136	9	9.24	41.66	0.06	0.0	0.0	33.33	-0.04	-0.43	0.30	41.66	2.19
		2.19	-45.54	0.05	0.0	200.4	33.33	-0.04	-0.43	0.30	-45.54	9.24
136	10	105.19	157.78	-0.39	0.0	0.0	5.84	0.26	-1.58	-0.45	157.78	-80.48
		-80.48	-157.96	-0.03	0.0	200.4	5.84	0.26	-1.58	-0.45	-157.96	105.19
136	11	85.74	113.89	-0.29	0.0	0.0	-6.82	0.19	-1.14	0.50	113.89	-69.90
		-69.90	-113.88	0.03	0.0	200.4	-6.82	0.19	-1.14	0.50	-113.88	85.74
136	12	-0.27	0.94	-2.52e-04	0.0	0.0	-1.39	-3.34e-04	-1.62e-03	2.05e-04	0.94	-0.27
		-0.33	0.62	1.10e-04	0.0	200.4	-1.39	-3.34e-04	-1.62e-03	2.05e-04	0.62	-0.33
136	13	131.64	275.98	-2.97	-100.19	0.0	-71.92	56.90	2.70	1.62	-264.13	-3105.66
		-3105.66	-264.13	-3.83e-03	0.0	200.4	-71.92	-43.29	2.70	1.62	275.98	-1742.43
137	1	554.53	164.23	-0.08	10.55	0.0	-1.70	-6.32	-1.66	-0.16	164.23	554.53
		176.34	-167.67	2.45e-03	0.0	200.4	0.54	4.23	-1.66	-0.16	-167.67	345.77
137	2	1916.51	431.57	-0.12	80.85	0.0	-11.81	-42.13	-4.35	-0.37	431.57	1916.51
		-279.29	-440.96	6.36e-03	0.0	200.4	5.39	38.72	-4.35	-0.37	-440.96	1575.24
137	3	3749.11	844.25	-0.24	158.16	0.0	-23.10	-82.41	-8.52	-0.72	844.25	3749.11
		-546.34	-862.61	0.01	0.0	200.4	10.55	75.75	-8.52	-0.72	-862.61	3081.51
137	4	33.81	441.25	0.22	0.0	0.0	-1.66	-0.14	-4.14	0.91	441.25	8.43
		8.43	-387.76	0.17	0.0	200.4	-1.66	-0.14	-4.14	0.91	-387.76	33.81
137	5	33.81	441.25	0.22	0.0	0.0	-1.66	-0.14	-4.14	0.91	441.25	8.43
		8.43	-387.76	0.17	0.0	200.4	-1.66	-0.14	-4.14	0.91	-387.76	33.81
137	6	315.19	564.42	-1.27	0.0	0.0	-1.54	0.84	-5.66	-1.29	564.42	-187.50
		-187.50	-569.66	-0.11	0.0	200.4	-1.54	0.84	-5.66	-1.29	-569.66	315.19
137	7	249.48	556.22	-0.87	0.0	0.0	-1.90	0.60	5.55	1.49	-556.11	-159.47
		-159.47	-556.11	0.11	0.0	200.4	-1.90	0.60	5.55	1.49	556.22	249.48
137	8	10.75	140.78	0.07	0.0	0.0	-0.53	-0.04	-1.32	0.29	140.78	2.68
		2.68	-123.83	0.05	0.0	200.4	-0.53	-0.04	-1.32	0.29	-123.83	10.75
137	9	10.75	140.78	0.07	0.0	0.0	-0.53	-0.04	-1.32	0.29	140.78	2.68
		2.68	-123.83	0.05	0.0	200.4	-0.53	-0.04	-1.32	0.29	-123.83	10.75
137	10	111.99	193.20	-0.40	0.0	0.0	-0.51	0.28	-1.94	-0.42	193.20	-70.33
		-70.33	-195.33	-0.03	0.0	200.4	-0.51	0.28	-1.94	-0.42	-195.33	111.99
137	11	89.75	186.56	-0.28	0.0	0.0	-0.71	0.20	1.86	0.48	-186.21	-59.87
		-59.87	-186.21	0.03	0.0	200.4	-0.71	0.20	1.86	0.48	186.56	89.75
137	12	-0.38	-0.08	-2.26e-04	0.0	0.0	0.04	1.35e-03	-4.51e-03	8.05e-04	-0.08	-0.65
		-0.65	-0.99	1.52e-04	0.0	200.4	0.04	1.35e-03	-4.51e-03	8.05e-04	-0.99	-0.38
137	13	873.41	902.91	-2.85	-200.39	0.0	2.52	106.14	8.98	2.13	-896.96	-4741.92
		-4741.92	-896.96	-0.01	0.0	200.4	2.52	-94.25	8.98	2.13	902.91	-3550.02
138	1	570.90	216.86	-0.08	10.55	0.0	-1.80	-6.36	2.15	0.09	-213.06	570.90
		187.09	-213.06	-2.85e-03	0.0	200.4	0.45	4.19	2.15	0.09	216.86	353.14
138	2	1959.33	574.36	-0.12	80.85	0.0	-12.04	-42.26	5.68	0.33	-563.98	1959.33
		-250.16	-563.98	-7.65e-03	0.0	200.4	5.16	38.59	5.68	0.33	574.36	1590.67
138	3	3832.87	1123.57	-0.24	158.16	0.0	-23.56	-82.68	11.11	0.65	-1103.27	3832.87
		-489.37	-1103.27	-0.01	0.0	200.4	10.09	75.48	11.11	0.65	1123.57	3111.69
138	4	9.34	476.41	0.26	0.0	0.0	1.85	-0.19	-4.49	0.87	476.41	9.34

		-47.52	-422.86	0.17	0.0	200.4	1.85	-0.19	-4.49	0.87	-422.86	-47.52
138	5	9.34	476.41	0.26	0.0	0.0	1.85	-0.19	-4.49	0.87	476.41	9.34
		-47.52	-422.86	0.17	0.0	200.4	1.85	-0.19	-4.49	0.87	-422.86	-47.52
138	6	314.18	823.16	-1.29	0.0	0.0	-1.61	0.87	8.14	-1.18	-808.19	-183.51
		-183.51	-808.19	-0.11	0.0	200.4	-1.61	0.87	8.14	-1.18	823.16	314.18
138	7	241.00	839.86	-0.83	0.0	0.0	-2.21	0.57	8.36	1.47	-834.93	-151.53
		-151.53	-834.93	0.11	0.0	200.4	-2.21	0.57	8.36	1.47	839.86	241.00
138	8	2.97	151.98	0.08	0.0	0.0	0.59	-0.06	-1.43	0.28	151.98	2.97
		-15.11	-135.01	0.05	0.0	200.4	0.59	-0.06	-1.43	0.28	-135.01	-15.11
138	9	2.97	151.98	0.08	0.0	0.0	0.59	-0.06	-1.43	0.28	151.98	2.97
		-15.11	-135.01	0.05	0.0	200.4	0.59	-0.06	-1.43	0.28	-135.01	-15.11
138	10	111.37	277.90	-0.41	0.0	0.0	-0.53	0.28	2.75	-0.39	-272.94	-68.87
		-68.87	-272.94	-0.03	0.0	200.4	-0.53	0.28	2.75	-0.39	277.90	111.37
138	11	86.75	284.17	-0.26	0.0	0.0	-0.81	0.19	2.83	0.47	-282.15	-56.85
		-56.85	-282.15	0.03	0.0	200.4	-0.81	0.19	2.83	0.47	284.17	86.75
138	12	0.72	-0.15	-1.75e-04	0.0	0.0	-0.04	5.32e-03	-6.61e-03	1.19e-03	-0.15	-0.35
		-0.35	-1.48	1.96e-04	0.0	200.4	-0.04	5.32e-03	-6.61e-03	1.19e-03	-1.48	0.72
138	13	794.66	882.16	-2.79	-200.39	0.0	1.04	106.45	8.77	0.44	-875.90	-4851.56
		-4851.56	-875.90	-0.01	0.0	200.4	1.04	-93.94	8.77	0.44	882.16	-3597.88
139	1	615.27	182.50	-0.08	10.55	0.0	21.85	-6.60	1.80	0.15	-178.21	615.27
		200.95	-178.21	-2.41e-03	0.0	200.4	24.09	3.94	1.80	0.15	182.50	348.69
139	2	1312.52	494.89	-0.10	40.43	0.0	26.72	-22.27	4.91	0.37	-489.34	1312.52
		83.33	-489.34	-6.46e-03	0.0	200.4	35.33	18.15	4.91	0.37	494.89	899.31
139	3	2567.58	968.11	-0.20	79.08	0.0	52.28	-43.57	9.61	0.72	-957.25	2567.58
		163.01	-957.25	-0.01	0.0	200.4	69.10	35.51	9.61	0.72	968.11	1759.23
139	4	-10.34	161.48	0.30	0.0	0.0	-101.64	-0.22	-1.68	0.83	161.48	-10.34
		-54.68	-176.06	0.17	0.0	200.4	-101.64	-0.22	-1.68	0.83	-176.06	-54.68
139	5	-10.34	161.48	0.30	0.0	0.0	-101.64	-0.22	-1.68	0.83	161.48	-10.34
		-54.68	-176.06	0.17	0.0	200.4	-101.64	-0.22	-1.68	0.83	-176.06	-54.68
139	6	293.88	616.93	-1.30	0.0	0.0	-18.75	0.89	6.17	1.11	-619.97	-197.66
		-197.66	-619.97	-0.11	0.0	200.4	-18.75	0.89	6.17	1.11	616.93	293.88
139	7	211.57	530.42	-0.78	0.0	0.0	20.13	0.53	5.29	1.49	-530.40	-160.13
		-160.13	-530.40	0.11	0.0	200.4	20.13	0.53	5.29	1.49	530.42	211.57
139	8	-3.29	51.68	0.10	0.0	0.0	-32.32	-0.07	-0.54	0.26	51.68	-3.29
		-17.39	-56.28	0.05	0.0	200.4	-32.32	-0.07	-0.54	0.26	-56.28	-17.39
139	9	-3.29	51.68	0.10	0.0	0.0	-32.32	-0.07	-0.54	0.26	51.68	-3.29
		-17.39	-56.28	0.05	0.0	200.4	-32.32	-0.07	-0.54	0.26	-56.28	-17.39
139	10	102.25	213.19	-0.42	0.0	0.0	-6.07	0.28	2.13	0.37	-214.13	-74.36
		-74.36	-214.13	-0.03	0.0	200.4	-6.07	0.28	2.13	0.37	213.19	102.25
139	11	74.99	183.52	-0.25	0.0	0.0	6.42	0.17	1.83	0.49	-183.56	-60.18
		-60.18	-183.56	0.03	0.0	200.4	6.42	0.17	1.83	0.49	183.52	74.99
139	12	0.32	1.84	-8.62e-05	0.0	0.0	2.53	2.70e-03	-2.78e-03	2.83e-03	1.84	-0.22
		-0.22	1.28	1.91e-04	0.0	200.4	2.53	2.70e-03	-2.78e-03	2.83e-03	1.28	0.32
139	13	-11.31	577.27	-2.78	-100.19	0.0	-63.16	57.17	5.84	0.78	-593.98	-3278.63
		-3278.63	-593.98	8.35e-03	0.0	200.4	-63.16	-43.03	5.84	0.78	577.27	-1862.03
140	1	601.02	211.76	-0.07	10.55	0.0	22.95	-6.55	-2.13	0.05	211.76	601.02
		193.58	-215.92	3.12e-03	0.0	200.4	25.19	4.00	-2.13	0.05	-215.92	345.47
140	2	1262.36	570.56	-0.10	40.43	0.0	28.30	-22.04	-5.72	-2.76e-03	570.56	1262.36
		59.20	-575.80	8.06e-03	0.0	200.4	36.90	18.38	-5.72	-2.76e-03	-575.80	895.43
140	3	2469.45	1116.14	-0.19	79.08	0.0	55.36	-43.12	-11.19	-5.40e-03	1116.14	2469.45
		115.81	-1126.38	0.02	0.0	200.4	72.18	35.96	-11.19	-5.40e-03	-1126.38	1751.64
140	4	9.75	92.93	0.32	0.0	0.0	105.15	-0.21	-0.97	0.81	92.93	9.75
		-50.56	-102.54	0.17	0.0	200.4	105.15	-0.21	-0.97	0.81	-102.54	-50.56
140	5	9.75	92.93	0.32	0.0	0.0	105.15	-0.21	-0.97	0.81	92.93	9.75
		-50.56	-102.54	0.17	0.0	200.4	105.15	-0.21	-0.97	0.81	-102.54	-50.56
140	6	284.66	280.01	-1.30	0.0	0.0	16.37	0.88	-2.79	1.00	280.01	-186.53
		-186.53	-279.24	-0.11	0.0	200.4	16.37	0.88	-2.79	1.00	-279.24	284.66
140	7	200.80	232.60	-0.77	0.0	0.0	-21.18	0.51	-2.32	1.44	232.60	-150.96
		-150.96	-232.70	0.11	0.0	200.4	-21.18	0.51	-2.32	1.44	-232.70	200.80
140	8	3.10	30.03	0.10	0.0	0.0	33.43	-0.07	-0.31	0.26	30.03	3.10
		-16.08	-33.03	0.05	0.0	200.4	33.43	-0.07	-0.31	0.26	-33.03	-16.08
140	9	3.10	30.03	0.10	0.0	0.0	33.43	-0.07	-0.31	0.26	30.03	3.10
		-16.08	-33.03	0.05	0.0	200.4	33.43	-0.07	-0.31	0.26	-33.03	-16.08
140	10	98.72	97.37	-0.42	0.0	0.0	5.22	0.28	-0.97	0.33	97.37	-70.15
		-70.15	-97.15	-0.03	0.0	200.4	5.22	0.28	-0.97	0.33	-97.15	98.72
140	11	71.00	80.59	-0.24	0.0	0.0	-6.74	0.16	-0.80	0.47	80.59	-56.73
		-56.73	-80.61	0.03	0.0	200.4	-6.74	0.16	-0.80	0.47	-80.61	71.00
140	12	-0.20	2.56	3.58e-05	0.0	0.0	-2.70	-2.27e-03	0.01	4.23e-03	0.55	-0.20
		-0.65	0.55	2.00e-04	0.0	200.4	-2.70	-2.27e-03	0.01	4.23e-03	2.56	-0.65
140	13	45.32	1130.21	-2.75	-100.19	0.0	-88.57	56.54	11.22	2.08	-1118.94	-3151.46
		-3151.46	-1118.94	-0.02	0.0	200.4	-88.57	-43.65	11.22	2.08	1130.21	-1860.25
141	1	483.30	295.32	-0.07	10.55	0.0	-1.89	-6.02	-2.97	0.09	295.32	483.30
		138.84	-300.09	4.26e-03	0.0	200.4	0.36	4.53	-2.97	0.09	-300.09	333.33
141	2	1663.07	762.39	-0.11	80.85	0.0	-12.26	-40.88	-7.67	-0.19	762.39	1663.07
		-407.69	-775.16	0.01	0.0	200.4	4.94	39.97	-7.67	-0.19	-775.16	1571.88
141	3	3253.32	1491.39	-0.21	158.16	0.0	-23.99	-79.97	-15.01	-0.38	1491.39	3253.32

		-797.52	-1516.39	0.02	0.0	200.4	9.66	78.19	-15.01	-0.38	-1516.39	3074.94
141	4	-16.45	386.19	0.36	0.0	0.0	-1.55	0.18	-3.60	0.75	386.19	-16.45
		-50.80	-336.36	0.17	0.0	200.4	-1.55	0.18	-3.60	0.75	-336.36	-50.80
141	5	-16.45	386.19	0.36	0.0	0.0	-1.55	0.18	-3.60	0.75	386.19	-16.45
		-50.80	-336.36	0.17	0.0	200.4	-1.55	0.18	-3.60	0.75	-336.36	-50.80
141	6	256.90	707.13	-1.30	0.0	0.0	-1.33	0.83	7.01	0.95	-697.21	-115.33
		-115.33	-697.21	-0.11	0.0	200.4	-1.33	0.83	7.01	0.95	707.13	256.90
141	7	178.96	581.18	-0.72	0.0	0.0	-1.65	0.49	5.80	1.47	-580.67	-94.25
		-94.25	-580.67	0.11	0.0	200.4	-1.65	0.49	5.80	1.47	581.18	178.96
141	8	-5.23	123.22	0.11	0.0	0.0	-0.49	0.06	-1.15	0.24	123.22	-5.23
		-16.15	-107.43	0.05	0.0	200.4	-0.49	0.06	-1.15	0.24	-107.43	-16.15
141	9	-5.23	123.22	0.11	0.0	0.0	-0.49	0.06	-1.15	0.24	123.22	-5.23
		-16.15	-107.43	0.05	0.0	200.4	-0.49	0.06	-1.15	0.24	-107.43	-16.15
141	10	89.80	233.40	-0.41	0.0	0.0	-0.43	0.27	2.31	0.32	-230.20	-43.03
		-43.03	-230.20	-0.03	0.0	200.4	-0.43	0.27	2.31	0.32	233.40	89.80
141	11	63.81	195.50	-0.23	0.0	0.0	-0.61	0.17	1.95	0.48	-195.17	-35.24
		-35.24	-195.17	0.03	0.0	200.4	-0.61	0.17	1.95	0.48	195.50	63.81
141	12	2.35	1.44	2.43e-04	0.0	0.0	0.06	-5.26e-03	0.02	5.45e-03	-3.22	2.35
		1.30	-3.22	2.17e-04	0.0	200.4	0.06	-5.26e-03	0.02	5.45e-03	1.44	1.30
141	13	1170.87	2846.16	-2.61	-200.39	0.0	4.68	102.68	28.29	2.94	-2822.34	-4097.79
		-4097.79	-2822.34	-0.04	0.0	200.4	4.68	-97.71	28.29	2.94	2846.16	-3599.23
142	1	404.60	83.51	-0.06	10.55	0.0	-1.46	-5.75	0.82	0.35	-80.99	404.60
		91.38	-80.99	1.05e-03	0.0	200.4	0.78	4.80	0.82	0.35	83.51	310.17
142	2	1551.56	238.06	-0.10	80.85	0.0	-11.23	-39.97	2.34	0.28	-230.87	1460.38
		-519.19	-230.87	-3.09e-03	0.0	200.4	5.97	40.88	2.34	0.28	238.06	1551.56
142	3	3035.18	465.69	-0.20	158.16	0.0	-21.97	-78.19	4.58	0.55	-451.64	2856.82
		-1015.65	-451.64	-6.04e-03	0.0	200.4	11.68	79.97	4.58	0.55	465.69	3035.18
142	4	-27.01	493.00	0.39	0.0	0.0	1.81	-0.22	-4.69	0.70	493.00	-27.01
		-67.87	-448.40	0.17	0.0	200.4	1.81	-0.22	-4.69	0.70	-448.40	-67.87
142	5	-27.01	493.00	0.39	0.0	0.0	1.81	-0.22	-4.69	0.70	493.00	-27.01
		-67.87	-448.40	0.17	0.0	200.4	1.81	-0.22	-4.69	0.70	-448.40	-67.87
142	6	223.28	1265.54	-1.28	0.0	0.0	-2.28	0.82	12.52	1.42	-1242.71	65.78
		65.78	-1242.71	-0.11	0.0	200.4	-2.28	0.82	12.52	1.42	1265.54	223.28
142	7	148.59	789.31	-0.67	0.0	0.0	-1.55	0.50	7.86	1.75	-784.84	52.67
		52.67	-784.84	0.11	0.0	200.4	-1.55	0.50	7.86	1.75	789.31	148.59
142	8	-8.59	156.96	0.12	0.0	0.0	0.58	-0.07	-1.49	0.22	156.96	-8.59
		-21.58	-142.80	0.05	0.0	200.4	0.58	-0.07	-1.49	0.22	-142.80	-21.58
142	9	-8.59	156.96	0.12	0.0	0.0	0.58	-0.07	-1.49	0.22	156.96	-8.59
		-21.58	-142.80	0.05	0.0	200.4	0.58	-0.07	-1.49	0.22	-142.80	-21.58
142	10	77.30	415.09	-0.41	0.0	0.0	-0.73	0.28	4.11	0.51	-407.77	24.08
		24.08	-407.77	-0.04	0.0	200.4	-0.73	0.28	4.11	0.51	415.09	77.30
142	11	52.61	262.55	-0.21	0.0	0.0	-0.57	0.17	2.61	0.60	-260.95	19.44
		19.44	-260.95	0.03	0.0	200.4	-0.57	0.17	2.61	0.60	262.55	52.61
142	12	5.28	1.02	4.55e-04	0.0	0.0	-0.07	2.89e-03	0.02	2.31e-03	-3.41	4.70
		4.70	-3.41	2.45e-04	0.0	200.4	-0.07	2.89e-03	0.02	2.31e-03	1.02	5.28
142	13	1445.20	2831.20	-2.49	-200.39	0.0	-2.01	100.21	28.14	1.59	-2806.95	-3576.17
		-3576.17	-2806.95	-0.04	0.0	200.4	-2.01	-100.17	28.14	1.59	2831.20	-3572.20
143	1	425.63	143.44	-0.04	10.55	0.0	13.69	-6.04	1.42	0.54	-140.62	425.63
		78.95	-140.62	-1.84e-03	0.0	200.4	15.93	4.51	1.42	0.54	143.44	271.72
143	2	921.23	391.74	-0.08	40.43	0.0	8.90	-20.98	3.90	0.64	-389.88	921.23
		-168.26	-389.88	5.21e-03	0.0	200.4	17.50	19.44	3.90	0.64	391.74	767.41
143	3	1802.11	766.33	-0.15	79.08	0.0	17.42	-41.04	7.63	1.25	-762.68	1802.11
		-329.16	-762.68	0.01	0.0	200.4	34.24	38.04	7.63	1.25	766.33	1501.22
143	4	-13.44	211.12	0.42	0.0	0.0	-105.27	-0.28	-2.17	0.69	211.12	-13.44
		-70.15	-223.53	0.17	0.0	200.4	-105.27	-0.28	-2.17	0.69	-223.53	-70.15
143	5	-13.44	211.12	0.42	0.0	0.0	-105.27	-0.28	-2.17	0.69	211.12	-13.44
		-70.15	-223.53	0.17	0.0	200.4	-105.27	-0.28	-2.17	0.69	-223.53	-70.15
143	6	201.03	775.10	-1.25	0.0	0.0	17.14	0.82	7.76	1.88	-780.35	-62.19
		-62.19	-780.35	-0.11	0.0	200.4	17.14	0.82	7.76	1.88	775.10	201.03
143	7	112.27	433.05	-0.62	0.0	0.0	20.92	0.41	4.32	2.01	-433.49	-44.67
		-44.67	-433.49	0.11	0.0	200.4	20.92	0.41	4.32	2.01	433.05	112.27
143	8	-4.27	67.20	0.13	0.0	0.0	-33.47	-0.09	-0.69	0.22	67.20	-4.27
		-22.31	-71.14	0.05	0.0	200.4	-33.47	-0.09	-0.69	0.22	-71.14	-22.31
143	9	-4.27	67.20	0.13	0.0	0.0	-33.47	-0.09	-0.69	0.22	67.20	-4.27
		-22.31	-71.14	0.05	0.0	200.4	-33.47	-0.09	-0.69	0.22	-71.14	-22.31
143	10	66.05	254.23	-0.40	0.0	0.0	5.53	0.26	2.55	0.69	-255.89	-23.08
		-23.08	-255.89	-0.03	0.0	200.4	5.53	0.26	2.55	0.69	254.23	66.05
143	11	37.54	143.73	-0.20	0.0	0.0	6.66	0.13	1.44	0.70	-143.89	-16.55
		-16.55	-143.89	0.03	0.0	200.4	6.66	0.13	1.44	0.70	143.73	37.54
143	12	2.51	3.52	4.70e-04	0.0	0.0	3.82	3.67e-03	8.50e-03	-1.02e-03	1.81	1.78
		1.78	1.81	2.52e-04	0.0	200.4	3.82	3.67e-03	8.50e-03	-1.02e-03	3.52	2.51
143	13	585.12	1347.32	-2.45	-100.19	0.0	-13.48	53.60	13.50	0.47	-1357.83	-2280.19
		-2280.19	-1357.83	0.02	0.0	200.4	-13.48	-46.59	13.50	0.47	1347.32	-1578.27
144	1	-3729.57	126.76	-9.19e-03	-29.66	0.0	310.12	145.90	2.05	95.34	-78.53	-1.686e+04
		-1.686e+04	-78.53	-8.68e-05	0.0	100.2	316.43	116.24	2.05	95.34	126.76	-3729.57
144	2	-2830.67	414.96	0.01	0.0	0.0	234.67	143.18	6.26	264.47	-212.68	-1.718e+04

		-1.718e+04	-212.68	-2.05e-04	0.0	100.2	234.67	143.18	6.26	264.47	414.96	-2830.67
144	3	-5537.40	811.75	0.03	0.0	0.0	459.07	280.09	12.25	517.37	-416.04	-3.360e+04
		-3.360e+04	-416.04	-4.01e-04	0.0	100.2	459.07	280.09	12.25	517.37	811.75	-5537.40
144	4	-3892.36	-377.74	0.21	0.0	0.0	-128.95	22.14	62.04	1101.57	-6543.98	-6100.26
		-6100.26	-6543.98	-0.10	0.0	100.2	-128.95	22.14	62.04	1101.57	-377.74	-3892.36
144	5	-3892.36	-377.74	0.21	0.0	0.0	-128.95	22.14	62.04	1101.57	-6543.98	-6100.26
		-6100.26	-6543.98	-0.10	0.0	100.2	-128.95	22.14	62.04	1101.57	-377.74	-3892.36
144	6	-6498.05	407.76	0.30	0.0	0.0	-56.00	35.49	12.97	161.75	-1241.57	-1.005e+04
		-1.005e+04	-1241.57	0.05	0.0	100.2	-56.00	35.49	12.97	161.75	407.76	-6498.05
144	7	-1.226e+04	1189.33	0.61	0.0	0.0	-86.39	63.57	8.19	-149.01	1189.33	-1.861e+04
		-1.861e+04	852.48	-0.05	0.0	100.2	-86.39	63.57	8.19	-149.01	852.48	-1.226e+04
144	8	-1237.70	-120.11	0.07	0.0	0.0	-41.00	7.04	19.72	350.23	-2080.59	-1939.77
		-1939.77	-2080.59	-0.03	0.0	100.2	-41.00	7.04	19.72	350.23	-120.11	-1237.70
144	9	-1237.70	-120.11	0.07	0.0	0.0	-41.00	7.04	19.72	350.23	-2080.59	-1939.77
		-1939.77	-2080.59	-0.03	0.0	100.2	-41.00	7.04	19.72	350.23	-120.11	-1237.70
144	10	-2136.24	135.21	0.10	0.0	0.0	-17.83	11.79	4.14	51.54	-394.75	-3315.22
		-3315.22	-394.75	0.02	0.0	100.2	-17.83	11.79	4.14	51.54	135.21	-2136.24
144	11	-3978.14	378.09	0.19	0.0	0.0	-27.49	20.88	2.65	-47.68	378.09	-6063.11
		-6063.11	276.18	-0.02	0.0	100.2	-27.49	20.88	2.65	-47.68	276.18	-3978.14
144	12	14.93	379.16	-2.73e-04	0.0	0.0	-3.04	0.59	14.30	218.41	-1053.59	-44.28
		-44.28	-1053.59	-1.71e-03	0.0	100.2	-3.04	0.59	14.30	218.41	379.16	14.93
144	13	1.157e+04	1286.91	1.26	0.0	0.0	-787.27	-251.22	8.72	-624.30	412.85	1.157e+04
		-1.360e+04	412.85	-1.21e-03	0.0	100.2	-787.27	-251.22	8.72	-624.30	1286.91	-1.360e+04
145	1	-6780.61	19.79	-7.36e-03	-29.66	0.0	489.39	248.09	-0.60	-27.27	19.79	-3.015e+04
		-3.015e+04	-40.68	-7.14e-05	0.0	100.2	495.70	218.43	-0.60	-27.27	-40.68	-6780.61
145	2	-6910.75	51.81	-0.01	0.0	0.0	630.72	405.61	-1.51	-72.50	51.81	-4.755e+04
		-4.755e+04	-99.03	-1.11e-04	0.0	100.2	630.72	405.61	-1.51	-72.50	-99.03	-6910.75
145	3	-1.352e+04	101.35	-0.02	0.0	0.0	1233.82	793.46	-2.95	-141.83	101.35	-9.302e+04
		-9.302e+04	-193.73	-2.17e-04	0.0	100.2	1233.82	793.46	-2.95	-141.83	-193.73	-1.352e+04
145	4	-3204.89	-122.87	0.15	0.0	0.0	-28.02	16.96	62.38	1113.89	-6267.73	-4901.04
		-4901.04	-6267.73	-0.10	0.0	100.2	-28.02	16.96	62.38	1113.89	-122.87	-3204.89
145	5	-3204.89	-122.87	0.15	0.0	0.0	-28.02	16.96	62.38	1113.89	-6267.73	-4901.04
		-4901.04	-6267.73	-0.10	0.0	100.2	-28.02	16.96	62.38	1113.89	-122.87	-3204.89
145	6	-1.237e+04	556.78	0.37	0.0	0.0	-61.80	76.45	14.35	162.03	-1183.02	-2.002e+04
		-2.002e+04	-1183.02	0.05	0.0	100.2	-61.80	76.45	14.35	162.03	556.78	-1.237e+04
145	7	-1.738e+04	1149.34	0.63	0.0	0.0	-105.47	105.83	10.39	-157.27	1149.34	-2.794e+04
		-2.794e+04	661.11	-0.05	0.0	100.2	-105.47	105.83	10.39	-157.27	661.11	-1.738e+04
145	8	-1018.99	-39.50	0.05	0.0	0.0	-8.91	5.39	19.83	354.15	-1992.76	-1558.28
		-1558.28	-1992.76	-0.03	0.0	100.2	-8.91	5.39	19.83	354.15	-39.50	-1018.99
145	9	-1018.99	-39.50	0.05	0.0	0.0	-8.91	5.39	19.83	354.15	-1992.76	-1558.28
		-1558.28	-1992.76	-0.03	0.0	100.2	-8.91	5.39	19.83	354.15	-39.50	-1018.99
145	10	-4373.12	185.99	0.12	0.0	0.0	-20.06	27.33	4.59	51.51	-376.05	-7107.99
		-7107.99	-376.05	0.02	0.0	100.2	-20.06	27.33	4.59	51.51	185.99	-4373.12
145	11	-6022.05	365.32	0.20	0.0	0.0	-33.81	37.40	3.36	-50.01	365.32	-9754.49
		-9754.49	218.37	-0.02	0.0	100.2	-33.81	37.40	3.36	-50.01	218.37	-6022.05
145	12	48.09	266.08	7.59e-05	0.0	0.0	-0.75	-0.48	9.53	147.84	-688.88	48.09
		0.09	-688.88	-1.06e-03	0.0	100.2	-0.75	-0.48	9.53	147.84	266.08	0.09
145	13	8.389e+04	1661.35	1.51	0.0	0.0	-1779.29	-885.99	19.01	195.55	-243.73	8.389e+04
		-4881.41	-243.73	-1.17e-03	0.0	100.2	-1779.29	-885.99	19.01	195.55	1661.35	-4881.41
146	1	-6364.78	9.19	-5.66e-03	-29.66	0.0	457.68	224.17	0.14	6.81	-4.61	-2.734e+04
		-2.734e+04	-4.61	-7.68e-05	0.0	100.2	463.99	194.51	0.14	6.81	9.19	-6364.78
146	2	-6231.05	25.69	7.38e-03	0.0	0.0	553.62	341.26	0.40	17.79	-14.26	-4.042e+04
		-4.042e+04	-14.26	-1.30e-04	0.0	100.2	553.62	341.26	0.40	17.79	25.69	-6231.05
146	3	-1.219e+04	50.26	0.01	0.0	0.0	1082.99	667.57	0.78	34.80	-27.89	-7.908e+04
		-7.908e+04	-27.89	-2.55e-04	0.0	100.2	1082.99	667.57	0.78	34.80	50.26	-1.219e+04
146	4	-1802.27	121.19	0.08	0.0	0.0	-14.33	10.18	62.75	1111.09	-6258.23	-2821.42
		-2821.42	-6258.23	-0.10	0.0	100.2	-14.33	10.18	62.75	1111.09	121.19	-1802.27
146	5	-1802.27	121.19	0.08	0.0	0.0	-14.33	10.18	62.75	1111.09	-6258.23	-2821.42
		-2821.42	-6258.23	-0.10	0.0	100.2	-14.33	10.18	62.75	1111.09	121.19	-1802.27
146	6	-1.458e+04	480.11	0.45	0.0	0.0	-73.08	89.06	14.50	162.38	-1177.98	-2.348e+04
		-2.348e+04	-1177.98	0.05	0.0	100.2	-73.08	89.06	14.50	162.38	480.11	-1.458e+04
146	7	-1.787e+04	1163.21	0.60	0.0	0.0	-97.09	108.46	-12.39	-160.99	1163.21	-2.871e+04
		-2.871e+04	363.44	-0.05	0.0	100.2	-97.09	108.46	-12.39	-160.99	363.44	-1.787e+04
146	8	-573.12	38.66	0.03	0.0	0.0	-4.56	3.24	19.95	353.26	-1989.74	-897.21
		-897.21	-1989.74	-0.03	0.0	100.2	-4.56	3.24	19.95	353.26	38.66	-573.12
146	9	-573.12	38.66	0.03	0.0	0.0	-4.56	3.24	19.95	353.26	-1989.74	-897.21
		-897.21	-1989.74	-0.03	0.0	100.2	-4.56	3.24	19.95	353.26	38.66	-573.12
146	10	-5155.01	159.44	0.14	0.0	0.0	-23.59	31.87	4.63	51.62	-374.45	-8343.16
		-8343.16	-374.45	0.02	0.0	100.2	-23.59	31.87	4.63	51.62	159.44	-5155.01
146	11	-6263.55	369.76	0.19	0.0	0.0	-31.15	38.60	-3.95	-51.18	369.76	-1.012e+04
		-1.012e+04	121.80	-0.02	0.0	100.2	-31.15	38.60	-3.95	-51.18	121.80	-6263.55
146	12	-0.67	129.50	1.28e-04	0.0	0.0	-0.15	-0.02	4.74	73.46	-345.73	-0.67
		-2.77	-345.73	-5.35e-04	0.0	100.2	-0.15	-0.02	4.74	73.46	129.50	-2.77
146	13	6.296e+04	556.53	1.59	0.0	0.0	-1606.56	-715.76	5.80	-36.48	-25.07	6.296e+04
		-8756.10	-25.07	-5.69e-04	0.0	100.2	-1606.56	-715.76	5.80	-36.48	556.53	-8756.10
147	1	-6345.69	0.79	-6.69e-03	-29.66	0.0	463.16	231.93	-0.01	-0.01	0.79	-2.810e+04

		-2.810e+04	-0.43	-7.63e-05	0.0	100.2	469.47	202.27	-0.01	-0.01	-0.43	-6345.69
147	2	-6258.34	1.14	6.94e-03	0.0	0.0	570.19	361.54	-0.01	0.01	1.14	-4.248e+04
		-4.248e+04	-0.04	-1.32e-04	0.0	100.2	570.19	361.54	-0.01	0.01	-0.04	-6258.34
147	3	-1.224e+04	2.23	0.01	0.0	0.0	1115.41	707.24	-0.02	0.03	2.23	-8.310e+04
		-8.310e+04	-0.07	-2.59e-04	0.0	100.2	1115.41	707.24	-0.02	0.03	-0.07	-1.224e+04
147	4	10.17	218.71	3.72e-04	0.0	0.0	-3.19	-0.04	62.96	1112.48	-6257.32	10.17
		6.55	-6257.32	-0.10	0.0	100.2	-3.19	-0.04	62.96	1112.48	218.71	6.55
147	5	10.17	218.71	3.72e-04	0.0	0.0	-3.19	-0.04	62.96	1112.48	-6257.32	10.17
		6.55	-6257.32	-0.10	0.0	100.2	-3.19	-0.04	62.96	1112.48	218.71	6.55
147	6	-1.572e+04	265.73	0.53	0.0	0.0	-86.18	95.36	13.68	162.49	-1170.36	-2.525e+04
		-2.525e+04	-1170.36	0.05	0.0	100.2	-86.18	95.36	13.68	162.49	265.73	-1.572e+04
147	7	-1.571e+04	1175.10	0.53	0.0	0.0	-85.25	95.45	-13.72	-163.22	1175.10	-2.525e+04
		-2.525e+04	-266.87	-0.05	0.0	100.2	-85.25	95.45	-13.72	-163.22	-266.87	-1.571e+04
147	8	3.23	69.56	1.18e-04	0.0	0.0	-1.01	-0.01	20.02	353.70	-1989.45	3.23
		2.08	-1989.45	-0.03	0.0	100.2	-1.01	-0.01	20.02	353.70	69.56	2.08
147	9	3.23	69.56	1.18e-04	0.0	0.0	-1.01	-0.01	20.02	353.70	-1989.45	3.23
		2.08	-1989.45	-0.03	0.0	100.2	-1.01	-0.01	20.02	353.70	69.56	2.08
147	10	-5499.93	88.28	0.17	0.0	0.0	-27.69	33.85	4.35	51.67	-372.06	-8883.90
		-8883.90	-372.06	0.02	0.0	100.2	-27.69	33.85	4.35	51.67	88.28	-5499.93
147	11	-5497.02	373.56	0.17	0.0	0.0	-27.40	33.89	-4.37	-51.90	373.56	-8884.76
		-8884.76	-88.79	-0.02	0.0	100.2	-27.40	33.89	-4.37	-51.90	-88.79	-5497.02
147	12	13.04	0.04	1.65e-04	0.0	0.0	-0.24	-0.16	-5.08e-05	-1.95e-04	0.04	13.04
		-3.05	0.03	0.0	0.0	100.2	-0.24	-0.16	-5.08e-05	-1.95e-04	0.03	-3.05
147	13	6.713e+04	2.52	1.63	0.0	0.0	-1650.98	-762.32	0.02	-0.18	0.54	6.713e+04
		-9251.51	0.54	-2.10e-04	0.0	100.2	-1650.98	-762.32	0.02	-0.18	2.52	-9251.51
148	1	-6364.91	6.20	-5.65e-03	-29.66	0.0	457.68	224.17	-0.16	-6.83	6.20	-2.734e+04
		-2.734e+04	-9.98	-7.58e-05	0.0	100.2	463.99	194.51	-0.16	-6.83	-9.98	-6364.91
148	2	-6231.60	16.52	7.39e-03	0.0	0.0	553.64	341.26	-0.42	-17.76	16.52	-4.042e+04
		-4.042e+04	-25.58	-1.35e-04	0.0	100.2	553.64	341.26	-0.42	-17.76	-25.58	-6231.60
148	3	-1.219e+04	32.32	0.01	0.0	0.0	1083.03	667.57	-0.82	-34.73	32.32	-7.908e+04
		-7.908e+04	-50.05	-2.64e-04	0.0	100.2	1083.03	667.57	-0.82	-34.73	-50.05	-1.219e+04
148	4	2822.73	120.83	-0.08	0.0	0.0	-11.55	-10.18	62.75	1111.09	-6258.39	2822.73
		1803.12	-6258.39	-0.10	0.0	100.2	-11.55	-10.18	62.75	1111.09	120.83	1803.12
148	5	2822.73	120.83	-0.08	0.0	0.0	-11.55	-10.18	62.75	1111.09	-6258.39	2822.73
		1803.12	-6258.39	-0.10	0.0	100.2	-11.55	-10.18	62.75	1111.09	120.83	1803.12
148	6	-1.788e+04	-365.30	0.60	0.0	0.0	-97.97	108.60	12.34	160.25	-1158.41	-2.873e+04
		-2.873e+04	-1158.41	0.05	0.0	100.2	-97.97	108.60	12.34	160.25	-365.30	-1.788e+04
148	7	-1.455e+04	1182.70	0.45	0.0	0.0	-72.15	89.14	-14.54	-163.10	1182.70	-2.347e+04
		-2.347e+04	-479.03	-0.05	0.0	100.2	-72.15	89.14	-14.54	-163.10	-479.03	-1.455e+04
148	8	897.63	38.55	-0.03	0.0	0.0	-3.67	-3.24	19.95	353.26	-1989.79	897.63
		573.39	-1989.79	-0.03	0.0	100.2	-3.67	-3.24	19.95	353.26	38.55	573.39
148	9	897.63	38.55	-0.03	0.0	0.0	-3.67	-3.24	19.95	353.26	-1989.79	897.63
		573.39	-1989.79	-0.03	0.0	100.2	-3.67	-3.24	19.95	353.26	38.55	573.39
148	10	-6266.28	-122.61	0.19	0.0	0.0	-31.43	38.65	3.94	50.95	-368.23	-1.013e+04
		-1.013e+04	-368.23	0.02	0.0	100.2	-31.43	38.65	3.94	50.95	-122.61	-6266.28
148	11	-5146.96	375.95	0.14	0.0	0.0	-23.29	31.90	-4.64	-51.85	375.95	-8338.41
		-8338.41	-159.06	-0.02	0.0	100.2	-23.29	31.90	-4.64	-51.85	-159.06	-5146.96
148	12	-0.66	345.81	1.28e-04	0.0	0.0	-0.03	-0.02	-4.74	-73.46	345.81	-0.66
		-2.76	-129.42	5.36e-04	0.0	100.2	-0.03	-0.02	-4.74	-73.46	-129.42	-2.76
148	13	6.297e+04	26.21	1.59	0.0	0.0	-1606.26	-715.80	-5.78	36.09	26.21	6.297e+04
		-8748.75	-552.90	2.82e-04	0.0	100.2	-1606.26	-715.80	-5.78	36.09	-552.90	-8748.75
149	1	-6780.71	39.61	-7.35e-03	-29.66	0.0	489.38	248.09	0.58	27.24	-18.18	-3.015e+04
		-3.015e+04	-18.18	-8.10e-05	0.0	100.2	495.69	218.43	0.58	27.24	39.61	-6780.71
149	2	-6910.53	98.44	-0.01	0.0	0.0	630.70	405.61	1.48	72.53	-49.46	-4.755e+04
		-4.755e+04	-49.46	-1.54e-04	0.0	100.2	630.70	405.61	1.48	72.53	98.44	-6910.53
149	3	-1.352e+04	192.57	-0.02	0.0	0.0	1233.78	793.46	2.89	141.89	-96.76	-9.302e+04
		-9.302e+04	-96.76	-3.02e-04	0.0	100.2	1233.78	793.46	2.89	141.89	192.57	-1.352e+04
149	4	4900.36	-123.24	-0.15	0.0	0.0	24.16	-16.96	62.38	1113.89	-6268.06	4900.36
		3204.47	-6268.06	-0.10	0.0	100.2	24.16	-16.96	62.38	1113.89	-123.24	3204.47
149	5	4900.36	-123.24	-0.15	0.0	0.0	24.16	-16.96	62.38	1113.89	-6268.06	4900.36
		3204.47	-6268.06	-0.10	0.0	100.2	24.16	-16.96	62.38	1113.89	-123.24	3204.47
149	6	-1.737e+04	-660.45	0.63	0.0	0.0	-106.23	105.62	-10.34	156.51	-1144.52	-2.791e+04
		-2.791e+04	-1144.52	0.05	0.0	100.2	-106.23	105.62	-10.34	156.51	-660.45	-1.737e+04
149	7	-1.235e+04	1187.75	0.37	0.0	0.0	-61.08	76.27	-14.38	-162.75	1187.75	-1.998e+04
		-1.998e+04	-554.64	-0.05	0.0	100.2	-61.08	76.27	-14.38	-162.75	-554.64	-1.235e+04
149	8	1558.06	-39.62	-0.05	0.0	0.0	7.68	-5.39	19.83	354.15	-1992.87	1558.06
		1018.85	-1992.87	-0.03	0.0	100.2	7.68	-5.39	19.83	354.15	-39.62	1018.85
149	9	1558.06	-39.62	-0.05	0.0	0.0	7.68	-5.39	19.83	354.15	-1992.87	1558.06
		1018.85	-1992.87	-0.03	0.0	100.2	7.68	-5.39	19.83	354.15	-39.62	1018.85
149	10	-6019.18	-217.97	0.20	0.0	0.0	-34.04	37.32	-3.34	49.77	-363.79	-9743.70
		-9743.70	-363.79	0.02	0.0	100.2	-34.04	37.32	-3.34	49.77	-217.97	-6019.18
149	11	-4366.87	377.55	0.12	0.0	0.0	-19.83	27.26	-4.60	-51.74	377.55	-7094.66
		-7094.66	-185.11	-0.02	0.0	100.2	-19.83	27.26	-4.60	-51.74	-185.11	-4366.87
149	12	48.09	688.96	7.59e-05	0.0	0.0	-0.53	-0.48	-9.53	-147.84	688.96	48.09
		0.11	-265.98	1.07e-03	0.0	100.2	-0.53	-0.48	-9.53	-147.84	-265.98	0.11
149	13	8.392e+04	244.68	1.51	0.0	0.0	-1778.50	-886.09	-19.00	-195.96	244.68	8.392e+04

		-4864.55	-1658.99	8.84e-04	0.0	100.2	-1778.50	-886.09	-19.00	-195.96	-1658.99	-4864.55
150	1	-3728.34	80.06	-9.17e-03	-29.66	0.0	310.37	145.80	-2.05	-95.37	80.06	-1.685e+04
		-1.685e+04	-124.95	-7.88e-05	0.0	100.2	316.68	116.14	-2.05	-95.37	-124.95	-3728.34
150	2	-2819.56	214.74	0.01	0.0	0.0	233.93	142.56	-6.25	-264.44	214.74	-1.710e+04
		-1.710e+04	-411.48	-1.41e-04	0.0	100.2	233.93	142.56	-6.25	-264.44	-411.48	-2819.56
150	3	-5515.66	420.07	0.03	0.0	0.0	457.62	278.88	-12.23	-517.30	420.07	-3.346e+04
		-3.346e+04	-804.94	-2.76e-04	0.0	100.2	457.62	278.88	-12.23	-517.30	-804.94	-5515.66
150	4	6095.60	-387.08	-0.21	0.0	0.0	125.74	-22.12	62.00	1101.56	-6551.25	6095.60
		3889.59	-6551.25	-0.10	0.0	100.2	125.74	-22.12	62.00	1101.56	-387.08	3889.59
150	5	6095.60	-387.08	-0.21	0.0	0.0	125.74	-22.12	62.00	1101.56	-6551.25	6095.60
		3889.59	-6551.25	-0.10	0.0	100.2	125.74	-22.12	62.00	1101.56	-387.08	3889.59
150	6	-1.225e+04	-851.61	0.61	0.0	0.0	-86.71	63.47	-8.13	148.27	-1185.61	-1.859e+04
		-1.859e+04	-1185.61	0.05	0.0	100.2	-86.71	63.47	-8.13	148.27	-851.61	-1.225e+04
150	7	-6494.95	1247.78	0.30	0.0	0.0	-55.53	35.51	-13.00	-162.46	1247.78	-1.005e+04
		-1.005e+04	-405.45	-0.05	0.0	100.2	-55.53	35.51	-13.00	-162.46	-405.45	-6494.95
150	8	1938.29	-123.08	-0.07	0.0	0.0	39.98	-7.03	19.71	350.23	-2082.90	1938.29
		1236.82	-2082.90	-0.03	0.0	100.2	39.98	-7.03	19.71	350.23	-123.08	1236.82
150	9	1938.29	-123.08	-0.07	0.0	0.0	39.98	-7.03	19.71	350.23	-2082.90	1938.29
		1236.82	-2082.90	-0.03	0.0	100.2	39.98	-7.03	19.71	350.23	-123.08	1236.82
150	10	-3975.74	-275.68	0.19	0.0	0.0	-27.59	20.85	-2.63	47.45	-376.91	-6057.33
		-6057.33	-376.91	0.02	0.0	100.2	-27.59	20.85	-2.63	47.45	-275.68	-3975.74
150	11	-2135.37	396.73	0.10	0.0	0.0	-17.68	11.81	-4.14	-51.77	396.73	-3315.55
		-3315.55	-134.21	-0.02	0.0	100.2	-17.68	11.81	-4.14	-51.77	-134.21	-2135.37
150	12	14.95	1054.64	-2.73e-04	0.0	0.0	-2.88	0.59	-14.30	-218.41	1054.64	-44.26
		-44.26	-378.05	1.71e-03	0.0	100.2	-2.88	0.59	-14.30	-218.41	-378.05	14.95
150	13	1.143e+04	-411.27	1.25	0.0	0.0	-784.78	-249.84	-8.80	623.89	-411.27	1.143e+04
		-1.360e+04	-1292.89	9.63e-04	0.0	100.2	-784.78	-249.84	-8.80	623.89	-1292.89	-1.360e+04
151	1	1144.89	254.12	-0.03	-3.22	0.0	-0.61	40.42	-4.77	3.02	254.12	-96.98
		-96.98	112.52	1.83e-03	0.69	32.0	-0.61	37.20	-4.08	3.02	112.52	1144.89
151	2	2860.18	786.45	-0.09	0.0	0.0	-2.33	97.55	-18.82	2.27	786.45	-261.31
		-261.31	184.11	5.30e-03	0.0	32.0	-2.33	97.55	-18.82	2.27	184.11	2860.18
151	3	5595.12	1538.45	-0.17	0.0	0.0	-4.57	190.82	-36.82	4.43	1538.45	-511.17
		-511.17	360.16	0.01	0.0	32.0	-4.57	190.82	-36.82	4.43	360.16	5595.12
151	4	-950.23	1475.87	4.41e-03	0.0	0.0	-39.75	4.44	-49.83	-1.62	1475.87	-1086.76
		-1086.76	-171.33	-0.03	0.0	32.0	-39.75	4.44	-49.83	-1.62	-171.33	-950.23
151	5	-950.23	1475.87	4.41e-03	0.0	0.0	-39.75	4.44	-49.83	-1.62	1475.87	-1086.76
		-1086.76	-171.33	-0.03	0.0	32.0	-39.75	4.44	-49.83	-1.62	-171.33	-950.23
151	6	-174.80	900.97	-4.49e-03	0.0	0.0	-7.59	-4.49	-22.11	4.38	900.97	-174.80
		-174.84	244.32	5.72e-03	0.0	32.0	-7.59	-4.49	-22.11	4.38	244.32	-174.84
151	7	-146.13	1305.69	-4.49e-03	0.0	0.0	6.63	-6.64	-26.70	4.76	1305.69	-146.13
		-251.37	465.95	-0.01	0.0	32.0	6.63	-6.64	-26.70	4.76	465.95	-251.37
151	8	-302.12	469.30	1.40e-03	0.0	0.0	-12.64	1.41	-15.84	-0.52	469.30	-345.52
		-345.52	-54.48	-9.20e-03	0.0	32.0	-12.64	1.41	-15.84	-0.52	-54.48	-302.12
151	9	-302.12	469.30	1.40e-03	0.0	0.0	-12.64	1.41	-15.84	-0.52	469.30	-345.52
		-345.52	-54.48	-9.20e-03	0.0	32.0	-12.64	1.41	-15.84	-0.52	-54.48	-302.12
151	10	-55.86	295.73	-1.42e-03	0.0	0.0	-2.41	-1.59	-7.18	1.49	295.73	-55.86
		-58.37	82.52	1.82e-03	0.0	32.0	-2.41	-1.59	-7.18	1.49	82.52	-58.37
151	11	-47.12	430.34	-1.45e-03	0.0	0.0	2.11	-2.42	-8.80	1.65	430.34	-47.12
		-85.40	153.58	-4.24e-03	0.0	32.0	2.11	-2.42	-8.80	1.65	153.58	-85.40
151	12	-194.78	127.08	1.17e-03	0.0	0.0	-15.45	0.69	-4.70	-0.18	127.08	-216.74
		-216.74	-23.35	-1.17e-04	0.0	32.0	-15.45	0.69	-4.70	-0.18	-23.35	-194.78
151	13	575.79	2526.56	0.21	0.0	0.0	3.29	-236.67	-56.92	2.36	2526.56	575.79
		-6997.77	705.13	0.02	0.0	32.0	3.29	-236.67	-56.92	2.36	705.13	-6997.77
152	1	4134.44	407.46	-0.12	-16.62	0.0	-0.44	26.42	-6.28	0.64	407.46	1145.26
		1145.26	-337.91	0.04	3.53	165.0	-0.44	9.81	-2.75	0.64	-337.91	4134.44
152	2	1.226e+04	969.29	-0.33	0.0	0.0	-2.19	56.97	-12.16	0.56	969.29	2860.86
		2860.86	-1037.71	0.11	0.0	165.0	-2.19	56.97	-12.16	0.56	-1037.71	1.226e+04
152	3	2.398e+04	1896.13	-0.65	0.0	0.0	-4.28	111.44	-23.79	1.10	1896.13	5596.44
		5596.44	-2029.98	0.22	0.0	165.0	-4.28	111.44	-23.79	1.10	-2029.98	2.398e+04
152	4	-369.83	690.04	0.01	0.0	0.0	-30.86	3.68	-7.86	-1.49	690.04	-950.08
		-950.08	-606.48	-0.08	0.0	165.0	-30.86	3.68	-7.86	-1.49	-606.48	-369.83
152	5	-369.83	690.04	0.01	0.0	0.0	-30.86	3.68	-7.86	-1.49	690.04	-950.08
		-950.08	-606.48	-0.08	0.0	165.0	-30.86	3.68	-7.86	-1.49	-606.48	-369.83
152	6	-175.09	1107.43	-0.02	0.0	0.0	-5.99	-2.90	-12.35	3.43	1107.43	-175.09
		-567.31	-931.09	0.14	0.0	165.0	-5.99	-2.90	-12.35	3.43	-931.09	-567.31
152	7	-251.52	1931.87	-0.02	0.0	0.0	5.02	-4.37	-21.86	2.88	1931.87	-251.52
		-920.30	-1675.78	0.11	0.0	165.0	5.02	-4.37	-21.86	2.88	-1675.78	-920.30
152	8	-117.59	219.54	3.45e-03	0.0	0.0	-9.81	1.17	-2.50	-0.48	219.54	-302.07
		-302.07	-192.91	-0.02	0.0	165.0	-9.81	1.17	-2.50	-0.48	-192.91	-117.59
152	9	-117.59	219.54	3.45e-03	0.0	0.0	-9.81	1.17	-2.50	-0.48	219.54	-302.07
		-302.07	-192.91	-0.02	0.0	165.0	-9.81	1.17	-2.50	-0.48	-192.91	-117.59
152	10	-58.50	368.69	-6.70e-03	0.0	0.0	-1.90	-1.05	-4.11	1.16	368.69	-58.50
		-206.60	-310.22	0.04	0.0	165.0	-1.90	-1.05	-4.11	1.16	-310.22	-206.60
152	11	-85.52	635.83	-5.44e-03	0.0	0.0	1.60	-1.63	-7.20	1.02	635.83	-85.52
		-338.36	-552.29	0.04	0.0	165.0	1.60	-1.63	-7.20	1.02	-552.29	-338.36
152	12	-88.27	-2.18	2.02e-03	0.0	0.0	-15.30	0.65	-4.51e-03	-0.05	-2.18	-194.70

		-194.70	-2.93	6.58e-04	0.0	165.0	-15.30	0.65	-4.51e-03	-0.05	-2.93	-88.27
152	13	-7001.00	3324.02	0.78	0.0	0.0	2.88	-139.26	-35.68	3.40	3324.02	-7001.00
		-2.998e+04	-2562.48	0.47	0.0	165.0	2.88	-139.26	-35.68	3.40	-2562.48	-2.998e+04
153	1	4134.82	65.83	0.03	-16.62	0.0	-0.41	-1.40	-0.38	-0.27	-162.98	4134.82
		2532.17	-166.25	-0.02	3.53	165.0	-0.41	-18.02	3.15	-0.27	65.83	2532.17
153	2	1.226e+04	28.54	0.08	0.0	0.0	-2.08	-25.98	3.46	-1.34	-542.06	1.226e+04
		7975.05	-542.06	-0.05	0.0	165.0	-2.08	-25.98	3.46	-1.34	28.54	7975.05
153	3	2.399e+04	55.83	0.15	0.0	0.0	-4.07	-50.82	6.76	-2.63	-1060.39	2.399e+04
		1.560e+04	-1060.39	-0.10	0.0	165.0	-4.07	-50.82	6.76	-2.63	55.83	1.560e+04
153	4	160.33	576.37	4.69e-03	0.0	0.0	-19.05	2.88	-7.28	-1.22	576.37	-370.12
		-370.12	-626.88	-0.08	0.0	165.0	-19.05	2.88	-7.28	-1.22	-626.88	160.33
153	5	160.33	576.37	4.69e-03	0.0	0.0	-19.05	2.88	-7.28	-1.22	576.37	-370.12
		-370.12	-626.88	-0.08	0.0	165.0	-19.05	2.88	-7.28	-1.22	-626.88	160.33
153	6	-444.49	726.82	-0.01	0.0	0.0	-4.01	0.90	-9.43	2.90	726.82	-567.79
		-567.79	-835.64	0.13	0.0	165.0	-4.01	0.90	-9.43	2.90	-835.64	-444.49
153	7	-714.02	916.44	-3.50e-03	0.0	0.0	3.22	1.36	-12.76	1.87	916.44	-920.83
		-920.83	-1204.83	0.05	0.0	165.0	3.22	1.36	-12.76	1.87	-1204.83	-714.02
153	8	51.00	183.60	1.49e-03	0.0	0.0	-6.06	0.91	-2.32	-0.39	183.60	-117.69
		-117.69	-199.58	-0.03	0.0	165.0	-6.06	0.91	-2.32	-0.39	-199.58	51.00
153	9	51.00	183.60	1.49e-03	0.0	0.0	-6.06	0.91	-2.32	-0.39	183.60	-117.69
		-117.69	-199.58	-0.03	0.0	165.0	-6.06	0.91	-2.32	-0.39	-199.58	51.00
153	10	-161.69	243.94	-4.46e-03	0.0	0.0	-1.28	0.32	-3.16	0.95	243.94	-206.79
		-206.79	-279.41	0.04	0.0	165.0	-1.28	0.32	-3.16	0.95	-279.41	-161.69
153	11	-263.36	302.67	-1.07e-03	0.0	0.0	1.03	0.49	-4.21	0.63	302.67	-338.58
		-338.58	-397.43	0.02	0.0	165.0	1.03	0.49	-4.21	0.63	-397.43	-263.36
153	12	4.33	9.03	-1.71e-03	0.0	0.0	-15.21	0.56	-0.11	0.07	9.03	-88.29
		-88.29	-8.59	7.68e-04	0.0	165.0	-15.21	0.56	-0.11	0.07	-8.59	4.33
153	13	-1.944e+04	3110.33	-0.22	0.0	0.0	3.35	63.88	-37.65	8.10	3110.33	-2.998e+04
		-2.998e+04	-3101.75	0.57	0.0	165.0	3.35	63.88	-37.65	8.10	-3101.75	-1.944e+04
154	1	2532.68	668.44	0.11	-16.62	0.0	-0.47	-29.22	5.51	-0.74	-532.23	2532.68
		-3658.84	-532.23	-0.08	3.53	165.0	-0.47	-45.83	9.04	-0.74	668.44	-3658.84
154	2	7975.89	1617.17	0.31	0.0	0.0	-2.26	-108.48	19.02	-1.98	-1521.35	7975.89
		-9923.89	-1521.35	-0.20	0.0	165.0	-2.26	-108.48	19.02	-1.98	1617.17	-9923.89
154	3	1.560e+04	3163.52	0.60	0.0	0.0	-4.41	-212.22	37.21	-3.88	-2976.08	1.560e+04
		-1.941e+04	-2976.08	-0.39	0.0	165.0	-4.41	-212.22	37.21	-3.88	3163.52	-1.941e+04
154	4	538.25	354.77	0.01	0.0	0.0	-7.28	2.62	-4.76	-1.54	354.77	160.07
		160.07	-432.05	-0.12	0.0	165.0	-7.28	2.62	-4.76	-1.54	-432.05	538.25
154	5	538.25	354.77	0.01	0.0	0.0	-7.28	2.62	-4.76	-1.54	354.77	160.07
		160.07	-432.05	-0.12	0.0	165.0	-7.28	2.62	-4.76	-1.54	-432.05	538.25
154	6	378.11	-498.30	-9.94e-03	0.0	0.0	-2.13	4.90	6.82	2.71	-498.30	-444.78
		-444.78	-635.41	0.09	0.0	165.0	-2.13	4.90	6.82	2.71	-635.41	378.11
154	7	570.20	737.99	4.38e-03	0.0	0.0	-1.40	7.55	8.25	1.88	-649.36	-714.33
		-714.33	-649.36	-0.08	0.0	165.0	-1.40	7.55	8.25	1.88	737.99	570.20
154	8	171.13	113.32	3.20e-03	0.0	0.0	-2.32	0.83	-1.52	-0.49	113.32	50.92
		50.92	-138.00	-0.04	0.0	165.0	-2.32	0.83	-1.52	-0.49	-138.00	171.13
154	9	171.13	113.32	3.20e-03	0.0	0.0	-2.32	0.83	-1.52	-0.49	113.32	50.92
		50.92	-138.00	-0.04	0.0	165.0	-2.32	0.83	-1.52	-0.49	-138.00	171.13
154	10	139.46	-175.87	-3.25e-03	0.0	0.0	-0.68	1.80	2.38	0.87	-175.87	-161.80
		-161.80	-219.80	0.03	0.0	165.0	-0.68	1.80	2.38	0.87	-219.80	139.46
154	11	211.97	255.97	1.34e-03	0.0	0.0	-0.46	2.79	2.90	0.62	-229.77	-263.48
		-263.48	-229.77	-0.02	0.0	165.0	-0.46	2.79	2.90	0.62	255.97	211.97
154	12	93.98	3.64	-1.56e-03	0.0	0.0	-15.12	0.54	-0.03	0.05	3.64	4.30
		4.30	-0.70	6.46e-04	0.0	165.0	-15.12	0.54	-0.03	0.05	-0.70	93.98
154	13	2.438e+04	2603.03	-0.79	0.0	0.0	3.73	265.60	-36.69	9.28	2603.03	-1.944e+04
		-1.944e+04	-3451.36	0.46	0.0	165.0	3.73	265.60	-36.69	9.28	-3451.36	2.438e+04
155	1	-3658.52	342.32	0.01	-3.32	0.0	-0.72	-56.77	3.54	-4.16	213.69	-3658.52
		-5586.72	213.69	-2.80e-03	0.71	33.0	-0.72	-60.09	4.25	-4.16	342.32	-5586.72
155	2	-9923.24	1029.73	0.04	0.0	0.0	-2.59	-149.63	18.24	-6.42	427.66	-9923.24
		-1.486e+04	427.66	-7.77e-03	0.0	33.0	-2.59	-149.63	18.24	-6.42	1029.73	-1.486e+04
155	3	-1.941e+04	2014.36	0.07	0.0	0.0	-5.07	-292.72	35.69	-12.55	836.60	-1.941e+04
		-2.907e+04	836.60	-0.02	0.0	33.0	-5.07	-292.72	35.69	-12.55	2014.36	-2.907e+04
155	4	616.50	154.20	3.26e-03	0.0	0.0	1.67	2.61	-38.88	-2.32	154.20	538.25
		538.25	-1142.78	-0.03	0.0	33.0	1.67	2.61	-38.88	-2.32	-1142.78	616.50
155	5	616.50	154.20	3.26e-03	0.0	0.0	1.67	2.61	-38.88	-2.32	154.20	538.25
		538.25	-1142.78	-0.03	0.0	33.0	1.67	2.61	-38.88	-2.32	-1142.78	616.50
155	6	626.58	499.18	-2.34e-03	0.0	0.0	-0.99	7.70	12.70	2.69	-159.92	377.83
		377.83	-159.92	8.72e-03	0.0	33.0	-0.99	7.70	12.70	2.69	499.18	626.58
155	7	937.40	594.47	5.84e-04	0.0	0.0	-1.00	11.41	17.18	-3.70	-222.22	569.88
		569.88	-222.22	-0.02	0.0	33.0	-1.00	11.41	17.18	-3.70	594.47	937.40
155	8	196.01	49.06	1.04e-03	0.0	0.0	0.53	0.83	-12.37	-0.74	49.06	171.13
		171.13	-363.52	-9.85e-03	0.0	33.0	0.53	0.83	-12.37	-0.74	-363.52	196.01
155	9	196.01	49.06	1.04e-03	0.0	0.0	0.53	0.83	-12.37	-0.74	49.06	171.13
		171.13	-363.52	-9.85e-03	0.0	33.0	0.53	0.83	-12.37	-0.74	-363.52	196.01
155	10	230.25	170.68	-7.55e-04	0.0	0.0	-0.33	2.81	4.26	0.91	-55.17	139.35
		139.35	-55.17	2.77e-03	0.0	33.0	-0.33	2.81	4.26	0.91	170.68	230.25
155	11	346.98	204.39	1.81e-04	0.0	0.0	-0.34	4.19	5.73	-1.26	-74.43	211.85

		211.85	-74.43	-6.94e-03	0.0	33.0	-0.34	4.19	5.73	-1.26	204.39	346.98
155	12	112.31	15.26	3.18e-05	0.0	0.0	-15.01	0.56	-2.83	-5.91e-03	15.26	93.99
		93.99	-78.02	8.72e-05	0.0	33.0	-15.01	0.56	-2.83	-5.91e-03	-78.02	112.31
155	13	3.639e+04	-1105.70	-0.09	0.0	0.0	4.54	363.97	-16.20	16.23	-1105.70	2.438e+04
		2.438e+04	-1640.43	0.01	0.0	33.0	4.54	363.97	-16.20	16.23	-1640.43	3.639e+04
156	1	-3917.35	277.20	5.38e-03	-3.22	0.0	-0.34	52.90	-2.72	4.06	277.20	-5558.48
		-5558.48	201.00	2.13e-03	0.69	32.0	-0.34	49.67	-2.04	4.06	201.00	-3917.35
156	2	-1.063e+04	875.56	0.01	0.0	0.0	-1.61	129.76	-14.98	5.60	875.56	-1.479e+04
		-1.479e+04	396.09	6.14e-03	0.0	32.0	-1.61	129.76	-14.98	5.60	396.09	-1.063e+04
156	3	-2.080e+04	1712.79	0.03	0.0	0.0	-3.15	253.84	-29.31	10.96	1712.79	-2.892e+04
		-2.892e+04	774.84	0.01	0.0	32.0	-3.15	253.84	-29.31	10.96	774.84	-2.080e+04
156	4	-415.05	1336.60	3.13e-03	0.0	0.0	-32.02	2.63	-44.78	-1.45	1336.60	-494.84
		-494.84	-112.91	-0.03	0.0	32.0	-32.02	2.63	-44.78	-1.45	-112.91	-415.05
156	5	-415.05	1336.60	3.13e-03	0.0	0.0	-32.02	2.63	-44.78	-1.45	1336.60	-494.84
		-494.84	-112.91	-0.03	0.0	32.0	-32.02	2.63	-44.78	-1.45	-112.91	-415.05
156	6	656.24	1097.85	-2.60e-03	0.0	0.0	-6.56	-7.83	-26.73	4.23	1097.85	656.24
		413.26	279.21	0.01	0.0	32.0	-6.56	-7.83	-26.73	4.23	279.21	413.26
156	7	906.65	1120.19	2.40e-04	0.0	0.0	-5.14	-10.49	-25.17	3.53	1120.19	906.65
		583.02	330.32	-0.02	0.0	32.0	-5.14	-10.49	-25.17	3.53	330.32	583.02
156	8	-131.96	425.13	9.95e-04	0.0	0.0	-10.18	0.84	-14.24	-0.46	425.13	-157.33
		-157.33	-35.98	-9.13e-03	0.0	32.0	-10.18	0.84	-14.24	-0.46	-35.98	-131.96
156	9	-131.96	425.13	9.95e-04	0.0	0.0	-10.18	0.84	-14.24	-0.46	425.13	-157.33
		-157.33	-35.98	-9.13e-03	0.0	32.0	-10.18	0.84	-14.24	-0.46	-35.98	-131.96
156	10	238.55	374.34	-8.26e-04	0.0	0.0	-2.09	-2.85	-8.99	1.41	374.34	238.55
		149.97	98.51	3.93e-03	0.0	32.0	-2.09	-2.85	-8.99	1.41	98.51	149.97
156	11	338.60	391.65	8.06e-05	0.0	0.0	-1.64	-3.86	-8.83	1.23	391.65	338.60
		218.92	113.96	-4.96e-03	0.0	32.0	-1.64	-3.86	-8.83	1.23	113.96	218.92
156	12	-30.45	77.74	8.85e-05	0.0	0.0	-24.83	0.15	-2.94	-0.04	77.74	-35.28
		-35.28	-16.45	-7.10e-05	0.0	32.0	-24.83	0.15	-2.94	-0.04	-16.45	-30.45
156	13	3.616e+04	1417.05	-0.04	0.0	0.0	-0.38	-314.38	-48.37	-6.70	1417.05	3.616e+04
		2.610e+04	-130.68	8.88e-03	0.0	32.0	-0.38	-314.38	-48.37	-6.70	-130.68	2.610e+04
157	1	1107.10	577.40	-0.03	-16.62	0.0	-0.08	38.76	-8.06	0.52	577.40	-3917.31
		-3917.31	-460.69	0.06	3.53	165.0	-0.08	22.14	-4.53	0.52	-460.69	1107.10
157	2	4014.70	1395.00	-0.09	0.0	0.0	-1.26	88.77	-16.62	0.94	1395.00	-1.063e+04
		-1.063e+04	-1346.89	0.17	0.0	165.0	-1.26	88.77	-16.62	0.94	-1346.89	4014.70
157	3	7853.60	2728.91	-0.18	0.0	0.0	-2.47	173.66	-32.51	1.84	2728.91	-2.080e+04
		-2.080e+04	-2634.81	0.33	0.0	165.0	-2.47	173.66	-32.51	1.84	-2634.81	7853.60
157	4	-109.38	625.84	0.01	0.0	0.0	-23.13	2.09	-7.05	-1.67	625.84	-415.10
		-415.10	-537.89	-0.10	0.0	165.0	-23.13	2.09	-7.05	-1.67	-537.89	-109.38
157	5	-109.38	625.84	0.01	0.0	0.0	-23.13	2.09	-7.05	-1.67	625.84	-415.10
		-415.10	-537.89	-0.10	0.0	165.0	-23.13	2.09	-7.05	-1.67	-537.89	-109.38
157	6	412.84	1342.73	-0.01	0.0	0.0	-5.01	-4.89	-15.37	2.93	1342.73	412.84
		-428.08	-1195.78	0.17	0.0	165.0	-5.01	-4.89	-15.37	2.93	-1195.78	-428.08
157	7	582.53	1508.50	2.47e-03	0.0	0.0	-3.62	-6.60	-17.67	-2.14	1508.50	582.53
		553.79	-1409.04	0.03	0.0	165.0	-3.62	-6.60	-17.67	-2.14	-1409.04	553.79
157	8	-34.80	199.53	3.61e-03	0.0	0.0	-7.36	0.67	-2.25	-0.53	199.53	-131.98
		-131.98	-171.40	-0.03	0.0	165.0	-7.36	0.67	-2.25	-0.53	-171.40	-34.80
157	9	-34.80	199.53	3.61e-03	0.0	0.0	-7.36	0.67	-2.25	-0.53	199.53	-131.98
		-131.98	-171.40	-0.03	0.0	165.0	-7.36	0.67	-2.25	-0.53	-171.40	-34.80
157	10	149.80	464.87	-4.35e-03	0.0	0.0	-1.59	-1.79	-5.34	0.94	464.87	149.80
		-158.04	-417.36	0.05	0.0	165.0	-1.59	-1.79	-5.34	0.94	-417.36	-158.04
157	11	218.73	523.32	1.05e-03	0.0	0.0	-1.16	-2.45	-6.15	-0.70	523.32	218.73
		201.83	-492.25	9.65e-03	0.0	165.0	-1.16	-2.45	-6.15	-0.70	-492.25	201.83
157	12	-6.84	-0.33	-1.29e-04	0.0	0.0	-24.72	0.14	0.02	-4.04e-04	-3.50	-30.44
		-30.44	-3.50	1.61e-04	0.0	165.0	-24.72	0.14	0.02	-4.04e-04	-0.33	-6.84
157	13	2.610e+04	950.76	0.20	0.0	0.0	-1.27	-216.52	-10.52	0.68	950.76	2.610e+04
		-9625.49	-785.41	0.15	0.0	165.0	-1.27	-216.52	-10.52	0.68	-785.41	-9625.49
158	1	1713.65	-18.51	-0.01	-16.62	0.0	-0.04	11.06	-2.13	0.10	-18.51	1106.94
		1106.94	-124.64	9.39e-03	3.53	165.0	-0.04	-5.56	1.40	0.10	-79.05	1561.01
158	2	5210.02	-177.08	-0.03	0.0	0.0	-1.11	7.25	-0.97	0.39	-177.08	4014.50
		4014.50	-337.30	0.02	0.0	165.0	-1.11	7.25	-0.97	0.39	-337.30	5210.02
158	3	1.019e+04	-346.41	-0.07	0.0	0.0	-2.18	14.17	-1.90	0.77	-346.41	7853.20
		7853.20	-659.84	0.05	0.0	165.0	-2.18	14.17	-1.90	0.77	-659.84	1.019e+04
158	4	204.05	625.65	0.01	0.0	0.0	-11.33	1.64	-7.68	-1.64	625.65	-109.60
		-109.60	-643.23	-0.11	0.0	165.0	-11.33	1.64	-7.68	-1.64	-643.23	204.05
158	5	204.05	625.65	0.01	0.0	0.0	-11.33	1.64	-7.68	-1.64	625.65	-109.60
		-109.60	-643.23	-0.11	0.0	165.0	-11.33	1.64	-7.68	-1.64	-643.23	204.05
158	6	-412.30	682.79	-0.01	0.0	0.0	-3.10	-0.59	-9.06	2.87	682.79	-428.41
		-428.41	-840.10	0.14	0.0	165.0	-3.10	-0.59	-9.06	2.87	-840.10	-412.30
158	7	554.06	574.95	8.12e-03	0.0	0.0	-1.96	-0.41	-7.33	-2.30	574.95	554.06
		-540.04	-716.38	-0.06	0.0	165.0	-1.96	-0.41	-7.33	-2.30	-716.38	-540.04
158	8	64.89	199.40	3.39e-03	0.0	0.0	-3.60	0.52	-2.45	-0.52	199.40	-34.87
		-34.87	-205.00	-0.03	0.0	165.0	-3.60	0.52	-2.45	-0.52	-205.00	64.89
158	9	64.89	199.40	3.39e-03	0.0	0.0	-3.60	0.52	-2.45	-0.52	199.40	-34.87
		-34.87	-205.00	-0.03	0.0	165.0	-3.60	0.52	-2.45	-0.52	-205.00	64.89
158	10	-151.05	225.74	-4.19e-03	0.0	0.0	-0.99	-0.22	-3.00	0.91	225.74	-158.18

		-158.18	-280.98	0.05	0.0	165.0	-0.99	-0.22	-3.00	0.91	-280.98	-151.05
158	11	201.96	189.46	2.62e-03	0.0	0.0	-0.64	-0.14	-2.40	-0.74	189.46	201.96
		-198.19	-237.75	-0.02	0.0	165.0	-0.64	-0.14	-2.40	-0.74	-237.75	-198.19
158	12	14.31	3.68	-4.25e-04	0.0	0.0	-24.66	0.13	-0.04	0.02	3.68	-6.85
		-6.85	-3.26	1.00e-04	0.0	165.0	-24.66	0.13	-0.04	0.02	-3.26	14.31
158	13	-9626.03	984.37	0.07	0.0	0.0	-1.09	-17.80	-11.87	1.45	984.37	-9626.03
		-1.256e+04	-973.80	0.18	0.0	165.0	-1.09	-17.80	-11.87	1.45	-973.80	-1.256e+04
159	1	1560.96	508.76	0.03	-16.62	0.0	-0.07	-16.60	3.81	-0.41	-410.85	1560.96
		-2548.91	-410.85	-0.05	3.53	165.0	-0.07	-33.22	7.34	-0.41	508.76	-2548.91
159	2	5209.78	1214.30	0.10	0.0	0.0	-1.23	-74.21	14.72	-0.54	-1215.07	5209.78
		-7035.68	-1215.07	-0.15	0.0	165.0	-1.23	-74.21	14.72	-0.54	1214.30	-7035.68
159	3	1.019e+04	2375.42	0.20	0.0	0.0	-2.41	-145.18	28.80	-1.06	-2376.94	1.019e+04
		-1.376e+04	-2376.94	-0.28	0.0	165.0	-2.41	-145.18	28.80	-1.06	2375.42	-1.376e+04
159	4	442.59	450.14	0.02	0.0	0.0	0.52	1.60	-5.98	-1.88	450.14	203.74
		203.74	-537.18	-0.13	0.0	165.0	0.52	1.60	-5.98	-1.88	-537.18	442.59
159	5	442.59	450.14	0.02	0.0	0.0	0.52	1.60	-5.98	-1.88	450.14	203.74
		203.74	-537.18	-0.13	0.0	165.0	0.52	1.60	-5.98	-1.88	-537.18	442.59
159	6	493.33	814.22	-0.01	0.0	0.0	-1.62	5.22	9.48	2.92	-759.60	-412.10
		-412.10	-759.60	0.08	0.0	165.0	-1.62	5.22	9.48	2.92	814.22	493.33
159	7	575.48	1118.87	0.01	0.0	0.0	-1.49	6.69	13.44	-2.69	-1104.98	-539.83
		-539.83	-1104.98	-0.15	0.0	165.0	-1.49	6.69	13.44	-2.69	1118.87	575.48
159	8	140.72	143.46	5.28e-03	0.0	0.0	0.17	0.51	-1.91	-0.60	143.46	64.79
		64.79	-171.29	-0.04	0.0	165.0	0.17	0.51	-1.91	-0.60	-171.29	140.72
159	9	140.72	143.46	5.28e-03	0.0	0.0	0.17	0.51	-1.91	-0.60	143.46	64.79
		64.79	-171.29	-0.04	0.0	165.0	0.17	0.51	-1.91	-0.60	-171.29	140.72
159	10	183.93	291.64	-4.05e-03	0.0	0.0	-0.53	1.93	3.43	0.94	-277.60	-150.97
		-150.97	-277.60	0.02	0.0	165.0	-0.53	1.93	3.43	0.94	291.64	183.93
159	11	213.28	400.55	3.54e-03	0.0	0.0	-0.48	2.47	4.83	-0.87	-397.21	-198.10
		-198.10	-397.21	-0.05	0.0	165.0	-0.48	2.47	4.83	-0.87	400.55	213.28
159	12	36.23	1.30	1.64e-04	0.0	0.0	-24.60	0.13	3.61e-03	-1.53e-03	0.71	14.30
		14.30	0.71	8.53e-05	0.0	165.0	-24.60	0.13	3.61e-03	-1.53e-03	1.30	36.23
159	13	1.725e+04	831.47	-0.26	0.0	0.0	-1.04	180.68	-11.93	3.28	831.47	-1.256e+04
		-1.256e+04	-1136.59	0.14	0.0	165.0	-1.04	180.68	-11.93	3.28	-1136.59	1.725e+04
160	1	-2548.93	250.37	9.71e-04	-3.32	0.0	-0.31	-44.02	2.14	-3.58	168.04	-2548.93
		-4056.47	168.04	-2.07e-03	0.71	33.0	-0.31	-47.34	2.85	-3.58	250.37	-4056.47
160	2	-7035.81	796.29	2.74e-03	0.0	0.0	-1.53	-114.89	14.65	-4.48	312.96	-7035.81
		-1.083e+04	312.96	-5.91e-03	0.0	33.0	-1.53	-114.89	14.65	-4.48	796.29	-1.083e+04
160	3	-1.376e+04	1557.72	5.36e-03	0.0	0.0	-2.99	-224.75	28.65	-8.77	612.21	-1.376e+04
		-2.118e+04	612.21	-0.01	0.0	33.0	-2.99	-224.75	28.65	-8.77	1557.72	-2.118e+04
160	4	491.89	125.37	4.31e-03	0.0	0.0	9.36	1.67	-40.60	-2.41	125.37	442.59
		442.59	-1224.13	-0.03	0.0	33.0	9.36	1.67	-40.60	-2.41	-1224.13	491.89
160	5	491.89	125.37	4.31e-03	0.0	0.0	9.36	1.67	-40.60	-2.41	125.37	442.59
		442.59	-1224.13	-0.03	0.0	33.0	9.36	1.67	-40.60	-2.41	-1224.13	491.89
160	6	763.11	668.67	-2.61e-03	0.0	0.0	-1.67	8.44	16.64	3.04	170.96	493.44
		493.44	170.96	0.01	0.0	33.0	-1.67	8.44	16.64	3.04	668.67	763.11
160	7	925.80	990.57	2.17e-03	0.0	0.0	-2.65	10.70	25.59	-4.61	218.02	575.75
		575.75	218.02	-0.02	0.0	33.0	-2.65	10.70	25.59	-4.61	990.57	925.80
160	8	156.39	39.92	1.37e-03	0.0	0.0	2.98	0.53	-12.91	-0.77	39.92	140.72
		140.72	-389.35	-9.61e-03	0.0	33.0	2.98	0.53	-12.91	-0.77	-389.35	156.39
160	9	156.39	39.92	1.37e-03	0.0	0.0	2.98	0.53	-12.91	-0.77	39.92	140.72
		140.72	-389.35	-9.61e-03	0.0	33.0	2.98	0.53	-12.91	-0.77	-389.35	156.39
160	10	283.09	238.62	-8.36e-04	0.0	0.0	-0.54	3.10	5.89	1.05	60.47	183.97
		183.97	60.47	4.06e-03	0.0	33.0	-0.54	3.10	5.89	1.05	238.62	283.09
160	11	341.81	345.34	6.80e-04	0.0	0.0	-0.85	3.92	8.73	-1.54	78.90	213.39
		213.39	78.90	-7.29e-03	0.0	33.0	-0.85	3.92	8.73	-1.54	345.34	341.81
160	12	40.83	8.45	1.82e-04	0.0	0.0	-24.54	0.14	-1.43	-0.03	8.45	36.24
		36.24	-38.83	3.75e-05	0.0	33.0	-24.54	0.14	-1.43	-0.03	-38.83	40.83
160	13	2.641e+04	-157.09	-8.19e-03	0.0	0.0	-0.30	277.51	11.17	8.82	-525.78	1.725e+04
		1.725e+04	-525.78	2.91e-03	0.0	33.0	-0.30	277.51	11.17	8.82	-157.09	2.641e+04
161	1	-2538.39	268.32	-5.01e-03	-3.22	0.0	-0.33	49.28	-2.97	3.69	268.32	-4063.63
		-4063.63	184.14	2.06e-03	0.69	32.0	-0.33	46.05	-2.29	3.69	184.14	-2538.39
161	2	-6997.81	847.89	-0.01	0.0	0.0	-1.63	120.26	-15.49	4.87	847.89	-1.085e+04
		-1.085e+04	352.16	5.92e-03	0.0	32.0	-1.63	120.26	-15.49	4.87	352.16	-6997.81
161	3	-1.369e+04	1658.66	-0.03	0.0	0.0	-3.19	235.26	-30.31	9.52	1658.66	-2.122e+04
		-2.122e+04	688.89	0.01	0.0	32.0	-3.19	235.26	-30.31	9.52	688.89	-1.369e+04
161	4	-533.79	1335.86	4.04e-03	0.0	0.0	-24.42	2.48	-44.46	-1.83	1335.86	-611.41
		-611.41	-111.27	-0.03	0.0	32.0	-24.42	2.48	-44.46	-1.83	-111.27	-533.79
161	5	-533.79	1335.86	4.04e-03	0.0	0.0	-24.42	2.48	-44.46	-1.83	1335.86	-611.41
		-611.41	-111.27	-0.03	0.0	32.0	-24.42	2.48	-44.46	-1.83	-111.27	-533.79
161	6	802.32	1018.64	-2.88e-03	0.0	0.0	-5.46	-8.68	-26.39	4.72	1018.64	802.32
		527.80	198.30	0.02	0.0	32.0	-5.46	-8.68	-26.39	4.72	198.30	527.80
161	7	894.82	707.29	1.78e-03	0.0	0.0	-3.84	-10.40	-17.37	3.52	707.29	894.82
		571.24	171.97	-0.02	0.0	32.0	-3.84	-10.40	-17.37	3.52	171.97	571.24
161	8	-169.72	424.79	1.28e-03	0.0	0.0	-7.76	0.79	-14.14	-0.58	424.79	-194.40
		-194.40	-35.38	-9.03e-03	0.0	32.0	-7.76	0.79	-14.14	-0.58	-35.38	-169.72
161	9	-169.72	424.79	1.28e-03	0.0	0.0	-7.76	0.79	-14.14	-0.58	424.79	-194.40

		-194.40	-35.38	-9.03e-03	0.0	32.0	-7.76	0.79	-14.14	-0.58	-35.38	-169.72
161	10	294.05	337.46	-9.08e-04	0.0	0.0	-1.74	-3.17	-8.70	1.57	337.46	294.05
		193.74	67.64	5.51e-03	0.0	32.0	-1.74	-3.17	-8.70	1.57	67.64	193.74
161	11	333.64	249.07	5.69e-04	0.0	0.0	-1.22	-3.83	-6.10	1.25	249.07	333.64
		213.98	60.46	-5.24e-03	0.0	32.0	-1.22	-3.83	-6.10	1.25	60.46	213.98
161	12	-29.14	39.73	1.83e-04	0.0	0.0	-29.38	0.10	-1.50	-0.03	39.73	-32.38
		-32.38	-8.40	-3.62e-05	0.0	32.0	-29.38	0.10	-1.50	-0.03	-8.40	-29.14
161	13	2.644e+04	868.68	0.03	0.0	0.0	-1.41	-290.69	-34.07	-6.76	868.68	2.644e+04
		1.714e+04	-221.61	4.71e-03	0.0	32.0	-1.41	-290.69	-34.07	-6.76	-221.61	1.714e+04
162	1	1906.96	542.47	-0.05	-16.62	0.0	-0.10	35.25	-7.69	0.45	542.47	-2538.53
		-2538.53	-435.22	0.06	3.53	165.0	-0.10	18.63	-4.16	0.45	-435.22	1906.96
162	2	6134.29	1300.06	-0.15	0.0	0.0	-1.33	79.59	-15.62	0.83	1300.06	-6998.04
		-6998.04	-1277.39	0.16	0.0	165.0	-1.33	79.59	-15.62	0.83	-1277.39	6134.29
162	3	1.200e+04	2543.19	-0.30	0.0	0.0	-2.59	155.69	-30.56	1.62	2543.19	-1.369e+04
		-1.369e+04	-2498.84	0.30	0.0	165.0	-2.59	155.69	-30.56	1.62	-2498.84	1.200e+04
162	4	-179.94	651.48	0.02	0.0	0.0	-15.54	2.19	-7.21	-1.89	651.48	-533.81
		-533.81	-539.39	-0.12	0.0	165.0	-15.54	2.19	-7.21	-1.89	-539.39	-179.94
162	5	-179.94	651.48	0.02	0.0	0.0	-15.54	2.19	-7.21	-1.89	651.48	-533.81
		-533.81	-539.39	-0.12	0.0	165.0	-15.54	2.19	-7.21	-1.89	-539.39	-179.94
162	6	527.71	1127.46	-0.02	0.0	0.0	-3.97	-5.44	-13.12	3.25	1127.46	527.71
		-384.30	-1041.26	0.19	0.0	165.0	-3.97	-5.44	-13.12	3.25	-1041.26	-384.30
162	7	571.23	852.82	8.82e-03	0.0	0.0	-2.52	-6.47	-10.32	-2.75	852.82	571.23
		-535.08	-853.06	-0.04	0.0	165.0	-2.52	-6.47	-10.32	-2.75	-853.06	-535.08
162	8	-57.24	207.23	4.94e-03	0.0	0.0	-4.94	0.70	-2.29	-0.60	207.23	-169.73
		-169.73	-171.59	-0.04	0.0	165.0	-4.94	0.70	-2.29	-0.60	-171.59	-57.24
162	9	-57.24	207.23	4.94e-03	0.0	0.0	-4.94	0.70	-2.29	-0.60	207.23	-169.73
		-169.73	-171.59	-0.04	0.0	165.0	-4.94	0.70	-2.29	-0.60	-171.59	-57.24
162	10	193.70	376.98	-5.49e-03	0.0	0.0	-1.26	-2.00	-4.41	1.06	376.98	193.70
		-140.49	-352.32	0.06	0.0	165.0	-1.26	-2.00	-4.41	1.06	-352.32	-140.49
162	11	213.97	299.73	2.93e-03	0.0	0.0	-0.81	-2.40	-3.63	-0.90	299.73	213.97
		-195.96	-301.04	-0.01	0.0	165.0	-0.81	-2.40	-3.63	-0.90	-301.04	-195.96
162	12	-13.57	-0.20	3.38e-04	0.0	0.0	-29.32	0.09	8.89e-03	-9.23e-03	-1.67	-29.12
		-29.12	-1.67	9.00e-05	0.0	165.0	-29.32	0.09	8.89e-03	-9.23e-03	-0.20	-13.57
162	13	1.714e+04	294.20	0.37	0.0	0.0	-2.18	-193.87	-3.43	-1.05	294.20	1.714e+04
		-1.485e+04	-271.82	0.06	0.0	165.0	-2.18	-193.87	-3.43	-1.05	-271.82	-1.485e+04
163	1	2193.43	-48.59	-0.01	-16.62	0.0	-0.06	7.60	-1.77	-0.03	-48.59	1906.88
		1790.71	-121.59	6.25e-03	3.53	165.0	-0.06	-9.01	1.76	-0.03	-48.90	1790.71
163	2	6134.25	-254.80	-0.03	0.0	0.0	-1.19	-1.88	0.03	-0.10	-259.42	6134.25
		5823.41	-259.42	0.01	0.0	165.0	-1.19	-1.88	0.03	-0.10	-254.80	5823.41
163	3	1.200e+04	-498.44	-0.06	0.0	0.0	-2.33	-3.69	0.05	-0.20	-507.47	1.200e+04
		1.139e+04	-507.47	0.03	0.0	165.0	-2.33	-3.69	0.05	-0.20	-498.44	1.139e+04
163	4	153.53	714.04	0.01	0.0	0.0	-3.74	1.96	-8.64	-1.83	714.04	-180.29
		-180.29	-712.00	-0.13	0.0	165.0	-3.74	1.96	-8.64	-1.83	-712.00	153.53
163	5	153.53	714.04	0.01	0.0	0.0	-3.74	1.96	-8.64	-1.83	714.04	-180.29
		-180.29	-712.00	-0.13	0.0	165.0	-3.74	1.96	-8.64	-1.83	-712.00	153.53
163	6	-384.28	692.40	-0.02	0.0	0.0	-2.25	0.46	-8.27	3.07	692.40	-384.28
		-418.06	-713.48	0.14	0.0	165.0	-2.25	0.46	-8.27	3.07	-713.48	-418.06
163	7	-535.04	-411.40	0.01	0.0	0.0	-1.67	-0.44	5.49	-2.75	-554.63	-535.04
		-554.38	-554.63	-0.12	0.0	165.0	-1.67	-0.44	5.49	-2.75	-411.40	-554.38
163	8	48.83	227.07	4.08e-03	0.0	0.0	-1.19	0.62	-2.75	-0.58	227.07	-57.36
		-57.36	-226.43	-0.04	0.0	165.0	-1.19	0.62	-2.75	-0.58	-226.43	48.83
163	9	48.83	227.07	4.08e-03	0.0	0.0	-1.19	0.62	-2.75	-0.58	227.07	-57.36
		-57.36	-226.43	-0.04	0.0	165.0	-1.19	0.62	-2.75	-0.58	-226.43	48.83
163	10	-140.50	242.80	-5.47e-03	0.0	0.0	-0.72	0.16	-2.81	1.00	242.80	-140.50
		-152.12	-237.13	0.04	0.0	165.0	-0.72	0.16	-2.81	1.00	-237.13	-152.12
163	11	-195.96	-138.52	4.11e-03	0.0	0.0	-0.54	-0.15	1.86	-0.88	-189.95	-195.96
		-204.88	-189.95	-0.04	0.0	165.0	-0.54	-0.15	1.86	-0.88	-138.52	-204.88
163	12	-0.46	1.63	-2.33e-04	0.0	0.0	-29.30	0.08	-0.02	9.00e-03	1.63	-13.57
		-13.57	-1.18	7.05e-05	0.0	165.0	-29.30	0.08	-0.02	9.00e-03	-1.18	-0.46
163	13	-1.410e+04	359.54	0.07	0.0	0.0	-2.08	4.57	-4.30	0.93	359.54	-1.485e+04
		-1.485e+04	-349.48	0.06	0.0	165.0	-2.08	4.57	-4.30	0.93	-349.48	-1.410e+04
164	1	1790.83	541.82	0.05	-16.62	0.0	-0.10	-20.07	4.16	-0.49	-436.07	1790.83
		-2891.73	-436.07	-0.06	3.53	165.0	-0.10	-36.69	7.69	-0.49	541.82	-2891.73
164	2	5823.56	1304.81	0.15	0.0	0.0	-1.33	-83.43	15.69	-0.93	-1284.04	5823.56
		-7942.18	-1284.04	-0.16	0.0	165.0	-1.33	-83.43	15.69	-0.93	1304.81	-7942.18
164	3	1.139e+04	2552.48	0.29	0.0	0.0	-2.60	-163.20	30.69	-1.81	-2511.86	1.139e+04
		-1.554e+04	-2511.86	-0.31	0.0	165.0	-2.60	-163.20	30.69	-1.81	2552.48	-1.554e+04
164	4	481.68	549.18	0.02	0.0	0.0	8.05	2.03	-7.35	-2.01	549.18	153.18
		153.18	-663.69	-0.13	0.0	165.0	8.05	2.03	-7.35	-2.01	-663.69	481.68
164	5	481.68	549.18	0.02	0.0	0.0	8.05	2.03	-7.35	-2.01	549.18	153.18
		153.18	-663.69	-0.13	0.0	165.0	8.05	2.03	-7.35	-2.01	-663.69	481.68
164	6	494.62	1008.16	-0.01	0.0	0.0	-1.77	5.28	11.64	2.89	-917.49	-417.76
		-417.76	-917.49	0.07	0.0	165.0	-1.77	5.28	11.64	2.89	1008.16	494.62
164	7	519.73	1122.88	0.02	0.0	0.0	-2.80	6.14	13.21	-3.06	-1057.99	-554.05
		-554.05	-1057.99	-0.19	0.0	165.0	-2.80	6.14	13.21	-3.06	1122.88	519.73
164	8	153.15	174.64	5.25e-03	0.0	0.0	2.56	0.65	-2.34	-0.64	174.64	48.72

		48.72	-211.06	-0.04	0.0	165.0	2.56	0.65	-2.34	-0.64	-211.06	153.15
164	9	153.15	174.64	5.25e-03	0.0	0.0	2.56	0.65	-2.34	-0.64	174.64	48.72
		48.72	-211.06	-0.04	0.0	165.0	2.56	0.65	-2.34	-0.64	-211.06	153.15
164	10	183.98	374.52	-4.52e-03	0.0	0.0	-0.57	1.95	4.33	0.94	-341.18	-152.00
		-152.00	-341.18	0.02	0.0	165.0	-0.57	1.95	4.33	0.94	374.52	183.98
164	11	190.24	392.13	5.16e-03	0.0	0.0	-0.89	2.26	4.61	-1.00	-369.46	-204.75
		-204.75	-369.46	-0.06	0.0	165.0	-0.89	2.26	4.61	-1.00	392.13	190.24
164	12	11.61	0.54	-2.59e-04	0.0	0.0	-29.28	0.07	-6.58e-03	8.71e-03	0.54	-0.46
		-0.46	-0.55	5.59e-05	0.0	165.0	-29.28	0.07	-6.58e-03	8.71e-03	-0.55	11.61
164	13	1.942e+04	315.74	-0.37	0.0	0.0	-2.09	203.17	-4.76	2.69	315.74	-1.410e+04
		-1.410e+04	-470.12	0.05	0.0	165.0	-2.09	203.17	-4.76	2.69	-470.12	1.942e+04
165	1	-2891.64	270.57	3.24e-03	-3.32	0.0	-0.34	-47.55	2.48	-3.74	176.97	-2891.64
		-4515.77	176.97	-2.22e-03	0.71	33.0	-0.34	-50.88	3.19	-3.74	270.57	-4515.77
165	2	-7942.05	850.80	8.70e-03	0.0	0.0	-1.64	-124.26	15.54	-5.03	337.82	-7942.05
		-1.204e+04	337.82	-6.34e-03	0.0	33.0	-1.64	-124.26	15.54	-5.03	850.80	-1.204e+04
165	3	-1.554e+04	1664.34	0.02	0.0	0.0	-3.20	-243.08	30.41	-9.85	660.86	-1.554e+04
		-2.356e+04	660.86	-0.01	0.0	33.0	-3.20	-243.08	30.41	-9.85	1664.34	-2.356e+04
165	4	551.31	123.31	5.43e-03	0.0	0.0	16.95	2.12	-41.95	-2.23	123.31	481.67
		481.67	-1293.46	-0.03	0.0	33.0	16.95	2.12	-41.95	-2.23	-1293.46	551.31
165	5	551.31	123.31	5.43e-03	0.0	0.0	16.95	2.12	-41.95	-2.23	123.31	481.67
		481.67	-1293.46	-0.03	0.0	33.0	16.95	2.12	-41.95	-2.23	-1293.46	551.31
165	6	778.30	763.43	-2.67e-03	0.0	0.0	-2.69	8.85	17.11	-2.76	230.42	494.70
		494.70	230.42	0.02	0.0	33.0	-2.69	8.85	17.11	-2.76	763.43	778.30
165	7	831.98	1005.19	3.04e-03	0.0	0.0	-4.21	9.80	25.55	-4.95	208.24	519.91
		519.91	208.24	-0.02	0.0	33.0	-4.21	9.80	25.55	-4.95	1005.19	831.98
165	8	175.28	39.21	1.73e-03	0.0	0.0	5.39	0.67	-13.34	-0.71	39.21	153.14
		153.14	-411.28	-0.01	0.0	33.0	5.39	0.67	-13.34	-0.71	-411.28	175.28
165	9	175.28	39.21	1.73e-03	0.0	0.0	5.39	0.67	-13.34	-0.71	39.21	153.14
		153.14	-411.28	-0.01	0.0	33.0	5.39	0.67	-13.34	-0.71	-411.28	175.28
165	10	288.24	280.08	-8.66e-04	0.0	0.0	-0.86	3.24	6.17	-0.95	85.80	184.01
		184.01	85.80	5.05e-03	0.0	33.0	-0.86	3.24	6.17	-0.95	280.08	288.24
165	11	304.45	340.12	9.66e-04	0.0	0.0	-1.34	3.58	8.47	-1.66	76.56	190.31
		190.31	76.56	-6.82e-03	0.0	33.0	-1.34	3.58	8.47	-1.66	340.12	304.45
165	12	14.03	-0.10	-1.05e-05	0.0	0.0	-29.28	0.07	-2.22e-03	4.92e-03	-0.10	11.60
		11.60	-0.17	1.46e-06	0.0	33.0	-29.28	0.07	-2.22e-03	4.92e-03	-0.17	14.03
165	13	2.933e+04	336.74	-0.02	0.0	0.0	-1.32	300.30	22.20	8.63	-395.97	1.942e+04
		1.942e+04	-395.97	-9.24e-04	0.0	33.0	-1.32	300.30	22.20	8.63	336.74	2.933e+04
166	1	-2936.77	267.67	-3.04e-03	-3.22	0.0	-0.33	50.95	-2.87	3.84	267.67	-4515.76
		-4515.76	186.87	2.06e-03	0.69	32.0	-0.33	47.73	-2.18	3.84	186.87	-2936.77
166	2	-8052.54	848.18	-8.22e-03	0.0	0.0	-1.63	124.69	-15.23	5.17	848.18	-1.204e+04
		-1.204e+04	360.77	5.93e-03	0.0	32.0	-1.63	124.69	-15.23	5.17	360.77	-8052.54
166	3	-1.575e+04	1659.22	-0.02	0.0	0.0	-3.19	243.92	-29.80	10.11	1659.22	-2.356e+04
		-2.356e+04	705.74	0.01	0.0	32.0	-3.19	243.92	-29.80	10.11	705.74	-1.575e+04
166	4	-483.77	1319.68	3.55e-03	0.0	0.0	-16.89	2.12	-43.94	-2.23	1319.68	-551.28
		-551.28	-122.36	-0.03	0.0	32.0	-16.89	2.12	-43.94	-2.23	-122.36	-483.77
166	5	-483.77	1319.68	3.55e-03	0.0	0.0	-16.89	2.12	-43.94	-2.23	1319.68	-551.28
		-551.28	-122.36	-0.03	0.0	32.0	-16.89	2.12	-43.94	-2.23	-122.36	-483.77
166	6	823.80	1009.74	-2.94e-03	0.0	0.0	-4.18	-9.86	-25.98	5.01	1009.74	823.80
		518.51	223.31	0.02	0.0	32.0	-4.18	-9.86	-25.98	5.01	223.31	518.51
166	7	787.17	766.37	2.59e-03	0.0	0.0	-2.69	-9.01	-17.39	2.79	766.37	787.17
		506.73	242.94	-0.02	0.0	32.0	-2.69	-9.01	-17.39	2.79	242.94	506.73
166	8	-153.81	419.61	1.13e-03	0.0	0.0	-5.37	0.67	-13.97	-0.71	419.61	-175.27
		-175.27	-38.91	-0.01	0.0	32.0	-5.37	0.67	-13.97	-0.71	-38.91	-153.81
166	9	-153.81	419.61	1.13e-03	0.0	0.0	-5.37	0.67	-13.97	-0.71	419.61	-175.27
		-175.27	-38.91	-0.01	0.0	32.0	-5.37	0.67	-13.97	-0.71	-38.91	-153.81
166	10	301.26	341.59	-9.37e-04	0.0	0.0	-1.33	-3.61	-8.60	1.68	341.59	301.26
		189.57	81.82	6.56e-03	0.0	32.0	-1.33	-3.61	-8.60	1.68	81.82	189.57
166	11	291.67	281.00	8.39e-04	0.0	0.0	-0.86	-3.30	-6.26	0.96	281.00	291.67
		188.52	90.48	-4.92e-03	0.0	32.0	-0.86	-3.30	-6.26	0.96	90.48	188.52
166	12	14.03	-0.08	9.89e-06	0.0	0.0	-29.28	-0.07	4.71e-03	-4.96e-03	-0.23	14.03
		11.68	-0.23	-1.37e-06	0.0	32.0	-29.28	-0.07	4.71e-03	-4.96e-03	-0.08	11.68
166	13	2.933e+04	345.82	0.02	0.0	0.0	-1.33	-301.34	-23.35	-8.84	345.82	2.933e+04
		1.969e+04	-401.28	7.99e-04	0.0	32.0	-1.33	-301.34	-23.35	-8.84	-401.28	1.969e+04
167	1	1775.20	546.37	-0.05	-16.62	0.0	-0.09	36.87	-7.73	0.49	546.37	-2936.86
		-2936.86	-437.93	0.06	3.53	165.0	-0.09	20.25	-4.20	0.49	-437.93	1775.20
167	2	5784.88	1314.54	-0.15	0.0	0.0	-1.32	83.86	-15.77	0.92	1314.54	-8052.67
		-8052.67	-1287.68	0.16	0.0	165.0	-1.32	83.86	-15.77	0.92	-1287.68	5784.88
167	3	1.132e+04	2571.51	-0.29	0.0	0.0	-2.59	164.06	-30.85	1.81	2571.51	-1.575e+04
		-1.575e+04	-2518.98	0.31	0.0	165.0	-2.59	164.06	-30.85	1.81	-2518.98	1.132e+04
167	4	-155.07	663.60	0.02	0.0	0.0	-8.02	2.03	-7.34	-2.01	663.60	-483.78
		-483.78	-547.89	-0.13	0.0	165.0	-8.02	2.03	-7.34	-2.01	-547.89	-155.07
167	5	-155.07	663.60	0.02	0.0	0.0	-8.02	2.03	-7.34	-2.01	663.60	-483.78
		-483.78	-547.89	-0.13	0.0	165.0	-8.02	2.03	-7.34	-2.01	-547.89	-155.07
167	6	518.33	1127.68	-0.02	0.0	0.0	-2.78	-6.18	-13.24	3.05	1127.68	518.33
		-559.62	-1058.55	0.19	0.0	165.0	-2.78	-6.18	-13.24	3.05	-1058.55	-559.62
167	7	506.66	1009.15	0.01	0.0	0.0	-1.78	-5.46	-11.63	-2.90	1009.15	506.66

		-433.82	-915.25	-0.07	0.0	165.0	-1.78	-5.46	-11.63	-2.90	-915.25	-433.82
167	8	-49.32	211.03	5.27e-03	0.0	0.0	-2.55	0.65	-2.33	-0.64	211.03	-153.81
		-153.81	-174.23	-0.04	0.0	165.0	-2.55	0.65	-2.33	-0.64	-174.23	-49.32
167	9	-49.32	211.03	5.27e-03	0.0	0.0	-2.55	0.65	-2.33	-0.64	211.03	-153.81
		-153.81	-174.23	-0.04	0.0	165.0	-2.55	0.65	-2.33	-0.64	-174.23	-49.32
167	10	189.49	393.73	-5.17e-03	0.0	0.0	-0.89	-2.28	-4.62	0.99	393.73	189.49
		-206.95	-369.58	0.06	0.0	165.0	-0.89	-2.28	-4.62	0.99	-369.58	-206.95
167	11	188.49	374.84	4.51e-03	0.0	0.0	-0.57	-2.02	-4.33	-0.94	374.84	188.49
		-158.36	-340.28	-0.02	0.0	165.0	-0.57	-2.02	-4.33	-0.94	-340.28	-158.36
167	12	11.68	0.54	2.58e-04	0.0	0.0	-29.28	-0.07	6.61e-03	-8.66e-03	-0.55	11.68
		-0.39	-0.55	-5.58e-05	0.0	165.0	-29.28	-0.07	6.61e-03	-8.66e-03	0.54	-0.39
167	13	1.969e+04	314.72	0.37	0.0	0.0	-2.11	-204.22	4.76	-2.69	-470.10	1.969e+04
		-1.401e+04	-470.10	-0.05	0.0	165.0	-2.11	-204.22	4.76	-2.69	314.72	-1.401e+04
168	1	2194.47	-45.46	-0.01	-16.62	0.0	-0.06	9.19	-1.81	0.04	-45.46	1775.07
		1775.07	-121.59	6.54e-03	3.53	165.0	-0.06	-7.42	1.73	0.04	-52.02	1920.90
168	2	6168.61	-247.45	-0.03	0.0	0.0	-1.19	2.33	-0.12	0.11	-247.45	5784.72
		5784.72	-266.76	0.02	0.0	165.0	-1.19	2.33	-0.12	0.11	-266.76	6168.61
168	3	1.207e+04	-484.07	-0.06	0.0	0.0	-2.33	4.55	-0.23	0.22	-484.07	1.132e+04
		1.132e+04	-521.84	0.03	0.0	165.0	-2.33	4.55	-0.23	0.22	-521.84	1.207e+04
168	4	178.36	712.24	0.01	0.0	0.0	3.78	1.96	-8.64	-1.83	712.24	-155.41
		-155.41	-713.77	-0.13	0.0	165.0	3.78	1.96	-8.64	-1.83	-713.77	178.36
168	5	178.36	712.24	0.01	0.0	0.0	3.78	1.96	-8.64	-1.83	712.24	-155.41
		-155.41	-713.77	-0.13	0.0	165.0	3.78	1.96	-8.64	-1.83	-713.77	178.36
168	6	-542.27	-411.41	-0.01	0.0	0.0	-1.66	0.44	-5.52	2.74	-411.41	-559.96
		-559.96	-557.80	0.12	0.0	165.0	-1.66	0.44	-5.52	2.74	-557.80	-542.27
168	7	-405.43	693.09	0.02	0.0	0.0	-2.27	-0.45	8.26	-3.07	-711.98	-434.11
		-434.11	-711.98	-0.14	0.0	165.0	-2.27	-0.45	8.26	-3.07	693.09	-405.43
168	8	56.74	226.51	4.08e-03	0.0	0.0	1.20	0.62	-2.75	-0.58	226.51	-49.43
		-49.43	-226.98	-0.04	0.0	165.0	1.20	0.62	-2.75	-0.58	-226.98	56.74
168	9	56.74	226.51	4.08e-03	0.0	0.0	1.20	0.62	-2.75	-0.58	226.51	-49.43
		-49.43	-226.98	-0.04	0.0	165.0	1.20	0.62	-2.75	-0.58	-226.98	56.74
168	10	-198.71	-138.56	-4.11e-03	0.0	0.0	-0.54	0.15	-1.87	0.88	-138.56	-207.09
		-207.09	-191.13	0.04	0.0	165.0	-0.54	0.15	-1.87	0.88	-191.13	-198.71
168	11	-148.68	243.27	5.46e-03	0.0	0.0	-0.73	-0.16	2.81	-1.00	-236.79	-158.47
		-158.47	-236.79	-0.04	0.0	165.0	-0.73	-0.16	2.81	-1.00	243.27	-148.68
168	12	-0.38	1.64	2.35e-04	0.0	0.0	-29.30	-0.08	0.02	-9.05e-03	-1.18	-0.38
		-13.48	-1.18	-7.64e-05	0.0	165.0	-29.30	-0.08	0.02	-9.05e-03	1.64	-13.48
168	13	-1.401e+04	358.65	0.08	0.0	0.0	-2.08	-5.65	4.29	-0.97	-348.81	-1.401e+04
		-1.494e+04	-348.81	-0.06	0.0	165.0	-2.08	-5.65	4.29	-0.97	358.65	-1.494e+04
169	1	1920.98	537.93	0.05	-16.62	0.0	-0.10	-18.46	4.12	-0.45	-433.36	1920.98
		-2495.09	-433.36	-0.06	3.53	165.0	-0.10	-35.07	7.65	-0.45	537.93	-2495.09
169	2	6168.64	1290.35	0.15	0.0	0.0	-1.33	-79.16	15.54	-0.83	-1273.72	6168.64
		-6892.04	-1273.72	-0.16	0.0	165.0	-1.33	-79.16	15.54	-0.83	1290.35	-6892.04
169	3	1.207e+04	2524.20	0.30	0.0	0.0	-2.60	-154.85	30.40	-1.62	-2491.67	1.207e+04
		-1.348e+04	-2491.67	-0.30	0.0	165.0	-2.60	-154.85	30.40	-1.62	2524.20	-1.348e+04
169	4	531.45	540.66	0.02	0.0	0.0	15.58	2.19	-7.22	-1.89	540.66	178.01
		178.01	-651.61	-0.12	0.0	165.0	15.58	2.19	-7.22	-1.89	-651.61	531.45
169	5	531.45	540.66	0.02	0.0	0.0	15.58	2.19	-7.22	-1.89	540.66	178.01
		178.01	-651.61	-0.12	0.0	165.0	15.58	2.19	-7.22	-1.89	-651.61	531.45
169	6	559.72	847.50	-8.77e-03	0.0	0.0	-2.51	6.45	10.28	2.75	-851.38	-542.31
		-542.31	-851.38	0.04	0.0	165.0	-2.51	6.45	10.28	2.75	847.50	559.72
169	7	529.19	1121.88	0.02	0.0	0.0	-4.00	5.58	13.08	-3.25	-1039.88	-405.45
		-405.45	-1039.88	-0.19	0.0	165.0	-4.00	5.58	13.08	-3.25	1121.88	529.19
169	8	168.98	171.99	4.92e-03	0.0	0.0	4.95	0.70	-2.30	-0.60	171.99	56.63
		56.63	-207.27	-0.04	0.0	165.0	4.95	0.70	-2.30	-0.60	-207.27	168.98
169	9	168.98	171.99	4.92e-03	0.0	0.0	4.95	0.70	-2.30	-0.60	171.99	56.63
		56.63	-207.27	-0.04	0.0	165.0	4.95	0.70	-2.30	-0.60	-207.27	168.98
169	10	209.68	297.86	-2.92e-03	0.0	0.0	-0.80	2.40	3.62	0.90	-300.45	-198.72
		-198.72	-300.45	0.01	0.0	165.0	-0.80	2.40	3.62	0.90	297.86	209.68
169	11	194.46	375.13	5.50e-03	0.0	0.0	-1.27	2.05	4.40	-1.06	-351.88	-148.68
		-148.68	-351.88	-0.06	0.0	165.0	-1.27	2.05	4.40	-1.06	375.13	194.46
169	12	-13.48	-0.20	-3.31e-04	0.0	0.0	-29.33	-0.09	-8.88e-03	9.05e-03	-0.20	-13.48
		-29.02	-1.67	-6.81e-05	0.0	165.0	-29.33	-0.09	-8.88e-03	9.05e-03	-1.67	-29.02
169	13	1.688e+04	293.34	-0.37	0.0	0.0	-2.18	192.82	3.43	1.04	-271.92	-1.494e+04
		-1.494e+04	-271.92	-0.06	0.0	165.0	-2.18	192.82	3.43	1.04	293.34	1.688e+04
170	1	-2494.95	271.16	5.26e-03	-3.32	0.0	-0.34	-45.88	2.58	-3.59	174.30	-2494.95
		-4063.67	174.30	-2.22e-03	0.71	33.0	-0.34	-49.20	3.29	-3.59	271.16	-4063.67
170	2	-6891.81	850.32	0.01	0.0	0.0	-1.63	-119.83	15.78	-4.74	329.43	-6891.81
		-1.085e+04	329.43	-6.32e-03	0.0	33.0	-1.63	-119.83	15.78	-4.74	850.32	-1.085e+04
170	3	-1.348e+04	1663.41	0.03	0.0	0.0	-3.20	-234.42	30.88	-9.28	644.44	-1.348e+04
		-2.122e+04	644.44	-0.01	0.0	33.0	-3.20	-234.42	30.88	-9.28	1663.41	-2.122e+04
170	4	611.45	113.71	4.15e-03	0.0	0.0	24.48	2.48	-42.46	-1.84	113.71	531.43
		531.43	-1309.50	-0.03	0.0	33.0	24.48	2.48	-42.46	-1.84	-1309.50	611.45
170	5	611.45	113.71	4.15e-03	0.0	0.0	24.48	2.48	-42.46	-1.84	113.71	531.43
		531.43	-1309.50	-0.03	0.0	33.0	24.48	2.48	-42.46	-1.84	-1309.50	611.45
170	6	893.10	705.32	-1.81e-03	0.0	0.0	-3.84	10.39	17.17	-3.47	158.17	559.73

		559.73	158.17	0.02	0.0	33.0	-3.84	10.39	17.17	-3.47	705.32	893.10
170	7	816.64	1013.40	2.98e-03	0.0	0.0	-5.50	8.81	25.93	-4.66	182.41	529.28
		529.28	182.41	-0.02	0.0	33.0	-5.50	8.81	25.93	-4.66	1013.40	816.64
170	8	194.41	36.15	1.32e-03	0.0	0.0	7.78	0.79	-13.50	-0.59	36.15	168.97
		168.97	-416.41	-9.30e-03	0.0	33.0	7.78	0.79	-13.50	-0.59	-416.41	194.41
170	9	194.41	36.15	1.32e-03	0.0	0.0	7.78	0.79	-13.50	-0.59	36.15	168.97
		168.97	-416.41	-9.30e-03	0.0	33.0	7.78	0.79	-13.50	-0.59	-416.41	194.41
170	10	332.98	248.36	-5.81e-04	0.0	0.0	-1.22	3.83	6.03	-1.23	55.64	209.69
		209.69	55.64	5.35e-03	0.0	33.0	-1.22	3.83	6.03	-1.23	248.36	332.98
170	11	299.64	335.79	9.40e-04	0.0	0.0	-1.75	3.22	8.55	-1.55	62.36	194.50
		194.50	62.36	-5.72e-03	0.0	33.0	-1.75	3.22	8.55	-1.55	335.79	299.64
170	12	-29.03	38.84	-1.88e-04	0.0	0.0	-29.38	-0.10	1.43	0.03	-8.42	-29.03
		-32.38	-8.42	-3.75e-05	0.0	33.0	-29.38	-0.10	1.43	0.03	38.84	-32.38
170	13	2.644e+04	858.77	-0.03	0.0	0.0	-1.41	289.66	32.87	6.57	-225.92	1.688e+04
		1.688e+04	-225.92	-5.06e-03	0.0	33.0	-1.41	289.66	32.87	6.57	858.77	2.644e+04
171	1	-2590.56	247.50	4.47e-04	-3.22	0.0	-0.30	47.42	-2.53	3.68	247.50	-4056.48
		-4056.48	177.52	1.91e-03	0.69	32.0	-0.30	44.20	-1.84	3.68	177.52	-2590.56
171	2	-7137.05	793.78	-1.37e-03	0.0	0.0	-1.52	115.32	-14.34	4.60	793.78	-1.083e+04
		-1.083e+04	334.76	5.52e-03	0.0	32.0	-1.52	115.32	-14.34	4.60	334.76	-7137.05
171	3	-1.396e+04	1552.80	-2.67e-03	0.0	0.0	-2.97	225.59	-28.06	9.01	1552.80	-2.118e+04
		-2.118e+04	654.86	0.01	0.0	32.0	-2.97	225.59	-28.06	9.01	654.86	-1.396e+04
171	4	-444.09	1250.63	4.18e-03	0.0	0.0	-9.29	1.67	-42.59	-2.42	1250.63	-491.85
		-491.85	-123.32	-0.03	0.0	32.0	-9.29	1.67	-42.59	-2.42	-123.32	-444.09
171	5	-444.09	1250.63	4.18e-03	0.0	0.0	-9.29	1.67	-42.59	-2.42	1250.63	-491.85
		-491.85	-123.32	-0.03	0.0	32.0	-9.29	1.67	-42.59	-2.42	-123.32	-444.09
171	6	923.72	993.08	-2.09e-03	0.0	0.0	-2.62	-10.70	-25.98	4.67	993.08	923.72
		584.20	231.89	0.02	0.0	32.0	-2.62	-10.70	-25.98	4.67	231.89	584.20
171	7	777.80	673.07	2.54e-03	0.0	0.0	-1.68	-8.51	-17.00	-3.08	673.07	777.80
		514.15	180.79	-0.01	0.0	32.0	-1.68	-8.51	-17.00	-3.08	180.79	514.15
171	8	-141.20	397.77	1.33e-03	0.0	0.0	-2.96	0.53	-13.54	-0.77	397.77	-156.38
		-156.38	-39.27	-9.32e-03	0.0	32.0	-2.96	0.53	-13.54	-0.77	-39.27	-141.20
171	9	-141.20	397.77	1.33e-03	0.0	0.0	-2.96	0.53	-13.54	-0.77	397.77	-156.38
		-156.38	-39.27	-9.32e-03	0.0	32.0	-2.96	0.53	-13.54	-0.77	-39.27	-141.20
171	10	341.02	346.12	-6.53e-04	0.0	0.0	-0.84	-3.92	-8.85	1.56	346.12	341.02
		216.48	84.05	7.02e-03	0.0	32.0	-0.84	-3.92	-8.85	1.56	84.05	216.48
171	11	288.75	240.11	8.13e-04	0.0	0.0	-0.54	-3.12	-6.00	-1.06	240.11	288.75
		191.81	64.10	-3.95e-03	0.0	32.0	-0.54	-3.12	-6.00	-1.06	64.10	191.81
171	12	40.83	8.48	-1.77e-04	0.0	0.0	-24.54	-0.14	1.51	0.03	-39.86	40.83
		36.38	-39.86	3.63e-05	0.0	32.0	-24.54	-0.14	1.51	0.03	8.48	36.38
171	13	2.641e+04	-151.43	5.57e-03	0.0	0.0	-0.32	-278.54	-12.14	-9.01	-151.43	2.641e+04
		1.750e+04	-539.97	-2.88e-03	0.0	32.0	-0.32	-278.54	-12.14	-9.01	-539.97	1.750e+04
172	1	1548.79	513.30	-0.03	-16.62	0.0	-0.07	33.40	-7.38	0.41	513.30	-2590.54
		-2590.54	-412.78	0.05	3.53	165.0	-0.07	16.78	-3.85	0.41	-412.78	1548.79
172	2	5180.30	1224.01	-0.10	0.0	0.0	-1.23	74.65	-14.81	0.54	1224.01	-7136.92
		-7136.92	-1218.92	0.15	0.0	165.0	-1.23	74.65	-14.81	0.54	-1218.92	5180.30
172	3	1.013e+04	2394.42	-0.20	0.0	0.0	-2.40	146.03	-28.96	1.06	2394.42	-1.396e+04
		-1.396e+04	-2384.46	0.28	0.0	165.0	-2.40	146.03	-28.96	1.06	-2384.46	1.013e+04
172	4	-205.10	536.96	0.02	0.0	0.0	-0.49	1.60	-5.97	-1.88	536.96	-444.08
		-444.08	-449.08	-0.13	0.0	165.0	-0.49	1.60	-5.97	-1.88	-449.08	-205.10
172	5	-205.10	536.96	0.02	0.0	0.0	-0.49	1.60	-5.97	-1.88	536.96	-444.08
		-444.08	-449.08	-0.13	0.0	165.0	-0.49	1.60	-5.97	-1.88	-449.08	-205.10
172	6	583.93	1122.09	-0.01	0.0	0.0	-1.47	-6.69	-13.46	2.68	1122.09	583.93
		-530.72	-1104.43	0.15	0.0	165.0	-1.47	-6.69	-13.46	2.68	-1104.43	-530.72
172	7	514.04	816.83	0.01	0.0	0.0	-1.64	-5.31	-9.51	-2.92	816.83	514.04
		-405.46	-761.04	-0.08	0.0	165.0	-1.64	-5.31	-9.51	-2.92	-761.04	-405.46
172	8	-65.22	171.22	5.29e-03	0.0	0.0	-0.16	0.51	-1.90	-0.60	171.22	-141.20
		-141.20	-143.12	-0.04	0.0	165.0	-0.16	0.51	-1.90	-0.60	-143.12	-65.22
172	9	-65.22	171.22	5.29e-03	0.0	0.0	-0.16	0.51	-1.90	-0.60	171.22	-141.20
		-141.20	-143.12	-0.04	0.0	165.0	-0.16	0.51	-1.90	-0.60	-143.12	-65.22
172	10	216.38	401.70	-3.51e-03	0.0	0.0	-0.48	-2.47	-4.83	0.87	401.70	216.38
		-194.62	-396.99	0.05	0.0	165.0	-0.48	-2.47	-4.83	0.87	-396.99	-194.62
172	11	191.76	292.75	4.05e-03	0.0	0.0	-0.53	-1.97	-3.44	-0.94	292.75	191.76
		-148.43	-278.23	-0.02	0.0	165.0	-0.53	-1.97	-3.44	-0.94	-278.23	-148.43
172	12	36.37	1.30	-2.23e-04	0.0	0.0	-24.61	-0.13	-3.57e-03	1.75e-03	1.30	36.37
		14.43	0.71	-1.07e-04	0.0	165.0	-24.61	-0.13	-3.57e-03	1.75e-03	0.71	14.43
172	13	1.749e+04	831.54	0.26	0.0	0.0	-1.06	-181.73	11.95	-3.29	-1139.97	1.749e+04
		-1.249e+04	-1139.97	-0.15	0.0	165.0	-1.06	-181.73	11.95	-3.29	831.54	-1.249e+04
173	1	1711.01	-21.98	7.10e-03	-16.62	0.0	-0.04	5.74	-1.44	-0.10	-75.60	1548.84
		1124.48	-123.85	-5.06e-03	3.53	165.0	-0.04	-10.88	2.09	-0.10	-21.98	1124.48
173	2	5180.55	-184.53	0.02	0.0	0.0	-1.11	-6.80	0.88	-0.38	-329.90	5180.55
		4058.18	-329.90	-0.01	0.0	165.0	-1.11	-6.80	0.88	-0.38	-184.53	4058.18
173	3	1.013e+04	-360.98	0.04	0.0	0.0	-2.17	-13.31	1.72	-0.75	-645.36	1.013e+04
		7938.66	-645.36	-0.03	0.0	165.0	-2.17	-13.31	1.72	-0.75	-360.98	7938.66
173	4	108.46	643.48	0.01	0.0	0.0	11.38	1.64	-7.68	-1.64	643.48	-205.41
		-205.41	-625.43	-0.11	0.0	165.0	11.38	1.64	-7.68	-1.64	-625.43	108.46
173	5	108.46	643.48	0.01	0.0	0.0	11.38	1.64	-7.68	-1.64	643.48	-205.41

		-205.41	-625.43	-0.11	0.0	165.0	11.38	1.64	-7.68	-1.64	-625.43	108.46
173	6	551.64	574.66	-8.10e-03	0.0	0.0	-1.95	0.42	7.31	2.29	-713.61	-530.93
		-530.93	-713.61	0.06	0.0	165.0	-1.95	0.42	7.31	2.29	574.66	551.64
173	7	-405.64	680.33	0.01	0.0	0.0	-3.13	0.61	9.03	-2.87	-838.18	-405.64
		-430.54	-838.18	-0.14	0.0	165.0	-3.13	0.61	9.03	-2.87	680.33	-430.54
173	8	34.51	205.08	3.40e-03	0.0	0.0	3.62	0.52	-2.45	-0.52	205.08	-65.32
		-65.32	-199.33	-0.03	0.0	165.0	3.62	0.52	-2.45	-0.52	-199.33	34.51
173	9	34.51	205.08	3.40e-03	0.0	0.0	3.62	0.52	-2.45	-0.52	205.08	-65.32
		-65.32	-199.33	-0.03	0.0	165.0	3.62	0.52	-2.45	-0.52	-199.33	34.51
173	10	200.94	189.46	-2.61e-03	0.0	0.0	-0.63	0.15	2.39	0.74	-236.73	-194.70
		-194.70	-236.73	0.02	0.0	165.0	-0.63	0.15	2.39	0.74	189.46	200.94
173	11	-148.50	224.97	4.18e-03	0.0	0.0	-1.00	0.22	2.99	-0.92	-280.43	-148.50
		-158.94	-280.43	-0.05	0.0	165.0	-1.00	0.22	2.99	-0.92	224.97	-158.94
173	12	14.43	3.69	4.24e-04	0.0	0.0	-24.66	-0.13	0.04	-0.02	-3.27	14.43
		-6.71	-3.27	-1.11e-04	0.0	165.0	-24.66	-0.13	0.04	-0.02	3.69	-6.71
173	13	-9731.88	985.79	0.05	0.0	0.0	-1.10	16.72	11.89	-1.49	-975.82	-1.249e+04
		-1.249e+04	-975.82	-0.18	0.0	165.0	-1.10	16.72	11.89	-1.49	985.79	-9731.88
174	1	1124.63	572.77	0.03	-16.62	0.0	-0.08	-21.96	4.49	-0.52	-458.85	1124.63
		-3870.22	-458.85	-0.06	3.53	165.0	-0.08	-38.58	8.02	-0.52	572.77	-3870.22
174	2	4058.38	1385.07	0.09	0.0	0.0	-1.26	-88.34	16.54	-0.94	-1343.31	4058.38
		-1.052e+04	-1343.31	-0.17	0.0	165.0	-1.26	-88.34	16.54	-0.94	1385.07	-1.052e+04
174	3	7939.05	2709.48	0.18	0.0	0.0	-2.47	-172.81	32.35	-1.85	-2627.80	7939.05
		-2.057e+04	-2627.80	-0.33	0.0	165.0	-2.47	-172.81	32.35	-1.85	2709.48	-2.057e+04
174	4	412.71	539.18	0.01	0.0	0.0	23.18	2.09	-7.06	-1.66	539.18	108.25
		108.25	-626.02	-0.10	0.0	165.0	23.18	2.09	-7.06	-1.66	-626.02	412.71
174	5	412.71	539.18	0.01	0.0	0.0	23.18	2.09	-7.06	-1.66	539.18	108.25
		108.25	-626.02	-0.10	0.0	165.0	23.18	2.09	-7.06	-1.66	-626.02	412.71
174	6	570.01	1504.60	-4.19e-03	0.0	0.0	-3.62	6.51	17.65	2.12	-1410.47	551.38
		551.38	-1410.47	-0.03	0.0	165.0	-3.62	6.51	17.65	2.12	1504.60	570.01
174	7	407.78	1338.98	0.01	0.0	0.0	-5.04	4.87	15.35	-2.94	-1196.25	-430.22
		-430.22	-1196.25	-0.17	0.0	165.0	-5.04	4.87	15.35	-2.94	1338.98	407.78
174	8	131.22	171.81	3.60e-03	0.0	0.0	7.37	0.66	-2.25	-0.53	171.81	34.44
		34.44	-199.58	-0.03	0.0	165.0	7.37	0.66	-2.25	-0.53	-199.58	131.22
174	9	131.22	171.81	3.60e-03	0.0	0.0	7.37	0.66	-2.25	-0.53	171.81	34.44
		34.44	-199.58	-0.03	0.0	165.0	7.37	0.66	-2.25	-0.53	-199.58	131.22
174	10	214.05	522.02	-1.64e-03	0.0	0.0	-1.16	2.42	6.15	0.70	-492.81	200.81
		200.81	-492.81	-0.01	0.0	165.0	-1.16	2.42	6.15	0.70	522.02	214.05
174	11	148.01	463.70	4.34e-03	0.0	0.0	-1.60	1.78	5.34	-0.95	-417.62	-158.81
		-158.81	-417.62	-0.05	0.0	165.0	-1.60	1.78	5.34	-0.95	463.70	148.01
174	12	-6.71	-0.33	1.79e-04	0.0	0.0	-24.73	-0.14	-0.02	1.93e-04	-0.33	-6.71
		-30.29	-3.50	-9.83e-05	0.0	165.0	-24.73	-0.14	-0.02	1.93e-04	-3.50	-30.29
174	13	2.582e+04	951.98	-0.20	0.0	0.0	-1.28	215.47	10.55	-0.68	-788.52	-9731.35
		-9731.35	-788.52	-0.15	0.0	165.0	-1.28	215.47	10.55	-0.68	951.98	2.582e+04
175	1	-3870.26	280.33	-5.43e-03	-3.32	0.0	-0.34	-49.50	2.36	-3.95	190.64	-3870.26
		-5558.47	190.64	-2.30e-03	0.71	33.0	-0.34	-52.82	3.07	-3.95	280.33	-5558.47
175	2	-1.052e+04	878.66	-0.01	0.0	0.0	-1.61	-129.33	15.35	-5.45	371.97	-1.052e+04
		-1.479e+04	371.97	-6.57e-03	0.0	33.0	-1.61	-129.33	15.35	-5.45	878.66	-1.479e+04
175	3	-2.057e+04	1718.85	-0.03	0.0	0.0	-3.16	-252.99	30.04	-10.66	727.65	-2.057e+04
		-2.892e+04	727.65	-0.01	0.0	33.0	-3.16	-252.99	30.04	-10.66	1718.85	-2.892e+04
175	4	494.84	115.83	3.22e-03	0.0	0.0	32.09	2.63	-42.77	-1.46	115.83	412.66
		412.66	-1310.36	-0.03	0.0	33.0	32.09	2.63	-42.77	-1.46	-1310.36	494.84
175	5	494.84	115.83	3.22e-03	0.0	0.0	32.09	2.63	-42.77	-1.46	115.83	412.66
		412.66	-1310.36	-0.03	0.0	33.0	32.09	2.63	-42.77	-1.46	-1310.36	494.84
175	6	900.39	1120.78	-2.87e-04	0.0	0.0	-5.14	10.38	25.06	-3.45	308.40	570.51
		570.51	308.40	0.02	0.0	33.0	-5.14	10.38	25.06	-3.45	1120.78	900.39
175	7	658.35	1093.28	2.69e-03	0.0	0.0	-6.60	7.82	26.31	-4.18	261.70	408.19
		408.19	261.70	-0.01	0.0	33.0	-6.60	7.82	26.31	-4.18	1093.28	658.35
175	8	157.33	36.90	1.02e-03	0.0	0.0	10.20	0.84	-13.60	-0.46	36.90	131.20
		131.20	-416.79	-9.40e-03	0.0	33.0	10.20	0.84	-13.60	-0.46	-416.79	157.33
175	9	157.33	36.90	1.02e-03	0.0	0.0	10.20	0.84	-13.60	-0.46	36.90	131.20
		131.20	-416.79	-9.40e-03	0.0	33.0	10.20	0.84	-13.60	-0.46	-416.79	157.33
175	10	336.21	391.74	-1.02e-04	0.0	0.0	-1.64	3.81	8.79	-1.20	106.41	214.24
		214.24	106.41	5.04e-03	0.0	33.0	-1.64	3.81	8.79	-1.20	391.74	336.21
175	11	239.39	372.91	8.52e-04	0.0	0.0	-2.10	2.85	8.86	-1.39	92.48	148.18
		148.18	92.48	-4.08e-03	0.0	33.0	-2.10	2.85	8.86	-1.39	372.91	239.39
175	12	-30.30	75.92	-9.05e-05	0.0	0.0	-24.84	-0.15	2.80	0.04	-16.46	-30.30
		-35.29	-16.46	-7.29e-05	0.0	33.0	-24.84	-0.15	2.80	0.04	75.92	-35.29
175	13	3.616e+04	1405.95	0.04	0.0	0.0	-0.39	313.33	46.91	6.42	-142.05	2.582e+04
		2.582e+04	-142.05	-9.45e-03	0.0	33.0	-0.39	313.33	46.91	6.42	1405.95	3.616e+04
176	1	-3712.83	339.32	-0.01	-3.22	0.0	-0.71	60.17	-3.91	4.27	339.32	-5586.67
		-5586.67	225.24	2.61e-03	0.69	32.0	-0.71	56.95	-3.22	4.27	225.24	-3712.83
176	2	-1.006e+04	1026.87	-0.03	0.0	0.0	-2.57	150.07	-17.88	6.57	1026.87	-1.486e+04
		-1.486e+04	454.67	7.29e-03	0.0	32.0	-2.57	150.07	-17.88	6.57	454.67	-1.006e+04
176	3	-1.968e+04	2008.78	-0.07	0.0	0.0	-5.03	293.56	-34.98	12.85	2008.78	-2.907e+04
		-2.907e+04	889.44	0.01	0.0	32.0	-5.03	293.56	-34.98	12.85	889.44	-1.968e+04
176	4	-540.67	1169.57	3.16e-03	0.0	0.0	-1.60	2.61	-40.89	-2.33	1169.57	-616.49

		-616.49	-153.38	-0.03	0.0	32.0	-1.60	2.61	-40.89	-2.33	-153.38	-540.67
176	5	-540.67	1169.57	3.16e-03	0.0	0.0	-1.60	2.61	-40.89	-2.33	1169.57	-616.49
		-616.49	-153.38	-0.03	0.0	32.0	-1.60	2.61	-40.89	-2.33	-153.38	-540.67
176	6	931.22	596.73	-5.40e-04	0.0	0.0	-0.97	-11.38	-17.54	3.77	596.73	931.22
		575.81	-227.67	0.02	0.0	32.0	-0.97	-11.38	-17.54	3.77	-227.67	575.81
176	7	628.77	502.87	2.27e-03	0.0	0.0	-1.01	-7.75	-13.08	-2.71	502.87	628.77
		385.75	-166.09	-8.42e-03	0.0	32.0	-1.01	-7.75	-13.08	-2.71	-166.09	385.75
176	8	-171.90	372.04	1.00e-03	0.0	0.0	-0.51	0.83	-13.00	-0.74	372.04	-196.01
		-196.01	-48.80	-9.56e-03	0.0	32.0	-0.51	0.83	-13.00	-0.74	-48.80	-171.90
176	9	-171.90	372.04	1.00e-03	0.0	0.0	-0.51	0.83	-13.00	-0.74	372.04	-196.01
		-196.01	-48.80	-9.56e-03	0.0	32.0	-0.51	0.83	-13.00	-0.74	-48.80	-171.90
176	10	344.62	205.15	-1.68e-04	0.0	0.0	-0.32	-4.18	-5.85	1.28	205.15	344.62
		213.99	-76.50	6.69e-03	0.0	32.0	-0.32	-4.18	-5.85	1.28	-76.50	213.99
176	11	231.11	171.82	7.33e-04	0.0	0.0	-0.33	-2.83	-4.38	-0.92	171.82	231.11
		142.28	-57.35	-2.67e-03	0.0	32.0	-0.33	-2.83	-4.38	-0.92	-57.35	142.28
176	12	112.30	15.25	-3.98e-05	0.0	0.0	-15.02	-0.56	2.98	6.04e-03	-79.97	112.30
		94.54	-79.97	6.86e-05	0.0	32.0	-15.02	-0.56	2.98	6.04e-03	15.25	94.54
176	13	3.639e+04	-1150.46	0.09	0.0	0.0	4.50	-365.01	15.28	-16.52	-1639.36	3.639e+04
		2.471e+04	-1639.36	-0.01	0.0	32.0	4.50	-365.01	15.28	-16.52	-1150.46	2.471e+04
177	1	2507.95	673.21	-0.11	-16.62	0.0	-0.46	46.01	-9.08	0.74	673.21	-3713.15
		-3713.15	-533.96	0.08	3.53	165.0	-0.46	29.40	-5.55	0.74	-533.96	2507.95
177	2	7912.54	1627.40	-0.31	0.0	0.0	-2.24	108.92	-19.10	1.98	1627.40	-1.006e+04
		-1.006e+04	-1524.63	0.20	0.0	165.0	-2.24	108.92	-19.10	1.98	-1524.63	7912.54
177	3	1.548e+04	3183.54	-0.60	0.0	0.0	-4.38	213.07	-37.37	3.87	3183.54	-1.968e+04
		-1.968e+04	-2982.50	0.39	0.0	165.0	-4.38	213.07	-37.37	3.87	-2982.50	1.548e+04
177	4	-161.83	431.61	0.01	0.0	0.0	7.34	2.62	-4.75	-1.54	431.61	-540.66
		-540.66	-353.84	-0.12	0.0	165.0	7.34	2.62	-4.75	-1.54	-353.84	-161.83
177	5	-161.83	431.61	0.01	0.0	0.0	7.34	2.62	-4.75	-1.54	431.61	-540.66
		-540.66	-353.84	-0.12	0.0	165.0	7.34	2.62	-4.75	-1.54	-353.84	-161.83
177	6	576.14	739.53	-4.29e-03	0.0	0.0	-1.40	-7.55	-8.26	-1.88	739.53	576.14
		-707.77	-649.12	0.08	0.0	165.0	-1.40	-7.55	-8.26	-1.88	-649.12	-707.77
177	7	386.03	-495.79	9.92e-03	0.0	0.0	-2.16	-4.95	-6.80	-2.72	-634.64	386.03
		-444.68	-634.64	-0.08	0.0	165.0	-2.16	-4.95	-6.80	-2.72	-495.79	-444.68
177	8	-51.48	137.87	3.22e-03	0.0	0.0	2.33	0.83	-1.52	-0.49	137.87	-171.90
		-171.90	-113.02	-0.04	0.0	165.0	2.33	0.83	-1.52	-0.49	-113.02	-51.48
177	9	-51.48	137.87	3.22e-03	0.0	0.0	2.33	0.83	-1.52	-0.49	137.87	-171.90
		-171.90	-113.02	-0.04	0.0	165.0	2.33	0.83	-1.52	-0.49	-113.02	-51.48
177	10	214.11	256.58	-1.31e-03	0.0	0.0	-0.46	-2.79	-2.90	-0.62	256.58	214.11
		-261.02	-229.71	0.02	0.0	165.0	-0.46	-2.79	-2.90	-0.62	-229.71	-261.02
177	11	142.39	-174.96	3.24e-03	0.0	0.0	-0.69	-1.82	-2.37	-0.88	-219.54	142.39
		-161.82	-219.54	-0.03	0.0	165.0	-0.69	-1.82	-2.37	-0.88	-174.96	-161.82
177	12	94.53	3.64	1.54e-03	0.0	0.0	-15.13	-0.54	0.03	-0.05	-0.71	94.53
		4.84	-0.71	-6.45e-04	0.0	165.0	-15.13	-0.54	0.03	-0.05	3.64	4.84
177	13	2.471e+04	2603.79	0.79	0.0	0.0	3.69	-266.67	36.77	-9.28	-3462.71	2.471e+04
		-1.929e+04	-3462.71	-0.46	0.0	165.0	3.69	-266.67	36.77	-9.28	2603.79	-1.929e+04
178	1	4139.89	69.37	-0.04	-16.62	0.0	-0.41	18.20	-3.20	0.28	69.37	2507.44
		2507.44	-168.84	0.02	3.53	165.0	-0.41	1.59	0.34	0.28	-166.45	4139.89
178	2	1.227e+04	36.12	-0.10	0.0	0.0	-2.07	26.43	-3.55	1.36	36.12	7911.69
		7911.69	-549.44	0.06	0.0	165.0	-2.07	26.43	-3.55	1.36	-549.44	1.227e+04
178	3	2.401e+04	70.66	-0.19	0.0	0.0	-4.05	51.70	-6.94	2.66	70.66	1.548e+04
		1.548e+04	-1074.81	0.11	0.0	165.0	-4.05	51.70	-6.94	2.66	-1074.81	2.401e+04
178	4	367.15	627.04	4.68e-03	0.0	0.0	19.12	2.87	-7.28	-1.22	627.04	-162.09
		-162.09	-576.12	-0.08	0.0	165.0	19.12	2.87	-7.28	-1.22	-576.12	367.15
178	5	367.15	627.04	4.68e-03	0.0	0.0	19.12	2.87	-7.28	-1.22	627.04	-162.09
		-162.09	-576.12	-0.08	0.0	165.0	19.12	2.87	-7.28	-1.22	-576.12	367.15
178	6	-707.45	914.98	6.13e-03	0.0	0.0	3.23	-1.39	12.74	-1.87	-1203.19	-707.45
		-919.78	-1203.19	-0.05	0.0	165.0	3.23	-1.39	12.74	-1.87	914.98	-919.78
178	7	-444.39	726.15	0.01	0.0	0.0	-4.04	-0.93	9.42	-2.90	-834.77	-444.39
		-573.26	-834.77	-0.13	0.0	165.0	-4.04	-0.93	9.42	-2.90	726.15	-573.26
178	8	116.74	199.63	1.49e-03	0.0	0.0	6.08	0.91	-2.32	-0.39	199.63	-51.56
		-51.56	-183.52	-0.03	0.0	165.0	6.08	0.91	-2.32	-0.39	-183.52	116.74
178	9	116.74	199.63	1.49e-03	0.0	0.0	6.08	0.91	-2.32	-0.39	199.63	-51.56
		-51.56	-183.52	-0.03	0.0	165.0	6.08	0.91	-2.32	-0.39	-183.52	116.74
178	10	-260.90	302.19	2.12e-03	0.0	0.0	1.03	-0.51	4.20	-0.63	-396.84	-260.90
		-338.18	-396.84	-0.02	0.0	165.0	1.03	-0.51	4.20	-0.63	302.19	-338.18
178	11	-161.71	243.81	4.44e-03	0.0	0.0	-1.29	-0.33	3.15	-0.95	-279.15	-161.71
		-208.90	-279.15	-0.04	0.0	165.0	-1.29	-0.33	3.15	-0.95	243.81	-208.90
178	12	4.87	9.04	1.72e-03	0.0	0.0	-15.22	-0.56	0.11	-0.07	-8.60	4.87
		-87.70	-8.60	-7.68e-04	0.0	165.0	-15.22	-0.56	0.11	-0.07	9.04	-87.70
178	13	-1.929e+04	3116.09	0.27	0.0	0.0	3.32	-64.98	37.73	-8.16	-3109.52	-1.929e+04
		-3.001e+04	-3109.52	-0.57	0.0	165.0	3.32	-64.98	37.73	-8.16	3116.09	-3.001e+04
179	1	4139.52	403.04	0.11	-16.62	0.0	-0.44	-9.63	2.71	-0.64	-335.76	4139.52
		1179.92	-335.76	-0.04	3.53	165.0	-0.44	-26.25	6.24	-0.64	403.04	1179.92
179	2	1.227e+04	959.85	0.33	0.0	0.0	-2.18	-56.53	12.08	-0.55	-1033.38	1.227e+04
		2944.67	-1033.38	-0.11	0.0	165.0	-2.18	-56.53	12.08	-0.55	959.85	2944.67
179	3	2.401e+04	1877.67	0.64	0.0	0.0	-4.26	-110.58	23.63	-1.08	-2021.50	2.401e+04

		5760.40	-2021.50	-0.22	0.0	165.0	-4.26	-110.58	23.63	-1.08	1877.67	5760.40
179	4	945.91	607.71	0.01	0.0	0.0	30.92	3.67	-7.86	-1.49	607.71	366.85
		366.85	-689.71	-0.07	0.0	165.0	30.92	3.67	-7.86	-1.49	-689.71	945.91
179	5	945.91	607.71	0.01	0.0	0.0	30.92	3.67	-7.86	-1.49	607.71	366.85
		366.85	-689.71	-0.07	0.0	165.0	30.92	3.67	-7.86	-1.49	-689.71	945.91
179	6	-255.17	1926.72	0.02	0.0	0.0	5.02	4.34	21.83	-2.89	-1676.48	-919.25
		-919.25	-1676.48	-0.12	0.0	165.0	5.02	4.34	21.83	-2.89	1926.72	-255.17
179	7	-177.94	1103.36	0.02	0.0	0.0	-6.03	2.91	12.32	-3.43	-930.19	-572.78
		-572.78	-930.19	-0.14	0.0	165.0	-6.03	2.91	12.32	-3.43	1103.36	-177.94
179	8	300.74	193.30	3.42e-03	0.0	0.0	9.83	1.17	-2.50	-0.47	193.30	116.65
		116.65	-219.44	-0.02	0.0	165.0	9.83	1.17	-2.50	-0.47	-219.44	300.74
179	9	300.74	193.30	3.42e-03	0.0	0.0	9.83	1.17	-2.50	-0.47	193.30	116.65
		116.65	-219.44	-0.02	0.0	165.0	9.83	1.17	-2.50	-0.47	-219.44	300.74
179	10	-86.91	634.04	5.45e-03	0.0	0.0	1.60	1.61	7.19	-1.02	-552.42	-337.95
		-337.95	-552.42	-0.04	0.0	165.0	1.60	1.61	7.19	-1.02	634.04	-86.91
179	11	-59.63	367.20	6.69e-03	0.0	0.0	-1.92	1.05	4.10	-1.16	-309.77	-208.70
		-208.70	-309.77	-0.04	0.0	165.0	-1.92	1.05	4.10	-1.16	367.20	-59.63
179	12	-87.68	-2.22	-1.95e-03	0.0	0.0	-15.31	-0.64	4.24e-03	0.05	-2.92	-87.68
		-194.01	-2.92	-6.59e-04	0.0	165.0	-15.31	-0.64	4.24e-03	0.05	-2.22	-194.01
179	13	-7205.16	3327.91	-0.77	0.0	0.0	2.85	138.18	35.77	-3.45	-2573.44	-3.001e+04
		-3.001e+04	-2573.44	-0.47	0.0	165.0	2.85	138.18	35.77	-3.45	3327.91	-7205.16
180	1	1179.55	255.41	0.03	-3.32	0.0	-0.61	-37.02	4.21	-2.96	104.67	1179.55
		-97.00	104.67	-1.97e-03	0.71	33.0	-0.61	-40.35	4.92	-2.96	255.41	-97.00
180	2	2943.99	785.94	0.09	0.0	0.0	-2.33	-97.13	18.79	-2.23	166.01	2943.99
		-261.25	166.01	-5.65e-03	0.0	33.0	-2.33	-97.13	18.79	-2.23	785.94	-261.25
180	3	5759.07	1537.46	0.18	0.0	0.0	-4.56	-190.00	36.75	-4.36	324.75	5759.07
		-511.07	324.75	-0.01	0.0	33.0	-4.56	-190.00	36.75	-4.36	1537.46	-511.07
180	4	1086.75	172.01	4.53e-03	0.0	0.0	39.83	4.43	-47.70	-1.63	172.01	946.06
		946.06	-1450.24	-0.03	0.0	33.0	39.83	4.43	-47.70	-1.63	-1450.24	1086.75
180	5	1086.75	172.01	4.53e-03	0.0	0.0	39.83	4.43	-47.70	-1.63	172.01	946.06
		946.06	-1450.24	-0.03	0.0	33.0	39.83	4.43	-47.70	-1.63	-1450.24	1086.75
180	6	-145.41	1306.58	4.65e-03	0.0	0.0	6.63	6.60	26.71	-4.72	438.85	-255.01
		-255.01	438.85	0.01	0.0	33.0	6.63	6.60	26.71	-4.72	1306.58	-145.41
180	7	-175.48	895.71	4.62e-03	0.0	0.0	-7.64	4.51	21.70	-4.35	230.27	-177.68
		-177.68	230.27	-5.94e-03	0.0	33.0	-7.64	4.51	21.70	-4.35	895.71	-175.48
180	8	345.52	54.70	1.44e-03	0.0	0.0	12.66	1.41	-15.17	-0.52	54.70	300.79
		300.79	-461.15	-9.46e-03	0.0	33.0	12.66	1.41	-15.17	-0.52	-461.15	345.52
180	9	345.52	54.70	1.44e-03	0.0	0.0	12.66	1.41	-15.17	-0.52	54.70	300.79
		300.79	-461.15	-9.46e-03	0.0	33.0	12.66	1.41	-15.17	-0.52	-461.15	345.52
180	10	-46.90	430.37	1.50e-03	0.0	0.0	2.11	2.40	8.79	-1.64	144.72	-86.80
		-86.80	144.72	4.27e-03	0.0	33.0	2.11	2.40	8.79	-1.64	430.37	-46.90
180	11	-56.08	293.86	1.47e-03	0.0	0.0	-2.43	1.60	7.04	-1.48	77.85	-59.50
		-59.50	77.85	-1.89e-03	0.0	33.0	-2.43	1.60	7.04	-1.48	293.86	-56.08
180	12	-194.08	124.51	-1.20e-03	0.0	0.0	-15.46	-0.69	4.48	0.18	-23.48	-194.08
		-216.74	-23.48	-1.27e-04	0.0	33.0	-15.46	-0.69	4.48	0.18	124.51	-216.74
180	13	575.16	2526.76	-0.22	0.0	0.0	3.26	235.67	56.45	-2.38	663.84	-7201.92
		-7201.92	663.84	-0.02	0.0	33.0	3.26	235.67	56.45	-2.38	2526.76	575.16
181	1	2378.51	16.99	-0.02	-29.66	0.0	321.21	75.82	1.44	-1.59	-127.38	-3732.59
		-3732.59	-127.38	-1.55e-04	0.0	100.2	327.52	46.16	1.44	-1.59	16.99	2378.51
181	2	1739.70	22.18	2.13e-03	0.0	0.0	253.52	45.64	3.93	3.32	-371.54	-2832.94
		-2832.94	-371.54	-2.59e-04	0.0	100.2	253.52	45.64	3.93	3.32	22.18	1739.70
181	3	3403.23	43.38	4.17e-03	0.0	0.0	495.93	89.28	7.69	6.50	-726.80	-5541.83
		-5541.83	-726.80	-5.06e-04	0.0	100.2	495.93	89.28	7.69	6.50	43.38	3403.23
181	4	-2048.33	211.17	0.20	0.0	0.0	-78.83	18.40	19.80	15.57	-1781.51	-3891.40
		-3891.40	-1781.51	-0.11	0.0	100.2	-78.83	18.40	19.80	15.57	211.17	-2048.33
181	5	-2048.33	211.17	0.20	0.0	0.0	-78.83	18.40	19.80	15.57	-1781.51	-3891.40
		-3891.40	-1781.51	-0.11	0.0	100.2	-78.83	18.40	19.80	15.57	211.17	-2048.33
181	6	-3386.91	-45.73	0.28	0.0	0.0	-35.01	31.09	5.79	-22.67	-592.50	-6501.49
		-6501.49	-592.50	1.11	0.0	100.2	-35.01	31.09	5.79	-22.67	-45.73	-3386.91
181	7	-6438.91	50.38	0.58	0.0	0.0	-60.09	58.13	5.44	-20.00	-518.03	-1.226e+04
		-1.226e+04	-518.03	-1.11	0.0	100.2	-60.09	58.13	5.44	-20.00	50.38	-6438.91
181	8	-651.34	67.20	0.06	0.0	0.0	-25.06	5.85	6.29	4.95	-566.49	-1237.40
		-1237.40	-566.49	-0.04	0.0	100.2	-25.06	5.85	6.29	4.95	67.20	-651.34
181	9	-651.34	67.20	0.06	0.0	0.0	-25.06	5.85	6.29	4.95	-566.49	-1237.40
		-1237.40	-566.49	-0.04	0.0	100.2	-25.06	5.85	6.29	4.95	67.20	-651.34
181	10	-1111.93	-14.86	0.09	0.0	0.0	-11.17	10.24	1.88	-7.56	-191.81	-2137.40
		-2137.40	-191.81	0.35	0.0	100.2	-11.17	10.24	1.88	-7.56	-14.86	-1111.93
181	11	-2086.17	16.22	0.18	0.0	0.0	-19.15	18.90	1.83	-6.85	-175.49	-3979.50
		-3979.50	-175.49	-0.35	0.0	100.2	-19.15	18.90	1.83	-6.85	16.22	-2086.17
181	12	15.11	252.03	-2.63e-04	0.0	0.0	1.66	-0.09	-1.15	1.70	252.03	15.11
		5.67	136.35	-1.26e-03	0.0	100.2	1.66	-0.09	-1.15	1.70	136.35	5.67
181	13	-1.360e+04	-35.45	1.23	0.0	0.0	-730.40	-14.53	12.02	-48.01	-1239.53	-1.360e+04
		-1.506e+04	-1239.53	6.14e-04	0.0	100.2	-730.40	-14.53	12.02	-48.01	-35.45	-1.506e+04
182	1	2290.11	24.44	-0.03	-29.66	0.0	502.69	105.44	-0.22	0.96	24.44	-6788.83
		-6788.83	2.25	-8.48e-05	0.0	100.2	509.00	75.78	-0.22	0.96	2.25	2290.11
182	2	5723.94	55.15	-0.04	0.0	0.0	664.00	126.22	-0.52	3.05	55.15	-6922.76

		-6922.76	2.63	-1.54e-04	0.0	100.2	664.00	126.22	-0.52	3.05	2.63	5723.94
182	3	1.120e+04	107.88	-0.08	0.0	0.0	1298.93	246.92	-1.03	5.97	107.88	-1.354e+04
		-1.354e+04	5.14	-3.02e-04	0.0	100.2	1298.93	246.92	-1.03	5.97	5.14	1.120e+04
182	4	-1721.91	147.87	0.14	0.0	0.0	-20.41	14.81	26.13	13.98	-2483.09	-3205.90
		-3205.90	-2483.09	-0.11	0.0	100.2	-20.41	14.81	26.13	13.98	147.87	-1721.91
182	5	-1721.91	147.87	0.14	0.0	0.0	-20.41	14.81	26.13	13.98	-2483.09	-3205.90
		-3205.90	-2483.09	-0.11	0.0	100.2	-20.41	14.81	26.13	13.98	147.87	-1721.91
182	6	-6333.08	-44.64	0.35	0.0	0.0	-43.22	60.33	8.47	-18.75	-867.41	-1.237e+04
		-1.237e+04	-867.41	1.11	0.0	100.2	-43.22	60.33	8.47	-18.75	-44.64	-6333.08
182	7	-8977.77	49.23	0.60	0.0	0.0	-76.01	84.04	6.18	-13.35	-627.59	-1.738e+04
		-1.738e+04	-627.59	-1.11	0.0	100.2	-76.01	84.04	6.18	-13.35	49.23	-8977.77
182	8	-547.48	47.08	0.05	0.0	0.0	-6.49	4.71	8.31	4.44	-789.68	-1019.31
		-1019.31	-789.68	-0.04	0.0	100.2	-6.49	4.71	8.31	4.44	47.08	-547.48
182	9	-547.48	47.08	0.05	0.0	0.0	-6.49	4.71	8.31	4.44	-789.68	-1019.31
		-1019.31	-789.68	-0.04	0.0	100.2	-6.49	4.71	8.31	4.44	47.08	-547.48
182	10	-2229.10	-14.52	0.11	0.0	0.0	-13.76	21.43	2.74	-6.02	-280.03	-4374.66
		-4374.66	-280.03	0.35	0.0	100.2	-13.76	21.43	2.74	-6.02	-14.52	-2229.10
182	11	-3090.40	15.80	0.19	0.0	0.0	-24.20	29.33	2.07	-4.31	-210.95	-6024.17
		-6024.17	-210.95	-0.35	0.0	100.2	-24.20	29.33	2.07	-4.31	15.80	-3090.40
182	12	0.12	110.29	9.55e-05	0.0	0.0	-0.63	-0.07	-0.29	0.29	110.29	0.12
		-7.36	80.97	-8.78e-04	0.0	100.2	-0.63	-0.07	-0.29	0.29	80.97	-7.36
182	13	-4858.48	15.67	1.53	0.0	0.0	-1747.27	-207.64	14.09	-32.33	-1396.18	-4858.48
		-2.566e+04	-1396.18	5.68e-04	0.0	100.2	-1747.27	-207.64	14.09	-32.33	15.67	-2.566e+04
183	1	1950.42	2.68	-0.03	-29.66	0.0	469.83	97.89	0.11	-0.35	-8.76	-6372.05
		-6372.05	-8.76	-7.82e-05	0.0	100.2	476.14	68.23	0.11	-0.35	2.68	1950.42
183	2	4390.92	4.17	-0.03	0.0	0.0	583.80	106.11	0.30	-1.32	-25.91	-6240.40
		-6240.40	-25.91	-1.44e-04	0.0	100.2	583.80	106.11	0.30	-1.32	4.17	4390.92
183	3	8589.57	8.16	-0.06	0.0	0.0	1142.04	207.57	0.59	-2.58	-50.68	-1.221e+04
		-1.221e+04	-50.68	-2.81e-04	0.0	100.2	1142.04	207.57	0.59	-2.58	8.16	8589.57
183	4	-948.90	145.42	0.08	0.0	0.0	-10.17	8.53	26.40	15.16	-2515.00	-1802.87
		-1802.87	-2515.00	-0.11	0.0	100.2	-10.17	8.53	26.40	15.16	145.42	-948.90
183	5	-948.90	145.42	0.08	0.0	0.0	-10.17	8.53	26.40	15.16	-2515.00	-1802.87
		-1802.87	-2515.00	-0.11	0.0	100.2	-10.17	8.53	26.40	15.16	145.42	-948.90
183	6	-7438.83	-44.41	0.42	0.0	0.0	-51.04	71.35	8.55	-20.28	-882.60	-1.458e+04
		-1.458e+04	-882.60	1.11	0.0	100.2	-51.04	71.35	8.55	-20.28	-44.41	-7438.83
183	7	-9171.04	693.59	0.56	0.0	0.0	-69.84	87.00	-6.68	17.96	693.59	-1.788e+04
		-1.788e+04	46.28	-1.11	0.0	100.2	-69.84	87.00	-6.68	17.96	46.28	-9171.04
183	8	-301.75	46.31	0.02	0.0	0.0	-3.23	2.71	8.40	4.82	-799.76	-573.31
		-573.31	-799.76	-0.04	0.0	100.2	-3.23	2.71	8.40	4.82	46.31	-301.75
183	9	-301.75	46.31	0.02	0.0	0.0	-3.23	2.71	8.40	4.82	-799.76	-573.31
		-573.31	-799.76	-0.04	0.0	100.2	-3.23	2.71	8.40	4.82	46.31	-301.75
183	10	-2618.16	-14.43	0.13	0.0	0.0	-16.25	25.36	2.75	-6.49	-283.79	-5156.85
		-5156.85	-283.79	0.35	0.0	100.2	-16.25	25.36	2.75	-6.49	-14.43	-2618.16
183	11	-3196.72	223.65	0.18	0.0	0.0	-22.27	30.66	-2.16	5.81	223.65	-6265.76
		-6265.76	14.86	-0.35	0.0	100.2	-22.27	30.66	-2.16	5.81	14.86	-3196.72
183	12	-1.10	50.91	1.22e-04	0.0	0.0	-0.08	0.02	-0.10	0.27	50.91	-2.77
		-2.77	40.99	-4.63e-04	0.0	100.2	-0.08	0.02	-0.10	0.27	40.99	-1.10
183	13	-8740.53	1.40	1.59	0.0	0.0	-1561.43	-147.56	4.70	-6.68	-469.24	-8740.53
		-2.352e+04	-469.24	-2.59e-04	0.0	100.2	-1561.43	-147.56	4.70	-6.68	1.40	-2.352e+04
184	1	2224.25	2.48	-0.03	-29.66	0.0	475.54	100.44	-6.21e-03	3.54e-03	2.48	-6353.27
		-6353.27	1.85	-6.76e-05	0.0	100.2	481.85	70.78	-6.21e-03	3.54e-03	1.85	2224.25
184	2	5011.96	2.58	-0.03	0.0	0.0	601.01	112.59	-3.22e-03	6.44e-03	2.58	-6268.54
		-6268.54	2.26	-1.21e-04	0.0	100.2	601.01	112.59	-3.22e-03	6.44e-03	2.26	5011.96
184	3	9804.46	5.05	-0.07	0.0	0.0	1175.71	220.24	-6.29e-03	0.01	5.05	-1.226e+04
		-1.226e+04	4.42	-2.38e-04	0.0	100.2	1175.71	220.24	-6.29e-03	0.01	4.42	9804.46
184	4	6.55	144.76	-2.66e-04	0.0	0.0	-1.18	0.03	26.58	15.90	-2533.40	6.55
		3.47	-2533.40	-0.11	0.0	100.2	-1.18	0.03	26.58	15.90	144.76	3.47
184	5	6.55	144.76	-2.66e-04	0.0	0.0	-1.18	0.03	26.58	15.90	-2533.40	6.55
		3.47	-2533.40	-0.11	0.0	100.2	-1.18	0.03	26.58	15.90	144.76	3.47
184	6	-8090.83	-45.01	0.49	0.0	0.0	-61.26	76.26	7.55	-19.63	-787.97	-1.572e+04
		-1.572e+04	-787.97	1.11	0.0	100.2	-61.26	76.26	7.55	-19.63	-45.01	-8090.83
184	7	-8080.46	789.13	0.49	0.0	0.0	-60.88	76.28	-7.57	19.69	789.13	-1.572e+04
		-1.572e+04	44.10	-1.11	0.0	100.2	-60.88	76.28	-7.57	19.69	44.10	-8080.46
184	8	2.08	46.10	-8.45e-05	0.0	0.0	-0.38	9.79e-03	8.45	5.06	-805.54	2.08
		1.10	-805.54	-0.04	0.0	100.2	-0.38	9.79e-03	8.45	5.06	46.10	1.10
184	9	2.08	46.10	-8.45e-05	0.0	0.0	-0.38	9.79e-03	8.45	5.06	-805.54	2.08
		1.10	-805.54	-0.04	0.0	100.2	-0.38	9.79e-03	8.45	5.06	46.10	1.10
184	10	-2817.19	-14.56	0.16	0.0	0.0	-19.53	26.82	2.42	-6.32	-252.13	-5501.86
		-5501.86	-252.13	0.35	0.0	100.2	-19.53	26.82	2.42	-6.32	-14.56	-2817.19
184	11	-2813.33	252.48	0.16	0.0	0.0	-19.41	26.83	-2.42	6.34	252.48	-5498.95
		-5498.95	14.19	-0.35	0.0	100.2	-19.41	26.83	-2.42	6.34	14.19	-2813.33
184	12	-3.04	0.10	1.63e-04	0.0	0.0	-0.25	-0.01	-1.23e-03	-5.99e-06	0.10	-3.04
		-4.42	-0.03	0.0	0.0	100.2	-0.25	-0.01	-1.23e-03	-5.99e-06	-0.03	-4.42
184	13	-9234.04	-5.78	1.63	0.0	0.0	-1605.55	-160.67	7.88e-03	0.02	-6.57	-9234.04
		-2.533e+04	-6.57	-2.27e-04	0.0	100.2	-1605.55	-160.67	7.88e-03	0.02	-5.78	-2.533e+04
185	1	1950.33	13.68	-0.03	-29.66	0.0	469.83	97.89	-0.13	0.35	13.68	-6372.18

		-6372.18	1.02	-5.69e-05	0.0	100.2	476.14	68.23	-0.13	0.35	1.02	1950.33
185	2	4390.46	30.97	-0.03	0.0	0.0	583.81	106.11	-0.31	1.33	30.97	-6240.95
		-6240.95	0.32	-9.90e-05	0.0	100.2	583.81	106.11	-0.31	1.33	0.32	4390.46
185	3	8588.67	60.58	-0.06	0.0	0.0	1142.06	207.57	-0.60	2.60	60.58	-1.221e+04
		-1.221e+04	0.62	-1.94e-04	0.0	100.2	1142.06	207.57	-0.60	2.60	0.62	8588.67
185	4	1803.72	145.50	-0.08	0.0	0.0	-9.30	-8.53	26.41	15.15	-2515.44	1803.72
		949.48	-2515.44	-0.11	0.0	100.2	-9.30	-8.53	26.41	15.15	145.50	949.48
185	5	1803.72	145.50	-0.08	0.0	0.0	-9.30	-8.53	26.41	15.15	-2515.44	1803.72
		949.48	-2515.44	-0.11	0.0	100.2	-9.30	-8.53	26.41	15.15	145.50	949.48
185	6	-9165.22	-47.07	0.56	0.0	0.0	-70.23	87.15	6.66	-17.91	-691.31	-1.789e+04
		-1.789e+04	-691.31	1.11	0.0	100.2	-70.23	87.15	6.66	-17.91	-47.07	-9165.22
185	7	-7426.57	882.93	0.42	0.0	0.0	-50.73	71.26	-8.56	20.30	882.93	-1.456e+04
		-1.456e+04	43.45	-1.11	0.0	100.2	-50.73	71.26	-8.56	20.30	43.45	-7426.57
185	8	573.58	46.33	-0.02	0.0	0.0	-2.96	-2.71	8.40	4.82	-799.90	573.58
		301.94	-799.90	-0.04	0.0	100.2	-2.96	-2.71	8.40	4.82	46.33	301.94
185	9	573.58	46.33	-0.02	0.0	0.0	-2.96	-2.71	8.40	4.82	-799.90	573.58
		301.94	-799.90	-0.04	0.0	100.2	-2.96	-2.71	8.40	4.82	46.33	301.94
185	10	-3194.07	-15.17	0.18	0.0	0.0	-22.39	30.72	2.15	-5.80	-222.89	-6268.49
		-6268.49	-222.89	0.35	0.0	100.2	-22.39	30.72	2.15	-5.80	-15.17	-3194.07
185	11	-2613.51	283.90	0.13	0.0	0.0	-16.16	25.33	-2.76	6.50	283.90	-5148.79
		-5148.79	14.03	-0.35	0.0	100.2	-16.16	25.33	-2.76	6.50	14.03	-2613.51
185	12	-1.10	-41.04	1.22e-04	0.0	0.0	-0.11	0.02	0.10	-0.27	-50.71	-2.76
		-2.76	-50.71	4.64e-04	0.0	100.2	-0.11	0.02	0.10	-0.27	-41.04	-1.10
185	13	-8733.17	457.29	1.59	0.0	0.0	-1561.36	-147.59	-4.69	6.74	457.29	-8733.17
		-2.352e+04	-12.87	-3.14e-04	0.0	100.2	-1561.36	-147.59	-4.69	6.74	-12.87	-2.352e+04
186	1	2290.12	1.50	-0.03	-29.66	0.0	502.69	105.44	0.21	-0.96	-19.39	-6788.93
		-6788.93	-19.39	-5.03e-05	0.0	100.2	509.00	75.79	0.21	-0.96	1.50	2290.12
186	2	5724.45	1.98	-0.04	0.0	0.0	663.99	126.23	0.52	-3.04	-49.78	-6922.54
		-6922.54	-49.78	-8.89e-05	0.0	100.2	663.99	126.23	0.52	-3.04	1.98	5724.45
186	3	1.120e+04	3.87	-0.08	0.0	0.0	1298.90	246.92	1.01	-5.94	-97.38	-1.354e+04
		-1.354e+04	-97.38	-1.74e-04	0.0	100.2	1298.90	246.92	1.01	-5.94	3.87	1.120e+04
186	4	3205.48	148.05	-0.14	0.0	0.0	19.02	-14.81	26.14	13.97	-2484.02	3205.48
		1721.83	-2484.02	-0.11	0.0	100.2	19.02	-14.81	26.14	13.97	148.05	1721.83
186	5	3205.48	148.05	-0.14	0.0	0.0	19.02	-14.81	26.14	13.97	-2484.02	3205.48
		1721.83	-2484.02	-0.11	0.0	100.2	19.02	-14.81	26.14	13.97	148.05	1721.83
186	6	-8977.62	628.70	0.59	0.0	0.0	-76.36	83.97	-6.18	13.32	628.70	-1.738e+04
		-1.738e+04	-50.02	1.11	0.0	100.2	-76.36	83.97	-6.18	13.32	-50.02	-8977.62
186	7	-6337.66	868.33	0.35	0.0	0.0	-42.97	60.11	-8.47	18.77	868.33	-1.236e+04
		-1.236e+04	43.76	-1.11	0.0	100.2	-42.97	60.11	-8.47	18.77	43.76	-6337.66
186	8	1019.17	47.14	-0.05	0.0	0.0	6.05	-4.71	8.31	4.44	-789.97	1019.17
		547.45	-789.97	-0.04	0.0	100.2	6.05	-4.71	8.31	4.44	47.14	547.45
186	9	1019.17	47.14	-0.05	0.0	0.0	6.05	-4.71	8.31	4.44	-789.97	1019.17
		547.45	-789.97	-0.04	0.0	100.2	6.05	-4.71	8.31	4.44	47.14	547.45
186	10	-3090.43	211.54	0.19	0.0	0.0	-24.31	29.30	-2.08	4.30	211.54	-6021.31
		-6021.31	-16.11	0.35	0.0	100.2	-24.31	29.30	-2.08	4.30	-16.11	-3090.43
186	11	-2231.20	280.43	0.11	0.0	0.0	-13.69	21.34	-2.74	6.02	280.43	-4368.41
		-4368.41	14.14	-0.35	0.0	100.2	-13.69	21.34	-2.74	6.02	14.14	-2231.20
186	12	0.13	-81.03	9.55e-05	0.0	0.0	-0.71	-0.07	0.29	-0.29	-110.05	0.13
		-7.37	-110.05	8.79e-04	0.0	100.2	-0.71	-0.07	0.29	-0.29	-81.03	-7.37
186	13	-4841.62	1386.36	1.53	0.0	0.0	-1747.00	-207.73	-14.11	32.43	1386.36	-4841.62
		-2.565e+04	-27.38	-7.44e-04	0.0	100.2	-1747.00	-207.73	-14.11	32.43	-27.38	-2.565e+04
187	1	2376.98	130.48	-0.02	-29.66	0.0	321.61	75.79	-1.44	1.59	130.48	-3731.30
		-3731.30	-13.65	-5.05e-05	0.0	100.2	327.92	46.14	-1.44	1.59	-13.65	2376.98
187	2	1730.41	374.51	2.23e-03	0.0	0.0	252.74	45.43	-3.92	-3.34	374.51	-2821.79
		-2821.79	-18.18	-1.70e-04	0.0	100.2	252.74	45.43	-3.92	-3.34	-18.18	1730.41
187	3	3385.05	732.62	4.37e-03	0.0	0.0	494.41	88.88	-7.67	-6.54	732.62	-5520.02
		-5520.02	-35.57	-3.33e-04	0.0	100.2	494.41	88.88	-7.67	-6.54	-35.57	3385.05
187	4	3888.61	214.58	-0.20	0.0	0.0	77.74	-18.38	19.68	15.56	-1766.00	3888.61
		2046.91	-1766.00	-0.11	0.0	100.2	77.74	-18.38	19.68	15.56	214.58	2046.91
187	5	3888.61	214.58	-0.20	0.0	0.0	77.74	-18.38	19.68	15.56	-1766.00	3888.61
		2046.91	-1766.00	-0.11	0.0	100.2	77.74	-18.38	19.68	15.56	214.58	2046.91
187	6	-6436.45	519.63	0.58	0.0	0.0	-60.23	58.06	-5.44	20.10	519.63	-1.225e+04
		-1.225e+04	-51.41	1.11	0.0	100.2	-60.23	58.06	-5.44	20.10	-51.41	-6436.45
187	7	-3382.82	589.80	0.28	0.0	0.0	-34.86	31.10	-5.76	22.66	589.80	-6498.35
		-6498.35	44.86	-1.11	0.0	100.2	-34.86	31.10	-5.76	22.66	44.86	-3382.82
187	8	1236.51	68.28	-0.06	0.0	0.0	24.72	-5.84	6.26	4.95	-561.56	1236.51
		650.89	-561.56	-0.04	0.0	100.2	24.72	-5.84	6.26	4.95	68.28	650.89
187	9	1236.51	68.28	-0.06	0.0	0.0	24.72	-5.84	6.26	4.95	-561.56	1236.51
		650.89	-561.56	-0.04	0.0	100.2	24.72	-5.84	6.26	4.95	68.28	650.89
187	10	-2085.96	176.07	0.18	0.0	0.0	-19.19	18.88	-1.82	6.88	176.07	-3977.09
		-3977.09	-16.65	0.35	0.0	100.2	-19.19	18.88	-1.82	6.88	-16.65	-2085.96
187	11	-1110.41	190.93	0.09	0.0	0.0	-11.12	10.24	-1.87	7.55	190.93	-2136.52
		-2136.52	14.49	-0.35	0.0	100.2	-11.12	10.24	-1.87	7.55	14.49	-1110.41
187	12	15.13	-136.96	-2.63e-04	0.0	0.0	1.60	-0.09	1.16	-1.70	-253.50	15.13
		5.66	-253.50	1.26e-03	0.0	100.2	1.60	-0.09	1.16	-1.70	-136.96	5.66
187	13	-1.360e+04	1233.76	1.23	0.0	0.0	-728.38	-14.15	-12.06	48.23	1233.76	-1.360e+04

		-1.502e+04	25.36	-8.20e-04	0.0	100.2	-728.38	-14.15	-12.06	48.23	25.36	-1.502e+04
188	1	269.13	153.02	0.04	10.52	0.0	18.58	-6.27	-1.57	-0.11	153.02	269.13
		-103.38	-160.61	2.48e-03	0.0	199.9	20.82	4.25	-1.57	-0.11	-160.61	67.45
188	2	764.90	397.47	0.01	40.32	0.0	11.22	-21.15	-4.01	0.20	397.47	764.90
		-341.56	-403.23	5.77e-03	0.0	199.9	19.80	19.17	-4.01	0.20	-403.23	566.83
188	3	1496.30	777.55	0.03	78.88	0.0	21.96	-41.38	-7.84	0.38	777.55	1496.30
		-668.16	-788.79	0.01	0.0	199.9	38.74	37.50	-7.84	0.38	-788.79	1108.83
188	4	69.87	558.12	-0.38	0.0	0.0	65.96	-0.43	-5.44	0.90	558.12	69.87
		-22.54	-529.23	0.22	0.0	199.9	65.96	-0.43	-5.44	0.90	-529.23	-22.54
188	5	69.87	558.12	-0.38	0.0	0.0	65.96	-0.43	-5.44	0.90	558.12	69.87
		-22.54	-529.23	0.22	0.0	199.9	65.96	-0.43	-5.44	0.90	-529.23	-22.54
188	6	110.84	453.26	-0.56	0.0	0.0	10.72	-0.54	-4.52	-1.53	453.26	110.84
		4.97	-450.50	-1.08	0.0	199.9	10.72	-0.54	-4.52	-1.53	-450.50	4.97
188	7	198.89	705.68	-1.14	0.0	0.0	-11.65	-0.94	-7.06	-1.33	705.68	198.89
		11.71	-706.21	1.09	0.0	199.9	-11.65	-0.94	-7.06	-1.33	-706.21	11.71
188	8	22.22	177.49	-0.12	0.0	0.0	20.97	-0.14	-1.73	0.29	177.49	22.22
		-7.17	-168.31	0.07	0.0	199.9	20.97	-0.14	-1.73	0.29	-168.31	-7.17
188	9	22.22	177.49	-0.12	0.0	0.0	20.97	-0.14	-1.73	0.29	177.49	22.22
		-7.17	-168.31	0.07	0.0	199.9	20.97	-0.14	-1.73	0.29	-168.31	-7.17
188	10	37.03	149.77	-0.18	0.0	0.0	3.41	-0.18	-1.49	-0.51	149.77	37.03
		1.60	-148.93	-0.34	0.0	199.9	3.41	-0.18	-1.49	-0.51	-148.93	1.60
188	11	65.31	232.86	-0.36	0.0	0.0	-3.73	-0.31	-2.33	-0.45	232.86	65.31
		3.73	-233.02	0.35	0.0	199.9	-3.73	-0.31	-2.33	-0.45	-233.02	3.73
188	12	2.58	17.67	1.45e-03	0.0	0.0	-0.71	-0.04	-0.16	0.08	17.67	2.58
		-4.73	-14.36	1.44e-03	0.0	199.9	-0.71	-0.04	-0.16	0.08	-14.36	-4.73
188	13	1013.81	1294.27	-2.44	-99.94	0.0	-35.25	50.88	-12.86	-3.16	1294.27	-1574.29
		-1574.29	-1275.81	-0.02	0.0	199.9	-35.25	-49.06	-12.86	-3.16	-1275.81	-1391.90
189	1	309.08	88.44	0.04	10.52	0.0	-1.59	-6.41	-0.88	0.05	88.44	309.08
		-80.78	-87.33	1.27e-03	0.0	199.9	0.65	4.11	-0.88	0.05	-87.33	79.63
189	2	1549.31	251.53	0.03	80.64	0.0	-9.67	-42.07	-2.51	0.39	251.53	1549.31
		-639.99	-249.98	3.54e-03	0.0	199.9	7.48	38.58	-2.51	0.39	-249.98	1200.39
189	3	3030.79	492.04	0.07	157.76	0.0	-18.92	-82.29	-4.91	0.77	492.04	3030.79
		-1251.96	-489.02	6.92e-03	0.0	199.9	14.64	75.46	-4.91	0.77	-489.02	2348.22
189	4	68.26	728.91	-0.35	0.0	0.0	-0.18	-0.55	-7.24	0.54	728.91	68.26
		-48.66	-718.32	0.22	0.0	199.9	-0.18	-0.55	-7.24	0.54	-718.32	-48.66
189	5	68.26	728.91	-0.35	0.0	0.0	-0.18	-0.55	-7.24	0.54	728.91	68.26
		-48.66	-718.32	0.22	0.0	199.9	-0.18	-0.55	-7.24	0.54	-718.32	-48.66
189	6	147.07	818.55	-0.59	0.0	0.0	-1.14	-0.72	-8.18	-1.38	818.55	147.07
		7.59	-816.68	-1.08	0.0	199.9	-1.14	-0.72	-8.18	-1.38	-816.68	7.59
189	7	221.93	1239.71	-1.16	0.0	0.0	-1.60	-1.06	-12.41	-0.95	1239.71	221.93
		15.26	-1241.55	1.09	0.0	199.9	-1.60	-1.06	-12.41	-0.95	-1241.55	15.26
189	8	21.70	231.92	-0.11	0.0	0.0	-0.06	-0.18	-2.30	0.17	231.92	21.70
		-15.47	-228.55	0.07	0.0	199.9	-0.06	-0.18	-2.30	0.17	-228.55	-15.47
189	9	21.70	231.92	-0.11	0.0	0.0	-0.06	-0.18	-2.30	0.17	231.92	21.70
		-15.47	-228.55	0.07	0.0	199.9	-0.06	-0.18	-2.30	0.17	-228.55	-15.47
189	10	52.03	271.80	-0.19	0.0	0.0	-0.43	-0.25	-2.72	-0.45	271.80	52.03
		2.46	-271.21	-0.34	0.0	199.9	-0.43	-0.25	-2.72	-0.45	-271.21	2.46
189	11	76.80	407.67	-0.37	0.0	0.0	-0.55	-0.37	-4.08	-0.32	407.67	76.80
		4.86	-408.20	0.35	0.0	199.9	-0.55	-0.37	-4.08	-0.32	-408.20	4.86
189	12	5.41	10.93	2.60e-03	0.0	0.0	0.04	-0.08	-0.11	-0.02	10.93	5.41
		-10.72	-11.89	1.35e-03	0.0	199.9	0.04	-0.08	-0.11	-0.02	-11.89	-10.72
189	13	1731.48	2850.39	-2.60	-199.88	0.0	-6.15e-03	102.98	-28.52	-3.38	2850.39	-3566.23
		-3566.23	-2850.77	0.04	0.0	199.9	-6.15e-03	-96.90	-28.52	-3.38	-2850.77	-2958.42
190	1	332.77	299.00	0.04	10.52	0.0	-2.00	-6.66	3.00	0.30	-300.78	332.77
		-88.99	-300.78	4.06e-03	0.0	199.9	0.24	3.86	3.00	0.30	299.00	52.28
190	2	1571.49	777.36	0.05	80.64	0.0	-10.63	-42.52	7.79	0.73	-780.36	1571.49
		-663.02	-780.36	0.01	0.0	199.9	6.53	38.12	7.79	0.73	777.36	1132.15
190	3	3074.17	1520.69	0.10	157.76	0.0	-20.80	-83.18	15.25	1.42	-1526.54	3074.17
		-1297.02	-1526.54	0.02	0.0	199.9	12.77	74.58	15.25	1.42	1520.69	2214.72
190	4	50.55	631.36	-0.33	0.0	0.0	0.33	-0.26	-6.26	0.65	631.36	50.55
		-6.50	-619.42	0.22	0.0	199.9	0.33	-0.26	-6.26	0.65	-619.42	-6.50
190	5	50.55	631.36	-0.33	0.0	0.0	0.33	-0.26	-6.26	0.65	631.36	50.55
		-6.50	-619.42	0.22	0.0	199.9	0.33	-0.26	-6.26	0.65	-619.42	-6.50
190	6	177.68	607.57	-0.63	0.0	0.0	-1.35	-0.86	-6.07	-1.21	607.57	177.68
		6.58	-605.70	-1.08	0.0	199.9	-1.35	-0.86	-6.07	-1.21	-605.70	6.58
190	7	255.97	683.32	-1.17	0.0	0.0	-1.33	-1.24	-6.85	-0.82	683.32	255.97
		13.36	-684.97	1.09	0.0	199.9	-1.33	-1.24	-6.85	-0.82	-684.97	13.36
190	8	16.07	201.03	-0.10	0.0	0.0	0.11	-0.08	-1.99	0.21	201.03	16.07
		-2.07	-197.24	0.07	0.0	199.9	0.11	-0.08	-1.99	0.21	-197.24	-2.07
190	9	16.07	201.03	-0.10	0.0	0.0	0.11	-0.08	-1.99	0.21	201.03	16.07
		-2.07	-197.24	0.07	0.0	199.9	0.11	-0.08	-1.99	0.21	-197.24	-2.07
190	10	63.32	203.80	-0.20	0.0	0.0	-0.50	-0.31	-2.04	-0.39	203.80	63.32
		2.13	-203.20	-0.34	0.0	199.9	-0.50	-0.31	-2.04	-0.39	-203.20	2.13
190	11	89.49	226.34	-0.37	0.0	0.0	-0.48	-0.43	-2.27	-0.27	226.34	89.49
		4.26	-226.83	0.35	0.0	199.9	-0.48	-0.43	-2.27	-0.27	-226.83	4.26
190	12	1.31	10.79	8.49e-04	0.0	0.0	-0.02	-0.02	-0.11	-0.04	10.79	1.31

		-3.30	-11.43	1.25e-03	0.0	199.9	-0.02	-0.02	-0.11	-0.04	-11.43	-3.30
190	13	1798.77	2863.24	-2.78	-199.88	0.0	3.76	103.98	-28.62	-3.76	2863.24	-3598.79
		-3598.79	-2857.15	0.04	0.0	199.9	3.76	-95.90	-28.62	-3.76	-2857.15	-2791.29
191	1	341.97	247.43	0.06	10.52	0.0	29.87	-6.94	2.42	0.17	-235.62	341.97
		-114.05	-235.62	-3.50e-03	0.0	199.9	32.11	3.59	2.42	0.17	247.43	7.27
191	2	891.02	621.01	0.07	40.32	0.0	36.53	-22.76	6.14	0.41	-605.60	891.02
		-393.12	-605.60	-8.38e-03	0.0	199.9	45.11	17.56	6.14	0.41	621.01	371.10
191	3	1743.02	1214.82	0.13	78.88	0.0	71.47	-44.53	12.00	0.81	-1184.68	1743.02
		-769.03	-1184.68	-0.02	0.0	199.9	88.25	34.35	12.00	0.81	1214.82	725.94
191	4	49.75	465.97	-0.29	0.0	0.0	-67.07	0.21	-4.54	0.88	465.97	49.75
		10.79	-441.62	0.22	0.0	199.9	-67.07	0.21	-4.54	0.88	-441.62	10.79
191	5	49.75	465.97	-0.29	0.0	0.0	-67.07	0.21	-4.54	0.88	465.97	49.75
		10.79	-441.62	0.22	0.0	199.9	-67.07	0.21	-4.54	0.88	-441.62	10.79
191	6	198.80	267.59	-0.68	0.0	0.0	-11.64	-0.97	-2.67	-1.24	267.59	198.80
		7.28	-266.27	-1.08	0.0	199.9	-11.64	-0.97	-2.67	-1.24	-266.27	7.28
191	7	281.95	290.83	-1.17	0.0	0.0	-8.31	-1.37	2.92	-0.92	-291.91	281.95
		13.66	-291.91	1.09	0.0	199.9	-8.31	-1.37	2.92	-0.92	290.83	13.66
191	8	15.82	148.28	-0.09	0.0	0.0	-21.32	0.07	-1.44	0.28	148.28	15.82
		3.43	-140.55	0.07	0.0	199.9	-21.32	0.07	-1.44	0.28	-140.55	3.43
191	9	15.82	148.28	-0.09	0.0	0.0	-21.32	0.07	-1.44	0.28	148.28	15.82
		3.43	-140.55	0.07	0.0	199.9	-21.32	0.07	-1.44	0.28	-140.55	3.43
191	10	70.30	91.38	-0.22	0.0	0.0	-3.71	-0.35	-0.91	-0.40	91.38	70.30
		2.33	-90.99	-0.34	0.0	199.9	-3.71	-0.35	-0.91	-0.40	-90.99	2.33
191	11	97.81	100.67	-0.37	0.0	0.0	-2.66	-0.48	1.01	-0.30	-100.98	97.81
		4.38	-100.98	0.35	0.0	199.9	-2.66	-0.48	1.01	-0.30	100.67	4.38
191	12	1.03	13.40	-2.81e-04	0.0	0.0	0.21	8.70e-03	-0.12	3.57e-03	13.40	-0.71
		-0.71	-11.43	1.15e-03	0.0	199.9	0.21	8.70e-03	-0.12	3.57e-03	-11.43	1.03
191	13	1136.14	1199.11	-2.95	-99.94	0.0	-105.93	54.70	-12.20	-2.69	1199.11	-1853.42
		-1853.42	-1239.49	0.02	0.0	199.9	-105.93	-45.24	-12.20	-2.69	-1239.49	-908.22
192	1	345.12	196.61	0.06	10.52	0.0	30.93	-6.97	-2.03	-0.04	196.61	345.12
		-115.94	-208.64	3.23e-03	0.0	199.9	33.17	3.55	-2.03	-0.04	-208.64	3.08
192	2	894.51	510.91	0.07	40.32	0.0	38.09	-22.84	-5.19	0.01	510.91	894.51
		-397.90	-526.56	7.60e-03	0.0	199.9	46.67	17.49	-5.19	0.01	-526.56	359.88
192	3	1749.86	999.44	0.14	78.88	0.0	74.51	-44.67	-10.15	0.03	999.44	1749.86
		-778.38	-1030.06	0.01	0.0	199.9	91.29	34.21	-10.15	0.03	-1030.06	704.00
192	4	54.29	544.61	-0.27	0.0	0.0	67.10	-0.28	-5.32	0.87	544.61	54.29
		-5.93	-518.94	0.22	0.0	199.9	67.10	-0.28	-5.32	0.87	-518.94	-5.93
192	5	54.29	544.61	-0.27	0.0	0.0	67.10	-0.28	-5.32	0.87	544.61	54.29
		-5.93	-518.94	0.22	0.0	199.9	67.10	-0.28	-5.32	0.87	-518.94	-5.93
192	6	210.04	554.77	-0.69	0.0	0.0	10.42	-1.03	-5.54	-1.30	554.77	210.04
		7.12	-551.99	-1.08	0.0	199.9	10.42	-1.03	-5.54	-1.30	-551.99	7.12
192	7	291.01	576.47	-1.17	0.0	0.0	-12.95	-1.42	-5.77	-0.89	576.47	291.01
		14.67	-575.99	1.09	0.0	199.9	-12.95	-1.42	-5.77	-0.89	-575.99	14.67
192	8	17.26	173.28	-0.09	0.0	0.0	21.33	-0.09	-1.69	0.28	173.28	17.26
		-1.88	-165.12	0.07	0.0	199.9	21.33	-0.09	-1.69	0.28	-165.12	-1.88
192	9	17.26	173.28	-0.09	0.0	0.0	21.33	-0.09	-1.69	0.28	173.28	17.26
		-1.88	-165.12	0.07	0.0	199.9	21.33	-0.09	-1.69	0.28	-165.12	-1.88
192	10	74.47	189.97	-0.22	0.0	0.0	3.32	-0.37	-1.90	-0.42	189.97	74.47
		2.28	-189.14	-0.34	0.0	199.9	3.32	-0.37	-1.90	-0.42	-189.14	2.28
192	11	101.26	201.26	-0.37	0.0	0.0	-4.16	-0.50	-2.01	-0.29	201.26	101.26
		4.71	-201.10	0.35	0.0	199.9	-4.16	-0.50	-2.01	-0.29	-201.10	4.71
192	12	0.34	11.66	-1.67e-05	0.0	0.0	-0.33	-4.61e-03	-0.11	0.01	11.66	0.34
		-0.58	-9.65	1.10e-03	0.0	199.9	-0.33	-4.61e-03	-0.11	0.01	-9.65	-0.58
192	13	1151.85	510.44	-2.99	-99.94	0.0	-103.49	54.84	-4.89	-1.70	510.44	-1853.92
		-1853.92	-467.42	-7.93e-03	0.0	199.9	-103.49	-45.10	-4.89	-1.70	-467.42	-879.90
193	1	352.72	222.50	0.05	10.52	0.0	-1.95	-6.90	-2.22	-0.16	222.50	352.72
		-97.95	-220.89	3.00e-03	0.0	199.9	0.29	3.63	-2.22	-0.16	-220.89	25.98
193	2	1589.88	589.74	0.07	80.64	0.0	-10.51	-42.95	-5.89	-0.31	589.74	1589.88
		-688.73	-587.04	7.93e-03	0.0	199.9	6.65	37.70	-5.89	-0.31	-587.04	1065.00
193	3	3110.14	1153.65	0.14	157.76	0.0	-20.56	-84.02	-11.52	-0.60	1153.65	3110.14
		-1347.30	-1148.38	0.02	0.0	199.9	13.01	73.74	-11.52	-0.60	-1148.38	2083.36
193	4	47.58	733.12	-0.23	0.0	0.0	-0.33	-0.25	-7.27	0.72	733.12	47.58
		-6.40	-720.80	0.22	0.0	199.9	-0.33	-0.25	-7.27	0.72	-720.80	-6.40
193	5	47.58	733.12	-0.23	0.0	0.0	-0.33	-0.25	-7.27	0.72	733.12	47.58
		-6.40	-720.80	0.22	0.0	199.9	-0.33	-0.25	-7.27	0.72	-720.80	-6.40
193	6	242.26	879.09	-0.72	0.0	0.0	-1.28	-1.20	-8.78	-1.36	879.09	242.26
		7.88	-876.50	-1.08	0.0	199.9	-1.28	-1.20	-8.78	-1.36	-876.50	7.88
193	7	312.48	816.99	-1.14	0.0	0.0	-0.90	-1.53	-8.18	0.96	816.99	312.48
		14.35	-817.32	1.09	0.0	199.9	-0.90	-1.53	-8.18	0.96	-817.32	14.35
193	8	15.13	233.46	-0.07	0.0	0.0	-0.10	-0.08	-2.32	0.23	233.46	15.13
		-2.04	-229.54	0.07	0.0	199.9	-0.10	-0.08	-2.32	0.23	-229.54	-2.04
193	9	15.13	233.46	-0.07	0.0	0.0	-0.10	-0.08	-2.32	0.23	233.46	15.13
		-2.04	-229.54	0.07	0.0	199.9	-0.10	-0.08	-2.32	0.23	-229.54	-2.04
193	10	87.26	296.16	-0.23	0.0	0.0	-0.48	-0.43	-2.96	-0.43	296.16	87.26
		2.55	-295.37	-0.34	0.0	199.9	-0.48	-0.43	-2.96	-0.43	-295.37	2.55
193	11	110.72	276.94	-0.36	0.0	0.0	-0.31	-0.54	-2.77	0.31	276.94	110.72

		4.59	-276.96	0.35	0.0	199.9	-0.31	-0.54	-2.77	0.31	-276.96	4.59
193	12	0.74	5.49	4.60e-05	0.0	0.0	0.03	-9.53e-03	-0.06	-7.35e-03	5.49	0.74
		-1.17	-6.12	9.43e-04	0.0	199.9	0.03	-9.53e-03	-0.06	-7.35e-03	-6.12	-1.17
193	13	1883.68	890.31	-3.04	-199.88	0.0	2.40	104.80	-8.93	-0.61	890.31	-3596.16
		-3596.16	-894.28	0.01	0.0	199.9	2.40	-95.07	-8.93	-0.61	-894.28	-2624.10
194	1	345.34	165.35	0.05	10.52	0.0	-1.87	-6.81	1.66	0.04	-167.00	345.34
		-94.47	-167.00	2.28e-03	0.0	199.9	0.37	3.71	1.66	0.04	165.35	35.97
194	2	1574.71	440.00	0.06	80.64	0.0	-10.31	-42.73	4.42	-0.06	-442.64	1574.71
		-680.75	-442.64	5.98e-03	0.0	199.9	6.85	37.91	4.42	-0.06	440.00	1093.47
194	3	3080.47	860.73	0.13	157.76	0.0	-20.17	-83.59	8.64	-0.11	-865.89	3080.47
		-1331.70	-865.89	0.01	0.0	199.9	13.39	74.17	8.64	-0.11	860.73	2139.06
194	4	18.33	696.51	-0.20	0.0	0.0	0.38	0.15	-6.91	0.79	696.51	-33.60
		-33.60	-683.92	0.22	0.0	199.9	0.38	0.15	-6.91	0.79	-683.92	18.33
194	5	18.33	696.51	-0.20	0.0	0.0	0.38	0.15	-6.91	0.79	696.51	-33.60
		-33.60	-683.92	0.22	0.0	199.9	0.38	0.15	-6.91	0.79	-683.92	18.33
194	6	250.76	591.85	-0.76	0.0	0.0	-1.15	-1.24	-5.91	-1.30	591.85	250.76
		9.03	-589.35	-1.08	0.0	199.9	-1.15	-1.24	-5.91	-1.30	-589.35	9.03
194	7	313.58	593.14	-1.12	0.0	0.0	-0.74	-1.54	5.95	1.16	-595.27	313.58
		12.19	-595.27	1.09	0.0	199.9	-0.74	-1.54	5.95	1.16	593.14	12.19
194	8	5.83	221.80	-0.06	0.0	0.0	0.12	0.05	-2.20	0.25	221.80	-10.68
		-10.68	-217.79	0.07	0.0	199.9	0.12	0.05	-2.20	0.25	-217.79	5.83
194	9	5.83	221.80	-0.06	0.0	0.0	0.12	0.05	-2.20	0.25	221.80	-10.68
		-10.68	-217.79	0.07	0.0	199.9	0.12	0.05	-2.20	0.25	-217.79	5.83
194	10	90.28	197.56	-0.24	0.0	0.0	-0.43	-0.45	-1.97	-0.42	197.56	90.28
		2.92	-196.78	-0.34	0.0	199.9	-0.43	-0.45	-1.97	-0.42	-196.78	2.92
194	11	111.38	202.53	-0.35	0.0	0.0	-0.25	-0.55	2.03	0.37	-203.21	111.38
		3.89	-203.21	0.35	0.0	199.9	-0.25	-0.55	2.03	0.37	202.53	3.89
194	12	0.83	4.96	-4.16e-04	0.0	0.0	-8.41e-03	6.14e-03	-0.05	-7.28e-03	4.96	-0.40
		-0.40	-5.32	7.90e-04	0.0	199.9	-8.41e-03	6.14e-03	-0.05	-7.28e-03	-5.32	0.83
194	13	1872.03	903.80	-3.07	-199.88	0.0	2.64	104.22	-9.02	-0.73	903.80	-3549.31
		-3549.31	-899.10	0.01	0.0	199.9	2.64	-95.66	-9.02	-0.73	-899.10	-2694.24
195	1	329.64	189.22	0.05	10.52	0.0	27.81	-6.79	1.84	0.04	-178.16	329.64
		-108.21	-178.16	-2.73e-03	0.0	199.9	30.05	3.73	1.84	0.04	189.22	23.40
195	2	859.86	473.99	0.05	40.32	0.0	31.57	-22.36	4.67	-0.01	-460.42	859.86
		-379.55	-460.42	-6.43e-03	0.0	199.9	40.14	17.96	4.67	-0.01	473.99	419.45
195	3	1682.06	927.23	0.10	78.88	0.0	61.75	-43.75	9.15	-0.03	-900.67	1682.06
		-742.48	-900.67	-0.01	0.0	199.9	78.53	35.13	9.15	-0.03	927.23	820.54
195	4	11.26	509.83	-0.16	0.0	0.0	-66.59	0.13	-4.98	0.97	509.83	-28.57
		-28.57	-485.52	0.22	0.0	199.9	-66.59	0.13	-4.98	0.97	-485.52	11.26
195	5	11.26	509.83	-0.16	0.0	0.0	-66.59	0.13	-4.98	0.97	509.83	-28.57
		-28.57	-485.52	0.22	0.0	199.9	-66.59	0.13	-4.98	0.97	-485.52	11.26
195	6	240.33	344.54	-0.81	0.0	0.0	-12.08	-1.18	3.45	-1.33	-345.72	240.33
		8.66	-345.72	-1.08	0.0	199.9	-12.08	-1.18	3.45	-1.33	344.54	8.66
195	7	296.83	482.09	-1.10	0.0	0.0	-8.97	-1.45	4.84	1.24	-484.76	296.83
		11.37	-484.76	1.09	0.0	199.9	-8.97	-1.45	4.84	1.24	482.09	11.37
195	8	3.58	162.20	-0.05	0.0	0.0	-21.17	0.04	-1.58	0.31	162.20	-9.08
		-9.08	-154.48	0.07	0.0	199.9	-21.17	0.04	-1.58	0.31	-154.48	3.58
195	9	3.58	162.20	-0.05	0.0	0.0	-21.17	0.04	-1.58	0.31	162.20	-9.08
		-9.08	-154.48	0.07	0.0	199.9	-21.17	0.04	-1.58	0.31	-154.48	3.58
195	10	85.20	122.46	-0.26	0.0	0.0	-3.85	-0.42	1.23	-0.42	-122.80	85.20
		2.79	-122.80	-0.34	0.0	199.9	-3.85	-0.42	1.23	-0.42	122.46	2.79
195	11	104.22	169.77	-0.35	0.0	0.0	-2.88	-0.51	1.70	0.40	-170.53	104.22
		3.63	-170.53	0.35	0.0	199.9	-2.88	-0.51	1.70	0.40	169.77	3.63
195	12	0.71	6.55	-3.88e-04	0.0	0.0	0.10	5.40e-03	-0.06	0.01	6.55	-0.37
		-0.37	-5.55	6.38e-04	0.0	199.9	0.10	5.40e-03	-0.06	0.01	-5.55	0.71
195	13	1120.77	329.69	-3.11	-99.94	0.0	-92.45	53.53	-3.48	-0.61	329.69	-1737.50
		-1737.50	-366.31	6.35e-03	0.0	199.9	-92.45	-46.41	-3.48	-0.61	-366.31	-1025.72
196	1	327.64	186.94	0.05	10.52	0.0	28.86	-6.78	-1.93	-0.09	186.94	327.64
		-108.33	-198.18	3.05e-03	0.0	199.9	31.10	3.74	-1.93	-0.09	-198.18	24.41
196	2	855.69	483.84	0.05	40.32	0.0	32.96	-22.32	-4.91	-0.16	483.84	855.69
		-379.08	-497.58	7.14e-03	0.0	199.9	41.54	18.00	-4.91	-0.16	-497.58	423.53
196	3	1673.91	946.49	0.10	78.88	0.0	64.47	-43.67	-9.61	-0.32	946.49	1673.91
		-741.56	-973.37	0.01	0.0	199.9	81.25	35.21	-9.61	-0.32	-973.37	828.52
196	4	31.16	550.65	-0.14	0.0	0.0	67.43	-0.19	-5.38	0.95	550.65	31.16
		-10.23	-525.44	0.22	0.0	199.9	67.43	-0.19	-5.38	0.95	-525.44	-10.23
196	5	31.16	550.65	-0.14	0.0	0.0	67.43	-0.19	-5.38	0.95	550.65	31.16
		-10.23	-525.44	0.22	0.0	199.9	67.43	-0.19	-5.38	0.95	-525.44	-10.23
196	6	241.05	495.00	-0.83	0.0	0.0	10.08	-1.19	-4.93	-1.42	495.00	241.05
		8.12	-491.37	-1.08	0.0	199.9	10.08	-1.19	-4.93	-1.42	-491.37	8.12
196	7	292.59	342.73	-1.09	0.0	0.0	-13.02	-1.43	-3.42	1.20	342.73	292.59
		12.06	-341.67	1.09	0.0	199.9	-13.02	-1.43	-3.42	1.20	-341.67	12.06
196	8	9.91	175.11	-0.04	0.0	0.0	21.44	-0.06	-1.71	0.30	175.11	9.91
		-3.25	-167.10	0.07	0.0	199.9	21.44	-0.06	-1.71	0.30	-167.10	-3.25
196	9	9.91	175.11	-0.04	0.0	0.0	21.44	-0.06	-1.71	0.30	175.11	9.91
		-3.25	-167.10	0.07	0.0	199.9	21.44	-0.06	-1.71	0.30	-167.10	-3.25
196	10	85.30	164.01	-0.26	0.0	0.0	3.21	-0.42	-1.64	-0.46	164.01	85.30

		2.61	-162.91	-0.34	0.0	199.9	3.21	-0.42	-1.64	-0.46	-162.91	2.61
196	11	102.75	120.59	-0.35	0.0	0.0	-4.17	-0.51	-1.21	0.39	120.59	102.75
		3.85	-120.28	0.35	0.0	199.9	-4.17	-0.51	-1.21	0.39	-120.28	3.85
196	12	0.43	6.07	-9.02e-05	0.0	0.0	-0.13	-5.76e-03	-0.06	0.01	6.07	0.43
		-0.72	-5.05	5.72e-04	0.0	199.9	-0.13	-5.76e-03	-0.06	0.01	-5.05	-0.72
196	13	1120.55	231.95	-3.12	-99.94	0.0	-93.01	53.42	-2.13	-0.29	231.95	-1725.30
		-1725.30	-193.78	-4.14e-03	0.0	199.9	-93.01	-46.52	-2.13	-0.29	-193.78	-1035.60
197	1	334.44	194.53	0.05	10.52	0.0	-1.88	-6.72	-1.94	-0.09	194.53	334.44
		-94.24	-193.00	2.62e-03	0.0	199.9	0.36	3.80	-1.94	-0.09	-193.00	42.87
197	2	1552.29	513.29	0.06	80.64	0.0	-10.34	-42.49	-5.12	-0.12	513.29	1552.29
		-679.21	-510.80	6.90e-03	0.0	199.9	6.82	38.15	-5.12	-0.12	-510.80	1118.99
197	3	3036.61	1004.10	0.11	157.76	0.0	-20.23	-83.12	-10.02	-0.23	1004.10	3036.61
		-1328.67	-999.22	0.01	0.0	199.9	13.34	74.64	-10.02	-0.23	-999.22	2188.97
197	4	23.34	779.54	-0.10	0.0	0.0	-0.34	-0.17	-7.74	0.82	779.54	23.34
		-14.67	-767.20	0.22	0.0	199.9	-0.34	-0.17	-7.74	0.82	-767.20	-14.67
197	5	23.34	779.54	-0.10	0.0	0.0	-0.34	-0.17	-7.74	0.82	779.54	23.34
		-14.67	-767.20	0.22	0.0	199.9	-0.34	-0.17	-7.74	0.82	-767.20	-14.67
197	6	255.05	731.45	-0.86	0.0	0.0	-0.74	-1.26	-7.30	-1.48	731.45	255.05
		8.76	-727.79	-1.08	0.0	199.9	-0.74	-1.26	-7.30	-1.48	-727.79	8.76
197	7	292.10	424.71	-1.04	0.0	0.0	-0.34	-1.43	-4.24	1.22	424.71	292.10
		12.13	-422.84	1.09	0.0	199.9	-0.34	-1.43	-4.24	1.22	-422.84	12.13
197	8	7.42	247.91	-0.03	0.0	0.0	-0.11	-0.06	-2.46	0.26	247.91	7.42
		-4.67	-243.98	0.07	0.0	199.9	-0.11	-0.06	-2.46	0.26	-243.98	-4.67
197	9	7.42	247.91	-0.03	0.0	0.0	-0.11	-0.06	-2.46	0.26	247.91	7.42
		-4.67	-243.98	0.07	0.0	199.9	-0.11	-0.06	-2.46	0.26	-243.98	-4.67
197	10	91.08	239.34	-0.27	0.0	0.0	-0.27	-0.45	-2.39	-0.48	239.34	91.08
		2.80	-238.20	-0.34	0.0	199.9	-0.27	-0.45	-2.39	-0.48	-238.20	2.80
197	11	103.87	144.85	-0.33	0.0	0.0	-0.11	-0.51	-1.45	0.40	144.85	103.87
		3.88	-144.24	0.35	0.0	199.9	-0.11	-0.51	-1.45	0.40	-144.24	3.88
197	12	0.96	2.35	1.50e-04	0.0	0.0	0.02	-0.01	-0.03	-2.04e-03	2.35	0.96
		-1.80	-2.66	3.93e-04	0.0	199.9	0.02	-0.01	-0.03	-2.04e-03	-2.66	-1.80
197	13	1874.23	319.01	-3.13	-199.88	0.0	2.25	103.57	-3.21	-0.23	319.01	-3482.41
		-3482.41	-322.86	4.78e-03	0.0	199.9	2.25	-96.31	-3.21	-0.23	-322.86	-2756.75
198	1	336.77	193.26	0.05	10.52	0.0	-1.90	-6.75	1.94	0.12	-194.92	336.77
		-95.90	-194.92	2.65e-03	0.0	199.9	0.34	3.77	1.94	0.12	193.26	38.83
198	2	1558.52	516.31	0.06	80.64	0.0	-10.38	-42.58	5.18	0.21	-518.99	1558.52
		-681.58	-518.99	6.98e-03	0.0	199.9	6.78	38.07	5.18	0.21	516.31	1108.01
198	3	3048.79	1010.02	0.12	157.76	0.0	-20.31	-83.29	10.13	0.41	-1015.26	3048.79
		-1333.32	-1015.26	0.01	0.0	199.9	13.26	74.47	10.13	0.41	1010.02	2167.49
198	4	12.81	780.29	-0.05	0.0	0.0	0.41	0.09	-7.75	0.86	780.29	-9.03
		-9.03	-767.98	0.22	0.0	199.9	0.41	0.09	-7.75	0.86	-767.98	12.81
198	5	12.81	780.29	-0.05	0.0	0.0	0.41	0.09	-7.75	0.86	780.29	-9.03
		-9.03	-767.98	0.22	0.0	199.9	0.41	0.09	-7.75	0.86	-767.98	12.81
198	6	259.54	662.83	-0.91	0.0	0.0	-0.62	-1.27	6.65	-1.31	-665.72	259.54
		10.28	-665.72	-1.08	0.0	199.9	-0.62	-1.27	6.65	-1.31	662.83	10.28
198	7	281.72	644.32	-1.00	0.0	0.0	-0.44	-1.38	6.47	1.35	-648.08	281.72
		10.51	-648.08	1.09	0.0	199.9	-0.44	-1.38	6.47	1.35	644.32	10.51
198	8	4.07	248.13	-0.02	0.0	0.0	0.13	0.03	-2.46	0.27	248.13	-2.87
		-2.87	-244.21	0.07	0.0	199.9	0.13	0.03	-2.46	0.27	-244.21	4.07
198	9	4.07	248.13	-0.02	0.0	0.0	0.13	0.03	-2.46	0.27	248.13	-2.87
		-2.87	-244.21	0.07	0.0	199.9	0.13	0.03	-2.46	0.27	-244.21	4.07
198	10	92.39	238.41	-0.29	0.0	0.0	-0.23	-0.45	2.39	-0.42	-239.32	92.39
		3.28	-239.32	-0.34	0.0	199.9	-0.23	-0.45	2.39	-0.42	238.41	3.28
198	11	100.13	221.01	-0.32	0.0	0.0	-0.14	-0.49	2.22	0.43	-222.14	100.13
		3.36	-222.14	0.35	0.0	199.9	-0.14	-0.49	2.22	0.43	221.01	3.36
198	12	0.42	1.69	-9.84e-05	0.0	0.0	4.03e-03	-6.16e-03	-0.02	-5.65e-03	1.69	0.42
		-0.81	-1.72	2.14e-04	0.0	199.9	4.03e-03	-6.16e-03	-0.02	-5.65e-03	-1.72	-0.81
198	13	1881.33	331.94	-3.15	-199.88	0.0	2.56	103.77	-3.30	-0.64	331.94	-3495.04
		-3495.04	-327.44	4.63e-03	0.0	199.9	2.56	-96.11	-3.30	-0.64	-327.44	-2729.91
199	1	331.34	201.57	0.05	10.52	0.0	28.15	-6.84	1.96	0.08	-190.39	331.34
		-112.43	-190.39	-2.90e-03	0.0	199.9	30.38	3.68	1.96	0.08	201.57	15.64
199	2	866.06	507.65	0.06	40.32	0.0	32.64	-22.49	5.01	0.12	-493.72	866.06
		-387.00	-493.72	-6.90e-03	0.0	199.9	41.22	17.84	5.01	0.12	507.65	401.39
199	3	1694.19	993.08	0.11	78.88	0.0	63.85	-43.99	9.80	0.24	-965.82	1694.19
		-757.05	-965.82	-0.01	0.0	199.9	80.63	34.89	9.80	0.24	993.08	785.20
199	4	10.14	549.63	-8.37e-03	0.0	0.0	-66.44	0.08	-5.38	1.02	549.63	-5.15
		-5.15	-525.59	0.22	0.0	199.9	-66.44	0.08	-5.38	1.02	-525.59	10.14
199	5	10.14	549.63	-8.37e-03	0.0	0.0	-66.44	0.08	-5.38	1.02	549.63	-5.15
		-5.15	-525.59	0.22	0.0	199.9	-66.44	0.08	-5.38	1.02	-525.59	10.14
199	6	257.33	403.64	-0.96	0.0	0.0	-12.52	-1.25	4.04	-1.28	-404.65	257.33
		10.52	-404.65	-1.08	0.0	199.9	-12.52	-1.25	4.04	-1.28	403.64	10.52
199	7	261.52	490.97	-0.98	0.0	0.0	-9.46	-1.28	4.93	1.38	-494.55	261.52
		9.96	-494.55	1.09	0.0	199.9	-9.46	-1.28	4.93	1.38	490.97	9.96
199	8	3.22	174.77	-2.66e-03	0.0	0.0	-21.12	0.02	-1.71	0.32	174.77	-1.64
		-1.64	-167.13	0.07	0.0	199.9	-21.12	0.02	-1.71	0.32	-167.13	3.22
199	9	3.22	174.77	-2.66e-03	0.0	0.0	-21.12	0.02	-1.71	0.32	174.77	-1.64

		-1.64	-167.13	0.07	0.0	199.9	-21.12	0.02	-1.71	0.32	-167.13	3.22
199	10	90.22	148.71	-0.31	0.0	0.0	-4.01	-0.44	1.49	-0.41	-148.99	90.22
		3.36	-148.99	-0.34	0.0	199.9	-4.01	-0.44	1.49	-0.41	148.71	3.36
199	11	91.68	167.83	-0.31	0.0	0.0	-3.02	-0.45	1.68	0.44	-168.89	91.68
		3.18	-168.89	0.35	0.0	199.9	-3.02	-0.45	1.68	0.44	167.83	3.18
199	12	0.08	0.37	-3.05e-04	0.0	0.0	-0.01	4.95e-04	-3.79e-03	-1.59e-03	0.37	-0.02
		-0.02	-0.38	3.52e-05	0.0	199.9	-0.01	4.95e-04	-3.79e-03	-1.59e-03	-0.38	0.08
199	13	1143.51	62.98	-3.18	-99.94	0.0	-93.61	53.78	-0.82	-0.27	62.98	-1742.58
		-1742.58	-101.05	2.97e-03	0.0	199.9	-93.61	-46.16	-0.82	-0.27	-101.05	-981.34
200	1	331.25	187.55	0.05	10.52	0.0	29.25	-6.84	-1.93	-0.08	187.55	331.25
		-112.50	-198.93	3.05e-03	0.0	199.9	31.49	3.68	-1.93	-0.08	-198.93	15.58
200	2	865.83	486.86	0.06	40.32	0.0	34.05	-22.48	-4.94	-0.12	486.86	865.83
		-387.13	-501.05	7.17e-03	0.0	199.9	42.62	17.84	-4.94	-0.12	-501.05	401.33
200	3	1693.75	952.41	0.11	78.88	0.0	66.60	-43.99	-9.67	-0.24	952.41	1693.75
		-757.31	-980.16	0.01	0.0	199.9	83.38	34.89	-9.67	-0.24	-980.16	785.08
200	4	5.04	546.37	8.13e-03	0.0	0.0	67.54	-0.07	-5.34	1.02	546.37	5.04
		-9.90	-521.69	0.22	0.0	199.9	67.54	-0.07	-5.34	1.02	-521.69	-9.90
200	5	5.04	546.37	8.13e-03	0.0	0.0	67.54	-0.07	-5.34	1.02	546.37	5.04
		-9.90	-521.69	0.22	0.0	199.9	67.54	-0.07	-5.34	1.02	-521.69	-9.90
200	6	261.47	488.18	-0.98	0.0	0.0	-9.57	-1.28	-4.87	-1.37	488.18	261.47
		9.95	-484.53	-1.08	0.0	199.9	-9.57	-1.28	-4.87	-1.37	-484.53	9.95
200	7	257.12	398.50	-0.96	0.0	0.0	-12.84	-1.25	-3.98	1.29	398.50	257.12
		10.52	-397.46	1.09	0.0	199.9	-12.84	-1.25	-3.98	1.29	-397.46	10.52
200	8	1.60	173.73	2.59e-03	0.0	0.0	21.47	-0.02	-1.70	0.32	173.73	1.60
		-3.15	-165.88	0.07	0.0	199.9	21.47	-0.02	-1.70	0.32	-165.88	-3.15
200	9	1.60	173.73	2.59e-03	0.0	0.0	21.47	-0.02	-1.70	0.32	173.73	1.60
		-3.15	-165.88	0.07	0.0	199.9	21.47	-0.02	-1.70	0.32	-165.88	-3.15
200	10	91.65	166.67	-0.31	0.0	0.0	-3.05	-0.45	-1.66	-0.44	166.67	91.65
		3.18	-165.59	-0.34	0.0	199.9	-3.05	-0.45	-1.66	-0.44	-165.59	3.18
200	11	90.14	146.67	-0.31	0.0	0.0	-4.11	-0.44	-1.47	0.42	146.67	90.14
		3.36	-146.38	0.35	0.0	199.9	-4.11	-0.44	-1.47	0.42	-146.38	3.36
200	12	0.08	0.39	-3.06e-04	0.0	0.0	-0.01	5.09e-04	3.88e-03	1.55e-03	-0.38	-0.02
		-0.02	-0.38	-3.66e-05	0.0	199.9	-0.01	5.09e-04	3.88e-03	1.55e-03	0.39	0.08
200	13	1143.87	98.94	-3.18	-99.94	0.0	-97.23	53.77	0.80	0.26	-60.15	-1741.90
		-1741.90	-60.15	-2.29e-03	0.0	199.9	-97.23	-46.16	0.80	0.26	98.94	-981.23
201	1	336.75	197.39	0.05	10.52	0.0	-1.89	-6.75	-1.97	-0.13	197.39	336.75
		-96.00	-195.82	2.65e-03	0.0	199.9	0.35	3.77	-1.97	-0.13	-195.82	38.68
201	2	1558.28	524.28	0.06	80.64	0.0	-10.38	-42.58	-5.23	-0.21	524.28	1558.28
		-681.78	-521.71	7.02e-03	0.0	199.9	6.78	38.07	-5.23	-0.21	-521.71	1107.84
201	3	3048.32	1025.60	0.12	157.76	0.0	-20.30	-83.29	-10.24	-0.42	1025.60	3048.32
		-1333.71	-1020.58	0.01	0.0	199.9	13.26	74.47	-10.24	-0.42	-1020.58	2167.18
201	4	9.03	779.88	0.05	0.0	0.0	-0.34	-0.09	-7.74	0.86	779.88	9.03
		-12.95	-767.67	0.22	0.0	199.9	-0.34	-0.09	-7.74	0.86	-767.67	-12.95
201	5	9.03	779.88	0.05	0.0	0.0	-0.34	-0.09	-7.74	0.86	779.88	9.03
		-12.95	-767.67	0.22	0.0	199.9	-0.34	-0.09	-7.74	0.86	-767.67	-12.95
201	6	281.92	650.08	-1.00	0.0	0.0	-0.44	-1.38	-6.49	-1.34	650.08	281.92
		10.51	-646.40	-1.08	0.0	199.9	-0.44	-1.38	-6.49	-1.34	-646.40	10.51
201	7	258.31	665.45	-0.91	0.0	0.0	-0.62	-1.26	-6.64	1.31	665.45	258.31
		10.26	-662.65	1.09	0.0	199.9	-0.62	-1.26	-6.64	1.31	-662.65	10.26
201	8	2.87	247.99	0.02	0.0	0.0	-0.11	-0.03	-2.46	0.27	247.99	2.87
		-4.12	-244.11	0.07	0.0	199.9	-0.11	-0.03	-2.46	0.27	-244.11	-4.12
201	9	2.87	247.99	0.02	0.0	0.0	-0.11	-0.03	-2.46	0.27	247.99	2.87
		-4.12	-244.11	0.07	0.0	199.9	-0.11	-0.03	-2.46	0.27	-244.11	-4.12
201	10	100.20	222.85	-0.32	0.0	0.0	-0.14	-0.49	-2.22	-0.43	222.85	100.20
		3.35	-221.75	-0.34	0.0	199.9	-0.14	-0.49	-2.22	-0.43	-221.75	3.35
201	11	91.90	239.30	-0.29	0.0	0.0	-0.23	-0.45	-2.39	0.42	239.30	91.90
		3.27	-238.42	0.35	0.0	199.9	-0.23	-0.45	-2.39	0.42	-238.42	3.27
201	12	0.42	1.72	-1.00e-04	0.0	0.0	4.08e-03	-6.11e-03	0.02	5.64e-03	-1.70	0.42
		-0.80	-1.70	-2.15e-04	0.0	199.9	4.08e-03	-6.11e-03	0.02	5.64e-03	1.72	-0.80
201	13	1881.92	326.42	-3.15	-199.88	0.0	2.55	103.76	3.29	0.65	-330.67	-3494.24
		-3494.24	-330.67	4.58e-03	0.0	199.9	2.55	-96.11	3.29	0.65	326.42	-2729.53
202	1	334.48	190.43	0.05	10.52	0.0	-1.88	-6.72	1.91	0.09	-192.06	334.48
		-94.17	-192.06	2.60e-03	0.0	199.9	0.36	3.80	1.91	0.09	190.43	42.97
202	2	1552.61	505.38	0.06	80.64	0.0	-10.34	-42.49	5.07	0.11	-507.99	1552.61
		-679.04	-507.99	6.83e-03	0.0	199.9	6.81	38.15	5.07	0.11	505.38	1119.00
202	3	3037.24	988.64	0.11	157.76	0.0	-20.23	-83.12	9.92	0.22	-993.74	3037.24
		-1328.34	-993.74	0.01	0.0	199.9	13.33	74.63	9.92	0.22	988.64	2189.01
202	4	14.54	779.96	0.10	0.0	0.0	0.41	0.17	-7.74	0.82	779.96	-23.24
		-23.24	-767.50	0.22	0.0	199.9	0.41	0.17	-7.74	0.82	-767.50	14.54
202	5	14.54	779.96	0.10	0.0	0.0	0.41	0.17	-7.74	0.82	779.96	-23.24
		-23.24	-767.50	0.22	0.0	199.9	0.41	0.17	-7.74	0.82	-767.50	14.54
202	6	292.44	421.01	-1.04	0.0	0.0	-0.33	-1.43	4.22	-1.21	-422.93	292.44
		12.06	-422.93	-1.08	0.0	199.9	-0.33	-1.43	4.22	-1.21	421.01	12.06
202	7	253.75	725.73	-0.86	0.0	0.0	-0.74	-1.25	7.28	1.48	-729.41	253.75
		8.68	-729.41	1.09	0.0	199.9	-0.74	-1.25	7.28	1.48	725.73	8.68
202	8	4.62	248.04	0.03	0.0	0.0	0.13	0.06	-2.46	0.26	248.04	-7.39

		-7.39	-244.08	0.07	0.0	199.9	0.13	0.06	-2.46	0.26	-244.08	4.62
202	9	4.62	248.04	0.03	0.0	0.0	0.13	0.06	-2.46	0.26	248.04	-7.39
		-7.39	-244.08	0.07	0.0	199.9	0.13	0.06	-2.46	0.26	-244.08	4.62
202	10	104.00	143.60	-0.33	0.0	0.0	-0.11	-0.51	1.44	-0.39	-144.21	104.00
		3.84	-144.21	-0.34	0.0	199.9	-0.11	-0.51	1.44	-0.39	143.60	3.84
202	11	90.57	237.55	-0.27	0.0	0.0	-0.28	-0.45	2.38	0.48	-238.70	90.57
		2.77	-238.70	0.35	0.0	199.9	-0.28	-0.45	2.38	0.48	237.55	2.77
202	12	0.96	2.67	1.50e-04	0.0	0.0	0.01	-0.01	0.03	2.09e-03	-2.35	0.96
		-1.80	-2.35	-3.94e-04	0.0	199.9	0.01	-0.01	0.03	2.09e-03	2.67	-1.80
202	13	1873.70	322.29	-3.13	-199.88	0.0	2.27	103.57	3.20	0.23	-318.19	-3483.44
		-3483.44	-318.19	4.20e-03	0.0	199.9	2.27	-96.30	3.20	0.23	322.29	-2756.78
203	1	327.72	200.80	0.05	10.52	0.0	27.77	-6.78	1.95	0.09	-189.76	327.72
		-108.27	-189.76	-2.90e-03	0.0	199.9	30.01	3.74	1.95	0.09	200.80	24.47
203	2	855.89	504.09	0.05	40.32	0.0	31.60	-22.32	4.98	0.17	-490.60	855.89
		-378.95	-490.60	-6.86e-03	0.0	199.9	40.18	18.00	4.98	0.17	504.09	423.61
203	3	1674.30	986.11	0.10	78.88	0.0	61.82	-43.67	9.74	0.32	-959.72	1674.30
		-741.31	-959.72	-0.01	0.0	199.9	78.60	35.21	9.74	0.32	986.11	828.66
203	4	10.48	553.95	0.14	0.0	0.0	-66.33	0.19	-5.42	0.95	553.95	-31.21
		-31.21	-529.40	0.22	0.0	199.9	-66.33	0.19	-5.42	0.95	-529.40	10.48
203	5	10.48	553.95	0.14	0.0	0.0	-66.33	0.19	-5.42	0.95	553.95	-31.21
		-31.21	-529.40	0.22	0.0	199.9	-66.33	0.19	-5.42	0.95	-529.40	10.48
203	6	292.72	346.19	-1.09	0.0	0.0	-12.69	-1.43	3.47	-1.20	-347.21	292.72
		12.13	-347.21	-1.08	0.0	199.9	-12.69	-1.43	3.47	-1.20	346.19	12.13
203	7	240.80	497.40	-0.83	0.0	0.0	9.94	-1.19	4.99	1.43	-500.94	240.80
		8.18	-500.94	1.09	0.0	199.9	9.94	-1.19	4.99	1.43	497.40	8.18
203	8	3.33	176.16	0.04	0.0	0.0	-21.09	0.06	-1.72	0.30	176.16	-9.92
		-9.92	-168.36	0.07	0.0	199.9	-21.09	0.06	-1.72	0.30	-168.36	3.33
203	9	3.33	176.16	0.04	0.0	0.0	-21.09	0.06	-1.72	0.30	176.16	-9.92
		-9.92	-168.36	0.07	0.0	199.9	-21.09	0.06	-1.72	0.30	-168.36	3.33
203	10	102.80	121.88	-0.35	0.0	0.0	-4.07	-0.51	1.22	-0.39	-122.18	102.80
		3.88	-122.18	-0.34	0.0	199.9	-4.07	-0.51	1.22	-0.39	121.88	3.88
203	11	85.20	164.94	-0.26	0.0	0.0	3.17	-0.42	1.66	0.46	-166.02	85.20
		2.64	-166.02	0.35	0.0	199.9	3.17	-0.42	1.66	0.46	164.94	2.64
203	12	0.44	5.07	-8.62e-05	0.0	0.0	-0.11	-5.91e-03	0.06	-0.01	-6.08	0.44
		-0.74	-6.08	-5.74e-04	0.0	199.9	-0.11	-5.91e-03	0.06	-0.01	5.07	-0.74
203	13	1120.17	196.11	-3.12	-99.94	0.0	-89.54	53.42	2.15	0.29	-233.55	-1725.98
		-1725.98	-233.55	4.39e-03	0.0	199.9	-89.54	-46.52	2.15	0.29	196.11	-1035.75
204	1	329.51	175.52	0.05	10.52	0.0	28.90	-6.79	-1.81	-0.04	175.52	329.51
		-108.27	-186.78	2.88e-03	0.0	199.9	31.14	3.73	-1.81	-0.04	-186.78	23.38
204	2	859.55	454.13	0.05	40.32	0.0	32.92	-22.36	-4.61	0.02	454.13	859.55
		-379.65	-467.95	6.70e-03	0.0	199.9	41.50	17.96	-4.61	0.02	-467.95	419.52
204	3	1681.46	888.37	0.10	78.88	0.0	64.40	-43.75	-9.02	0.03	888.37	1681.46
		-742.68	-915.40	0.01	0.0	199.9	81.18	35.13	-9.02	0.03	-915.40	820.66
204	4	28.59	507.31	0.16	0.0	0.0	67.71	-0.13	-4.95	0.97	507.31	28.59
		-11.01	-482.36	0.22	0.0	199.9	67.71	-0.13	-4.95	0.97	-482.36	-11.01
204	5	28.59	507.31	0.16	0.0	0.0	67.71	-0.13	-4.95	0.97	507.31	28.59
		-11.01	-482.36	0.22	0.0	199.9	67.71	-0.13	-4.95	0.97	-482.36	-11.01
204	6	296.95	477.74	-1.10	0.0	0.0	-9.04	-1.46	-4.77	-1.23	477.74	296.95
		11.48	-475.01	-1.08	0.0	199.9	-9.04	-1.46	-4.77	-1.23	-475.01	11.48
204	7	239.91	341.45	-0.81	0.0	0.0	-12.39	-1.18	-3.41	1.33	341.45	239.91
		8.63	-340.22	1.09	0.0	199.9	-12.39	-1.18	-3.41	1.33	-340.22	8.63
204	8	9.09	161.40	0.05	0.0	0.0	21.53	-0.04	-1.58	0.31	161.40	9.09
		-3.50	-153.47	0.07	0.0	199.9	21.53	-0.04	-1.58	0.31	-153.47	-3.50
204	9	9.09	161.40	0.05	0.0	0.0	21.53	-0.04	-1.58	0.31	161.40	9.09
		-3.50	-153.47	0.07	0.0	199.9	21.53	-0.04	-1.58	0.31	-153.47	-3.50
204	10	104.26	168.02	-0.35	0.0	0.0	-2.90	-0.51	-1.68	-0.40	168.02	104.26
		3.68	-167.24	-0.34	0.0	199.9	-2.90	-0.51	-1.68	-0.40	-167.24	3.68
204	11	85.04	121.29	-0.26	0.0	0.0	-3.95	-0.42	-1.21	0.42	121.29	85.04
		2.78	-120.94	0.35	0.0	199.9	-3.95	-0.42	-1.21	0.42	-120.94	2.78
204	12	0.69	5.56	-3.85e-04	0.0	0.0	0.12	5.27e-03	0.06	-0.01	-6.56	-0.36
		-0.36	-6.56	-6.39e-04	0.0	199.9	0.12	5.27e-03	0.06	-0.01	5.56	0.69
204	13	1121.01	361.37	-3.11	-99.94	0.0	-95.99	53.53	3.43	0.61	-324.07	-1736.70
		-1736.70	-324.07	-5.56e-03	0.0	199.9	-95.99	-46.41	3.43	0.61	361.37	-1025.91
205	1	345.26	169.51	0.05	10.52	0.0	-1.87	-6.81	-1.69	-0.04	169.51	345.26
		-94.53	-167.96	2.27e-03	0.0	199.9	0.37	3.71	-1.69	-0.04	-167.96	35.92
205	2	1574.32	448.05	0.06	80.64	0.0	-10.31	-42.73	-4.47	0.05	448.05	1574.32
		-680.89	-445.53	5.98e-03	0.0	199.9	6.85	37.92	-4.47	0.05	-445.53	1093.60
205	3	3079.70	876.49	0.13	157.76	0.0	-20.17	-83.58	-8.75	0.11	876.49	3079.70
		-1331.96	-871.54	0.01	0.0	199.9	13.40	74.17	-8.75	0.11	-871.54	2139.31
205	4	33.55	696.22	0.20	0.0	0.0	-0.31	-0.15	-6.90	0.79	696.22	33.55
		-18.44	-683.75	0.22	0.0	199.9	-0.31	-0.15	-6.90	0.79	-683.75	-18.44
205	5	33.55	696.22	0.20	0.0	0.0	-0.31	-0.15	-6.90	0.79	696.22	33.55
		-18.44	-683.75	0.22	0.0	199.9	-0.31	-0.15	-6.90	0.79	-683.75	-18.44
205	6	314.42	595.39	-1.12	0.0	0.0	-0.73	-1.55	-5.95	-1.16	595.39	314.42
		12.47	-593.32	-1.08	0.0	199.9	-0.73	-1.55	-5.95	-1.16	-593.32	12.47
205	7	248.96	587.66	-0.76	0.0	0.0	-1.15	-1.22	5.89	1.30	-590.12	248.96

		8.84	-590.12	1.09	0.0	199.9	-1.15	-1.22	5.89	1.30	587.66	8.84
205	8	10.67	221.70	0.06	0.0	0.0	-0.10	-0.05	-2.20	0.25	221.70	10.67
		-5.86	-217.74	0.07	0.0	199.9	-0.10	-0.05	-2.20	0.25	-217.74	-5.86
205	9	10.67	221.70	0.06	0.0	0.0	-0.10	-0.05	-2.20	0.25	221.70	10.67
		-5.86	-217.74	0.07	0.0	199.9	-0.10	-0.05	-2.20	0.25	-217.74	-5.86
205	10	111.71	203.31	-0.35	0.0	0.0	-0.25	-0.55	-2.03	-0.37	203.31	111.71
		4.01	-202.66	-0.34	0.0	199.9	-0.25	-0.55	-2.03	-0.37	-202.66	4.01
205	11	89.57	196.28	-0.24	0.0	0.0	-0.43	-0.44	1.97	0.42	-197.05	89.57
		2.83	-197.05	0.35	0.0	199.9	-0.43	-0.44	1.97	0.42	196.28	2.83
205	12	0.84	5.33	-4.18e-04	0.0	0.0	-8.79e-03	6.22e-03	0.05	7.23e-03	-4.97	-0.40
		-0.40	-4.97	-7.91e-04	0.0	199.9	-8.79e-03	6.22e-03	0.05	7.23e-03	5.33	0.84
205	13	1872.41	900.00	-3.07	-199.88	0.0	2.62	104.21	9.03	0.74	-904.44	-3548.22
		-3548.22	-904.44	0.01	0.0	199.9	2.62	-95.67	9.03	0.74	900.00	-2694.57
206	1	352.72	218.32	0.05	10.52	0.0	-1.95	-6.89	2.19	0.16	-220.02	352.72
		-97.83	-220.02	2.97e-03	0.0	199.9	0.29	3.63	2.19	0.16	218.32	26.17
206	2	1590.11	581.62	0.07	80.64	0.0	-10.51	-42.95	5.83	0.30	-584.42	1590.11
		-688.49	-584.42	7.84e-03	0.0	199.9	6.65	37.70	5.83	0.30	581.62	1065.25
206	3	3110.59	1137.77	0.14	157.76	0.0	-20.56	-84.01	11.41	0.60	-1143.25	3110.59
		-1346.83	-1143.25	0.02	0.0	199.9	13.00	73.74	11.41	0.60	1137.77	2083.86
206	4	6.29	733.57	0.23	0.0	0.0	0.40	0.25	-7.28	0.71	733.57	-47.49
		-47.49	-721.13	0.22	0.0	199.9	0.40	0.25	-7.28	0.71	-721.13	6.29
206	5	6.29	733.57	0.23	0.0	0.0	0.40	0.25	-7.28	0.71	733.57	-47.49
		-47.49	-721.13	0.22	0.0	199.9	0.40	0.25	-7.28	0.71	-721.13	6.29
206	6	313.28	816.01	-1.14	0.0	0.0	-0.89	-1.54	8.16	-0.95	-815.74	313.28
		14.53	-815.74	-1.08	0.0	199.9	-0.89	-1.54	8.16	-0.95	816.01	14.53
206	7	240.31	875.34	-0.72	0.0	0.0	-1.28	-1.18	8.77	1.36	-877.98	240.31
		7.65	-877.98	1.09	0.0	199.9	-1.28	-1.18	8.77	1.36	875.34	7.65
206	8	2.00	233.60	0.07	0.0	0.0	0.13	0.08	-2.32	0.23	233.60	-15.10
		-15.10	-229.64	0.07	0.0	199.9	0.13	0.08	-2.32	0.23	-229.64	2.00
206	9	2.00	233.60	0.07	0.0	0.0	0.13	0.08	-2.32	0.23	233.60	-15.10
		-15.10	-229.64	0.07	0.0	199.9	0.13	0.08	-2.32	0.23	-229.64	2.00
206	10	111.05	276.49	-0.36	0.0	0.0	-0.30	-0.55	2.77	-0.31	-276.50	111.05
		4.67	-276.50	-0.34	0.0	199.9	-0.30	-0.55	2.77	-0.31	276.49	4.67
206	11	86.49	295.06	-0.23	0.0	0.0	-0.48	-0.43	2.96	0.43	-295.88	86.49
		2.45	-295.88	0.35	0.0	199.9	-0.48	-0.43	2.96	0.43	295.06	2.45
206	12	0.73	6.13	4.42e-05	0.0	0.0	0.03	-9.46e-03	0.06	7.41e-03	-5.49	0.73
		-1.16	-5.49	-9.45e-04	0.0	199.9	0.03	-9.46e-03	0.06	7.41e-03	6.13	-1.16
206	13	1882.91	896.36	-3.04	-199.88	0.0	2.42	104.80	8.95	0.61	-892.16	-3597.08
		-3597.08	-892.16	0.01	0.0	199.9	2.42	-95.07	8.95	0.61	896.36	-2624.72
207	1	345.26	211.46	0.06	10.52	0.0	29.75	-6.97	2.06	0.04	-199.64	345.26
		-115.89	-199.64	-3.07e-03	0.0	199.9	31.98	3.55	2.06	0.04	211.46	3.10
207	2	894.80	533.62	0.07	40.32	0.0	36.50	-22.84	5.26	-8.84e-03	-518.24	894.80
		-397.80	-518.24	-7.33e-03	0.0	199.9	45.08	17.48	5.26	-8.84e-03	533.62	359.82
207	3	1750.42	1043.87	0.14	78.88	0.0	71.40	-44.67	10.29	-0.02	-1013.79	1750.42
		-778.19	-1013.79	-0.01	0.0	199.9	88.18	34.20	10.29	-0.02	1043.87	703.89
207	4	6.10	547.89	0.27	0.0	0.0	-66.02	0.28	-5.36	0.87	547.89	-54.33
		-54.33	-522.88	0.22	0.0	199.9	-66.02	0.28	-5.36	0.87	-522.88	6.10
207	5	6.10	547.89	0.27	0.0	0.0	-66.02	0.28	-5.36	0.87	547.89	-54.33
		-54.33	-522.88	0.22	0.0	199.9	-66.02	0.28	-5.36	0.87	-522.88	6.10
207	6	291.13	585.37	-1.17	0.0	0.0	-12.63	-1.42	5.86	0.89	-585.81	291.13
		14.69	-585.81	-1.08	0.0	199.9	-12.63	-1.42	5.86	0.89	585.37	14.69
207	7	209.70	559.63	-0.69	0.0	0.0	10.25	-1.03	5.61	1.31	-562.34	209.70
		7.02	-562.34	1.09	0.0	199.9	10.25	-1.03	5.61	1.31	559.63	7.02
207	8	1.94	174.32	0.09	0.0	0.0	-20.99	0.09	-1.70	0.28	174.32	-17.27
		-17.27	-166.38	0.07	0.0	199.9	-20.99	0.09	-1.70	0.28	-166.38	1.94
207	9	1.94	174.32	0.09	0.0	0.0	-20.99	0.09	-1.70	0.28	174.32	-17.27
		-17.27	-166.38	0.07	0.0	199.9	-20.99	0.09	-1.70	0.28	-166.38	1.94
207	10	101.31	204.37	-0.37	0.0	0.0	-4.06	-0.50	2.05	0.29	-204.52	101.31
		4.72	-204.52	-0.34	0.0	199.9	-4.06	-0.50	2.05	0.29	204.37	4.72
207	11	74.34	191.83	-0.22	0.0	0.0	3.26	-0.37	1.92	0.42	-192.64	74.34
		2.24	-192.64	0.35	0.0	199.9	3.26	-0.37	1.92	0.42	191.83	2.24
207	12	0.35	9.67	-1.28e-05	0.0	0.0	-0.29	-4.79e-03	0.11	-0.01	-11.68	0.35
		-0.60	-11.68	-1.10e-03	0.0	199.9	-0.29	-4.79e-03	0.11	-0.01	9.67	-0.60
207	13	1151.51	474.48	-2.99	-99.94	0.0	-99.50	54.85	4.96	1.69	-516.68	-1854.93
		-1854.93	-516.68	8.24e-03	0.0	199.9	-99.50	-45.09	4.96	1.69	474.48	-879.72
208	1	341.94	232.06	0.06	10.52	0.0	31.05	-6.94	-2.38	-0.17	232.06	341.94
		-114.16	-244.09	3.64e-03	0.0	199.9	33.29	3.59	-2.38	-0.17	-244.09	7.12
208	2	890.84	596.96	0.07	40.32	0.0	38.11	-22.76	-6.05	-0.41	596.96	890.84
		-393.37	-612.65	8.64e-03	0.0	199.9	46.69	17.56	-6.05	-0.41	-612.65	370.78
208	3	1742.67	1167.79	0.13	78.88	0.0	74.56	-44.53	-11.84	-0.79	1167.79	1742.67
		-769.52	-1198.47	0.02	0.0	199.9	91.34	34.35	-11.84	-0.79	-1198.47	725.33
208	4	-10.64	464.21	0.29	0.0	0.0	68.20	-0.21	-4.52	0.88	464.21	-49.79
		-49.79	-439.22	0.22	0.0	199.9	68.20	-0.21	-4.52	0.88	-439.22	-10.64
208	5	-10.64	464.21	0.29	0.0	0.0	68.20	-0.21	-4.52	0.88	464.21	-49.79
		-49.79	-439.22	0.22	0.0	199.9	68.20	-0.21	-4.52	0.88	-439.22	-10.64
208	6	281.79	287.92	-1.17	0.0	0.0	-8.39	-1.37	-2.88	0.92	287.92	281.79

		13.61	-286.81	-1.08	0.0	199.9	-8.39	-1.37	-2.88	0.92	-286.81	13.61
208	7	198.83	262.38	-0.68	0.0	0.0	-11.95	-0.97	2.63	1.24	-263.76	198.83
		7.20	-263.76	1.09	0.0	199.9	-11.95	-0.97	2.63	1.24	262.38	7.20
208	8	-3.38	147.72	0.09	0.0	0.0	21.68	-0.07	-1.44	0.28	147.72	-15.83
		-15.83	-139.78	0.07	0.0	199.9	21.68	-0.07	-1.44	0.28	-139.78	-3.38
208	9	-3.38	147.72	0.09	0.0	0.0	21.68	-0.07	-1.44	0.28	147.72	-15.83
		-15.83	-139.78	0.07	0.0	199.9	21.68	-0.07	-1.44	0.28	-139.78	-3.38
208	10	97.74	99.59	-0.37	0.0	0.0	-2.68	-0.48	-0.99	0.30	99.59	97.74
		4.36	-99.27	-0.34	0.0	199.9	-2.68	-0.48	-0.99	0.30	-99.27	4.36
208	11	70.31	89.62	-0.22	0.0	0.0	-3.80	-0.35	0.90	0.40	-90.03	70.31
		2.30	-90.03	0.35	0.0	199.9	-3.80	-0.35	0.90	0.40	89.62	2.30
208	12	1.02	11.42	-2.80e-04	0.0	0.0	0.25	8.61e-03	0.12	-4.02e-03	-13.40	-0.70
		-0.70	-13.40	-1.15e-03	0.0	199.9	0.25	8.61e-03	0.12	-4.02e-03	11.42	1.02
208	13	1136.73	1223.21	-2.95	-99.94	0.0	-110.04	54.70	12.03	2.68	-1182.11	-1853.02
		-1853.02	-1182.11	-0.02	0.0	199.9	-110.04	-45.24	12.03	2.68	1223.21	-907.49
209	1	332.86	303.24	0.04	10.52	0.0	-2.00	-6.67	-3.03	-0.30	303.24	332.86
		-89.16	-301.55	-4.04e-03	0.0	199.9	0.24	3.86	-3.03	-0.30	-301.55	51.95
209	2	1571.26	785.59	0.05	80.64	0.0	-10.63	-42.52	-7.85	-0.73	785.59	1571.26
		-663.42	-782.71	-0.01	0.0	199.9	6.53	38.12	-7.85	-0.73	-782.71	1131.58
209	3	3073.72	1536.77	0.10	157.76	0.0	-20.80	-83.18	-15.35	-1.43	1536.77	3073.72
		-1297.79	-1531.14	-0.02	0.0	199.9	12.77	74.57	-15.35	-1.43	-1531.14	2213.62
209	4	6.25	631.11	0.33	0.0	0.0	-0.26	0.26	-6.26	0.65	631.11	-50.47
		-50.47	-619.29	0.22	0.0	199.9	-0.26	0.26	-6.26	0.65	-619.29	6.25
209	5	6.25	631.11	0.33	0.0	0.0	-0.26	0.26	-6.26	0.65	631.11	-50.47
		-50.47	-619.29	0.22	0.0	199.9	-0.26	0.26	-6.26	0.65	-619.29	6.25
209	6	255.67	684.42	-1.17	0.0	0.0	-1.33	-1.23	6.84	0.82	-682.78	255.67
		13.36	-682.78	-1.08	0.0	199.9	-1.33	-1.23	6.84	0.82	684.42	13.36
209	7	178.14	604.77	-0.63	0.0	0.0	-1.35	-0.87	6.06	1.21	-606.60	178.14
		6.38	-606.60	1.09	0.0	199.9	-1.35	-0.87	6.06	1.21	604.77	6.38
209	8	1.99	200.95	0.10	0.0	0.0	-0.08	0.08	-1.99	0.21	200.95	-16.05
		-16.05	-197.19	0.07	0.0	199.9	-0.08	0.08	-1.99	0.21	-197.19	1.99
209	9	1.99	200.95	0.10	0.0	0.0	-0.08	0.08	-1.99	0.21	200.95	-16.05
		-16.05	-197.19	0.07	0.0	199.9	-0.08	0.08	-1.99	0.21	-197.19	1.99
209	10	89.36	226.69	-0.37	0.0	0.0	-0.48	-0.43	2.27	0.27	-226.21	89.36
		4.25	-226.21	-0.34	0.0	199.9	-0.48	-0.43	2.27	0.27	226.69	4.25
209	11	63.50	202.94	-0.20	0.0	0.0	-0.50	-0.31	2.03	0.39	-203.52	63.50
		2.05	-203.52	0.35	0.0	199.9	-0.50	-0.31	2.03	0.39	202.94	2.05
209	12	1.28	11.45	8.37e-04	0.0	0.0	-0.02	-0.02	0.11	0.04	-10.81	1.28
		-3.25	-10.81	-1.25e-03	0.0	199.9	-0.02	-0.02	0.11	0.04	11.45	-3.25
209	13	1799.78	2861.31	-2.78	-199.88	0.0	3.75	103.98	28.66	3.77	-2867.15	-3598.11
		-3598.11	-2867.15	0.04	0.0	199.9	3.75	-95.89	28.66	3.77	2861.31	-2789.93
210	1	309.26	84.61	0.04	10.52	0.0	-1.59	-6.41	0.85	-0.06	-85.81	309.26
		-80.73	-85.81	1.18e-03	0.0	199.9	0.65	4.11	0.85	-0.06	84.61	79.61
210	2	1549.65	244.23	0.03	80.64	0.0	-9.67	-42.07	2.45	-0.40	-245.88	1549.65
		-639.93	-245.88	3.32e-03	0.0	199.9	7.49	38.57	2.45	-0.40	244.23	1200.17
210	3	3031.45	477.76	0.07	157.76	0.0	-18.92	-82.30	4.80	-0.78	-481.00	3031.45
		-1251.84	-481.00	6.49e-03	0.0	199.9	14.64	75.46	4.80	-0.78	477.76	2347.79
210	4	48.49	729.31	0.35	0.0	0.0	0.25	0.55	-7.24	0.54	729.31	-68.11
		-68.11	-718.63	0.22	0.0	199.9	0.25	0.55	-7.24	0.54	-718.63	48.49
210	5	48.49	729.31	0.35	0.0	0.0	0.25	0.55	-7.24	0.54	729.31	-68.11
		-68.11	-718.63	0.22	0.0	199.9	0.25	0.55	-7.24	0.54	-718.63	48.49
210	6	221.74	1241.01	-1.16	0.0	0.0	-1.59	-1.05	12.41	0.95	-1239.20	221.74
		15.27	-1239.20	-1.08	0.0	199.9	-1.59	-1.05	12.41	0.95	1241.01	15.27
210	7	147.54	815.78	-0.59	0.0	0.0	-1.14	-0.72	8.17	1.38	-817.66	147.54
		7.37	-817.66	1.09	0.0	199.9	-1.14	-0.72	8.17	1.38	815.78	7.37
210	8	15.42	232.05	0.11	0.0	0.0	0.08	0.18	-2.30	0.17	232.05	-21.66
		-21.66	-228.65	0.07	0.0	199.9	0.08	0.18	-2.30	0.17	-228.65	15.42
210	9	15.42	232.05	0.11	0.0	0.0	0.08	0.18	-2.30	0.17	232.05	-21.66
		-21.66	-228.65	0.07	0.0	199.9	0.08	0.18	-2.30	0.17	-228.65	15.42
210	10	76.73	407.97	-0.37	0.0	0.0	-0.55	-0.37	4.08	0.32	-407.45	76.73
		4.87	-407.45	-0.34	0.0	199.9	-0.55	-0.37	4.08	0.32	407.97	4.87
210	11	52.22	270.88	-0.19	0.0	0.0	-0.43	-0.26	2.71	0.45	-271.47	52.22
		2.36	-271.47	0.35	0.0	199.9	-0.43	-0.26	2.71	0.45	270.88	2.36
210	12	5.40	11.91	2.59e-03	0.0	0.0	0.04	-0.08	0.11	0.02	-10.94	5.40
		-10.70	-10.94	-1.35e-03	0.0	199.9	0.04	-0.08	0.11	0.02	11.91	-10.70
210	13	1731.12	2858.94	-2.60	-199.88	0.0	8.44e-04	102.99	28.60	3.40	-2858.33	-3567.49
		-3567.49	-2858.33	0.04	0.0	199.9	8.44e-04	-96.89	28.60	3.40	2858.94	-2957.88
211	1	269.39	162.37	0.04	10.52	0.0	17.96	-6.27	1.59	0.11	-154.93	269.39
		-103.16	-154.93	-2.31e-03	0.0	199.9	20.20	4.25	1.59	0.11	162.37	67.63
211	2	765.73	407.69	0.01	40.32	0.0	10.79	-21.16	4.05	-0.20	-402.09	765.73
		-341.12	-402.09	-5.46e-03	0.0	199.9	19.37	19.17	4.05	-0.20	407.69	566.87
211	3	1497.93	797.54	0.03	78.88	0.0	21.11	-41.39	7.93	-0.39	-786.57	1497.93
		-667.31	-786.57	-0.01	0.0	199.9	37.89	37.49	7.93	-0.39	797.54	1108.92
211	4	23.13	561.94	0.38	0.0	0.0	-64.92	0.44	-5.48	0.89	561.94	-69.97
		-69.97	-533.67	0.22	0.0	199.9	-64.92	0.44	-5.48	0.89	-533.67	23.13
211	5	23.13	561.94	0.38	0.0	0.0	-64.92	0.44	-5.48	0.89	561.94	-69.97

		-69.97	-533.67	0.22	0.0	199.9	-64.92	0.44	-5.48	0.89	-533.67	23.13
211	6	198.75	717.48	-1.14	0.0	0.0	-11.35	-0.94	7.18	1.33	-716.93	198.75
		11.78	-716.93	-1.08	0.0	199.9	-11.35	-0.94	7.18	1.33	717.48	11.78
211	7	111.01	456.13	-0.56	0.0	0.0	10.51	-0.54	4.58	1.53	-458.82	111.01
		4.95	-458.82	1.09	0.0	199.9	10.51	-0.54	4.58	1.53	456.13	4.95
211	8	7.35	178.71	0.12	0.0	0.0	-20.64	0.14	-1.74	0.28	178.71	-22.25
		-22.25	-169.72	0.07	0.0	199.9	-20.64	0.14	-1.74	0.28	-169.72	7.35
211	9	7.35	178.71	0.12	0.0	0.0	-20.64	0.14	-1.74	0.28	178.71	-22.25
		-22.25	-169.72	0.07	0.0	199.9	-20.64	0.14	-1.74	0.28	-169.72	7.35
211	10	65.29	236.66	-0.36	0.0	0.0	-3.64	-0.31	2.37	0.46	-236.50	65.29
		3.75	-236.50	-0.34	0.0	199.9	-3.64	-0.31	2.37	0.46	236.66	3.75
211	11	37.12	150.73	-0.18	0.0	0.0	3.35	-0.18	1.51	0.51	-151.55	37.12
		1.58	-151.55	0.35	0.0	199.9	3.35	-0.18	1.51	0.51	150.73	1.58
211	12	2.64	14.42	1.48e-03	0.0	0.0	-0.66	-0.04	0.16	-0.08	-17.74	2.64
		-4.85	-17.74	-1.44e-03	0.0	199.9	-0.66	-0.04	0.16	-0.08	14.42	-4.85
211	13	1012.33	1298.83	-2.44	-99.94	0.0	-34.14	50.90	13.09	3.17	-1316.77	-1577.19
		-1577.19	-1316.77	0.02	0.0	199.9	-34.14	-49.04	13.09	3.17	1298.83	-1391.95
212	1	5509.55	160.63	-0.02	-29.51	0.0	327.52	46.16	1.44	-1.59	16.99	2378.51
		2378.51	16.99	-1.01e-04	0.0	99.7	333.79	16.66	1.44	-1.59	160.63	5509.55
212	2	6289.04	413.88	7.03e-03	0.0	0.0	253.52	45.64	3.93	3.32	22.18	1739.70
		1739.70	22.18	-2.68e-04	0.0	99.7	253.52	45.64	3.93	3.32	413.88	6289.04
212	3	1.230e+04	809.64	0.01	0.0	0.0	495.93	89.28	7.69	6.50	43.38	3403.23
		3403.23	43.38	-5.24e-04	0.0	99.7	495.93	89.28	7.69	6.50	809.64	1.230e+04
212	4	-210.42	1929.98	0.19	0.0	0.0	-78.29	18.44	17.32	15.57	211.17	-2048.33
		-2048.33	211.17	-0.11	0.0	99.7	-78.29	18.44	17.32	15.57	1929.98	-210.42
212	5	-210.42	1929.98	0.19	0.0	0.0	-78.29	18.44	17.32	15.57	211.17	-2048.33
		-2048.33	211.17	-0.11	0.0	99.7	-78.29	18.44	17.32	15.57	1929.98	-210.42
212	6	-298.39	543.81	0.27	0.0	0.0	-33.97	31.06	5.55	-22.67	-45.73	-3386.91
		-3386.91	-45.73	-0.03	0.0	99.7	-33.97	31.06	5.55	-22.67	543.81	-298.39
212	7	-654.55	577.45	0.56	0.0	0.0	-57.38	58.28	5.49	-20.00	50.38	-6438.91
		-6438.91	50.38	0.03	0.0	99.7	-57.38	58.28	5.49	-20.00	577.45	-654.55
212	8	-66.91	613.63	0.06	0.0	0.0	-24.89	5.86	5.51	4.95	67.20	-651.34
		-651.34	67.20	-0.04	0.0	99.7	-24.89	5.86	5.51	4.95	613.63	-66.91
212	9	-66.91	613.63	0.06	0.0	0.0	-24.89	5.86	5.51	4.95	67.20	-651.34
		-651.34	67.20	-0.04	0.0	99.7	-24.89	5.86	5.51	4.95	613.63	-66.91
212	10	-96.12	176.75	0.09	0.0	0.0	-10.84	10.22	1.80	-7.56	-14.86	-1111.93
		-1111.93	-14.86	-8.39e-03	0.0	99.7	-10.84	10.22	1.80	-7.56	176.75	-96.12
212	11	-208.60	192.26	0.18	0.0	0.0	-18.28	18.95	1.84	-6.85	16.22	-2086.17
		-2086.17	16.22	8.39e-03	0.0	99.7	-18.28	18.95	1.84	-6.85	192.26	-208.60
212	12	5.67	136.35	-2.45e-04	0.0	0.0	1.66	-0.09	-1.15	1.70	136.35	5.67
		-3.71	21.25	-2.03e-04	0.0	99.7	1.66	-0.09	-1.15	1.70	21.25	-3.71
212	13	-1.506e+04	1162.49	1.18	0.0	0.0	-730.40	-14.53	12.02	-48.01	-35.45	-1.506e+04
		-1.651e+04	-35.45	-7.59e-04	0.0	99.7	-730.40	-14.53	12.02	-48.01	1162.49	-1.651e+04
213	1	8373.87	2.25	-0.03	-29.51	0.0	509.00	75.79	-0.22	0.96	2.25	2290.11
		2290.11	-19.83	-6.68e-05	0.0	99.7	515.28	46.28	-0.22	0.96	-19.83	8373.87
213	2	1.831e+04	2.63	-0.03	0.0	0.0	664.00	126.22	-0.52	3.05	2.63	5723.94
		5723.94	-49.63	-1.33e-04	0.0	99.7	664.00	126.22	-0.52	3.05	-49.63	1.831e+04
213	3	3.581e+04	5.14	-0.05	0.0	0.0	1298.93	246.92	-1.03	5.97	5.14	1.120e+04
		1.120e+04	-97.09	-2.59e-04	0.0	99.7	1298.93	246.92	-1.03	5.97	-97.09	3.581e+04
213	4	-245.16	2493.59	0.14	0.0	0.0	-19.83	14.84	23.66	13.98	147.87	-1721.91
		-1721.91	147.87	-0.11	0.0	99.7	-19.83	14.84	23.66	13.98	2493.59	-245.16
213	5	-245.16	2493.59	0.14	0.0	0.0	-19.83	14.84	23.66	13.98	147.87	-1721.91
		-1721.91	147.87	-0.11	0.0	99.7	-19.83	14.84	23.66	13.98	2493.59	-245.16
213	6	-473.09	801.68	0.34	0.0	0.0	-41.92	60.02	8.21	-18.75	-44.64	-6333.08
		-6333.08	-44.64	-0.03	0.0	99.7	-41.92	60.02	8.21	-18.75	801.68	-473.09
213	7	-893.24	598.60	0.57	0.0	0.0	-73.58	83.77	6.04	-13.35	49.23	-8977.77
		-8977.77	49.23	0.03	0.0	99.7	-73.58	83.77	6.04	-13.35	598.60	-893.24
213	8	-77.95	792.92	0.04	0.0	0.0	-6.31	4.72	7.52	4.44	47.08	-547.48
		-547.48	47.08	-0.04	0.0	99.7	-6.31	4.72	7.52	4.44	792.92	-77.95
213	9	-77.95	792.92	0.04	0.0	0.0	-6.31	4.72	7.52	4.44	47.08	-547.48
		-547.48	47.08	-0.04	0.0	99.7	-6.31	4.72	7.52	4.44	792.92	-77.95
213	10	-151.19	260.00	0.11	0.0	0.0	-13.35	21.30	2.66	-6.02	-14.52	-2229.10
		-2229.10	-14.52	-8.39e-03	0.0	99.7	-13.35	21.30	2.66	-6.02	260.00	-151.19
213	11	-284.40	201.07	0.18	0.0	0.0	-23.44	29.20	2.03	-4.31	15.80	-3090.40
		-3090.40	15.80	8.39e-03	0.0	99.7	-23.44	29.20	2.03	-4.31	201.07	-284.40
213	12	-7.36	80.97	7.42e-05	0.0	0.0	-0.63	-0.07	-0.29	0.29	80.97	-7.36
		-14.81	51.81	-2.49e-04	0.0	99.7	-0.63	-0.07	-0.29	0.29	51.81	-14.81
213	13	-2.566e+04	1420.32	1.45	0.0	0.0	-1747.26	-207.64	14.09	-32.33	15.67	-2.566e+04
		-4.636e+04	15.67	-8.22e-04	0.0	99.7	-1747.26	-207.64	14.09	-32.33	1420.32	-4.636e+04
214	1	7281.55	14.05	-0.02	-29.51	0.0	476.14	68.23	0.11	-0.35	2.68	1950.42
		1950.42	2.68	-5.74e-05	0.0	99.7	482.41	38.73	0.11	-0.35	14.05	7281.55
214	2	1.497e+04	34.10	-0.02	0.0	0.0	583.80	106.11	0.30	-1.32	4.17	4390.92
		4390.92	4.17	-1.11e-04	0.0	99.7	583.80	106.11	0.30	-1.32	34.10	1.497e+04
214	3	2.928e+04	66.71	-0.04	0.0	0.0	1142.04	207.57	0.59	-2.58	8.16	8589.57
		8589.57	8.16	-2.18e-04	0.0	99.7	1142.04	207.57	0.59	-2.58	66.71	2.928e+04
214	4	101.91	2517.50	0.07	0.0	0.0	-9.80	8.54	23.94	15.16	145.42	-948.90

		-948.90	145.42	-0.11	0.0	99.7	-9.80	8.54	23.94	15.16	2517.50	101.91
214	5	101.91	2517.50	0.07	0.0	0.0	-9.80	8.54	23.94	15.16	145.42	-948.90
		-948.90	145.42	-0.11	0.0	99.7	-9.80	8.54	23.94	15.16	2517.50	101.91
214	6	-540.65	801.20	0.40	0.0	0.0	-49.71	70.97	8.28	-20.28	-44.41	-7438.83
		-7438.83	-44.41	-0.03	0.0	99.7	-49.71	70.97	8.28	-20.28	801.20	-540.65
214	7	-750.01	46.28	0.54	0.0	0.0	-67.86	86.65	-6.40	17.96	46.28	-9171.04
		-9171.04	-615.00	0.03	0.0	99.7	-67.86	86.65	-6.40	17.96	-615.00	-750.01
214	8	32.44	800.48	0.02	0.0	0.0	-3.12	2.72	7.61	4.82	46.31	-301.75
		-301.75	46.31	-0.04	0.0	99.7	-3.12	2.72	7.61	4.82	800.48	32.44
214	9	32.44	800.48	0.02	0.0	0.0	-3.12	2.72	7.61	4.82	46.31	-301.75
		-301.75	46.31	-0.04	0.0	99.7	-3.12	2.72	7.61	4.82	800.48	32.44
214	10	-172.72	258.29	0.13	0.0	0.0	-15.86	25.20	2.67	-6.49	-14.43	-2618.16
		-2618.16	-14.43	-8.39e-03	0.0	99.7	-15.86	25.20	2.67	-6.49	258.29	-172.72
214	11	-238.55	14.86	0.17	0.0	0.0	-21.68	30.51	-2.07	5.81	14.86	-3196.72
		-3196.72	-199.07	8.39e-03	0.0	99.7	-21.68	30.51	-2.07	5.81	-199.07	-238.55
214	12	0.57	40.99	1.19e-04	0.0	0.0	-0.08	0.02	-0.10	0.27	40.99	-1.10
		-1.10	31.11	-1.45e-04	0.0	99.7	-0.08	0.02	-0.10	0.27	31.11	0.57
214	13	-2.352e+04	469.63	1.52	0.0	0.0	-1561.43	-147.56	4.70	-6.68	1.40	-2.352e+04
		-3.823e+04	1.40	-3.92e-04	0.0	99.7	-1561.43	-147.56	4.70	-6.68	469.63	-3.823e+04
215	1	7809.15	1.85	-0.02	-29.51	0.0	481.85	70.78	-6.21e-03	3.54e-03	1.85	2224.25
		2224.25	1.24	-5.29e-05	0.0	99.7	488.13	41.27	-6.21e-03	3.54e-03	1.24	7809.15
215	2	1.623e+04	2.26	-0.02	0.0	0.0	601.01	112.59	-3.22e-03	6.43e-03	2.26	5011.96
		5011.96	1.94	-1.03e-04	0.0	99.7	601.01	112.59	-3.22e-03	6.43e-03	1.94	1.623e+04
215	3	3.176e+04	4.42	-0.04	0.0	0.0	1175.71	220.24	-6.29e-03	0.01	4.42	9804.46
		9804.46	3.80	-2.02e-04	0.0	99.7	1175.71	220.24	-6.29e-03	0.01	3.80	3.176e+04
215	4	3.47	2534.37	-2.49e-04	0.0	0.0	-1.18	0.03	24.12	15.90	144.76	3.47
		0.47	144.76	-0.11	0.0	99.7	-1.18	0.03	24.12	15.90	2534.37	0.47
215	5	3.47	2534.37	-2.49e-04	0.0	0.0	-1.18	0.03	24.12	15.90	144.76	3.47
		0.47	144.76	-0.11	0.0	99.7	-1.18	0.03	24.12	15.90	2534.37	0.47
215	6	-669.99	692.31	0.47	0.0	0.0	-59.44	75.98	7.25	-19.63	-45.01	-8090.83
		-8090.83	-45.01	-0.03	0.0	99.7	-59.44	75.98	7.25	-19.63	692.31	-669.99
215	7	-668.32	44.10	0.47	0.0	0.0	-59.07	76.00	-7.27	19.69	44.10	-8080.46
		-8080.46	-694.75	0.03	0.0	99.7	-59.07	76.00	-7.27	19.69	-694.75	-668.32
215	8	1.10	805.80	-7.93e-05	0.0	0.0	-0.38	9.81e-03	7.67	5.06	46.10	1.10
		0.15	46.10	-0.04	0.0	99.7	-0.38	9.81e-03	7.67	5.06	805.80	0.15
215	9	1.10	805.80	-7.93e-05	0.0	0.0	-0.38	9.81e-03	7.67	5.06	46.10	1.10
		0.15	46.10	-0.04	0.0	99.7	-0.38	9.81e-03	7.67	5.06	805.80	0.15
215	10	-214.04	221.65	0.15	0.0	0.0	-18.97	26.70	2.32	-6.32	-14.56	-2817.19
		-2817.19	-14.56	-8.40e-03	0.0	99.7	-18.97	26.70	2.32	-6.32	221.65	-214.04
215	11	-213.35	14.19	0.15	0.0	0.0	-18.85	26.71	-2.33	6.34	14.19	-2813.33
		-2813.33	-222.50	8.39e-03	0.0	99.7	-18.85	26.71	-2.33	6.34	-222.50	-213.35
215	12	-4.42	-0.03	1.50e-04	0.0	0.0	-0.25	-0.01	-1.23e-03	-5.97e-06	-0.03	-4.42
		-5.79	-0.15	0.0	0.0	99.7	-0.25	-0.01	-1.23e-03	-5.97e-06	-0.15	-5.79
215	13	-2.533e+04	-4.99	1.55	0.0	0.0	-1605.55	-160.67	7.88e-03	0.02	-5.78	-2.533e+04
		-4.135e+04	-5.78	-2.71e-04	0.0	99.7	-1605.55	-160.67	7.88e-03	0.02	-4.99	-4.135e+04
216	1	7281.50	1.02	-0.02	-29.51	0.0	476.14	68.24	-0.13	0.35	1.02	1950.33
		1950.33	-11.57	-4.85e-05	0.0	99.7	482.41	38.73	-0.13	0.35	-11.57	7281.50
216	2	1.497e+04	0.32	-0.02	0.0	0.0	583.81	106.11	-0.31	1.33	0.32	4390.46
		4390.46	-30.17	-9.56e-05	0.0	99.7	583.81	106.11	-0.31	1.33	-30.17	1.497e+04
216	3	2.928e+04	0.62	-0.04	0.0	0.0	1142.06	207.57	-0.60	2.60	0.62	8588.67
		8588.67	-59.02	-1.87e-04	0.0	99.7	1142.06	207.57	-0.60	2.60	-59.02	2.928e+04
216	4	949.48	2518.11	-0.07	0.0	0.0	-8.93	-8.55	23.95	15.15	145.50	949.48
		-102.10	145.50	-0.11	0.0	99.7	-8.93	-8.55	23.95	15.15	2518.11	-102.10
216	5	949.48	2518.11	-0.07	0.0	0.0	-8.93	-8.55	23.95	15.15	145.50	949.48
		-102.10	145.50	-0.11	0.0	99.7	-8.93	-8.55	23.95	15.15	2518.11	-102.10
216	6	-750.31	613.43	0.54	0.0	0.0	-68.25	86.79	6.38	-17.91	-47.07	-9165.22
		-9165.22	-47.07	-0.03	0.0	99.7	-68.25	86.79	6.38	-17.91	613.43	-750.31
216	7	-541.77	43.45	0.40	0.0	0.0	-49.42	70.89	-8.29	20.30	43.45	-7426.57
		-7426.57	-802.38	0.03	0.0	99.7	-49.42	70.89	-8.29	20.30	-802.38	-541.77
216	8	301.94	800.68	-0.02	0.0	0.0	-2.84	-2.72	7.61	4.82	46.33	301.94
		-32.50	46.33	-0.04	0.0	99.7	-2.84	-2.72	7.61	4.82	800.68	-32.50
216	9	301.94	800.68	-0.02	0.0	0.0	-2.84	-2.72	7.61	4.82	46.33	301.94
		-32.50	46.33	-0.04	0.0	99.7	-2.84	-2.72	7.61	4.82	800.68	-32.50
216	10	-238.63	198.67	0.17	0.0	0.0	-21.80	30.56	2.06	-5.80	-15.17	-3194.07
		-3194.07	-15.17	-8.40e-03	0.0	99.7	-21.80	30.56	2.06	-5.80	198.67	-238.63
216	11	-173.27	14.03	0.13	0.0	0.0	-15.77	25.17	-2.67	6.50	14.03	-2613.51
		-2613.51	-258.71	8.39e-03	0.0	99.7	-15.77	25.17	-2.67	6.50	-258.71	-173.27
216	12	0.55	-31.42	1.19e-04	0.0	0.0	-0.11	0.02	0.10	-0.27	-41.04	-1.10
		-1.10	-41.04	1.46e-04	0.0	99.7	-0.11	0.02	0.10	-0.27	-31.42	0.55
216	13	-2.352e+04	-12.87	1.52	0.0	0.0	-1561.36	-147.59	-4.69	6.74	-12.87	-2.352e+04
		-3.823e+04	-480.63	-2.89e-04	0.0	99.7	-1561.36	-147.59	-4.69	6.74	-480.63	-3.823e+04
217	1	8373.98	22.28	-0.03	-29.51	0.0	509.00	75.79	0.21	-0.96	1.50	2290.12
		2290.12	1.50	-4.00e-05	0.0	99.7	515.28	46.28	0.21	-0.96	22.28	8373.98
217	2	1.831e+04	53.48	-0.03	0.0	0.0	663.99	126.23	0.52	-3.04	1.98	5724.45
		5724.45	1.98	-7.93e-05	0.0	99.7	663.99	126.23	0.52	-3.04	53.48	1.831e+04
217	3	3.581e+04	104.61	-0.05	0.0	0.0	1298.90	246.92	1.01	-5.94	3.87	1.120e+04

		1.120e+04	3.87	-1.55e-04	0.0	99.7	1298.90	246.92	1.01	-5.94	104.61	3.581e+04
217	4	1721.83	2494.89	-0.14	0.0	0.0	18.43	-14.84	23.67	13.97	148.05	1721.83
		245.46	148.05	-0.11	0.0	99.7	18.43	-14.84	23.67	13.97	2494.89	245.46
217	5	1721.83	2494.89	-0.14	0.0	0.0	18.43	-14.84	23.67	13.97	148.05	1721.83
		245.46	148.05	-0.11	0.0	99.7	18.43	-14.84	23.67	13.97	2494.89	245.46
217	6	-892.55	-50.02	0.57	0.0	0.0	-73.93	83.70	-6.05	13.32	-50.02	-8977.62
		-8977.62	-597.95	-0.03	0.0	99.7	-73.93	83.70	-6.05	13.32	-597.95	-892.55
217	7	-476.88	43.76	0.34	0.0	0.0	-41.67	59.81	-8.22	18.77	43.76	-6337.66
		-6337.66	-801.86	0.03	0.0	99.7	-41.67	59.81	-8.22	18.77	-801.86	-476.88
217	8	547.45	793.34	-0.04	0.0	0.0	5.86	-4.72	7.53	4.44	47.14	547.45
		78.05	47.14	-0.04	0.0	99.7	5.86	-4.72	7.53	4.44	793.34	78.05
217	9	547.45	793.34	-0.04	0.0	0.0	5.86	-4.72	7.53	4.44	47.14	547.45
		78.05	47.14	-0.04	0.0	99.7	5.86	-4.72	7.53	4.44	793.34	78.05
217	10	-284.09	-16.11	0.18	0.0	0.0	-23.55	29.17	-2.04	4.30	-16.11	-3090.43
		-3090.43	-200.86	-8.39e-03	0.0	99.7	-23.55	29.17	-2.04	4.30	-200.86	-284.09
217	11	-152.93	14.14	0.11	0.0	0.0	-13.28	21.22	-2.66	6.02	14.14	-2231.20
		-2231.20	-259.99	8.38e-03	0.0	99.7	-13.28	21.22	-2.66	6.02	-259.99	-152.93
217	12	-7.37	-52.16	7.42e-05	0.0	0.0	-0.71	-0.07	0.29	-0.29	-81.03	-7.37
		-14.83	-81.03	2.50e-04	0.0	99.7	-0.71	-0.07	0.29	-0.29	-52.16	-14.83
217	13	-2.565e+04	-27.38	1.45	0.0	0.0	-1747.00	-207.73	-14.11	32.43	-27.38	-2.565e+04
		-4.636e+04	-1433.91	5.29e-04	0.0	99.7	-1747.00	-207.73	-14.11	32.43	-1433.91	-4.636e+04
218	1	5505.21	-13.65	-0.02	-29.51	0.0	327.92	46.14	-1.44	1.59	-13.65	2376.98
		2376.98	-157.05	-8.20e-05	0.0	99.7	334.20	16.63	-1.44	1.59	-157.05	5505.21
218	2	6259.41	-18.18	7.11e-03	0.0	0.0	252.74	45.43	-3.92	-3.34	-18.18	1730.41
		1730.41	-408.87	1.46e-04	0.0	99.7	252.74	45.43	-3.92	-3.34	-408.87	6259.41
218	3	1.224e+04	-35.57	0.01	0.0	0.0	494.41	88.88	-7.67	-6.54	-35.57	3385.05
		3385.05	-799.84	2.86e-04	0.0	99.7	494.41	88.88	-7.67	-6.54	-799.84	1.224e+04
218	4	2046.91	1921.52	-0.19	0.0	0.0	77.19	-18.43	17.20	15.56	214.58	2046.91
		210.37	214.58	-0.11	0.0	99.7	77.19	-18.43	17.20	15.56	1921.52	210.37
218	5	2046.91	1921.52	-0.19	0.0	0.0	77.19	-18.43	17.20	15.56	214.58	2046.91
		210.37	214.58	-0.11	0.0	99.7	77.19	-18.43	17.20	15.56	1921.52	210.37
218	6	-654.61	-51.41	0.56	0.0	0.0	-57.52	58.22	-5.49	20.10	-51.41	-6436.45
		-6436.45	-576.55	-0.03	0.0	99.7	-57.52	58.22	-5.49	20.10	-576.55	-654.61
218	7	-296.12	44.86	0.27	0.0	0.0	-33.82	31.06	-5.52	22.66	44.86	-3382.82
		-3382.82	-541.27	0.03	0.0	99.7	-33.82	31.06	-5.52	22.66	-541.27	-296.12
218	8	650.89	610.94	-0.06	0.0	0.0	24.54	-5.86	5.47	4.95	68.28	650.89
		66.90	68.28	-0.04	0.0	99.7	24.54	-5.86	5.47	4.95	610.94	66.90
218	9	650.89	610.94	-0.06	0.0	0.0	24.54	-5.86	5.47	4.95	68.28	650.89
		66.90	68.28	-0.04	0.0	99.7	24.54	-5.86	5.47	4.95	610.94	66.90
218	10	-208.79	-16.65	0.18	0.0	0.0	-18.32	18.92	-1.84	6.88	-16.65	-2085.96
		-2085.96	-191.68	-8.39e-03	0.0	99.7	-18.32	18.92	-1.84	6.88	-191.68	-208.79
218	11	-95.15	14.49	0.09	0.0	0.0	-10.79	10.23	-1.79	7.55	14.49	-1110.41
		-1110.41	-175.75	8.39e-03	0.0	99.7	-10.79	10.23	-1.79	7.55	-175.75	-95.15
218	12	5.66	-21.01	-2.45e-04	0.0	0.0	1.60	-0.09	1.16	-1.70	-136.96	5.66
		-3.76	-136.96	2.03e-04	0.0	99.7	1.60	-0.09	1.16	-1.70	-21.01	-3.76
218	13	-1.502e+04	25.36	1.18	0.0	0.0	-728.38	-14.15	-12.06	48.23	25.36	-1.502e+04
		-1.643e+04	-1176.87	4.52e-04	0.0	99.7	-728.38	-14.15	-12.06	48.23	-1176.87	-1.643e+04
219	1	1110.00	360.17	-0.03	-3.22	0.0	0.78	36.08	-9.87	-0.30	360.17	6.99
		6.99	55.26	2.36e-03	0.69	32.0	0.78	32.86	-9.19	-0.30	55.26	1110.00
219	2	2933.78	858.82	-0.09	0.0	0.0	0.84	91.58	-22.34	-0.92	858.82	3.15
		3.15	143.83	5.70e-03	0.0	32.0	0.84	91.58	-22.34	-0.92	143.83	2933.78
219	3	5739.10	1680.04	-0.18	0.0	0.0	1.65	179.15	-43.71	-1.81	1680.04	6.16
		6.16	281.36	0.01	0.0	32.0	1.65	179.15	-43.71	-1.81	281.36	5739.10
219	4	-17.56	1175.34	-2.64e-03	0.0	0.0	-16.06	-1.34	-40.54	-1.22	1175.34	-17.56
		-58.10	-188.25	-0.03	0.0	32.0	-16.06	-1.34	-40.54	-1.22	-188.25	-58.10
219	5	-17.56	1175.34	-2.64e-03	0.0	0.0	-16.06	-1.34	-40.54	-1.22	1175.34	-17.56
		-58.10	-188.25	-0.03	0.0	32.0	-16.06	-1.34	-40.54	-1.22	-188.25	-58.10
219	6	2.13	889.16	5.23e-03	0.0	0.0	1.99	-1.28	-22.19	2.69	889.16	2.13
		-41.32	256.27	5.42e-03	0.0	32.0	1.99	-1.28	-22.19	2.69	256.27	-41.32
219	7	-2.10	1248.32	3.82e-03	0.0	0.0	-1.95	-3.09	-23.72	1.89	1248.32	-2.10
		-98.38	509.65	-0.01	0.0	32.0	-1.95	-3.09	-23.72	1.89	509.65	-98.38
219	8	-5.58	373.82	-8.40e-04	0.0	0.0	-5.10	-0.43	-12.89	-0.39	373.82	-5.58
		-18.48	-59.86	-9.45e-03	0.0	32.0	-5.10	-0.43	-12.89	-0.39	-59.86	-18.48
219	9	-5.58	373.82	-8.40e-04	0.0	0.0	-5.10	-0.43	-12.89	-0.39	373.82	-5.58
		-18.48	-59.86	-9.45e-03	0.0	32.0	-5.10	-0.43	-12.89	-0.39	-59.86	-18.48
219	10	0.69	291.93	1.70e-03	0.0	0.0	0.63	-0.43	-7.20	0.89	291.93	0.69
		-13.74	86.22	1.70e-03	0.0	32.0	0.63	-0.43	-7.20	0.89	86.22	-13.74
219	11	-0.68	413.03	1.22e-03	0.0	0.0	-0.62	-1.00	-7.90	0.64	413.03	-0.68
		-31.73	167.04	-4.29e-03	0.0	32.0	-0.62	-1.00	-7.90	0.64	167.04	-31.73
219	12	-3.40	2.13	2.22e-04	0.0	0.0	1.67	-0.16	-0.11	-1.12e-03	2.13	-3.40
		-8.66	-1.41	1.72e-05	0.0	32.0	1.67	-0.16	-0.11	-1.12e-03	-1.41	-8.66
219	13	-7.68	2262.13	0.24	0.0	0.0	-2.19	-227.59	-44.14	6.60	2262.13	-7.68
		-7290.69	849.80	0.02	0.0	32.0	-2.19	-227.59	-44.14	6.60	849.80	-7290.69
220	1	3761.81	390.13	-0.11	-16.62	0.0	0.98	24.38	-6.15	-0.26	390.13	1110.42
		1110.42	-333.53	0.04	3.53	165.0	0.98	7.76	-2.62	-0.26	-333.53	3761.81
220	2	1.171e+04	957.44	-0.34	0.0	0.0	0.95	53.16	-12.09	-0.74	957.44	2933.90

		2933.90	-1036.72	0.11	0.0	165.0	0.95	53.16	-12.09	-0.74	-1036.72	1.171e+04
220	3	2.290e+04	1872.96	-0.67	0.0	0.0	1.87	104.00	-23.64	-1.44	1872.96	5739.32
		5739.32	-2028.05	0.22	0.0	165.0	1.87	104.00	-23.64	-1.44	-2028.05	2.290e+04
220	4	-59.03	786.95	-0.02	0.0	0.0	-13.17	-0.73	-8.90	-1.09	786.95	-59.03
		-178.65	-680.99	-0.07	0.0	165.0	-13.17	-0.73	-8.90	-1.09	-680.99	-178.65
220	5	-59.03	786.95	-0.02	0.0	0.0	-13.17	-0.73	-8.90	-1.09	786.95	-59.03
		-178.65	-680.99	-0.07	0.0	165.0	-13.17	-0.73	-8.90	-1.09	-680.99	-178.65
220	6	-41.46	1116.81	8.39e-03	0.0	0.0	-1.64	-1.01	-12.46	2.90	1116.81	-41.46
		-205.95	-939.79	0.14	0.0	165.0	-1.64	-1.01	-12.46	2.90	-939.79	-205.95
220	7	-98.61	1925.73	-1.87e-03	0.0	0.0	-1.55	-1.98	-21.77	2.22	1925.73	-98.61
		-424.20	-1667.69	0.12	0.0	165.0	-1.55	-1.98	-21.77	2.22	-1667.69	-424.20
220	8	-18.77	250.34	-5.02e-03	0.0	0.0	-4.19	-0.23	-2.83	-0.35	250.34	-18.77
		-56.85	-216.60	-0.02	0.0	165.0	-4.19	-0.23	-2.83	-0.35	-216.60	-56.85
220	9	-18.77	250.34	-5.02e-03	0.0	0.0	-4.19	-0.23	-2.83	-0.35	250.34	-18.77
		-56.85	-216.60	-0.02	0.0	165.0	-4.19	-0.23	-2.83	-0.35	-216.60	-56.85
220	10	-13.79	371.57	1.80e-03	0.0	0.0	-0.52	-0.36	-4.15	0.95	371.57	-13.79
		-71.46	-312.92	0.04	0.0	165.0	-0.52	-0.36	-4.15	0.95	-312.92	-71.46
220	11	-31.80	634.02	-1.32e-03	0.0	0.0	-0.49	-0.65	-7.17	0.74	634.02	-31.80
		-138.49	-549.95	0.04	0.0	165.0	-0.49	-0.65	-7.17	0.74	-549.95	-138.49
220	12	-8.83	6.12	8.35e-04	0.0	0.0	1.43	-0.09	-0.07	5.37e-03	6.12	-8.83
		-23.96	-4.87	6.47e-04	0.0	165.0	1.43	-0.09	-0.07	5.37e-03	-4.87	-23.96
220	13	-7291.83	3372.09	0.93	0.0	0.0	-2.71	-132.40	-36.09	7.38	3372.09	-7291.83
		-2.914e+04	-2582.51	0.47	0.0	165.0	-2.71	-132.40	-36.09	7.38	-2582.51	-2.914e+04
221	1	3761.90	69.41	0.02	-16.62	0.0	0.94	-0.45	-0.36	-0.21	-162.27	3761.90
		2316.42	-165.18	-0.02	3.53	165.0	0.94	-17.07	3.17	-0.21	69.41	2316.42
221	2	1.171e+04	34.97	0.05	0.0	0.0	0.89	-24.19	3.50	-0.54	-541.76	1.171e+04
		7714.67	-541.76	-0.05	0.0	165.0	0.89	-24.19	3.50	-0.54	34.97	7714.67
221	3	2.290e+04	68.41	0.09	0.0	0.0	1.73	-47.32	6.84	-1.06	-1059.80	2.290e+04
		1.509e+04	-1059.80	-0.10	0.0	165.0	1.73	-47.32	6.84	-1.06	68.41	1.509e+04
221	4	-120.36	625.32	-0.02	0.0	0.0	-5.50	0.48	-7.87	-1.44	625.32	-178.72
		-178.72	-675.16	-0.08	0.0	165.0	-5.50	0.48	-7.87	-1.44	-675.16	-120.36
221	5	-120.36	625.32	-0.02	0.0	0.0	-5.50	0.48	-7.87	-1.44	625.32	-178.72
		-178.72	-675.16	-0.08	0.0	165.0	-5.50	0.48	-7.87	-1.44	-675.16	-120.36
221	6	-206.14	734.67	0.03	0.0	0.0	-0.69	0.52	-9.52	2.51	734.67	-206.14
		-249.60	-842.82	0.13	0.0	165.0	-0.69	0.52	-9.52	2.51	-842.82	-249.60
221	7	-394.57	908.67	6.58e-03	0.0	0.0	-0.59	0.54	-12.65	1.57	908.67	-424.63
		-424.63	-1193.96	0.05	0.0	165.0	-0.59	0.54	-12.65	1.57	-1193.96	-394.57
221	8	-38.37	199.16	-6.95e-03	0.0	0.0	-1.75	0.15	-2.51	-0.46	199.16	-56.87
		-56.87	-214.93	-0.03	0.0	165.0	-1.75	0.15	-2.51	-0.46	-214.93	-38.37
221	9	-38.37	199.16	-6.95e-03	0.0	0.0	-1.75	0.15	-2.51	-0.46	199.16	-56.87
		-56.87	-214.93	-0.03	0.0	165.0	-1.75	0.15	-2.51	-0.46	-214.93	-38.37
221	10	-71.52	246.42	8.07e-03	0.0	0.0	-0.22	0.19	-3.18	0.81	246.42	-71.52
		-90.12	-281.65	0.04	0.0	165.0	-0.22	0.19	-3.18	0.81	-281.65	-90.12
221	11	-130.53	300.39	1.96e-03	0.0	0.0	-0.19	0.19	-4.17	0.52	300.39	-138.63
		-138.63	-394.17	0.02	0.0	165.0	-0.19	0.19	-4.17	0.52	-394.17	-130.53
221	12	-12.68	5.23	1.12e-04	0.0	0.0	1.30	0.07	-0.06	0.01	5.23	-23.93
		-23.93	-5.27	7.69e-04	0.0	165.0	1.30	0.07	-0.06	0.01	-5.27	-12.68
221	13	-1.936e+04	3117.62	0.11	0.0	0.0	-2.84	59.26	-37.80	5.77	3117.62	-2.914e+04
		-2.914e+04	-3118.65	0.57	0.0	165.0	-2.84	59.26	-37.80	5.77	-3118.65	-1.936e+04
222	1	2316.12	641.66	0.10	-16.62	0.0	0.99	-24.76	5.31	-0.12	-525.67	2316.12
		-3140.55	-525.67	-0.08	3.53	165.0	0.99	-41.38	8.84	-0.12	641.66	-3140.55
222	2	7713.96	1583.45	0.28	0.0	0.0	0.99	-100.63	18.78	-0.28	-1514.99	7713.96
		-8889.85	-1514.99	-0.20	0.0	165.0	0.99	-100.63	18.78	-0.28	1583.45	-8889.85
222	3	1.509e+04	3097.57	0.54	0.0	0.0	1.93	-196.85	36.73	-0.54	-2963.65	1.509e+04
		-1.739e+04	-2963.65	-0.39	0.0	165.0	1.93	-196.85	36.73	-0.54	3097.57	-1.739e+04
222	4	75.06	434.18	-0.03	0.0	0.0	2.17	0.95	-5.81	-1.69	434.18	-120.28
		-120.28	-526.16	-0.12	0.0	165.0	2.17	0.95	-5.81	-1.69	-526.16	75.06
222	5	75.06	434.18	-0.03	0.0	0.0	2.17	0.95	-5.81	-1.69	434.18	-120.28
		-120.28	-526.16	-0.12	0.0	165.0	2.17	0.95	-5.81	-1.69	-526.16	75.06
222	6	246.00	-504.76	0.04	0.0	0.0	-0.35	1.22	6.89	2.40	-504.76	-249.71
		-249.71	-640.15	0.08	0.0	165.0	-0.35	1.22	6.89	2.40	-640.15	246.00
222	7	205.54	736.74	6.61e-03	0.0	0.0	-0.61	2.63	8.28	1.88	-655.12	-394.71
		-394.71	-655.12	-0.08	0.0	165.0	-0.61	2.63	8.28	1.88	736.74	205.54
222	8	23.96	138.49	-9.15e-03	0.0	0.0	0.69	0.30	-1.85	-0.54	138.49	-38.34
		-38.34	-167.82	-0.04	0.0	165.0	0.69	0.30	-1.85	-0.54	-167.82	23.96
222	9	23.96	138.49	-9.15e-03	0.0	0.0	0.69	0.30	-1.85	-0.54	138.49	-38.34
		-38.34	-167.82	-0.04	0.0	165.0	0.69	0.30	-1.85	-0.54	-167.82	23.96
222	10	90.49	-177.92	0.01	0.0	0.0	-0.11	0.41	2.40	0.77	-177.92	-90.15
		-90.15	-221.28	0.03	0.0	165.0	-0.11	0.41	2.40	0.77	-221.28	90.49
222	11	75.37	255.66	3.17e-03	0.0	0.0	-0.20	0.87	2.90	0.61	-231.52	-130.58
		-130.58	-231.52	-0.03	0.0	165.0	-0.20	0.87	2.90	0.61	255.66	75.37
222	12	6.18	4.62	-4.26e-04	0.0	0.0	1.18	0.11	-0.06	8.65e-03	4.62	-12.62
		-12.62	-5.56	6.43e-04	0.0	165.0	1.18	0.11	-0.06	8.65e-03	-5.56	6.18
222	13	2.168e+04	2580.70	-0.62	0.0	0.0	-3.17	248.71	-36.00	4.09	2580.70	-1.936e+04
		-1.936e+04	-3359.92	0.47	0.0	165.0	-3.17	248.71	-36.00	4.09	-3359.92	2.168e+04
223	1	-3140.71	523.03	0.01	-3.32	0.0	0.64	-48.51	11.80	-0.06	122.12	-3140.71

		-4796.35	122.12	-3.62e-03	0.71	33.0	0.64	-51.83	12.50	-0.06	523.03	-4796.35
223	2	-8890.20	1263.44	0.03	0.0	0.0	0.54	-135.83	28.89	0.01	310.13	-8890.20
		-1.337e+04	310.13	-8.84e-03	0.0	33.0	0.54	-135.83	28.89	0.01	1263.44	-1.337e+04
223	3	-1.739e+04	2471.55	0.06	0.0	0.0	1.06	-265.72	56.51	0.02	606.67	-1.739e+04
		-2.616e+04	606.67	-0.02	0.0	33.0	1.06	-265.72	56.51	0.02	2471.55	-2.616e+04
223	4	97.61	196.97	-3.16e-03	0.0	0.0	5.22	1.05	-34.99	-1.40	196.97	74.75
		74.75	-970.48	-0.03	0.0	33.0	5.22	1.05	-34.99	-1.40	-970.48	97.61
223	5	97.61	196.97	-3.16e-03	0.0	0.0	5.22	1.05	-34.99	-1.40	196.97	74.75
		74.75	-970.48	-0.03	0.0	33.0	5.22	1.05	-34.99	-1.40	-970.48	97.61
223	6	270.95	-167.17	1.42e-03	0.0	0.0	-0.70	1.85	-14.47	2.96	-167.17	246.03
		246.03	-523.66	9.43e-03	0.0	33.0	-0.70	1.85	-14.47	2.96	-523.66	270.95
223	7	278.00	599.97	-3.82e-03	0.0	0.0	-0.91	3.79	17.98	1.88	-237.44	205.59
		205.59	-237.44	-0.02	0.0	33.0	-0.91	3.79	17.98	1.88	599.97	278.00
223	8	31.09	62.63	-9.98e-04	0.0	0.0	1.66	0.33	-11.13	-0.44	62.63	23.86
		23.86	-308.86	-0.01	0.0	33.0	1.66	0.33	-11.13	-0.44	-308.86	31.09
223	9	31.09	62.63	-9.98e-04	0.0	0.0	1.66	0.33	-11.13	-0.44	62.63	23.86
		23.86	-308.86	-0.01	0.0	33.0	1.66	0.33	-11.13	-0.44	-308.86	31.09
223	10	98.45	-57.08	3.02e-04	0.0	0.0	-0.22	0.63	-4.81	0.95	-57.08	90.51
		90.51	-178.57	3.02e-03	0.0	33.0	-0.22	0.63	-4.81	0.95	-178.57	98.45
223	11	99.01	205.78	-1.34e-03	0.0	0.0	-0.29	1.26	5.97	0.62	-79.13	75.39
		75.39	-79.13	-6.71e-03	0.0	33.0	-0.29	1.26	5.97	0.62	205.78	99.01
223	12	9.37	1.36	-7.95e-05	0.0	0.0	1.01	0.10	-0.19	4.07e-03	1.36	6.17
		6.17	-4.86	2.16e-05	0.0	33.0	1.01	0.10	-0.19	4.07e-03	-4.86	9.37
223	13	3.277e+04	-798.01	-0.07	0.0	0.0	-1.99	336.00	-43.76	4.90	-798.01	2.168e+04
		2.168e+04	-2241.97	0.02	0.0	33.0	-1.99	336.00	-43.76	4.90	-2241.97	3.277e+04
224	1	-3416.63	460.18	5.27e-03	-3.22	0.0	0.42	44.76	-11.32	-0.07	460.18	-4797.27
		-4797.27	109.03	2.94e-03	0.69	32.0	0.42	41.53	-10.63	-0.07	109.03	-3416.63
224	2	-9645.16	1112.20	0.01	0.0	0.0	-4.33e-03	116.60	-26.07	-0.34	1112.20	-1.338e+04
		-1.338e+04	277.97	7.19e-03	0.0	32.0	-4.33e-03	116.60	-26.07	-0.34	277.97	-9645.16
224	3	-1.887e+04	2175.70	0.03	0.0	0.0	-8.47e-03	228.09	-51.00	-0.66	2175.70	-2.617e+04
		-2.617e+04	543.77	0.01	0.0	32.0	-8.47e-03	228.09	-51.00	-0.66	543.77	-1.887e+04
224	4	91.53	1134.04	-4.37e-03	0.0	0.0	-14.23	-0.73	-39.43	-1.85	1134.04	91.53
		79.14	-145.12	-0.03	0.0	32.0	-14.23	-0.73	-39.43	-1.85	-145.12	79.14
224	5	91.53	1134.04	-4.37e-03	0.0	0.0	-14.23	-0.73	-39.43	-1.85	1134.04	91.53
		79.14	-145.12	-0.03	0.0	32.0	-14.23	-0.73	-39.43	-1.85	-145.12	79.14
224	6	270.93	1089.32	4.54e-03	0.0	0.0	-1.79	-2.54	-26.89	2.46	1089.32	270.93
		212.02	286.97	0.01	0.0	32.0	-1.79	-2.54	-26.89	2.46	286.97	212.02
224	7	278.14	1082.80	-1.35e-03	0.0	0.0	-1.67	-3.76	-23.56	-2.63	1082.80	278.14
		192.74	363.37	-0.02	0.0	32.0	-1.67	-3.76	-23.56	-2.63	363.37	192.74
224	8	29.16	360.85	-1.39e-03	0.0	0.0	-4.52	-0.23	-12.54	-0.59	360.85	29.16
		25.22	-46.17	-9.35e-03	0.0	32.0	-4.52	-0.23	-12.54	-0.59	-46.17	25.22
224	9	29.16	360.85	-1.39e-03	0.0	0.0	-4.52	-0.23	-12.54	-0.59	360.85	29.16
		25.22	-46.17	-9.35e-03	0.0	32.0	-4.52	-0.23	-12.54	-0.59	-46.17	25.22
224	10	98.46	370.86	1.40e-03	0.0	0.0	-0.57	-0.91	-9.01	0.81	370.86	98.46
		77.36	101.35	3.89e-03	0.0	32.0	-0.57	-0.91	-9.01	0.81	101.35	77.36
224	11	99.05	381.08	-4.34e-04	0.0	0.0	-0.53	-1.30	-8.38	-0.87	381.08	99.05
		69.99	123.73	-5.00e-03	0.0	32.0	-0.53	-1.30	-8.38	-0.87	123.73	69.99
224	12	8.75	2.18	-6.44e-05	0.0	0.0	1.31	-0.03	-0.14	3.62e-03	2.18	8.75
		7.71	-2.35	2.12e-06	0.0	32.0	1.31	-0.03	-0.14	3.62e-03	-2.35	7.71
224	13	3.278e+04	748.41	-0.02	0.0	0.0	-0.56	-288.61	-17.11	2.49	748.41	3.278e+04
		2.354e+04	201.00	6.03e-03	0.0	32.0	-0.56	-288.61	-17.11	2.49	201.00	2.354e+04
225	1	901.98	549.89	-0.02	-16.62	0.0	0.77	34.48	-7.85	-0.01	549.89	-3416.59
		-3416.59	-453.46	0.06	3.53	165.0	0.77	17.86	-4.31	-0.01	-453.46	901.98
225	2	3810.63	1360.37	-0.08	0.0	0.0	0.43	81.55	-16.36	-0.06	1360.37	-9645.28
		-9645.28	-1339.54	0.17	0.0	165.0	0.43	81.55	-16.36	-0.06	-1339.54	3810.63
225	3	7454.41	2661.18	-0.16	0.0	0.0	0.84	159.53	-32.01	-0.11	2661.18	-1.887e+04
		-1.887e+04	-2620.42	0.33	0.0	165.0	0.84	159.53	-32.01	-0.11	-2620.42	7454.41
225	4	89.04	727.16	-0.03	0.0	0.0	-11.22	-0.47	-8.17	-1.53	727.16	78.74
		78.74	-620.57	-0.10	0.0	165.0	-11.22	-0.47	-8.17	-1.53	-620.57	89.04
225	5	89.04	727.16	-0.03	0.0	0.0	-11.22	-0.47	-8.17	-1.53	727.16	78.74
		78.74	-620.57	-0.10	0.0	165.0	-11.22	-0.47	-8.17	-1.53	-620.57	89.04
225	6	211.87	1353.92	0.01	0.0	0.0	-1.44	-1.98	-15.51	2.76	1353.92	211.87
		-224.07	-1206.58	0.17	0.0	165.0	-1.44	-1.98	-15.51	2.76	-1206.58	-224.07
225	7	192.59	1507.58	-0.03	0.0	0.0	-1.28	-2.67	-17.65	1.82	1507.58	192.59
		-354.61	-1406.45	0.03	0.0	165.0	-1.28	-2.67	-17.65	1.82	-1406.45	-354.61
225	8	28.33	231.67	-8.54e-03	0.0	0.0	-3.57	-0.15	-2.60	-0.49	231.67	25.09
		25.09	-197.65	-0.03	0.0	165.0	-3.57	-0.15	-2.60	-0.49	-197.65	28.33
225	9	28.33	231.67	-8.54e-03	0.0	0.0	-3.57	-0.15	-2.60	-0.49	231.67	25.09
		25.09	-197.65	-0.03	0.0	165.0	-3.57	-0.15	-2.60	-0.49	-197.65	28.33
225	10	77.31	468.22	3.19e-03	0.0	0.0	-0.46	-0.72	-5.38	0.88	468.22	77.31
		-80.76	-420.62	0.06	0.0	165.0	-0.46	-0.72	-5.38	0.88	-420.62	-80.76
225	11	69.94	523.28	-9.04e-03	0.0	0.0	-0.41	-0.93	-6.15	0.58	523.28	69.94
		-123.61	-491.85	0.01	0.0	165.0	-0.41	-0.93	-6.15	0.58	-491.85	-123.61
225	12	7.69	1.48	-1.68e-04	0.0	0.0	1.14	-0.02	-0.02	2.83e-03	1.48	7.69
		3.93	-1.37	9.40e-05	0.0	165.0	1.14	-0.02	-0.02	2.83e-03	-1.37	3.93
225	13	2.354e+04	1053.89	0.25	0.0	0.0	-1.82	-201.71	-11.35	3.42	1053.89	2.354e+04

		-9741.93	-818.68	0.15	0.0	165.0	-1.82	-201.71	-11.35	3.42	-818.68	-9741.93
226	1	1466.01	-16.18	-9.41e-03	-16.62	0.0	0.70	10.66	-2.13	0.06	-16.18	902.18
		902.18	-122.20	9.26e-03	3.53	165.0	0.70	-5.96	1.40	0.06	-76.54	1290.21
226	2	4804.09	-173.04	-0.03	0.0	0.0	0.31	6.02	-0.97	0.16	-173.04	3810.94
		3810.94	-333.43	0.02	0.0	165.0	0.31	6.02	-0.97	0.16	-333.43	4804.09
226	3	9397.82	-338.51	-0.05	0.0	0.0	0.60	11.77	-1.90	0.32	-338.51	7455.00
		7455.00	-652.25	0.05	0.0	165.0	0.60	11.77	-1.90	0.32	-652.25	9397.82
226	4	99.82	680.65	-0.03	0.0	0.0	-3.54	0.14	-8.35	-1.61	680.65	89.02
		89.02	-698.13	-0.11	0.0	165.0	-3.54	0.14	-8.35	-1.61	-698.13	99.82
226	5	99.82	680.65	-0.03	0.0	0.0	-3.54	0.14	-8.35	-1.61	680.65	89.02
		89.02	-698.13	-0.11	0.0	165.0	-3.54	0.14	-8.35	-1.61	-698.13	99.82
226	6	-224.24	693.44	0.03	0.0	0.0	-0.53	-0.84	-9.18	2.66	693.44	-224.24
		-289.01	-849.47	0.14	0.0	165.0	-0.53	-0.84	-9.18	2.66	-849.47	-289.01
226	7	-354.86	578.58	-0.01	0.0	0.0	-0.46	-0.59	-7.34	-2.08	578.58	-354.86
		-377.07	-713.28	-0.06	0.0	165.0	-0.46	-0.59	-7.34	-2.08	-713.28	-377.07
226	8	31.79	216.87	-8.22e-03	0.0	0.0	-1.13	0.05	-2.66	-0.51	216.87	28.32
		28.32	-222.44	-0.03	0.0	165.0	-1.13	0.05	-2.66	-0.51	-222.44	31.79
226	9	31.79	216.87	-8.22e-03	0.0	0.0	-1.13	0.05	-2.66	-0.51	216.87	28.32
		28.32	-222.44	-0.03	0.0	165.0	-1.13	0.05	-2.66	-0.51	-222.44	31.79
226	10	-80.82	228.96	9.33e-03	0.0	0.0	-0.17	-0.32	-3.04	0.85	228.96	-80.82
		-106.03	-283.69	0.05	0.0	165.0	-0.17	-0.32	-3.04	0.85	-283.69	-106.03
226	11	-123.69	190.56	-4.11e-03	0.0	0.0	-0.15	-0.22	-2.40	-0.66	190.56	-123.69
		-132.57	-236.85	-0.02	0.0	165.0	-0.15	-0.22	-2.40	-0.66	-236.85	-132.57
226	12	3.94	1.26	1.36e-05	0.0	0.0	1.05	-3.65e-03	-0.02	1.69e-03	1.26	3.94
		3.34	-1.25	9.57e-05	0.0	165.0	1.05	-3.65e-03	-0.02	1.69e-03	-1.25	3.34
226	13	-9743.61	979.52	0.09	0.0	0.0	-1.73	-14.51	-11.89	1.85	979.52	-9743.61
		-1.214e+04	-981.82	0.18	0.0	165.0	-1.73	-14.51	-11.89	1.85	-981.82	-1.214e+04
227	1	1290.13	483.61	0.03	-16.62	0.0	0.75	-13.32	3.62	0.08	-404.60	1290.13
		-2279.33	-404.60	-0.06	3.53	165.0	0.75	-29.94	7.15	0.08	483.61	-2279.33
227	2	4804.19	1184.56	0.10	0.0	0.0	0.38	-69.92	14.51	0.25	-1209.45	4804.19
		-6732.61	-1209.45	-0.15	0.0	165.0	0.38	-69.92	14.51	0.25	1184.56	-6732.61
227	3	9398.02	2317.24	0.20	0.0	0.0	0.75	-136.78	28.38	0.49	-2365.95	9398.02
		-1.317e+04	-2365.95	-0.28	0.0	165.0	0.75	-136.78	28.38	0.49	2317.24	-1.317e+04
227	4	99.77	530.95	-0.03	0.0	0.0	4.14	-0.33	-7.06	-1.72	530.95	99.77
		64.20	-633.68	-0.13	0.0	165.0	4.14	-0.33	-7.06	-1.72	-633.68	64.20
227	5	99.77	530.95	-0.03	0.0	0.0	4.14	-0.33	-7.06	-1.72	530.95	99.77
		64.20	-633.68	-0.13	0.0	165.0	4.14	-0.33	-7.06	-1.72	-633.68	64.20
227	6	206.02	819.72	0.04	0.0	0.0	-0.56	1.39	9.55	2.58	-765.71	-289.00
		-289.00	-765.71	0.08	0.0	165.0	-0.56	1.39	9.55	2.58	819.72	206.02
227	7	144.57	1129.31	-5.15e-03	0.0	0.0	-0.85	2.35	13.58	-2.50	-1117.18	-376.97
		-376.97	-1117.18	-0.16	0.0	165.0	-0.85	2.35	13.58	-2.50	1129.31	144.57
227	8	31.78	169.11	-8.19e-03	0.0	0.0	1.32	-0.10	-2.25	-0.55	169.11	31.78
		20.56	-201.90	-0.04	0.0	165.0	1.32	-0.10	-2.25	-0.55	-201.90	20.56
227	9	31.78	169.11	-8.19e-03	0.0	0.0	1.32	-0.10	-2.25	-0.55	169.11	31.78
		20.56	-201.90	-0.04	0.0	165.0	1.32	-0.10	-2.25	-0.55	-201.90	20.56
227	10	75.41	293.34	0.01	0.0	0.0	-0.18	0.48	3.45	0.82	-279.58	-106.02
		-106.02	-279.58	0.02	0.0	165.0	-0.18	0.48	3.45	0.82	293.34	75.41
227	11	52.26	403.60	-5.36e-04	0.0	0.0	-0.27	0.81	4.87	-0.80	-400.83	-132.54
		-132.54	-400.83	-0.05	0.0	165.0	-0.27	0.81	4.87	-0.80	403.60	52.26
227	12	3.35	1.10	1.36e-04	0.0	0.0	0.97	-0.02	-0.01	9.05e-05	1.10	3.35
		0.72	-1.12	8.38e-05	0.0	165.0	0.97	-0.02	-0.01	9.05e-05	-1.12	0.72
227	13	1.652e+04	807.97	-0.23	0.0	0.0	-1.90	173.70	-11.27	0.65	807.97	-1.214e+04
		-1.214e+04	-1051.63	0.15	0.0	165.0	-1.90	173.70	-11.27	0.65	-1051.63	1.652e+04
228	1	-2279.39	420.11	8.31e-04	-3.32	0.0	0.41	-37.32	9.89	0.05	82.04	-2279.39
		-3565.94	82.04	-2.84e-03	0.71	33.0	0.41	-40.65	10.60	0.05	420.11	-3565.94
228	2	-6732.53	1003.56	2.95e-03	0.0	0.0	-0.01	-105.83	24.08	0.30	208.94	-6732.53
		-1.023e+04	208.94	-6.85e-03	0.0	33.0	-0.01	-105.83	24.08	0.30	1003.56	-1.023e+04
228	3	-1.317e+04	1963.18	5.77e-03	0.0	0.0	-0.02	-207.03	47.10	0.58	408.72	-1.317e+04
		-2.000e+04	408.72	-0.01	0.0	33.0	-0.02	-207.03	47.10	0.58	1963.18	-2.000e+04
228	4	64.05	164.01	-3.97e-03	0.0	0.0	7.20	-0.50	-36.74	-1.56	164.01	64.05
		56.18	-1056.01	-0.03	0.0	33.0	7.20	-0.50	-36.74	-1.56	-1056.01	56.18
228	5	64.05	164.01	-3.97e-03	0.0	0.0	7.20	-0.50	-36.74	-1.56	164.01	64.05
		56.18	-1056.01	-0.03	0.0	33.0	7.20	-0.50	-36.74	-1.56	-1056.01	56.18
228	6	213.27	688.00	3.68e-03	0.0	0.0	-0.92	2.24	18.03	3.38	177.13	206.00
		206.00	177.13	0.01	0.0	33.0	-0.92	2.24	18.03	3.38	688.00	213.27
228	7	200.89	993.40	-4.89e-03	0.0	0.0	-1.15	3.45	26.15	2.41	222.11	144.63
		144.63	222.11	-0.02	0.0	33.0	-1.15	3.45	26.15	2.41	993.40	200.89
228	8	20.52	52.16	-1.26e-03	0.0	0.0	2.29	-0.16	-11.69	-0.50	52.16	20.52
		18.04	-336.00	-9.85e-03	0.0	33.0	2.29	-0.16	-11.69	-0.50	-336.00	18.04
228	9	20.52	52.16	-1.26e-03	0.0	0.0	2.29	-0.16	-11.69	-0.50	52.16	20.52
		18.04	-336.00	-9.85e-03	0.0	33.0	2.29	-0.16	-11.69	-0.50	-336.00	18.04
228	10	75.86	244.63	1.11e-03	0.0	0.0	-0.29	0.79	6.31	1.10	62.34	75.40
		75.40	62.34	4.21e-03	0.0	33.0	-0.29	0.79	6.31	1.10	244.63	75.86
228	11	69.80	345.53	-1.57e-03	0.0	0.0	-0.37	1.18	8.87	0.82	80.48	52.28
		52.28	80.48	-7.17e-03	0.0	33.0	-0.37	1.18	8.87	0.82	345.53	69.80
228	12	0.70	1.26	3.42e-05	0.0	0.0	0.88	-0.03	-0.09	-7.81e-04	1.26	0.70

		-0.19	-1.62	2.27e-06	0.0	33.0	0.88	-0.03	-0.09	-7.81e-04	-1.62	-0.19
228	13	2.519e+04	-242.94	-4.71e-03	0.0	0.0	-0.79	262.73	-14.22	2.37	-242.94	1.652e+04
		1.652e+04	-712.24	5.47e-03	0.0	33.0	-0.79	262.73	-14.22	2.37	-712.24	2.519e+04
229	1	-2256.49	438.98	-4.46e-03	-3.22	0.0	0.36	42.53	-10.99	0.04	438.98	-3565.91
		-3565.91	98.23	2.81e-03	0.69	32.0	0.36	39.31	-10.31	0.04	98.23	-2256.49
229	2	-6673.41	1054.27	-0.01	0.0	0.0	-0.13	110.96	-25.17	-0.05	1054.27	-1.022e+04
		-1.022e+04	248.83	6.84e-03	0.0	32.0	-0.13	110.96	-25.17	-0.05	248.83	-6673.41
229	3	-1.305e+04	2062.39	-0.02	0.0	0.0	-0.25	217.06	-49.24	-0.11	2062.39	-2.000e+04
		-2.000e+04	486.77	0.01	0.0	32.0	-0.25	217.06	-49.24	-0.11	486.77	-1.305e+04
229	4	-55.10	1144.52	-2.09e-03	0.0	0.0	-11.98	-0.41	-39.53	-1.84	1144.52	-55.10
		-60.43	-138.99	-0.03	0.0	32.0	-11.98	-0.41	-39.53	-1.84	-138.99	-60.43
229	5	-55.10	1144.52	-2.09e-03	0.0	0.0	-11.98	-0.41	-39.53	-1.84	1144.52	-55.10
		-60.43	-138.99	-0.03	0.0	32.0	-11.98	-0.41	-39.53	-1.84	-138.99	-60.43
229	6	213.16	1017.11	6.33e-03	0.0	0.0	-1.57	-2.18	-26.81	2.46	1017.11	213.16
		192.40	196.22	0.02	0.0	32.0	-1.57	-2.18	-26.81	2.46	196.22	192.40
229	7	201.12	693.84	-2.34e-03	0.0	0.0	-1.41	-2.68	-17.24	-3.13	693.84	201.12
		146.15	195.39	-0.02	0.0	32.0	-1.41	-2.68	-17.24	-3.13	195.39	146.15
229	8	-17.70	364.02	-6.64e-04	0.0	0.0	-3.81	-0.13	-12.57	-0.58	364.02	-17.70
		-19.41	-44.20	-9.39e-03	0.0	32.0	-3.81	-0.13	-12.57	-0.58	-44.20	-19.41
229	9	-17.70	364.02	-6.64e-04	0.0	0.0	-3.81	-0.13	-12.57	-0.58	364.02	-17.70
		-19.41	-44.20	-9.39e-03	0.0	32.0	-3.81	-0.13	-12.57	-0.58	-44.20	-19.41
229	10	75.85	336.32	2.06e-03	0.0	0.0	-0.50	-0.73	-8.80	0.80	336.32	75.85
		70.57	67.37	5.37e-03	0.0	32.0	-0.50	-0.73	-8.80	0.80	67.37	70.57
229	11	69.87	245.67	-6.30e-04	0.0	0.0	-0.45	-0.89	-6.08	-1.01	245.67	69.87
		52.00	67.16	-5.40e-03	0.0	32.0	-0.45	-0.89	-6.08	-1.01	67.16	52.00
229	12	-0.72	1.49	3.23e-05	0.0	0.0	0.93	-0.02	-0.08	-1.25e-03	1.49	-0.72
		-1.49	-1.23	1.17e-06	0.0	32.0	0.93	-0.02	-0.08	-1.25e-03	-1.23	-1.49
229	13	2.519e+04	283.59	0.03	0.0	0.0	-0.42	-275.01	-6.66	-0.32	283.59	2.519e+04
		1.639e+04	70.54	2.16e-03	0.0	32.0	-0.42	-275.01	-6.66	-0.32	70.54	1.639e+04
230	1	1635.38	516.80	-0.05	-16.62	0.0	0.69	31.90	-7.50	6.57e-03	516.80	-2256.44
		-2256.44	-428.56	0.06	3.53	165.0	0.69	15.28	-3.96	6.57e-03	-428.56	1635.38
230	2	5696.09	1269.88	-0.15	0.0	0.0	0.25	74.97	-15.40	-0.02	1269.88	-6673.37
		-6673.37	-1271.36	0.16	0.0	165.0	0.25	74.97	-15.40	-0.02	-1271.36	5696.09
230	3	1.114e+04	2484.15	-0.28	0.0	0.0	0.49	146.65	-30.13	-0.04	2484.15	-1.305e+04
		-1.305e+04	-2487.04	0.31	0.0	165.0	0.49	146.65	-30.13	-0.04	-2487.04	1.114e+04
230	4	-60.47	751.19	-0.03	0.0	0.0	-8.94	-0.16	-8.33	-1.70	751.19	-60.47
		-75.59	-623.25	-0.12	0.0	165.0	-8.94	-0.16	-8.33	-1.70	-623.25	-75.59
230	5	-60.47	751.19	-0.03	0.0	0.0	-8.94	-0.16	-8.33	-1.70	751.19	-60.47
		-75.59	-623.25	-0.12	0.0	165.0	-8.94	-0.16	-8.33	-1.70	-623.25	-75.59
230	6	192.37	1143.08	0.01	0.0	0.0	-1.23	-1.42	-13.30	3.01	1143.08	192.37
		-232.63	-1056.06	0.19	0.0	165.0	-1.23	-1.42	-13.30	3.01	-1056.06	-232.63
230	7	146.11	854.79	-0.04	0.0	0.0	-1.03	-1.77	-10.33	-2.38	854.79	146.11
		-248.16	-852.89	-0.04	0.0	165.0	-1.03	-1.77	-10.33	-2.38	-852.89	-248.16
230	8	-19.42	238.93	-8.50e-03	0.0	0.0	-2.84	-0.05	-2.65	-0.54	238.93	-19.42
		-24.26	-198.24	-0.04	0.0	165.0	-2.84	-0.05	-2.65	-0.54	-198.24	-24.26
230	9	-19.42	238.93	-8.50e-03	0.0	0.0	-2.84	-0.05	-2.65	-0.54	238.93	-19.42
		-24.26	-198.24	-0.04	0.0	165.0	-2.84	-0.05	-2.65	-0.54	-198.24	-24.26
230	10	70.57	381.73	2.62e-03	0.0	0.0	-0.39	-0.47	-4.47	0.97	381.73	70.57
		-81.54	-356.78	0.06	0.0	165.0	-0.39	-0.47	-4.47	0.97	-356.78	-81.54
230	11	51.98	300.46	-0.01	0.0	0.0	-0.33	-0.59	-3.64	-0.77	300.46	51.98
		-81.38	-301.25	-0.01	0.0	165.0	-0.33	-0.59	-3.64	-0.77	-301.25	-81.38
230	12	-1.52	0.86	1.16e-04	0.0	0.0	0.84	-0.01	-9.75e-03	2.13e-04	0.86	-1.52
		-3.72	-0.75	6.64e-05	0.0	165.0	0.84	-0.01	-9.75e-03	2.13e-04	-0.75	-3.72
230	13	1.639e+04	385.00	0.38	0.0	0.0	-1.53	-185.79	-4.15	1.54	385.00	1.639e+04
		-1.427e+04	-300.10	0.05	0.0	165.0	-1.53	-185.79	-4.15	1.54	-300.10	-1.427e+04
231	1	1931.40	-46.26	-9.33e-03	-16.62	0.0	0.63	7.73	-1.76	-5.10e-03	-46.48	1635.48
		1540.72	-119.22	6.11e-03	3.53	165.0	0.63	-8.88	1.77	-5.10e-03	-46.26	1540.72
231	2	5696.12	-250.55	-0.03	0.0	0.0	0.15	-1.44	0.03	-0.02	-255.98	5696.12
		5457.88	-255.98	0.01	0.0	165.0	0.15	-1.44	0.03	-0.02	-250.55	5457.88
231	3	1.114e+04	-490.14	-0.05	0.0	0.0	0.29	-2.82	0.06	-0.03	-500.75	1.114e+04
		1.068e+04	-500.75	0.03	0.0	165.0	0.29	-2.82	0.06	-0.03	-490.14	1.068e+04
231	4	50.89	767.55	-0.03	0.0	0.0	-1.26	0.22	-9.29	-1.78	767.55	-75.56
		-75.56	-766.16	-0.13	0.0	165.0	-1.26	0.22	-9.29	-1.78	-766.16	50.89
231	5	50.89	767.55	-0.03	0.0	0.0	-1.26	0.22	-9.29	-1.78	767.55	-75.56
		-75.56	-766.16	-0.13	0.0	165.0	-1.26	0.22	-9.29	-1.78	-766.16	50.89
231	6	-196.66	705.26	0.03	0.0	0.0	-0.40	1.09	-8.44	2.78	705.26	-232.81
		-232.81	-728.55	0.14	0.0	165.0	-0.40	1.09	-8.44	2.78	-728.55	-196.66
231	7	-248.27	-423.16	-0.03	0.0	0.0	-0.37	0.84	5.66	-2.52	-568.46	-248.27
		-286.27	-568.46	-0.12	0.0	165.0	-0.37	0.84	5.66	-2.52	-423.16	-286.27
231	8	16.35	244.09	-0.01	0.0	0.0	-0.40	0.07	-2.96	-0.57	244.09	-24.24
		-24.24	-243.65	-0.04	0.0	165.0	-0.40	0.07	-2.96	-0.57	-243.65	16.35
231	9	16.35	244.09	-0.01	0.0	0.0	-0.40	0.07	-2.96	-0.57	244.09	-24.24
		-24.24	-243.65	-0.04	0.0	165.0	-0.40	0.07	-2.96	-0.57	-243.65	16.35
231	10	-65.33	246.67	9.57e-03	0.0	0.0	-0.13	0.41	-2.87	0.90	246.67	-81.59
		-81.59	-241.82	0.04	0.0	165.0	-0.13	0.41	-2.87	0.90	-241.82	-65.33
231	11	-81.41	-142.08	-7.98e-03	0.0	0.0	-0.12	0.31	1.91	-0.81	-193.94	-81.41

		-97.48	-193.94	-0.04	0.0	165.0	-0.12	0.31	1.91	-0.81	-142.08	-97.48
231	12	-1.48	0.66	1.11e-05	0.0	0.0	0.81	0.01	-7.85e-03	1.16e-03	0.66	-3.71
		-3.71	-0.63	7.07e-05	0.0	165.0	0.81	0.01	-7.85e-03	1.16e-03	-0.63	-1.48
231	13	-1.368e+04	354.72	0.07	0.0	0.0	-1.42	3.57	-4.31	0.68	354.72	-1.427e+04
		-1.427e+04	-357.07	0.06	0.0	165.0	-1.42	3.57	-4.31	0.68	-357.07	-1.368e+04
232	1	1540.55	516.39	0.05	-16.62	0.0	0.69	-16.37	3.97	3.65e-03	-429.73	1540.55
		-2531.56	-429.73	-0.06	3.53	165.0	0.69	-32.99	7.50	3.65e-03	516.39	-2531.56
232	2	5457.67	1274.27	0.14	0.0	0.0	0.24	-77.70	15.47	0.04	-1278.22	5457.67
		-7363.20	-1278.22	-0.16	0.0	165.0	0.24	-77.70	15.47	0.04	1274.27	-7363.20
232	3	1.068e+04	2492.75	0.27	0.0	0.0	0.47	-152.00	30.26	0.09	-2500.46	1.068e+04
		-1.440e+04	-2500.46	-0.31	0.0	165.0	0.47	-152.00	30.26	0.09	2492.75	-1.440e+04
232	4	50.80	627.30	-0.03	0.0	0.0	6.42	-0.25	-8.38	-1.85	627.30	50.80
		12.26	-755.77	-0.13	0.0	165.0	6.42	-0.25	-8.38	-1.85	-755.77	12.26
232	5	50.80	627.30	-0.03	0.0	0.0	6.42	-0.25	-8.38	-1.85	627.30	50.80
		12.26	-755.77	-0.13	0.0	165.0	6.42	-0.25	-8.38	-1.85	-755.77	12.26
232	6	303.17	1013.23	0.04	0.0	0.0	-0.78	2.04	11.71	2.52	-922.80	-196.75
		-196.75	-922.80	0.07	0.0	165.0	-0.78	2.04	11.71	2.52	1013.23	303.17
232	7	321.69	1138.15	-7.49e-03	0.0	0.0	-1.03	1.92	13.39	-2.82	-1073.43	-286.26
		-286.26	-1073.43	-0.19	0.0	165.0	-1.03	1.92	13.39	-2.82	1138.15	321.69
232	8	16.32	199.47	-9.02e-03	0.0	0.0	2.04	-0.08	-2.67	-0.59	199.47	16.32
		3.92	-240.33	-0.04	0.0	165.0	2.04	-0.08	-2.67	-0.59	-240.33	3.92
232	9	16.32	199.47	-9.02e-03	0.0	0.0	2.04	-0.08	-2.67	-0.59	199.47	16.32
		3.92	-240.33	-0.04	0.0	165.0	2.04	-0.08	-2.67	-0.59	-240.33	3.92
232	10	111.69	376.15	0.01	0.0	0.0	-0.25	0.72	4.35	0.81	-343.05	-65.36
		-65.36	-343.05	0.02	0.0	165.0	-0.25	0.72	4.35	0.81	376.15	111.69
232	11	119.01	396.62	-9.32e-04	0.0	0.0	-0.33	0.65	4.67	-0.90	-374.03	-97.48
		-97.48	-374.03	-0.06	0.0	165.0	-0.33	0.65	4.67	-0.90	396.62	119.01
232	12	2.70	0.45	-5.20e-05	0.0	0.0	0.78	0.03	-5.67e-03	8.27e-04	0.45	-1.47
		-1.47	-0.48	5.62e-05	0.0	165.0	0.78	0.03	-5.67e-03	8.27e-04	-0.48	2.70
232	13	1.809e+04	289.69	-0.34	0.0	0.0	-1.56	192.56	-4.06	-0.29	289.69	-1.368e+04
		-1.368e+04	-380.76	0.05	0.0	165.0	-1.56	192.56	-4.06	-0.29	-380.76	1.809e+04
233	1	-2531.63	441.59	2.81e-03	-3.32	0.0	0.35	-40.29	10.30	9.78e-03	90.16	-2531.63
		-3916.14	90.16	-3.00e-03	0.71	33.0	0.35	-43.62	11.00	9.78e-03	441.59	-3916.14
233	2	-7363.24	1062.26	8.03e-03	0.0	0.0	-0.16	-113.42	25.18	0.18	231.27	-7363.24
		-1.111e+04	231.27	-7.30e-03	0.0	33.0	-0.16	-113.42	25.18	0.18	1062.26	-1.111e+04
233	3	-1.440e+04	2078.01	0.02	0.0	0.0	-0.31	-221.87	49.26	0.35	452.40	-1.440e+04
		-2.173e+04	452.40	-0.01	0.0	33.0	-0.31	-221.87	49.26	0.35	2078.01	-2.173e+04
233	4	11.90	156.88	-3.45e-03	0.0	0.0	9.48	-0.29	-38.03	-1.85	156.88	11.90
		3.89	-1124.87	-0.03	0.0	33.0	9.48	-0.29	-38.03	-1.85	-1124.87	3.89
233	5	11.90	156.88	-3.45e-03	0.0	0.0	9.48	-0.29	-38.03	-1.85	156.88	11.90
		3.89	-1124.87	-0.03	0.0	33.0	9.48	-0.29	-38.03	-1.85	-1124.87	3.89
233	6	368.67	777.52	4.75e-03	0.0	0.0	-1.15	2.65	18.16	3.45	233.67	303.29
		303.29	233.67	0.02	0.0	33.0	-1.15	2.65	18.16	3.45	777.52	368.67
233	7	370.99	1007.78	-6.46e-03	0.0	0.0	-1.36	2.66	26.17	-2.26	206.56	321.83
		321.83	206.56	-0.02	0.0	33.0	-1.36	2.66	26.17	-2.26	1007.78	370.99
233	8	3.80	49.90	-1.10e-03	0.0	0.0	3.02	-0.09	-12.09	-0.59	49.90	3.80
		1.24	-357.72	-0.01	0.0	33.0	3.02	-0.09	-12.09	-0.59	-357.72	1.24
233	9	3.80	49.90	-1.10e-03	0.0	0.0	3.02	-0.09	-12.09	-0.59	49.90	3.80
		1.24	-357.72	-0.01	0.0	33.0	3.02	-0.09	-12.09	-0.59	-357.72	1.24
233	10	134.96	284.80	1.48e-03	0.0	0.0	-0.37	0.91	6.50	1.13	86.47	111.74
		111.74	86.47	5.11e-03	0.0	33.0	-0.37	0.91	6.50	1.13	284.80	134.96
233	11	135.89	340.22	-2.12e-03	0.0	0.0	-0.43	0.89	8.63	-0.73	76.61	119.06
		119.06	76.61	-6.67e-03	0.0	33.0	-0.43	0.89	8.63	-0.73	340.22	135.89
233	12	3.50	-0.09	-2.50e-06	0.0	0.0	0.78	0.02	-5.13e-03	2.50e-04	-0.09	2.71
		2.71	-0.26	1.91e-06	0.0	33.0	0.78	0.02	-5.13e-03	2.50e-04	-0.26	3.50
233	13	2.737e+04	-101.51	-0.02	0.0	0.0	-0.41	281.09	-4.32	1.33	-101.51	1.810e+04
		1.810e+04	-244.12	1.72e-03	0.0	33.0	-0.41	281.09	-4.32	1.33	-244.12	2.737e+04
234	1	-2570.29	441.11	-2.65e-03	-3.22	0.0	0.36	43.67	-11.01	-9.84e-03	441.11	-3916.15
		-3916.15	99.75	2.82e-03	0.69	32.0	0.36	40.45	-10.32	-9.84e-03	99.75	-2570.29
234	2	-7463.82	1062.59	-7.59e-03	0.0	0.0	-0.15	113.82	-25.27	-0.19	1062.59	-1.111e+04
		-1.111e+04	253.90	6.87e-03	0.0	32.0	-0.15	113.82	-25.27	-0.19	253.90	-7463.82
234	3	-1.460e+04	2078.65	-0.01	0.0	0.0	-0.29	222.65	-49.44	-0.36	2078.65	-2.173e+04
		-2.173e+04	496.69	0.01	0.0	32.0	-0.29	222.65	-49.44	-0.36	496.69	-1.460e+04
234	4	-3.93	1134.08	-4.07e-03	0.0	0.0	-9.60	-0.29	-39.19	-1.85	1134.08	-3.93
		-11.69	-149.76	-0.04	0.0	32.0	-9.60	-0.29	-39.19	-1.85	-149.76	-11.69
234	5	-3.93	1134.08	-4.07e-03	0.0	0.0	-9.60	-0.29	-39.19	-1.85	1134.08	-3.93
		-11.69	-149.76	-0.04	0.0	32.0	-9.60	-0.29	-39.19	-1.85	-149.76	-11.69
234	6	368.53	1009.38	6.17e-03	0.0	0.0	-1.36	-2.70	-26.50	2.24	1009.38	368.53
		318.75	222.09	0.02	0.0	32.0	-1.36	-2.70	-26.50	2.24	222.09	318.75
234	7	371.16	777.78	-4.75e-03	0.0	0.0	-1.17	-2.74	-18.38	-3.49	777.78	371.16
		304.43	247.12	-0.02	0.0	32.0	-1.17	-2.74	-18.38	-3.49	247.12	304.43
234	8	-1.25	360.65	-1.29e-03	0.0	0.0	-3.05	-0.09	-12.46	-0.59	360.65	-1.25
		-3.74	-47.63	-0.01	0.0	32.0	-3.05	-0.09	-12.46	-0.59	-47.63	-3.74
234	9	-1.25	360.65	-1.29e-03	0.0	0.0	-3.05	-0.09	-12.46	-0.59	360.65	-1.25
		-3.74	-47.63	-0.01	0.0	32.0	-3.05	-0.09	-12.46	-0.59	-47.63	-3.74
234	10	134.92	340.63	2.02e-03	0.0	0.0	-0.43	-0.90	-8.73	0.73	340.63	134.92

		117.83	82.09	6.42e-03	0.0	32.0	-0.43	-0.90	-8.73	0.73	82.09	117.83
234	11	135.93	284.71	-1.49e-03	0.0	0.0	-0.37	-0.95	-6.56	-1.14	284.71	135.93
		112.14	91.51	-4.97e-03	0.0	32.0	-0.37	-0.95	-6.56	-1.14	91.51	112.14
234	12	3.50	-0.09	2.35e-06	0.0	0.0	0.78	-0.02	5.82e-03	-2.49e-04	-0.28	3.50
		2.73	-0.28	-1.82e-06	0.0	32.0	0.78	-0.02	5.82e-03	-2.49e-04	-0.09	2.73
234	13	2.737e+04	-104.85	0.02	0.0	0.0	-0.45	-282.09	4.38	-1.38	-244.95	2.737e+04
		1.834e+04	-244.95	-1.82e-03	0.0	32.0	-0.45	-282.09	4.38	-1.38	-104.85	1.834e+04
235	1	1527.16	520.38	-0.05	-16.62	0.0	0.69	33.14	-7.53	-3.58e-03	520.38	-2570.22
		-2570.22	-431.21	0.06	3.53	165.0	0.69	16.52	-4.00	-3.58e-03	-431.21	1527.16
235	2	5423.10	1283.34	-0.14	0.0	0.0	0.25	78.10	-15.54	-0.04	1283.34	-7463.79
		-7463.79	-1281.40	0.16	0.0	165.0	0.25	78.10	-15.54	-0.04	-1281.40	5423.10
235	3	1.061e+04	2510.48	-0.27	0.0	0.0	0.49	152.78	-30.41	-0.09	2510.48	-1.460e+04
		-1.460e+04	-2506.69	0.31	0.0	165.0	0.49	152.78	-30.41	-0.09	-2506.69	1.061e+04
235	4	-12.05	757.37	-0.03	0.0	0.0	-6.56	-0.25	-8.39	-1.85	757.37	-12.05
		-50.77	-626.73	-0.13	0.0	165.0	-6.56	-0.25	-8.39	-1.85	-626.73	-50.77
235	5	-12.05	757.37	-0.03	0.0	0.0	-6.56	-0.25	-8.39	-1.85	757.37	-12.05
		-50.77	-626.73	-0.13	0.0	165.0	-6.56	-0.25	-8.39	-1.85	-626.73	-50.77
235	6	318.61	1143.02	7.94e-03	0.0	0.0	-1.05	-1.96	-13.43	2.82	1143.02	318.61
		-282.77	-1073.84	0.19	0.0	165.0	-1.05	-1.96	-13.43	2.82	-1073.84	-282.77
235	7	304.31	1014.08	-0.04	0.0	0.0	-0.80	-2.12	-11.70	-2.53	1014.08	304.31
		-198.42	-920.24	-0.07	0.0	165.0	-0.80	-2.12	-11.70	-2.53	-920.24	-198.42
235	8	-3.85	240.84	-9.01e-03	0.0	0.0	-2.08	-0.08	-2.67	-0.59	240.84	-3.85
		-16.31	-199.29	-0.04	0.0	165.0	-2.08	-0.08	-2.67	-0.59	-199.29	-16.31
235	9	-3.85	240.84	-9.01e-03	0.0	0.0	-2.08	-0.08	-2.67	-0.59	240.84	-3.85
		-16.31	-199.29	-0.04	0.0	165.0	-2.08	-0.08	-2.67	-0.59	-199.29	-16.31
235	10	117.78	398.22	1.10e-03	0.0	0.0	-0.33	-0.67	-4.68	0.90	398.22	117.78
		-96.06	-374.09	0.06	0.0	165.0	-0.33	-0.67	-4.68	0.90	-374.09	-96.06
235	11	112.09	376.41	-0.01	0.0	0.0	-0.25	-0.76	-4.35	-0.81	376.41	112.09
		-66.12	-342.02	-0.02	0.0	165.0	-0.25	-0.76	-4.35	-0.81	-342.02	-66.12
235	12	2.73	0.45	5.19e-05	0.0	0.0	0.79	-0.03	5.67e-03	-8.22e-04	-0.48	2.73
		-1.45	-0.48	-5.61e-05	0.0	165.0	0.79	-0.03	5.67e-03	-8.22e-04	0.45	-1.45
235	13	1.834e+04	287.50	0.34	0.0	0.0	-1.59	-193.55	4.04	0.29	-378.86	1.834e+04
		-1.359e+04	-378.86	-0.05	0.0	165.0	-1.59	-193.55	4.04	0.29	287.50	-1.359e+04
236	1	1932.36	-43.24	-9.98e-03	-16.62	0.0	0.64	9.04	-1.80	5.12e-03	-43.24	1527.33
		1527.33	-119.22	6.41e-03	3.53	165.0	0.64	-7.58	1.73	5.12e-03	-49.51	1647.60
236	2	5727.43	-243.71	-0.03	0.0	0.0	0.15	1.84	-0.12	0.02	-243.71	5423.31
		5423.31	-262.82	0.02	0.0	165.0	0.15	1.84	-0.12	0.02	-262.82	5727.43
236	3	1.120e+04	-476.75	-0.06	0.0	0.0	0.30	3.61	-0.23	0.03	-476.75	1.061e+04
		1.061e+04	-514.13	0.03	0.0	165.0	0.30	3.61	-0.23	0.03	-514.13	1.120e+04
236	4	75.60	766.24	-0.03	0.0	0.0	1.13	0.22	-9.29	-1.78	766.24	-50.86
		-50.86	-767.44	-0.13	0.0	165.0	1.13	0.22	-9.29	-1.78	-767.44	75.60
236	5	75.60	766.24	-0.03	0.0	0.0	1.13	0.22	-9.29	-1.78	766.24	-50.86
		-50.86	-767.44	-0.13	0.0	165.0	1.13	0.22	-9.29	-1.78	-767.44	75.60
236	6	-249.20	-423.18	0.02	0.0	0.0	-0.37	-0.80	-5.68	2.52	-423.18	-282.80
		-282.80	-571.36	0.12	0.0	165.0	-0.37	-0.80	-5.68	2.52	-571.36	-249.20
236	7	-198.34	705.65	-0.03	0.0	0.0	-0.39	-1.07	8.44	-2.79	-726.96	-198.34
		-240.17	-726.96	-0.14	0.0	165.0	-0.39	-1.07	8.44	-2.79	705.65	-240.17
236	8	24.26	243.68	-0.01	0.0	0.0	0.36	0.07	-2.96	-0.57	243.68	-16.34
		-16.34	-244.05	-0.04	0.0	165.0	0.36	0.07	-2.96	-0.57	-244.05	24.26
236	9	24.26	243.68	-0.01	0.0	0.0	0.36	0.07	-2.96	-0.57	243.68	-16.34
		-16.34	-244.05	-0.04	0.0	165.0	0.36	0.07	-2.96	-0.57	-244.05	24.26
236	10	-81.72	-142.11	7.95e-03	0.0	0.0	-0.12	-0.30	-1.92	0.81	-142.11	-96.06
		-96.06	-195.01	0.04	0.0	165.0	-0.12	-0.30	-1.92	0.81	-195.01	-81.72
236	11	-66.10	247.01	-9.59e-03	0.0	0.0	-0.12	-0.40	2.87	-0.90	-241.44	-66.10
		-84.54	-241.44	-0.04	0.0	165.0	-0.12	-0.40	2.87	-0.90	247.01	-84.54
236	12	-1.46	0.66	1.64e-05	0.0	0.0	0.81	-0.01	7.88e-03	-1.16e-03	-0.64	-1.46
		-3.71	-0.64	-7.07e-05	0.0	165.0	0.81	-0.01	7.88e-03	-1.16e-03	0.66	-3.71
236	13	-1.359e+04	352.73	0.07	0.0	0.0	-1.43	-4.56	4.29	-0.68	-355.30	-1.359e+04
		-1.434e+04	-355.30	-0.06	0.0	165.0	-1.43	-4.56	4.29	-0.68	352.73	-1.434e+04
237	1	1647.50	512.81	0.05	-16.62	0.0	0.69	-15.12	3.93	-6.23e-03	-427.08	1647.50
		-2218.91	-427.08	-0.06	3.53	165.0	0.69	-31.74	7.46	-6.23e-03	512.81	-2218.91
237	2	5727.41	1260.82	0.15	0.0	0.0	0.25	-74.56	15.33	0.02	-1268.15	5727.41
		-6575.71	-1268.15	-0.16	0.0	165.0	0.25	-74.56	15.33	0.02	1260.82	-6575.71
237	3	1.120e+04	2466.44	0.28	0.0	0.0	0.48	-145.86	29.98	0.04	-2480.77	1.120e+04
		-1.286e+04	-2480.77	-0.31	0.0	165.0	0.48	-145.86	29.98	0.04	2466.44	-1.286e+04
237	4	75.63	623.76	-0.03	0.0	0.0	8.81	-0.16	-8.32	-1.70	623.76	75.63
		60.66	-749.52	-0.12	0.0	165.0	8.81	-0.16	-8.32	-1.70	-749.52	60.66
237	5	75.63	623.76	-0.03	0.0	0.0	8.81	-0.16	-8.32	-1.70	623.76	75.63
		60.66	-749.52	-0.12	0.0	165.0	8.81	-0.16	-8.32	-1.70	-749.52	60.66
237	6	147.17	849.55	0.04	0.0	0.0	-1.01	1.78	10.29	2.37	-851.42	-249.10
		-249.10	-851.42	0.04	0.0	165.0	-1.01	1.78	10.29	2.37	849.55	147.17
237	7	192.30	1137.36	-0.01	0.0	0.0	-1.22	1.43	13.26	-3.02	-1054.76	-240.00
		-240.00	-1054.76	-0.19	0.0	165.0	-1.22	1.43	13.26	-3.02	1137.36	192.30
237	8	24.27	198.41	-8.51e-03	0.0	0.0	2.80	-0.05	-2.65	-0.54	198.41	24.27
		19.48	-238.39	-0.04	0.0	165.0	2.80	-0.05	-2.65	-0.54	-238.39	19.48
237	9	24.27	198.41	-8.51e-03	0.0	0.0	2.80	-0.05	-2.65	-0.54	198.41	24.27

		19.48	-238.39	-0.04	0.0	165.0	2.80	-0.05	-2.65	-0.54	-238.39	19.48
237	10	52.48	298.63	0.01	0.0	0.0	-0.32	0.59	3.63	0.77	-300.75	-81.68
		-81.68	-300.75	0.01	0.0	165.0	-0.32	0.59	3.63	0.77	298.63	52.48
237	11	70.60	379.85	-2.96e-03	0.0	0.0	-0.39	0.48	4.45	-0.97	-356.39	-84.49
		-84.49	-356.39	-0.06	0.0	165.0	-0.39	0.48	4.45	-0.97	379.85	70.60
237	12	-1.54	0.85	-1.16e-04	0.0	0.0	0.84	0.01	9.68e-03	-2.24e-04	-0.74	-3.71
		-3.71	-0.74	-6.64e-05	0.0	165.0	0.84	0.01	9.68e-03	-2.24e-04	0.85	-1.54
237	13	1.615e+04	382.22	-0.38	0.0	0.0	-1.53	184.80	4.13	-1.55	-299.00	-1.434e+04
		-1.434e+04	-299.00	-0.05	0.0	165.0	-1.53	184.80	4.13	-1.55	382.22	1.615e+04
238	1	-2218.97	439.48	4.67e-03	-3.32	0.0	0.36	-39.15	10.28	-0.04	88.68	-2218.97
		-3565.88	88.68	-2.99e-03	0.71	33.0	0.36	-42.48	10.98	-0.04	439.48	-3565.88
238	2	-6575.75	1053.98	0.01	0.0	0.0	-0.13	-110.56	25.08	0.05	226.37	-6575.75
		-1.022e+04	226.37	-7.26e-03	0.0	33.0	-0.13	-110.56	25.08	0.05	1053.98	-1.022e+04
238	3	-1.286e+04	2061.81	0.02	0.0	0.0	-0.26	-216.28	49.06	0.10	442.83	-1.286e+04
		-2.000e+04	442.83	-0.01	0.0	33.0	-0.26	-216.28	49.06	0.10	2061.81	-2.000e+04
238	4	60.62	147.52	-2.20e-03	0.0	0.0	11.86	-0.41	-38.37	-1.83	147.52	60.62
		55.10	-1135.32	-0.03	0.0	33.0	11.86	-0.41	-38.37	-1.83	-1135.32	55.10
238	5	60.62	147.52	-2.20e-03	0.0	0.0	11.86	-0.41	-38.37	-1.83	147.52	60.62
		55.10	-1135.32	-0.03	0.0	33.0	11.86	-0.41	-38.37	-1.83	-1135.32	55.10
238	6	205.40	693.89	2.41e-03	0.0	0.0	-1.39	2.71	17.09	3.09	181.43	147.21
		147.21	181.43	0.02	0.0	33.0	-1.39	2.71	17.09	3.09	693.89	205.40
238	7	212.05	1014.60	-6.47e-03	0.0	0.0	-1.56	2.18	26.45	-2.47	180.07	192.32
		192.32	180.07	-0.02	0.0	33.0	-1.56	2.18	26.45	-2.47	1014.60	212.05
238	8	19.47	46.91	-6.98e-04	0.0	0.0	3.77	-0.13	-12.20	-0.58	46.91	19.47
		17.70	-361.10	-9.66e-03	0.0	33.0	3.77	-0.13	-12.20	-0.58	-361.10	17.70
238	9	19.47	46.91	-6.98e-04	0.0	0.0	3.77	-0.13	-12.20	-0.58	46.91	19.47
		17.70	-361.10	-9.66e-03	0.0	33.0	3.77	-0.13	-12.20	-0.58	-361.10	17.70
238	10	71.62	245.75	6.53e-04	0.0	0.0	-0.44	0.90	6.03	1.00	62.24	52.49
		52.49	62.24	5.51e-03	0.0	33.0	-0.44	0.90	6.03	1.00	245.75	71.62
238	11	75.41	335.64	-2.10e-03	0.0	0.0	-0.50	0.74	8.69	-0.80	61.94	70.60
		70.60	61.94	-5.60e-03	0.0	33.0	-0.50	0.74	8.69	-0.80	335.64	75.41
238	12	-0.71	1.54	-3.33e-05	0.0	0.0	0.93	0.02	0.08	1.23e-03	-1.26	-1.52
		-1.52	-1.26	-1.80e-06	0.0	33.0	0.93	0.02	0.08	1.23e-03	1.54	-0.71
238	13	2.519e+04	283.71	-0.04	0.0	0.0	-0.41	274.01	6.65	0.26	64.17	1.615e+04
		1.615e+04	64.17	-2.46e-03	0.0	33.0	-0.41	274.01	6.65	0.26	283.71	2.519e+04
239	1	-2315.04	419.62	4.12e-04	-3.22	0.0	0.43	40.70	-10.60	-0.05	419.62	-3565.92
		-3565.92	91.23	2.66e-03	0.69	32.0	0.43	37.48	-9.92	-0.05	91.23	-2315.04
239	2	-6825.46	1003.88	-1.84e-03	0.0	0.0	7.99e-03	106.24	-24.17	-0.30	1003.88	-1.023e+04
		-1.023e+04	230.46	6.44e-03	0.0	32.0	7.99e-03	106.24	-24.17	-0.30	230.46	-6825.46
239	3	-1.335e+04	1963.81	-3.60e-03	0.0	0.0	0.02	207.82	-47.28	-0.59	1963.81	-2.000e+04
		-2.000e+04	450.83	0.01	0.0	32.0	0.02	207.82	-47.28	-0.59	450.83	-1.335e+04
239	4	-56.18	1065.36	-3.86e-03	0.0	0.0	-7.32	-0.50	-37.90	-1.55	1065.36	-56.18
		-63.78	-155.90	-0.03	0.0	32.0	-7.32	-0.50	-37.90	-1.55	-155.90	-63.78
239	5	-56.18	1065.36	-3.86e-03	0.0	0.0	-7.32	-0.50	-37.90	-1.55	1065.36	-56.18
		-63.78	-155.90	-0.03	0.0	32.0	-7.32	-0.50	-37.90	-1.55	-155.90	-63.78
239	6	205.15	992.80	4.71e-03	0.0	0.0	-1.16	-3.52	-26.42	-2.42	992.80	205.15
		146.01	236.09	0.02	0.0	32.0	-1.16	-3.52	-26.42	-2.42	236.09	146.01
239	7	212.15	689.89	-3.54e-03	0.0	0.0	-0.93	-2.15	-18.34	-3.41	689.89	212.15
		205.53	186.98	-0.01	0.0	32.0	-0.93	-2.15	-18.34	-3.41	186.98	205.53
239	8	-18.04	338.97	-1.23e-03	0.0	0.0	-2.33	-0.16	-12.06	-0.49	338.97	-18.04
		-20.43	-49.59	-9.56e-03	0.0	32.0	-2.33	-0.16	-12.06	-0.49	-49.59	-20.43
239	9	-18.04	338.97	-1.23e-03	0.0	0.0	-2.33	-0.16	-12.06	-0.49	338.97	-18.04
		-20.43	-49.59	-9.56e-03	0.0	32.0	-2.33	-0.16	-12.06	-0.49	-49.59	-20.43
239	10	71.55	345.17	1.52e-03	0.0	0.0	-0.37	-1.21	-8.95	-0.82	345.17	71.55
		52.73	85.77	6.90e-03	0.0	32.0	-0.37	-1.21	-8.95	-0.82	85.77	52.73
239	11	75.43	245.19	-1.06e-03	0.0	0.0	-0.30	-0.75	-6.41	-1.11	245.19	75.43
		75.18	66.02	-4.09e-03	0.0	32.0	-0.30	-0.75	-6.41	-1.11	66.02	75.18
239	12	0.67	1.24	-3.32e-05	0.0	0.0	0.88	0.03	0.09	7.78e-04	-1.59	-0.19
		-0.19	-1.59	-1.60e-06	0.0	32.0	0.88	0.03	0.09	7.78e-04	1.24	0.67
239	13	2.519e+04	-255.47	-3.83e-03	0.0	0.0	-0.84	-263.73	14.38	-2.43	-715.47	2.519e+04
		1.675e+04	-715.47	-5.39e-03	0.0	32.0	-0.84	-263.73	14.38	-2.43	-255.47	1.675e+04
240	1	1279.75	487.60	-0.03	-16.62	0.0	0.76	30.09	-7.18	-0.08	487.60	-2314.99
		-2314.99	-406.15	0.06	3.53	165.0	0.76	13.48	-3.65	-0.08	-406.15	1279.75
240	2	4777.30	1193.61	-0.10	0.0	0.0	0.40	70.32	-14.58	-0.25	1193.61	-6825.54
		-6825.54	-1212.84	0.15	0.0	165.0	0.40	70.32	-14.58	-0.25	-1212.84	4777.30
240	3	9345.41	2334.96	-0.20	0.0	0.0	0.79	137.56	-28.53	-0.49	2334.96	-1.335e+04
		-1.335e+04	-2372.57	0.29	0.0	165.0	0.79	137.56	-28.53	-0.49	-2372.57	9345.41
240	4	-63.93	635.21	-0.03	0.0	0.0	-4.28	-0.33	-7.06	-1.72	635.21	-63.93
		-99.70	-530.61	-0.13	0.0	165.0	-4.28	-0.33	-7.06	-1.72	-530.61	-99.70
240	5	-63.93	635.21	-0.03	0.0	0.0	-4.28	-0.33	-7.06	-1.72	635.21	-63.93
		-99.70	-530.61	-0.13	0.0	165.0	-4.28	-0.33	-7.06	-1.72	-530.61	-99.70
240	6	145.93	1132.51	5.44e-03	0.0	0.0	-0.86	-2.41	-13.60	2.49	1132.51	145.93
		-379.69	-1116.41	0.16	0.0	165.0	-0.86	-2.41	-13.60	2.49	-1116.41	-379.69
240	7	205.56	822.27	-0.04	0.0	0.0	-0.58	-1.32	-9.58	-2.58	822.27	205.56
		-277.80	-766.90	-0.08	0.0	165.0	-0.58	-1.32	-9.58	-2.58	-766.90	-277.80
240	8	-20.48	202.39	-8.18e-03	0.0	0.0	-1.36	-0.11	-2.25	-0.55	202.39	-20.48

		-31.75	-169.00	-0.04	0.0	165.0	-1.36	-0.11	-2.25	-0.55	-169.00	-31.75
240	9	-20.48	202.39	-8.18e-03	0.0	0.0	-1.36	-0.11	-2.25	-0.55	202.39	-20.48
		-31.75	-169.00	-0.04	0.0	165.0	-1.36	-0.11	-2.25	-0.55	-169.00	-31.75
240	10	52.70	404.72	7.18e-04	0.0	0.0	-0.28	-0.83	-4.87	0.80	404.72	52.70
		-133.67	-400.51	0.05	0.0	165.0	-0.28	-0.83	-4.87	0.80	-400.51	-133.67
240	11	75.19	294.42	-0.01	0.0	0.0	-0.18	-0.46	-3.46	-0.83	294.42	75.19
		-101.66	-280.11	-0.02	0.0	165.0	-0.18	-0.46	-3.46	-0.83	-280.11	-101.66
240	12	3.35	1.10	-1.37e-04	0.0	0.0	0.98	0.02	0.01	-8.02e-05	-1.13	0.70
		0.70	-1.13	-8.38e-05	0.0	165.0	0.98	0.02	0.01	-8.02e-05	1.10	3.35
240	13	1.675e+04	806.90	0.22	0.0	0.0	-1.95	-174.70	11.27	-0.66	-1053.23	1.675e+04
		-1.207e+04	-1053.23	-0.15	0.0	165.0	-1.95	-174.70	11.27	-0.66	806.90	-1.207e+04
241	1	1465.09	-19.24	-5.21e-03	-16.62	0.0	0.71	6.11	-1.44	-0.06	-73.50	1279.83
		917.03	-121.47	-5.06e-03	3.53	165.0	0.71	-10.51	2.09	-0.06	-19.24	917.03
241	2	4777.20	-179.99	-0.02	0.0	0.0	0.32	-5.62	0.89	-0.16	-326.53	4777.20
		3849.27	-326.53	-0.01	0.0	165.0	0.32	-5.62	0.89	-0.16	-179.99	3849.27
241	3	9345.22	-352.10	-0.04	0.0	0.0	0.62	-11.00	1.74	-0.32	-638.76	9345.22
		7529.98	-638.76	-0.03	0.0	165.0	0.62	-11.00	1.74	-0.32	-352.10	7529.98
241	4	-89.18	698.20	-0.03	0.0	0.0	3.40	0.14	-8.35	-1.61	698.20	-99.75
		-99.75	-680.59	-0.11	0.0	165.0	3.40	0.14	-8.35	-1.61	-680.59	-89.18
241	5	-89.18	698.20	-0.03	0.0	0.0	3.40	0.14	-8.35	-1.61	698.20	-99.75
		-99.75	-680.59	-0.11	0.0	165.0	3.40	0.14	-8.35	-1.61	-680.59	-89.18
241	6	-358.77	578.19	0.01	0.0	0.0	-0.45	0.59	7.32	2.07	-710.69	-379.78
		-379.78	-710.69	0.06	0.0	165.0	-0.45	0.59	7.32	2.07	578.19	-358.77
241	7	-214.99	691.01	-0.03	0.0	0.0	-0.51	0.85	9.15	-2.66	-847.69	-277.82
		-277.82	-847.69	-0.14	0.0	165.0	-0.51	0.85	9.15	-2.66	691.01	-214.99
241	8	-28.37	222.46	-8.21e-03	0.0	0.0	1.08	0.05	-2.66	-0.51	222.46	-31.77
		-31.77	-216.85	-0.03	0.0	165.0	1.08	0.05	-2.66	-0.51	-216.85	-28.37
241	9	-28.37	222.46	-8.21e-03	0.0	0.0	1.08	0.05	-2.66	-0.51	222.46	-31.77
		-31.77	-216.85	-0.03	0.0	165.0	1.08	0.05	-2.66	-0.51	-216.85	-28.37
241	10	-125.20	190.51	4.05e-03	0.0	0.0	-0.15	0.22	2.39	0.66	-235.90	-133.71
		-133.71	-235.90	0.02	0.0	165.0	-0.15	0.22	2.39	0.66	190.51	-125.20
241	11	-77.09	228.20	-9.36e-03	0.0	0.0	-0.16	0.32	3.03	-0.85	-283.21	-101.66
		-101.66	-283.21	-0.05	0.0	165.0	-0.16	0.32	3.03	-0.85	228.20	-77.09
241	12	3.94	1.27	-2.66e-05	0.0	0.0	1.06	3.63e-03	0.02	-1.68e-03	-1.25	3.34
		3.34	-1.25	-9.57e-05	0.0	165.0	1.06	3.63e-03	0.02	-1.68e-03	1.27	3.94
241	13	-9839.36	979.86	-0.06	0.0	0.0	-1.76	13.52	11.89	-1.85	-982.74	-1.207e+04
		-1.207e+04	-982.74	-0.18	0.0	165.0	-1.76	13.52	11.89	-1.85	979.86	-9839.36
242	1	916.83	545.83	0.02	-16.62	0.0	0.77	-17.71	4.28	0.01	-452.01	916.83
		-3376.83	-452.01	-0.06	3.53	165.0	0.77	-34.33	7.81	0.01	545.83	-3376.83
242	2	3848.97	1351.14	0.08	0.0	0.0	0.43	-81.16	16.29	0.05	-1336.41	3848.97
		-9541.77	-1336.41	-0.17	0.0	165.0	0.43	-81.16	16.29	0.05	1351.14	-9541.77
242	3	7529.40	2643.11	0.16	0.0	0.0	0.85	-158.76	31.86	0.11	-2614.31	7529.40
		-1.867e+04	-2614.31	-0.33	0.0	165.0	0.85	-158.76	31.86	0.11	2643.11	-1.867e+04
242	4	-78.44	621.08	-0.03	0.0	0.0	11.07	-0.47	-8.16	-1.53	621.08	-89.20
		-89.20	-725.48	-0.10	0.0	165.0	11.07	-0.47	-8.16	-1.53	-725.48	-78.44
242	5	-78.44	621.08	-0.03	0.0	0.0	11.07	-0.47	-8.16	-1.53	621.08	-89.20
		-89.20	-725.48	-0.10	0.0	165.0	11.07	-0.47	-8.16	-1.53	-725.48	-78.44
242	6	188.96	1503.78	0.02	0.0	0.0	-1.25	2.66	17.63	-1.81	-1408.12	-358.52
		-358.52	-1408.12	-0.03	0.0	165.0	-1.25	2.66	17.63	-1.81	1503.78	188.96
242	7	210.80	1350.09	-0.01	0.0	0.0	-1.43	1.87	15.49	-2.76	-1207.18	-214.82
		-214.82	-1207.18	-0.17	0.0	165.0	-1.43	1.87	15.49	-2.76	1350.09	210.80
242	8	-25.00	197.82	-8.54e-03	0.0	0.0	3.52	-0.15	-2.60	-0.49	197.82	-28.38
		-28.38	-231.14	-0.03	0.0	165.0	3.52	-0.15	-2.60	-0.49	-231.14	-25.00
242	9	-25.00	197.82	-8.54e-03	0.0	0.0	3.52	-0.15	-2.60	-0.49	197.82	-28.38
		-28.38	-231.14	-0.03	0.0	165.0	3.52	-0.15	-2.60	-0.49	-231.14	-25.00
242	10	68.62	522.02	8.95e-03	0.0	0.0	-0.40	0.93	6.14	-0.58	-492.50	-125.11
		-125.11	-492.50	-0.01	0.0	165.0	-0.40	0.93	6.14	-0.58	522.02	68.62
242	11	76.95	467.04	-2.79e-03	0.0	0.0	-0.45	0.68	5.38	-0.88	-420.94	-77.03
		-77.03	-420.94	-0.06	0.0	165.0	-0.45	0.68	5.38	-0.88	467.04	76.95
242	12	7.65	1.46	1.67e-04	0.0	0.0	1.15	0.02	0.02	-2.83e-03	-1.36	3.92
		3.92	-1.36	-9.43e-05	0.0	165.0	1.15	0.02	0.02	-2.83e-03	1.46	7.65
242	13	2.328e+04	1053.01	-0.25	0.0	0.0	-1.84	200.73	11.36	-3.43	-820.57	-9837.69
		-9837.69	-820.57	-0.15	0.0	165.0	-1.84	200.73	11.36	-3.43	1053.01	2.328e+04
243	1	-3376.87	460.62	-5.33e-03	-3.32	0.0	0.42	-41.38	10.60	0.07	99.04	-3376.87
		-4797.30	99.04	-3.13e-03	0.71	33.0	0.42	-44.71	11.31	0.07	460.62	-4797.30
243	2	-9541.66	1111.75	-0.01	0.0	0.0	8.76e-04	-116.20	25.98	0.33	254.31	-9541.66
		-1.338e+04	254.31	-7.63e-03	0.0	33.0	8.76e-04	-116.20	25.98	0.33	1111.75	-1.338e+04
243	3	-1.867e+04	2174.82	-0.03	0.0	0.0	1.71e-03	-227.31	50.83	0.65	497.48	-1.867e+04
		-2.617e+04	497.48	-0.01	0.0	33.0	1.71e-03	-227.31	50.83	0.65	2174.82	-2.617e+04
243	4	-78.84	153.46	-4.50e-03	0.0	0.0	14.10	-0.73	-38.28	-1.84	153.46	-78.84
		-91.58	-1125.17	-0.03	0.0	33.0	14.10	-0.73	-38.28	-1.84	-1125.17	-91.58
243	5	-78.84	153.46	-4.50e-03	0.0	0.0	14.10	-0.73	-38.28	-1.84	153.46	-78.84
		-91.58	-1125.17	-0.03	0.0	33.0	14.10	-0.73	-38.28	-1.84	-1125.17	-91.58
243	6	276.34	1085.85	1.36e-03	0.0	0.0	-1.64	3.76	23.58	2.59	340.79	189.10
		189.10	340.79	0.02	0.0	33.0	-1.64	3.76	23.58	2.59	1085.85	276.34
243	7	267.00	1087.70	-4.72e-03	0.0	0.0	-1.78	2.39	26.58	-2.46	269.05	210.96

		210.96	269.05	-0.01	0.0	33.0	-1.78	2.39	26.58	-2.46	1087.70	267.00
243	8	-25.12	48.82	-1.43e-03	0.0	0.0	4.48	-0.23	-12.18	-0.59	48.82	-25.12
		-29.18	-358.03	-9.62e-03	0.0	33.0	4.48	-0.23	-12.18	-0.59	-358.03	-29.18
243	9	-25.12	48.82	-1.43e-03	0.0	0.0	4.48	-0.23	-12.18	-0.59	48.82	-25.12
		-29.18	-358.03	-9.62e-03	0.0	33.0	4.48	-0.23	-12.18	-0.59	-358.03	-29.18
243	10	98.35	382.12	4.39e-04	0.0	0.0	-0.52	1.29	8.38	0.86	115.90	68.67
		68.67	115.90	5.08e-03	0.0	33.0	-0.52	1.29	8.38	0.86	382.12	98.35
243	11	96.94	370.52	-1.46e-03	0.0	0.0	-0.57	0.85	8.91	-0.81	95.10	77.01
		77.01	95.10	-4.04e-03	0.0	33.0	-0.57	0.85	8.91	-0.81	370.52	96.94
243	12	8.75	2.28	6.62e-05	0.0	0.0	1.32	0.03	0.14	-3.61e-03	-2.40	7.68
		7.68	-2.40	-2.59e-06	0.0	33.0	1.32	0.03	0.14	-3.61e-03	2.28	8.75
243	13	3.277e+04	749.90	0.02	0.0	0.0	-0.57	287.62	17.06	-2.55	186.93	2.328e+04
		2.328e+04	186.93	-6.54e-03	0.0	33.0	-0.57	287.62	17.06	-2.55	749.90	3.277e+04
244	1	-3187.66	522.71	-0.01	-3.22	0.0	0.66	51.88	-12.51	0.06	522.71	-4796.40
		-4796.40	133.31	3.41e-03	0.69	32.0	0.66	48.66	-11.83	0.06	133.31	-3187.66
244	2	-9013.22	1264.15	-0.03	0.0	0.0	0.58	136.23	-28.98	-0.02	1264.15	-1.337e+04
		-1.337e+04	336.68	8.33e-03	0.0	32.0	0.58	136.23	-28.98	-0.02	336.68	-9013.22
244	3	-1.763e+04	2472.95	-0.06	0.0	0.0	1.14	266.50	-56.70	-0.04	2472.95	-2.616e+04
		-2.616e+04	658.63	0.02	0.0	32.0	1.14	266.50	-56.70	-0.04	658.63	-1.763e+04
244	4	-75.31	979.91	-2.99e-03	0.0	0.0	-5.36	1.06	-36.15	-1.39	979.91	-97.66
		-97.66	-190.77	-0.03	0.0	32.0	-5.36	1.06	-36.15	-1.39	-190.77	-75.31
244	5	-75.31	979.91	-2.99e-03	0.0	0.0	-5.36	1.06	-36.15	-1.39	979.91	-97.66
		-97.66	-190.77	-0.03	0.0	32.0	-5.36	1.06	-36.15	-1.39	-190.77	-75.31
244	6	276.10	599.91	3.69e-03	0.0	0.0	-0.93	-3.76	-18.26	-1.90	599.91	276.10
		206.77	-242.18	0.02	0.0	32.0	-0.93	-3.76	-18.26	-1.90	-242.18	206.77
244	7	267.20	173.01	-1.49e-03	0.0	0.0	-0.72	-1.80	14.82	-2.98	-525.27	267.20
		244.03	-525.27	-9.08e-03	0.0	32.0	-0.72	-1.80	14.82	-2.98	173.01	244.03
244	8	-24.04	311.86	-9.47e-04	0.0	0.0	-1.70	0.34	-11.50	-0.44	311.86	-31.11
		-31.11	-60.67	-9.86e-03	0.0	32.0	-1.70	0.34	-11.50	-0.44	-60.67	-24.04
244	9	-24.04	311.86	-9.47e-04	0.0	0.0	-1.70	0.34	-11.50	-0.44	311.86	-31.11
		-31.11	-60.67	-9.86e-03	0.0	32.0	-1.70	0.34	-11.50	-0.44	-60.67	-24.04
244	10	98.27	205.69	1.29e-03	0.0	0.0	-0.30	-1.24	-6.05	-0.62	205.69	98.27
		75.79	-81.02	6.46e-03	0.0	32.0	-0.30	-1.24	-6.05	-0.62	-81.02	75.79
244	11	97.00	59.19	-3.38e-04	0.0	0.0	-0.23	-0.61	4.92	-0.96	-178.96	97.00
		89.71	-178.96	-2.91e-03	0.0	32.0	-0.23	-0.61	4.92	-0.96	59.19	89.71
244	12	9.38	1.27	7.70e-05	0.0	0.0	1.02	-0.10	0.19	-4.03e-03	-4.79	9.38
		6.27	-4.79	-1.99e-05	0.0	32.0	1.02	-0.10	0.19	-4.03e-03	1.27	6.27
244	13	3.277e+04	-841.00	0.07	0.0	0.0	-2.09	-336.99	44.05	-4.95	-2250.69	3.277e+04
		2.198e+04	-2250.69	-0.02	0.0	32.0	-2.09	-336.99	44.05	-4.95	-841.00	2.198e+04
245	1	2294.52	645.86	-0.10	-16.62	0.0	1.02	41.53	-8.87	0.12	645.86	-3187.51
		-3187.51	-527.02	0.08	3.53	165.0	1.02	24.92	-5.34	0.12	-527.02	2294.52
245	2	7657.19	1592.99	-0.28	0.0	0.0	1.03	101.03	-18.85	0.28	1592.99	-9012.87
		-9012.87	-1517.82	0.20	0.0	165.0	1.03	101.03	-18.85	0.28	-1517.82	7657.19
245	3	1.498e+04	3116.23	-0.54	0.0	0.0	2.01	197.64	-36.88	0.54	3116.23	-1.763e+04
		-1.763e+04	-2969.18	0.39	0.0	165.0	2.01	197.64	-36.88	0.54	-2969.18	1.498e+04
245	4	119.70	527.47	-0.03	0.0	0.0	-2.33	0.95	-5.82	-1.69	527.47	-75.63
		-75.63	-433.98	-0.12	0.0	165.0	-2.33	0.95	-5.82	-1.69	-433.98	119.70
245	5	119.70	527.47	-0.03	0.0	0.0	-2.33	0.95	-5.82	-1.69	527.47	-75.63
		-75.63	-433.98	-0.12	0.0	165.0	-2.33	0.95	-5.82	-1.69	-433.98	119.70
245	6	206.71	738.22	-7.13e-03	0.0	0.0	-0.63	-2.61	-8.29	-1.88	738.22	206.71
		-391.35	-654.69	0.08	0.0	165.0	-0.63	-2.61	-8.29	-1.88	-654.69	-391.35
245	7	244.01	-502.06	-0.04	0.0	0.0	-0.37	-1.20	-6.87	-2.40	-639.33	244.01
		-244.19	-639.33	-0.08	0.0	165.0	-0.37	-1.20	-6.87	-2.40	-502.06	-244.19
245	8	38.16	168.24	-9.15e-03	0.0	0.0	-0.74	0.30	-1.86	-0.54	168.24	-24.14
		-24.14	-138.42	-0.04	0.0	165.0	-0.74	0.30	-1.86	-0.54	-138.42	38.16
245	9	38.16	168.24	-9.15e-03	0.0	0.0	-0.74	0.30	-1.86	-0.54	168.24	-24.14
		-24.14	-138.42	-0.04	0.0	165.0	-0.74	0.30	-1.86	-0.54	-138.42	38.16
245	10	75.77	256.24	-3.36e-03	0.0	0.0	-0.20	-0.86	-2.91	-0.61	256.24	75.77
		-129.25	-231.38	0.03	0.0	165.0	-0.20	-0.86	-2.91	-0.61	-231.38	-129.25
245	11	89.70	-176.93	-0.01	0.0	0.0	-0.12	-0.40	-2.40	-0.78	-221.00	89.70
		-87.98	-221.00	-0.02	0.0	165.0	-0.12	-0.40	-2.40	-0.78	-176.93	-87.98
245	12	6.28	4.62	4.27e-04	0.0	0.0	1.20	-0.11	0.06	-8.62e-03	-5.58	6.28
		-12.50	-5.58	-6.42e-04	0.0	165.0	1.20	-0.11	0.06	-8.62e-03	4.62	-12.50
245	13	2.198e+04	2580.39	0.62	0.0	0.0	-3.27	-249.70	36.06	-4.10	-3369.51	2.198e+04
		-1.922e+04	-3369.51	-0.47	0.0	165.0	-3.27	-249.70	36.06	-4.10	2580.39	-1.922e+04
246	1	3766.37	72.55	-0.03	-16.62	0.0	0.95	17.23	-3.21	0.21	72.55	2294.82
		2294.82	-167.53	0.02	3.53	165.0	0.95	0.61	0.32	0.21	-165.33	3766.37
246	2	1.172e+04	42.06	-0.08	0.0	0.0	0.92	24.59	-3.58	0.54	42.06	7657.90
		7657.90	-548.64	0.06	0.0	165.0	0.92	24.59	-3.58	0.54	-548.64	1.172e+04
246	3	2.292e+04	82.27	-0.15	0.0	0.0	1.79	48.11	-7.00	1.06	82.27	1.498e+04
		1.498e+04	-1073.26	0.11	0.0	165.0	1.79	48.11	-7.00	1.06	-1073.26	2.292e+04
246	4	178.81	675.13	-0.02	0.0	0.0	5.34	0.49	-7.87	-1.45	675.13	119.78
		119.78	-625.19	-0.08	0.0	165.0	5.34	0.49	-7.87	-1.45	-625.19	178.81
246	5	178.81	675.13	-0.02	0.0	0.0	5.34	0.49	-7.87	-1.45	675.13	119.78
		119.78	-625.19	-0.08	0.0	165.0	5.34	0.49	-7.87	-1.45	-625.19	178.81
246	6	-391.20	907.33	-6.64e-03	0.0	0.0	-0.57	-0.55	12.63	-1.57	-1192.52	-391.20

		-422.34	-1192.52	-0.05	0.0	165.0	-0.57	-0.55	12.63	-1.57	907.33	-422.34
246	7	-200.92	733.98	-0.03	0.0	0.0	-0.67	-0.55	9.51	-2.51	-841.97	-244.09
		-244.09	-841.97	-0.13	0.0	165.0	-0.67	-0.55	9.51	-2.51	733.98	-200.92
246	8	56.90	214.92	-6.96e-03	0.0	0.0	1.70	0.16	-2.51	-0.46	214.92	38.18
		38.18	-199.12	-0.03	0.0	165.0	1.70	0.16	-2.51	-0.46	-199.12	56.90
246	9	56.90	214.92	-6.96e-03	0.0	0.0	1.70	0.16	-2.51	-0.46	214.92	38.18
		38.18	-199.12	-0.03	0.0	165.0	1.70	0.16	-2.51	-0.46	-199.12	56.90
246	10	-129.21	299.96	-1.95e-03	0.0	0.0	-0.18	-0.20	4.17	-0.52	-393.66	-129.21
		-137.55	-393.66	-0.01	0.0	165.0	-0.18	-0.20	4.17	-0.52	299.96	-137.55
246	11	-69.33	246.28	-8.03e-03	0.0	0.0	-0.21	-0.20	3.18	-0.81	-281.40	-87.94
		-87.94	-281.40	-0.04	0.0	165.0	-0.21	-0.20	3.18	-0.81	246.28	-69.33
246	12	-12.57	5.23	7.62e-05	0.0	0.0	1.32	-0.07	0.06	-0.01	-5.27	-12.57
		-23.93	-5.27	-7.69e-04	0.0	165.0	1.32	-0.07	0.06	-0.01	5.23	-23.93
246	13	-1.922e+04	3122.32	0.15	0.0	0.0	-2.92	-60.26	37.86	-5.78	-3125.33	-1.922e+04
		-2.916e+04	-3125.33	-0.57	0.0	165.0	-2.92	-60.26	37.86	-5.78	3122.32	-2.916e+04
247	1	3766.28	386.18	0.11	-16.62	0.0	1.00	-7.60	2.59	0.26	-331.77	3766.28
		1141.25	-331.77	-0.04	3.53	165.0	1.00	-24.22	6.12	0.26	386.18	1141.25
247	2	1.172e+04	948.53	0.34	0.0	0.0	0.98	-52.75	12.01	0.74	-1032.86	1.172e+04
		3011.66	-1032.86	-0.11	0.0	165.0	0.98	-52.75	12.01	0.74	948.53	3011.66
247	3	2.292e+04	1855.52	0.67	0.0	0.0	1.91	-103.20	23.49	1.44	-2020.49	2.292e+04
		5891.44	-2020.49	-0.22	0.0	165.0	1.91	-103.20	23.49	1.44	1855.52	5891.44
247	4	178.75	681.55	-0.02	0.0	0.0	13.00	-0.73	-8.89	-1.09	681.55	178.75
		60.36	-785.06	-0.07	0.0	165.0	13.00	-0.73	-8.89	-1.09	-785.06	60.36
247	5	178.75	681.55	-0.02	0.0	0.0	13.00	-0.73	-8.89	-1.09	681.55	178.75
		60.36	-785.06	-0.07	0.0	165.0	13.00	-0.73	-8.89	-1.09	-785.06	60.36
247	6	-100.87	1920.66	2.59e-03	0.0	0.0	-1.52	1.95	21.75	-2.22	-1668.54	-421.90
		-421.90	-1668.54	-0.12	0.0	165.0	-1.52	1.95	21.75	-2.22	1920.66	-100.87
247	7	-42.21	1112.60	-8.85e-03	0.0	0.0	-1.63	0.98	12.43	-2.90	-938.89	-200.72
		-200.72	-938.89	-0.14	0.0	165.0	-1.63	0.98	12.43	-2.90	1112.60	-42.21
247	8	56.88	216.77	-5.03e-03	0.0	0.0	4.13	-0.23	-2.83	-0.35	216.77	56.88
		19.20	-249.74	-0.02	0.0	165.0	4.13	-0.23	-2.83	-0.35	-249.74	19.20
247	9	56.88	216.77	-5.03e-03	0.0	0.0	4.13	-0.23	-2.83	-0.35	216.77	56.88
		19.20	-249.74	-0.02	0.0	165.0	4.13	-0.23	-2.83	-0.35	-249.74	19.20
247	10	-32.48	632.27	1.46e-03	0.0	0.0	-0.48	0.64	7.16	-0.74	-550.15	-137.40
		-137.40	-550.15	-0.04	0.0	165.0	-0.48	0.64	7.16	-0.74	632.27	-32.48
247	11	-13.99	370.04	-1.99e-03	0.0	0.0	-0.52	0.34	4.13	-0.95	-312.47	-69.26
		-69.26	-312.47	-0.04	0.0	165.0	-0.52	0.34	4.13	-0.95	370.04	-13.99
247	12	-9.01	6.10	-8.31e-04	0.0	0.0	1.45	0.09	0.07	-5.42e-03	-4.87	-23.96
		-23.96	-4.87	-6.49e-04	0.0	165.0	1.45	0.09	0.07	-5.42e-03	6.10	-9.01
247	13	-7485.25	3374.26	-0.93	0.0	0.0	-2.77	131.38	36.16	-7.40	-2592.19	-2.916e+04
		-2.916e+04	-2592.19	-0.47	0.0	165.0	-2.77	131.38	36.16	-7.40	3374.26	-7485.25
248	1	1140.84	360.77	0.03	-3.32	0.0	0.79	-32.70	9.14	0.30	47.34	1140.84
		6.99	47.34	-2.51e-03	0.71	33.0	0.79	-36.02	9.85	0.30	360.77	6.99
248	2	3011.55	858.80	0.09	0.0	0.0	0.86	-91.16	22.22	0.92	125.38	3011.55
		3.12	125.38	-6.06e-03	0.0	33.0	0.86	-91.16	22.22	0.92	858.80	3.12
248	3	5891.22	1679.99	0.18	0.0	0.0	1.69	-178.34	43.48	1.80	245.28	5891.22
		6.10	245.28	-0.01	0.0	33.0	1.69	-178.34	43.48	1.80	1679.99	6.10
248	4	59.44	192.53	-2.72e-03	0.0	0.0	15.91	-1.34	-39.38	-1.21	192.53	59.44
		17.56	-1166.88	-0.03	0.0	33.0	15.91	-1.34	-39.38	-1.21	-1166.88	17.56
248	5	59.44	192.53	-2.72e-03	0.0	0.0	15.91	-1.34	-39.38	-1.21	192.53	59.44
		17.56	-1166.88	-0.03	0.0	33.0	15.91	-1.34	-39.38	-1.21	-1166.88	17.56
248	6	-2.11	1251.18	-3.95e-03	0.0	0.0	-1.92	3.06	23.89	-1.91	482.02	-100.64
		-100.64	482.02	0.01	0.0	33.0	-1.92	3.06	23.89	-1.91	1251.18	-2.11
248	7	2.11	885.85	-5.33e-03	0.0	0.0	1.98	1.26	21.85	-2.70	242.43	-42.05
		-42.05	242.43	-5.66e-03	0.0	33.0	1.98	1.26	21.85	-2.70	885.85	2.11
248	8	18.90	61.22	-8.65e-04	0.0	0.0	5.06	-0.43	-12.52	-0.39	61.22	18.90
		5.58	-371.13	-9.71e-03	0.0	33.0	5.06	-0.43	-12.52	-0.39	-371.13	5.58
248	9	18.90	61.22	-8.65e-04	0.0	0.0	5.06	-0.43	-12.52	-0.39	61.22	18.90
		5.58	-371.13	-9.71e-03	0.0	33.0	5.06	-0.43	-12.52	-0.39	-371.13	5.58
248	10	-0.68	413.80	-1.26e-03	0.0	0.0	-0.61	0.99	7.95	-0.65	157.97	-32.41
		-32.41	157.97	4.32e-03	0.0	33.0	-0.61	0.99	7.95	-0.65	413.80	-0.68
248	11	0.68	290.77	-1.73e-03	0.0	0.0	0.63	0.42	7.09	-0.89	81.56	-13.95
		-13.95	81.56	-1.79e-03	0.0	33.0	0.63	0.42	7.09	-0.89	290.77	0.68
248	12	-3.40	2.28	-2.29e-04	0.0	0.0	1.68	0.17	0.11	1.08e-03	-1.51	-8.84
		-8.84	-1.51	-1.89e-05	0.0	33.0	1.68	0.17	0.11	1.08e-03	2.28	-3.40
248	13	-7.60	2265.23	-0.25	0.0	0.0	-2.24	226.56	44.17	-6.65	807.60	-7484.11
		-7484.11	807.60	-0.02	0.0	33.0	-2.24	226.56	44.17	-6.65	2265.23	-7.60
249	1	5509.85	23.73	-3.38e-03	-29.81	0.0	343.67	-19.42	2.22	5.47	-199.53	5509.85
		2052.93	-199.53	-7.84e-05	0.0	100.7	350.02	-49.23	2.22	5.47	23.73	2052.93
249	2	6289.96	35.73	0.02	0.0	0.0	275.88	-45.94	4.77	6.64	-444.94	6289.96
		1663.61	-444.94	1.65e-04	0.0	100.7	275.88	-45.94	4.77	6.64	35.73	1663.61
249	3	1.230e+04	69.89	0.04	0.0	0.0	539.68	-89.87	9.34	13.00	-870.40	1.230e+04
		3254.37	-870.40	3.24e-04	0.0	100.7	539.68	-89.87	9.34	13.00	69.89	3254.37
249	4	1796.05	790.16	0.19	0.0	0.0	-38.27	19.91	-2.02	-4.03	790.16	-209.34
		-209.34	632.11	-0.10	0.0	100.7	-38.27	19.91	-2.02	-4.03	632.11	1796.05
249	5	1796.05	790.16	0.19	0.0	0.0	-38.27	19.91	-2.02	-4.03	790.16	-209.34

		-209.34	632.11	-0.10	0.0	100.7	-38.27	19.91	-2.02	-4.03	632.11	1796.05
249	6	2954.61	136.22	0.27	0.0	0.0	-19.00	32.25	4.39	-22.82	-401.72	-299.86
		-299.86	-401.72	-0.02	0.0	100.7	-19.00	32.25	4.39	-22.82	136.22	2954.61
249	7	5565.83	-148.26	0.56	0.0	0.0	-38.98	61.53	6.03	-19.01	-713.35	-655.35
		-655.35	-713.35	0.02	0.0	100.7	-38.98	61.53	6.03	-19.01	-148.26	5565.83
249	8	571.12	251.29	0.06	0.0	0.0	-12.17	6.33	-0.65	-1.28	251.29	-66.57
		-66.57	200.99	-0.03	0.0	100.7	-12.17	6.33	-0.65	-1.28	200.99	571.12
249	9	571.12	251.29	0.06	0.0	0.0	-12.17	6.33	-0.65	-1.28	251.29	-66.57
		-66.57	200.99	-0.03	0.0	100.7	-12.17	6.33	-0.65	-1.28	200.99	571.12
249	10	972.43	43.35	0.09	0.0	0.0	-6.43	10.59	1.44	-7.57	-132.72	-96.59
		-96.59	-132.72	-5.08e-03	0.0	100.7	-6.43	10.59	1.44	-7.57	43.35	972.43
249	11	1809.38	-47.21	0.18	0.0	0.0	-12.89	19.93	2.01	-6.52	-233.91	-208.85
		-208.85	-233.91	5.07e-03	0.0	100.7	-12.89	19.93	2.01	-6.52	-47.21	1809.38
249	12	3.36	70.75	-2.51e-04	0.0	0.0	1.77	0.07	0.51	-1.70	19.11	-3.71
		-3.71	19.11	1.70e-04	0.0	100.7	1.77	0.07	0.51	-1.70	70.75	3.36
249	13	4945.22	-110.14	1.16	0.0	0.0	-686.31	213.07	9.83	-55.25	-1099.65	-1.651e+04
		-1.651e+04	-1099.65	4.47e-04	0.0	100.7	-686.31	213.07	9.83	-55.25	-110.14	4945.22
250	1	8373.88	43.02	-8.49e-03	-29.81	0.0	539.12	-50.31	-0.44	0.03	43.02	8373.88
		1806.67	-1.15	-2.33e-05	0.0	100.7	545.46	-80.12	-0.44	0.03	-1.15	1806.67
250	2	1.831e+04	101.61	0.01	0.0	0.0	719.01	-126.20	-1.07	-0.58	101.61	1.831e+04
		5597.95	-6.30	-4.88e-05	0.0	100.7	719.01	-126.20	-1.07	-0.58	-6.30	5597.95
250	3	3.581e+04	198.77	0.03	0.0	0.0	1406.54	-246.87	-2.10	-1.14	198.77	3.581e+04
		1.095e+04	-12.33	-9.55e-05	0.0	100.7	1406.54	-246.87	-2.10	-1.14	-12.33	1.095e+04
250	4	1440.34	555.68	0.14	0.0	0.0	-13.70	16.70	2.90	9.74	482.08	-244.66
		-244.66	482.08	-0.10	0.0	100.7	-13.70	16.70	2.90	9.74	555.68	1440.34
250	5	1440.34	555.68	0.14	0.0	0.0	-13.70	16.70	2.90	9.74	482.08	-244.66
		-244.66	482.08	-0.10	0.0	100.7	-13.70	16.70	2.90	9.74	555.68	1440.34
250	6	5665.63	125.77	0.34	0.0	0.0	-36.81	59.80	6.62	-18.83	-601.17	-471.66
		-471.66	-601.17	-0.02	0.0	100.7	-36.81	59.80	6.62	-18.83	125.77	5665.63
250	7	8020.57	-132.42	0.58	0.0	0.0	-59.17	85.96	5.58	-13.31	-584.45	-891.29
		-891.29	-584.45	0.02	0.0	100.7	-59.17	85.96	5.58	-13.31	-132.42	8020.57
250	8	457.95	176.68	0.04	0.0	0.0	-4.36	5.31	0.94	3.10	154.01	-77.79
		-77.79	154.01	-0.03	0.0	100.7	-4.36	5.31	0.94	3.10	176.68	457.95
250	9	457.95	176.68	0.04	0.0	0.0	-4.36	5.31	0.94	3.10	154.01	-77.79
		-77.79	154.01	-0.03	0.0	100.7	-4.36	5.31	0.94	3.10	176.68	457.95
250	10	2003.40	40.04	0.11	0.0	0.0	-12.67	20.96	2.16	-6.04	-197.57	-150.72
		-150.72	-197.57	-5.09e-03	0.0	100.7	-12.67	20.96	2.16	-6.04	40.04	2003.40
250	11	2787.66	-42.16	0.18	0.0	0.0	-20.04	29.49	1.90	-4.29	-196.88	-283.79
		-283.79	-196.88	5.08e-03	0.0	100.7	-20.04	29.49	1.90	-4.29	-42.16	2787.66
250	12	-9.31	45.49	3.86e-05	0.0	0.0	-0.68	0.05	7.17e-03	-0.34	44.77	-14.81
		-14.81	44.77	1.63e-04	0.0	100.7	-0.68	0.05	7.17e-03	-0.34	45.49	-9.31
250	13	-4368.43	-6.55	1.36	0.0	0.0	-1774.04	416.97	15.53	-23.04	-1570.06	-4.636e+04
		-4.636e+04	-1570.06	-6.17e-04	0.0	100.7	-1774.04	416.97	15.53	-23.04	-6.55	-4368.43
251	1	7281.57	1.75	-8.26e-03	-29.81	0.0	504.02	-44.45	0.07	-0.32	-4.82	7281.57
		1304.50	-4.82	-2.84e-05	0.0	100.7	510.36	-74.26	0.07	-0.32	1.75	1304.50
251	2	1.497e+04	1.66	0.01	0.0	0.0	633.09	-110.68	0.18	-0.44	-16.61	1.497e+04
		3822.60	-16.61	-6.01e-05	0.0	100.7	633.09	-110.68	0.18	-0.44	1.66	3822.60
251	3	2.928e+04	3.25	0.03	0.0	0.0	1238.47	-216.51	0.36	-0.85	-32.50	2.928e+04
		7477.82	-32.50	-1.17e-04	0.0	100.7	1238.47	-216.51	0.36	-0.85	3.25	7477.82
251	4	837.28	551.81	0.07	0.0	0.0	7.07	9.28	3.74	-10.62	473.15	101.61
		101.61	473.15	-0.10	0.0	100.7	7.07	9.28	3.74	-10.62	551.81	837.28
251	5	837.28	551.81	0.07	0.0	0.0	7.07	9.28	3.74	-10.62	473.15	101.61
		101.61	473.15	-0.10	0.0	100.7	7.07	9.28	3.74	-10.62	551.81	837.28
251	6	6793.92	125.32	0.40	0.0	0.0	-44.51	71.10	6.55	-20.40	-577.27	-539.12
		-539.12	-577.27	-0.02	0.0	100.7	-44.51	71.10	6.55	-20.40	125.32	6793.92
251	7	8330.00	412.21	0.54	0.0	0.0	-59.40	88.05	-4.74	18.01	412.21	-748.01
		-748.01	-129.36	0.02	0.0	100.7	-59.40	88.05	-4.74	18.01	-129.36	8330.00
251	8	266.25	175.45	0.02	0.0	0.0	2.25	2.95	1.20	-3.38	150.93	32.34
		32.34	150.93	-0.03	0.0	100.7	2.25	2.95	1.20	-3.38	175.45	266.25
251	9	266.25	175.45	0.02	0.0	0.0	2.25	2.95	1.20	-3.38	150.93	32.34
		32.34	150.93	-0.03	0.0	100.7	2.25	2.95	1.20	-3.38	175.45	266.25
251	10	2407.85	39.89	0.13	0.0	0.0	-15.50	24.97	2.13	-6.53	-188.55	-172.22
		-172.22	-188.55	-5.10e-03	0.0	100.7	-15.50	24.97	2.13	-6.53	39.89	2407.85
251	11	2926.40	136.17	0.17	0.0	0.0	-20.55	30.62	-1.55	5.82	136.17	-237.91
		-237.91	-41.17	5.08e-03	0.0	100.7	-20.55	30.62	-1.55	5.82	-41.17	2926.40
251	12	1.96	28.01	1.21e-04	0.0	0.0	-0.08	0.01	-0.05	-0.26	28.01	0.57
		0.57	23.40	9.12e-05	0.0	100.7	-0.08	0.01	-0.05	-0.26	23.40	1.96
251	13	1062.54	-16.12	1.45	0.0	0.0	-1569.10	390.18	5.07	-8.79	-526.21	-3.823e+04
		-3.823e+04	-526.21	-4.35e-04	0.0	100.7	-1569.10	390.18	5.07	-8.79	-16.12	1062.54
252	1	7809.17	2.02	-7.40e-03	-29.81	0.0	510.16	-46.01	2.95e-03	-4.52e-03	1.72	7809.17
		1674.84	1.72	-4.07e-05	0.0	100.7	516.50	-75.82	2.95e-03	-4.52e-03	2.02	1674.84
252	2	1.624e+04	2.51	0.02	0.0	0.0	651.51	-114.64	8.85e-03	-7.87e-03	1.61	1.624e+04
		4690.70	1.61	-8.90e-05	0.0	100.7	651.51	-114.64	8.85e-03	-7.87e-03	2.51	4690.70
252	3	3.176e+04	4.90	0.03	0.0	0.0	1274.49	-224.26	0.02	-0.02	3.16	3.176e+04
		9176.00	3.16	-1.74e-04	0.0	100.7	1274.49	-224.26	0.02	-0.02	4.90	9176.00
252	4	3.00	550.72	2.82e-04	0.0	0.0	-0.12	-0.03	4.27	-12.07	493.14	0.47

		0.47	493.14	-0.10	0.0	100.7	-0.12	-0.03	4.27	-12.07	550.72	3.00
252	5	3.00	550.72	2.82e-04	0.0	0.0	-0.12	-0.03	4.27	-12.07	493.14	0.47
		0.47	493.14	-0.10	0.0	100.7	-0.12	-0.03	4.27	-12.07	550.72	3.00
252	6	7239.29	126.24	0.48	0.0	0.0	-51.28	77.07	5.30	-19.75	-428.76	-668.09
		-668.09	-428.76	-0.02	0.0	100.7	-51.28	77.07	5.30	-19.75	126.24	7239.29
252	7	7249.27	428.06	0.48	0.0	0.0	-51.46	77.05	-5.31	19.82	428.06	-666.46
		-666.46	-126.96	0.02	0.0	100.7	-51.46	77.05	-5.31	19.82	-126.96	7249.27
252	8	0.95	175.11	8.95e-05	0.0	0.0	-0.04	-0.01	1.36	-3.84	157.01	0.15
		0.15	157.01	-0.03	0.0	100.7	-0.04	-0.01	1.36	-3.84	175.11	0.95
252	9	0.95	175.11	8.95e-05	0.0	0.0	-0.04	-0.01	1.36	-3.84	157.01	0.15
		0.15	157.01	-0.03	0.0	100.7	-0.04	-0.01	1.36	-3.84	175.11	0.95
252	10	2535.50	40.17	0.15	0.0	0.0	-17.73	26.74	1.71	-6.35	-139.15	-213.41
		-213.41	-139.15	-5.10e-03	0.0	100.7	-17.73	26.74	1.71	-6.35	40.17	2535.50
252	11	2539.90	138.79	0.15	0.0	0.0	-17.79	26.74	-1.71	6.38	138.79	-212.74
		-212.74	-40.41	5.08e-03	0.0	100.7	-17.79	26.74	-1.71	6.38	-40.41	2539.90
252	12	-2.34	-0.03	1.37e-04	0.0	0.0	-0.26	0.03	9.67e-04	9.10e-06	-0.13	-5.79
		-5.79	-0.13	0.0	0.0	100.7	-0.26	0.03	9.67e-04	9.10e-06	-0.03	-2.34
252	13	-810.28	-4.17	1.47	0.0	0.0	-1614.36	402.51	-0.02	0.05	-4.17	-4.135e+04
		-4.135e+04	-6.59	-3.13e-04	0.0	100.7	-1614.36	402.51	-0.02	0.05	-6.59	-810.28
253	1	7281.51	8.29	-8.26e-03	-29.81	0.0	504.02	-44.45	-0.06	0.31	8.29	7281.51
		1304.46	2.27	-5.30e-05	0.0	100.7	510.36	-74.26	-0.06	0.31	2.27	1304.46
253	2	1.497e+04	19.92	0.01	0.0	0.0	633.10	-110.68	-0.17	0.42	19.92	1.497e+04
		3822.26	3.30	-1.18e-04	0.0	100.7	633.10	-110.68	-0.17	0.42	3.30	3822.26
253	3	2.928e+04	38.97	0.03	0.0	0.0	1238.48	-216.51	-0.32	0.82	38.97	2.928e+04
		7477.15	6.46	-2.31e-04	0.0	100.7	1238.48	-216.51	-0.32	0.82	6.46	7477.15
253	4	-101.80	551.88	-0.07	0.0	0.0	-6.90	-9.28	3.74	-10.62	473.24	-101.80
		-837.50	473.24	-0.10	0.0	100.7	-6.90	-9.28	3.74	-10.62	551.88	-837.50
253	5	-101.80	551.88	-0.07	0.0	0.0	-6.90	-9.28	3.74	-10.62	473.24	-101.80
		-837.50	473.24	-0.10	0.0	100.7	-6.90	-9.28	3.74	-10.62	551.88	-837.50
253	6	8347.65	128.73	0.54	0.0	0.0	-59.24	88.04	4.72	-17.93	-409.92	-748.38
		-748.38	-409.92	-0.02	0.0	100.7	-59.24	88.04	4.72	-17.93	128.73	8347.65
253	7	6800.65	575.88	0.40	0.0	0.0	-44.87	71.11	-6.55	20.44	575.88	-540.26
		-540.26	-126.09	0.02	0.0	100.7	-44.87	71.11	-6.55	20.44	-126.09	6800.65
253	8	-32.40	175.48	-0.02	0.0	0.0	-2.20	-2.95	1.20	-3.38	150.96	-32.40
		-266.32	150.96	-0.03	0.0	100.7	-2.20	-2.95	1.20	-3.38	175.48	-266.32
253	9	-32.40	175.48	-0.02	0.0	0.0	-2.20	-2.95	1.20	-3.38	150.96	-32.40
		-266.32	150.96	-0.03	0.0	100.7	-2.20	-2.95	1.20	-3.38	175.48	-266.32
253	10	2933.36	40.96	0.17	0.0	0.0	-20.50	30.61	1.54	-5.80	-135.28	-238.02
		-238.02	-135.28	-5.10e-03	0.0	100.7	-20.50	30.61	1.54	-5.80	40.96	2933.36
253	11	2410.83	188.04	0.13	0.0	0.0	-15.64	24.98	-2.12	6.54	188.04	-172.79
		-172.79	-40.15	5.08e-03	0.0	100.7	-15.64	24.98	-2.12	6.54	-40.15	2410.83
253	12	1.95	-23.47	1.21e-04	0.0	0.0	-0.12	0.01	0.05	0.26	-28.29	0.55
		0.55	-28.29	-9.18e-05	0.0	100.7	-0.12	0.01	0.05	0.26	-23.47	1.95
253	13	1060.74	518.56	1.45	0.0	0.0	-1569.19	390.15	-5.12	8.90	518.56	-3.823e+04
		-3.823e+04	3.06	-3.52e-04	0.0	100.7	-1569.19	390.15	-5.12	8.90	3.06	1060.74
254	1	8373.99	5.26	-8.48e-03	-29.81	0.0	539.12	-50.31	0.45	-0.04	-39.81	8373.99
		1806.87	-39.81	-7.68e-05	0.0	100.7	545.46	-80.12	0.45	-0.04	5.26	1806.87
254	2	1.831e+04	11.47	0.01	0.0	0.0	719.01	-126.19	1.10	0.56	-98.92	1.831e+04
		5598.88	-98.92	-1.77e-04	0.0	100.7	719.01	-126.19	1.10	0.56	11.47	5598.88
254	3	3.581e+04	22.45	0.03	0.0	0.0	1406.53	-246.86	2.14	1.10	-193.51	3.581e+04
		1.095e+04	-193.51	-3.47e-04	0.0	100.7	1406.53	-246.86	2.14	1.10	22.45	1.095e+04
254	4	244.97	555.83	-0.14	0.0	0.0	13.52	-16.70	2.89	9.73	482.58	244.97
		-1439.95	482.58	-0.10	0.0	100.7	13.52	-16.70	2.89	9.73	555.83	-1439.95
254	5	244.97	555.83	-0.14	0.0	0.0	13.52	-16.70	2.89	9.73	482.58	244.97
		-1439.95	482.58	-0.10	0.0	100.7	13.52	-16.70	2.89	9.73	555.83	-1439.95
254	6	8012.27	588.09	0.58	0.0	0.0	-58.97	85.95	-5.61	13.27	588.09	-890.57
		-890.57	131.79	-0.02	0.0	100.7	-58.97	85.95	-5.61	13.27	131.79	8012.27
254	7	5642.84	602.89	0.34	0.0	0.0	-36.97	59.81	-6.63	18.86	602.89	-475.38
		-475.38	-126.54	0.02	0.0	100.7	-36.97	59.81	-6.63	18.86	-126.54	5642.84
254	8	77.89	176.73	-0.04	0.0	0.0	4.30	-5.31	0.93	3.10	154.16	77.89
		-457.83	154.16	-0.03	0.0	100.7	4.30	-5.31	0.93	3.10	176.73	-457.83
254	9	77.89	176.73	-0.04	0.0	0.0	4.30	-5.31	0.93	3.10	154.16	77.89
		-457.83	154.16	-0.03	0.0	100.7	4.30	-5.31	0.93	3.10	176.73	-457.83
254	10	2784.32	198.30	0.18	0.0	0.0	-19.99	29.49	-1.91	4.28	198.30	-283.48
		-283.48	41.95	-5.10e-03	0.0	100.7	-19.99	29.49	-1.91	4.28	41.95	2784.32
254	11	1994.40	198.41	0.11	0.0	0.0	-12.73	20.97	-2.17	6.05	198.41	-152.42
		-152.42	-40.31	5.08e-03	0.0	100.7	-12.73	20.97	-2.17	6.05	-40.31	1994.40
254	12	-9.32	-45.08	3.85e-05	0.0	0.0	-0.75	0.05	-4.83e-03	0.34	-45.08	-14.83
		-14.83	-45.57	-1.64e-04	0.0	100.7	-0.75	0.05	-4.83e-03	0.34	-45.57	-9.32
254	13	-4378.64	1566.67	1.36	0.0	0.0	-1774.12	416.87	-15.63	23.24	1566.67	-4.636e+04
		-4.636e+04	-7.03	-7.87e-04	0.0	100.7	-1774.12	416.87	-15.63	23.24	-7.03	-4378.64
255	1	5505.52	203.72	-3.37e-03	-29.81	0.0	344.06	-19.39	-2.22	-5.47	203.72	5505.52
		2051.78	-20.32	-9.33e-05	0.0	100.7	350.40	-49.20	-2.22	-5.47	-20.32	2051.78
255	2	6260.33	449.93	0.02	0.0	0.0	274.98	-45.73	-4.78	-6.63	449.93	6260.33
		1655.50	-31.76	-2.40e-04	0.0	100.7	274.98	-45.73	-4.78	-6.63	-31.76	1655.50
255	3	1.225e+04	880.16	0.04	0.0	0.0	537.92	-89.45	-9.36	-12.97	880.16	1.225e+04

		3238.50	-62.12	-4.69e-04	0.0	100.7	537.92	-89.45	-9.36	-12.97	-62.12	3238.50
255	4	209.31	790.50	-0.19	0.0	0.0	38.28	-19.90	-2.00	-4.02	790.50	209.31
		-1794.64	634.88	-0.10	0.0	100.7	38.28	-19.90	-2.00	-4.02	634.88	-1794.64
255	5	209.31	790.50	-0.19	0.0	0.0	38.28	-19.90	-2.00	-4.02	790.50	209.31
		-1794.64	634.88	-0.10	0.0	100.7	38.28	-19.90	-2.00	-4.02	634.88	-1794.64
255	6	5555.59	715.85	0.56	0.0	0.0	-38.69	61.47	-6.05	19.07	715.85	-655.46
		-655.46	147.82	-0.02	0.0	100.7	-38.69	61.47	-6.05	19.07	147.82	5555.59
255	7	2955.23	401.91	0.27	0.0	0.0	-18.86	32.21	-4.37	22.86	401.91	-297.56
		-297.56	-137.21	0.02	0.0	100.7	-18.86	32.21	-4.37	22.86	-137.21	2955.23
255	8	66.56	251.40	-0.06	0.0	0.0	12.17	-6.33	-0.64	-1.28	251.40	66.56
		-570.68	201.87	-0.03	0.0	100.7	12.17	-6.33	-0.64	-1.28	201.87	-570.68
255	9	66.56	251.40	-0.06	0.0	0.0	12.17	-6.33	-0.64	-1.28	251.40	66.56
		-570.68	201.87	-0.03	0.0	100.7	12.17	-6.33	-0.64	-1.28	201.87	-570.68
255	10	1805.60	234.85	0.18	0.0	0.0	-12.78	19.92	-2.01	6.54	234.85	-209.06
		-209.06	47.05	-5.09e-03	0.0	100.7	-12.78	19.92	-2.01	6.54	47.05	1805.60
255	11	972.91	132.90	0.09	0.0	0.0	-6.36	10.57	-1.44	7.58	132.90	-95.60
		-95.60	-43.68	5.07e-03	0.0	100.7	-6.36	10.57	-1.44	7.58	-43.68	972.91
255	12	3.35	-18.74	-2.51e-04	0.0	0.0	1.72	0.07	-0.52	1.70	-18.74	-3.76
		-3.76	-71.00	-1.71e-04	0.0	100.7	1.72	0.07	-0.52	1.70	-71.00	3.35
255	13	4954.01	1088.37	1.15	0.0	0.0	-684.25	212.42	-9.82	55.38	1088.37	-1.644e+04
		-1.644e+04	99.49	-7.05e-04	0.0	100.7	-684.25	212.42	-9.82	55.38	99.49	4954.01
256	1	280.49	174.27	7.21e-03	10.58	0.0	17.79	-4.23	-1.78	0.37	174.27	67.48
		-101.62	-182.63	2.66e-03	0.0	200.9	20.04	6.35	-1.78	0.37	-182.63	280.49
256	2	771.34	410.38	-0.04	40.53	0.0	9.54	-19.25	-4.12	0.47	410.38	567.01
		-348.58	-416.68	5.70e-03	0.0	200.9	18.16	21.28	-4.12	0.47	-416.68	771.34
256	3	1508.91	802.79	-0.08	79.28	0.0	18.66	-37.65	-8.05	0.93	802.79	1109.20
		-681.89	-815.12	0.01	0.0	200.9	35.53	41.63	-8.05	0.93	-815.12	1508.91
256	4	52.94	333.43	-0.39	0.0	0.0	34.25	0.25	-3.23	-0.24	333.43	-22.44
		-22.44	-314.74	0.21	0.0	200.9	34.25	0.25	-3.23	-0.24	-314.74	52.94
256	5	52.94	333.43	-0.39	0.0	0.0	34.25	0.25	-3.23	-0.24	333.43	-22.44
		-22.44	-314.74	0.21	0.0	200.9	34.25	0.25	-3.23	-0.24	-314.74	52.94
256	6	5.19	438.68	-0.56	0.0	0.0	-5.09	-0.55	-4.37	-1.53	438.68	5.19
		-107.07	-438.71	0.02	0.0	200.9	-5.09	-0.55	-4.37	-1.53	-438.71	-107.07
256	7	12.22	714.51	-1.14	0.0	0.0	-4.86	-1.04	-7.12	-1.27	714.51	12.22
		-197.66	-714.98	-0.02	0.0	200.9	-4.86	-1.04	-7.12	-1.27	-714.98	-197.66
256	8	16.84	106.09	-0.12	0.0	0.0	10.89	0.08	-1.03	-0.08	106.09	-7.14
		-7.14	-100.15	0.07	0.0	200.9	10.89	0.08	-1.03	-0.08	-100.15	16.84
256	9	16.84	106.09	-0.12	0.0	0.0	10.89	0.08	-1.03	-0.08	106.09	-7.14
		-7.14	-100.15	0.07	0.0	200.9	10.89	0.08	-1.03	-0.08	-100.15	16.84
256	10	1.67	145.27	-0.18	0.0	0.0	-1.63	-0.18	-1.45	-0.51	145.27	1.67
		-35.64	-145.30	7.14e-03	0.0	200.9	-1.63	-0.18	-1.45	-0.51	-145.30	-35.64
256	11	3.89	235.51	-0.36	0.0	0.0	-1.55	-0.34	-2.35	-0.44	235.51	3.89
		-64.67	-235.68	-6.22e-03	0.0	200.9	-1.55	-0.34	-2.35	-0.44	-235.68	-64.67
256	12	2.53	8.10	-4.70e-04	0.0	0.0	-0.76	0.04	0.07	-0.08	-6.83	-4.72
		-4.72	-6.83	-8.91e-04	0.0	200.9	-0.76	0.04	0.07	-0.08	8.10	2.53
256	13	733.19	1246.50	-2.36	-100.45	0.0	-43.27	46.14	-12.34	-3.79	1246.50	-1391.11
		-2211.22	-1233.16	0.02	0.0	200.9	-43.27	-54.31	-12.34	-3.79	-1233.16	-2211.22
257	1	318.51	83.93	0.02	10.58	0.0	-1.61	-4.10	-0.83	0.18	83.93	79.69
		-79.73	-83.36	-1.14e-03	0.0	200.9	0.64	6.48	-0.83	0.18	-83.36	318.51
257	2	1553.57	244.98	0.02	81.06	0.0	-8.11	-38.77	-2.44	0.21	244.98	1200.58
		-658.43	-245.24	-3.27e-03	0.0	200.9	9.13	42.29	-2.44	0.21	-245.24	1553.57
257	3	3039.11	479.22	0.04	158.56	0.0	-15.87	-75.84	-4.77	0.41	479.22	2348.60
		-1288.04	-479.73	-6.40e-03	0.0	200.9	17.87	82.72	-4.77	0.41	-479.73	3039.11
257	4	40.90	573.76	-0.36	0.0	0.0	0.81	0.31	-5.75	0.71	573.76	-48.85
		-48.85	-581.76	0.21	0.0	200.9	0.81	0.31	-5.75	0.71	-581.76	40.90
257	5	40.90	573.76	-0.36	0.0	0.0	0.81	0.31	-5.75	0.71	573.76	-48.85
		-48.85	-581.76	0.21	0.0	200.9	0.81	0.31	-5.75	0.71	-581.76	40.90
257	6	7.03	807.53	-0.63	0.0	0.0	1.16	-0.70	-8.05	-1.36	807.53	7.03
		-137.15	-809.88	0.03	0.0	200.9	1.16	-0.70	-8.05	-1.36	-809.88	-137.15
257	7	14.04	1246.33	-1.19	0.0	0.0	1.61	-1.14	-12.40	-0.94	1246.33	14.04
		-217.57	-1244.74	-0.02	0.0	200.9	1.61	-1.14	-12.40	-0.94	-1244.74	-217.57
257	8	13.01	182.64	-0.12	0.0	0.0	0.26	0.10	-1.83	0.23	182.64	-15.53
		-15.53	-185.18	0.07	0.0	200.9	0.26	0.10	-1.83	0.23	-185.18	13.01
257	9	13.01	182.64	-0.12	0.0	0.0	0.26	0.10	-1.83	0.23	182.64	-15.53
		-15.53	-185.18	0.07	0.0	200.9	0.26	0.10	-1.83	0.23	-185.18	13.01
257	10	2.26	268.31	-0.20	0.0	0.0	0.40	-0.25	-2.67	-0.45	268.31	2.26
		-48.09	-269.07	8.69e-03	0.0	200.9	0.40	-0.25	-2.67	-0.45	-269.07	-48.09
257	11	4.47	409.55	-0.38	0.0	0.0	0.61	-0.39	-4.07	-0.32	409.55	4.47
		-74.46	-409.11	-6.96e-03	0.0	200.9	0.61	-0.39	-4.07	-0.32	-409.11	-74.46
257	12	5.19	0.98	-1.91e-03	0.0	0.0	0.03	0.08	0.01	0.01	-1.79	-10.72
		-10.72	-1.79	-8.14e-04	0.0	200.9	0.03	0.08	0.01	0.01	0.98	5.19
257	13	1513.28	2849.36	-2.53	-200.90	0.0	1.74	94.76	-28.39	-2.92	2849.36	-2960.03
		-4103.45	-2854.17	0.04	0.0	200.9	1.74	-106.14	-28.39	-2.92	-2854.17	-4103.45
258	1	344.21	295.33	0.02	10.58	0.0	-1.90	-3.84	2.94	-0.13	-296.08	52.36
		-87.17	-296.08	3.98e-03	0.0	200.9	0.35	6.74	2.94	-0.13	295.33	344.21
258	2	1577.00	772.66	-0.02	81.06	0.0	-8.77	-38.32	7.69	-0.29	-772.60	1132.41

		-680.80	-772.60	0.01	0.0	200.9	8.47	42.74	7.69	-0.29	772.66	1577.00
258	3	3084.96	1511.49	-0.05	158.56	0.0	-17.16	-74.95	15.05	-0.57	-1511.38	2215.24
		-1331.79	-1511.38	0.02	0.0	200.9	16.58	83.61	15.05	-0.57	1511.49	3084.96
258	4	-6.47	469.77	-0.33	0.0	0.0	-0.47	0.24	-4.72	0.93	469.77	-6.47
		-49.08	-477.88	0.21	0.0	200.9	-0.47	0.24	-4.72	0.93	-477.88	-49.08
258	5	-6.47	469.77	-0.33	0.0	0.0	-0.47	0.24	-4.72	0.93	469.77	-6.47
		-49.08	-477.88	0.21	0.0	200.9	-0.47	0.24	-4.72	0.93	-477.88	-49.08
258	6	5.99	597.10	-0.66	0.0	0.0	1.00	-0.85	-5.95	-1.19	597.10	5.99
		-166.40	-599.00	0.02	0.0	200.9	1.00	-0.85	-5.95	-1.19	-599.00	-166.40
258	7	12.41	688.56	-1.20	0.0	0.0	1.65	-1.28	-6.84	-0.82	688.56	12.41
		-247.83	-686.58	-0.02	0.0	200.9	1.65	-1.28	-6.84	-0.82	-686.58	-247.83
258	8	-2.06	149.76	-0.10	0.0	0.0	-0.15	0.08	-1.50	0.29	149.76	-2.06
		-15.60	-152.33	0.07	0.0	200.9	-0.15	0.08	-1.50	0.29	-152.33	-15.60
258	9	-2.06	149.76	-0.10	0.0	0.0	-0.15	0.08	-1.50	0.29	149.76	-2.06
		-15.60	-152.33	0.07	0.0	200.9	-0.15	0.08	-1.50	0.29	-152.33	-15.60
258	10	1.93	200.53	-0.21	0.0	0.0	0.37	-0.30	-2.00	-0.39	200.53	1.93
		-58.72	-201.14	7.79e-03	0.0	200.9	0.37	-0.30	-2.00	-0.39	-201.14	-58.72
258	11	3.95	227.85	-0.38	0.0	0.0	0.62	-0.44	-2.27	-0.27	227.85	3.95
		-85.74	-227.27	-6.21e-03	0.0	200.9	0.62	-0.44	-2.27	-0.27	-227.27	-85.74
258	12	1.26	0.87	-6.36e-04	0.0	0.0	-0.02	0.02	0.01	0.03	-1.55	-3.30
		-3.30	-1.55	-7.52e-04	0.0	200.9	-0.02	0.02	0.01	0.03	0.87	1.26
258	13	1567.11	2842.20	-2.63	-200.90	0.0	2.01	93.55	-28.29	-1.25	2842.20	-2792.98
		-4178.38	-2840.95	0.04	0.0	200.9	2.01	-107.35	-28.29	-1.25	-2840.95	-4178.38
259	1	357.84	285.32	0.01	10.58	0.0	29.15	-3.54	2.77	-0.09	-272.11	7.34
		-111.36	-272.11	-4.18e-03	0.0	200.9	31.40	7.03	2.77	-0.09	285.32	357.84
259	2	898.23	669.74	-0.04	40.53	0.0	34.99	-17.64	6.58	-0.20	-652.34	371.39
		-399.97	-652.34	-9.36e-03	0.0	200.9	43.62	22.89	6.58	-0.20	669.74	898.23
259	3	1757.14	1310.15	-0.08	79.28	0.0	68.46	-34.51	12.87	-0.39	-1276.11	726.51
		-782.43	-1276.11	-0.02	0.0	200.9	85.33	44.77	12.87	-0.39	1310.15	1757.14
259	4	11.06	252.10	-0.29	0.0	0.0	-37.84	-0.33	-2.43	0.74	252.10	11.06
		-56.76	-236.19	0.21	0.0	200.9	-37.84	-0.33	-2.43	0.74	-236.19	-56.76
259	5	11.06	252.10	-0.29	0.0	0.0	-37.84	-0.33	-2.43	0.74	252.10	11.06
		-56.76	-236.19	0.21	0.0	200.9	-37.84	-0.33	-2.43	0.74	-236.19	-56.76
259	6	8.04	256.90	-0.67	0.0	0.0	4.68	-0.97	-2.56	-1.23	256.90	8.04
		-189.07	-257.54	0.02	0.0	200.9	4.68	-0.97	-2.56	-1.23	-257.54	-189.07
259	7	14.63	286.58	-1.17	0.0	0.0	-6.70	-1.42	2.85	-0.92	-285.97	14.63
		-274.30	-285.97	-0.02	0.0	200.9	-6.70	-1.42	2.85	-0.92	286.58	-274.30
259	8	3.52	80.40	-0.09	0.0	0.0	-12.03	-0.10	-0.78	0.23	80.40	3.52
		-18.05	-75.36	0.07	0.0	200.9	-12.03	-0.10	-0.78	0.23	-75.36	-18.05
259	9	3.52	80.40	-0.09	0.0	0.0	-12.03	-0.10	-0.78	0.23	80.40	3.52
		-18.05	-75.36	0.07	0.0	200.9	-12.03	-0.10	-0.78	0.23	-75.36	-18.05
259	10	2.56	88.25	-0.21	0.0	0.0	1.50	-0.34	-0.88	-0.40	88.25	2.56
		-66.24	-88.49	6.49e-03	0.0	200.9	1.50	-0.34	-0.88	-0.40	-88.49	-66.24
259	11	4.67	99.46	-0.37	0.0	0.0	-2.18	-0.48	0.99	-0.30	-99.23	4.67
		-94.26	-99.23	-6.58e-03	0.0	200.9	-2.18	-0.48	0.99	-0.30	99.46	-94.26
259	12	1.02	5.33	1.05e-04	0.0	0.0	0.34	-8.18e-03	0.05	-8.72e-03	-4.52	1.02
		-0.62	-4.52	-6.94e-04	0.0	200.9	0.34	-8.18e-03	0.05	-8.72e-03	5.33	-0.62
259	13	857.47	1322.46	-2.68	-100.45	0.0	-98.16	42.05	-13.38	-1.17	1322.46	-907.41
		-2549.06	-1365.65	0.02	0.0	200.9	-98.16	-58.40	-13.38	-1.17	-1365.65	-2549.06
260	1	361.92	232.22	0.01	10.58	0.0	30.38	-3.50	-2.38	0.09	232.22	3.14
		-112.97	-245.84	3.70e-03	0.0	200.9	32.63	7.07	-2.38	0.09	-245.84	361.92
260	2	903.70	555.86	-0.04	40.53	0.0	36.95	-17.56	-5.62	0.11	555.86	360.16
		-403.89	-573.94	8.19e-03	0.0	200.9	45.58	22.97	-5.62	0.11	-573.94	903.70
260	3	1767.83	1087.39	-0.08	79.28	0.0	72.29	-34.35	-11.00	0.21	1087.39	704.55
		-790.10	-1122.74	0.02	0.0	200.9	89.16	44.93	-11.00	0.21	-1122.74	1767.83
260	4	-5.83	325.55	-0.27	0.0	0.0	36.42	0.25	-3.16	0.68	325.55	-5.83
		-50.66	-308.38	0.21	0.0	200.9	36.42	0.25	-3.16	0.68	-308.38	-50.66
260	5	-5.83	325.55	-0.27	0.0	0.0	36.42	0.25	-3.16	0.68	325.55	-5.83
		-50.66	-308.38	0.21	0.0	200.9	36.42	0.25	-3.16	0.68	-308.38	-50.66
260	6	7.88	538.63	-0.69	0.0	0.0	-5.71	-1.02	-5.36	-1.31	538.63	7.88
		-199.16	-538.88	0.02	0.0	200.9	-5.71	-1.02	-5.36	-1.31	-538.88	-199.16
260	7	15.67	578.82	-1.16	0.0	0.0	-5.54	-1.47	-5.77	-0.89	578.82	15.67
		-283.61	-579.42	-0.02	0.0	200.9	-5.54	-1.47	-5.77	-0.89	-579.42	-283.61
260	8	-1.86	103.72	-0.09	0.0	0.0	11.58	0.08	-1.01	0.22	103.72	-1.86
		-16.11	-98.27	0.07	0.0	200.9	11.58	0.08	-1.01	0.22	-98.27	-16.11
260	9	-1.86	103.72	-0.09	0.0	0.0	11.58	0.08	-1.01	0.22	103.72	-1.86
		-16.11	-98.27	0.07	0.0	200.9	11.58	0.08	-1.01	0.22	-98.27	-16.11
260	10	2.51	185.09	-0.22	0.0	0.0	-1.82	-0.36	-1.84	-0.42	185.09	2.51
		-69.98	-185.23	7.60e-03	0.0	200.9	-1.82	-0.36	-1.84	-0.42	-185.23	-69.98
260	11	5.00	201.83	-0.37	0.0	0.0	-1.77	-0.50	-2.01	-0.28	201.83	5.00
		-97.71	-202.09	-6.21e-03	0.0	200.9	-1.77	-0.50	-2.01	-0.28	-202.09	-97.71
260	12	0.40	6.67	-2.38e-04	0.0	0.0	-0.46	4.90e-03	0.06	-0.02	-5.82	-0.58
		-0.58	-5.82	-6.76e-04	0.0	200.9	-0.46	4.90e-03	0.06	-0.02	6.67	0.40
260	13	863.96	385.42	-2.71	-100.45	0.0	-109.23	41.80	-3.63	-1.91	385.42	-878.98
		-2570.78	-343.03	-6.15e-03	0.0	200.9	-109.23	-58.65	-3.63	-1.91	-343.03	-2570.78
261	1	369.61	216.40	0.02	10.58	0.0	-1.89	-3.58	-2.15	0.13	216.40	26.05

		-94.82	-215.49	-2.91e-03	0.0	200.9	0.36	7.00	-2.15	0.13	-215.49	369.61
261	2	1606.67	579.45	-0.03	81.06	0.0	-8.76	-37.83	-5.77	0.23	579.45	1065.21
		-701.60	-578.99	7.79e-03	0.0	200.9	8.49	43.22	-5.77	0.23	-578.99	1606.67
261	3	3142.98	1133.53	-0.06	158.56	0.0	-17.13	-74.01	-11.28	0.45	1133.53	2083.79
		-1372.49	-1132.62	0.02	0.0	200.9	16.61	84.55	-11.28	0.45	-1132.62	3142.98
261	4	-6.31	569.52	-0.24	0.0	0.0	0.63	0.22	-5.71	0.83	569.52	-6.31
		-43.69	-578.59	0.21	0.0	200.9	0.63	0.22	-5.71	0.83	-578.59	-43.69
261	5	-6.31	569.52	-0.24	0.0	0.0	0.63	0.22	-5.71	0.83	569.52	-6.31
		-43.69	-578.59	0.21	0.0	200.9	0.63	0.22	-5.71	0.83	-578.59	-43.69
261	6	7.58	864.96	-0.75	0.0	0.0	0.92	-1.14	-8.63	-1.35	864.96	7.58
		-226.41	-868.25	0.03	0.0	200.9	0.92	-1.14	-8.63	-1.35	-868.25	-226.41
261	7	13.66	818.46	-1.18	0.0	0.0	1.54	-1.54	-8.15	0.94	818.46	13.66
		-301.81	-818.42	-0.02	0.0	200.9	1.54	-1.54	-8.15	0.94	-818.42	-301.81
261	8	-2.01	181.54	-0.08	0.0	0.0	0.20	0.07	-1.82	0.26	181.54	-2.01
		-13.89	-184.42	0.07	0.0	200.9	0.20	0.07	-1.82	0.26	-184.42	-13.89
261	9	-2.01	181.54	-0.08	0.0	0.0	0.20	0.07	-1.82	0.26	181.54	-2.01
		-13.89	-184.42	0.07	0.0	200.9	0.20	0.07	-1.82	0.26	-184.42	-13.89
261	10	2.46	291.72	-0.24	0.0	0.0	0.31	-0.41	-2.91	-0.43	291.72	2.46
		-80.82	-292.75	9.01e-03	0.0	200.9	0.31	-0.41	-2.91	-0.43	-292.75	-80.82
261	11	4.37	277.14	-0.38	0.0	0.0	0.58	-0.54	-2.76	0.30	277.14	4.37
		-105.85	-277.22	-6.21e-03	0.0	200.9	0.58	-0.54	-2.76	0.30	-277.22	-105.85
261	12	0.76	2.91	-4.21e-04	0.0	0.0	0.02	9.58e-03	0.03	5.05e-03	-3.49	-1.17
		-1.17	-3.49	-5.68e-04	0.0	200.9	0.02	9.58e-03	0.03	5.05e-03	2.91	0.76
261	13	1609.32	903.93	-2.82	-200.90	0.0	2.98	92.13	-9.03	-1.92	903.93	-2625.66
		-4297.02	-909.26	0.01	0.0	200.9	2.98	-108.77	-9.03	-1.92	-909.26	-4297.02
262	1	364.20	161.78	0.02	10.58	0.0	-1.85	-3.65	1.62	-0.11	-162.71	35.99
		-89.91	-162.71	2.21e-03	0.0	200.9	0.40	6.92	1.62	-0.11	161.78	364.20
262	2	1597.07	435.64	-0.03	81.06	0.0	-8.65	-38.02	4.34	-0.13	-436.03	1093.56
		-690.20	-436.03	5.86e-03	0.0	200.9	8.60	43.03	4.34	-0.13	435.64	1597.07
262	3	3124.20	852.21	-0.05	158.56	0.0	-16.92	-74.38	8.49	-0.25	-852.97	2139.24
		-1350.17	-852.97	0.01	0.0	200.9	16.82	84.18	8.49	-0.25	852.21	3124.20
262	4	18.31	534.86	-0.20	0.0	0.0	-0.49	-0.29	-5.37	0.88	534.86	18.31
		-43.83	-543.98	0.21	0.0	200.9	-0.49	-0.29	-5.37	0.88	-543.98	-43.83
262	5	18.31	534.86	-0.20	0.0	0.0	-0.49	-0.29	-5.37	0.88	534.86	18.31
		-43.83	-543.98	0.21	0.0	200.9	-0.49	-0.29	-5.37	0.88	-543.98	-43.83
262	6	8.64	579.05	-0.79	0.0	0.0	0.53	-1.19	-5.78	-1.28	579.05	8.64
		-236.22	-581.70	0.02	0.0	200.9	0.53	-1.19	-5.78	-1.28	-581.70	-236.22
262	7	11.52	587.93	-1.15	0.0	0.0	1.31	-1.54	5.84	1.15	-585.47	11.52
		-302.20	-585.47	-0.02	0.0	200.9	1.31	-1.54	5.84	1.15	587.93	-302.20
262	8	5.82	170.50	-0.06	0.0	0.0	-0.16	-0.09	-1.71	0.28	170.50	5.82
		-13.94	-173.40	0.07	0.0	200.9	-0.16	-0.09	-1.71	0.28	-173.40	-13.94
262	9	5.82	170.50	-0.06	0.0	0.0	-0.16	-0.09	-1.71	0.28	170.50	5.82
		-13.94	-173.40	0.07	0.0	200.9	-0.16	-0.09	-1.71	0.28	-173.40	-13.94
262	10	2.79	193.60	-0.25	0.0	0.0	0.18	-0.42	-1.93	-0.41	193.60	2.79
		-84.30	-194.43	7.72e-03	0.0	200.9	0.18	-0.42	-1.93	-0.41	-194.43	-84.30
262	11	3.67	200.91	-0.37	0.0	0.0	0.49	-0.54	2.00	0.37	-200.13	3.67
		-106.42	-200.13	-7.76e-03	0.0	200.9	0.49	-0.54	2.00	0.37	200.91	-106.42
262	12	0.83	2.56	-6.43e-05	0.0	0.0	-0.01	-6.15e-03	0.03	6.27e-03	-2.97	0.83
		-0.41	-2.97	-4.75e-04	0.0	200.9	-0.01	-6.15e-03	0.03	6.27e-03	2.56	-0.41
262	13	1576.22	890.68	-2.88	-200.90	0.0	2.06	92.55	-8.85	-0.55	890.68	-2695.43
		-4282.97	-887.25	0.01	0.0	200.9	2.06	-108.35	-8.85	-0.55	-887.25	-4282.97
263	1	351.69	224.76	0.01	10.58	0.0	27.31	-3.65	2.18	-0.10	-212.35	23.37
		-102.49	-212.35	-3.34e-03	0.0	200.9	29.56	6.92	2.18	-0.10	224.76	351.69
263	2	883.50	517.10	-0.04	40.53	0.0	30.57	-17.95	5.07	-0.13	-501.64	419.50
		-379.35	-501.64	-7.24e-03	0.0	200.9	39.19	22.57	5.07	-0.13	517.10	883.50
263	3	1728.31	1011.55	-0.07	79.28	0.0	59.80	-35.12	9.92	-0.26	-981.31	820.63
		-742.10	-981.31	-0.01	0.0	200.9	76.66	44.16	9.92	-0.26	1011.55	1728.31
263	4	11.39	300.24	-0.16	0.0	0.0	-37.24	-0.22	-2.91	-0.76	300.24	11.39
		-35.03	-284.76	0.21	0.0	200.9	-37.24	-0.22	-2.91	-0.76	-284.76	-35.03
263	5	11.39	300.24	-0.16	0.0	0.0	-37.24	-0.22	-2.91	-0.76	300.24	11.39
		-35.03	-284.76	0.21	0.0	200.9	-37.24	-0.22	-2.91	-0.76	-284.76	-35.03
263	6	9.39	337.43	-0.81	0.0	0.0	4.64	-1.18	3.36	-1.33	-336.64	9.39
		-230.91	-336.64	0.02	0.0	200.9	4.64	-1.18	3.36	-1.33	337.43	-230.91
263	7	12.35	469.42	-1.10	0.0	0.0	-6.61	-1.48	4.67	1.24	-468.98	12.35
		-288.15	-468.98	-0.02	0.0	200.9	-6.61	-1.48	4.67	1.24	469.42	-288.15
263	8	3.62	95.65	-0.05	0.0	0.0	-11.84	-0.07	-0.93	-0.24	95.65	3.62
		-11.14	-90.74	0.07	0.0	200.9	-11.84	-0.07	-0.93	-0.24	-90.74	-11.14
263	9	3.62	95.65	-0.05	0.0	0.0	-11.84	-0.07	-0.93	-0.24	95.65	3.62
		-11.14	-90.74	0.07	0.0	200.9	-11.84	-0.07	-0.93	-0.24	-90.74	-11.14
263	10	3.00	120.54	-0.26	0.0	0.0	1.48	-0.41	1.20	-0.42	-120.24	3.00
		-81.26	-120.24	6.24e-03	0.0	200.9	1.48	-0.41	1.20	-0.42	120.54	-81.26
263	11	3.93	166.18	-0.35	0.0	0.0	-2.13	-0.51	1.65	0.40	-165.95	3.93
		-100.41	-165.95	-7.35e-03	0.0	200.9	-2.13	-0.51	1.65	0.40	166.18	-100.41
263	12	0.71	3.60	-1.06e-04	0.0	0.0	0.17	-5.76e-03	0.03	-0.01	-3.18	0.71
		-0.45	-3.18	-3.88e-04	0.0	200.9	0.17	-5.76e-03	0.03	-0.01	3.60	-0.45
263	13	790.27	442.41	-2.89	-100.45	0.0	-89.48	42.62	-4.59	-0.31	442.41	-1024.00

		-2552.75	-480.34	8.34e-03	0.0	200.9	-89.48	-57.83	-4.59	-0.31	-480.34	-2552.75
264	1	349.72	220.39	0.01	10.58	0.0	28.29	-3.67	-2.26	0.05	220.39	24.38
		-102.60	-233.08	3.52e-03	0.0	200.9	30.54	6.91	-2.26	0.05	-233.08	349.72
264	2	879.54	523.48	-0.04	40.53	0.0	31.76	-17.99	-5.29	0.08	523.48	423.56
		-378.80	-539.28	7.71e-03	0.0	200.9	40.38	22.53	-5.29	0.08	-539.28	879.54
264	3	1720.56	1024.04	-0.07	79.28	0.0	62.13	-35.20	-10.35	0.15	1024.04	828.58
		-741.01	-1054.95	0.02	0.0	200.9	79.00	44.08	-10.35	0.15	-1054.95	1720.56
264	4	25.99	336.78	-0.14	0.0	0.0	36.76	0.13	-3.27	-0.74	336.78	-10.14
		-10.14	-320.46	0.21	0.0	200.9	36.76	0.13	-3.27	-0.74	-320.46	25.99
264	5	25.99	336.78	-0.14	0.0	0.0	36.76	0.13	-3.27	-0.74	336.78	-10.14
		-10.14	-320.46	0.21	0.0	200.9	36.76	0.13	-3.27	-0.74	-320.46	25.99
264	6	8.90	474.28	-0.83	0.0	0.0	-6.15	-1.18	-4.72	-1.43	474.28	8.90
		-231.32	-474.26	0.02	0.0	200.9	-6.15	-1.18	-4.72	-1.43	-474.26	-231.32
264	7	13.09	339.39	-1.08	0.0	0.0	-5.14	-1.46	-3.38	1.20	339.39	13.09
		-284.35	-340.08	-0.02	0.0	200.9	-5.14	-1.46	-3.38	1.20	-340.08	-284.35
264	8	8.27	107.14	-0.04	0.0	0.0	11.69	0.04	-1.04	-0.24	107.14	-3.23
		-3.23	-101.96	0.07	0.0	200.9	11.69	0.04	-1.04	-0.24	-101.96	8.27
264	9	8.27	107.14	-0.04	0.0	0.0	11.69	0.04	-1.04	-0.24	107.14	-3.23
		-3.23	-101.96	0.07	0.0	200.9	11.69	0.04	-1.04	-0.24	-101.96	8.27
264	10	2.84	157.66	-0.26	0.0	0.0	-1.97	-0.41	-1.57	-0.46	157.66	2.84
		-81.27	-157.71	7.28e-03	0.0	200.9	-1.97	-0.41	-1.57	-0.46	-157.71	-81.27
264	11	4.16	119.60	-0.34	0.0	0.0	-1.65	-0.51	-1.19	0.39	119.60	4.16
		-99.05	-119.91	-6.20e-03	0.0	200.9	-1.65	-0.51	-1.19	0.39	-119.91	-99.05
264	12	0.31	3.39	-3.93e-04	0.0	0.0	-0.20	5.12e-03	0.03	-0.01	-2.95	-0.72
		-0.72	-2.95	-3.50e-04	0.0	200.9	-0.20	5.12e-03	0.03	-0.01	3.39	0.31
264	13	788.09	120.65	-2.91	-100.45	0.0	-95.49	42.70	-1.01	-0.88	120.65	-1033.74
		-2545.22	-83.16	-2.58e-03	0.0	200.9	-95.49	-57.75	-1.01	-0.88	-83.16	-2545.22
265	1	353.55	189.08	0.02	10.58	0.0	-1.84	-3.74	-1.88	0.09	189.08	42.86
		-89.61	-188.25	-2.54e-03	0.0	200.9	0.41	6.83	-1.88	0.09	-188.25	353.55
265	2	1576.02	504.58	-0.03	81.06	0.0	-8.63	-38.25	-5.02	0.11	504.58	1118.99
		-688.00	-504.30	6.84e-03	0.0	200.9	8.61	42.80	-5.02	0.11	-504.30	1576.02
265	3	3083.03	987.07	-0.06	158.56	0.0	-16.89	-74.83	-9.82	0.22	987.07	2188.98
		-1345.88	-986.53	0.01	0.0	200.9	16.85	83.73	-9.82	0.22	-986.53	3083.03
265	4	16.77	621.62	-0.10	0.0	0.0	0.61	0.11	-6.23	0.91	621.62	-14.66
		-14.66	-630.70	0.21	0.0	200.9	0.61	0.11	-6.23	0.91	-630.70	16.77
265	5	16.77	621.62	-0.10	0.0	0.0	0.61	0.11	-6.23	0.91	621.62	-14.66
		-14.66	-630.70	0.21	0.0	200.9	0.61	0.11	-6.23	0.91	-630.70	16.77
265	6	8.32	713.83	-0.90	0.0	0.0	0.65	-1.22	-7.13	-1.47	713.83	8.32
		-240.98	-718.31	0.03	0.0	200.9	0.65	-1.22	-7.13	-1.47	-718.31	-240.98
265	7	11.57	415.99	-1.08	0.0	0.0	0.80	-1.43	-4.15	1.20	415.99	11.57
		-280.20	-418.14	-0.02	0.0	200.9	0.80	-1.43	-4.15	1.20	-418.14	-280.20
265	8	5.33	197.71	-0.03	0.0	0.0	0.19	0.04	-1.98	0.29	197.71	-4.66
		-4.66	-200.60	0.07	0.0	200.9	0.19	0.04	-1.98	0.29	-200.60	5.33
265	9	5.33	197.71	-0.03	0.0	0.0	0.19	0.04	-1.98	0.29	197.71	-4.66
		-4.66	-200.60	0.07	0.0	200.9	0.19	0.04	-1.98	0.29	-200.60	5.33
265	10	2.66	233.82	-0.29	0.0	0.0	0.21	-0.43	-2.33	-0.48	233.82	2.66
		-85.28	-235.22	8.25e-03	0.0	200.9	0.21	-0.43	-2.33	-0.48	-235.22	-85.28
265	11	3.70	142.12	-0.35	0.0	0.0	0.30	-0.50	-1.42	0.39	142.12	3.70
		-98.71	-142.81	-6.20e-03	0.0	200.9	0.30	-0.50	-1.42	0.39	-142.81	-98.71
265	12	0.82	0.99	-6.29e-04	0.0	0.0	0.01	0.01	0.01	1.23e-03	-1.26	-1.80
		-1.80	-1.26	-2.35e-04	0.0	200.9	0.01	0.01	0.01	1.23e-03	0.99	0.82
265	13	1558.53	331.96	-2.96	-200.90	0.0	2.45	93.05	-3.33	-0.80	331.96	-2757.60
		-4243.48	-336.18	5.32e-03	0.0	200.9	2.45	-107.85	-3.33	-0.80	-336.18	-4243.48
266	1	354.37	189.29	0.02	10.58	0.0	-1.86	-3.72	1.89	-0.12	-190.21	38.84
		-91.82	-190.21	2.58e-03	0.0	200.9	0.39	6.86	1.89	-0.12	189.29	354.37
266	2	1578.32	510.99	-0.03	81.06	0.0	-8.67	-38.19	5.09	-0.21	-511.35	1108.07
		-692.32	-511.35	6.88e-03	0.0	200.9	8.57	42.87	5.09	-0.21	510.99	1578.32
266	3	3087.52	999.60	-0.06	158.56	0.0	-16.97	-74.70	9.95	-0.40	-1000.31	2167.61
		-1354.32	-1000.31	0.01	0.0	200.9	16.77	83.86	9.95	-0.40	999.60	3087.52
266	4	12.80	625.76	-0.06	0.0	0.0	-0.53	-0.13	-6.27	0.96	625.76	12.80
		-14.60	-634.64	0.21	0.0	200.9	-0.53	-0.13	-6.27	0.96	-634.64	-14.60
266	5	12.80	625.76	-0.06	0.0	0.0	-0.53	-0.13	-6.27	0.96	625.76	12.80
		-14.60	-634.64	0.21	0.0	200.9	-0.53	-0.13	-6.27	0.96	-634.64	-14.60
266	6	9.83	656.42	-0.94	0.0	0.0	0.32	-1.26	6.52	-1.29	-653.34	9.83
		-246.35	-653.34	0.02	0.0	200.9	0.32	-1.26	6.52	-1.29	656.42	-246.35
266	7	9.97	634.86	-1.05	0.0	0.0	0.70	-1.37	6.30	1.34	-630.34	9.97
		-268.88	-630.34	-0.02	0.0	200.9	0.70	-1.37	6.30	1.34	634.86	-268.88
266	8	4.07	199.00	-0.02	0.0	0.0	-0.17	-0.04	-2.00	0.30	199.00	4.07
		-4.64	-201.83	0.07	0.0	200.9	-0.17	-0.04	-2.00	0.30	-201.83	-4.64
266	9	4.07	199.00	-0.02	0.0	0.0	-0.17	-0.04	-2.00	0.30	199.00	4.07
		-4.64	-201.83	0.07	0.0	200.9	-0.17	-0.04	-2.00	0.30	-201.83	-4.64
266	10	3.14	236.53	-0.30	0.0	0.0	0.11	-0.44	2.35	-0.42	-235.55	3.14
		-86.81	-235.55	6.24e-03	0.0	200.9	0.11	-0.44	2.35	-0.42	236.53	-86.81
266	11	3.19	218.11	-0.33	0.0	0.0	0.25	-0.48	2.16	0.43	-216.75	3.19
		-94.71	-216.75	-7.99e-03	0.0	200.9	0.25	-0.48	2.16	0.43	218.11	-94.71
266	12	0.32	0.55	-4.48e-04	0.0	0.0	1.86e-03	5.65e-03	5.86e-03	4.67e-03	-0.63	-0.81

		-0.81	-0.63	-1.28e-04	0.0	200.9	1.86e-03	5.65e-03	5.86e-03	4.67e-03	0.55	0.32
266	13	1570.14	319.33	-2.97	-200.90	0.0	2.35	92.88	-3.16	0.39	319.33	-2730.89
		-4251.28	-315.33	4.76e-03	0.0	200.9	2.35	-108.02	-3.16	0.39	-315.33	-4251.28
267	1	350.04	237.23	0.01	10.58	0.0	27.59	-3.62	2.30	-0.08	-224.66	15.64
		-108.09	-224.66	-3.49e-03	0.0	200.9	29.84	6.95	2.30	-0.08	237.23	350.04
267	2	881.18	551.29	-0.04	40.53	0.0	31.50	-17.88	5.41	-0.13	-535.37	401.53
		-390.48	-535.37	-7.67e-03	0.0	200.9	40.12	22.65	5.41	-0.13	551.29	881.18
267	3	1723.78	1078.43	-0.09	79.28	0.0	61.62	-34.97	10.58	-0.25	-1047.29	785.47
		-763.86	-1047.29	-0.02	0.0	200.9	78.49	44.31	10.58	-0.25	1078.43	1723.78
267	4	10.14	344.22	5.09e-03	0.0	0.0	-36.95	-0.08	-3.35	-0.84	344.22	10.14
		-6.65	-329.20	0.21	0.0	200.9	-36.95	-0.08	-3.35	-0.84	-329.20	-6.65
267	5	10.14	344.22	5.09e-03	0.0	0.0	-36.95	-0.08	-3.35	-0.84	344.22	10.14
		-6.65	-329.20	0.21	0.0	200.9	-36.95	-0.08	-3.35	-0.84	-329.20	-6.65
267	6	11.52	398.94	-0.96	0.0	0.0	-4.73	-1.28	3.97	-1.28	-397.97	11.52
		-248.56	-397.97	0.02	0.0	200.9	-4.73	-1.28	3.97	-1.28	398.94	-248.56
267	7	10.95	473.80	-0.97	0.0	0.0	-6.35	-1.30	4.72	1.38	-473.71	10.95
		-252.30	-473.71	-0.02	0.0	200.9	-6.35	-1.30	4.72	1.38	473.80	-252.30
267	8	3.22	109.47	1.62e-03	0.0	0.0	-11.75	-0.03	-1.07	-0.27	109.47	3.22
		-2.11	-104.70	0.07	0.0	200.9	-11.75	-0.03	-1.07	-0.27	-104.70	-2.11
267	9	3.22	109.47	1.62e-03	0.0	0.0	-11.75	-0.03	-1.07	-0.27	109.47	3.22
		-2.11	-104.70	0.07	0.0	200.9	-11.75	-0.03	-1.07	-0.27	-104.70	-2.11
267	10	3.67	147.52	-0.30	0.0	0.0	-1.51	-0.44	1.47	-0.41	-147.15	3.67
		-86.40	-147.15	6.24e-03	0.0	200.9	-1.51	-0.44	1.47	-0.41	147.52	-86.40
267	11	3.49	162.81	-0.31	0.0	0.0	-2.04	-0.45	1.62	0.45	-162.71	3.49
		-87.73	-162.71	-7.30e-03	0.0	200.9	-2.04	-0.45	1.62	0.45	162.81	-87.73
267	12	0.08	7.25e-03	-2.74e-04	0.0	0.0	-0.01	-8.03e-04	-1.21e-04	1.34e-03	7.25e-03	0.08
		-0.08	-0.02	-2.06e-05	0.0	200.9	-0.01	-8.03e-04	-1.21e-04	1.34e-03	-0.02	-0.08
267	13	813.53	178.23	-2.94	-100.45	0.0	-93.33	42.38	-1.97	0.35	178.23	-979.71
		-2556.52	-216.67	4.64e-03	0.0	200.9	-93.33	-58.07	-1.97	0.35	-216.67	-2556.52
268	1	349.96	221.70	0.01	10.58	0.0	28.70	-3.62	-2.27	0.08	221.70	15.58
		-108.16	-234.52	3.56e-03	0.0	200.9	30.95	6.95	-2.27	0.08	-234.52	349.96
268	2	880.97	528.40	-0.04	40.53	0.0	32.89	-17.88	-5.34	0.12	528.40	401.47
		-390.60	-544.64	7.83e-03	0.0	200.9	41.51	22.65	-5.34	0.12	-544.64	880.97
268	3	1723.36	1033.66	-0.09	79.28	0.0	64.34	-34.97	-10.45	0.24	1033.66	785.36
		-764.10	-1065.43	0.02	0.0	200.9	81.21	44.31	-10.45	0.24	-1065.43	1723.36
268	4	6.49	339.24	-5.00e-03	0.0	0.0	36.93	0.08	-3.30	-0.84	339.24	-9.91
		-9.91	-323.86	0.21	0.0	200.9	36.93	0.08	-3.30	-0.84	-323.86	6.49
268	5	6.49	339.24	-5.00e-03	0.0	0.0	36.93	0.08	-3.30	-0.84	339.24	-9.91
		-9.91	-323.86	0.21	0.0	200.9	36.93	0.08	-3.30	-0.84	-323.86	6.49
268	6	10.98	466.91	-0.97	0.0	0.0	-6.52	-1.30	-4.65	-1.38	466.91	10.98
		-252.35	-467.01	0.02	0.0	200.9	-6.52	-1.30	-4.65	-1.38	-467.01	-252.35
268	7	11.53	391.09	-0.96	0.0	0.0	-4.79	-1.28	-3.90	1.29	391.09	11.53
		-248.80	-392.09	-0.02	0.0	200.9	-4.79	-1.28	-3.90	1.29	-392.09	-248.80
268	8	2.06	107.89	-1.59e-03	0.0	0.0	11.74	0.03	-1.05	-0.27	107.89	-3.15
		-3.15	-103.00	0.07	0.0	200.9	11.74	0.03	-1.05	-0.27	-103.00	2.06
268	9	2.06	107.89	-1.59e-03	0.0	0.0	11.74	0.03	-1.05	-0.27	107.89	-3.15
		-3.15	-103.00	0.07	0.0	200.9	11.74	0.03	-1.05	-0.27	-103.00	2.06
268	10	3.50	160.31	-0.31	0.0	0.0	-2.09	-0.45	-1.60	-0.44	160.31	3.50
		-87.75	-160.42	7.31e-03	0.0	200.9	-2.09	-0.45	-1.60	-0.44	-160.42	-87.75
268	11	3.67	144.56	-0.30	0.0	0.0	-1.52	-0.44	-1.44	0.41	144.56	3.67
		-86.51	-144.95	-6.20e-03	0.0	200.9	-1.52	-0.44	-1.44	0.41	-144.95	-86.51
268	12	0.08	7.50e-03	-2.74e-04	0.0	0.0	-0.01	-8.18e-04	2.82e-05	-1.31e-03	1.84e-03	0.08
		-0.08	1.84e-03	2.16e-05	0.0	200.9	-0.01	-8.18e-04	2.82e-05	-1.31e-03	7.50e-03	-0.08
268	13	813.81	214.30	-2.94	-100.45	0.0	-96.87	42.38	1.94	-0.33	-175.10	-979.56
		-2556.09	-175.10	-3.62e-03	0.0	200.9	-96.87	-58.07	1.94	-0.33	214.30	-2556.09
269	1	354.36	192.14	0.02	10.58	0.0	-1.85	-3.72	-1.91	0.12	192.14	38.68
		-91.92	-191.31	2.60e-03	0.0	200.9	0.40	6.86	-1.91	0.12	-191.31	354.36
269	2	1578.08	515.98	-0.03	81.06	0.0	-8.66	-38.19	-5.14	0.21	515.98	1107.91
		-692.52	-515.72	7.04e-03	0.0	200.9	8.58	42.87	-5.14	0.21	-515.72	1578.08
269	3	3087.06	1009.36	-0.06	158.56	0.0	-16.95	-74.70	-10.05	0.41	1009.36	2167.30
		-1354.71	-1008.86	0.01	0.0	200.9	16.79	83.86	-10.05	0.41	-1008.86	3087.06
269	4	14.62	625.58	0.06	0.0	0.0	0.59	0.13	-6.27	0.96	625.58	-12.94
		-12.94	-634.52	0.21	0.0	200.9	0.59	0.13	-6.27	0.96	-634.52	14.62
269	5	14.62	625.58	0.06	0.0	0.0	0.59	0.13	-6.27	0.96	625.58	-12.94
		-12.94	-634.52	0.21	0.0	200.9	0.59	0.13	-6.27	0.96	-634.52	14.62
269	6	9.94	632.21	-1.05	0.0	0.0	0.71	-1.37	-6.32	-1.33	632.21	9.94
		-269.36	-636.75	0.02	0.0	200.9	0.71	-1.37	-6.32	-1.33	-636.75	-269.36
269	7	9.82	652.74	-0.94	0.0	0.0	0.32	-1.26	-6.51	1.29	652.74	9.82
		-247.92	-655.88	-0.02	0.0	200.9	0.32	-1.26	-6.51	1.29	-655.88	-247.92
269	8	4.65	198.95	0.02	0.0	0.0	0.19	0.04	-1.99	0.30	198.95	-4.11
		-4.11	-201.79	0.07	0.0	200.9	0.19	0.04	-1.99	0.30	-201.79	4.65
269	9	4.65	198.95	0.02	0.0	0.0	0.19	0.04	-1.99	0.30	198.95	-4.11
		-4.11	-201.79	0.07	0.0	200.9	0.19	0.04	-1.99	0.30	-201.79	4.65
269	10	3.17	217.38	-0.33	0.0	0.0	0.25	-0.48	-2.17	-0.43	217.38	3.17
		-94.89	-218.76	8.04e-03	0.0	200.9	0.25	-0.48	-2.17	-0.43	-218.76	-94.89
269	11	3.13	235.40	-0.30	0.0	0.0	0.11	-0.44	-2.35	0.42	235.40	3.13

		-87.45	-236.39	-6.19e-03	0.0	200.9	0.11	-0.44	-2.35	0.42	-236.39	-87.45
269	12	0.32	0.63	-4.47e-04	0.0	0.0	1.88e-03	5.59e-03	-5.92e-03	-4.67e-03	0.63	-0.80
		-0.80	-0.55	1.29e-04	0.0	200.9	1.88e-03	5.59e-03	-5.92e-03	-4.67e-03	-0.55	0.32
269	13	1570.53	312.70	-2.97	-200.90	0.0	2.33	92.88	3.13	-0.39	-316.38	-2730.50
		-4250.88	-316.38	4.43e-03	0.0	200.9	2.33	-108.02	3.13	-0.39	312.70	-4250.88
270	1	353.57	186.22	0.02	10.58	0.0	-1.85	-3.74	1.86	-0.09	-187.14	42.96
		-89.54	-187.14	2.54e-03	0.0	200.9	0.40	6.83	1.86	-0.09	186.22	353.57
270	2	1576.29	499.56	-0.03	81.06	0.0	-8.64	-38.25	4.98	-0.11	-499.94	1119.01
		-687.86	-499.94	6.73e-03	0.0	200.9	8.60	42.80	4.98	-0.11	499.56	1576.29
270	3	3083.56	977.24	-0.06	158.56	0.0	-16.91	-74.83	9.73	-0.22	-978.00	2189.02
		-1345.60	-978.00	0.01	0.0	200.9	16.83	83.73	9.73	-0.22	977.24	3083.56
270	4	14.53	621.74	0.10	0.0	0.0	-0.54	-0.11	-6.23	0.91	621.74	14.53
		-16.74	-630.76	0.21	0.0	200.9	-0.54	-0.11	-6.23	0.91	-630.76	-16.74
270	5	14.53	621.74	0.10	0.0	0.0	-0.54	-0.11	-6.23	0.91	621.74	14.53
		-16.74	-630.76	0.21	0.0	200.9	-0.54	-0.11	-6.23	0.91	-630.76	-16.74
270	6	11.47	416.44	-1.08	0.0	0.0	0.80	-1.43	4.14	-1.19	-414.30	11.47
		-280.65	-414.30	0.02	0.0	200.9	0.80	-1.43	4.14	-1.19	416.44	-280.65
270	7	8.25	716.22	-0.90	0.0	0.0	0.64	-1.23	7.11	1.47	-711.74	8.25
		-242.56	-711.74	-0.03	0.0	200.9	0.64	-1.23	7.11	1.47	716.22	-242.56
270	8	4.62	197.75	0.03	0.0	0.0	-0.17	-0.04	-1.98	0.29	197.75	4.62
		-5.32	-200.62	0.07	0.0	200.9	-0.17	-0.04	-1.98	0.29	-200.62	-5.32
270	9	4.62	197.75	0.03	0.0	0.0	-0.17	-0.04	-1.98	0.29	197.75	4.62
		-5.32	-200.62	0.07	0.0	200.9	-0.17	-0.04	-1.98	0.29	-200.62	-5.32
270	10	3.66	142.22	-0.35	0.0	0.0	0.30	-0.50	1.41	-0.39	-141.54	3.66
		-98.89	-141.54	6.25e-03	0.0	200.9	0.30	-0.50	1.41	-0.39	142.22	-98.89
270	11	2.63	234.57	-0.29	0.0	0.0	0.21	-0.43	2.33	0.48	-233.17	2.63
		-85.93	-233.17	-8.21e-03	0.0	200.9	0.21	-0.43	2.33	0.48	234.57	-85.93
270	12	0.82	1.26	-6.28e-04	0.0	0.0	0.01	0.01	-0.01	-1.27e-03	1.26	-1.80
		-1.80	-1.00	2.36e-04	0.0	200.9	0.01	0.01	-0.01	-1.27e-03	-1.00	0.82
270	13	1558.30	333.99	-2.96	-200.90	0.0	2.47	93.05	3.30	0.80	-329.45	-2757.64
		-4243.93	-329.45	4.38e-03	0.0	200.9	2.47	-107.85	3.30	0.80	333.99	-4243.93
271	1	349.78	235.77	0.01	10.58	0.0	27.20	-3.67	2.29	-0.05	-223.34	24.43
		-102.54	-223.34	-3.45e-03	0.0	200.9	29.45	6.91	2.29	-0.05	235.77	349.78
271	2	879.72	545.86	-0.04	40.53	0.0	30.42	-17.99	5.36	-0.08	-530.37	423.63
		-378.68	-530.37	-7.54e-03	0.0	200.9	39.04	22.53	5.36	-0.08	545.86	879.72
271	3	1720.92	1067.82	-0.07	79.28	0.0	59.51	-35.20	10.48	-0.15	-1037.53	828.72
		-740.78	-1037.53	-0.01	0.0	200.9	76.38	44.08	10.48	-0.15	1067.82	1720.92
271	4	10.39	341.74	0.14	0.0	0.0	-36.79	-0.13	-3.32	-0.75	341.74	10.39
		-25.92	-325.81	0.21	0.0	200.9	-36.79	-0.13	-3.32	-0.75	-325.81	-25.92
271	5	10.39	341.74	0.14	0.0	0.0	-36.79	-0.13	-3.32	-0.75	341.74	10.39
		-25.92	-325.81	0.21	0.0	200.9	-36.79	-0.13	-3.32	-0.75	-325.81	-25.92
271	6	13.09	345.01	-1.08	0.0	0.0	-5.13	-1.46	3.43	-1.19	-344.35	13.09
		-284.59	-344.35	0.02	0.0	200.9	-5.13	-1.46	3.43	-1.19	345.01	-284.59
271	7	8.90	480.55	-0.83	0.0	0.0	-6.01	-1.18	4.78	1.43	-480.57	8.90
		-231.65	-480.57	-0.02	0.0	200.9	-6.01	-1.18	4.78	1.43	480.55	-231.65
271	8	3.30	108.72	0.04	0.0	0.0	-11.70	-0.04	-1.06	-0.24	108.72	3.30
		-8.24	-103.66	0.07	0.0	200.9	-11.70	-0.04	-1.06	-0.24	-103.66	-8.24
271	9	3.30	108.72	0.04	0.0	0.0	-11.70	-0.04	-1.06	-0.24	108.72	3.30
		-8.24	-103.66	0.07	0.0	200.9	-11.70	-0.04	-1.06	-0.24	-103.66	-8.24
271	10	4.16	121.67	-0.34	0.0	0.0	-1.65	-0.51	1.21	-0.39	-121.38	4.16
		-99.15	-121.38	6.25e-03	0.0	200.9	-1.65	-0.51	1.21	-0.39	121.67	-99.15
271	11	2.84	159.85	-0.26	0.0	0.0	-1.93	-0.41	1.59	0.46	-159.81	2.84
		-81.42	-159.81	-7.26e-03	0.0	200.9	-1.93	-0.41	1.59	0.46	159.85	-81.42
271	12	0.32	2.95	-3.97e-04	0.0	0.0	-0.18	5.26e-03	-0.03	0.01	2.95	-0.74
		-0.74	-3.38	3.51e-04	0.0	200.9	-0.18	5.26e-03	-0.03	0.01	-3.38	0.32
271	13	787.85	85.13	-2.91	-100.45	0.0	-92.05	42.70	1.03	0.89	-121.91	-1033.94
		-2545.51	-121.91	2.95e-03	0.0	200.9	-92.05	-57.75	1.03	0.89	85.13	-2545.51
272	1	351.56	209.59	0.01	10.58	0.0	28.40	-3.65	-2.15	0.09	209.59	23.35
		-102.55	-222.25	3.41e-03	0.0	200.9	30.65	6.92	-2.15	0.09	-222.25	351.56
272	2	883.21	495.22	-0.04	40.53	0.0	31.91	-17.96	-5.01	0.13	495.22	419.57
		-379.44	-510.98	7.41e-03	0.0	200.9	40.53	22.57	-5.01	0.13	-510.98	883.21
272	3	1727.75	968.75	-0.07	79.28	0.0	62.42	-35.13	-9.80	0.25	968.75	820.76
		-742.27	-999.59	0.01	0.0	200.9	79.29	44.16	-9.80	0.25	-999.59	1727.75
272	4	34.90	295.96	0.16	0.0	0.0	37.23	0.22	-2.87	-0.75	295.96	-11.13
		-11.13	-280.10	0.21	0.0	200.9	37.23	0.22	-2.87	-0.75	-280.10	34.90
272	5	34.90	295.96	0.16	0.0	0.0	37.23	0.22	-2.87	-0.75	295.96	-11.13
		-11.13	-280.10	0.21	0.0	200.9	37.23	0.22	-2.87	-0.75	-280.10	34.90
272	6	12.42	461.40	-1.10	0.0	0.0	-6.78	-1.48	-4.60	-1.23	461.40	12.42
		-288.16	-461.86	0.02	0.0	200.9	-6.78	-1.48	-4.60	-1.23	-461.86	-288.16
272	7	9.40	331.70	-0.81	0.0	0.0	4.71	-1.18	-3.31	1.33	331.70	9.40
		-230.89	-332.52	-0.02	0.0	200.9	4.71	-1.18	-3.31	1.33	-332.52	-230.89
272	8	11.10	94.28	0.05	0.0	0.0	11.84	0.07	-0.91	-0.24	94.28	-3.54
		-3.54	-89.25	0.07	0.0	200.9	11.84	0.07	-0.91	-0.24	-89.25	11.10
272	9	11.10	94.28	0.05	0.0	0.0	11.84	0.07	-0.91	-0.24	94.28	-3.54
		-3.54	-89.25	0.07	0.0	200.9	11.84	0.07	-0.91	-0.24	-89.25	11.10
272	10	3.96	163.23	-0.35	0.0	0.0	-2.18	-0.51	-1.63	-0.40	163.23	3.96

		-100.41	-163.46	7.36e-03	0.0	200.9	-2.18	-0.51	-1.63	-0.40	-163.46	-100.41
272	11	3.00	118.48	-0.26	0.0	0.0	1.50	-0.41	-1.18	0.43	118.48	3.00
		-81.26	-118.79	-6.19e-03	0.0	200.9	1.50	-0.41	-1.18	0.43	-118.79	-81.26
272	12	0.69	3.20	-1.09e-04	0.0	0.0	0.19	-5.64e-03	-0.03	0.01	3.20	0.69
		-0.44	-3.62	3.89e-04	0.0	200.9	0.19	-5.64e-03	-0.03	0.01	-3.62	-0.44
272	13	790.49	475.12	-2.89	-100.45	0.0	-92.87	42.62	4.54	0.33	-436.42	-1024.14
		-2552.08	-436.42	-7.28e-03	0.0	200.9	-92.87	-57.83	4.54	0.33	475.12	-2552.08
273	1	364.13	164.69	0.02	10.58	0.0	-1.84	-3.65	-1.64	0.11	164.69	35.94
		-89.97	-163.85	2.25e-03	0.0	200.9	0.41	6.92	-1.64	0.11	-163.85	364.13
273	2	1596.72	440.78	-0.03	81.06	0.0	-8.64	-38.02	-4.39	0.13	440.78	1093.69
		-690.31	-440.51	6.07e-03	0.0	200.9	8.61	43.03	-4.39	0.13	-440.51	1596.72
273	3	3123.52	862.27	-0.05	158.56	0.0	-16.90	-74.38	-8.58	0.26	862.27	2139.48
		-1350.39	-861.72	0.01	0.0	200.9	16.84	84.18	-8.58	0.26	-861.72	3123.52
273	4	43.83	534.80	0.20	0.0	0.0	0.56	0.29	-5.37	0.88	534.80	-18.42
		-18.42	-543.98	0.21	0.0	200.9	0.56	0.29	-5.37	0.88	-543.98	43.83
273	5	43.83	534.80	0.20	0.0	0.0	0.56	0.29	-5.37	0.88	534.80	-18.42
		-18.42	-543.98	0.21	0.0	200.9	0.56	0.29	-5.37	0.88	-543.98	43.83
273	6	11.80	585.34	-1.15	0.0	0.0	1.32	-1.53	-5.84	-1.15	585.34	11.80
		-301.93	-587.85	0.02	0.0	200.9	1.32	-1.53	-5.84	-1.15	-587.85	-301.93
273	7	8.46	579.83	-0.79	0.0	0.0	0.53	-1.20	5.76	1.28	-577.15	8.46
		-236.42	-577.15	-0.02	0.0	200.9	0.53	-1.20	5.76	1.28	579.83	-236.42
273	8	13.94	170.48	0.06	0.0	0.0	0.18	0.09	-1.71	0.28	170.48	-5.86
		-5.86	-173.40	0.07	0.0	200.9	0.18	0.09	-1.71	0.28	-173.40	13.94
273	9	13.94	170.48	0.06	0.0	0.0	0.18	0.09	-1.71	0.28	170.48	-5.86
		-5.86	-173.40	0.07	0.0	200.9	0.18	0.09	-1.71	0.28	-173.40	13.94
273	10	3.80	200.13	-0.37	0.0	0.0	0.50	-0.54	-2.00	-0.37	200.13	3.80
		-106.30	-200.93	7.80e-03	0.0	200.9	0.50	-0.54	-2.00	-0.37	-200.93	-106.30
273	11	2.71	193.86	-0.25	0.0	0.0	0.18	-0.43	1.93	0.41	-193.02	2.71
		-84.39	-193.02	-7.67e-03	0.0	200.9	0.18	-0.43	1.93	0.41	193.86	-84.39
273	12	0.84	2.97	-6.24e-05	0.0	0.0	-0.01	-6.23e-03	-0.03	-6.23e-03	2.97	0.84
		-0.41	-2.56	4.76e-04	0.0	200.9	-0.01	-6.23e-03	-0.03	-6.23e-03	-2.56	-0.41
273	13	1576.37	886.53	-2.88	-200.90	0.0	2.04	92.55	8.84	0.55	-889.64	-2695.76
		-4282.21	-889.64	0.01	0.0	200.9	2.04	-108.35	8.84	0.55	886.53	-4282.21
274	1	369.61	213.45	0.02	10.58	0.0	-1.90	-3.58	2.13	-0.13	-214.45	26.24
		-94.69	-214.45	2.91e-03	0.0	200.9	0.35	7.00	2.13	-0.13	213.45	369.61
274	2	1606.90	574.23	-0.03	81.06	0.0	-8.77	-37.83	5.72	-0.23	-574.80	1065.47
		-701.36	-574.80	7.75e-03	0.0	200.9	8.48	43.22	5.72	-0.23	574.23	1606.90
274	3	3143.43	1123.32	-0.06	158.56	0.0	-17.15	-74.01	11.19	-0.45	-1124.43	2084.28
		-1372.01	-1124.43	0.02	0.0	200.9	16.58	84.55	11.19	-0.45	1123.32	3143.43
274	4	43.67	569.62	0.24	0.0	0.0	-0.56	-0.22	-5.72	0.83	569.62	6.20
		6.20	-578.63	0.21	0.0	200.9	-0.56	-0.22	-5.72	0.83	-578.63	43.67
274	5	43.67	569.62	0.24	0.0	0.0	-0.56	-0.22	-5.72	0.83	569.62	6.20
		6.20	-578.63	0.21	0.0	200.9	-0.56	-0.22	-5.72	0.83	-578.63	43.67
274	6	13.86	817.33	-1.17	0.0	0.0	1.53	-1.54	8.14	0.94	-817.40	13.86
		-301.70	-817.40	0.02	0.0	200.9	1.53	-1.54	8.14	0.94	817.33	-301.70
274	7	7.30	867.28	-0.75	0.0	0.0	0.91	-1.15	8.62	1.35	-864.03	7.30
		-226.75	-864.03	-0.03	0.0	200.9	0.91	-1.15	8.62	1.35	867.28	-226.75
274	8	13.88	181.57	0.08	0.0	0.0	-0.18	-0.07	-1.82	0.26	181.57	1.97
		1.97	-184.44	0.07	0.0	200.9	-0.18	-0.07	-1.82	0.26	-184.44	13.88
274	9	13.88	181.57	0.08	0.0	0.0	-0.18	-0.07	-1.82	0.26	181.57	1.97
		1.97	-184.44	0.07	0.0	200.9	-0.18	-0.07	-1.82	0.26	-184.44	13.88
274	10	4.46	276.86	-0.37	0.0	0.0	0.58	-0.54	2.76	0.30	-276.79	4.46
		-105.82	-276.79	6.25e-03	0.0	200.9	0.58	-0.54	2.76	0.30	276.86	-105.82
274	11	2.33	292.54	-0.24	0.0	0.0	0.31	-0.41	2.91	0.43	-291.53	2.33
		-80.96	-291.53	-8.97e-03	0.0	200.9	0.31	-0.41	2.91	0.43	292.54	-80.96
274	12	0.75	3.50	-4.20e-04	0.0	0.0	0.02	9.51e-03	-0.03	-5.11e-03	3.50	-1.16
		-1.16	-2.92	5.69e-04	0.0	200.9	0.02	9.51e-03	-0.03	-5.11e-03	-2.92	0.75
274	13	1608.86	909.73	-2.82	-200.90	0.0	3.00	92.13	9.03	1.92	-904.06	-2626.29
		-4297.26	-904.06	-0.01	0.0	200.9	3.00	-108.77	9.03	1.92	909.73	-4297.26
275	1	362.06	248.69	0.01	10.58	0.0	29.19	-3.50	2.41	-0.09	-235.34	3.16
		-112.91	-235.34	-3.63e-03	0.0	200.9	31.44	7.07	2.41	-0.09	248.69	362.06
275	2	903.99	580.96	-0.04	40.53	0.0	35.38	-17.56	5.70	-0.11	-563.23	360.10
		-403.80	-563.23	-8.04e-03	0.0	200.9	44.00	22.97	5.70	-0.11	580.96	903.99
275	3	1768.40	1136.47	-0.08	79.28	0.0	69.20	-34.34	11.14	-0.22	-1101.80	704.43
		-789.92	-1101.80	-0.02	0.0	200.9	86.07	44.94	11.14	-0.22	1136.47	1768.40
275	4	50.57	330.49	0.27	0.0	0.0	-36.47	-0.25	-3.21	0.68	330.49	6.00
		6.00	-313.74	0.21	0.0	200.9	-36.47	-0.25	-3.21	0.68	-313.74	50.57
275	5	50.57	330.49	0.27	0.0	0.0	-36.47	-0.25	-3.21	0.68	330.49	6.00
		6.00	-313.74	0.21	0.0	200.9	-36.47	-0.25	-3.21	0.68	-313.74	50.57
275	6	15.66	589.15	-1.16	0.0	0.0	-5.51	-1.47	5.86	0.88	-588.60	15.66
		-283.71	-588.60	0.02	0.0	200.9	-5.51	-1.47	5.86	0.88	589.15	-283.71
275	7	7.86	546.95	-0.69	0.0	0.0	-5.57	-1.02	5.44	1.31	-546.72	7.86
		-199.18	-546.72	-0.02	0.0	200.9	-5.57	-1.02	5.44	1.31	546.95	-199.18
275	8	16.08	105.29	0.09	0.0	0.0	-11.59	-0.08	-1.02	0.22	105.29	1.91
		1.91	-99.98	0.07	0.0	200.9	-11.59	-0.08	-1.02	0.22	-99.98	16.08
275	9	16.08	105.29	0.09	0.0	0.0	-11.59	-0.08	-1.02	0.22	105.29	1.91

		1.91	-99.98	0.07	0.0	200.9	-11.59	-0.08	-1.02	0.22	-99.98	16.08
275	10	5.00	205.51	-0.37	0.0	0.0	-1.76	-0.50	2.04	0.28	-205.26	5.00
		-97.74	-205.26	6.26e-03	0.0	200.9	-1.76	-0.50	2.04	0.28	205.51	-97.74
275	11	2.50	188.10	-0.22	0.0	0.0	-1.78	-0.36	1.87	0.42	-187.97	2.50
		-70.00	-187.97	-7.59e-03	0.0	200.9	-1.78	-0.36	1.87	0.42	188.10	-70.00
275	12	0.42	5.81	-2.43e-04	0.0	0.0	-0.42	5.08e-03	-0.06	0.02	5.81	-0.60
		-0.60	-6.66	6.77e-04	0.0	200.9	-0.42	5.08e-03	-0.06	0.02	-6.66	0.42
275	13	863.83	349.95	-2.71	-100.45	0.0	-105.19	41.80	3.69	1.93	-391.56	-878.85
		-2571.24	-391.56	6.54e-03	0.0	200.9	-105.19	-58.65	3.69	1.93	349.95	-2571.24
276	1	357.83	268.47	0.01	10.58	0.0	30.34	-3.54	-2.74	0.08	268.47	7.18
		-111.47	-281.94	4.24e-03	0.0	200.9	32.59	7.03	-2.74	0.08	-281.94	357.83
276	2	898.09	643.68	-0.04	40.53	0.0	36.56	-17.64	-6.50	0.19	643.68	371.08
		-400.21	-661.43	9.52e-03	0.0	200.9	45.18	22.89	-6.50	0.19	-661.43	898.09
276	3	1756.85	1259.17	-0.08	79.28	0.0	71.51	-34.51	-12.71	0.38	1259.17	725.91
		-782.89	-1293.89	0.02	0.0	200.9	88.38	44.77	-12.71	0.38	-1293.89	1756.85
276	4	56.68	248.50	0.29	0.0	0.0	37.84	0.33	-2.39	0.73	248.50	-10.92
		-10.92	-232.19	0.21	0.0	200.9	37.84	0.33	-2.39	0.73	-232.19	56.68
276	5	56.68	248.50	0.29	0.0	0.0	37.84	0.33	-2.39	0.73	248.50	-10.92
		-10.92	-232.19	0.21	0.0	200.9	37.84	0.33	-2.39	0.73	-232.19	56.68
276	6	14.64	281.57	-1.17	0.0	0.0	-6.85	-1.42	-2.81	0.92	281.57	14.64
		-274.19	-282.20	0.02	0.0	200.9	-6.85	-1.42	-2.81	0.92	-282.20	-274.19
276	7	8.02	253.23	-0.67	0.0	0.0	4.78	-0.97	2.52	1.24	-252.57	8.02
		-188.96	-252.57	-0.02	0.0	200.9	4.78	-0.97	2.52	1.24	253.23	-188.96
276	8	18.02	79.25	0.09	0.0	0.0	12.03	0.10	-0.76	0.23	79.25	-3.47
		-3.47	-74.08	0.07	0.0	200.9	12.03	0.10	-0.76	0.23	-74.08	18.02
276	9	18.02	79.25	0.09	0.0	0.0	12.03	0.10	-0.76	0.23	79.25	-3.47
		-3.47	-74.08	0.07	0.0	200.9	12.03	0.10	-0.76	0.23	-74.08	18.02
276	10	4.66	97.67	-0.37	0.0	0.0	-2.22	-0.48	-0.97	0.30	97.67	4.66
		-94.21	-97.91	6.61e-03	0.0	200.9	-2.22	-0.48	-0.97	0.30	-97.91	-94.21
276	11	2.56	86.97	-0.21	0.0	0.0	1.52	-0.34	0.86	0.40	-86.72	2.56
		-66.20	-86.72	-6.43e-03	0.0	200.9	1.52	-0.34	0.86	0.40	86.97	-66.20
276	12	1.01	4.57	1.03e-04	0.0	0.0	0.38	-8.09e-03	-0.05	9.12e-03	4.57	1.01
		-0.61	-5.38	6.96e-04	0.0	200.9	0.38	-8.09e-03	-0.05	9.12e-03	-5.38	-0.61
276	13	858.08	1349.41	-2.68	-100.45	0.0	-102.03	42.05	13.21	1.19	-1305.34	-906.64
		-2548.64	-1305.34	-0.02	0.0	200.9	-102.03	-58.40	13.21	1.19	1349.41	-2548.64
277	1	344.32	298.01	0.02	10.58	0.0	-1.90	-3.83	-2.96	0.13	298.01	52.03
		-87.34	-297.35	4.06e-03	0.0	200.9	0.35	6.74	-2.96	0.13	-297.35	344.32
277	2	1576.80	777.17	-0.02	81.06	0.0	-8.76	-38.31	-7.74	0.29	777.17	1131.85
		-681.18	-777.33	0.01	0.0	200.9	8.49	42.74	-7.74	0.29	-777.33	1576.80
277	3	3084.56	1520.31	-0.05	158.56	0.0	-17.14	-74.95	-15.14	0.57	1520.31	2214.14
		-1332.54	-1520.63	0.02	0.0	200.9	16.60	83.61	-15.14	0.57	-1520.63	3084.56
277	4	49.16	469.70	0.33	0.0	0.0	0.53	-0.24	-4.72	0.92	469.70	6.21
		6.21	-477.86	0.21	0.0	200.9	0.53	-0.24	-4.72	0.92	-477.86	49.16
277	5	49.16	469.70	0.33	0.0	0.0	0.53	-0.24	-4.72	0.92	469.70	6.21
		6.21	-477.86	0.21	0.0	200.9	0.53	-0.24	-4.72	0.92	-477.86	49.16
277	6	12.39	685.97	-1.20	0.0	0.0	1.66	-1.28	6.84	0.82	-687.93	12.39
		-247.10	-687.93	0.02	0.0	200.9	1.66	-1.28	6.84	0.82	685.97	-247.10
277	7	5.85	598.00	-0.66	0.0	0.0	1.00	-0.85	5.94	1.19	-596.10	5.85
		-166.30	-596.10	-0.02	0.0	200.9	1.00	-0.85	5.94	1.19	598.00	-166.30
277	8	15.63	149.73	0.10	0.0	0.0	0.17	-0.08	-1.50	0.29	149.73	1.98
		1.98	-152.33	0.07	0.0	200.9	0.17	-0.08	-1.50	0.29	-152.33	15.63
277	9	15.63	149.73	0.10	0.0	0.0	0.17	-0.08	-1.50	0.29	149.73	1.98
		1.98	-152.33	0.07	0.0	200.9	0.17	-0.08	-1.50	0.29	-152.33	15.63
277	10	3.94	227.11	-0.38	0.0	0.0	0.62	-0.44	2.26	0.27	-227.68	3.94
		-85.43	-227.68	6.26e-03	0.0	200.9	0.62	-0.44	2.26	0.27	227.11	-85.43
277	11	1.87	200.86	-0.21	0.0	0.0	0.36	-0.30	2.00	0.39	-200.24	1.87
		-58.68	-200.24	-7.74e-03	0.0	200.9	0.36	-0.30	2.00	0.39	200.86	-58.68
277	12	1.24	1.56	-6.27e-04	0.0	0.0	-0.02	0.02	-0.01	-0.03	1.56	-3.25
		-3.25	-0.88	7.54e-04	0.0	200.9	-0.02	0.02	-0.01	-0.03	-0.88	1.24
277	13	1568.06	2843.47	-2.63	-200.90	0.0	1.99	93.55	28.31	1.25	-2844.41	-2791.61
		-4177.95	-2844.41	-0.04	0.0	200.9	1.99	-107.35	28.31	1.25	2843.47	-4177.95
278	1	318.67	81.17	0.02	10.58	0.0	-1.62	-4.10	0.81	-0.18	-81.83	79.67
		-79.68	-81.83	1.14e-03	0.0	200.9	0.63	6.48	0.81	-0.18	81.17	318.67
278	2	1553.86	240.14	0.02	81.06	0.0	-8.12	-38.77	2.39	-0.20	-239.99	1200.37
		-658.40	-239.99	3.27e-03	0.0	200.9	9.13	42.29	2.39	-0.20	240.14	1553.86
278	3	3039.68	469.77	0.04	158.56	0.0	-15.88	-75.84	4.68	-0.40	-469.47	2348.17
		-1287.96	-469.47	6.39e-03	0.0	200.9	17.86	82.72	4.68	-0.40	469.77	3039.68
278	4	48.68	573.82	0.36	0.0	0.0	-0.74	-0.31	-5.75	0.71	573.82	48.68
		-40.86	-581.78	0.21	0.0	200.9	-0.74	-0.31	-5.75	0.71	-581.78	-40.86
278	5	48.68	573.82	0.36	0.0	0.0	-0.74	-0.31	-5.75	0.71	573.82	48.68
		-40.86	-581.78	0.21	0.0	200.9	-0.74	-0.31	-5.75	0.71	-581.78	-40.86
278	6	14.03	1244.34	-1.19	0.0	0.0	1.61	-1.13	12.40	0.94	-1245.95	14.03
		-216.81	-1245.95	0.02	0.0	200.9	1.61	-1.13	12.40	0.94	1244.34	-216.81
278	7	6.87	809.07	-0.63	0.0	0.0	1.15	-0.70	8.04	1.36	-806.74	6.87
		-137.00	-806.74	-0.03	0.0	200.9	1.15	-0.70	8.04	1.36	809.07	-137.00
278	8	15.48	182.66	0.12	0.0	0.0	-0.24	-0.10	-1.83	0.23	182.66	15.48

		-12.99	-185.19	0.07	0.0	200.9	-0.24	-0.10	-1.83	0.23	-185.19	-12.99
278	9	15.48	182.66	0.12	0.0	0.0	-0.24	-0.10	-1.83	0.23	182.66	15.48
		-12.99	-185.19	0.07	0.0	200.9	-0.24	-0.10	-1.83	0.23	-185.19	-12.99
278	10	4.46	408.94	-0.38	0.0	0.0	0.61	-0.39	4.07	0.32	-409.39	4.46
		-74.16	-409.39	6.97e-03	0.0	200.9	0.61	-0.39	4.07	0.32	408.94	-74.16
278	11	2.19	268.78	-0.20	0.0	0.0	0.40	-0.24	2.67	0.45	-268.03	2.19
		-48.02	-268.03	-8.65e-03	0.0	200.9	0.40	-0.24	2.67	0.45	268.78	-48.02
278	12	5.17	1.80	-1.91e-03	0.0	0.0	0.03	0.08	-0.01	-0.01	1.80	-10.69
		-10.69	-0.99	8.16e-04	0.0	200.9	0.03	0.08	-0.01	-0.01	-0.99	5.17
278	13	1513.38	2860.71	-2.53	-200.90	0.0	1.74	94.75	28.45	2.92	-2855.57	-2959.50
		-4103.79	-2855.57	-0.04	0.0	200.9	1.74	-106.15	28.45	2.92	2860.71	-4103.79
279	1	280.72	184.65	7.22e-03	10.58	0.0	17.17	-4.23	1.80	-0.37	-176.47	67.67
		-101.42	-176.47	-2.59e-03	0.0	200.9	19.42	6.35	1.80	-0.37	184.65	280.72
279	2	772.07	421.54	-0.04	40.53	0.0	9.15	-19.24	4.17	-0.47	-415.44	567.05
		-348.19	-415.44	-5.50e-03	0.0	200.9	17.77	21.28	4.17	-0.47	421.54	772.07
279	3	1510.33	824.63	-0.08	79.28	0.0	17.89	-37.64	8.15	-0.93	-812.69	1109.28
		-681.14	-812.69	-0.01	0.0	200.9	34.76	41.64	8.15	-0.93	824.63	1510.33
279	4	23.04	338.81	0.39	0.0	0.0	-34.36	-0.25	-3.28	-0.24	338.81	23.04
		-52.68	-320.49	0.21	0.0	200.9	-34.36	-0.25	-3.28	-0.24	-320.49	-52.68
279	5	23.04	338.81	0.39	0.0	0.0	-34.36	-0.25	-3.28	-0.24	338.81	23.04
		-52.68	-320.49	0.21	0.0	200.9	-34.36	-0.25	-3.28	-0.24	-320.49	-52.68
279	6	12.25	726.39	-1.14	0.0	0.0	-4.86	-1.04	7.23	1.28	-725.97	12.25
		-197.38	-725.97	0.02	0.0	200.9	-4.86	-1.04	7.23	1.28	726.39	-197.38
279	7	5.16	444.56	-0.56	0.0	0.0	-4.99	-0.55	4.43	1.54	-444.55	5.16
		-107.07	-444.55	-0.02	0.0	200.9	-4.99	-0.55	4.43	1.54	444.56	-107.07
279	8	7.33	107.80	0.12	0.0	0.0	-10.93	-0.08	-1.04	-0.08	107.80	7.33
		-16.75	-101.98	0.07	0.0	200.9	-10.93	-0.08	-1.04	-0.08	-101.98	-16.75
279	9	7.33	107.80	0.12	0.0	0.0	-10.93	-0.08	-1.04	-0.08	107.80	7.33
		-16.75	-101.98	0.07	0.0	200.9	-10.93	-0.08	-1.04	-0.08	-101.98	-16.75
279	10	3.90	239.40	-0.36	0.0	0.0	-1.55	-0.34	2.38	0.44	-239.25	3.90
		-64.59	-239.25	6.26e-03	0.0	200.9	-1.55	-0.34	2.38	0.44	239.40	-64.59
279	11	1.65	147.20	-0.18	0.0	0.0	-1.60	-0.18	1.47	0.51	-147.18	1.65
		-35.65	-147.18	-7.12e-03	0.0	200.9	-1.60	-0.18	1.47	0.51	147.20	-35.65
279	12	2.59	6.81	-4.95e-04	0.0	0.0	-0.71	0.04	-0.07	0.08	6.81	-4.84
		-4.84	-8.08	8.93e-04	0.0	200.9	-0.71	0.04	-0.07	0.08	-8.08	2.59
279	13	732.68	1254.92	-2.35	-100.45	0.0	-42.13	46.14	12.56	3.80	-1267.84	-1391.21
		-2212.27	-1267.84	0.02	0.0	200.9	-42.13	-54.31	12.56	3.80	1254.92	-2212.27
280	1	2052.93	245.86	2.09e-03	-29.66	0.0	350.02	-49.23	2.22	5.47	23.73	2052.93
		-4365.61	23.73	1.04e-04	0.0	100.2	356.33	-78.89	2.22	5.47	245.86	-4365.61
280	2	1663.61	513.96	0.03	0.0	0.0	275.88	-45.94	4.77	6.64	35.73	1663.61
		-2939.23	35.73	-1.85e-04	0.0	100.2	275.88	-45.94	4.77	6.64	513.96	-2939.23
280	3	3254.37	1005.41	0.05	0.0	0.0	539.68	-89.87	9.34	13.00	69.89	3254.37
		-5749.76	69.89	-3.62e-04	0.0	100.2	539.68	-89.87	9.34	13.00	1005.41	-5749.76
280	4	3822.51	632.11	0.20	0.0	0.0	-37.66	20.23	-4.30	-4.03	632.11	1796.05
		1796.05	268.40	-0.10	0.0	100.2	-37.66	20.23	-4.30	-4.03	268.40	3822.51
280	5	3822.51	632.11	0.20	0.0	0.0	-37.66	20.23	-4.30	-4.03	632.11	1796.05
		1796.05	268.40	-0.10	0.0	100.2	-37.66	20.23	-4.30	-4.03	268.40	3822.51
280	6	6232.12	499.60	0.28	0.0	0.0	-18.18	32.72	4.30	-22.82	136.22	2954.61
		2954.61	136.22	-3.69e-03	0.0	100.2	-18.18	32.72	4.30	-22.82	499.60	6232.12
280	7	1.183e+04	527.15	0.57	0.0	0.0	-36.45	62.50	6.16	-19.01	-148.26	5565.83
		5565.83	-148.26	3.63e-03	0.0	100.2	-36.45	62.50	6.16	-19.01	527.15	1.183e+04
280	8	1215.52	200.99	0.06	0.0	0.0	-11.98	6.43	-1.37	-1.28	200.99	571.12
		571.12	85.94	-0.03	0.0	100.2	-11.98	6.43	-1.37	-1.28	85.94	1215.52
280	9	1215.52	200.99	0.06	0.0	0.0	-11.98	6.43	-1.37	-1.28	200.99	571.12
		571.12	85.94	-0.03	0.0	100.2	-11.98	6.43	-1.37	-1.28	85.94	1215.52
280	10	2047.91	163.11	0.09	0.0	0.0	-6.18	10.74	1.42	-7.57	43.35	972.43
		972.43	43.35	-1.16e-03	0.0	100.2	-6.18	10.74	1.42	-7.57	163.11	2047.91
280	11	3837.13	178.40	0.18	0.0	0.0	-12.11	20.25	2.04	-6.52	-47.21	1809.38
		1809.38	-47.21	1.14e-03	0.0	100.2	-12.11	20.25	2.04	-6.52	178.40	3837.13
280	12	10.39	122.12	-2.40e-04	0.0	0.0	1.77	0.07	0.51	-1.70	70.75	3.36
		3.36	70.75	7.19e-04	0.0	100.2	1.77	0.07	0.51	-1.70	122.12	10.39
280	13	2.629e+04	874.34	1.16	0.0	0.0	-686.31	213.07	9.83	-55.25	-110.14	4945.22
		4945.22	-110.14	-1.32e-03	0.0	100.2	-686.31	213.07	9.83	-55.25	874.34	2.629e+04
281	1	1806.67	-1.15	-3.95e-03	-29.66	0.0	545.46	-80.12	-0.44	0.03	-1.15	1806.67
		-7706.35	-45.10	1.58e-05	0.0	100.2	551.77	-109.78	-0.44	0.03	-45.10	-7706.35
281	2	5597.95	-6.30	0.03	0.0	0.0	719.01	-126.20	-1.07	-0.58	-6.30	5597.95
		-7046.06	-113.66	-4.92e-05	0.0	100.2	719.01	-126.20	-1.07	-0.58	-113.66	-7046.06
281	3	1.095e+04	-12.33	0.06	0.0	0.0	1406.54	-246.87	-2.10	-1.14	-12.33	1.095e+04
		-1.378e+04	-222.35	-9.63e-05	0.0	100.2	1406.54	-246.87	-2.10	-1.14	-222.35	-1.378e+04
281	4	3136.13	555.68	0.14	0.0	0.0	-13.11	16.93	-2.92	9.74	555.68	1440.34
		1440.34	514.37	-0.10	0.0	100.2	-13.11	16.93	-2.92	9.74	514.37	3136.13
281	5	3136.13	555.68	0.14	0.0	0.0	-13.11	16.93	-2.92	9.74	555.68	1440.34
		1440.34	514.37	-0.10	0.0	100.2	-13.11	16.93	-2.92	9.74	514.37	3136.13
281	6	1.168e+04	730.09	0.35	0.0	0.0	-36.59	60.12	6.51	-18.83	125.77	5665.63
		5665.63	125.77	-3.64e-03	0.0	100.2	-36.59	60.12	6.51	-18.83	730.09	1.168e+04
281	7	1.669e+04	564.33	0.59	0.0	0.0	-57.97	86.66	5.61	-13.31	-132.42	8020.57

		8020.57	-132.42	3.57e-03	0.0	100.2	-57.97	86.66	5.61	-13.31	564.33	1.669e+04
281	8	997.12	176.68	0.05	0.0	0.0	-4.17	5.38	-0.94	3.10	176.68	457.95
		457.95	164.64	-0.03	0.0	100.2	-4.17	5.38	-0.94	3.10	164.64	997.12
281	9	997.12	176.68	0.05	0.0	0.0	-4.17	5.38	-0.94	3.10	176.68	457.95
		457.95	164.64	-0.03	0.0	100.2	-4.17	5.38	-0.94	3.10	164.64	997.12
281	10	4110.69	237.17	0.11	0.0	0.0	-12.70	21.05	2.13	-6.04	40.04	2003.40
		2003.40	40.04	-1.15e-03	0.0	100.2	-12.70	21.05	2.13	-6.04	237.17	4110.69
281	11	5758.43	192.11	0.19	0.0	0.0	-19.80	29.70	1.90	-4.29	-42.16	2787.66
		2787.66	-42.16	1.12e-03	0.0	100.2	-19.80	29.70	1.90	-4.29	192.11	5758.43
281	12	-3.84	46.21	1.17e-05	0.0	0.0	-0.68	0.05	7.17e-03	-0.34	45.49	-9.31
		-9.31	45.49	5.17e-04	0.0	100.2	-0.68	0.05	7.17e-03	-0.34	46.21	-3.84
281	13	3.741e+04	1549.03	1.34	0.0	0.0	-1774.04	416.96	15.53	-23.04	-6.55	-4368.43
		-4368.43	-6.55	-1.19e-03	0.0	100.2	-1774.04	416.96	15.53	-23.04	1549.03	3.741e+04
282	1	1304.50	8.28	-5.16e-03	-29.66	0.0	510.36	-74.26	0.07	-0.32	1.75	1304.50
		-7621.39	1.75	-1.54e-05	0.0	100.2	516.67	-103.92	0.07	-0.32	8.28	-7621.39
282	2	3822.60	19.85	0.02	0.0	0.0	633.10	-110.68	0.18	-0.44	1.66	3822.60
		-7266.57	1.66	-4.71e-05	0.0	100.2	633.10	-110.68	0.18	-0.44	19.85	-7266.57
282	3	7477.82	38.83	0.05	0.0	0.0	1238.47	-216.51	0.36	-0.85	3.25	7477.82
		-1.421e+04	3.25	-9.22e-05	0.0	100.2	1238.47	-216.51	0.36	-0.85	38.83	-1.421e+04
282	4	1780.58	596.21	0.08	0.0	0.0	6.67	9.42	-3.43	-10.62	551.81	837.28
		837.28	551.81	-0.10	0.0	100.2	6.67	9.42	-3.43	-10.62	596.21	1780.58
282	5	1780.58	596.21	0.08	0.0	0.0	6.67	9.42	-3.43	-10.62	551.81	837.28
		837.28	551.81	-0.10	0.0	100.2	6.67	9.42	-3.43	-10.62	596.21	1780.58
282	6	1.393e+04	736.64	0.41	0.0	0.0	-44.89	71.31	6.43	-20.40	125.32	6793.92
		6793.92	125.32	-3.64e-03	0.0	100.2	-44.89	71.31	6.43	-20.40	736.64	1.393e+04
282	7	1.720e+04	-129.36	0.55	0.0	0.0	-58.99	88.60	-4.66	18.01	-129.36	8330.00
		8330.00	-550.47	3.56e-03	0.0	100.2	-58.99	88.60	-4.66	18.01	-550.47	1.720e+04
282	8	566.22	190.25	0.02	0.0	0.0	2.12	3.00	-1.10	-3.38	175.45	266.25
		266.25	175.45	-0.03	0.0	100.2	2.12	3.00	-1.10	-3.38	190.25	566.22
282	9	566.22	190.25	0.02	0.0	0.0	2.12	3.00	-1.10	-3.38	175.45	266.25
		266.25	175.45	-0.03	0.0	100.2	2.12	3.00	-1.10	-3.38	190.25	566.22
282	10	4910.55	237.90	0.13	0.0	0.0	-15.79	25.00	2.09	-6.53	39.89	2407.85
		2407.85	39.89	-1.14e-03	0.0	100.2	-15.79	25.00	2.09	-6.53	237.90	4910.55
282	11	6005.66	-41.17	0.18	0.0	0.0	-20.58	30.77	-1.53	5.82	-41.17	2926.40
		2926.40	-178.80	1.12e-03	0.0	100.2	-20.58	30.77	-1.53	5.82	-178.80	6005.66
282	12	3.34	23.40	1.26e-04	0.0	0.0	-0.08	0.01	-0.05	-0.26	23.40	1.96
		1.96	18.82	2.73e-04	0.0	100.2	-0.08	0.01	-0.05	-0.26	18.82	3.34
282	13	4.016e+04	491.37	1.45	0.0	0.0	-1569.10	390.18	5.07	-8.79	-16.12	1062.54
		1062.54	-16.12	-6.31e-04	0.0	100.2	-1569.10	390.18	5.07	-8.79	491.37	4.016e+04
283	1	1674.84	2.32	-3.24e-03	-29.66	0.0	516.50	-75.82	2.95e-03	-4.52e-03	2.02	1674.84
		-7407.51	2.02	-2.48e-05	0.0	100.2	522.82	-105.48	2.95e-03	-4.52e-03	2.32	-7407.51
283	2	4690.70	3.39	0.03	0.0	0.0	651.51	-114.64	8.85e-03	-7.87e-03	2.51	4690.70
		-6795.28	2.51	-6.91e-05	0.0	100.2	651.51	-114.64	8.85e-03	-7.87e-03	3.39	-6795.28
283	3	9176.00	6.64	0.06	0.0	0.0	1274.49	-224.26	0.02	-0.02	4.90	9176.00
		-1.329e+04	4.90	-1.35e-04	0.0	100.2	1274.49	-224.26	0.02	-0.02	6.64	-1.329e+04
283	4	6.42	640.67	2.89e-04	0.0	0.0	-0.12	-0.03	-3.88	-12.07	550.72	3.00
		3.00	550.72	-0.10	0.0	100.2	-0.12	-0.03	-3.88	-12.07	640.67	6.42
283	5	6.42	640.67	2.89e-04	0.0	0.0	-0.12	-0.03	-3.88	-12.07	550.72	3.00
		3.00	550.72	-0.10	0.0	100.2	-0.12	-0.03	-3.88	-12.07	640.67	6.42
283	6	1.502e+04	628.40	0.49	0.0	0.0	-50.42	77.74	5.17	-19.75	126.24	7239.29
		7239.29	126.24	-3.65e-03	0.0	100.2	-50.42	77.74	5.17	-19.75	628.40	1.502e+04
283	7	1.503e+04	-126.96	0.49	0.0	0.0	-50.59	77.70	-5.18	19.82	-126.96	7249.27
		7249.27	-629.71	3.55e-03	0.0	100.2	-50.59	77.70	-5.18	19.82	-629.71	1.503e+04
283	8	2.04	204.07	9.18e-05	0.0	0.0	-0.04	-0.01	-1.24	-3.84	175.11	0.95
		0.95	175.11	-0.03	0.0	100.2	-0.04	-0.01	-1.24	-3.84	204.07	2.04
283	9	2.04	204.07	9.18e-05	0.0	0.0	-0.04	-0.01	-1.24	-3.84	175.11	0.95
		0.95	175.11	-0.03	0.0	100.2	-0.04	-0.01	-1.24	-3.84	204.07	2.04
283	10	5233.65	201.81	0.16	0.0	0.0	-17.55	26.95	1.67	-6.35	40.17	2535.50
		2535.50	40.17	-1.15e-03	0.0	100.2	-17.55	26.95	1.67	-6.35	201.81	5233.65
283	11	5236.83	-40.41	0.16	0.0	0.0	-17.60	26.94	-1.67	6.38	-40.41	2539.90
		2539.90	-202.23	1.12e-03	0.0	100.2	-17.60	26.94	-1.67	6.38	-202.23	5236.83
283	12	1.09	0.06	1.30e-04	0.0	0.0	-0.26	0.03	9.67e-04	9.13e-06	-0.03	-2.34
		-2.34	-0.03	0.0	0.0	100.2	-0.26	0.03	9.67e-04	9.13e-06	0.06	1.09
283	13	3.952e+04	-6.59	1.46	0.0	0.0	-1614.36	402.51	-0.02	0.05	-6.59	-810.28
		-810.28	-8.99	-3.63e-04	0.0	100.2	-1614.36	402.51	-0.02	0.05	-8.99	3.952e+04
284	1	1304.46	2.27	-5.16e-03	-29.66	0.0	510.36	-74.26	-0.06	0.31	2.27	1304.46
		-7621.40	-3.71	-3.49e-05	0.0	100.2	516.67	-103.92	-0.06	0.31	-3.71	-7621.40
284	2	3822.26	3.30	0.02	0.0	0.0	633.10	-110.68	-0.17	0.42	3.30	3822.26
		-7266.87	-13.24	-9.14e-05	0.0	100.2	633.10	-110.68	-0.17	0.42	-13.24	-7266.87
284	3	7477.15	6.46	0.05	0.0	0.0	1238.48	-216.51	-0.32	0.82	6.46	7477.15
		-1.422e+04	-25.90	-1.79e-04	0.0	100.2	1238.48	-216.51	-0.32	0.82	-25.90	-1.422e+04
284	4	-837.50	595.88	-0.08	0.0	0.0	-6.50	-9.42	-3.43	-10.62	551.88	-837.50
		-1781.35	551.88	-0.10	0.0	100.2	-6.50	-9.42	-3.43	-10.62	595.88	-1781.35
284	5	-837.50	595.88	-0.08	0.0	0.0	-6.50	-9.42	-3.43	-10.62	551.88	-837.50
		-1781.35	551.88	-0.10	0.0	100.2	-6.50	-9.42	-3.43	-10.62	595.88	-1781.35
284	6	1.721e+04	548.63	0.55	0.0	0.0	-58.84	88.57	4.65	-17.93	128.73	8347.65

		8347.65	128.73	-3.66e-03	0.0	100.2	-58.84	88.57	4.65	-17.93	548.63	1.721e+04
284	7	1.394e+04	-126.09	0.41	0.0	0.0	-45.26	71.34	-6.43	20.44	-126.09	6800.65
		6800.65	-736.60	3.54e-03	0.0	100.2	-45.26	71.34	-6.43	20.44	-736.60	1.394e+04
284	8	-266.32	190.15	-0.02	0.0	0.0	-2.07	-3.00	-1.10	-3.38	175.48	-266.32
		-566.46	175.48	-0.03	0.0	100.2	-2.07	-3.00	-1.10	-3.38	190.15	-566.46
284	9	-266.32	190.15	-0.02	0.0	0.0	-2.07	-3.00	-1.10	-3.38	175.48	-266.32
		-566.46	175.48	-0.03	0.0	100.2	-2.07	-3.00	-1.10	-3.38	190.15	-566.46
284	10	6011.11	178.21	0.18	0.0	0.0	-20.54	30.75	1.52	-5.80	40.96	2933.36
		2933.36	40.96	-1.15e-03	0.0	100.2	-20.54	30.75	1.52	-5.80	178.21	6011.11
284	11	4914.74	-40.15	0.13	0.0	0.0	-15.93	25.02	-2.09	6.54	-40.15	2410.83
		2410.83	-237.88	1.11e-03	0.0	100.2	-15.93	25.02	-2.09	6.54	-237.88	4914.74
284	12	3.35	-18.68	1.26e-04	0.0	0.0	-0.12	0.01	0.05	0.26	-23.47	1.95
		1.95	-23.47	-2.74e-04	0.0	100.2	-0.12	0.01	0.05	0.26	-18.68	3.35
284	13	4.015e+04	3.06	1.45	0.0	0.0	-1569.19	390.15	-5.12	8.90	3.06	1060.74
		1060.74	-509.82	1.65e-04	0.0	100.2	-1569.19	390.15	-5.12	8.90	-509.82	4.015e+04
285	1	1806.87	50.10	-3.94e-03	-29.66	0.0	545.46	-80.12	0.45	-0.04	5.26	1806.87
		-7706.07	5.26	-5.02e-05	0.0	100.2	551.77	-109.77	0.45	-0.04	50.10	-7706.07
285	2	5598.88	121.31	0.03	0.0	0.0	719.01	-126.19	1.10	0.56	11.47	5598.88
		-7045.00	11.47	-1.22e-04	0.0	100.2	719.01	-126.19	1.10	0.56	121.31	-7045.00
285	3	1.095e+04	237.31	0.06	0.0	0.0	1406.53	-246.86	2.14	1.10	22.45	1.095e+04
		-1.378e+04	22.45	-2.38e-04	0.0	100.2	1406.53	-246.86	2.14	1.10	237.31	-1.378e+04
285	4	-1439.95	555.83	-0.14	0.0	0.0	12.92	-16.93	-2.92	9.73	555.83	-1439.95
		-3135.59	513.82	-0.10	0.0	100.2	12.92	-16.93	-2.92	9.73	513.82	-3135.59
285	5	-1439.95	555.83	-0.14	0.0	0.0	12.92	-16.93	-2.92	9.73	555.83	-1439.95
		-3135.59	513.82	-0.10	0.0	100.2	12.92	-16.93	-2.92	9.73	513.82	-3135.59
285	6	1.668e+04	131.79	0.59	0.0	0.0	-57.78	86.65	-5.63	13.27	131.79	8012.27
		8012.27	-565.59	-3.67e-03	0.0	100.2	-57.78	86.65	-5.63	13.27	-565.59	1.668e+04
285	7	1.167e+04	-126.54	0.35	0.0	0.0	-36.74	60.16	-6.52	18.86	-126.54	5642.84
		5642.84	-730.46	3.55e-03	0.0	100.2	-36.74	60.16	-6.52	18.86	-730.46	1.167e+04
285	8	-457.83	176.73	-0.05	0.0	0.0	4.11	-5.38	-0.94	3.10	176.73	-457.83
		-996.95	164.46	-0.03	0.0	100.2	4.11	-5.38	-0.94	3.10	164.46	-996.95
285	9	-457.83	176.73	-0.05	0.0	0.0	4.11	-5.38	-0.94	3.10	176.73	-457.83
		-996.95	164.46	-0.03	0.0	100.2	4.11	-5.38	-0.94	3.10	164.46	-996.95
285	10	5754.62	41.95	0.19	0.0	0.0	-19.74	29.69	-1.91	4.28	41.95	2784.32
		2784.32	-192.59	-1.15e-03	0.0	100.2	-19.74	29.69	-1.91	4.28	-192.59	5754.62
285	11	4103.82	-40.31	0.11	0.0	0.0	-12.75	21.07	-2.13	6.05	-40.31	1994.40
		1994.40	-237.36	1.11e-03	0.0	100.2	-12.75	21.07	-2.13	6.05	-237.36	4103.82
285	12	-3.83	-45.57	1.17e-05	0.0	0.0	-0.75	0.05	-4.83e-03	0.34	-45.57	-9.32
		-9.32	-46.05	-5.18e-04	0.0	100.2	-0.75	0.05	-4.83e-03	0.34	-46.05	-3.83
285	13	3.739e+04	-7.03	1.34	0.0	0.0	-1774.12	416.87	-15.63	23.24	-7.03	-4378.64
		-4378.64	-1572.74	7.62e-04	0.0	100.2	-1774.12	416.87	-15.63	23.24	-1572.74	3.739e+04
286	1	2051.78	-20.32	2.10e-03	-29.66	0.0	350.40	-49.20	-2.22	-5.47	-20.32	2051.78
		-4363.59	-243.21	-1.56e-04	0.0	100.2	356.71	-78.86	-2.22	-5.47	-243.21	-4363.59
286	2	1655.50	-31.76	0.03	0.0	0.0	274.98	-45.73	-4.78	-6.63	-31.76	1655.50
		-2925.94	-511.00	-3.06e-04	0.0	100.2	274.98	-45.73	-4.78	-6.63	-511.00	-2925.94
286	3	3238.50	-62.12	0.05	0.0	0.0	537.92	-89.45	-9.36	-12.97	-62.12	3238.50
		-5723.75	-999.62	-5.98e-04	0.0	100.2	537.92	-89.45	-9.36	-12.97	-999.62	-5723.75
286	4	-1794.64	634.88	-0.20	0.0	0.0	37.66	-20.21	-4.28	-4.02	634.88	-1794.64
		-3819.66	272.37	-0.10	0.0	100.2	37.66	-20.21	-4.28	-4.02	272.37	-3819.66
286	5	-1794.64	634.88	-0.20	0.0	0.0	37.66	-20.21	-4.28	-4.02	634.88	-1794.64
		-3819.66	272.37	-0.10	0.0	100.2	37.66	-20.21	-4.28	-4.02	272.37	-3819.66
286	6	1.181e+04	147.82	0.57	0.0	0.0	-36.15	62.44	-6.17	19.07	147.82	5555.59
		5555.59	-527.47	-3.73e-03	0.0	100.2	-36.15	62.44	-6.17	19.07	-527.47	1.181e+04
286	7	6227.89	-137.21	0.28	0.0	0.0	-18.02	32.67	-4.29	22.86	-137.21	2955.23
		2955.23	-497.94	3.59e-03	0.0	100.2	-18.02	32.67	-4.29	22.86	-497.94	6227.89
286	8	-570.68	201.87	-0.06	0.0	0.0	11.98	-6.43	-1.36	-1.28	201.87	-570.68
		-1214.61	87.19	-0.03	0.0	100.2	11.98	-6.43	-1.36	-1.28	87.19	-1214.61
286	9	-570.68	201.87	-0.06	0.0	0.0	11.98	-6.43	-1.36	-1.28	201.87	-570.68
		-1214.61	87.19	-0.03	0.0	100.2	11.98	-6.43	-1.36	-1.28	87.19	-1214.61
286	10	3831.72	47.05	0.18	0.0	0.0	-11.99	20.23	-2.05	6.54	47.05	1805.60
		1805.60	-178.35	-1.17e-03	0.0	100.2	-11.99	20.23	-2.05	6.54	-178.35	3831.72
286	11	2046.53	-43.68	0.09	0.0	0.0	-6.12	10.72	-1.41	7.58	-43.68	972.91
		972.91	-162.50	1.13e-03	0.0	100.2	-6.12	10.72	-1.41	7.58	-162.50	2046.53
286	12	10.42	-71.00	-2.40e-04	0.0	0.0	1.72	0.07	-0.52	1.70	-71.00	3.35
		3.35	-122.99	-7.21e-04	0.0	100.2	1.72	0.07	-0.52	1.70	-122.99	10.42
286	13	2.624e+04	99.49	1.16	0.0	0.0	-684.25	212.41	-9.82	55.38	99.49	4954.01
		4954.01	-884.36	7.53e-04	0.0	100.2	-684.25	212.41	-9.82	55.38	-884.36	2.624e+04
287	1	1151.92	476.22	-0.03	-3.22	0.0	-1.41	40.90	-15.52	-3.60	476.22	-105.47
		-105.47	-9.53	2.96e-03	0.69	32.0	-1.41	37.68	-14.84	-3.60	-9.53	1151.92
287	2	2872.62	939.03	-0.10	0.0	0.0	-4.47	98.61	-26.45	-3.35	939.03	-282.90
		-282.90	92.52	6.19e-03	0.0	32.0	-4.47	98.61	-26.45	-3.35	92.52	2872.62
287	3	5619.46	1836.94	-0.19	0.0	0.0	-8.74	192.90	-51.75	-6.56	1836.94	-553.42
		-553.42	180.99	0.01	0.0	32.0	-8.74	192.90	-51.75	-6.56	180.99	5619.46
287	4	-1079.64	540.79	-3.55e-03	0.0	0.0	-30.07	3.55	-13.90	0.49	540.79	-1148.50
		-1148.50	123.44	-0.03	0.0	32.0	-30.07	3.55	-13.90	0.49	123.44	-1079.64
287	5	-1079.64	540.79	-3.55e-03	0.0	0.0	-30.07	3.55	-13.90	0.49	540.79	-1148.50

		-1148.50	123.44	-0.03	0.0	32.0	-30.07	3.55	-13.90	0.49	123.44	-1079.64
287	6	133.26	837.10	0.01	0.0	0.0	3.64	-6.04	-18.96	4.34	837.10	133.26
		-197.65	251.11	5.48e-03	0.0	32.0	3.64	-6.04	-18.96	4.34	251.11	-197.65
287	7	158.10	1349.80	0.01	0.0	0.0	3.83	-11.05	-27.87	4.70	1349.80	158.10
		-297.88	462.10	-0.01	0.0	32.0	3.83	-11.05	-27.87	4.70	462.10	-297.88
287	8	-343.26	172.14	-1.13e-03	0.0	0.0	-9.56	1.13	-4.43	0.16	172.14	-365.15
		-365.15	39.26	-9.57e-03	0.0	32.0	-9.56	1.13	-4.43	0.16	39.26	-343.26
287	9	-343.26	172.14	-1.13e-03	0.0	0.0	-9.56	1.13	-4.43	0.16	172.14	-365.15
		-365.15	39.26	-9.57e-03	0.0	32.0	-9.56	1.13	-4.43	0.16	39.26	-343.26
287	10	42.97	276.27	4.44e-03	0.0	0.0	1.16	-2.04	-6.21	1.46	276.27	42.97
		-65.29	84.45	1.73e-03	0.0	32.0	1.16	-2.04	-6.21	1.46	84.45	-65.29
287	11	50.72	444.19	3.57e-03	0.0	0.0	1.23	-3.63	-9.17	1.62	444.19	50.72
		-97.72	152.26	-4.31e-03	0.0	32.0	1.23	-3.63	-9.17	1.62	152.26	-97.72
287	12	-183.69	14.24	1.18e-03	0.0	0.0	-9.25	0.64	2.43	0.19	-63.59	-204.29
		-204.29	-63.59	7.05e-05	0.0	32.0	-9.25	0.64	2.43	0.19	14.24	-183.69
287	13	860.89	2117.24	0.28	0.0	0.0	14.95	-250.90	-36.28	16.11	2117.24	860.89
		-7167.99	956.20	0.02	0.0	32.0	14.95	-250.90	-36.28	16.11	956.20	-7167.99
288	1	4197.59	369.45	-0.13	-16.62	0.0	-1.21	26.77	-5.98	-1.14	369.45	1152.24
		1152.24	-326.19	0.04	3.53	165.0	-1.21	10.15	-2.45	-1.14	-326.19	4197.59
288	2	1.242e+04	940.60	-0.36	0.0	0.0	-4.26	57.85	-11.94	-1.76	940.60	2873.15
		2873.15	-1028.90	0.11	0.0	165.0	-4.26	57.85	-11.94	-1.76	-1028.90	1.242e+04
288	3	2.429e+04	1840.01	-0.71	0.0	0.0	-8.34	113.17	-23.35	-3.45	1840.01	5620.50
		5620.50	-2012.75	0.22	0.0	165.0	-8.34	113.17	-23.35	-3.45	-2012.75	2.429e+04
288	4	-685.93	834.86	-0.04	0.0	0.0	-23.55	3.27	-9.24	-1.05	834.86	-1079.26
		-1079.26	-690.61	-0.07	0.0	165.0	-23.55	3.27	-9.24	-1.05	-690.61	-685.93
288	5	-685.93	834.86	-0.04	0.0	0.0	-23.55	3.27	-9.24	-1.05	834.86	-1079.26
		-1079.26	-690.61	-0.07	0.0	165.0	-23.55	3.27	-9.24	-1.05	-690.61	-685.93
288	6	-197.82	1113.01	0.07	0.0	0.0	2.95	-3.96	-12.39	3.36	1113.01	-197.82
		-799.81	-932.74	0.14	0.0	165.0	2.95	-3.96	-12.39	3.36	-932.74	-799.81
288	7	-298.05	1926.36	0.05	0.0	0.0	3.25	-6.40	-21.80	2.77	1926.36	-298.05
		-1322.24	-1671.71	0.11	0.0	165.0	3.25	-6.40	-21.80	2.77	-1671.71	-1322.24
288	8	-218.17	265.56	-0.01	0.0	0.0	-7.49	1.04	-2.94	-0.34	265.56	-343.14
		-343.14	-219.65	-0.02	0.0	165.0	-7.49	1.04	-2.94	-0.34	-219.65	-218.17
288	9	-218.17	265.56	-0.01	0.0	0.0	-7.49	1.04	-2.94	-0.34	265.56	-343.14
		-343.14	-219.65	-0.02	0.0	165.0	-7.49	1.04	-2.94	-0.34	-219.65	-218.17
288	10	-65.36	370.29	0.02	0.0	0.0	0.95	-1.38	-4.12	1.13	370.29	-65.36
		-276.42	-310.64	0.04	0.0	165.0	0.95	-1.38	-4.12	1.13	-310.64	-276.42
288	11	-97.80	634.04	0.02	0.0	0.0	1.04	-2.12	-7.18	0.98	634.04	-97.80
		-437.93	-550.96	0.04	0.0	165.0	1.04	-2.12	-7.18	0.98	-550.96	-437.93
288	12	-83.92	8.55	2.28e-03	0.0	0.0	-9.14	0.60	-0.08	0.06	8.55	-183.61
		-183.61	-4.20	6.37e-04	0.0	165.0	-9.14	0.60	-0.08	0.06	-4.20	-83.92
288	13	-7169.60	3396.68	1.11	0.0	0.0	14.63	-146.86	-36.22	9.09	3396.68	-7169.60
		-3.140e+04	-2580.02	0.46	0.0	165.0	14.63	-146.86	-36.22	9.09	-2580.02	-3.140e+04
289	1	4197.96	70.77	0.02	-16.62	0.0	-1.24	-1.19	-0.36	-0.18	-161.64	4197.96
		2630.60	-164.46	-0.02	3.53	165.0	-1.24	-17.81	3.17	-0.18	70.77	2630.60
289	2	1.242e+04	35.08	0.05	0.0	0.0	-4.33	-25.40	3.50	0.24	-542.33	1.242e+04
		8228.02	-542.33	-0.05	0.0	165.0	-4.33	-25.40	3.50	0.24	35.08	8228.02
289	3	2.430e+04	68.63	0.10	0.0	0.0	-8.48	-49.69	6.85	0.47	-1060.90	2.430e+04
		1.610e+04	-1060.90	-0.10	0.0	165.0	-8.48	-49.69	6.85	0.47	68.63	1.610e+04
289	4	302.38	587.25	-0.06	0.0	0.0	-12.76	3.58	-7.43	-1.75	587.25	-686.21
		-686.21	-639.89	-0.08	0.0	165.0	-12.76	3.58	-7.43	-1.75	-639.89	302.38
289	5	302.38	587.25	-0.06	0.0	0.0	-12.76	3.58	-7.43	-1.75	587.25	-686.21
		-686.21	-639.89	-0.08	0.0	165.0	-12.76	3.58	-7.43	-1.75	-639.89	302.38
289	6	-784.51	725.00	0.06	0.0	0.0	2.13	1.50	-9.41	2.84	725.00	-800.25
		-800.25	-834.34	0.13	0.0	165.0	2.13	1.50	-9.41	2.84	-834.34	-784.51
289	7	-1162.63	916.03	0.01	0.0	0.0	2.21	1.66	-12.76	1.86	916.03	-1322.78
		-1322.78	-1205.72	0.05	0.0	165.0	2.21	1.66	-12.76	1.86	-1205.72	-1162.63
289	8	96.41	187.06	-0.02	0.0	0.0	-4.06	1.14	-2.36	-0.56	187.06	-218.26
		-218.26	-203.71	-0.03	0.0	165.0	-4.06	1.14	-2.36	-0.56	-203.71	96.41
289	9	96.41	187.06	-0.02	0.0	0.0	-4.06	1.14	-2.36	-0.56	187.06	-218.26
		-218.26	-203.71	-0.03	0.0	165.0	-4.06	1.14	-2.36	-0.56	-203.71	96.41
289	10	-276.58	243.34	0.02	0.0	0.0	0.69	0.54	-3.15	0.93	243.34	-276.58
		-278.79	-278.96	0.04	0.0	165.0	0.69	0.54	-3.15	0.93	-278.96	-278.79
289	11	-386.09	302.50	3.95e-03	0.0	0.0	0.72	0.58	-4.21	0.62	302.50	-438.11
		-438.11	-397.66	0.02	0.0	165.0	0.72	0.58	-4.21	0.62	-397.66	-386.09
289	12	2.21	1.79	-1.24e-03	0.0	0.0	-9.06	0.52	-0.02	-0.05	1.79	-83.94
		-83.94	-2.02	7.70e-04	0.0	165.0	-9.06	0.52	-0.02	-0.05	-2.02	2.21
289	13	-2.120e+04	3105.02	0.17	0.0	0.0	14.36	61.86	-37.70	4.16	3105.02	-3.140e+04
		-3.140e+04	-3115.20	0.57	0.0	165.0	14.36	61.86	-37.70	4.16	-3115.20	-2.120e+04
290	1	2631.14	608.87	0.11	-16.62	0.0	-1.16	-29.16	5.04	0.43	-513.75	2631.14
		-3551.78	-513.75	-0.08	3.53	165.0	-1.16	-45.78	8.57	0.43	608.87	-3551.78
290	2	8228.91	1538.40	0.29	0.0	0.0	-4.14	-108.27	18.39	1.17	-1495.89	8228.91
		-9635.30	-1495.89	-0.20	0.0	165.0	-4.14	-108.27	18.39	1.17	1538.40	-9635.30
290	3	1.610e+04	3009.45	0.57	0.0	0.0	-8.10	-211.80	35.97	2.28	-2926.27	1.610e+04
		-1.885e+04	-2926.27	-0.39	0.0	165.0	-8.10	-211.80	35.97	2.28	3009.45	-1.885e+04
290	4	733.01	437.71	-0.07	0.0	0.0	-1.97	4.85	-6.08	-1.78	437.71	302.44

		302.44	-567.31	-0.12	0.0	165.0	-1.97	4.85	-6.08	-1.78	-567.31	733.01
290	5	733.01	437.71	-0.07	0.0	0.0	-1.97	4.85	-6.08	-1.78	437.71	302.44
		302.44	-567.31	-0.12	0.0	165.0	-1.97	4.85	-6.08	-1.78	-567.31	733.01
290	6	537.80	-499.02	0.05	0.0	0.0	1.79	5.38	6.83	2.67	-499.02	-784.94
		-784.94	-635.96	0.09	0.0	165.0	1.79	5.38	6.83	2.67	-635.96	537.80
290	7	518.91	733.83	-0.02	0.0	0.0	1.52	8.71	8.24	1.86	-649.13	-1163.20
		-1163.20	-649.13	-0.08	0.0	165.0	1.52	8.71	8.24	1.86	733.83	518.91
290	8	233.10	139.58	-0.02	0.0	0.0	-0.63	1.54	-1.94	-0.56	139.58	96.43
		96.43	-180.85	-0.04	0.0	165.0	-0.63	1.54	-1.94	-0.56	-180.85	233.10
290	9	233.10	139.58	-0.02	0.0	0.0	-0.63	1.54	-1.94	-0.56	139.58	96.43
		96.43	-180.85	-0.04	0.0	165.0	-0.63	1.54	-1.94	-0.56	-180.85	233.10
290	10	188.63	-176.03	0.02	0.0	0.0	0.58	1.81	2.38	0.86	-176.03	-278.94
		-278.94	-219.84	0.03	0.0	165.0	0.58	1.81	2.38	0.86	-219.84	188.63
290	11	184.92	254.60	-7.84e-03	0.0	0.0	0.50	2.91	2.89	0.61	-229.61	-386.29
		-386.29	-229.61	-0.02	0.0	165.0	0.50	2.91	2.89	0.61	254.60	184.92
290	12	85.45	3.73	-1.17e-03	0.0	0.0	-8.99	0.50	-0.06	-0.03	3.73	2.17
		2.17	-6.91	6.41e-04	0.0	165.0	-8.99	0.50	-0.06	-0.03	-6.91	85.45
290	13	2.333e+04	2537.84	-0.57	0.0	0.0	14.01	269.90	-35.08	1.44	2537.84	-2.120e+04
		-2.120e+04	-3250.61	0.47	0.0	165.0	14.01	269.90	-35.08	1.44	-3250.61	2.333e+04
291	1	-3551.40	722.83	0.01	-3.32	0.0	-1.43	-56.94	20.93	4.07	20.45	-3551.40
		-5485.33	20.45	-4.55e-03	0.71	33.0	-1.43	-60.27	21.64	4.07	722.83	-5485.33
291	2	-9634.55	1524.42	0.03	0.0	0.0	-4.50	-149.69	40.87	5.78	175.87	-9634.55
		-1.457e+04	175.87	-0.01	0.0	33.0	-4.50	-149.69	40.87	5.78	1524.42	-1.457e+04
291	3	-1.885e+04	2982.09	0.07	0.0	0.0	-8.81	-292.83	79.94	11.31	344.04	-1.885e+04
		-2.851e+04	344.04	-0.02	0.0	33.0	-8.81	-292.83	79.94	11.31	2982.09	-2.851e+04
291	4	908.30	54.54	-0.01	0.0	0.0	4.58	5.89	-12.81	-2.08	54.54	733.00
		733.00	-415.99	-0.03	0.0	33.0	4.58	5.89	-12.81	-2.08	-415.99	908.30
291	5	908.30	54.54	-0.01	0.0	0.0	4.58	5.89	-12.81	-2.08	54.54	733.00
		733.00	-415.99	-0.03	0.0	33.0	4.58	5.89	-12.81	-2.08	-415.99	908.30
291	6	701.44	472.02	0.01	0.0	0.0	1.80	8.49	11.16	2.57	-148.02	537.70
		537.70	-148.02	8.85e-03	0.0	33.0	1.80	8.49	11.16	2.57	472.02	701.44
291	7	872.05	554.91	-4.74e-03	0.0	0.0	1.67	13.68	14.11	-3.84	-193.95	518.63
		518.63	-193.95	-0.02	0.0	33.0	1.67	13.68	14.11	-3.84	554.91	872.05
291	8	288.82	17.41	-3.74e-03	0.0	0.0	1.46	1.87	-4.08	-0.66	17.41	233.10
		233.10	-132.82	-0.01	0.0	33.0	1.46	1.87	-4.08	-0.66	-132.82	288.82
291	9	288.82	17.41	-3.74e-03	0.0	0.0	1.46	1.87	-4.08	-0.66	17.41	233.10
		233.10	-132.82	-0.01	0.0	33.0	1.46	1.87	-4.08	-0.66	-132.82	288.82
291	10	237.43	163.75	3.62e-03	0.0	0.0	0.59	2.86	3.84	0.86	-51.39	188.61
		188.61	-51.39	2.81e-03	0.0	33.0	0.59	2.86	3.84	0.86	163.75	237.43
291	11	299.12	193.69	-1.52e-03	0.0	0.0	0.55	4.53	4.85	-1.28	-65.72	184.83
		184.83	-65.72	-6.83e-03	0.0	33.0	0.55	4.53	4.85	-1.28	193.69	299.12
291	12	102.45	37.35	7.59e-05	0.0	0.0	-8.90	0.51	1.42	0.02	-9.60	85.46
		85.46	-9.60	2.80e-05	0.0	33.0	-8.90	0.51	1.42	0.02	37.35	102.45
291	13	3.574e+04	-461.86	-0.06	0.0	0.0	14.92	375.99	-74.09	-13.88	-461.86	2.333e+04
		2.333e+04	-2906.77	0.02	0.0	33.0	14.92	375.99	-74.09	-13.88	-2906.77	3.574e+04
292	1	-3815.59	669.25	4.81e-03	-3.22	0.0	-0.77	53.02	-21.09	-4.32	669.25	-5460.56
		-5460.56	5.48	3.84e-03	0.69	32.0	-0.77	49.79	-20.40	-4.32	5.48	-3815.59
292	2	-1.036e+04	1393.40	0.01	0.0	0.0	-2.78	129.65	-39.18	-5.77	1393.40	-1.451e+04
		-1.451e+04	139.50	8.39e-03	0.0	32.0	-2.78	129.65	-39.18	-5.77	139.50	-1.036e+04
292	3	-2.026e+04	2725.79	0.03	0.0	0.0	-5.44	253.61	-76.65	-11.28	2725.79	-2.838e+04
		-2.838e+04	272.90	0.02	0.0	32.0	-5.44	253.61	-76.65	-11.28	272.90	-2.026e+04
292	4	-267.08	551.69	-0.01	0.0	0.0	-24.95	2.39	-15.48	-0.89	551.69	-293.33
		-293.33	66.42	-0.03	0.0	32.0	-24.95	2.39	-15.48	-0.89	66.42	-267.08
292	5	-267.08	551.69	-0.01	0.0	0.0	-24.95	2.39	-15.48	-0.89	551.69	-293.33
		-293.33	66.42	-0.03	0.0	32.0	-24.95	2.39	-15.48	-0.89	66.42	-267.08
292	6	710.68	1037.58	0.01	0.0	0.0	3.61	-7.69	-23.91	4.28	1037.58	710.68
		537.29	288.77	0.01	0.0	32.0	3.61	-7.69	-23.91	4.28	288.77	537.29
292	7	887.20	1132.55	-3.51e-03	0.0	0.0	4.07	-12.00	-25.28	3.54	1132.55	887.20
		583.67	331.91	-0.02	0.0	32.0	4.07	-12.00	-25.28	3.54	331.91	583.67
292	8	-85.00	175.87	-3.48e-03	0.0	0.0	-7.93	0.76	-4.93	-0.28	175.87	-93.36
		-93.36	21.25	-9.43e-03	0.0	32.0	-7.93	0.76	-4.93	-0.28	21.25	-85.00
292	9	-85.00	175.87	-3.48e-03	0.0	0.0	-7.93	0.76	-4.93	-0.28	175.87	-93.36
		-93.36	21.25	-9.43e-03	0.0	32.0	-7.93	0.76	-4.93	-0.28	21.25	-85.00
292	10	240.00	357.10	3.90e-03	0.0	0.0	1.16	-2.52	-8.18	1.41	357.10	240.00
		187.11	100.98	3.85e-03	0.0	32.0	1.16	-2.52	-8.18	1.41	100.98	187.11
292	11	302.97	396.24	-1.11e-03	0.0	0.0	1.30	-3.92	-8.91	1.21	396.24	302.97
		206.95	114.03	-5.02e-03	0.0	32.0	1.30	-3.92	-8.91	1.21	114.03	206.95
292	12	-31.84	8.83	1.23e-04	0.0	0.0	-14.70	0.15	1.57	0.04	-41.56	-36.61
		-36.61	-41.56	4.01e-05	0.0	32.0	-14.70	0.15	1.57	0.04	8.83	-31.84
292	13	3.568e+04	526.60	-8.55e-03	0.0	0.0	14.10	-327.43	13.27	21.25	102.07	3.568e+04
		2.520e+04	102.07	3.17e-03	0.0	32.0	14.10	-327.43	13.27	21.25	526.60	2.520e+04
293	1	1190.00	516.34	-0.03	-16.62	0.0	-0.48	38.65	-7.57	-0.54	516.34	-3815.57
		-3815.57	-441.64	0.06	3.53	165.0	-0.48	22.03	-4.04	-0.54	-441.64	1190.00
293	2	4222.33	1314.45	-0.09	0.0	0.0	-2.38	88.37	-15.97	-0.95	1314.45	-1.036e+04
		-1.036e+04	-1321.34	0.17	0.0	165.0	-2.38	88.37	-15.97	-0.95	-1321.34	4222.33
293	3	8259.78	2571.34	-0.18	0.0	0.0	-4.65	172.87	-31.25	-1.85	2571.34	-2.026e+04

		-2.026e+04	-2584.82	0.33	0.0	165.0	-4.65	172.87	-31.25	-1.85	-2584.82	8259.78
293	4	-257.94	771.42	-0.06	0.0	0.0	-18.43	1.73	-8.47	-1.65	771.42	-267.05
		-267.05	-626.20	-0.10	0.0	165.0	-18.43	1.73	-8.47	-1.65	-626.20	-257.94
293	5	-257.94	771.42	-0.06	0.0	0.0	-18.43	1.73	-8.47	-1.65	771.42	-267.05
		-267.05	-626.20	-0.10	0.0	165.0	-18.43	1.73	-8.47	-1.65	-626.20	-257.94
293	6	537.12	1348.09	0.07	0.0	0.0	3.07	-4.77	-15.41	2.92	1348.09	537.12
		-574.71	-1196.82	0.17	0.0	165.0	3.07	-4.77	-15.41	2.92	-1196.82	-574.71
293	7	583.44	1505.97	-0.01	0.0	0.0	3.67	-7.09	-17.64	2.08	1505.97	583.44
		-872.04	-1406.49	0.03	0.0	165.0	3.67	-7.09	-17.64	2.08	-1406.49	-872.04
293	8	-82.08	245.71	-0.02	0.0	0.0	-5.86	0.55	-2.70	-0.52	245.71	-84.99
		-84.99	-199.42	-0.03	0.0	165.0	-5.86	0.55	-2.70	-0.52	-199.42	-82.08
293	9	-82.08	245.71	-0.02	0.0	0.0	-5.86	0.55	-2.70	-0.52	245.71	-84.99
		-84.99	-199.42	-0.03	0.0	165.0	-5.86	0.55	-2.70	-0.52	-199.42	-82.08
293	10	187.06	466.22	0.02	0.0	0.0	0.99	-1.57	-5.35	0.94	466.22	187.06
		-199.16	-417.50	0.05	0.0	165.0	0.99	-1.57	-5.35	0.94	-417.50	-199.16
293	11	206.87	522.35	-3.87e-03	0.0	0.0	1.17	-2.32	-6.14	0.68	522.35	206.87
		-287.91	-491.36	8.84e-03	0.0	165.0	1.17	-2.32	-6.14	0.68	-491.36	-287.91
293	12	-8.37	3.09	1.10e-04	0.0	0.0	-14.62	0.14	-0.02	6.86e-03	3.09	-31.82
		-31.82	-0.84	8.74e-05	0.0	165.0	-14.62	0.14	-0.02	6.86e-03	-0.84	-8.37
293	13	2.520e+04	1152.54	0.35	0.0	0.0	13.23	-221.60	-12.11	5.33	1152.54	2.520e+04
		-1.137e+04	-845.97	0.15	0.0	165.0	13.23	-221.60	-12.11	5.33	-845.97	-1.137e+04
294	1	1761.24	-14.84	-0.01	-16.62	0.0	-0.54	10.73	-2.13	-0.02	-14.84	1189.86
		1189.86	-120.81	9.18e-03	3.53	165.0	-0.54	-5.88	1.40	-0.02	-75.11	1589.97
294	2	5274.63	-172.24	-0.03	0.0	0.0	-2.51	6.38	-0.97	-0.16	-172.24	4222.18
		4222.18	-332.94	0.02	0.0	165.0	-2.51	6.38	-0.97	-0.16	-332.94	5274.63
294	3	1.032e+04	-336.94	-0.06	0.0	0.0	-4.91	12.48	-1.91	-0.32	-336.94	8259.48
		8259.48	-651.29	0.05	0.0	165.0	-4.91	12.48	-1.91	-0.32	-651.29	1.032e+04
294	4	315.69	639.33	-0.07	0.0	0.0	-7.65	1.62	-7.85	-1.86	639.33	-257.99
		-257.99	-657.70	-0.11	0.0	165.0	-7.65	1.62	-7.85	-1.86	-657.70	315.69
294	5	315.69	639.33	-0.07	0.0	0.0	-7.65	1.62	-7.85	-1.86	639.33	-257.99
		-257.99	-657.70	-0.11	0.0	165.0	-7.65	1.62	-7.85	-1.86	-657.70	315.69
294	6	-574.83	680.44	0.07	0.0	0.0	2.60	-2.18	-9.03	2.83	680.44	-574.83
		-606.75	-838.13	0.14	0.0	165.0	2.60	-2.18	-9.03	2.83	-838.13	-606.75
294	7	-867.85	573.62	-0.04	0.0	0.0	2.94	1.43	-7.32	-2.26	573.62	-872.06
		-872.06	-716.41	-0.06	0.0	165.0	2.94	1.43	-7.32	-2.26	-716.41	-867.85
294	8	100.50	203.74	-0.02	0.0	0.0	-2.43	0.52	-2.50	-0.59	203.74	-82.09
		-82.09	-209.59	-0.03	0.0	165.0	-2.43	0.52	-2.50	-0.59	-209.59	100.50
294	9	100.50	203.74	-0.02	0.0	0.0	-2.43	0.52	-2.50	-0.59	203.74	-82.09
		-82.09	-209.59	-0.03	0.0	165.0	-2.43	0.52	-2.50	-0.59	-209.59	100.50
294	10	-199.20	224.99	0.02	0.0	0.0	0.84	-0.82	-2.99	0.90	224.99	-199.20
		-210.95	-280.32	0.05	0.0	165.0	0.84	-0.82	-2.99	0.90	-280.32	-210.95
294	11	-285.75	189.05	-0.01	0.0	0.0	0.95	0.52	-2.39	-0.72	189.05	-287.92
		-287.92	-237.74	-0.02	0.0	165.0	0.95	0.52	-2.39	-0.72	-237.74	-285.75
294	12	12.64	0.82	-3.43e-04	0.0	0.0	-14.57	0.13	0.01	-0.01	-1.06	-8.38
		-8.38	-1.06	9.61e-05	0.0	165.0	-14.57	0.13	0.01	-0.01	0.82	12.64
294	13	-1.137e+04	968.81	0.14	0.0	0.0	13.21	-15.19	-11.84	2.82	968.81	-1.137e+04
		-1.387e+04	-984.29	0.18	0.0	165.0	13.21	-15.19	-11.84	2.82	-984.29	-1.387e+04
295	1	1589.96	453.11	0.04	-16.62	0.0	-0.47	-17.15	3.37	0.52	-394.06	1589.96
		-2609.99	-394.06	-0.06	3.53	165.0	-0.47	-33.76	6.90	0.52	453.11	-2609.99
295	2	5274.49	1145.17	0.11	0.0	0.0	-2.37	-75.57	14.18	0.79	-1193.76	5274.49
		-7193.95	-1193.76	-0.15	0.0	165.0	-2.37	-75.57	14.18	0.79	1145.17	-7193.95
295	3	1.032e+04	2240.20	0.22	0.0	0.0	-4.63	-147.82	27.73	1.54	-2335.25	1.032e+04
		-1.407e+04	-2335.25	-0.29	0.0	165.0	-4.63	-147.82	27.73	1.54	2240.20	-1.407e+04
295	4	561.34	532.45	-0.07	0.0	0.0	3.15	2.51	-7.30	-1.80	532.45	315.51
		315.51	-673.05	-0.13	0.0	165.0	3.15	2.51	-7.30	-1.80	-673.05	561.34
295	5	561.34	532.45	-0.07	0.0	0.0	3.15	2.51	-7.30	-1.80	532.45	315.51
		315.51	-673.05	-0.13	0.0	165.0	3.15	2.51	-7.30	-1.80	-673.05	561.34
295	6	807.70	814.71	0.06	0.0	0.0	2.67	5.42	9.48	2.88	-759.84	-606.83
		-606.83	-759.84	0.08	0.0	165.0	2.67	5.42	9.48	2.88	814.71	807.70
295	7	646.77	1122.49	-0.06	0.0	0.0	2.69	7.07	13.47	-2.67	-1106.09	-867.83
		-867.83	-1106.09	-0.15	0.0	165.0	2.69	7.07	13.47	-2.67	1122.49	646.77
295	8	178.57	169.57	-0.02	0.0	0.0	1.00	0.80	-2.33	-0.57	169.57	100.45
		100.45	-214.38	-0.04	0.0	165.0	1.00	0.80	-2.33	-0.57	-214.38	178.57
295	9	178.57	169.57	-0.02	0.0	0.0	1.00	0.80	-2.33	-0.57	169.57	100.45
		100.45	-214.38	-0.04	0.0	165.0	1.00	0.80	-2.33	-0.57	-214.38	178.57
295	10	296.26	291.62	0.02	0.0	0.0	0.86	1.86	3.43	0.92	-277.62	-210.97
		-210.97	-277.62	0.03	0.0	165.0	0.86	1.86	3.43	0.92	291.62	296.26
295	11	235.87	401.28	-0.02	0.0	0.0	0.86	2.34	4.83	-0.87	-397.37	-285.74
		-285.74	-397.37	-0.05	0.0	165.0	0.86	2.34	4.83	-0.87	401.28	235.87
295	12	34.48	0.48	1.78e-04	0.0	0.0	-14.52	0.13	-0.01	2.90e-03	0.48	12.64
		12.64	-1.73	9.63e-05	0.0	165.0	-14.52	0.13	-0.01	2.90e-03	-1.73	34.48
295	13	1.767e+04	777.92	-0.21	0.0	0.0	13.06	191.18	-10.53	-0.01	777.92	-1.387e+04
		-1.387e+04	-959.73	0.15	0.0	165.0	13.06	191.18	-10.53	-0.01	-959.73	1.767e+04
296	1	-2609.97	609.17	1.32e-03	-3.32	0.0	-0.73	-44.82	18.51	3.85	-13.28	-2609.97
		-4143.91	-13.28	-3.70e-03	0.71	33.0	-0.73	-48.14	19.22	3.85	609.17	-4143.91
296	2	-7194.00	1238.82	3.66e-03	0.0	0.0	-2.69	-116.59	34.81	4.74	90.11	-7194.00

		-1.104e+04	90.11	-7.92e-03	0.0	33.0	-2.69	-116.59	34.81	4.74	1238.82	-1.104e+04
296	3	-1.407e+04	2423.39	7.16e-03	0.0	0.0	-5.26	-228.08	68.09	9.28	176.27	-1.407e+04
		-2.160e+04	176.27	-0.02	0.0	33.0	-5.26	-228.08	68.09	9.28	2423.39	-2.160e+04
296	4	643.35	-31.63	-0.01	0.0	0.0	9.67	3.17	-14.80	1.95	-31.63	561.44
		561.44	-508.77	-0.03	0.0	33.0	9.67	3.17	-14.80	1.95	-508.77	643.35
296	5	643.35	-31.63	-0.01	0.0	0.0	9.67	3.17	-14.80	1.95	-31.63	561.44
		561.44	-508.77	-0.03	0.0	33.0	9.67	3.17	-14.80	1.95	-508.77	643.35
296	6	1016.63	653.22	0.01	0.0	0.0	2.85	8.55	15.86	-2.91	163.67	807.58
		807.58	163.67	0.01	0.0	33.0	2.85	8.55	15.86	-2.91	653.22	1016.63
296	7	945.96	931.13	-0.01	0.0	0.0	2.96	11.64	22.67	-4.76	213.29	646.84
		646.84	213.29	-0.02	0.0	33.0	2.96	11.64	22.67	-4.76	931.13	945.96
296	8	204.63	-10.26	-3.98e-03	0.0	0.0	3.08	1.01	-4.71	0.62	-10.26	178.61
		178.61	-162.15	-9.84e-03	0.0	33.0	3.08	1.01	-4.71	0.62	-162.15	204.63
296	9	204.63	-10.26	-3.98e-03	0.0	0.0	3.08	1.01	-4.71	0.62	-10.26	178.61
		178.61	-162.15	-9.84e-03	0.0	33.0	3.08	1.01	-4.71	0.62	-162.15	204.63
296	10	365.45	235.87	4.31e-03	0.0	0.0	0.92	2.86	5.74	-0.99	57.95	296.22
		296.22	57.95	4.11e-03	0.0	33.0	0.92	2.86	5.74	-0.99	235.87	365.45
296	11	333.01	329.68	-3.49e-03	0.0	0.0	0.95	3.83	7.93	-1.57	76.89	235.89
		235.89	76.89	-7.20e-03	0.0	33.0	0.95	3.83	7.93	-1.57	329.68	333.01
296	12	39.07	20.31	1.76e-04	0.0	0.0	-14.48	0.14	0.75	0.03	-4.57	34.50
		34.50	-4.57	-1.65e-05	0.0	33.0	-14.48	0.14	0.75	0.03	20.31	39.07
296	13	2.746e+04	50.89	3.50e-03	0.0	0.0	13.83	296.66	-40.91	-13.96	50.89	1.767e+04
		1.767e+04	-1299.29	8.09e-03	0.0	33.0	13.83	296.66	-40.91	-13.96	-1299.29	2.746e+04
297	1	-2604.93	632.22	-4.63e-03	-3.22	0.0	-0.69	49.86	-20.04	-3.78	632.22	-4149.03
		-4149.03	1.79	3.66e-03	0.69	32.0	-0.69	46.64	-19.36	-3.78	1.79	-2604.93
297	2	-7169.44	1296.09	-0.01	0.0	0.0	-2.63	121.43	-36.51	-4.65	1296.09	-1.106e+04
		-1.106e+04	127.88	7.90e-03	0.0	32.0	-2.63	121.43	-36.51	-4.65	127.88	-7169.44
297	3	-1.402e+04	2535.44	-0.02	0.0	0.0	-5.14	237.55	-71.41	-9.10	2535.44	-2.163e+04
		-2.163e+04	250.16	0.02	0.0	32.0	-5.14	237.55	-71.41	-9.10	250.16	-1.402e+04
297	4	-504.72	572.24	-0.01	0.0	0.0	-19.84	1.99	-15.97	1.30	572.24	-552.19
		-552.19	74.49	-0.03	0.0	32.0	-19.84	1.99	-15.97	1.30	74.49	-504.72
297	5	-504.72	572.24	-0.01	0.0	0.0	-19.84	1.99	-15.97	1.30	572.24	-552.19
		-552.19	74.49	-0.03	0.0	32.0	-19.84	1.99	-15.97	1.30	74.49	-504.72
297	6	1033.93	937.43	0.01	0.0	0.0	3.72	-9.59	-22.92	4.77	937.43	1033.93
		782.96	216.99	0.02	0.0	32.0	3.72	-9.59	-22.92	4.77	216.99	782.96
297	7	952.07	701.77	-9.50e-03	0.0	0.0	4.13	-12.27	-16.90	3.39	701.77	952.07
		606.24	173.45	-0.02	0.0	32.0	4.13	-12.27	-16.90	3.39	173.45	606.24
297	8	-160.61	182.11	-3.78e-03	0.0	0.0	-6.31	0.63	-5.08	0.41	182.11	-175.66
		-175.66	23.68	-9.29e-03	0.0	32.0	-6.31	0.63	-5.08	0.41	23.68	-160.61
297	9	-160.61	182.11	-3.78e-03	0.0	0.0	-6.31	0.63	-5.08	0.41	182.11	-175.66
		-175.66	23.68	-9.29e-03	0.0	32.0	-6.31	0.63	-5.08	0.41	23.68	-160.61
297	10	370.95	313.39	4.57e-03	0.0	0.0	1.19	-3.23	-7.67	1.57	313.39	370.95
		286.59	72.97	5.40e-03	0.0	32.0	1.19	-3.23	-7.67	1.57	72.97	286.59
297	11	335.72	248.87	-2.99e-03	0.0	0.0	1.32	-4.17	-6.03	1.19	248.87	335.72
		217.84	60.36	-5.33e-03	0.0	32.0	1.32	-4.17	-6.03	1.19	60.36	217.84
297	12	-27.06	4.55	1.78e-04	0.0	0.0	-17.31	0.09	0.80	0.03	-21.00	-30.00
		-30.00	-21.00	2.04e-05	0.0	32.0	-17.31	0.09	0.80	0.03	4.55	-27.06
297	13	2.753e+04	359.21	0.04	0.0	0.0	15.31	-308.06	20.11	16.72	-284.16	2.753e+04
		1.768e+04	-284.16	-4.50e-04	0.0	32.0	15.31	-308.06	20.11	16.72	359.21	1.768e+04
298	1	1895.78	485.53	-0.05	-16.62	0.0	-0.42	35.59	-7.24	-0.38	485.53	-2605.11
		-2605.11	-417.51	0.06	3.53	165.0	-0.42	18.97	-3.71	-0.38	-417.51	1895.78
298	2	6097.25	1229.52	-0.15	0.0	0.0	-2.28	80.41	-15.06	-0.63	1229.52	-7169.73
		-7169.73	-1255.04	0.16	0.0	165.0	-2.28	80.41	-15.06	-0.63	-1255.04	6097.25
298	3	1.193e+04	2405.20	-0.30	0.0	0.0	-4.46	157.29	-29.46	-1.23	2405.20	-1.403e+04
		-1.403e+04	-2455.12	0.31	0.0	165.0	-4.46	157.29	-29.46	-1.23	-2455.12	1.193e+04
298	4	-263.66	792.60	-0.07	0.0	0.0	-13.33	1.90	-8.60	-1.83	792.60	-504.62
		-504.62	-626.57	-0.12	0.0	165.0	-13.33	1.90	-8.60	-1.83	-626.57	-263.66
298	5	-263.66	792.60	-0.07	0.0	0.0	-13.33	1.90	-8.60	-1.83	792.60	-504.62
		-504.62	-626.57	-0.12	0.0	165.0	-13.33	1.90	-8.60	-1.83	-626.57	-263.66
298	6	782.84	1136.36	0.08	0.0	0.0	3.32	-6.47	-13.19	3.22	1136.36	782.84
		-582.83	-1043.71	0.18	0.0	165.0	3.32	-6.47	-13.19	3.22	-1043.71	-582.83
298	7	606.39	852.13	-0.04	0.0	0.0	3.82	-7.87	-10.31	-2.69	852.13	606.39
		-849.92	-851.71	-0.04	0.0	165.0	3.82	-7.87	-10.31	-2.69	-851.71	-849.92
298	8	-84.24	252.08	-0.02	0.0	0.0	-4.24	0.60	-2.74	-0.58	252.08	-160.58
		-160.58	-199.29	-0.04	0.0	165.0	-4.24	0.60	-2.74	-0.58	-199.29	-84.24
298	9	-84.24	252.08	-0.02	0.0	0.0	-4.24	0.60	-2.74	-0.58	252.08	-160.58
		-160.58	-199.29	-0.04	0.0	165.0	-4.24	0.60	-2.74	-0.58	-199.29	-84.24
298	10	286.55	379.51	0.03	0.0	0.0	1.06	-2.23	-4.43	1.05	379.51	286.55
		-192.78	-352.95	0.06	0.0	165.0	1.06	-2.23	-4.43	1.05	-352.95	-192.78
298	11	217.90	299.27	-0.01	0.0	0.0	1.22	-2.73	-3.63	-0.88	299.27	217.90
		-287.38	-300.52	-0.01	0.0	165.0	1.22	-2.73	-3.63	-0.88	-300.52	-287.38
298	12	-12.81	1.72	3.52e-04	0.0	0.0	-17.27	0.09	-0.01	0.01	1.72	-27.05
		-27.05	-0.57	6.35e-05	0.0	165.0	-17.27	0.09	-0.01	0.01	-0.57	-12.81
298	13	1.768e+04	473.24	0.43	0.0	0.0	14.55	-202.57	-4.84	2.56	473.24	1.768e+04
		-1.575e+04	-325.96	0.05	0.0	165.0	14.55	-202.57	-4.84	2.56	-325.96	-1.575e+04
299	1	2190.97	-44.77	-0.01	-16.62	0.0	-0.49	7.73	-1.76	0.05	-45.34	1895.66

		1799.52	-117.91	6.04e-03	3.53	165.0	-0.49	-8.89	1.77	0.05	-44.77	1799.52
299	2	6097.13	-249.89	-0.03	0.0	0.0	-2.41	-1.55	0.04	0.13	-255.67	6097.13
		5841.77	-255.67	0.01	0.0	165.0	-2.41	-1.55	0.04	0.13	-249.89	5841.77
299	3	1.193e+04	-488.84	-0.06	0.0	0.0	-4.72	-3.03	0.07	0.26	-500.15	1.193e+04
		1.143e+04	-500.15	0.03	0.0	165.0	-4.72	-3.03	0.07	0.26	-488.84	1.143e+04
299	4	198.41	727.20	-0.08	0.0	0.0	-2.55	1.99	-8.80	-2.06	727.20	-263.75
		-263.75	-725.68	-0.13	0.0	165.0	-2.55	1.99	-8.80	-2.06	-725.68	198.41
299	5	198.41	727.20	-0.08	0.0	0.0	-2.55	1.99	-8.80	-2.06	727.20	-263.75
		-263.75	-725.68	-0.13	0.0	165.0	-2.55	1.99	-8.80	-2.06	-725.68	198.41
299	6	-582.94	690.32	0.07	0.0	0.0	3.13	-2.40	-8.24	3.01	690.32	-582.94
		-683.12	-711.38	0.14	0.0	165.0	3.13	-2.40	-8.24	3.01	-711.38	-683.12
299	7	-849.83	-409.11	-0.06	0.0	0.0	3.32	1.89	5.46	-2.71	-552.33	-849.83
		-999.15	-552.33	-0.12	0.0	165.0	3.32	1.89	5.46	-2.71	-409.11	-999.15
299	8	63.37	231.25	-0.02	0.0	0.0	-0.81	0.63	-2.80	-0.65	231.25	-84.27
		-84.27	-230.78	-0.04	0.0	165.0	-0.81	0.63	-2.80	-0.65	-230.78	63.37
299	9	63.37	231.25	-0.02	0.0	0.0	-0.81	0.63	-2.80	-0.65	231.25	-84.27
		-84.27	-230.78	-0.04	0.0	165.0	-0.81	0.63	-2.80	-0.65	-230.78	63.37
299	10	-192.81	242.21	0.02	0.0	0.0	1.00	-0.90	-2.80	0.98	242.21	-192.81
		-231.98	-236.47	0.04	0.0	165.0	1.00	-0.90	-2.80	0.98	-236.47	-231.98
299	11	-287.35	-137.81	-0.02	0.0	0.0	1.06	0.71	1.85	-0.87	-189.24	-287.35
		-349.69	-189.24	-0.04	0.0	165.0	1.06	0.71	1.85	-0.87	-137.81	-349.69
299	12	-0.83	-0.01	-1.86e-04	0.0	0.0	-17.25	0.07	1.41e-03	-7.50e-03	-0.24	-12.81
		-12.81	-0.24	7.08e-05	0.0	165.0	-17.25	0.07	1.41e-03	-7.50e-03	-0.01	-0.83
299	13	-1.511e+04	348.06	0.09	0.0	0.0	14.58	3.89	-4.31	0.35	348.06	-1.575e+04
		-1.575e+04	-362.75	0.06	0.0	165.0	14.58	3.89	-4.31	0.35	-362.75	-1.511e+04
300	1	1799.63	485.44	0.05	-16.62	0.0	-0.42	-20.15	3.72	0.48	-418.96	1799.63
		-2896.81	-418.96	-0.06	3.53	165.0	-0.42	-36.77	7.25	0.48	485.44	-2896.81
300	2	5841.90	1233.64	0.15	0.0	0.0	-2.27	-83.55	15.12	0.86	-1261.93	5841.90
		-7943.77	-1261.93	-0.16	0.0	165.0	-2.27	-83.55	15.12	0.86	1233.64	-7943.77
300	3	1.143e+04	2413.25	0.29	0.0	0.0	-4.44	-163.44	29.59	1.68	-2468.59	1.143e+04
		-1.554e+04	-2468.59	-0.31	0.0	165.0	-4.44	-163.44	29.59	1.68	2413.25	-1.554e+04
300	4	507.23	628.79	-0.09	0.0	0.0	8.24	2.33	-8.62	-1.98	628.79	198.10
		198.10	-793.14	-0.13	0.0	165.0	8.24	2.33	-8.62	-1.98	-793.14	507.23
300	5	507.23	628.79	-0.09	0.0	0.0	8.24	2.33	-8.62	-1.98	628.79	198.10
		198.10	-793.14	-0.13	0.0	165.0	8.24	2.33	-8.62	-1.98	-793.14	507.23
300	6	575.07	1007.51	0.06	0.0	0.0	3.43	5.51	11.63	2.84	-916.88	-683.33
		-683.33	-916.88	0.08	0.0	165.0	3.43	5.51	11.63	2.84	1007.51	575.07
300	7	591.75	1130.87	-0.08	0.0	0.0	3.30	6.67	13.27	-3.04	-1060.43	-999.07
		-999.07	-1060.43	-0.18	0.0	165.0	3.30	6.67	13.27	-3.04	1130.87	591.75
300	8	161.27	199.94	-0.03	0.0	0.0	2.62	0.74	-2.74	-0.63	199.94	63.27
		63.27	-252.21	-0.04	0.0	165.0	2.62	0.74	-2.74	-0.63	-252.21	161.27
300	9	161.27	199.94	-0.03	0.0	0.0	2.62	0.74	-2.74	-0.63	199.94	63.27
		63.27	-252.21	-0.04	0.0	165.0	2.62	0.74	-2.74	-0.63	-252.21	161.27
300	10	197.97	374.07	0.02	0.0	0.0	1.10	1.81	4.32	0.92	-340.90	-232.04
		-232.04	-340.90	0.02	0.0	165.0	1.10	1.81	4.32	0.92	374.07	197.97
300	11	205.27	394.21	-0.03	0.0	0.0	1.05	2.22	4.63	-0.99	-370.05	-349.67
		-349.67	-370.05	-0.06	0.0	165.0	1.05	2.22	4.63	-0.99	394.21	205.27
300	12	10.23	0.21	-2.26e-04	0.0	0.0	-17.23	0.07	-3.33e-03	-7.69e-03	0.21	-0.84
		-0.84	-0.34	5.64e-05	0.0	165.0	-17.23	0.07	-3.33e-03	-7.69e-03	-0.34	10.23
300	13	1.962e+04	261.33	-0.37	0.0	0.0	14.49	210.49	-3.33	-1.73	261.33	-1.511e+04
		-1.511e+04	-288.94	0.05	0.0	165.0	14.49	210.49	-3.33	-1.73	-288.94	1.962e+04
301	1	-2896.69	633.41	3.25e-03	-3.32	0.0	-0.69	-47.87	19.04	3.87	-6.56	-2896.69
		-4531.29	-6.56	-3.88e-03	0.71	33.0	-0.69	-51.20	19.75	3.87	633.41	-4531.29
301	2	-7943.59	1305.55	8.71e-03	0.0	0.0	-2.62	-124.68	36.28	4.93	108.35	-7943.59
		-1.206e+04	108.35	-8.41e-03	0.0	33.0	-2.62	-124.68	36.28	4.93	1305.55	-1.206e+04
301	3	-1.554e+04	2553.93	0.02	0.0	0.0	-5.12	-243.91	70.97	9.63	211.96	-1.554e+04
		-2.359e+04	211.96	-0.02	0.0	33.0	-5.12	-243.91	70.97	9.63	2553.93	-2.359e+04
301	4	583.65	-71.74	2.21e-03	0.0	0.0	14.76	2.45	-16.23	1.83	-71.74	507.29
		507.29	-586.88	-0.04	0.0	33.0	14.76	2.45	-16.23	1.83	-586.88	583.65
301	5	583.65	-71.74	2.21e-03	0.0	0.0	14.76	2.45	-16.23	1.83	-71.74	507.29
		507.29	-586.88	-0.04	0.0	33.0	14.76	2.45	-16.23	1.83	-586.88	583.65
301	6	794.70	756.74	0.01	0.0	0.0	3.68	9.69	16.60	-2.64	223.56	574.99
		574.99	223.56	0.02	0.0	33.0	3.68	9.69	16.60	-2.64	756.74	794.70
301	7	803.13	925.07	-0.01	0.0	0.0	3.62	11.17	22.02	-5.05	217.67	591.86
		591.86	217.67	-0.02	0.0	33.0	3.62	11.17	22.02	-5.05	925.07	803.13
301	8	185.57	-22.82	7.05e-04	0.0	0.0	4.69	0.78	-5.16	0.58	-22.82	161.29
		161.29	-186.68	-0.01	0.0	33.0	4.69	0.78	-5.16	0.58	-186.68	185.57
301	9	185.57	-22.82	7.05e-04	0.0	0.0	4.69	0.78	-5.16	0.58	-22.82	161.29
		161.29	-186.68	-0.01	0.0	33.0	4.69	0.78	-5.16	0.58	-186.68	185.57
301	10	265.81	280.20	4.32e-03	0.0	0.0	1.18	3.20	6.11	-0.90	83.11	197.95
		197.95	83.11	5.09e-03	0.0	33.0	1.18	3.20	6.11	-0.90	280.20	265.81
301	11	267.88	317.43	-4.74e-03	0.0	0.0	1.15	3.74	7.44	-1.68	78.51	205.30
		205.30	78.51	-6.69e-03	0.0	33.0	1.15	3.74	7.44	-1.68	317.43	267.88
301	12	12.48	-0.08	-9.65e-06	0.0	0.0	-17.23	0.07	-8.85e-03	-5.09e-03	-0.08	10.23
		10.23	-0.37	2.40e-06	0.0	33.0	-17.23	0.07	-8.85e-03	-5.09e-03	-0.37	12.48
301	13	3.006e+04	197.69	-0.02	0.0	0.0	15.28	316.30	-31.27	-15.94	197.69	1.962e+04

		1.962e+04	-834.27	4.41e-03	0.0	33.0	15.28	316.30	-31.27	-15.94	-834.27	3.006e+04
302	1	-2942.12	636.22	-3.05e-03	-3.22	0.0	-0.68	51.27	-20.15	-3.97	636.22	-4531.32
		-4531.32	2.35	3.68e-03	0.69	32.0	-0.68	48.05	-19.47	-3.97	2.35	-2942.12
302	2	-8054.47	1310.26	-8.23e-03	0.0	0.0	-2.61	125.12	-36.88	-5.05	1310.26	-1.206e+04
		-1.206e+04	129.98	7.97e-03	0.0	32.0	-2.61	125.12	-36.88	-5.05	129.98	-8054.47
302	3	-1.576e+04	2563.14	-0.02	0.0	0.0	-5.11	244.76	-72.15	-9.89	2563.14	-2.359e+04
		-2.359e+04	254.27	0.02	0.0	32.0	-5.11	244.76	-72.15	-9.89	254.27	-1.576e+04
302	4	-509.56	578.61	3.61e-04	0.0	0.0	-14.79	2.45	-16.04	1.82	578.61	-583.59
		-583.59	81.47	-0.04	0.0	32.0	-14.79	2.45	-16.04	1.82	81.47	-509.56
302	5	-509.56	578.61	3.61e-04	0.0	0.0	-14.79	2.45	-16.04	1.82	578.61	-583.59
		-583.59	81.47	-0.04	0.0	32.0	-14.79	2.45	-16.04	1.82	81.47	-509.56
302	6	806.46	924.48	0.01	0.0	0.0	3.61	-11.22	-22.13	5.12	924.48	806.46
		596.38	235.21	0.02	0.0	32.0	3.61	-11.22	-22.13	5.12	235.21	596.38
302	7	791.36	754.46	-0.01	0.0	0.0	3.69	-9.65	-16.60	2.70	754.46	791.36
		577.88	237.75	-0.02	0.0	32.0	3.69	-9.65	-16.60	2.70	237.75	577.88
302	8	-162.01	184.05	1.15e-04	0.0	0.0	-4.70	0.78	-5.10	0.58	184.05	-185.55
		-185.55	25.91	-0.01	0.0	32.0	-4.70	0.78	-5.10	0.58	25.91	-162.01
302	9	-162.01	184.05	1.15e-04	0.0	0.0	-4.70	0.78	-5.10	0.58	184.05	-185.55
		-185.55	25.91	-0.01	0.0	32.0	-4.70	0.78	-5.10	0.58	25.91	-162.01
302	10	269.26	317.09	4.58e-03	0.0	0.0	1.15	-3.76	-7.47	1.70	317.09	269.26
		206.59	84.61	6.44e-03	0.0	32.0	1.15	-3.76	-7.47	1.70	84.61	206.59
302	11	264.44	279.27	-4.20e-03	0.0	0.0	1.18	-3.18	-6.11	0.92	279.27	264.44
		198.62	88.40	-4.96e-03	0.0	32.0	1.18	-3.18	-6.11	0.92	88.40	198.62
302	12	12.48	-0.10	9.10e-06	0.0	0.0	-17.23	-0.07	7.06e-03	5.15e-03	-0.32	12.48
		10.30	-0.32	-2.33e-06	0.0	32.0	-17.23	-0.07	7.06e-03	5.15e-03	-0.10	10.30
302	13	3.006e+04	195.67	0.02	0.0	0.0	15.26	-317.41	32.48	16.37	-843.82	3.006e+04
		1.990e+04	-843.82	-4.46e-03	0.0	32.0	15.26	-317.41	32.48	16.37	195.67	1.990e+04
303	1	1783.99	488.75	-0.05	-16.62	0.0	-0.42	36.95	-7.27	-0.48	488.75	-2942.24
		-2942.24	-419.99	0.06	3.53	165.0	-0.42	20.34	-3.74	-0.48	-419.99	1783.99
303	2	5803.34	1241.83	-0.15	0.0	0.0	-2.27	83.99	-15.19	-0.86	1241.83	-8054.64
		-8054.64	-1264.56	0.16	0.0	165.0	-2.27	83.99	-15.19	-0.86	-1264.56	5803.34
303	3	1.135e+04	2429.29	-0.29	0.0	0.0	-4.43	164.30	-29.72	-1.68	2429.29	-1.576e+04
		-1.576e+04	-2473.74	0.31	0.0	165.0	-4.43	164.30	-29.72	-1.68	-2473.74	1.135e+04
303	4	-199.42	795.81	-0.09	0.0	0.0	-8.27	2.33	-8.63	-1.98	795.81	-509.49
		-509.49	-628.61	-0.13	0.0	165.0	-8.27	2.33	-8.63	-1.98	-628.61	-199.42
303	5	-199.42	795.81	-0.09	0.0	0.0	-8.27	2.33	-8.63	-1.98	795.81	-509.49
		-509.49	-628.61	-0.13	0.0	165.0	-8.27	2.33	-8.63	-1.98	-628.61	-199.42
303	6	596.27	1135.59	0.08	0.0	0.0	3.29	-6.71	-13.30	3.04	1135.59	596.27
		-989.33	-1060.67	0.18	0.0	165.0	3.29	-6.71	-13.30	3.04	-1060.67	-989.33
303	7	577.96	1008.12	-0.06	0.0	0.0	3.44	-5.50	-11.62	-2.85	1008.12	577.96
		-675.21	-914.03	-0.08	0.0	165.0	3.44	-5.50	-11.62	-2.85	-914.03	-675.21
303	8	-63.68	253.05	-0.03	0.0	0.0	-2.63	0.74	-2.75	-0.63	253.05	-161.99
		-161.99	-199.89	-0.04	0.0	165.0	-2.63	0.74	-2.75	-0.63	-199.89	-63.68
303	9	-63.68	253.05	-0.03	0.0	0.0	-2.63	0.74	-2.75	-0.63	253.05	-161.99
		-161.99	-199.89	-0.04	0.0	165.0	-2.63	0.74	-2.75	-0.63	-199.89	-63.68
303	10	206.56	395.76	0.03	0.0	0.0	1.05	-2.24	-4.64	0.99	395.76	206.56
		-345.87	-370.02	0.06	0.0	165.0	1.05	-2.24	-4.64	0.99	-370.02	-345.87
303	11	198.64	374.24	-0.02	0.0	0.0	1.10	-1.81	-4.32	-0.92	374.24	198.64
		-228.86	-339.76	-0.02	0.0	165.0	1.10	-1.81	-4.32	-0.92	-339.76	-228.86
303	12	10.30	0.20	2.25e-04	0.0	0.0	-17.23	-0.07	3.29e-03	7.65e-03	-0.34	10.30
		-0.77	-0.34	-5.63e-05	0.0	165.0	-17.23	-0.07	3.29e-03	7.65e-03	0.20	-0.77
303	13	1.990e+04	257.70	0.37	0.0	0.0	14.47	-211.60	3.29	1.72	-284.95	1.990e+04
		-1.501e+04	-284.95	-0.05	0.0	165.0	14.47	-211.60	3.29	1.72	257.70	-1.501e+04
304	1	2192.17	-42.14	-0.01	-16.62	0.0	-0.48	9.07	-1.80	-0.06	-42.14	1783.88
		1783.88	-117.91	6.33e-03	3.53	165.0	-0.48	-7.54	1.73	-0.06	-47.97	1909.95
304	2	6132.10	-243.53	-0.03	0.0	0.0	-2.41	1.99	-0.11	-0.15	-243.53	5803.21
		5803.21	-262.03	0.02	0.0	165.0	-2.41	1.99	-0.11	-0.15	-262.03	6132.10
304	3	1.200e+04	-476.39	-0.06	0.0	0.0	-4.72	3.90	-0.22	-0.28	-476.39	1.135e+04
		1.135e+04	-512.60	0.03	0.0	165.0	-4.72	3.90	-0.22	-0.28	-512.60	1.200e+04
304	4	262.74	725.68	-0.08	0.0	0.0	2.52	1.99	-8.80	-2.06	725.68	-199.73
		-199.73	-727.17	-0.13	0.0	165.0	2.52	1.99	-8.80	-2.06	-727.17	262.74
304	5	262.74	725.68	-0.08	0.0	0.0	2.52	1.99	-8.80	-2.06	725.68	-199.73
		-199.73	-727.17	-0.13	0.0	165.0	2.52	1.99	-8.80	-2.06	-727.17	262.74
304	6	-850.41	-409.05	0.06	0.0	0.0	3.32	-1.86	-5.48	2.70	-409.05	-989.42
		-989.42	-555.16	0.12	0.0	165.0	3.32	-1.86	-5.48	2.70	-555.16	-850.41
304	7	-585.85	690.51	-0.07	0.0	0.0	3.13	2.35	8.23	-3.02	-709.67	-675.01
		-675.01	-709.67	-0.14	0.0	165.0	3.13	2.35	8.23	-3.02	690.51	-585.85
304	8	83.95	230.78	-0.02	0.0	0.0	0.80	0.63	-2.80	-0.65	230.78	-63.78
		-63.78	-231.24	-0.04	0.0	165.0	0.80	0.63	-2.80	-0.65	-231.24	83.95
304	9	83.95	230.78	-0.02	0.0	0.0	0.80	0.63	-2.80	-0.65	230.78	-63.78
		-63.78	-231.24	-0.04	0.0	165.0	0.80	0.63	-2.80	-0.65	-231.24	83.95
304	10	-287.25	-137.82	0.02	0.0	0.0	1.06	-0.69	-1.86	0.87	-137.82	-345.89
		-345.89	-190.28	0.04	0.0	165.0	1.06	-0.69	-1.86	0.87	-190.28	-287.25
304	11	-193.82	242.48	-0.02	0.0	0.0	1.00	0.88	2.80	-0.98	-236.05	-228.80
		-228.80	-236.05	-0.04	0.0	165.0	1.00	0.88	2.80	-0.98	242.48	-193.82
304	12	-0.77	-3.78e-03	1.87e-04	0.0	0.0	-17.25	-0.07	-1.49e-03	7.54e-03	-3.78e-03	-0.77

		-12.73	-0.25	-7.08e-05	0.0	165.0	-17.25	-0.07	-1.49e-03	7.54e-03	-0.25	-12.73
304	13	-1.501e+04	344.65	0.07	0.0	0.0	14.58	-5.01	4.27	-0.33	-359.56	-1.501e+04
		-1.584e+04	-359.56	-0.06	0.0	165.0	14.58	-5.01	4.27	-0.33	344.65	-1.584e+04
305	1	1910.07	482.22	0.05	-16.62	0.0	-0.43	-18.79	3.68	0.38	-416.47	1910.07
		-2561.08	-416.47	-0.06	3.53	165.0	-0.43	-35.41	7.21	0.38	482.22	-2561.08
305	2	6132.22	1221.32	0.15	0.0	0.0	-2.28	-79.97	14.99	0.63	-1252.38	6132.22
		-7062.55	-1252.38	-0.16	0.0	165.0	-2.28	-79.97	14.99	0.63	1221.32	-7062.55
305	3	1.200e+04	2389.16	0.30	0.0	0.0	-4.46	-156.43	29.33	1.24	-2449.92	1.200e+04
		-1.382e+04	-2449.92	-0.31	0.0	165.0	-4.46	-156.43	29.33	1.24	2389.16	-1.382e+04
305	4	503.14	626.65	-0.07	0.0	0.0	13.29	1.90	-8.58	-1.83	626.65	262.65
		262.65	-789.80	-0.12	0.0	165.0	13.29	1.90	-8.58	-1.83	-789.80	503.14
305	5	503.14	626.65	-0.07	0.0	0.0	13.29	1.90	-8.58	-1.83	626.65	262.65
		262.65	-789.80	-0.12	0.0	165.0	13.29	1.90	-8.58	-1.83	-789.80	503.14
305	6	595.34	847.06	0.04	0.0	0.0	3.81	7.79	10.27	2.68	-850.43	-850.49
		-850.49	-850.43	0.04	0.0	165.0	3.81	7.79	10.27	2.68	847.06	595.34
305	7	772.36	1130.74	-0.08	0.0	0.0	3.33	6.39	13.15	-3.22	-1042.58	-585.74
		-585.74	-1042.58	-0.18	0.0	165.0	3.33	6.39	13.15	-3.22	1130.74	772.36
305	8	160.11	199.32	-0.02	0.0	0.0	4.23	0.60	-2.73	-0.58	199.32	83.92
		83.92	-251.19	-0.04	0.0	165.0	4.23	0.60	-2.73	-0.58	-251.19	160.11
305	9	160.11	199.32	-0.02	0.0	0.0	4.23	0.60	-2.73	-0.58	199.32	83.92
		83.92	-251.19	-0.04	0.0	165.0	4.23	0.60	-2.73	-0.58	-251.19	160.11
305	10	213.99	297.51	0.01	0.0	0.0	1.22	2.70	3.62	0.88	-300.10	-287.28
		-287.28	-300.10	0.01	0.0	165.0	1.22	2.70	3.62	0.88	297.51	213.99
305	11	282.81	377.67	-0.03	0.0	0.0	1.06	2.20	4.42	-1.05	-352.63	-193.79
		-193.79	-352.63	-0.06	0.0	165.0	1.06	2.20	4.42	-1.05	377.67	282.81
305	12	-12.73	1.71	-3.47e-04	0.0	0.0	-17.27	-0.09	0.01	-9.90e-03	-0.56	-12.73
		-26.96	-0.56	-8.10e-05	0.0	165.0	-17.27	-0.09	0.01	-9.90e-03	1.71	-26.96
305	13	1.740e+04	468.45	-0.43	0.0	0.0	14.56	201.46	4.80	-2.57	-323.45	-1.584e+04
		-1.584e+04	-323.45	-0.05	0.0	165.0	14.56	201.46	4.80	-2.57	468.45	1.740e+04
306	1	-2560.90	629.46	4.87e-03	-3.32	0.0	-0.69	-46.46	18.94	3.68	-7.08	-2560.90
		-4149.00	-7.08	-3.86e-03	0.71	33.0	-0.69	-49.79	19.64	3.68	629.46	-4149.00
306	2	-7062.26	1291.57	0.01	0.0	0.0	-2.63	-121.00	35.91	4.53	106.38	-7062.26
		-1.106e+04	106.38	-8.34e-03	0.0	33.0	-2.63	-121.00	35.91	4.53	1291.57	-1.106e+04
306	3	-1.382e+04	2526.59	0.03	0.0	0.0	-5.14	-236.70	70.26	8.86	208.11	-1.382e+04
		-2.163e+04	208.11	-0.02	0.0	33.0	-5.14	-236.70	70.26	8.86	2526.59	-2.163e+04
306	4	552.24	-63.96	-0.01	0.0	0.0	19.82	1.99	-16.19	1.31	-63.96	503.24
		503.24	-581.21	-0.03	0.0	33.0	19.82	1.99	-16.19	1.31	-581.21	552.24
306	5	552.24	-63.96	-0.01	0.0	0.0	19.82	1.99	-16.19	1.31	-63.96	503.24
		503.24	-581.21	-0.03	0.0	33.0	19.82	1.99	-16.19	1.31	-581.21	552.24
306	6	948.56	703.09	9.74e-03	0.0	0.0	4.11	12.19	16.88	-3.33	159.02	595.19
		595.19	159.02	0.02	0.0	33.0	4.11	12.19	16.88	-3.33	703.09	948.56
306	7	1028.14	936.98	-0.01	0.0	0.0	3.73	9.53	22.77	-4.73	199.68	772.49
		772.49	199.68	-0.02	0.0	33.0	3.73	9.53	22.77	-4.73	936.98	1028.14
306	8	175.68	-20.33	-3.89e-03	0.0	0.0	6.30	0.63	-5.15	0.42	-20.33	160.14
		160.14	-184.96	-9.56e-03	0.0	33.0	6.30	0.63	-5.15	0.42	-184.96	175.68
306	9	175.68	-20.33	-3.89e-03	0.0	0.0	6.30	0.63	-5.15	0.42	-20.33	160.14
		160.14	-184.96	-9.56e-03	0.0	33.0	6.30	0.63	-5.15	0.42	-184.96	175.68
306	10	334.29	249.40	3.06e-03	0.0	0.0	1.31	4.14	6.02	-1.17	55.28	213.94
		213.94	55.28	5.44e-03	0.0	33.0	1.31	4.14	6.02	-1.17	249.40	334.29
306	11	368.69	313.44	-4.72e-03	0.0	0.0	1.19	3.20	7.63	-1.56	67.18	282.85
		282.85	67.18	-5.62e-03	0.0	33.0	1.19	3.20	7.63	-1.56	313.44	368.69
306	12	-26.97	4.54	-1.83e-04	0.0	0.0	-17.31	-0.09	-0.76	-0.03	4.54	-26.97
		-30.00	-20.49	1.73e-05	0.0	33.0	-17.31	-0.09	-0.76	-0.03	-20.49	-30.00
306	13	2.753e+04	351.84	-0.04	0.0	0.0	15.33	306.96	-19.04	-16.31	351.84	1.740e+04
		1.740e+04	-276.43	1.55e-04	0.0	33.0	15.33	306.96	-19.04	-16.31	-276.43	2.753e+04
307	1	-2652.36	611.89	-9.19e-04	-3.22	0.0	-0.72	48.22	-19.61	-3.95	611.89	-4143.94
		-4143.94	-4.76	3.51e-03	0.69	32.0	-0.72	45.00	-18.93	-3.95	-4.76	-2652.36
307	2	-7296.84	1243.29	-2.65e-03	0.0	0.0	-2.68	117.03	-35.39	-4.87	1243.29	-1.104e+04
		-1.104e+04	110.69	7.50e-03	0.0	32.0	-2.68	117.03	-35.39	-4.87	110.69	-7296.84
307	3	-1.427e+04	2432.13	-5.19e-03	0.0	0.0	-5.24	228.93	-69.24	-9.52	2432.13	-2.160e+04
		-2.160e+04	216.53	0.01	0.0	32.0	-5.24	228.93	-69.24	-9.52	216.53	-1.427e+04
307	4	-563.72	500.27	-0.01	0.0	0.0	-9.69	3.18	-14.60	1.96	500.27	-643.27
		-643.27	39.59	-0.03	0.0	32.0	-9.69	3.18	-14.60	1.96	39.59	-563.72
307	5	-563.72	500.27	-0.01	0.0	0.0	-9.69	3.18	-14.60	1.96	500.27	-643.27
		-643.27	39.59	-0.03	0.0	32.0	-9.69	3.18	-14.60	1.96	39.59	-563.72
307	6	942.49	928.32	0.01	0.0	0.0	2.95	-11.68	-22.71	4.83	928.32	942.49
		649.85	229.87	0.02	0.0	32.0	2.95	-11.68	-22.71	4.83	229.87	649.85
307	7	1010.93	652.49	-0.01	0.0	0.0	2.86	-8.58	-15.94	2.92	652.49	1010.93
		807.15	174.52	-0.01	0.0	32.0	2.86	-8.58	-15.94	2.92	174.52	807.15
307	8	-179.33	159.46	-3.86e-03	0.0	0.0	-3.08	1.01	-4.65	0.62	159.46	-204.61
		-204.61	12.77	-9.56e-03	0.0	32.0	-3.08	1.01	-4.65	0.62	12.77	-179.33
307	9	-179.33	159.46	-3.86e-03	0.0	0.0	-3.08	1.01	-4.65	0.62	159.46	-204.61
		-204.61	12.77	-9.56e-03	0.0	32.0	-3.08	1.01	-4.65	0.62	12.77	-179.33
307	10	331.62	328.57	3.37e-03	0.0	0.0	0.95	-3.85	-7.94	1.60	328.57	331.62
		236.63	82.93	6.93e-03	0.0	32.0	0.95	-3.85	-7.94	1.60	82.93	236.63
307	11	363.23	235.54	-4.18e-03	0.0	0.0	0.92	-2.87	-5.76	1.00	235.54	363.23

		295.79	61.95	-3.99e-03	0.0	32.0	0.92	-2.87	-5.76	1.00	61.95	295.79
307	12	39.07	20.93	-1.71e-04	0.0	0.0	-14.48	-0.14	-0.80	-0.03	20.93	39.07
		34.63	-4.62	-2.06e-05	0.0	32.0	-14.48	-0.14	-0.80	-0.03	-4.62	34.63
307	13	2.746e+04	39.75	-6.49e-03	0.0	0.0	13.80	-297.76	42.23	14.37	-1311.47	2.746e+04
		1.793e+04	-1311.47	-7.97e-03	0.0	32.0	13.80	-297.76	42.23	14.37	39.75	1.793e+04
308	1	1577.34	456.43	-0.04	-16.62	0.0	-0.47	33.94	-6.93	-0.52	456.43	-2652.37
		-2652.37	-395.17	0.06	3.53	165.0	-0.47	17.33	-3.40	-0.52	-395.17	1577.34
308	2	5243.95	1153.38	-0.11	0.0	0.0	-2.36	76.00	-14.24	-0.79	1153.38	-7296.79
		-7296.79	-1196.60	0.15	0.0	165.0	-2.36	76.00	-14.24	-0.79	-1196.60	5243.95
308	3	1.026e+04	2256.26	-0.22	0.0	0.0	-4.61	148.68	-27.86	-1.54	2256.26	-1.427e+04
		-1.427e+04	-2340.80	0.29	0.0	165.0	-4.61	148.68	-27.86	-1.54	-2340.80	1.026e+04
308	4	-316.18	675.69	-0.07	0.0	0.0	-3.18	2.52	-7.32	-1.79	675.69	-563.61
		-563.61	-532.52	-0.13	0.0	165.0	-3.18	2.52	-7.32	-1.79	-532.52	-316.18
308	5	-316.18	675.69	-0.07	0.0	0.0	-3.18	2.52	-7.32	-1.79	675.69	-563.61
		-563.61	-532.52	-0.13	0.0	165.0	-3.18	2.52	-7.32	-1.79	-532.52	-316.18
308	6	649.78	1125.50	0.06	0.0	0.0	2.68	-7.11	-13.49	2.66	1125.50	649.78
		-864.33	-1105.07	0.15	0.0	165.0	2.68	-7.11	-13.49	2.66	-1105.07	-864.33
308	7	807.28	817.06	-0.06	0.0	0.0	2.68	-5.44	-9.50	-2.88	817.06	807.28
		-605.94	-760.74	-0.08	0.0	165.0	2.68	-5.44	-9.50	-2.88	-760.74	-605.94
308	8	-100.66	215.22	-0.02	0.0	0.0	-1.01	0.80	-2.33	-0.57	215.22	-179.30
		-179.30	-169.59	-0.04	0.0	165.0	-1.01	0.80	-2.33	-0.57	-169.59	-100.66
308	9	-100.66	215.22	-0.02	0.0	0.0	-1.01	0.80	-2.33	-0.57	215.22	-179.30
		-179.30	-169.59	-0.04	0.0	165.0	-1.01	0.80	-2.33	-0.57	-169.59	-100.66
308	10	236.61	402.33	0.02	0.0	0.0	0.86	-2.35	-4.83	0.86	402.33	236.61
		-284.46	-396.95	0.05	0.0	165.0	0.86	-2.35	-4.83	0.86	-396.95	-284.46
308	11	295.83	292.61	-0.02	0.0	0.0	0.86	-1.86	-3.44	-0.92	292.61	295.83
		-210.70	-278.04	-0.03	0.0	165.0	0.86	-1.86	-3.44	-0.92	-278.04	-210.70
308	12	34.62	0.47	-2.24e-04	0.0	0.0	-14.53	-0.13	0.01	-3.10e-03	-1.74	34.62
		12.76	-1.74	-8.10e-05	0.0	165.0	-14.53	-0.13	0.01	-3.10e-03	0.47	12.76
308	13	1.793e+04	775.37	0.21	0.0	0.0	13.04	-192.29	10.51	5.72e-03	-959.20	1.793e+04
		-1.380e+04	-959.20	-0.15	0.0	165.0	13.04	-192.29	10.51	5.72e-03	775.37	-1.380e+04
309	1	1759.86	-17.51	-6.46e-03	-16.62	0.0	-0.54	6.07	-1.43	0.01	-72.46	1577.36
		1207.22	-120.15	-5.05e-03	3.53	165.0	-0.54	-10.55	2.10	0.01	-17.51	1207.22
309	2	5244.09	-178.72	-0.02	0.0	0.0	-2.51	-5.93	0.90	0.15	-326.52	5244.09
		4265.27	-326.52	-0.01	0.0	165.0	-2.51	-5.93	0.90	0.15	-178.72	4265.27
309	3	1.026e+04	-349.61	-0.04	0.0	0.0	-4.90	-11.60	1.75	0.30	-638.73	1.026e+04
		8343.77	-638.73	-0.03	0.0	165.0	-4.90	-11.60	1.75	0.30	-349.61	8343.77
309	4	258.24	657.67	-0.07	0.0	0.0	7.63	1.63	-7.85	-1.86	657.67	-316.36
		-316.36	-639.34	-0.11	0.0	165.0	7.63	1.63	-7.85	-1.86	-639.34	258.24
309	5	258.24	657.67	-0.07	0.0	0.0	7.63	1.63	-7.85	-1.86	657.67	-316.36
		-316.36	-639.34	-0.11	0.0	165.0	7.63	1.63	-7.85	-1.86	-639.34	258.24
309	6	-864.36	573.11	0.04	0.0	0.0	2.93	-1.41	7.30	2.25	-713.86	-864.36
		-875.42	-713.86	0.06	0.0	165.0	2.93	-1.41	7.30	2.25	573.11	-875.42
309	7	-578.12	678.02	-0.07	0.0	0.0	2.61	2.18	9.00	-2.83	-836.50	-605.85
		-605.85	-836.50	-0.14	0.0	165.0	2.61	2.18	9.00	-2.83	678.02	-578.12
309	8	82.17	209.58	-0.02	0.0	0.0	2.42	0.52	-2.50	-0.59	209.58	-100.71
		-100.71	-203.75	-0.03	0.0	165.0	2.42	0.52	-2.50	-0.59	-203.75	82.17
309	9	82.17	209.58	-0.02	0.0	0.0	2.42	0.52	-2.50	-0.59	209.58	-100.71
		-100.71	-203.75	-0.03	0.0	165.0	2.42	0.52	-2.50	-0.59	-203.75	82.17
309	10	-284.47	188.96	0.01	0.0	0.0	0.94	-0.52	2.38	0.72	-236.82	-284.47
		-288.90	-236.82	0.02	0.0	165.0	0.94	-0.52	2.38	0.72	188.96	-288.90
309	11	-200.32	224.24	-0.02	0.0	0.0	0.84	0.82	2.98	-0.90	-279.90	-210.68
		-210.68	-279.90	-0.05	0.0	165.0	0.84	0.82	2.98	-0.90	224.24	-200.32
309	12	12.77	0.83	3.43e-04	0.0	0.0	-14.57	-0.13	-0.01	0.01	0.83	12.77
		-8.25	-1.07	-9.61e-05	0.0	165.0	-14.57	-0.13	-0.01	0.01	-1.07	-8.25
309	13	-1.148e+04	967.72	-0.12	0.0	0.0	13.21	14.05	11.83	-2.80	-983.79	-1.380e+04
		-1.380e+04	-983.79	-0.18	0.0	165.0	13.21	14.05	11.83	-2.80	967.72	-1.148e+04
310	1	1207.36	512.98	0.03	-16.62	0.0	-0.48	-21.85	4.01	0.54	-440.63	1207.36
		-3768.34	-440.63	-0.06	3.53	165.0	-0.48	-38.46	7.55	0.54	512.98	-3768.34
310	2	4265.42	1306.13	0.09	0.0	0.0	-2.38	-87.93	15.91	0.95	-1318.77	4265.42
		-1.024e+04	-1318.77	-0.17	0.0	165.0	-2.38	-87.93	15.91	0.95	1306.13	-1.024e+04
310	3	8344.07	2555.07	0.18	0.0	0.0	-4.65	-172.01	31.12	1.86	-2579.79	8344.07
		-2.004e+04	-2579.79	-0.33	0.0	165.0	-4.65	-172.01	31.12	1.86	2555.07	-2.004e+04
310	4	266.45	626.27	-0.06	0.0	0.0	18.40	1.73	-8.45	-1.65	626.27	258.20
		258.20	-768.58	-0.10	0.0	165.0	18.40	1.73	-8.45	-1.65	-768.58	266.45
310	5	266.45	626.27	-0.06	0.0	0.0	18.40	1.73	-8.45	-1.65	626.27	258.20
		258.20	-768.58	-0.10	0.0	165.0	18.40	1.73	-8.45	-1.65	-768.58	266.45
310	6	580.14	1502.37	0.01	0.0	0.0	3.65	7.04	17.63	-2.08	-1408.36	-875.38
		-875.38	-1408.36	-0.03	0.0	165.0	3.65	7.04	17.63	-2.08	1502.37	580.14
310	7	533.74	1344.46	-0.07	0.0	0.0	3.08	4.76	15.39	-2.92	-1197.68	-577.99
		-577.99	-1197.68	-0.17	0.0	165.0	3.08	4.76	15.39	-2.92	1344.46	533.74
310	8	84.80	199.45	-0.02	0.0	0.0	5.85	0.55	-2.69	-0.52	199.45	82.16
		82.16	-244.80	-0.03	0.0	165.0	5.85	0.55	-2.69	-0.52	-244.80	84.80
310	9	84.80	199.45	-0.02	0.0	0.0	5.85	0.55	-2.69	-0.52	199.45	82.16
		82.16	-244.80	-0.03	0.0	165.0	5.85	0.55	-2.69	-0.52	-244.80	84.80
310	10	206.23	521.18	3.76e-03	0.0	0.0	1.17	2.30	6.14	-0.68	-492.11	-288.89

		-288.89	-492.11	-0.01	0.0	165.0	1.17	2.30	6.14	-0.68	521.18	206.23
310	11	186.22	465.12	-0.02	0.0	0.0	0.99	1.57	5.35	-0.94	-417.93	-200.28
		-200.28	-417.93	-0.05	0.0	165.0	0.99	1.57	5.35	-0.94	465.12	186.22
310	12	-8.24	3.07	9.70e-05	0.0	0.0	-14.63	-0.14	0.02	-6.63e-03	-0.83	-8.24
		-31.67	-0.83	-1.29e-04	0.0	165.0	-14.63	-0.14	0.02	-6.63e-03	3.07	-31.67
310	13	2.490e+04	1149.57	-0.35	0.0	0.0	13.24	220.48	12.10	-5.35	-846.45	-1.148e+04
		-1.148e+04	-846.45	-0.15	0.0	165.0	13.24	220.48	12.10	-5.35	1149.57	2.490e+04
311	1	-3768.36	666.01	-4.84e-03	-3.32	0.0	-0.77	-49.61	19.94	4.20	-3.73	-3768.36
		-5460.46	-3.73	-4.05e-03	0.71	33.0	-0.77	-52.94	20.65	4.20	666.01	-5460.46
311	2	-1.024e+04	1387.68	-0.01	0.0	0.0	-2.78	-129.21	38.50	5.62	117.05	-1.024e+04
		-1.451e+04	117.05	-8.85e-03	0.0	33.0	-2.78	-129.21	38.50	5.62	1387.68	-1.451e+04
311	3	-2.004e+04	2714.59	-0.03	0.0	0.0	-5.44	-252.76	75.32	10.99	228.97	-2.004e+04
		-2.838e+04	228.97	-0.02	0.0	33.0	-5.44	-252.76	75.32	10.99	2714.59	-2.838e+04
311	4	293.43	-55.07	-0.01	0.0	0.0	24.93	2.38	-15.74	-0.91	-55.07	266.48
		266.48	-561.61	-0.03	0.0	33.0	24.93	2.38	-15.74	-0.91	-561.61	293.43
311	5	293.43	-55.07	-0.01	0.0	0.0	24.93	2.38	-15.74	-0.91	-55.07	266.48
		266.48	-561.61	-0.03	0.0	33.0	24.93	2.38	-15.74	-0.91	-561.61	293.43
311	6	889.96	1135.59	3.52e-03	0.0	0.0	4.05	11.95	25.31	-3.47	309.21	580.38
		580.38	309.21	0.02	0.0	33.0	4.05	11.95	25.31	-3.47	1135.59	889.96
311	7	711.59	1038.05	-0.01	0.0	0.0	3.63	7.69	23.79	-4.22	269.35	533.91
		533.91	269.35	-0.01	0.0	33.0	3.63	7.69	23.79	-4.22	1038.05	711.59
311	8	93.39	-17.65	-3.59e-03	0.0	0.0	7.93	0.76	-5.02	-0.29	-17.65	84.81
		84.81	-179.01	-9.70e-03	0.0	33.0	7.93	0.76	-5.02	-0.29	-179.01	93.39
311	9	93.39	-17.65	-3.59e-03	0.0	0.0	7.93	0.76	-5.02	-0.29	-17.65	84.81
		84.81	-179.01	-9.70e-03	0.0	33.0	7.93	0.76	-5.02	-0.29	-179.01	93.39
311	10	304.19	397.39	1.12e-03	0.0	0.0	1.29	3.90	8.92	-1.19	106.14	206.31
		206.31	106.14	5.10e-03	0.0	33.0	1.29	3.90	8.92	-1.19	397.39	304.19
311	11	240.50	357.51	-4.02e-03	0.0	0.0	1.16	2.53	8.15	-1.39	94.24	186.27
		186.27	94.24	-4.00e-03	0.0	33.0	1.16	2.53	8.15	-1.39	357.51	240.50
311	12	-31.69	8.79	-1.27e-04	0.0	0.0	-14.71	-0.15	-1.49	-0.04	8.79	-31.69
		-36.62	-40.50	3.50e-05	0.0	33.0	-14.71	-0.15	-1.49	-0.04	-40.50	-36.62
311	13	3.567e+04	511.14	4.36e-03	0.0	0.0	14.12	326.31	-12.06	-20.79	511.14	2.490e+04
		2.490e+04	113.02	-3.63e-03	0.0	33.0	14.12	326.31	-12.06	-20.79	113.02	3.567e+04
312	1	-3605.83	726.04	-0.01	-3.22	0.0	-1.42	60.34	-22.07	-4.19	726.04	-5485.27
		-5485.27	30.86	4.32e-03	0.69	32.0	-1.42	57.12	-21.38	-4.19	30.86	-3605.83
312	2	-9770.16	1530.06	-0.03	0.0	0.0	-4.49	150.13	-41.53	-5.93	1530.06	-1.457e+04
		-1.457e+04	201.20	9.54e-03	0.0	32.0	-4.49	150.13	-41.53	-5.93	201.20	-9770.16
312	3	-1.911e+04	2993.13	-0.06	0.0	0.0	-8.78	293.68	-81.24	-11.60	2993.13	-2.851e+04
		-2.851e+04	393.59	0.02	0.0	32.0	-8.78	293.68	-81.24	-11.60	393.59	-1.911e+04
312	4	-737.95	407.01	-0.01	0.0	0.0	-4.59	5.90	-12.59	-2.10	407.01	-908.18
		-908.18	-54.82	-0.03	0.0	32.0	-4.59	5.90	-12.59	-2.10	-54.82	-737.95
312	5	-737.95	407.01	-0.01	0.0	0.0	-4.59	5.90	-12.59	-2.10	407.01	-908.18
		-908.18	-54.82	-0.03	0.0	32.0	-4.59	5.90	-12.59	-2.10	-54.82	-737.95
312	6	874.92	553.21	4.51e-03	0.0	0.0	1.65	-13.77	-14.13	3.90	553.21	874.92
		527.02	-200.50	0.02	0.0	32.0	1.65	-13.77	-14.13	3.90	-200.50	527.02
312	7	702.48	471.03	-0.01	0.0	0.0	1.82	-8.52	-11.24	-2.61	471.03	702.48
		541.77	-154.76	-8.54e-03	0.0	32.0	1.82	-8.52	-11.24	-2.61	-154.76	541.77
312	8	-234.67	129.98	-3.62e-03	0.0	0.0	-1.46	1.87	-4.02	-0.67	129.98	-288.77
		-288.77	-17.52	-9.82e-03	0.0	32.0	-1.46	1.87	-4.02	-0.67	-17.52	-234.67
312	9	-234.67	129.98	-3.62e-03	0.0	0.0	-1.46	1.87	-4.02	-0.67	129.98	-288.77
		-288.77	-17.52	-9.82e-03	0.0	32.0	-1.46	1.87	-4.02	-0.67	-17.52	-234.67
312	10	300.41	192.99	1.45e-03	0.0	0.0	0.54	-4.57	-4.85	1.30	192.99	300.41
		187.64	-68.20	6.58e-03	0.0	32.0	0.54	-4.57	-4.85	1.30	-68.20	187.64
312	11	237.98	163.25	-3.51e-03	0.0	0.0	0.59	-2.87	-3.86	-0.88	163.25	237.98
		189.91	-53.78	-2.72e-03	0.0	32.0	0.59	-2.87	-3.86	-0.88	-53.78	189.91
312	12	102.45	38.50	-7.58e-05	0.0	0.0	-8.91	-0.51	-1.51	-0.02	38.50	102.45
		85.97	-9.72	-4.48e-05	0.0	32.0	-8.91	-0.51	-1.51	-0.02	-9.72	85.97
312	13	3.573e+04	-502.49	0.05	0.0	0.0	14.88	-377.08	75.77	14.33	-2927.12	3.573e+04
		2.367e+04	-2927.12	-0.02	0.0	32.0	14.88	-377.08	75.77	14.33	-502.49	2.367e+04
313	1	2606.55	612.37	-0.11	-16.62	0.0	-1.15	45.96	-8.60	-0.43	612.37	-3606.20
		-3606.20	-514.65	0.08	3.53	165.0	-1.15	29.34	-5.06	-0.43	-514.65	2606.55
313	2	8166.00	1547.02	-0.29	0.0	0.0	-4.12	108.71	-18.46	-1.16	1547.02	-9770.91
		-9770.91	-1498.15	0.20	0.0	165.0	-4.12	108.71	-18.46	-1.16	-1498.15	8166.00
313	3	1.597e+04	3026.30	-0.57	0.0	0.0	-8.07	212.66	-36.10	-2.28	3026.30	-1.911e+04
		-1.911e+04	-2930.70	0.39	0.0	165.0	-8.07	212.66	-36.10	-2.28	-2930.70	1.597e+04
313	4	-301.42	569.76	-0.07	0.0	0.0	1.96	4.86	-6.10	-1.77	569.76	-737.95
		-737.95	-437.92	-0.12	0.0	165.0	1.96	4.86	-6.10	-1.77	-437.92	-301.42
313	5	-301.42	569.76	-0.07	0.0	0.0	1.96	4.86	-6.10	-1.77	569.76	-737.95
		-737.95	-437.92	-0.12	0.0	165.0	1.96	4.86	-6.10	-1.77	-437.92	-301.42
313	6	527.30	735.11	0.02	0.0	0.0	1.51	-8.81	-8.24	-1.86	735.11	527.30
		-1163.85	-648.46	0.08	0.0	165.0	1.51	-8.81	-8.24	-1.86	-648.46	-1163.85
313	7	541.88	-496.13	-0.05	0.0	0.0	1.80	-5.39	-6.81	-2.68	-635.02	541.88
		-780.06	-635.02	-0.08	0.0	165.0	1.80	-5.39	-6.81	-2.68	-496.13	-780.06
313	8	-96.10	181.63	-0.02	0.0	0.0	0.62	1.54	-1.94	-0.56	181.63	-234.67
		-234.67	-139.65	-0.04	0.0	165.0	0.62	1.54	-1.94	-0.56	-139.65	-96.10
313	9	-96.10	181.63	-0.02	0.0	0.0	0.62	1.54	-1.94	-0.56	181.63	-234.67

		-234.67	-139.65	-0.04	0.0	165.0	0.62	1.54	-1.94	-0.56	-139.65	-96.10
313	10	187.74	255.11	7.74e-03	0.0	0.0	0.49	-2.94	-2.89	-0.61	255.11	187.74
		-387.02	-229.37	0.02	0.0	165.0	0.49	-2.94	-2.89	-0.61	-229.37	-387.02
313	11	189.94	-174.97	-0.02	0.0	0.0	0.59	-1.82	-2.37	-0.86	-219.51	189.94
		-277.10	-219.51	-0.03	0.0	165.0	0.59	-1.82	-2.37	-0.86	-174.97	-277.10
313	12	85.96	3.72	1.16e-03	0.0	0.0	-8.99	-0.50	0.06	0.03	-6.93	85.96
		2.67	-6.93	-6.36e-04	0.0	165.0	-8.99	-0.50	0.06	0.03	3.72	2.67
313	13	2.367e+04	2535.97	0.57	0.0	0.0	13.97	-271.00	35.11	-1.47	-3257.80	2.367e+04
		-2.105e+04	-3257.80	-0.47	0.0	165.0	13.97	-271.00	35.11	-1.47	2535.97	-2.105e+04
314	1	4203.36	73.51	-0.03	-16.62	0.0	-1.23	17.99	-3.21	0.17	73.51	2606.01
		2606.01	-166.52	0.02	3.53	165.0	-1.23	1.37	0.32	0.17	-164.31	4203.36
314	2	1.243e+04	41.69	-0.08	0.0	0.0	-4.32	25.85	-3.58	-0.25	41.69	8165.10
		8165.10	-548.72	0.06	0.0	165.0	-4.32	25.85	-3.58	-0.25	-548.72	1.243e+04
314	3	2.432e+04	81.55	-0.16	0.0	0.0	-8.45	50.58	-7.00	-0.50	81.55	1.597e+04
		1.597e+04	-1073.42	0.11	0.0	165.0	-8.45	50.58	-7.00	-0.50	-1073.42	2.432e+04
314	4	683.71	639.74	-0.06	0.0	0.0	12.75	3.58	-7.43	-1.75	639.74	-301.36
		-301.36	-587.15	-0.08	0.0	165.0	12.75	3.58	-7.43	-1.75	-587.15	683.71
314	5	683.71	639.74	-0.06	0.0	0.0	12.75	3.58	-7.43	-1.75	639.74	-301.36
		-301.36	-587.15	-0.08	0.0	165.0	12.75	3.58	-7.43	-1.75	-587.15	683.71
314	6	-1163.28	914.64	-9.70e-03	0.0	0.0	2.20	-1.68	12.74	-1.86	-1204.29	-1163.28
		-1330.20	-1204.29	-0.05	0.0	165.0	2.20	-1.68	12.74	-1.86	914.64	-1330.20
314	7	-779.63	724.33	-0.06	0.0	0.0	2.15	-1.51	9.40	-2.84	-833.57	-779.63
		-798.60	-833.57	-0.13	0.0	165.0	2.15	-1.51	9.40	-2.84	724.33	-798.60
314	8	217.47	203.66	-0.02	0.0	0.0	4.05	1.14	-2.36	-0.56	203.66	-96.09
		-96.09	-187.03	-0.03	0.0	165.0	4.05	1.14	-2.36	-0.56	-187.03	217.47
314	9	217.47	203.66	-0.02	0.0	0.0	4.05	1.14	-2.36	-0.56	203.66	-96.09
		-96.09	-187.03	-0.03	0.0	165.0	4.05	1.14	-2.36	-0.56	-187.03	217.47
314	10	-386.83	302.06	-3.20e-03	0.0	0.0	0.71	-0.59	4.20	-0.62	-397.17	-386.83
		-441.10	-397.17	-0.01	0.0	165.0	0.71	-0.59	4.20	-0.62	302.06	-441.10
314	11	-275.77	243.21	-0.02	0.0	0.0	0.69	-0.54	3.15	-0.93	-278.75	-276.95
		-276.95	-278.75	-0.04	0.0	165.0	0.69	-0.54	3.15	-0.93	243.21	-275.77
314	12	2.71	1.78	1.25e-03	0.0	0.0	-9.06	-0.52	0.02	0.05	-2.01	2.71
		-83.39	-2.01	-7.70e-04	0.0	165.0	-9.06	-0.52	0.02	0.05	1.78	-83.39
314	13	-2.104e+04	3108.27	0.10	0.0	0.0	14.34	-62.99	37.75	-4.14	-3120.45	-2.104e+04
		-3.144e+04	-3120.45	-0.57	0.0	165.0	14.34	-62.99	37.75	-4.14	3108.27	-3.144e+04
315	1	4202.99	366.08	0.13	-16.62	0.0	-1.20	-9.97	2.42	1.14	-324.87	4202.99
		1187.41	-324.87	-0.04	3.53	165.0	-1.20	-26.58	5.95	1.14	366.08	1187.41
315	2	1.243e+04	932.37	0.36	0.0	0.0	-4.25	-57.41	11.87	1.75	-1025.59	1.243e+04
		2958.08	-1025.59	-0.11	0.0	165.0	-4.25	-57.41	11.87	1.75	932.37	2958.08
315	3	2.432e+04	1823.92	0.71	0.0	0.0	-8.32	-112.30	23.21	3.42	-2006.28	2.432e+04
		5786.63	-2006.28	-0.22	0.0	165.0	-8.32	-112.30	23.21	3.42	1823.92	5786.63
315	4	1076.87	690.80	-0.04	0.0	0.0	23.53	3.27	-9.23	-1.06	690.80	683.43
		683.43	-831.98	-0.07	0.0	165.0	23.53	3.27	-9.23	-1.06	-831.98	1076.87
315	5	1076.87	690.80	-0.04	0.0	0.0	23.53	3.27	-9.23	-1.06	690.80	683.43
		683.43	-831.98	-0.07	0.0	165.0	23.53	3.27	-9.23	-1.06	-831.98	1076.87
315	6	-306.77	1921.43	-0.05	0.0	0.0	3.23	6.38	21.77	-2.77	-1672.68	-1329.65
		-1329.65	-1672.68	-0.11	0.0	165.0	3.23	6.38	21.77	-2.77	1921.43	-306.77
315	7	-201.88	1108.94	-0.07	0.0	0.0	2.97	3.92	12.36	-3.36	-932.01	-798.15
		-798.15	-932.01	-0.14	0.0	165.0	2.97	3.92	12.36	-3.36	1108.94	-201.88
315	8	342.38	219.71	-0.01	0.0	0.0	7.48	1.04	-2.93	-0.34	219.71	217.38
		217.38	-264.64	-0.02	0.0	165.0	7.48	1.04	-2.93	-0.34	-264.64	342.38
315	9	342.38	219.71	-0.01	0.0	0.0	7.48	1.04	-2.93	-0.34	219.71	217.38
		217.38	-264.64	-0.02	0.0	165.0	7.48	1.04	-2.93	-0.34	-264.64	342.38
315	10	-100.76	632.34	-0.02	0.0	0.0	1.04	2.12	7.17	-0.97	-551.21	-440.92
		-440.92	-551.21	-0.04	0.0	165.0	1.04	2.12	7.17	-0.97	632.34	-100.76
315	11	-66.70	368.82	-0.02	0.0	0.0	0.95	1.37	4.11	-1.13	-310.27	-275.61
		-275.61	-310.27	-0.04	0.0	165.0	0.95	1.37	4.11	-1.13	368.82	-66.70
315	12	-83.37	8.54	-2.24e-03	0.0	0.0	-9.14	-0.60	0.08	-0.06	-4.20	-83.37
		-182.96	-4.20	-6.54e-04	0.0	165.0	-9.14	-0.60	0.08	-0.06	8.54	-182.96
315	13	-7384.68	3397.35	-1.11	0.0	0.0	14.62	145.75	36.28	-9.08	-2588.31	-3.143e+04
		-3.143e+04	-2588.31	-0.47	0.0	165.0	14.62	145.75	36.28	-9.08	3397.35	-7384.68
316	1	1187.09	475.48	0.04	-3.32	0.0	-1.40	-37.50	14.58	3.53	-17.17	1187.09
		-105.41	-17.17	-3.12e-03	0.71	33.0	-1.40	-40.83	15.28	3.53	475.48	-105.41
316	2	2957.55	938.57	0.10	0.0	0.0	-4.46	-98.19	26.19	3.32	74.34	2957.55
		-282.69	74.34	-6.55e-03	0.0	33.0	-4.46	-98.19	26.19	3.32	938.57	-282.69
316	3	5785.59	1836.04	0.19	0.0	0.0	-8.73	-192.08	51.23	6.50	145.42	5785.59
		-553.01	145.42	-0.01	0.0	33.0	-8.73	-192.08	51.23	6.50	1836.04	-553.01
316	4	1148.48	-112.04	-3.67e-03	0.0	0.0	30.07	3.55	-14.24	0.48	-112.04	1077.24
		1077.24	-550.53	-0.03	0.0	33.0	30.07	3.55	-14.24	0.48	-550.53	1148.48
316	5	1148.48	-112.04	-3.67e-03	0.0	0.0	30.07	3.55	-14.24	0.48	-112.04	1077.24
		1077.24	-550.53	-0.03	0.0	33.0	30.07	3.55	-14.24	0.48	-550.53	1148.48
316	6	157.69	1350.99	-0.01	0.0	0.0	3.81	11.03	27.90	-4.65	434.73	-306.59
		-306.59	434.73	0.01	0.0	33.0	3.81	11.03	27.90	-4.65	1350.99	157.69
316	7	133.91	835.24	-0.01	0.0	0.0	3.67	6.00	18.80	-4.32	235.84	-201.71
		-201.71	235.84	-5.70e-03	0.0	33.0	3.67	6.00	18.80	-4.32	835.24	133.91
316	8	365.15	-35.64	-1.17e-03	0.0	0.0	9.56	1.13	-4.53	0.15	-35.64	342.50

		342.50	-175.23	-9.83e-03	0.0	33.0	9.56	1.13	-4.53	0.15	-175.23	365.15
316	9	365.15	-35.64	-1.17e-03	0.0	0.0	9.56	1.13	-4.53	0.15	-35.64	342.50
		342.50	-175.23	-9.83e-03	0.0	33.0	9.56	1.13	-4.53	0.15	-175.23	365.15
316	10	50.59	444.55	-3.71e-03	0.0	0.0	1.22	3.62	9.18	-1.60	143.24	-100.68
		-100.68	143.24	4.34e-03	0.0	33.0	1.22	3.62	9.18	-1.60	444.55	50.59
316	11	43.17	275.64	-4.57e-03	0.0	0.0	1.17	2.02	6.16	-1.46	79.34	-66.62
		-66.62	79.34	-1.80e-03	0.0	33.0	1.17	2.02	6.16	-1.46	275.64	43.17
316	12	-183.03	14.18	-1.21e-03	0.0	0.0	-9.25	-0.64	-2.31	-0.19	14.18	-183.03
		-204.29	-62.13	3.96e-05	0.0	33.0	-9.25	-0.64	-2.31	-0.19	-62.13	-204.29
316	13	861.62	2117.49	-0.29	0.0	0.0	14.95	249.84	36.43	-15.96	915.15	-7383.05
		-7383.05	915.15	-0.02	0.0	33.0	14.95	249.84	36.43	-15.96	2117.49	861.62
317	1	-4362.02	-149.19	-0.01	-29.66	0.0	371.86	-119.79	0.81	-99.91	-230.38	-4362.02
		-1.785e+04	-230.38	1.75e-04	0.0	100.2	378.17	-149.45	0.81	-99.91	-149.19	-1.785e+04
317	2	-2935.88	-394.69	0.01	0.0	0.0	302.35	-144.54	0.30	-276.07	-425.13	-2935.88
		-1.742e+04	-425.13	3.62e-04	0.0	100.2	302.35	-144.54	0.30	-276.07	-394.69	-1.742e+04
317	3	-5743.20	-772.09	0.02	0.0	0.0	591.46	-282.76	0.59	-540.05	-831.64	-5743.20
		-3.407e+04	-831.64	7.08e-04	0.0	100.2	591.46	-282.76	0.59	-540.05	-772.09	-3.407e+04
317	4	5967.55	-337.45	0.21	0.0	0.0	-24.57	21.61	-36.95	-1150.49	-337.45	3822.25
		3822.25	-3963.79	-0.11	0.0	100.2	-24.57	21.61	-36.95	-1150.49	-3963.79	5967.55
317	5	5967.55	-337.45	0.21	0.0	0.0	-24.57	21.61	-36.95	-1150.49	-337.45	3822.25
		3822.25	-3963.79	-0.11	0.0	100.2	-24.57	21.61	-36.95	-1150.49	-3963.79	5967.55
317	6	1.017e+04	574.26	0.30	0.0	0.0	22.44	39.31	6.68	126.34	-410.99	6228.67
		6228.67	-410.99	0.01	0.0	100.2	22.44	39.31	6.68	126.34	574.26	1.017e+04
317	7	1.933e+04	-516.46	0.61	0.0	0.0	30.94	74.98	8.48	148.16	-852.38	1.182e+04
		1.182e+04	-852.38	-0.01	0.0	100.2	30.94	74.98	8.48	148.16	-516.46	1.933e+04
317	8	1897.71	-107.31	0.07	0.0	0.0	-7.83	6.87	-11.75	-365.79	-107.31	1215.44
		1215.44	-1260.26	-0.03	0.0	100.2	-7.83	6.87	-11.75	-365.79	-1260.26	1897.71
317	9	1897.71	-107.31	0.07	0.0	0.0	-7.83	6.87	-11.75	-365.79	-107.31	1215.44
		1215.44	-1260.26	-0.03	0.0	100.2	-7.83	6.87	-11.75	-365.79	-1260.26	1897.71
317	10	3342.44	183.31	0.09	0.0	0.0	8.02	12.94	2.15	40.49	-136.05	2046.75
		2046.75	-136.05	3.25e-03	0.0	100.2	8.02	12.94	2.15	40.49	183.31	3342.44
317	11	6272.69	-164.52	0.19	0.0	0.0	11.45	24.33	2.74	47.31	-276.31	3835.75
		3835.75	-276.31	-3.29e-03	0.0	100.2	11.45	24.33	2.74	47.31	-164.52	6272.69
317	12	10.21	185.67	-2.41e-04	0.0	0.0	-0.66	-0.57	-8.73	-206.00	185.67	10.21
		-47.31	-689.46	7.84e-04	0.0	100.2	-0.66	-0.57	-8.73	-206.00	-689.46	-47.31
317	13	7.277e+04	1239.29	1.25	0.0	0.0	-650.07	463.98	24.77	806.07	-1242.73	2.628e+04
		2.628e+04	-1242.73	-7.89e-04	0.0	100.2	-650.07	463.98	24.77	806.07	1239.29	7.277e+04
318	1	-7697.96	31.20	-0.03	-29.66	0.0	594.52	-223.05	0.23	24.79	8.49	-7697.96
		-3.153e+04	8.49	-7.02e-05	0.0	100.2	600.83	-252.71	0.23	24.79	31.20	-3.153e+04
318	2	-7034.51	82.66	7.70e-03	0.0	0.0	799.12	-405.52	0.65	66.26	17.38	-7034.51
		-4.766e+04	17.38	-2.01e-04	0.0	100.2	799.12	-405.52	0.65	66.26	82.66	-4.766e+04
318	3	-1.376e+04	161.69	0.02	0.0	0.0	1563.24	-793.28	1.27	129.62	33.99	-1.376e+04
		-9.324e+04	33.99	-3.92e-04	0.0	100.2	1563.24	-793.28	1.27	129.62	161.69	-9.324e+04
318	4	5548.83	-495.16	0.15	0.0	0.0	-8.44	24.10	-33.94	-1169.21	-495.16	3134.82
		3134.82	-3876.52	-0.11	0.0	100.2	-8.44	24.10	-33.94	-1169.21	-3876.52	5548.83
318	5	5548.83	-495.16	0.15	0.0	0.0	-8.44	24.10	-33.94	-1169.21	-495.16	3134.82
		3134.82	-3876.52	-0.11	0.0	100.2	-8.44	24.10	-33.94	-1169.21	-3876.52	5548.83
318	6	1.928e+04	552.97	0.37	0.0	0.0	49.24	76.09	8.07	126.69	-557.39	1.168e+04
		1.168e+04	-557.39	0.01	0.0	100.2	49.24	76.09	8.07	126.69	552.97	1.928e+04
318	7	2.797e+04	-525.87	0.63	0.0	0.0	67.19	112.98	7.77	-134.20	-675.65	1.668e+04
		1.668e+04	-675.65	-0.01	0.0	100.2	67.19	112.98	7.77	-134.20	-525.87	2.797e+04
318	8	1764.23	-157.54	0.05	0.0	0.0	-2.68	7.66	-10.79	-371.74	-157.54	996.71
		996.71	-1232.51	-0.03	0.0	100.2	-2.68	7.66	-10.79	-371.74	-1232.51	1764.23
318	9	1764.23	-157.54	0.05	0.0	0.0	-2.68	7.66	-10.79	-371.74	-157.54	996.71
		996.71	-1232.51	-0.03	0.0	100.2	-2.68	7.66	-10.79	-371.74	-1232.51	1764.23
318	10	6735.63	175.97	0.12	0.0	0.0	18.36	26.30	2.63	40.38	-185.87	4109.20
		4109.20	-185.87	3.26e-03	0.0	100.2	18.36	26.30	2.63	40.38	175.97	6735.63
318	11	9581.67	-167.35	0.20	0.0	0.0	24.97	38.31	2.55	-42.71	-222.82	5756.29
		5756.29	-222.82	-3.31e-03	0.0	100.2	24.97	38.31	2.55	-42.71	-167.35	9581.67
318	12	38.25	125.09	1.82e-05	0.0	0.0	-0.83	0.42	-5.79	-139.42	125.09	-3.87
		-3.87	-455.46	4.82e-04	0.0	100.2	-0.83	0.42	-5.79	-139.42	-455.46	38.25
318	13	1.496e+05	13.46	1.48	0.0	0.0	-1861.54	1120.37	14.70	-85.14	-1459.85	3.737e+04
		3.737e+04	-1459.85	5.47e-04	0.0	100.2	-1861.54	1120.37	14.70	-85.14	13.46	1.496e+05
319	1	-7613.76	-4.03	-0.03	-29.66	0.0	555.95	-201.92	0.11	-5.44	-14.76	-7613.76
		-2.933e+04	-14.76	-3.45e-05	0.0	100.2	562.26	-231.58	0.11	-5.44	-4.03	-2.933e+04
319	2	-7257.17	-13.21	-7.70e-03	0.0	0.0	704.46	-348.69	0.24	-14.13	-37.43	-7257.17
		-4.219e+04	-37.43	-1.07e-04	0.0	100.2	704.46	-348.69	0.24	-14.13	-13.21	-4.219e+04
319	3	-1.420e+04	-25.85	-0.02	0.0	0.0	1378.07	-682.11	0.47	-27.64	-73.21	-1.420e+04
		-8.254e+04	-73.21	-2.10e-04	0.0	100.2	1378.07	-682.11	0.47	-27.64	-25.85	-8.254e+04
319	4	3038.37	-518.56	0.08	0.0	0.0	5.35	12.58	-33.58	-1162.65	-518.56	1779.91
		1779.91	-3863.07	-0.11	0.0	100.2	5.35	12.58	-33.58	-1162.65	-3863.07	3038.37
319	5	3038.37	-518.56	0.08	0.0	0.0	5.35	12.58	-33.58	-1162.65	-518.56	1779.91
		1779.91	-3863.07	-0.11	0.0	100.2	5.35	12.58	-33.58	-1162.65	-3863.07	3038.37
319	6	2.287e+04	557.00	0.44	0.0	0.0	60.73	89.45	7.98	127.80	-479.09	1.393e+04
		1.393e+04	-479.09	0.01	0.0	100.2	60.73	89.45	7.98	127.80	557.00	2.287e+04
319	7	2.847e+04	-364.91	0.59	0.0	0.0	75.23	112.82	-6.68	-131.77	-364.91	1.719e+04

		1.719e+04	-545.58	-0.01	0.0	100.2	75.23	112.82	-6.68	-131.77	-545.58	2.847e+04
319	8	966.23	-164.90	0.03	0.0	0.0	1.70	4.00	-10.68	-369.65	-164.90	566.00
		566.00	-1228.24	-0.03	0.0	100.2	1.70	4.00	-10.68	-369.65	-1228.24	966.23
319	9	966.23	-164.90	0.03	0.0	0.0	1.70	4.00	-10.68	-369.65	-164.90	566.00
		566.00	-1228.24	-0.03	0.0	100.2	1.70	4.00	-10.68	-369.65	-1228.24	966.23
319	10	8011.36	177.26	0.14	0.0	0.0	22.75	31.04	2.58	40.70	-159.49	4908.78
		4908.78	-159.49	3.26e-03	0.0	100.2	22.75	31.04	2.58	40.70	177.26	8011.36
319	11	9884.03	-122.65	0.19	0.0	0.0	28.12	38.82	-2.16	-42.03	-122.65	6003.47
		6003.47	-173.60	-3.31e-03	0.0	100.2	28.12	38.82	-2.16	-42.03	-173.60	9884.03
319	12	9.41	60.12	1.38e-04	0.0	0.0	-0.12	0.06	-2.88	-69.34	60.12	3.34
		3.34	-228.21	2.40e-04	0.0	100.2	-0.12	0.06	-2.88	-69.34	-228.21	9.41
319	13	1.398e+05	132.76	1.59	0.0	0.0	-1630.24	994.89	6.55	65.47	-523.76	4.013e+04
		4.013e+04	-523.76	-4.98e-04	0.0	100.2	-1630.24	994.89	6.55	65.47	132.76	1.398e+05
320	1	-7399.66	0.28	-0.03	-29.66	0.0	562.73	-207.94	7.69e-03	-0.03	-0.49	-7399.66
		-2.972e+04	-0.49	-1.71e-05	0.0	100.2	569.04	-237.60	7.69e-03	-0.03	0.28	-2.972e+04
320	2	-6785.30	0.10	7.73e-03	0.0	0.0	724.72	-364.42	0.01	-0.10	-1.31	-6785.30
		-4.330e+04	-1.31	-6.03e-05	0.0	100.2	724.72	-364.42	0.01	-0.10	0.10	-4.330e+04
320	3	-1.327e+04	0.21	0.02	0.0	0.0	1417.71	-712.89	0.03	-0.19	-2.56	-1.327e+04
		-8.470e+04	-2.56	-1.18e-04	0.0	100.2	1417.71	-712.89	0.03	-0.19	0.21	-8.470e+04
320	4	11.02	-560.56	3.08e-04	0.0	0.0	-0.41	0.05	-33.51	-1163.11	-560.56	6.42
		6.42	-3861.54	-0.11	0.0	100.2	-0.41	0.05	-33.51	-1163.11	-3861.54	11.02
320	5	11.02	-560.56	3.08e-04	0.0	0.0	-0.41	0.05	-33.51	-1163.11	-560.56	6.42
		6.42	-3861.54	-0.11	0.0	100.2	-0.41	0.05	-33.51	-1163.11	-3861.54	11.02
320	6	2.494e+04	555.03	0.52	0.0	0.0	65.25	99.26	6.77	128.18	-251.27	1.502e+04
		1.502e+04	-251.27	0.01	0.0	100.2	65.25	99.26	6.77	128.18	555.03	2.494e+04
320	7	2.493e+04	250.15	0.52	0.0	0.0	65.42	99.08	-6.79	-128.97	250.15	1.502e+04
		1.502e+04	-558.03	-0.01	0.0	100.2	65.42	99.08	-6.79	-128.97	-558.03	2.493e+04
320	8	3.50	-178.24	9.78e-05	0.0	0.0	-0.13	0.01	-10.66	-369.80	-178.24	2.04
		2.04	-1227.75	-0.03	0.0	100.2	-0.13	0.01	-10.66	-369.80	-1227.75	3.50
320	9	3.50	-178.24	9.78e-05	0.0	0.0	-0.13	0.01	-10.66	-369.80	-178.24	2.04
		2.04	-1227.75	-0.03	0.0	100.2	-0.13	0.01	-10.66	-369.80	-1227.75	3.50
320	10	8639.27	176.78	0.17	0.0	0.0	24.39	34.09	2.17	40.81	-84.32	5231.73
		5231.73	-84.32	3.26e-03	0.0	100.2	24.39	34.09	2.17	40.81	176.78	8639.27
320	11	8635.34	83.84	0.17	0.0	0.0	24.44	34.02	-2.17	-41.06	83.84	5234.91
		5234.91	-177.73	-3.31e-03	0.0	100.2	24.44	34.02	-2.17	-41.06	-177.73	8635.34
320	12	18.15	0.02	1.40e-04	0.0	0.0	-0.28	0.17	7.63e-05	5.01e-04	0.02	1.08
		1.08	0.02	0.0	0.0	100.2	-0.28	0.17	7.63e-05	5.01e-04	0.02	18.15
320	13	1.433e+05	0.54	1.61	0.0	0.0	-1678.24	1036.21	-0.05	-0.13	0.54	3.949e+04
		3.949e+04	-4.14	-3.99e-04	0.0	100.2	-1678.24	1036.21	-0.05	-0.13	-4.14	1.433e+05
321	1	-7613.77	13.86	-0.03	-29.66	0.0	555.95	-201.92	-0.09	5.37	13.86	-7613.77
		-2.933e+04	4.60	-8.91e-06	0.0	100.2	562.26	-231.58	-0.09	5.37	4.60	-2.933e+04
321	2	-7257.48	35.06	-7.69e-03	0.0	0.0	704.46	-348.69	-0.22	13.93	35.06	-7257.48
		-4.219e+04	13.43	-3.02e-05	0.0	100.2	704.46	-348.69	-0.22	13.93	13.43	-4.219e+04
321	3	-1.420e+04	68.58	-0.02	0.0	0.0	1378.07	-682.11	-0.42	27.26	68.58	-1.420e+04
		-8.254e+04	26.28	-5.91e-05	0.0	100.2	1378.07	-682.11	-0.42	27.26	26.28	-8.254e+04
321	4	-1780.68	-518.83	-0.08	0.0	0.0	-5.12	-12.59	-33.58	-1162.64	-518.83	-1780.68
		-3039.85	-3863.09	-0.11	0.0	100.2	-5.12	-12.59	-33.58	-1162.64	-3863.09	-3039.85
321	5	-1780.68	-518.83	-0.08	0.0	0.0	-5.12	-12.59	-33.58	-1162.64	-518.83	-1780.68
		-3039.85	-3863.09	-0.11	0.0	100.2	-5.12	-12.59	-33.58	-1162.64	-3863.09	-3039.85
321	6	2.848e+04	542.55	0.59	0.0	0.0	75.10	112.76	6.64	131.01	363.19	1.721e+04
		1.721e+04	363.19	0.01	0.0	100.2	75.10	112.76	6.64	131.01	542.55	2.848e+04
321	7	2.287e+04	478.30	0.44	0.0	0.0	61.21	89.42	-7.99	-128.53	478.30	1.394e+04
		1.394e+04	-559.89	-0.01	0.0	100.2	61.21	89.42	-7.99	-128.53	-559.89	2.287e+04
321	8	-566.25	-164.99	-0.03	0.0	0.0	-1.63	-4.00	-10.68	-369.65	-164.99	-566.25
		-966.70	-1228.24	-0.03	0.0	100.2	-1.63	-4.00	-10.68	-369.65	-1228.24	-966.70
321	9	-566.25	-164.99	-0.03	0.0	0.0	-1.63	-4.00	-10.68	-369.65	-164.99	-566.25
		-966.70	-1228.24	-0.03	0.0	100.2	-1.63	-4.00	-10.68	-369.65	-1228.24	-966.70
321	10	9886.10	172.64	0.19	0.0	0.0	28.08	38.79	2.15	41.79	121.92	6008.92
		6008.92	121.92	3.26e-03	0.0	100.2	28.08	38.79	2.15	41.79	172.64	9886.10
321	11	8014.72	159.23	0.14	0.0	0.0	22.93	31.04	-2.58	-40.93	159.23	4912.96
		4912.96	-178.18	-3.31e-03	0.0	100.2	22.93	31.04	-2.58	-40.93	-178.18	8014.72
321	12	9.42	228.26	1.38e-04	0.0	0.0	-0.08	0.06	2.88	69.34	-60.09	3.34
		3.34	-60.09	-2.40e-04	0.0	100.2	-0.08	0.06	2.88	69.34	228.26	9.42
321	13	1.398e+05	525.19	1.59	0.0	0.0	-1630.58	994.86	-6.65	-65.77	525.19	4.012e+04
		4.012e+04	-141.13	-3.39e-04	0.0	100.2	-1630.58	994.86	-6.65	-65.77	-141.13	1.398e+05
322	1	-7697.68	-9.94	-0.03	-29.66	0.0	594.51	-223.05	-0.21	-24.85	-9.94	-7697.68
		-3.153e+04	-30.64	4.23e-05	0.0	100.2	600.82	-252.71	-0.21	-24.85	-30.64	-3.153e+04
322	2	-7033.45	-21.08	7.71e-03	0.0	0.0	799.09	-405.51	-0.61	-66.45	-21.08	-7033.45
		-4.766e+04	-82.47	1.01e-04	0.0	100.2	799.09	-405.51	-0.61	-66.45	-82.47	-4.766e+04
322	3	-1.376e+04	-41.24	0.02	0.0	0.0	1563.19	-793.27	-1.20	-129.99	-41.24	-1.376e+04
		-9.324e+04	-161.32	1.97e-04	0.0	100.2	1563.19	-793.27	-1.20	-129.99	-161.32	-9.324e+04
322	4	-3134.29	-496.14	-0.15	0.0	0.0	7.77	-24.10	-33.93	-1169.20	-496.14	-3134.29
		-5548.03	-3876.56	-0.11	0.0	100.2	7.77	-24.10	-33.93	-1169.20	-3876.56	-5548.03
322	5	-3134.29	-496.14	-0.15	0.0	0.0	7.77	-24.10	-33.93	-1169.20	-496.14	-3134.29
		-5548.03	-3876.56	-0.11	0.0	100.2	7.77	-24.10	-33.93	-1169.20	-3876.56	-5548.03
322	6	2.796e+04	678.74	0.63	0.0	0.0	66.98	113.00	-7.79	133.52	678.74	1.667e+04

		1.667e+04	522.92	0.01	0.0	100.2	66.98	113.00	-7.79	133.52	522.92	2.796e+04
322	7	1.927e+04	560.04	0.37	0.0	0.0	49.36	76.19	-8.10	-127.42	560.04	1.166e+04
		1.166e+04	-555.86	-0.01	0.0	100.2	49.36	76.19	-8.10	-127.42	-555.86	1.927e+04
322	8	-996.54	-157.85	-0.05	0.0	0.0	2.47	-7.66	-10.79	-371.73	-157.85	-996.54
		-1763.98	-1232.53	-0.03	0.0	100.2	2.47	-7.66	-10.79	-371.73	-1232.53	-1763.98
322	9	-996.54	-157.85	-0.05	0.0	0.0	2.47	-7.66	-10.79	-371.73	-157.85	-996.54
		-1763.98	-1232.53	-0.03	0.0	100.2	2.47	-7.66	-10.79	-371.73	-1232.53	-1763.98
322	10	9579.26	224.02	0.20	0.0	0.0	24.90	38.32	-2.56	42.50	224.02	5752.48
		5752.48	166.42	3.26e-03	0.0	100.2	24.90	38.32	-2.56	42.50	166.42	9579.26
322	11	6734.20	187.03	0.12	0.0	0.0	18.40	26.35	-2.64	-40.61	187.03	4102.34
		4102.34	-176.89	-3.31e-03	0.0	100.2	18.40	26.35	-2.64	-40.61	-176.89	6734.20
322	12	38.25	455.51	1.81e-05	0.0	0.0	-0.74	0.42	5.79	139.42	-125.03	-3.86
		-3.86	-125.03	-4.83e-04	0.0	100.2	-0.74	0.42	5.79	139.42	455.51	38.25
322	13	1.496e+05	1467.39	1.48	0.0	0.0	-1862.10	1120.25	-14.87	84.62	1467.39	3.735e+04
		3.735e+04	-22.01	-8.77e-04	0.0	100.2	-1862.10	1120.25	-14.87	84.62	-22.01	1.496e+05
323	1	-4360.06	232.29	-0.01	-29.66	0.0	372.00	-119.68	-0.82	99.84	232.29	-4360.06
		-1.784e+04	149.93	-1.94e-04	0.0	100.2	378.31	-149.34	-0.82	99.84	149.93	-1.784e+04
323	2	-2922.61	427.63	0.01	0.0	0.0	301.19	-143.91	-0.32	275.87	427.63	-2922.61
		-1.734e+04	395.32	-4.25e-04	0.0	100.2	301.19	-143.91	-0.32	275.87	395.32	-1.734e+04
323	3	-5717.25	836.53	0.02	0.0	0.0	589.19	-281.52	-0.63	539.67	836.53	-5717.25
		-3.392e+04	773.34	-8.31e-04	0.0	100.2	589.19	-281.52	-0.63	539.67	773.34	-3.392e+04
323	4	-3819.42	-341.94	-0.21	0.0	0.0	24.17	-21.58	-36.92	-1150.47	-341.94	-3819.42
		-5961.86	-3967.29	-0.11	0.0	100.2	24.17	-21.58	-36.92	-1150.47	-3967.29	-5961.86
323	5	-3819.42	-341.94	-0.21	0.0	0.0	24.17	-21.58	-36.92	-1150.47	-341.94	-3819.42
		-5961.86	-3967.29	-0.11	0.0	100.2	24.17	-21.58	-36.92	-1150.47	-3967.29	-5961.86
323	6	1.931e+04	852.44	0.61	0.0	0.0	30.51	74.89	-8.48	-147.65	852.44	1.181e+04
		1.181e+04	514.01	0.01	0.0	100.2	30.51	74.89	-8.48	-147.65	514.01	1.931e+04
323	7	1.015e+04	411.52	0.30	0.0	0.0	22.00	39.22	-6.69	-127.02	411.52	6224.48
		6224.48	-577.68	-0.01	0.0	100.2	22.00	39.22	-6.69	-127.02	-577.68	1.015e+04
323	8	-1214.54	-108.73	-0.07	0.0	0.0	7.70	-6.86	-11.74	-365.78	-108.73	-1214.54
		-1895.90	-1261.37	-0.03	0.0	100.2	7.70	-6.86	-11.74	-365.78	-1261.37	-1895.90
323	9	-1214.54	-108.73	-0.07	0.0	0.0	7.70	-6.86	-11.74	-365.78	-108.73	-1214.54
		-1895.90	-1261.37	-0.03	0.0	100.2	7.70	-6.86	-11.74	-365.78	-1261.37	-1895.90
323	10	6264.98	276.40	0.19	0.0	0.0	11.29	24.30	-2.75	-47.15	276.40	3830.36
		3830.36	163.74	3.25e-03	0.0	100.2	11.29	24.30	-2.75	-47.15	163.74	6264.98
323	11	3337.78	136.29	0.09	0.0	0.0	7.87	12.90	-2.16	-40.70	136.29	2045.38
		2045.38	-184.40	-3.29e-03	0.0	100.2	7.87	12.90	-2.16	-40.70	-184.40	3337.78
323	12	10.23	689.98	-2.41e-04	0.0	0.0	-0.59	-0.57	8.73	206.00	-185.08	10.23
		-47.29	-185.08	-7.86e-04	0.0	100.2	-0.59	-0.57	8.73	206.00	689.98	-47.29
323	13	7.254e+04	1232.96	1.25	0.0	0.0	-647.87	462.26	-24.77	-806.67	1232.96	2.622e+04
		2.622e+04	-1249.08	-1.56e-04	0.0	100.2	-647.87	462.26	-24.77	-806.67	-1249.08	7.254e+04
324	1	424.70	196.36	0.08	10.55	0.0	11.18	-4.57	-1.98	0.77	196.36	282.94
		84.86	-199.93	2.88e-03	0.0	200.4	13.42	5.98	-1.98	0.77	-199.93	424.70
324	2	921.13	431.39	0.03	40.43	0.0	3.64	-19.47	-4.32	1.18	431.39	772.93
		-165.55	-434.96	6.27e-03	0.0	200.4	12.24	20.95	-4.32	1.18	-434.96	921.13
324	3	1801.93	843.90	0.06	79.08	0.0	7.11	-38.09	-8.46	2.30	843.90	1512.02
		-323.85	-850.87	0.01	0.0	200.4	23.94	40.99	-8.46	2.30	-850.87	1801.93
324	4	54.00	418.72	-0.42	0.0	0.0	30.75	0.23	-4.25	0.64	418.72	54.00
		12.44	-432.19	0.22	0.0	200.4	30.75	0.23	-4.25	0.64	-432.19	12.44
324	5	54.00	418.72	-0.42	0.0	0.0	30.75	0.23	-4.25	0.64	418.72	54.00
		12.44	-432.19	0.22	0.0	200.4	30.75	0.23	-4.25	0.64	-432.19	12.44
324	6	-42.10	430.92	-0.62	0.0	0.0	-10.70	0.37	-4.31	-1.91	430.92	-108.41
		-108.41	-432.04	-0.03	0.0	200.4	-10.70	0.37	-4.31	-1.91	-432.04	-42.10
324	7	-64.32	750.95	-1.25	0.0	0.0	-6.84	0.73	-7.51	-1.76	750.95	-200.09
		-200.09	-752.98	0.04	0.0	200.4	-6.84	0.73	-7.51	-1.76	-752.98	-64.32
324	8	17.17	133.16	-0.13	0.0	0.0	9.78	0.07	-1.35	0.20	133.16	17.17
		3.96	-137.45	0.07	0.0	200.4	9.78	0.07	-1.35	0.20	-137.45	3.96
324	9	17.17	133.16	-0.13	0.0	0.0	9.78	0.07	-1.35	0.20	133.16	17.17
		3.96	-137.45	0.07	0.0	200.4	9.78	0.07	-1.35	0.20	-137.45	3.96
324	10	-15.21	143.03	-0.20	0.0	0.0	-3.43	0.12	-1.43	-0.66	143.03	-36.09
		-36.09	-143.41	-0.01	0.0	200.4	-3.43	0.12	-1.43	-0.66	-143.41	-15.21
324	11	-22.84	246.71	-0.40	0.0	0.0	-2.27	0.23	-2.47	-0.64	246.71	-65.47
		-65.47	-247.38	0.01	0.0	200.4	-2.27	0.23	-2.47	-0.64	-247.38	-22.84
324	12	2.40	2.40	4.76e-04	0.0	0.0	1.75	-3.98e-03	-0.04	-9.12e-03	2.40	2.40
		1.61	-5.11	4.58e-04	0.0	200.4	1.75	-3.98e-03	-0.04	-9.12e-03	-5.11	1.61
324	13	255.03	1207.32	-2.70	-100.19	0.0	-43.31	49.73	-12.03	-4.92	1207.32	-2218.24
		-2291.08	-1202.80	-0.02	0.0	200.4	-43.31	-50.46	-12.03	-4.92	-1202.80	-2291.08
325	1	402.18	81.19	0.12	10.55	0.0	-1.46	-4.86	-0.80	0.58	81.19	319.48
		95.56	-78.30	-1.13e-03	0.0	200.4	0.79	5.69	-0.80	0.58	-78.30	402.18
325	2	1555.57	241.34	0.08	80.85	0.0	-6.32	-40.97	-2.37	0.82	241.34	1555.57
		-523.94	-233.41	-3.33e-03	0.0	200.4	10.88	39.88	-2.37	0.82	-233.41	1446.88
325	3	3043.02	472.12	0.16	158.16	0.0	-12.36	-80.14	-4.63	1.60	472.12	3043.02
		-1024.94	-456.59	-6.52e-03	0.0	200.4	21.29	78.02	-4.63	1.60	-456.59	2830.40
325	4	41.25	682.46	-0.39	0.0	0.0	0.96	0.19	-6.73	0.68	682.46	41.25
		18.00	-666.58	0.22	0.0	200.4	0.96	0.19	-6.73	0.68	-666.58	18.00
325	5	41.25	682.46	-0.39	0.0	0.0	0.96	0.19	-6.73	0.68	682.46	41.25

		18.00	-666.58	0.22	0.0	200.4	0.96	0.19	-6.73	0.68	-666.58	18.00
325	6	-44.45	797.81	-0.67	0.0	0.0	1.47	0.48	-7.93	-1.70	797.81	-138.12
		-138.12	-790.44	-0.03	0.0	200.4	1.47	0.48	-7.93	-1.70	-790.44	-44.45
325	7	-61.51	1256.77	-1.28	0.0	0.0	2.44	0.80	-12.44	-1.36	1256.77	-218.99
		-218.99	-1236.84	0.04	0.0	200.4	2.44	0.80	-12.44	-1.36	-1236.84	-61.51
325	8	13.12	217.13	-0.12	0.0	0.0	0.31	0.06	-2.14	0.22	217.13	13.12
		5.72	-212.09	0.07	0.0	200.4	0.31	0.06	-2.14	0.22	-212.09	5.72
325	9	13.12	217.13	-0.12	0.0	0.0	0.31	0.06	-2.14	0.22	217.13	13.12
		5.72	-212.09	0.07	0.0	200.4	0.31	0.06	-2.14	0.22	-212.09	5.72
325	10	-16.08	265.16	-0.21	0.0	0.0	0.47	0.17	-2.63	-0.57	265.16	-48.44
		-48.44	-262.65	-0.01	0.0	200.4	0.47	0.17	-2.63	-0.57	-262.65	-16.08
325	11	-21.67	412.47	-0.41	0.0	0.0	0.88	0.27	-4.08	-0.48	412.47	-74.98
		-74.98	-406.01	0.01	0.0	200.4	0.88	0.27	-4.08	-0.48	-406.01	-21.67
325	12	5.08	6.97	-4.55e-04	0.0	0.0	-0.02	-2.87e-03	-0.06	-5.42e-03	6.97	5.08
		4.50	-5.67	3.75e-04	0.0	200.4	-0.02	-2.87e-03	-0.06	-5.42e-03	-5.67	4.50
325	13	1150.67	2830.87	-2.93	-200.39	0.0	3.26	102.59	-28.12	-4.25	2830.87	-4108.38
		-4108.38	-2804.86	-0.04	0.0	200.4	3.26	-97.80	-28.12	-4.25	-2804.86	-3629.05
326	1	476.92	283.87	0.14	10.55	0.0	-1.52	-4.62	2.86	0.30	-289.19	344.82
		142.51	-289.19	4.01e-03	0.0	200.4	0.73	5.93	2.86	0.30	283.87	476.92
326	2	1638.79	744.46	0.11	80.85	0.0	-6.43	-40.12	7.50	0.29	-758.31	1577.93
		-416.80	-758.31	0.01	0.0	200.4	10.77	40.73	7.50	0.29	744.46	1638.79
326	3	3205.82	1456.32	0.21	158.16	0.0	-12.58	-78.49	14.67	0.57	-1483.41	3086.77
		-815.35	-1483.41	0.02	0.0	200.4	21.07	79.67	14.67	0.57	1456.32	3205.82
326	4	11.76	578.53	-0.35	0.0	0.0	-0.51	0.21	-5.71	0.75	578.53	-49.22
		-49.22	-565.87	0.22	0.0	200.4	-0.51	0.21	-5.71	0.75	-565.87	11.76
326	5	11.76	578.53	-0.35	0.0	0.0	-0.51	0.21	-5.71	0.75	578.53	-49.22
		-49.22	-565.87	0.22	0.0	200.4	-0.51	0.21	-5.71	0.75	-565.87	11.76
326	6	-76.73	589.08	-0.72	0.0	0.0	0.68	0.48	-5.86	-1.46	589.08	-167.14
		-167.14	-586.04	-0.03	0.0	200.4	0.68	0.48	-5.86	-1.46	-586.04	-76.73
326	7	-99.54	699.68	-1.30	0.0	0.0	2.15	0.79	-6.95	-0.95	699.68	-249.03
		-249.03	-692.21	0.04	0.0	200.4	2.15	0.79	-6.95	-0.95	-692.21	-99.54
326	8	3.74	184.22	-0.11	0.0	0.0	-0.16	0.07	-1.82	0.24	184.22	-15.65
		-15.65	-180.20	0.07	0.0	200.4	-0.16	0.07	-1.82	0.24	-180.20	3.74
326	9	3.74	184.22	-0.11	0.0	0.0	-0.16	0.07	-1.82	0.24	184.22	-15.65
		-15.65	-180.20	0.07	0.0	200.4	-0.16	0.07	-1.82	0.24	-180.20	3.74
326	10	-28.20	197.84	-0.23	0.0	0.0	0.23	0.16	-1.97	-0.48	197.84	-59.00
		-59.00	-196.73	-0.01	0.0	200.4	0.23	0.16	-1.97	-0.48	-196.73	-28.20
326	11	-36.16	231.10	-0.41	0.0	0.0	0.81	0.27	-2.29	-0.32	231.10	-86.17
		-86.17	-228.63	0.01	0.0	200.4	0.81	0.27	-2.29	-0.32	-228.63	-36.16
326	12	2.34	6.62	-2.22e-04	0.0	0.0	0.02	5.30e-03	-0.06	-1.30e-03	6.62	1.28
		1.28	-5.62	3.52e-04	0.0	200.4	0.02	5.30e-03	-0.06	-1.30e-03	-5.62	2.34
326	13	887.62	2812.10	-3.11	-200.39	0.0	-0.57	100.69	-27.93	-3.11	2812.10	-4181.10
		-4181.10	-2785.15	-0.04	0.0	200.4	-0.57	-99.70	-27.93	-3.11	-2785.15	-4082.43
327	1	591.57	307.51	0.15	10.55	0.0	19.04	-4.13	3.05	0.17	-303.09	361.49
		200.05	-303.09	-4.12e-03	0.0	200.4	21.28	6.42	3.05	0.17	307.51	591.57
327	2	1239.35	698.67	0.12	40.43	0.0	21.13	-18.53	6.94	0.28	-692.79	902.85
		53.31	-692.79	-9.19e-03	0.0	200.4	29.74	21.89	6.94	0.28	698.67	1239.35
327	3	2424.43	1366.74	0.23	79.08	0.0	41.34	-36.25	13.58	0.55	-1355.25	1766.16
		104.28	-1355.25	-0.02	0.0	200.4	58.17	42.82	13.58	0.55	1366.74	2424.43
327	4	-18.38	332.04	-0.32	0.0	0.0	-31.86	0.20	-3.37	0.81	332.04	-57.15
		-57.15	-344.27	0.22	0.0	200.4	-31.86	0.20	-3.37	0.81	-344.27	-18.38
327	5	-18.38	332.04	-0.32	0.0	0.0	-31.86	0.20	-3.37	0.81	332.04	-57.15
		-57.15	-344.27	0.22	0.0	200.4	-31.86	0.20	-3.37	0.81	-344.27	-18.38
327	6	-123.12	247.19	-0.76	0.0	0.0	8.33	0.45	-2.47	-1.44	247.19	-190.98
		-190.98	-248.18	-0.03	0.0	200.4	8.33	0.45	-2.47	-1.44	-248.18	-123.12
327	7	-159.80	286.71	-1.30	0.0	0.0	-9.01	0.76	2.86	-0.99	-285.95	-277.25
		-277.25	-285.95	0.04	0.0	200.4	-9.01	0.76	2.86	-0.99	286.71	-159.80
327	8	-5.84	105.70	-0.10	0.0	0.0	-10.13	0.06	-1.07	0.26	105.70	-18.17
		-18.17	-109.58	0.07	0.0	200.4	-10.13	0.06	-1.07	0.26	-109.58	-5.84
327	9	-5.84	105.70	-0.10	0.0	0.0	-10.13	0.06	-1.07	0.26	105.70	-18.17
		-18.17	-109.58	0.07	0.0	200.4	-10.13	0.06	-1.07	0.26	-109.58	-5.84
327	10	-45.62	85.28	-0.24	0.0	0.0	2.67	0.15	-0.85	-0.46	85.28	-66.90
		-66.90	-85.58	-0.01	0.0	200.4	2.67	0.15	-0.85	-0.46	-85.58	-45.62
327	11	-58.92	99.70	-0.41	0.0	0.0	-2.91	0.24	0.99	-0.33	-99.47	-95.24
		-95.24	-99.47	0.01	0.0	200.4	-2.91	0.24	0.99	-0.33	99.70	-58.92
327	12	-0.09	2.64	-9.79e-05	0.0	0.0	-1.15	2.39e-03	-0.03	-8.93e-04	2.64	-0.57
		-0.57	-4.25	3.53e-04	0.0	200.4	-1.15	2.39e-03	-0.03	-8.93e-04	-4.25	-0.09
327	13	-295.25	1423.10	-3.25	-100.19	0.0	-59.14	47.70	-14.29	-2.73	1423.10	-2564.38
		-3045.51	-1440.33	0.02	0.0	200.4	-59.14	-52.50	-14.29	-2.73	-1440.33	-3045.51
328	1	606.57	265.02	0.15	10.55	0.0	19.80	-4.07	-2.67	0.22	265.02	365.69
		208.31	-269.40	3.77e-03	0.0	200.4	22.05	6.48	-2.67	0.22	-269.40	606.57
328	2	1291.43	601.01	0.13	40.43	0.0	22.36	-18.30	-6.03	0.52	601.01	908.52
		79.28	-606.71	8.47e-03	0.0	200.4	30.96	22.12	-6.03	0.52	-606.71	1291.43
328	3	2526.30	1175.71	0.25	79.08	0.0	43.74	-35.80	-11.79	1.03	1175.71	1777.26
		155.09	-1186.85	0.02	0.0	200.4	60.56	43.28	-11.79	1.03	-1186.85	2526.30
328	4	-17.74	407.23	-0.30	0.0	0.0	30.79	0.17	-4.12	0.82	407.23	-51.48

		-51.48	-419.33	0.22	0.0	200.4	30.79	0.17	-4.12	0.82	-419.33	-17.74
328	5	-17.74	407.23	-0.30	0.0	0.0	30.79	0.17	-4.12	0.82	407.23	-51.48
		-51.48	-419.33	0.22	0.0	200.4	30.79	0.17	-4.12	0.82	-419.33	-17.74
328	6	-131.63	527.27	-0.78	0.0	0.0	-11.17	0.47	-5.27	-1.48	527.27	-201.11
		-201.11	-528.14	-0.03	0.0	200.4	-11.17	0.47	-5.27	-1.48	-528.14	-131.63
328	7	-170.77	598.20	-1.30	0.0	0.0	-7.25	0.77	-5.98	-1.09	598.20	-286.56
		-286.56	-599.28	0.04	0.0	200.4	-7.25	0.77	-5.98	-1.09	-599.28	-170.77
328	8	-5.64	129.60	-0.10	0.0	0.0	9.79	0.05	-1.31	0.26	129.60	-16.37
		-16.37	-133.44	0.07	0.0	200.4	9.79	0.05	-1.31	0.26	-133.44	-5.64
328	9	-5.64	129.60	-0.10	0.0	0.0	9.79	0.05	-1.31	0.26	129.60	-16.37
		-16.37	-133.44	0.07	0.0	200.4	9.79	0.05	-1.31	0.26	-133.44	-5.64
328	10	-48.81	182.29	-0.25	0.0	0.0	-3.58	0.15	-1.82	-0.48	182.29	-70.65
		-70.65	-182.60	-0.01	0.0	200.4	-3.58	0.15	-1.82	-0.48	-182.60	-48.81
328	11	-63.04	207.44	-0.41	0.0	0.0	-2.40	0.25	-2.07	-0.36	207.44	-98.69
		-98.69	-207.81	0.01	0.0	200.4	-2.40	0.25	-2.07	-0.36	-207.81	-63.04
328	12	0.37	0.94	-1.22e-04	0.0	0.0	1.14	-2.50e-03	-0.02	-1.50e-03	0.94	0.37
		-0.13	-2.54	3.21e-04	0.0	200.4	1.14	-2.50e-03	-0.02	-1.50e-03	-2.54	-0.13
328	13	-369.49	282.90	-3.31	-100.19	0.0	-83.83	47.18	-2.76	-2.98	282.90	-2586.70
		-3171.66	-270.49	-4.01e-03	0.0	200.4	-83.83	-53.02	-2.76	-2.98	-270.49	-3171.66
329	1	566.13	211.31	0.16	10.55	0.0	-1.55	-4.30	-2.09	0.08	211.31	370.13
		195.78	-207.08	-2.90e-03	0.0	200.4	0.69	6.25	-2.09	0.08	-207.08	566.13
329	2	1940.09	570.11	0.15	80.85	0.0	-6.53	-38.76	-5.63	0.31	570.11	1607.45
		-251.39	-558.72	-7.82e-03	0.0	200.4	10.67	42.09	-5.63	0.31	-558.72	1940.09
329	3	3795.23	1115.25	0.30	158.16	0.0	-12.77	-75.83	-11.02	0.60	1115.25	3144.51
		-491.78	-1092.97	-0.02	0.0	200.4	20.88	82.33	-11.02	0.60	-1092.97	3795.23
329	4	-16.69	675.78	-0.26	0.0	0.0	0.80	-0.14	-6.68	0.87	675.78	-43.95
		-43.95	-662.04	0.22	0.0	200.4	0.80	-0.14	-6.68	0.87	-662.04	-16.69
329	5	-16.69	675.78	-0.26	0.0	0.0	0.80	-0.14	-6.68	0.87	675.78	-43.95
		-43.95	-662.04	0.22	0.0	200.4	0.80	-0.14	-6.68	0.87	-662.04	-16.69
329	6	-128.36	850.27	-0.83	0.0	0.0	1.51	0.55	-8.44	-1.46	850.27	-227.05
		-227.05	-841.58	-0.03	0.0	200.4	1.51	0.55	-8.44	-1.46	-841.58	-128.36
329	7	-163.59	819.79	-1.29	0.0	0.0	2.72	0.79	-8.11	1.16	819.79	-302.68
		-302.68	-806.16	0.04	0.0	200.4	2.72	0.79	-8.11	1.16	-806.16	-163.59
329	8	-5.31	215.21	-0.08	0.0	0.0	0.25	-0.04	-2.13	0.28	215.21	-13.97
		-13.97	-210.85	0.07	0.0	200.4	0.25	-0.04	-2.13	0.28	-210.85	-5.31
329	9	-5.31	215.21	-0.08	0.0	0.0	0.25	-0.04	-2.13	0.28	215.21	-13.97
		-13.97	-210.85	0.07	0.0	200.4	0.25	-0.04	-2.13	0.28	-210.85	-5.31
329	10	-47.55	287.20	-0.26	0.0	0.0	0.49	0.19	-2.85	-0.47	287.20	-81.05
		-81.05	-284.03	-0.01	0.0	200.4	0.49	0.19	-2.85	-0.47	-284.03	-47.55
329	11	-60.30	276.97	-0.41	0.0	0.0	1.00	0.26	-2.74	0.38	276.97	-106.16
		-106.16	-272.37	0.01	0.0	200.4	1.00	0.26	-2.74	0.38	-272.37	-60.30
329	12	0.74	2.70	-2.05e-04	0.0	0.0	-0.01	-5.13e-03	-0.02	-1.48e-03	2.70	0.74
		-0.29	-1.84	2.59e-04	0.0	200.4	-0.01	-5.13e-03	-0.02	-1.48e-03	-1.84	-0.29
329	13	464.74	905.52	-3.44	-200.39	0.0	2.75	97.65	-9.01	-2.02	905.52	-4299.52
		-4809.75	-899.10	0.01	0.0	200.4	2.75	-102.74	-9.01	-2.02	-899.10	-4809.75
330	1	551.94	153.38	0.16	10.55	0.0	-1.57	-4.34	1.55	-0.18	-157.18	364.73
		186.54	-157.18	2.20e-03	0.0	200.4	0.67	6.21	1.55	-0.18	153.38	551.94
330	2	1902.13	415.13	0.15	80.85	0.0	-6.57	-38.91	4.19	-0.44	-425.18	1598.02
		-275.09	-425.18	5.96e-03	0.0	200.4	10.63	41.94	4.19	-0.44	415.13	1902.13
330	3	3720.98	812.09	0.29	158.16	0.0	-12.85	-76.11	8.20	-0.86	-831.75	3126.06
		-538.13	-831.75	0.01	0.0	200.4	20.80	82.05	8.20	-0.86	812.09	3720.98
330	4	-18.12	636.53	-0.22	0.0	0.0	-0.63	0.13	-6.29	0.91	636.53	-43.81
		-43.81	-624.30	0.22	0.0	200.4	-0.63	0.13	-6.29	0.91	-624.30	-18.12
330	5	-18.12	636.53	-0.22	0.0	0.0	-0.63	0.13	-6.29	0.91	636.53	-43.81
		-43.81	-624.30	0.22	0.0	200.4	-0.63	0.13	-6.29	0.91	-624.30	-18.12
330	6	-137.69	566.84	-0.87	0.0	0.0	0.83	0.56	-5.64	-1.48	566.84	-236.68
		-236.68	-563.44	-0.03	0.0	200.4	0.83	0.56	-5.64	-1.48	-563.44	-137.69
330	7	-168.29	566.46	-1.26	0.0	0.0	2.41	0.77	5.69	1.28	-573.69	-302.99
		-302.99	-573.69	0.04	0.0	200.4	2.41	0.77	5.69	1.28	566.46	-168.29
330	8	-5.76	202.71	-0.07	0.0	0.0	-0.20	0.04	-2.00	0.29	202.71	-13.93
		-13.93	-198.83	0.07	0.0	200.4	-0.20	0.04	-2.00	0.29	-198.83	-5.76
330	9	-5.76	202.71	-0.07	0.0	0.0	-0.20	0.04	-2.00	0.29	202.71	-13.93
		-13.93	-198.83	0.07	0.0	200.4	-0.20	0.04	-2.00	0.29	-198.83	-5.76
330	10	-51.09	189.79	-0.28	0.0	0.0	0.29	0.19	-1.89	-0.47	189.79	-84.47
		-84.47	-188.43	-0.01	0.0	200.4	0.29	0.19	-1.89	-0.47	-188.43	-51.09
330	11	-62.15	193.68	-0.40	0.0	0.0	0.89	0.26	1.95	0.42	-196.43	-106.69
		-106.69	-196.43	0.01	0.0	200.4	0.89	0.26	1.95	0.42	193.68	-62.15
330	12	-0.39	2.21	-2.57e-04	0.0	0.0	0.01	-1.15e-03	-0.02	-7.37e-04	2.21	-0.39
		-0.62	-1.64	2.17e-04	0.0	200.4	0.01	-1.15e-03	-0.02	-7.37e-04	-1.64	-0.62
330	13	515.35	874.95	-3.49	-200.39	0.0	0.80	98.02	-8.70	-0.12	874.95	-4285.81
		-4722.26	-867.78	0.01	0.0	200.4	0.80	-102.37	-8.70	-0.12	-867.78	-4722.26
331	1	583.45	245.64	0.15	10.55	0.0	17.94	-4.13	2.43	-0.17	-241.63	355.01
		192.96	-241.63	-3.32e-03	0.0	200.4	20.19	6.41	2.43	-0.17	245.64	583.45
331	2	1240.60	542.84	0.12	40.43	0.0	18.55	-18.45	5.39	-0.40	-537.97	887.46
		45.19	-537.97	-7.17e-03	0.0	200.4	27.15	21.97	5.39	-0.40	542.84	1240.60
331	3	2426.87	1061.92	0.24	79.08	0.0	36.28	-36.09	10.55	-0.78	-1052.38	1736.05

		88.41	-1052.38	-0.01	0.0	200.4	53.11	42.99	10.55	-0.78	1061.92	2426.87
331	4	-13.32	372.69	-0.18	0.0	0.0	-31.17	0.11	-3.78	0.94	372.69	-35.16
		-35.16	-384.69	0.22	0.0	200.4	-31.17	0.11	-3.78	0.94	-384.69	-13.32
331	5	-13.32	372.69	-0.18	0.0	0.0	-31.17	0.11	-3.78	0.94	372.69	-35.16
		-35.16	-384.69	0.22	0.0	200.4	-31.17	0.11	-3.78	0.94	-384.69	-13.32
331	6	-159.92	329.09	-0.91	0.0	0.0	7.99	0.54	3.28	-1.54	-328.38	-232.89
		-232.89	-328.38	-0.04	0.0	200.4	7.99	0.54	3.28	-1.54	329.09	-159.92
331	7	-188.01	453.41	-1.23	0.0	0.0	-10.02	0.72	4.52	1.38	-453.31	-290.87
		-290.87	-453.31	0.04	0.0	200.4	-10.02	0.72	4.52	1.38	453.41	-188.01
331	8	-4.24	118.60	-0.06	0.0	0.0	-9.92	0.03	-1.20	0.30	118.60	-11.18
		-11.18	-122.41	0.07	0.0	200.4	-9.92	0.03	-1.20	0.30	-122.41	-4.24
331	9	-4.24	118.60	-0.06	0.0	0.0	-9.92	0.03	-1.20	0.30	118.60	-11.18
		-11.18	-122.41	0.07	0.0	200.4	-9.92	0.03	-1.20	0.30	-122.41	-4.24
331	10	-59.48	118.31	-0.29	0.0	0.0	2.56	0.17	1.18	-0.49	-118.07	-81.93
		-81.93	-118.07	-0.01	0.0	200.4	2.56	0.17	1.18	-0.49	118.31	-59.48
331	11	-69.68	162.26	-0.39	0.0	0.0	-3.19	0.23	1.62	0.45	-162.19	-101.32
		-101.32	-162.19	0.01	0.0	200.4	-3.19	0.23	1.62	0.45	162.26	-69.68
331	12	-0.29	0.76	-2.90e-04	0.0	0.0	-0.59	6.68e-04	-0.01	-6.71e-04	0.76	-0.42
		-0.42	-1.57	1.85e-04	0.0	200.4	-0.59	6.68e-04	-0.01	-6.71e-04	-1.57	-0.29
331	13	-303.65	530.27	-3.48	-100.19	0.0	-59.08	47.64	-5.36	0.09	530.27	-2566.70
		-3059.98	-543.92	8.07e-03	0.0	200.4	-59.08	-52.56	-5.36	0.09	-543.92	-3059.98
332	1	579.36	250.66	0.15	10.55	0.0	18.42	-4.15	-2.52	-0.03	250.66	353.12
		190.25	-254.81	3.55e-03	0.0	200.4	20.66	6.40	-2.52	-0.03	-254.81	579.36
332	2	1228.79	562.36	0.12	40.43	0.0	18.93	-18.49	-5.64	6.97e-03	562.36	883.56
		37.84	-567.53	7.85e-03	0.0	200.4	27.53	21.94	-5.64	6.97e-03	-567.53	1228.79
332	3	2403.78	1100.10	0.23	79.08	0.0	37.02	-36.17	-11.03	0.01	1100.10	1728.43
		74.02	-1110.20	0.02	0.0	200.4	53.85	42.91	-11.03	0.01	-1110.20	2403.78
332	4	26.49	412.07	-0.16	0.0	0.0	30.93	-0.09	-4.17	0.95	412.07	26.49
		9.87	-424.08	0.22	0.0	200.4	30.93	-0.09	-4.17	0.95	-424.08	9.87
332	5	26.49	412.07	-0.16	0.0	0.0	30.93	-0.09	-4.17	0.95	412.07	26.49
		9.87	-424.08	0.22	0.0	200.4	30.93	-0.09	-4.17	0.95	-424.08	9.87
332	6	-159.37	450.95	-0.93	0.0	0.0	-11.35	0.54	-4.50	-1.58	450.95	-233.38
		-233.38	-451.27	-0.03	0.0	200.4	-11.35	0.54	-4.50	-1.58	-451.27	-159.37
332	7	-184.19	344.84	-1.22	0.0	0.0	6.85	0.71	-3.44	1.38	344.84	-287.15
		-287.15	-345.11	0.04	0.0	200.4	6.85	0.71	-3.44	1.38	-345.11	-184.19
332	8	8.43	131.04	-0.05	0.0	0.0	9.84	-0.03	-1.33	0.30	131.04	8.43
		3.14	-134.86	0.07	0.0	200.4	9.84	-0.03	-1.33	0.30	-134.86	3.14
332	9	8.43	131.04	-0.05	0.0	0.0	9.84	-0.03	-1.33	0.30	131.04	8.43
		3.14	-134.86	0.07	0.0	200.4	9.84	-0.03	-1.33	0.30	-134.86	3.14
332	10	-59.26	151.00	-0.30	0.0	0.0	-3.61	0.17	-1.51	-0.51	151.00	-81.97
		-81.97	-151.12	-0.01	0.0	200.4	-3.61	0.17	-1.51	-0.51	-151.12	-59.26
332	11	-68.25	121.09	-0.39	0.0	0.0	2.20	0.23	-1.21	0.45	121.09	-100.00
		-100.00	-121.19	0.01	0.0	200.4	2.20	0.23	-1.21	0.45	-121.19	-68.25
332	12	0.28	0.56	-3.04e-04	0.0	0.0	0.61	-5.63e-04	-9.64e-03	-7.46e-04	0.56	0.28
		0.17	-1.37	1.68e-04	0.0	200.4	0.61	-5.63e-04	-9.64e-03	-7.46e-04	-1.37	0.17
332	13	-286.37	30.87	-3.49	-100.19	0.0	-70.52	47.73	-0.25	-0.61	30.87	-2559.37
		-3032.75	-18.51	-6.54e-04	0.0	200.4	-70.52	-52.46	-0.25	-0.61	-18.51	-3032.75
333	1	527.40	183.92	0.15	10.55	0.0	-1.54	-4.41	-1.82	0.05	183.92	353.98
		169.75	-179.94	-2.54e-03	0.0	200.4	0.71	6.14	-1.82	0.05	-179.94	527.40
333	2	1832.79	495.06	0.13	80.85	0.0	-6.50	-39.15	-4.89	0.20	495.06	1576.79
		-320.38	-484.40	-6.82e-03	0.0	200.4	10.71	41.70	-4.89	0.20	-484.40	1832.79
333	3	3585.32	968.44	0.25	158.16	0.0	-12.71	-76.58	-9.56	0.38	968.44	3084.53
		-626.73	-947.59	-0.01	0.0	200.4	20.94	81.58	-9.56	0.38	-947.59	3585.32
333	4	16.91	720.05	-0.11	0.0	0.0	0.76	-0.06	-7.12	0.97	720.05	16.91
		6.62	-706.94	0.22	0.0	200.4	0.76	-0.06	-7.12	0.97	-706.94	6.62
333	5	16.91	720.05	-0.11	0.0	0.0	0.76	-0.06	-7.12	0.97	720.05	16.91
		6.62	-706.94	0.22	0.0	200.4	0.76	-0.06	-7.12	0.97	-706.94	6.62
333	6	-136.66	691.63	-0.98	0.0	0.0	1.61	0.60	-6.88	-1.62	691.63	-241.45
		-241.45	-686.64	-0.03	0.0	200.4	1.61	0.60	-6.88	-1.62	-686.64	-136.66
333	7	-147.47	405.92	-1.18	0.0	0.0	1.73	0.74	-4.03	1.40	405.92	-281.02
		-281.02	-400.96	0.04	0.0	200.4	1.73	0.74	-4.03	1.40	-400.96	-147.47
333	8	5.38	228.98	-0.03	0.0	0.0	0.24	-0.02	-2.26	0.31	228.98	5.38
		2.11	-224.82	0.07	0.0	200.4	0.24	-0.02	-2.26	0.31	-224.82	2.11
333	9	5.38	228.98	-0.03	0.0	0.0	0.24	-0.02	-2.26	0.31	228.98	5.38
		2.11	-224.82	0.07	0.0	200.4	0.24	-0.02	-2.26	0.31	-224.82	2.11
333	10	-50.59	226.92	-0.31	0.0	0.0	0.54	0.20	-2.26	-0.53	226.92	-85.45
		-85.45	-225.17	-0.01	0.0	200.4	0.54	0.20	-2.26	-0.53	-225.17	-50.59
333	11	-54.34	138.79	-0.38	0.0	0.0	0.63	0.25	-1.38	0.45	138.79	-99.01
		-99.01	-137.01	0.01	0.0	200.4	0.63	0.25	-1.38	0.45	-137.01	-54.34
333	12	0.80	1.32	-3.33e-04	0.0	0.0	-1.97e-03	-6.76e-04	-0.01	-2.82e-04	1.32	0.80
		0.67	-0.91	1.08e-04	0.0	200.4	-1.97e-03	-6.76e-04	-0.01	-2.82e-04	-0.91	0.67
333	13	615.47	337.85	-3.53	-200.39	0.0	1.96	98.61	-3.36	-0.79	337.85	-4245.69
		-4562.13	-335.82	4.98e-03	0.0	200.4	1.96	-101.77	-3.36	-0.79	-335.82	-4562.13
334	1	529.09	180.84	0.15	10.55	0.0	-1.56	-4.40	1.83	-0.08	-184.90	354.81
		170.95	-184.90	2.57e-03	0.0	200.4	0.69	6.14	1.83	-0.08	180.84	529.09
334	2	1838.55	490.22	0.13	80.85	0.0	-6.53	-39.13	4.95	-0.27	-501.04	1579.04

		-316.37	-501.04	6.97e-03	0.0	200.4	10.67	41.72	4.95	-0.27	490.22	1838.55
334	3	3596.59	958.97	0.25	158.16	0.0	-12.78	-76.55	9.68	-0.54	-980.15	3088.94
		-618.88	-980.15	0.01	0.0	200.4	20.87	81.61	9.68	-0.54	958.97	3596.59
334	4	-4.98	720.50	-0.06	0.0	0.0	-0.71	0.05	-7.13	1.00	720.50	-14.46
		-14.46	-707.67	0.22	0.0	200.4	-0.71	0.05	-7.13	1.00	-707.67	-4.98
334	5	-4.98	720.50	-0.06	0.0	0.0	-0.71	0.05	-7.13	1.00	720.50	-14.46
		-14.46	-707.67	0.22	0.0	200.4	-0.71	0.05	-7.13	1.00	-707.67	-4.98
334	6	-136.09	631.14	-1.03	0.0	0.0	1.16	0.63	6.33	-1.54	-636.73	-246.94
		-246.94	-636.73	-0.04	0.0	200.4	1.16	0.63	6.33	-1.54	631.14	-136.09
334	7	-137.14	601.87	-1.14	0.0	0.0	1.73	0.73	6.04	1.47	-607.97	-269.80
		-269.80	-607.97	0.04	0.0	200.4	1.73	0.73	6.04	1.47	601.87	-137.14
334	8	-1.59	229.11	-0.02	0.0	0.0	-0.23	0.02	-2.27	0.32	229.11	-4.60
		-4.60	-225.03	0.07	0.0	200.4	-0.23	0.02	-2.27	0.32	-225.03	-1.59
334	9	-1.59	229.11	-0.02	0.0	0.0	-0.23	0.02	-2.27	0.32	229.11	-4.60
		-4.60	-225.03	0.07	0.0	200.4	-0.23	0.02	-2.27	0.32	-225.03	-1.59
334	10	-50.27	227.88	-0.33	0.0	0.0	0.42	0.21	2.29	-0.50	-230.19	-87.03
		-87.03	-230.19	-0.01	0.0	200.4	0.42	0.21	2.29	-0.50	227.88	-50.27
334	11	-50.45	207.68	-0.36	0.0	0.0	0.61	0.24	2.08	0.48	-210.08	-95.05
		-95.05	-210.08	0.01	0.0	200.4	0.61	0.24	2.08	0.48	207.68	-50.45
334	12	0.35	0.77	-3.29e-04	0.0	0.0	6.60e-03	1.44e-04	-7.21e-03	3.42e-04	0.77	0.32
		0.32	-0.68	5.96e-05	0.0	200.4	6.60e-03	1.44e-04	-7.21e-03	3.42e-04	-0.68	0.35
334	13	604.64	308.75	-3.55	-200.39	0.0	1.42	98.58	-3.07	0.30	308.75	-4253.37
		-4576.11	-305.65	4.60e-03	0.0	200.4	1.42	-101.80	-3.07	0.30	-305.65	-4576.11
335	1	579.73	258.86	0.14	10.55	0.0	18.04	-4.15	2.56	-0.06	-254.76	353.42
		190.57	-254.76	-3.52e-03	0.0	200.4	20.29	6.40	2.56	-0.06	258.86	579.73
335	2	1232.77	579.10	0.11	40.43	0.0	18.96	-18.48	5.75	-0.18	-573.99	885.25
		40.53	-573.99	-7.74e-03	0.0	200.4	27.56	21.95	5.75	-0.18	579.10	1232.77
335	3	2411.56	1132.85	0.22	79.08	0.0	37.09	-36.15	11.26	-0.35	-1122.85	1731.73
		79.28	-1122.85	-0.02	0.0	200.4	53.92	42.93	11.26	-0.35	1132.85	2411.56
335	4	-2.69	415.37	8.43e-03	0.0	0.0	-30.78	0.02	-4.20	1.02	415.37	-6.29
		-6.29	-427.14	0.22	0.0	200.4	-30.78	0.02	-4.20	1.02	-427.14	-2.69
335	5	-2.69	415.37	8.43e-03	0.0	0.0	-30.78	0.02	-4.20	1.02	415.37	-6.29
		-6.29	-427.14	0.22	0.0	200.4	-30.78	0.02	-4.20	1.02	-427.14	-2.69
335	6	-156.88	392.01	-1.07	0.0	0.0	7.45	0.63	3.91	-1.52	-391.56	-250.99
		-250.99	-391.56	-0.04	0.0	200.4	7.45	0.63	3.91	-1.52	392.01	-156.88
335	7	-156.81	449.21	-1.09	0.0	0.0	-10.68	0.64	4.48	1.56	-449.35	-254.81
		-254.81	-449.35	0.04	0.0	200.4	-10.68	0.64	4.48	1.56	449.21	-156.81
335	8	-0.85	132.07	2.68e-03	0.0	0.0	-9.79	5.82e-03	-1.34	0.32	132.07	-2.00
		-2.00	-135.82	0.07	0.0	200.4	-9.79	5.82e-03	-1.34	0.32	-135.82	-0.85
335	9	-0.85	132.07	2.68e-03	0.0	0.0	-9.79	5.82e-03	-1.34	0.32	132.07	-2.00
		-2.00	-135.82	0.07	0.0	200.4	-9.79	5.82e-03	-1.34	0.32	-135.82	-0.85
335	10	-58.04	145.56	-0.34	0.0	0.0	2.42	0.20	1.45	-0.50	-145.38	-87.22
		-87.22	-145.38	-0.01	0.0	200.4	2.42	0.20	1.45	-0.50	145.56	-58.04
335	11	-57.98	156.19	-0.35	0.0	0.0	-3.40	0.21	1.56	0.51	-156.21	-88.59
		-88.59	-156.21	0.01	0.0	200.4	-3.40	0.21	1.56	0.51	156.19	-57.98
335	12	-0.05	0.25	-3.12e-04	0.0	0.0	-8.89e-03	1.39e-04	-2.43e-03	1.60e-04	0.25	-0.08
		-0.08	-0.24	1.18e-05	0.0	200.4	-8.89e-03	1.39e-04	-2.43e-03	1.60e-04	-0.24	-0.05
335	13	-297.43	269.96	-3.52	-100.19	0.0	-65.37	47.74	-2.76	0.31	269.96	-2570.72
		-3043.53	-283.33	4.77e-03	0.0	200.4	-65.37	-52.46	-2.76	0.31	-283.33	-3043.53
336	1	579.97	251.88	0.14	10.55	0.0	18.75	-4.14	-2.53	0.05	251.88	353.45
		190.68	-256.06	3.54e-03	0.0	200.4	21.00	6.40	-2.53	0.05	-256.06	579.97
336	2	1233.37	567.22	0.11	40.43	0.0	19.81	-18.47	-5.69	0.17	567.22	885.16
		40.74	-572.48	7.84e-03	0.0	200.4	28.41	21.95	-5.69	0.17	-572.48	1233.37
336	3	2412.73	1109.60	0.22	79.08	0.0	38.75	-36.14	-11.13	0.34	1109.60	1731.57
		79.70	-1119.88	0.02	0.0	200.4	55.58	42.94	-11.13	0.34	-1119.88	2412.73
336	4	6.14	409.52	-8.22e-03	0.0	0.0	31.11	-0.02	-4.15	1.02	409.52	6.14
		2.63	-421.23	0.22	0.0	200.4	31.11	-0.02	-4.15	1.02	-421.23	2.63
336	5	6.14	409.52	-8.22e-03	0.0	0.0	31.11	-0.02	-4.15	1.02	409.52	6.14
		2.63	-421.23	0.22	0.0	200.4	31.11	-0.02	-4.15	1.02	-421.23	2.63
336	6	-156.46	442.55	-1.09	0.0	0.0	-11.08	0.65	-4.42	-1.55	442.55	-254.94
		-254.94	-442.53	-0.03	0.0	200.4	-11.08	0.65	-4.42	-1.55	-442.53	-156.46
336	7	-157.00	384.49	-1.07	0.0	0.0	7.77	0.63	-3.84	1.52	384.49	-251.30
		-251.30	-385.04	0.04	0.0	200.4	7.77	0.63	-3.84	1.52	-385.04	-157.00
336	8	1.95	130.21	-2.61e-03	0.0	0.0	9.89	-5.67e-03	-1.32	0.32	130.21	1.95
		0.84	-133.94	0.07	0.0	200.4	9.89	-5.67e-03	-1.32	0.32	-133.94	0.84
336	9	1.95	130.21	-2.61e-03	0.0	0.0	9.89	-5.67e-03	-1.32	0.32	130.21	1.95
		0.84	-133.94	0.07	0.0	200.4	9.89	-5.67e-03	-1.32	0.32	-133.94	0.84
336	10	-57.84	153.79	-0.35	0.0	0.0	-3.53	0.21	-1.54	-0.51	153.79	-88.63
		-88.63	-153.82	-0.01	0.0	200.4	-3.53	0.21	-1.54	-0.51	-153.82	-57.84
336	11	-58.09	142.73	-0.34	0.0	0.0	2.52	0.20	-1.43	0.50	142.73	-87.36
		-87.36	-142.93	0.01	0.0	200.4	2.52	0.20	-1.43	0.50	-142.93	-58.09
336	12	-0.05	0.23	-3.12e-04	0.0	0.0	-9.51e-03	1.39e-04	2.32e-03	-1.56e-04	-0.23	-0.08
		-0.08	-0.23	-1.04e-05	0.0	200.4	-9.51e-03	1.39e-04	2.32e-03	-1.56e-04	0.23	-0.05
336	13	-298.09	279.80	-3.52	-100.19	0.0	-67.66	47.73	2.73	-0.30	-266.33	-2570.73
		-3044.84	-266.33	-3.48e-03	0.0	200.4	-67.66	-52.46	2.73	-0.30	279.80	-3044.84
337	1	529.39	186.54	0.15	10.55	0.0	-1.54	-4.40	-1.84	0.09	186.54	354.79

		171.08	-182.49	-2.58e-03	0.0	200.4	0.70	6.15	-1.84	0.09	-182.49	529.39
337	2	1839.70	505.31	0.13	80.85	0.0	-6.51	-39.12	-4.99	0.28	505.31	1578.79
		-315.92	-494.46	-6.98e-03	0.0	200.4	10.69	41.73	-4.99	0.28	-494.46	1839.70
337	3	3598.83	988.49	0.25	158.16	0.0	-12.74	-76.53	-9.76	0.54	988.49	3088.45
		-618.01	-967.28	-0.01	0.0	200.4	20.91	81.63	-9.76	0.54	-967.28	3598.83
337	4	14.48	720.45	0.06	0.0	0.0	0.76	-0.05	-7.13	1.00	720.45	14.48
		5.00	-707.61	0.22	0.0	200.4	0.76	-0.05	-7.13	1.00	-707.61	5.00
337	5	14.48	720.45	0.06	0.0	0.0	0.76	-0.05	-7.13	1.00	720.45	14.48
		5.00	-707.61	0.22	0.0	200.4	0.76	-0.05	-7.13	1.00	-707.61	5.00
337	6	-136.44	609.77	-1.14	0.0	0.0	1.74	0.73	-6.06	-1.47	609.77	-270.29
		-270.29	-603.60	-0.03	0.0	200.4	1.74	0.73	-6.06	-1.47	-603.60	-136.44
337	7	-135.00	635.98	-1.03	0.0	0.0	1.16	0.64	-6.32	1.54	635.98	-248.52
		-248.52	-630.34	0.04	0.0	200.4	1.16	0.64	-6.32	1.54	-630.34	-135.00
337	8	4.61	229.09	0.02	0.0	0.0	0.24	-0.02	-2.27	0.32	229.09	4.61
		1.60	-225.01	0.07	0.0	200.4	0.24	-0.02	-2.27	0.32	-225.01	1.60
337	9	4.61	229.09	0.02	0.0	0.0	0.24	-0.02	-2.27	0.32	229.09	4.61
		1.60	-225.01	0.07	0.0	200.4	0.24	-0.02	-2.27	0.32	-225.01	1.60
337	10	-50.17	210.68	-0.36	0.0	0.0	0.61	0.25	-2.09	-0.48	210.68	-95.23
		-95.23	-208.26	-0.01	0.0	200.4	0.61	0.25	-2.09	-0.48	-208.26	-50.17
337	11	-49.85	229.98	-0.33	0.0	0.0	0.42	0.21	-2.28	0.50	229.98	-87.67
		-87.67	-227.65	0.01	0.0	200.4	0.42	0.21	-2.28	0.50	-227.65	-49.85
337	12	0.35	0.67	-3.29e-04	0.0	0.0	6.66e-03	1.45e-04	7.14e-03	-3.44e-04	-0.76	0.32
		0.32	-0.76	-5.82e-05	0.0	200.4	6.66e-03	1.45e-04	7.14e-03	-3.44e-04	0.67	0.35
337	13	603.53	301.70	-3.55	-200.39	0.0	1.40	98.57	3.03	-0.30	-304.56	-4252.94
		-4578.77	-304.56	4.31e-03	0.0	200.4	1.40	-101.82	3.03	-0.30	301.70	-4578.77
338	1	527.12	178.28	0.15	10.55	0.0	-1.55	-4.41	1.80	-0.05	-182.28	354.01
		169.64	-182.28	2.53e-03	0.0	200.4	0.69	6.14	1.80	-0.05	178.28	527.12
338	2	1831.72	480.14	0.13	80.85	0.0	-6.52	-39.15	4.85	-0.19	-490.79	1577.07
		-320.77	-490.79	6.81e-03	0.0	200.4	10.68	41.70	4.85	-0.19	480.14	1831.72
338	3	3583.23	939.26	0.25	158.16	0.0	-12.75	-76.59	9.48	-0.38	-960.08	3085.08
		-627.49	-960.08	0.01	0.0	200.4	20.90	81.57	9.48	-0.38	939.26	3583.23
338	4	-6.60	720.06	0.11	0.0	0.0	-0.71	0.06	-7.12	0.97	720.06	-16.88
		-16.88	-706.97	0.22	0.0	200.4	-0.71	0.06	-7.12	0.97	-706.97	-6.60
338	5	-6.60	720.06	0.11	0.0	0.0	-0.71	0.06	-7.12	0.97	720.06	-16.88
		-16.88	-706.97	0.22	0.0	200.4	-0.71	0.06	-7.12	0.97	-706.97	-6.60
338	6	-147.01	399.36	-1.18	0.0	0.0	1.72	0.75	4.01	-1.39	-404.25	-281.48
		-281.48	-404.25	-0.04	0.0	200.4	1.72	0.75	4.01	-1.39	399.36	-147.01
338	7	-135.40	684.62	-0.98	0.0	0.0	1.60	0.61	6.86	1.63	-689.55	-243.04
		-243.04	-689.55	0.04	0.0	200.4	1.60	0.61	6.86	1.63	684.62	-135.40
338	8	-2.10	228.98	0.03	0.0	0.0	-0.23	0.02	-2.26	0.31	228.98	-5.37
		-5.37	-224.82	0.07	0.0	200.4	-0.23	0.02	-2.26	0.31	-224.82	-2.10
338	9	-2.10	228.98	0.03	0.0	0.0	-0.23	0.02	-2.26	0.31	228.98	-5.37
		-5.37	-224.82	0.07	0.0	200.4	-0.23	0.02	-2.26	0.31	-224.82	-2.10
338	10	-54.16	136.46	-0.38	0.0	0.0	0.63	0.25	1.37	-0.45	-138.22	-99.19
		-99.19	-138.22	-0.01	0.0	200.4	0.63	0.25	1.37	-0.45	136.46	-54.16
338	11	-50.11	224.55	-0.31	0.0	0.0	0.53	0.20	2.25	0.53	-226.28	-86.10
		-86.10	-226.28	0.01	0.0	200.4	0.53	0.20	2.25	0.53	224.55	-50.11
338	12	0.80	0.90	-3.33e-04	0.0	0.0	-2.30e-03	-6.70e-04	0.01	2.77e-04	-1.31	0.80
		0.66	-1.31	-1.07e-04	0.0	200.4	-2.30e-03	-6.70e-04	0.01	2.77e-04	0.90	0.66
338	13	616.46	332.36	-3.53	-200.39	0.0	1.98	98.63	3.33	0.79	-334.11	-4246.17
		-4559.68	-334.11	4.68e-03	0.0	200.4	1.98	-101.76	3.33	0.79	332.36	-4559.68
339	1	579.08	257.60	0.15	10.55	0.0	17.72	-4.15	2.55	0.03	-253.53	353.08
		190.12	-253.53	-3.53e-03	0.0	200.4	19.97	6.40	2.55	0.03	257.60	579.08
339	2	1228.09	574.09	0.12	40.43	0.0	18.11	-18.49	5.70	-0.01	-569.08	883.61
		37.56	-569.08	-7.75e-03	0.0	200.4	26.71	21.93	5.70	-0.01	574.09	1228.09
339	3	2402.40	1123.05	0.23	79.08	0.0	35.43	-36.18	11.16	-0.02	-1113.23	1728.54
		73.48	-1113.23	-0.02	0.0	200.4	52.26	42.90	11.16	-0.02	1123.05	2402.40
339	4	-9.85	417.99	0.16	0.0	0.0	-30.61	0.09	-4.23	0.95	417.99	-26.40
		-26.40	-430.07	0.22	0.0	200.4	-30.61	0.09	-4.23	0.95	-430.07	-9.85
339	5	-9.85	417.99	0.16	0.0	0.0	-30.61	0.09	-4.23	0.95	417.99	-26.40
		-26.40	-430.07	0.22	0.0	200.4	-30.61	0.09	-4.23	0.95	-430.07	-9.85
339	6	-184.19	350.03	-1.22	0.0	0.0	6.59	0.71	3.49	-1.38	-349.85	-287.31
		-287.31	-349.85	-0.04	0.0	200.4	6.59	0.71	3.49	-1.38	350.03	-184.19
339	7	-159.45	457.45	-0.93	0.0	0.0	-10.94	0.54	4.56	1.58	-457.24	-233.65
		-233.65	-457.24	0.04	0.0	200.4	-10.94	0.54	4.56	1.58	457.45	-159.45
339	8	-3.13	132.92	0.05	0.0	0.0	-9.74	0.03	-1.35	0.30	132.92	-8.40
		-8.40	-136.76	0.07	0.0	200.4	-9.74	0.03	-1.35	0.30	-136.76	-3.13
339	9	-3.13	132.92	0.05	0.0	0.0	-9.74	0.03	-1.35	0.30	132.92	-8.40
		-8.40	-136.76	0.07	0.0	200.4	-9.74	0.03	-1.35	0.30	-136.76	-3.13
339	10	-68.25	122.95	-0.39	0.0	0.0	2.12	0.23	1.23	-0.45	-122.89	-100.07
		-100.07	-122.89	-0.01	0.0	200.4	2.12	0.23	1.23	-0.45	122.95	-68.25
339	11	-59.29	153.24	-0.30	0.0	0.0	-3.48	0.17	1.53	0.51	-153.16	-82.09
		-82.09	-153.16	0.01	0.0	200.4	-3.48	0.17	1.53	0.51	153.24	-59.29
339	12	0.29	1.38	-3.04e-04	0.0	0.0	0.59	-5.78e-04	9.67e-03	7.46e-04	-0.56	0.29
		0.18	-0.56	-1.66e-04	0.0	200.4	0.59	-5.78e-04	9.67e-03	7.46e-04	1.38	0.18
339	13	-285.53	19.18	-3.49	-100.19	0.0	-68.19	47.74	0.25	0.62	-31.48	-2559.25

		-3031.20	-31.48	1.20e-03	0.0	200.4	-68.19	-52.45	0.25	0.62	19.18	-3031.20
340	1	583.60	238.94	0.15	10.55	0.0	18.65	-4.13	-2.41	0.17	238.94	355.00
		193.01	-243.03	3.34e-03	0.0	200.4	20.89	6.42	-2.41	0.17	-243.03	583.60
340	2	1240.95	531.71	0.12	40.43	0.0	19.37	-18.45	-5.33	0.39	531.71	887.29
		45.26	-536.73	7.28e-03	0.0	200.4	27.97	21.98	-5.33	0.39	-536.73	1240.95
340	3	2427.56	1040.15	0.24	79.08	0.0	37.89	-36.09	-10.43	0.77	1040.15	1735.73
		88.53	-1049.96	0.01	0.0	200.4	54.72	42.99	-10.43	0.77	-1049.96	2427.56
340	4	35.05	367.52	0.18	0.0	0.0	31.51	-0.11	-3.73	0.94	367.52	35.05
		13.27	-379.45	0.22	0.0	200.4	31.51	-0.11	-3.73	0.94	-379.45	13.27
340	5	35.05	367.52	0.18	0.0	0.0	31.51	-0.11	-3.73	0.94	367.52	35.05
		13.27	-379.45	0.22	0.0	200.4	31.51	-0.11	-3.73	0.94	-379.45	13.27
340	6	-188.30	445.69	-1.23	0.0	0.0	-10.39	0.72	-4.45	-1.37	445.69	-290.96
		-290.96	-445.91	-0.03	0.0	200.4	-10.39	0.72	-4.45	-1.37	-445.91	-188.30
340	7	-160.64	323.31	-0.91	0.0	0.0	8.33	0.54	-3.23	1.54	323.31	-232.93
		-232.93	-324.11	0.04	0.0	200.4	8.33	0.54	-3.23	1.54	-324.11	-160.64
340	8	11.15	116.95	0.06	0.0	0.0	10.02	-0.03	-1.19	0.30	116.95	11.15
		4.22	-120.75	0.07	0.0	200.4	10.02	-0.03	-1.19	0.30	-120.75	4.22
340	9	11.15	116.95	0.06	0.0	0.0	10.02	-0.03	-1.19	0.30	116.95	11.15
		4.22	-120.75	0.07	0.0	200.4	10.02	-0.03	-1.19	0.30	-120.75	4.22
340	10	-69.79	159.44	-0.39	0.0	0.0	-3.31	0.23	-1.59	-0.45	159.44	-101.35
		-101.35	-159.54	-0.01	0.0	200.4	-3.31	0.23	-1.59	-0.45	-159.54	-69.79
340	11	-59.76	116.26	-0.29	0.0	0.0	2.67	0.17	-1.16	0.49	116.26	-81.95
		-81.95	-116.53	0.01	0.0	200.4	2.67	0.17	-1.16	0.49	-116.53	-59.76
340	12	-0.28	1.55	-2.90e-04	0.0	0.0	-0.62	6.55e-04	0.01	6.72e-04	-0.74	-0.41
		-0.41	-0.74	-1.84e-04	0.0	200.4	-0.62	6.55e-04	0.01	6.72e-04	1.55	-0.28
340	13	-303.90	537.66	-3.48	-100.19	0.0	-61.13	47.63	5.30	-0.08	-523.84	-2566.44
		-3060.74	-523.84	6.82e-03	0.0	200.4	-61.13	-52.56	5.30	-0.08	537.66	-3060.74
341	1	552.11	158.86	0.16	10.55	0.0	-1.56	-4.34	-1.57	0.19	158.86	364.66
		186.57	-155.08	-2.21e-03	0.0	200.4	0.69	6.21	-1.57	0.19	-155.08	552.11
341	2	1902.92	429.58	0.15	80.85	0.0	-6.55	-38.90	-4.24	0.45	429.58	1597.66
		-274.87	-419.51	-5.97e-03	0.0	200.4	10.66	41.95	-4.24	0.45	-419.51	1902.92
341	3	3722.52	840.34	0.29	158.16	0.0	-12.81	-76.10	-8.29	0.87	840.34	3125.36
		-537.71	-820.65	-0.01	0.0	200.4	20.84	82.06	-8.29	0.87	-820.65	3722.52
341	4	43.81	636.61	0.22	0.0	0.0	0.67	-0.13	-6.29	0.91	636.61	43.81
		18.13	-624.37	0.22	0.0	200.4	0.67	-0.13	-6.29	0.91	-624.37	18.13
341	5	43.81	636.61	0.22	0.0	0.0	0.67	-0.13	-6.29	0.91	636.61	43.81
		18.13	-624.37	0.22	0.0	200.4	0.67	-0.13	-6.29	0.91	-624.37	18.13
341	6	-168.63	573.43	-1.26	0.0	0.0	2.42	0.77	-5.69	-1.28	573.43	-302.72
		-302.72	-566.15	-0.03	0.0	200.4	2.42	0.77	-5.69	-1.28	-566.15	-168.63
341	7	-138.88	561.50	-0.87	0.0	0.0	0.84	0.56	5.62	1.48	-564.92	-236.86
		-236.86	-564.92	0.04	0.0	200.4	0.84	0.56	5.62	1.48	561.50	-138.88
341	8	13.93	202.73	0.07	0.0	0.0	0.21	-0.04	-2.00	0.29	202.73	13.93
		5.76	-198.85	0.07	0.0	200.4	0.21	-0.04	-2.00	0.29	-198.85	5.76
341	9	13.93	202.73	0.07	0.0	0.0	0.21	-0.04	-2.00	0.29	202.73	13.93
		5.76	-198.85	0.07	0.0	200.4	0.21	-0.04	-2.00	0.29	-198.85	5.76
341	10	-62.28	196.38	-0.40	0.0	0.0	0.89	0.25	-1.95	-0.42	196.38	-106.57
		-106.57	-193.61	-0.01	0.0	200.4	0.89	0.25	-1.95	-0.42	-193.61	-62.28
341	11	-51.54	187.83	-0.28	0.0	0.0	0.30	0.19	1.88	0.47	-189.20	-84.55
		-84.55	-189.20	0.01	0.0	200.4	0.30	0.19	1.88	0.47	187.83	-51.54
341	12	-0.40	1.63	-2.57e-04	0.0	0.0	0.01	-1.13e-03	0.02	7.35e-04	-2.21	-0.40
		-0.62	-2.21	-2.16e-04	0.0	200.4	0.01	-1.13e-03	0.02	7.35e-04	1.63	-0.62
341	13	514.85	865.67	-3.49	-200.39	0.0	0.77	98.00	8.67	0.12	-872.63	-4285.02
		-4724.05	-872.63	0.01	0.0	200.4	0.77	-102.38	8.67	0.12	865.67	-4724.05
342	1	565.80	205.42	0.16	10.55	0.0	-1.57	-4.30	2.07	-0.08	-209.66	370.14
		195.64	-209.66	2.89e-03	0.0	200.4	0.68	6.25	2.07	-0.08	205.42	565.80
342	2	1938.93	554.45	0.15	80.85	0.0	-6.55	-38.77	5.59	-0.30	-565.82	1607.69
		-251.85	-565.82	7.81e-03	0.0	200.4	10.65	42.08	5.59	-0.30	554.45	1938.93
342	3	3792.96	1084.62	0.30	158.16	0.0	-12.82	-75.85	10.94	-0.59	-1106.87	3144.99
		-492.67	-1106.87	0.02	0.0	200.4	20.84	82.31	10.94	-0.59	1084.62	3792.96
342	4	43.93	675.80	0.26	0.0	0.0	-0.75	0.14	-6.68	0.87	675.80	43.93
		16.70	-662.07	0.22	0.0	200.4	-0.75	0.14	-6.68	0.87	-662.07	16.70
342	5	43.93	675.80	0.26	0.0	0.0	-0.75	0.14	-6.68	0.87	675.80	43.93
		16.70	-662.07	0.22	0.0	200.4	-0.75	0.14	-6.68	0.87	-662.07	16.70
342	6	-163.77	805.21	-1.29	0.0	0.0	2.72	0.79	8.10	-1.16	-818.78	-302.58
		-302.58	-818.78	-0.04	0.0	200.4	2.72	0.79	8.10	-1.16	805.21	-163.77
342	7	-129.13	840.86	-0.83	0.0	0.0	1.50	0.55	8.44	1.46	-849.53	-227.38
		-227.38	-849.53	0.04	0.0	200.4	1.50	0.55	8.44	1.46	840.86	-129.13
342	8	13.97	215.21	0.08	0.0	0.0	-0.24	0.04	-2.13	0.28	215.21	13.97
		5.31	-210.86	0.07	0.0	200.4	-0.24	0.04	-2.13	0.28	-210.86	5.31
342	9	13.97	215.21	0.08	0.0	0.0	-0.24	0.04	-2.13	0.28	215.21	13.97
		5.31	-210.86	0.07	0.0	200.4	-0.24	0.04	-2.13	0.28	-210.86	5.31
342	10	-60.37	272.07	-0.41	0.0	0.0	1.00	0.26	2.74	-0.38	-276.65	-106.12
		-106.12	-276.65	-0.01	0.0	200.4	1.00	0.26	2.74	-0.38	272.07	-60.37
342	11	-47.85	283.91	-0.26	0.0	0.0	0.49	0.18	2.85	0.47	-287.08	-81.19
		-81.19	-287.08	0.01	0.0	200.4	0.49	0.18	2.85	0.47	283.91	-47.85
342	12	0.73	1.83	-2.05e-04	0.0	0.0	-0.01	-5.12e-03	0.02	1.47e-03	-2.69	0.73

		-0.29	-2.69	-2.58e-04	0.0	200.4	-0.01	-5.12e-03	0.02	1.47e-03	1.83	-0.29
342	13	465.96	898.28	-3.44	-200.39	0.0	2.77	97.66	9.00	2.02	-904.44	-4299.80
		-4807.03	-904.44	0.01	0.0	200.4	2.77	-102.72	9.00	2.02	898.28	-4807.03
343	1	606.49	272.32	0.15	10.55	0.0	19.04	-4.07	2.70	-0.22	-268.03	365.71
		208.29	-268.03	-3.76e-03	0.0	200.4	21.29	6.48	2.70	-0.22	272.32	606.49
343	2	1291.41	613.67	0.13	40.43	0.0	21.39	-18.30	6.10	-0.53	-608.13	908.66
		79.35	-608.13	-8.36e-03	0.0	200.4	30.00	22.12	6.10	-0.53	613.67	1291.41
343	3	2526.26	1200.46	0.25	79.08	0.0	41.85	-35.80	11.93	-1.03	-1189.62	1777.53
		155.23	-1189.62	-0.02	0.0	200.4	58.68	43.28	11.93	-1.03	1200.46	2526.26
343	4	51.38	413.18	0.30	0.0	0.0	-30.48	-0.17	-4.18	0.82	413.18	51.38
		17.73	-425.35	0.22	0.0	200.4	-30.48	-0.17	-4.18	0.82	-425.35	17.73
343	5	51.38	413.18	0.30	0.0	0.0	-30.48	-0.17	-4.18	0.82	413.18	51.38
		17.73	-425.35	0.22	0.0	200.4	-30.48	-0.17	-4.18	0.82	-425.35	17.73
343	6	-170.82	608.84	-1.30	0.0	0.0	-7.02	0.77	6.07	1.09	-607.88	-286.57
		-286.57	-607.88	-0.04	0.0	200.4	-7.02	0.77	6.07	1.09	608.84	-170.82
343	7	-131.57	536.28	-0.78	0.0	0.0	-10.76	0.47	5.35	1.48	-535.53	-201.08
		-201.08	-535.53	0.04	0.0	200.4	-10.76	0.47	5.35	1.48	536.28	-131.57
343	8	16.34	131.49	0.10	0.0	0.0	-9.70	-0.05	-1.33	0.26	131.49	16.34
		5.64	-135.36	0.07	0.0	200.4	-9.70	-0.05	-1.33	0.26	-135.36	5.64
343	9	16.34	131.49	0.10	0.0	0.0	-9.70	-0.05	-1.33	0.26	131.49	16.34
		5.64	-135.36	0.07	0.0	200.4	-9.70	-0.05	-1.33	0.26	-135.36	5.64
343	10	-63.06	211.19	-0.41	0.0	0.0	-2.33	0.25	2.11	0.36	-210.86	-98.70
		-98.70	-210.86	-0.01	0.0	200.4	-2.33	0.25	2.11	0.36	211.19	-63.06
343	11	-48.78	185.51	-0.25	0.0	0.0	-3.45	0.15	1.85	0.48	-185.24	-70.65
		-70.65	-185.24	0.01	0.0	200.4	-3.45	0.15	1.85	0.48	185.51	-48.78
343	12	0.38	2.55	-1.22e-04	0.0	0.0	1.10	-2.57e-03	0.02	1.51e-03	-0.95	0.38
		-0.13	-0.95	-3.20e-04	0.0	200.4	1.10	-2.57e-03	0.02	1.51e-03	2.55	-0.13
343	13	-369.50	276.07	-3.31	-100.19	0.0	-81.01	47.18	2.82	2.99	-288.48	-2586.68
		-3171.70	-288.48	4.49e-03	0.0	200.4	-81.01	-53.02	2.82	2.99	276.07	-3171.70
344	1	592.09	299.57	0.15	10.55	0.0	19.80	-4.12	-3.01	-0.17	299.57	361.59
		200.31	-304.07	4.13e-03	0.0	200.4	22.05	6.42	-3.01	-0.17	-304.07	592.09
344	2	1240.89	684.40	0.12	40.43	0.0	22.10	-18.53	-6.86	-0.28	684.40	902.85
		53.98	-690.44	9.27e-03	0.0	200.4	30.70	21.90	-6.86	-0.28	-690.44	1240.89
344	3	2427.44	1338.84	0.23	79.08	0.0	43.23	-36.24	-13.42	-0.56	1338.84	1766.17
		105.60	-1350.64	0.02	0.0	200.4	60.06	42.84	-13.42	-0.56	-1350.64	2427.44
344	4	57.10	327.56	0.32	0.0	0.0	32.21	-0.19	-3.33	0.81	327.56	57.10
		18.39	-339.70	0.22	0.0	200.4	32.21	-0.19	-3.33	0.81	-339.70	18.39
344	5	57.10	327.56	0.32	0.0	0.0	32.21	-0.19	-3.33	0.81	327.56	57.10
		18.39	-339.70	0.22	0.0	200.4	32.21	-0.19	-3.33	0.81	-339.70	18.39
344	6	-160.12	281.45	-1.30	0.0	0.0	-9.33	0.76	-2.81	0.99	281.45	-277.23
		-277.23	-282.29	-0.03	0.0	200.4	-9.33	0.76	-2.81	0.99	-282.29	-160.12
344	7	-122.87	243.85	-0.76	0.0	0.0	8.68	0.45	2.43	1.44	-242.79	-190.93
		-190.93	-242.79	0.04	0.0	200.4	8.68	0.45	2.43	1.44	243.85	-122.87
344	8	18.15	104.27	0.10	0.0	0.0	10.25	-0.06	-1.06	0.26	104.27	18.15
		5.85	-108.13	0.07	0.0	200.4	10.25	-0.06	-1.06	0.26	-108.13	5.85
344	9	18.15	104.27	0.10	0.0	0.0	10.25	-0.06	-1.06	0.26	104.27	18.15
		5.85	-108.13	0.07	0.0	200.4	10.25	-0.06	-1.06	0.26	-108.13	5.85
344	10	-59.04	97.87	-0.41	0.0	0.0	-3.02	0.24	-0.98	0.33	97.87	-95.22
		-95.22	-98.13	-0.01	0.0	200.4	-3.02	0.24	-0.98	0.33	-98.13	-59.04
344	11	-45.52	84.03	-0.24	0.0	0.0	2.78	0.15	0.84	0.46	-83.71	-66.88
		-66.88	-83.71	0.01	0.0	200.4	2.78	0.15	0.84	0.46	84.03	-45.52
344	12	-0.10	4.20	-9.81e-05	0.0	0.0	-1.19	2.33e-03	0.03	9.02e-04	-2.59	-0.56
		-0.56	-2.59	-3.52e-04	0.0	200.4	-1.19	2.33e-03	0.03	9.02e-04	4.20	-0.10
344	13	-297.05	1423.48	-3.25	-100.19	0.0	-61.35	47.68	14.12	2.74	-1405.91	-2564.44
		-3049.05	-1405.91	0.02	0.0	200.4	-61.35	-52.52	14.12	2.74	1423.48	-3049.05
345	1	477.68	290.82	0.14	10.55	0.0	-1.50	-4.61	-2.88	-0.29	290.82	344.92
		142.90	-285.51	-4.02e-03	0.0	200.4	0.74	5.94	-2.88	-0.29	-285.51	477.68
345	2	1641.18	762.51	0.11	80.85	0.0	-6.41	-40.11	-7.54	-0.29	762.51	1577.71
		-415.72	-748.63	-0.01	0.0	200.4	10.79	40.74	-7.54	-0.29	-748.63	1641.18
345	3	3210.51	1491.63	0.21	158.16	0.0	-12.54	-78.46	-14.75	-0.57	1491.63	3086.33
		-813.23	-1464.49	-0.02	0.0	200.4	21.11	79.70	-14.75	-0.57	-1464.49	3210.51
345	4	49.30	578.64	0.35	0.0	0.0	0.55	-0.21	-5.71	0.75	578.64	49.30
		-11.77	-565.97	0.22	0.0	200.4	0.55	-0.21	-5.71	0.75	-565.97	-11.77
345	5	49.30	578.64	0.35	0.0	0.0	0.55	-0.21	-5.71	0.75	578.64	49.30
		-11.77	-565.97	0.22	0.0	200.4	0.55	-0.21	-5.71	0.75	-565.97	-11.77
345	6	-100.15	691.43	-1.30	0.0	0.0	2.15	0.79	6.94	0.95	-698.87	-248.29
		-248.29	-698.87	-0.04	0.0	200.4	2.15	0.79	6.94	0.95	691.43	-100.15
345	7	-76.04	585.04	-0.72	0.0	0.0	0.69	0.49	5.85	1.46	-588.10	-167.05
		-167.05	-588.10	0.04	0.0	200.4	0.69	0.49	5.85	1.46	585.04	-76.04
345	8	15.67	184.25	0.11	0.0	0.0	0.18	-0.07	-1.82	0.24	184.25	15.67
		-3.74	-180.23	0.07	0.0	200.4	0.18	-0.07	-1.82	0.24	-180.23	-3.74
345	9	15.67	184.25	0.11	0.0	0.0	0.18	-0.07	-1.82	0.24	184.25	15.67
		-3.74	-180.23	0.07	0.0	200.4	0.18	-0.07	-1.82	0.24	-180.23	-3.74
345	10	-36.40	228.41	-0.41	0.0	0.0	0.81	0.26	2.29	0.32	-230.87	-85.85
		-85.85	-230.87	-0.01	0.0	200.4	0.81	0.26	2.29	0.32	228.41	-36.40
345	11	-27.93	196.44	-0.23	0.0	0.0	0.23	0.17	1.97	0.48	-197.56	-58.95

		-58.95	-197.56	0.01	0.0	200.4	0.23	0.17	1.97	0.48	196.44	-27.93
345	12	2.32	5.61	-2.20e-04	0.0	0.0	0.02	5.32e-03	0.06	1.29e-03	-6.61	1.25
		1.25	-6.61	-3.50e-04	0.0	200.4	0.02	5.32e-03	0.06	1.29e-03	5.61	2.32
345	13	885.08	2786.14	-3.11	-200.39	0.0	-0.61	100.66	27.94	3.12	-2812.96	-4180.62
		-4180.62	-2812.96	0.04	0.0	200.4	-0.61	-99.73	27.94	3.12	2786.14	-4087.98
346	1	402.26	76.49	0.12	10.55	0.0	-1.46	-4.86	0.78	-0.58	-79.39	319.64
		95.68	-79.39	1.12e-03	0.0	200.4	0.78	5.69	0.78	-0.58	76.49	402.26
346	2	1555.86	228.81	0.08	80.85	0.0	-6.33	-40.97	2.32	-0.82	-236.73	1555.86
		-524.16	-236.73	3.32e-03	0.0	200.4	10.87	39.88	2.32	-0.82	228.81	1446.13
346	3	3043.60	447.61	0.16	158.16	0.0	-12.39	-80.15	4.54	-1.60	-463.09	3043.60
		-1025.38	-463.09	6.49e-03	0.0	200.4	21.26	78.01	4.54	-1.60	447.61	2828.95
346	4	-17.97	682.47	0.39	0.0	0.0	-0.91	-0.19	-6.73	0.68	682.47	-41.21
		-41.21	-666.58	0.22	0.0	200.4	-0.91	-0.19	-6.73	0.68	-666.58	-17.97
346	5	-17.97	682.47	0.39	0.0	0.0	-0.91	-0.19	-6.73	0.68	682.47	-41.21
		-41.21	-666.58	0.22	0.0	200.4	-0.91	-0.19	-6.73	0.68	-666.58	-17.97
346	6	-61.74	1236.49	-1.28	0.0	0.0	2.44	0.79	12.44	1.36	-1256.35	-218.23
		-218.23	-1256.35	-0.04	0.0	200.4	2.44	0.79	12.44	1.36	1236.49	-61.74
346	7	-43.97	789.82	-0.67	0.0	0.0	1.46	0.48	7.92	1.70	-797.16	-137.97
		-137.97	-797.16	0.04	0.0	200.4	1.46	0.48	7.92	1.70	789.82	-43.97
346	8	-5.71	217.14	0.12	0.0	0.0	-0.29	-0.06	-2.14	0.22	217.14	-13.11
		-13.11	-212.09	0.07	0.0	200.4	-0.29	-0.06	-2.14	0.22	-212.09	-5.71
346	9	-5.71	217.14	0.12	0.0	0.0	-0.29	-0.06	-2.14	0.22	217.14	-13.11
		-13.11	-212.09	0.07	0.0	200.4	-0.29	-0.06	-2.14	0.22	-212.09	-5.71
346	10	-21.76	405.87	-0.41	0.0	0.0	0.88	0.27	4.08	0.48	-412.31	-74.68
		-74.68	-412.31	-0.01	0.0	200.4	0.88	0.27	4.08	0.48	405.87	-21.76
346	11	-15.88	262.43	-0.21	0.0	0.0	0.47	0.17	2.63	0.57	-264.93	-48.38
		-48.38	-264.93	0.01	0.0	200.4	0.47	0.17	2.63	0.57	262.43	-15.88
346	12	5.06	5.66	-4.55e-04	0.0	0.0	-0.02	-2.81e-03	0.06	5.39e-03	-6.97	5.06
		4.50	-6.97	-3.73e-04	0.0	200.4	-0.02	-2.81e-03	0.06	5.39e-03	5.66	4.50
346	13	1151.41	2810.08	-2.93	-200.39	0.0	3.26	102.60	28.18	4.26	-2835.86	-4108.73
		-4108.73	-2835.86	0.04	0.0	200.4	3.26	-97.79	28.18	4.26	2810.08	-3627.23
347	1	424.25	202.10	0.08	10.55	0.0	10.79	-4.57	2.00	-0.77	-198.60	283.12
		84.76	-198.60	-2.86e-03	0.0	200.4	13.04	5.98	2.00	-0.77	202.10	424.25
347	2	917.87	439.91	0.03	40.43	0.0	3.44	-19.49	4.37	-1.18	-436.49	773.64
		-166.82	-436.49	-6.14e-03	0.0	200.4	12.04	20.93	4.37	-1.18	439.91	917.87
347	3	1795.55	860.56	0.06	79.08	0.0	6.73	-38.13	8.56	-2.30	-853.87	1513.41
		-326.34	-853.87	-0.01	0.0	200.4	23.55	40.95	8.56	-2.30	860.56	1795.55
347	4	-12.46	425.11	0.42	0.0	0.0	-30.45	-0.23	-4.31	0.64	425.11	-53.72
		-53.72	-438.74	0.22	0.0	200.4	-30.45	-0.23	-4.31	0.64	-438.74	-12.46
347	5	-12.46	425.11	0.42	0.0	0.0	-30.45	-0.23	-4.31	0.64	425.11	-53.72
		-53.72	-438.74	0.22	0.0	200.4	-30.45	-0.23	-4.31	0.64	-438.74	-12.46
347	6	-64.05	764.05	-1.25	0.0	0.0	-6.67	0.73	7.62	1.75	-762.16	-199.75
		-199.75	-762.16	-0.04	0.0	200.4	-6.67	0.73	7.62	1.75	764.05	-64.05
347	7	-41.85	437.90	-0.62	0.0	0.0	-10.32	0.37	4.37	1.91	-436.88	-108.38
		-108.38	-436.88	0.04	0.0	200.4	-10.32	0.37	4.37	1.91	437.90	-41.85
347	8	-3.97	135.19	0.13	0.0	0.0	-9.68	-0.07	-1.37	0.20	135.19	-17.08
		-17.08	-139.53	0.07	0.0	200.4	-9.68	-0.07	-1.37	0.20	-139.53	-3.97
347	9	-3.97	135.19	0.13	0.0	0.0	-9.68	-0.07	-1.37	0.20	135.19	-17.08
		-17.08	-139.53	0.07	0.0	200.4	-9.68	-0.07	-1.37	0.20	-139.53	-3.97
347	10	-22.73	251.00	-0.40	0.0	0.0	-2.21	0.23	2.50	0.63	-250.37	-65.37
		-65.37	-250.37	-0.01	0.0	200.4	-2.21	0.23	2.50	0.63	251.00	-22.73
347	11	-15.12	145.32	-0.20	0.0	0.0	-3.31	0.12	1.45	0.66	-144.97	-36.09
		-36.09	-144.97	0.01	0.0	200.4	-3.31	0.12	1.45	0.66	145.32	-15.12
347	12	2.46	5.15	4.73e-04	0.0	0.0	1.68	-4.08e-03	0.04	9.11e-03	-2.44	2.46
		1.65	-2.44	-4.58e-04	0.0	200.4	1.68	-4.08e-03	0.04	9.11e-03	5.15	1.65
347	13	258.41	1222.64	-2.69	-100.19	0.0	-42.27	49.78	12.23	4.93	-1227.29	-2219.14
		-2283.43	-1227.29	0.02	0.0	200.4	-42.27	-50.42	12.23	4.93	1222.64	-2283.43
348	1	-1.174e+04	246.52	-0.06	-29.66	0.0	-47.21	162.88	1.54	123.07	92.38	-2.657e+04
		-2.657e+04	92.38	-2.50e-04	0.0	100.2	-40.90	133.22	1.54	123.07	246.52	-1.174e+04
348	2	-8181.05	463.81	-0.03	0.0	0.0	-43.06	147.90	2.22	311.27	241.72	-2.300e+04
		-2.300e+04	241.72	-5.92e-04	0.0	100.2	-43.06	147.90	2.22	311.27	463.81	-8181.05
348	3	-1.600e+04	907.31	-0.06	0.0	0.0	-84.23	289.31	4.34	608.91	472.86	-4.499e+04
		-4.499e+04	472.86	-1.16e-03	0.0	100.2	-84.23	289.31	4.34	608.91	907.31	-1.600e+04
348	4	-896.66	1930.40	0.22	0.0	0.0	-49.43	8.51	31.82	1166.57	-1273.12	-1718.56
		-1718.56	-1273.12	-0.12	0.0	100.2	-49.43	8.51	31.82	1166.57	1930.40	-896.66
348	5	-896.66	1930.40	0.22	0.0	0.0	-49.43	8.51	31.82	1166.57	-1273.12	-1718.56
		-1718.56	-1273.12	-0.12	0.0	100.2	-49.43	8.51	31.82	1166.57	1930.40	-896.66
348	6	5178.04	571.37	0.31	0.0	0.0	-22.75	-25.40	6.55	-151.43	368.79	5178.04
		2636.22	368.79	0.02	0.0	100.2	-22.75	-25.40	6.55	-151.43	571.37	2636.22
348	7	8180.18	738.02	0.64	0.0	0.0	-52.31	-40.61	10.72	-174.80	-416.98	8180.18
		4116.38	-416.98	-0.03	0.0	100.2	-52.31	-40.61	10.72	-174.80	738.02	4116.38
348	8	-285.52	613.88	0.07	0.0	0.0	-15.72	2.71	10.12	370.90	-404.82	-547.35
		-547.35	-404.82	-0.04	0.0	100.2	-15.72	2.71	10.12	370.90	613.88	-285.52
348	9	-285.52	613.88	0.07	0.0	0.0	-15.72	2.71	10.12	370.90	-404.82	-547.35
		-547.35	-404.82	-0.04	0.0	100.2	-15.72	2.71	10.12	370.90	613.88	-285.52
348	10	1855.71	185.83	0.10	0.0	0.0	-7.53	-9.06	2.12	-49.69	117.33	1855.71

		948.80	117.33	7.89e-03	0.0	100.2	-7.53	-9.06	2.12	-49.69	185.83	948.80
348	11	2883.11	243.38	0.20	0.0	0.0	-16.83	-14.24	3.45	-57.10	-133.14	2883.11
		1458.17	-133.14	-7.96e-03	0.0	100.2	-16.83	-14.24	3.45	-57.10	243.38	1458.17
348	12	6.45	185.76	-3.24e-04	0.0	0.0	-1.85	0.54	3.89	205.72	-204.29	-47.81
		-47.81	-204.29	-1.12e-03	0.0	100.2	-1.85	0.54	3.89	205.72	185.76	6.45
348	13	5.795e+04	1226.53	1.40	0.0	0.0	-20.70	-370.24	18.91	-952.51	-668.27	5.795e+04
		2.086e+04	-668.27	7.05e-04	0.0	100.2	-20.70	-370.24	18.91	-952.51	1226.53	2.086e+04
349	1	-2.000e+04	-6.60	-0.12	-29.66	0.0	-99.44	284.65	0.10	-18.98	-16.24	-4.703e+04
		-4.703e+04	-16.24	-2.80e-05	0.0	100.2	-93.13	254.99	0.10	-18.98	-6.60	-2.000e+04
349	2	-1.923e+04	-19.02	-0.12	0.0	0.0	-140.78	406.10	0.29	-54.11	-47.81	-5.992e+04
		-5.992e+04	-47.81	-1.12e-04	0.0	100.2	-140.78	406.10	0.29	-54.11	-19.02	-1.923e+04
349	3	-3.761e+04	-37.21	-0.23	0.0	0.0	-275.39	794.41	0.56	-105.84	-93.52	-1.172e+05
		-1.172e+05	-93.52	-2.18e-04	0.0	100.2	-275.39	794.41	0.56	-105.84	-37.21	-3.761e+04
349	4	2377.93	2383.87	0.16	0.0	0.0	-8.54	-13.23	34.95	1187.31	-1139.24	2377.93
		1054.96	-1139.24	-0.12	0.0	100.2	-8.54	-13.23	34.95	1187.31	2383.87	1054.96
349	5	2377.93	2383.87	0.16	0.0	0.0	-8.54	-13.23	34.95	1187.31	-1139.24	2377.93
		1054.96	-1139.24	-0.12	0.0	100.2	-8.54	-13.23	34.95	1187.31	2383.87	1054.96
349	6	1.487e+04	722.12	0.40	0.0	0.0	-39.93	-72.92	7.49	-141.35	336.27	1.487e+04
		7574.24	336.27	0.02	0.0	100.2	-39.93	-72.92	7.49	-141.35	722.12	7574.24
349	7	1.949e+04	680.60	0.67	0.0	0.0	-57.48	-96.88	8.83	146.13	-341.93	1.949e+04
		9807.02	-341.93	-0.02	0.0	100.2	-57.48	-96.88	8.83	146.13	680.60	9807.02
349	8	756.09	758.16	0.05	0.0	0.0	-2.72	-4.21	11.11	377.49	-362.25	756.09
		335.45	-362.25	-0.04	0.0	100.2	-2.72	-4.21	11.11	377.49	758.16	335.45
349	9	756.09	758.16	0.05	0.0	0.0	-2.72	-4.21	11.11	377.49	-362.25	756.09
		335.45	-362.25	-0.04	0.0	100.2	-2.72	-4.21	11.11	377.49	758.16	335.45
349	10	5489.90	235.29	0.13	0.0	0.0	-14.55	-26.81	2.44	-45.14	107.09	5489.90
		2807.22	107.09	7.87e-03	0.0	100.2	-14.55	-26.81	2.44	-45.14	235.29	2807.22
349	11	7154.76	227.20	0.21	0.0	0.0	-20.27	-35.37	2.88	46.59	-108.89	7154.76
		3616.89	-108.89	-7.94e-03	0.0	100.2	-20.27	-35.37	2.88	46.59	227.20	3616.89
349	12	39.74	136.90	9.02e-05	0.0	0.0	0.08	-0.40	2.64	139.38	-127.35	39.74
		-0.77	-127.35	-7.39e-04	0.0	100.2	0.08	-0.40	2.64	139.38	136.90	-0.77
349	13	1.463e+05	1591.19	1.80	0.0	0.0	182.68	-992.02	14.84	-0.20	104.24	1.463e+05
		4.688e+04	104.24	-8.23e-04	0.0	100.2	182.68	-992.02	14.84	-0.20	1591.19	4.688e+04
350	1	-1.920e+04	18.16	-0.11	-29.66	0.0	-93.43	267.06	0.14	2.50	4.56	-4.448e+04
		-4.448e+04	4.56	-3.09e-05	0.0	100.2	-87.12	237.40	0.14	2.50	18.16	-1.920e+04
350	2	-1.812e+04	43.04	-0.11	0.0	0.0	-125.73	363.67	0.32	8.34	11.10	-5.455e+04
		-5.455e+04	11.10	-1.06e-04	0.0	100.2	-125.73	363.67	0.32	8.34	43.04	-1.812e+04
350	3	-3.544e+04	84.20	-0.22	0.0	0.0	-245.95	711.41	0.62	16.32	21.71	-1.067e+05
		-1.067e+05	21.71	-2.08e-04	0.0	100.2	-245.95	711.41	0.62	16.32	84.20	-3.544e+04
350	4	667.43	2426.00	0.09	0.0	0.0	-4.77	7.40	35.30	1180.14	-1138.60	-1405.72
		-1405.72	-1138.60	-0.12	0.0	100.2	-4.77	7.40	35.30	1180.14	2426.00	667.43
350	5	667.43	2426.00	0.09	0.0	0.0	-4.77	7.40	35.30	1180.14	-1138.60	-1405.72
		-1405.72	-1138.60	-0.12	0.0	100.2	-4.77	7.40	35.30	1180.14	2426.00	667.43
350	6	1.831e+04	644.06	0.48	0.0	0.0	-49.04	-88.17	6.35	-146.32	322.80	1.831e+04
		9482.87	322.80	0.02	0.0	100.2	-49.04	-88.17	6.35	-146.32	644.06	9482.87
350	7	2.156e+04	432.44	0.63	0.0	0.0	-59.66	-105.16	5.32	148.16	-321.74	2.156e+04
		1.104e+04	-321.74	-0.02	0.0	100.2	-59.66	-105.16	5.32	148.16	432.44	1.104e+04
350	8	212.29	771.49	0.03	0.0	0.0	-1.52	2.35	11.23	375.21	-362.05	-447.13
		-447.13	-362.05	-0.04	0.0	100.2	-1.52	2.35	11.23	375.21	771.49	212.29
350	9	212.29	771.49	0.03	0.0	0.0	-1.52	2.35	11.23	375.21	-362.05	-447.13
		-447.13	-362.05	-0.04	0.0	100.2	-1.52	2.35	11.23	375.21	771.49	212.29
350	10	6784.02	208.62	0.15	0.0	0.0	-17.81	-32.56	2.07	-46.70	102.84	6784.02
		3525.12	102.84	7.88e-03	0.0	100.2	-17.81	-32.56	2.07	-46.70	208.62	3525.12
350	11	7959.70	141.13	0.20	0.0	0.0	-21.37	-38.68	1.73	47.44	-102.76	7959.70
		4088.01	-102.76	-7.94e-03	0.0	100.2	-21.37	-38.68	1.73	47.44	141.13	4088.01
350	12	9.37	68.87	1.59e-04	0.0	0.0	-9.34e-03	-0.07	1.34	69.32	-64.96	9.37
		2.37	-64.96	-3.79e-04	0.0	100.2	-9.34e-03	-0.07	1.34	69.32	68.87	2.37
350	13	1.347e+05	593.43	1.89	0.0	0.0	138.83	-895.49	6.10	-73.13	-17.92	1.347e+05
		4.497e+04	-17.92	-3.54e-04	0.0	100.2	138.83	-895.49	6.10	-73.13	593.43	4.497e+04
351	1	-1.903e+04	1.67	-0.11	-29.66	0.0	-94.54	269.21	0.01	0.03	0.36	-4.452e+04
		-4.452e+04	0.36	-1.39e-05	0.0	100.2	-88.23	239.55	0.01	0.03	1.67	-1.903e+04
351	2	-1.780e+04	2.87	-0.11	0.0	0.0	-128.93	370.99	0.03	0.09	0.32	-5.497e+04
		-5.497e+04	0.32	-5.72e-05	0.0	100.2	-128.93	370.99	0.03	0.09	2.87	-1.780e+04
351	3	-3.482e+04	5.61	-0.21	0.0	0.0	-252.21	725.74	0.05	0.19	0.63	-1.075e+05
		-1.075e+05	0.63	-1.12e-04	0.0	100.2	-252.21	725.74	0.05	0.19	5.61	-3.482e+04
351	4	-2.17	2447.82	3.27e-04	0.0	0.0	-0.42	0.02	35.48	1179.91	-1136.95	-4.62
		-4.62	-1136.95	-0.12	0.0	100.2	-0.42	0.02	35.48	1179.91	2447.82	-2.17
351	5	-2.17	2447.82	3.27e-04	0.0	0.0	-0.42	0.02	35.48	1179.91	-1136.95	-4.62
		-4.62	-1136.95	-0.12	0.0	100.2	-0.42	0.02	35.48	1179.91	2447.82	-2.17
351	6	1.833e+04	457.73	0.56	0.0	0.0	-51.71	-90.43	-4.25	-146.44	312.69	1.833e+04
		9279.84	312.69	0.02	0.0	100.2	-51.71	-90.43	-4.25	-146.44	457.73	9279.84
351	7	1.835e+04	-314.20	0.56	0.0	0.0	-51.92	-90.49	4.26	147.24	-314.20	1.835e+04
		9297.73	-457.30	-0.02	0.0	100.2	-51.92	-90.49	4.26	147.24	-457.30	9297.73
351	8	-0.69	778.36	1.04e-04	0.0	0.0	-0.13	7.76e-03	11.28	375.14	-361.53	-1.47
		-1.47	-361.53	-0.04	0.0	100.2	-0.13	7.76e-03	11.28	375.14	778.36	-0.69
351	9	-0.69	778.36	1.04e-04	0.0	0.0	-0.13	7.76e-03	11.28	375.14	-361.53	-1.47

		-1.47	-361.53	-0.04	0.0	100.2	-0.13	7.76e-03	11.28	375.14	778.36	-0.69
351	10	6752.16	148.10	0.18	0.0	0.0	-18.53	-33.19	-1.38	-46.87	99.50	6752.16
		3430.07	99.50	7.88e-03	0.0	100.2	-18.53	-33.19	-1.38	-46.87	148.10	3430.07
351	11	6761.96	-99.98	0.18	0.0	0.0	-18.58	-33.22	1.38	47.13	-99.98	6761.96
		3437.11	-147.83	-7.93e-03	0.0	100.2	-18.58	-33.22	1.38	47.13	-147.83	3437.11
351	12	15.37	0.03	1.72e-04	0.0	0.0	0.04	-0.15	5.90e-05	-4.99e-04	0.02	15.37
		0.22	0.02	0.0	0.0	100.2	0.04	-0.15	5.90e-05	-4.99e-04	0.03	0.22
351	13	1.359e+05	-3.86	1.91	0.0	0.0	143.89	-913.97	-0.01	0.19	-3.86	1.359e+05
		4.432e+04	-5.08	-4.25e-04	0.0	100.2	143.89	-913.97	-0.01	0.19	-5.08	4.432e+04
352	1	-1.920e+04	-3.84	-0.11	-29.66	0.0	-93.44	267.06	-0.11	-2.45	-3.84	-4.448e+04
		-4.448e+04	-14.89	9.65e-06	0.0	100.2	-87.13	237.40	-0.11	-2.45	-14.89	-1.920e+04
352	2	-1.812e+04	-10.44	-0.11	0.0	0.0	-125.74	363.67	-0.27	-8.15	-10.44	-5.456e+04
		-5.456e+04	-37.53	1.89e-05	0.0	100.2	-125.74	363.67	-0.27	-8.15	-37.53	-1.812e+04
352	3	-3.544e+04	-20.42	-0.22	0.0	0.0	-245.97	711.42	-0.53	-15.94	-20.42	-1.067e+05
		-1.067e+05	-73.42	3.69e-05	0.0	100.2	-245.97	711.42	-0.53	-15.94	-73.42	-3.544e+04
352	4	1407.13	2426.28	-0.09	0.0	0.0	4.05	-7.41	35.31	1180.13	-1138.64	1407.13
		-668.09	-1138.64	-0.12	0.0	100.2	4.05	-7.41	35.31	1180.13	2426.28	-668.09
352	5	1407.13	2426.28	-0.09	0.0	0.0	4.05	-7.41	35.31	1180.13	-1138.64	1407.13
		-668.09	-1138.64	-0.12	0.0	100.2	4.05	-7.41	35.31	1180.13	2426.28	-668.09
352	6	2.159e+04	320.30	0.63	0.0	0.0	-59.46	-105.30	-5.30	-147.36	320.30	2.159e+04
		1.105e+04	-430.68	0.02	0.0	100.2	-59.46	-105.30	-5.30	-147.36	-430.68	1.105e+04
352	7	1.835e+04	-324.38	0.47	0.0	0.0	-49.30	-88.39	-6.36	147.03	-324.38	1.835e+04
		9508.47	-643.40	-0.02	0.0	100.2	-49.30	-88.39	-6.36	147.03	-643.40	9508.47
352	8	447.58	771.58	-0.03	0.0	0.0	1.29	-2.36	11.23	375.21	-362.06	447.58
		-212.50	-362.06	-0.04	0.0	100.2	1.29	-2.36	11.23	375.21	771.58	-212.50
352	9	447.58	771.58	-0.03	0.0	0.0	1.29	-2.36	11.23	375.21	-362.06	447.58
		-212.50	-362.06	-0.04	0.0	100.2	1.29	-2.36	11.23	375.21	771.58	-212.50
352	10	7970.08	102.30	0.20	0.0	0.0	-21.33	-38.73	-1.72	-47.18	102.30	7970.08
		4093.15	-140.46	7.88e-03	0.0	100.2	-21.33	-38.73	-1.72	-47.18	-140.46	4093.15
352	11	6802.50	-103.35	0.15	0.0	0.0	-17.88	-32.64	-2.07	46.93	-103.35	6802.50
		3535.03	-208.36	-7.93e-03	0.0	100.2	-17.88	-32.64	-2.07	46.93	-208.36	3535.03
352	12	9.37	65.01	1.59e-04	0.0	0.0	0.04	-0.07	-1.34	-69.32	65.01	9.37
		2.37	-68.81	3.79e-04	0.0	100.2	0.04	-0.07	-1.34	-69.32	-68.81	2.37
352	13	1.347e+05	10.23	1.89	0.0	0.0	138.61	-895.51	-6.13	73.58	10.23	1.347e+05
		4.498e+04	-603.94	-7.40e-04	0.0	100.2	138.61	-895.51	-6.13	73.58	-603.94	4.498e+04
353	1	-2.000e+04	16.92	-0.12	-29.66	0.0	-99.44	284.65	-0.07	19.03	16.92	-4.703e+04
		-4.703e+04	10.37	-1.32e-05	0.0	100.2	-93.13	254.99	-0.07	19.03	10.37	-2.000e+04
353	2	-1.923e+04	48.38	-0.12	0.0	0.0	-140.78	406.09	-0.23	54.26	48.38	-5.991e+04
		-5.991e+04	25.73	-3.75e-05	0.0	100.2	-140.78	406.09	-0.23	54.26	25.73	-1.923e+04
353	3	-3.761e+04	94.65	-0.23	0.0	0.0	-275.40	794.39	-0.44	106.14	94.65	-1.172e+05
		-1.172e+05	50.33	-7.34e-05	0.0	100.2	-275.40	794.39	-0.44	106.14	50.33	-3.761e+04
353	4	-1055.01	2384.56	-0.16	0.0	0.0	7.84	13.23	34.96	1187.29	-1139.34	-2378.08
		-2378.08	-1139.34	-0.12	0.0	100.2	7.84	13.23	34.96	1187.29	2384.56	-1055.01
353	5	-1055.01	2384.56	-0.16	0.0	0.0	7.84	13.23	34.96	1187.29	-1139.34	-2378.08
		-2378.08	-1139.34	-0.12	0.0	100.2	7.84	13.23	34.96	1187.29	2384.56	-1055.01
353	6	1.949e+04	340.48	0.67	0.0	0.0	-57.29	-96.80	-8.85	-145.44	340.48	1.949e+04
		9807.89	-684.07	0.02	0.0	100.2	-57.29	-96.80	-8.85	-145.44	-684.07	9807.89
353	7	1.484e+04	-337.82	0.40	0.0	0.0	-40.17	-72.81	-7.53	142.07	-337.82	1.484e+04
		7554.23	-724.17	-0.02	0.0	100.2	-40.17	-72.81	-7.53	142.07	-724.17	7554.23
353	8	-335.46	758.38	-0.05	0.0	0.0	2.49	4.21	11.12	377.49	-362.28	-756.14
		-756.14	-362.28	-0.04	0.0	100.2	2.49	4.21	11.12	377.49	758.38	-335.46
353	9	-335.46	758.38	-0.05	0.0	0.0	2.49	4.21	11.12	377.49	-362.28	-756.14
		-756.14	-362.28	-0.04	0.0	100.2	2.49	4.21	11.12	377.49	758.38	-335.46
353	10	7152.16	108.43	0.21	0.0	0.0	-20.22	-35.34	-2.89	-46.38	108.43	7152.16
		3617.23	-228.57	7.89e-03	0.0	100.2	-20.22	-35.34	-2.89	-46.38	-228.57	3617.23
353	11	5478.18	-107.59	0.13	0.0	0.0	-14.61	-26.77	-2.46	45.36	-107.59	5478.18
		2799.57	-236.20	-7.93e-03	0.0	100.2	-14.61	-26.77	-2.46	45.36	-236.20	2799.57
353	12	39.75	127.40	9.02e-05	0.0	0.0	0.17	-0.40	-2.64	-139.38	127.40	39.75
		-0.76	-136.86	7.39e-04	0.0	100.2	0.17	-0.40	-2.64	-139.38	-136.86	-0.76
353	13	1.463e+05	-111.43	1.80	0.0	0.0	182.19	-991.96	-14.93	1.06	-111.43	1.463e+05
		4.687e+04	-1607.24	-8.78e-04	0.0	100.2	182.19	-991.96	-14.93	1.06	-1607.24	4.687e+04
354	1	-1.173e+04	-91.49	-0.06	-29.66	0.0	-46.81	162.76	-1.54	-123.01	-91.49	-2.656e+04
		-2.656e+04	-245.70	2.32e-04	0.0	100.2	-40.50	133.10	-1.54	-123.01	-245.70	-1.173e+04
354	2	-8150.94	-240.67	-0.03	0.0	0.0	-42.73	147.23	-2.21	-311.10	-240.67	-2.290e+04
		-2.290e+04	-462.37	5.18e-04	0.0	100.2	-42.73	147.23	-2.21	-311.10	-462.37	-8150.94
354	3	-1.594e+04	-470.80	-0.06	0.0	0.0	-83.58	288.02	-4.33	-608.58	-470.80	-4.480e+04
		-4.480e+04	-904.49	1.01e-03	0.0	100.2	-83.58	288.02	-4.33	-608.58	-904.49	-1.594e+04
354	4	1715.09	1928.90	-0.22	0.0	0.0	49.06	-8.49	31.84	1166.54	-1276.66	1715.09
		895.08	-1276.66	-0.12	0.0	100.2	49.06	-8.49	31.84	1166.54	1928.90	895.08
354	5	1715.09	1928.90	-0.22	0.0	0.0	49.06	-8.49	31.84	1166.54	-1276.66	1715.09
		895.08	-1276.66	-0.12	0.0	100.2	49.06	-8.49	31.84	1166.54	1928.90	895.08
354	6	8150.17	415.88	0.64	0.0	0.0	-52.18	-40.47	-10.71	174.41	415.88	8150.17
		4100.06	-738.36	0.02	0.0	100.2	-52.18	-40.47	-10.71	174.41	-738.36	4100.06
354	7	5168.12	-370.89	0.31	0.0	0.0	-22.85	-25.35	-6.57	152.07	-370.89	5168.12
		2631.70	-571.51	-0.02	0.0	100.2	-22.85	-25.35	-6.57	152.07	-571.51	2631.70
354	8	546.25	613.40	-0.07	0.0	0.0	15.60	-2.71	10.12	370.89	-405.95	546.25

		285.01	-405.95	-0.04	0.0	100.2	15.60	-2.71	10.12	370.89	613.40	285.01
354	9	546.25	613.40	-0.07	0.0	0.0	15.60	-2.71	10.12	370.89	-405.95	546.25
		285.01	-405.95	-0.04	0.0	100.2	15.60	-2.71	10.12	370.89	613.40	285.01
354	10	2871.88	132.81	0.20	0.0	0.0	-16.79	-14.19	-3.45	56.98	132.81	2871.88
		1451.99	-243.61	7.91e-03	0.0	100.2	-16.79	-14.19	-3.45	56.98	-243.61	1451.99
354	11	1852.00	-118.00	0.10	0.0	0.0	-7.56	-9.04	-2.12	49.89	-118.00	1852.00
		947.10	-185.93	-7.95e-03	0.0	100.2	-7.56	-9.04	-2.12	49.89	-185.93	947.10
354	12	6.47	204.82	-3.24e-04	0.0	0.0	-1.78	0.54	-3.89	-205.72	204.82	-47.79
		-47.79	-185.31	1.12e-03	0.0	100.2	-1.78	0.54	-3.89	-205.72	-185.31	6.47
354	13	5.772e+04	660.09	1.40	0.0	0.0	-21.80	-368.64	-18.84	953.52	660.09	5.772e+04
		2.078e+04	-1227.43	-1.56e-03	0.0	100.2	-21.80	-368.64	-18.84	953.52	-1227.43	2.078e+04
355	1	1262.64	541.88	-0.04	-3.22	0.0	1.99	44.80	-18.59	0.92	541.88	-119.50
		-119.50	-41.93	3.20e-03	0.69	32.0	1.99	41.58	-17.90	0.92	-41.93	1262.64
355	2	3045.68	1016.14	-0.11	0.0	0.0	4.43	106.67	-29.91	-2.71	1016.14	-367.78
		-367.78	59.08	6.40e-03	0.0	32.0	4.43	106.67	-29.91	-2.71	59.08	3045.68
355	3	5958.00	1987.79	-0.21	0.0	0.0	8.67	208.67	-58.51	-5.30	1987.79	-719.46
		-719.46	115.57	0.01	0.0	32.0	8.67	208.67	-58.51	-5.30	115.57	5958.00
355	4	-1088.05	1252.36	-9.06e-03	0.0	0.0	-28.48	3.89	-40.15	-2.12	1252.36	-1148.21
		-1148.21	-93.57	-0.03	0.0	32.0	-28.48	3.89	-40.15	-2.12	-93.57	-1088.05
355	5	-1088.05	1252.36	-9.06e-03	0.0	0.0	-28.48	3.89	-40.15	-2.12	1252.36	-1148.21
		-1148.21	-93.57	-0.03	0.0	32.0	-28.48	3.89	-40.15	-2.12	-93.57	-1088.05
355	6	302.43	795.12	0.02	0.0	0.0	3.60	-9.88	-17.12	3.93	795.12	134.75
		134.75	270.46	5.39e-03	0.0	32.0	3.60	-9.88	-17.12	3.93	270.46	302.43
355	7	158.69	1499.85	0.02	0.0	0.0	3.49	-15.71	-34.39	3.37	1499.85	158.69
		-443.32	416.29	-0.01	0.0	32.0	3.49	-15.71	-34.39	3.37	416.29	-443.32
355	8	-345.94	398.18	-2.88e-03	0.0	0.0	-9.06	1.24	-12.76	-0.67	398.18	-365.06
		-365.06	-29.92	-9.69e-03	0.0	32.0	-9.06	1.24	-12.76	-0.67	-29.92	-345.94
355	9	-345.94	398.18	-2.88e-03	0.0	0.0	-9.06	1.24	-12.76	-0.67	398.18	-365.06
		-365.06	-29.92	-9.69e-03	0.0	32.0	-9.06	1.24	-12.76	-0.67	-29.92	-345.94
355	10	106.33	263.88	7.40e-03	0.0	0.0	1.15	-3.52	-5.66	1.35	263.88	43.63
		43.63	90.28	1.68e-03	0.0	32.0	1.15	-3.52	-5.66	1.35	90.28	106.33
355	11	51.18	490.09	5.45e-03	0.0	0.0	1.12	-5.48	-11.17	1.21	490.09	51.18
		-155.34	138.48	-4.38e-03	0.0	32.0	1.12	-5.48	-11.17	1.21	138.48	-155.34
355	12	-185.45	54.86	1.27e-03	0.0	0.0	-4.57	0.58	-2.00	-0.12	54.86	-203.89
		-203.89	-9.09	-5.03e-05	0.0	32.0	-4.57	0.58	-2.00	-0.12	-9.09	-185.45
355	13	1055.26	1916.37	0.33	0.0	0.0	-8.39	-265.19	-27.28	11.72	1916.37	1055.26
		-7430.75	1043.38	0.02	0.0	32.0	-8.39	-265.19	-27.28	11.72	1043.38	-7430.75
356	1	4554.60	365.36	-0.16	-16.62	0.0	2.12	28.26	-5.99	-1.39	365.36	1262.06
		1262.06	-331.73	0.04	3.53	165.0	2.12	11.65	-2.46	-1.39	-331.73	4554.60
356	2	1.313e+04	942.82	-0.42	0.0	0.0	4.68	61.12	-12.07	-1.04	942.82	3040.65
		3040.65	-1048.26	0.11	0.0	165.0	4.68	61.12	-12.07	-1.04	-1048.26	1.313e+04
356	3	2.568e+04	1844.35	-0.81	0.0	0.0	9.16	119.56	-23.61	-2.02	1844.35	5948.15
		5948.15	-2050.62	0.22	0.0	165.0	9.16	119.56	-23.61	-2.02	-2050.62	2.568e+04
356	4	-786.34	825.09	-0.07	0.0	0.0	-23.02	3.36	-9.39	-1.62	825.09	-1087.67
		-1087.67	-724.10	-0.07	0.0	165.0	-23.02	3.36	-9.39	-1.62	-724.10	-786.34
356	5	-786.34	825.09	-0.07	0.0	0.0	-23.02	3.36	-9.39	-1.62	825.09	-1087.67
		-1087.67	-724.10	-0.07	0.0	165.0	-23.02	3.36	-9.39	-1.62	-724.10	-786.34
356	6	302.41	1119.73	0.12	0.0	0.0	2.93	-7.14	-12.55	4.07	1119.73	302.41
		-1445.43	-952.46	0.13	0.0	165.0	2.93	-7.14	-12.55	4.07	-952.46	-1445.43
356	7	-443.31	1949.59	0.08	0.0	0.0	2.88	-10.51	-22.28	3.62	1949.59	-443.31
		-2155.21	-1728.27	0.11	0.0	165.0	2.88	-10.51	-22.28	3.62	-1728.27	-2155.21
356	8	-250.18	262.44	-0.02	0.0	0.0	-7.32	1.07	-2.99	-0.52	262.44	-345.82
		-345.82	-230.28	-0.02	0.0	165.0	-7.32	1.07	-2.99	-0.52	-230.28	-250.18
356	9	-250.18	262.44	-0.02	0.0	0.0	-7.32	1.07	-2.99	-0.52	262.44	-345.82
		-345.82	-230.28	-0.02	0.0	165.0	-7.32	1.07	-2.99	-0.52	-230.28	-250.18
356	10	106.32	372.62	0.04	0.0	0.0	0.94	-2.58	-4.18	1.40	372.62	106.32
		-521.32	-317.41	0.04	0.0	165.0	0.94	-2.58	-4.18	1.40	-317.41	-521.32
356	11	-155.33	641.49	0.03	0.0	0.0	0.93	-3.69	-7.33	1.31	641.49	-155.33
		-757.30	-569.22	0.03	0.0	165.0	0.93	-3.69	-7.33	1.31	-569.22	-757.30
356	12	-91.22	2.74	2.66e-03	0.0	0.0	-4.55	0.57	-0.04	-0.03	2.74	-185.35
		-185.35	-4.36	6.61e-04	0.0	165.0	-4.55	0.57	-0.04	-0.03	-4.36	-91.22
356	13	-7419.61	3440.61	1.34	0.0	0.0	-8.26	-153.72	-36.95	7.03	3440.61	-7419.61
		-3.278e+04	-2656.03	0.46	0.0	165.0	-8.26	-153.72	-36.95	7.03	-2656.03	-3.278e+04
357	1	4554.91	82.32	-0.02	-16.62	0.0	2.35	-1.29	-0.29	-1.92	-160.95	4554.91
		2970.80	-162.82	-0.02	3.53	165.0	2.35	-17.91	3.24	-1.92	82.32	2970.80
357	2	1.312e+04	64.56	-0.05	0.0	0.0	5.35	-26.13	3.66	-3.49	-539.28	1.312e+04
		8813.07	-539.28	-0.05	0.0	165.0	5.35	-26.13	3.66	-3.49	64.56	8813.07
357	3	2.567e+04	126.29	-0.09	0.0	0.0	10.47	-51.12	7.16	-6.83	-1054.95	2.567e+04
		1.724e+04	-1054.95	-0.10	0.0	165.0	10.47	-51.12	7.16	-6.83	126.29	1.724e+04
357	4	441.37	652.06	-0.09	0.0	0.0	-12.31	3.73	-8.20	-1.27	652.06	-786.65
		-786.65	-701.76	-0.08	0.0	165.0	-12.31	3.73	-8.20	-1.27	-701.76	441.37
357	5	441.37	652.06	-0.09	0.0	0.0	-12.31	3.73	-8.20	-1.27	652.06	-786.65
		-786.65	-701.76	-0.08	0.0	165.0	-12.31	3.73	-8.20	-1.27	-701.76	441.37
357	6	-1384.86	748.61	0.11	0.0	0.0	1.99	-2.24	-9.66	3.62	748.61	-1445.73
		-1445.73	-851.46	0.13	0.0	165.0	1.99	-2.24	-9.66	3.62	-851.46	-1384.86
357	7	-1962.15	978.67	0.03	0.0	0.0	3.14	-2.47	-13.45	2.79	978.67	-2155.62

		-2155.62	-1252.93	0.05	0.0	165.0	3.14	-2.47	-13.45	2.79	-1252.93	-1962.15
357	8	140.76	207.60	-0.03	0.0	0.0	-3.92	1.19	-2.61	-0.40	207.60	-250.28
		-250.28	-223.33	-0.03	0.0	165.0	-3.92	1.19	-2.61	-0.40	-223.33	140.76
357	9	140.76	207.60	-0.03	0.0	0.0	-3.92	1.19	-2.61	-0.40	207.60	-250.28
		-250.28	-223.33	-0.03	0.0	165.0	-3.92	1.19	-2.61	-0.40	-223.33	140.76
357	10	-501.73	251.34	0.03	0.0	0.0	0.68	-0.82	-3.24	1.22	251.34	-521.42
		-521.42	-284.85	0.04	0.0	165.0	0.68	-0.82	-3.24	1.22	-284.85	-501.73
357	11	-682.99	322.56	9.78e-03	0.0	0.0	1.06	-0.92	-4.43	0.98	322.56	-757.42
		-757.42	-412.57	0.02	0.0	165.0	1.06	-0.92	-4.43	0.98	-412.57	-682.99
357	12	-0.58	7.17	-1.08e-03	0.0	0.0	-4.55	0.55	-0.09	0.05	7.17	-91.24
		-91.24	-6.95	7.69e-04	0.0	165.0	-4.55	0.55	-0.09	0.05	-6.95	-0.58
357	13	-2.260e+04	3223.47	0.29	0.0	0.0	-3.90	61.69	-39.14	13.32	3223.47	-3.278e+04
		-3.278e+04	-3235.11	0.57	0.0	165.0	-3.90	61.69	-39.14	13.32	-3235.11	-2.260e+04
358	1	2972.27	607.32	0.10	-16.62	0.0	1.73	-31.48	5.11	-1.86	-526.72	2972.27
		-3592.88	-526.72	-0.08	3.53	165.0	1.73	-48.10	8.64	-1.86	607.32	-3592.88
358	2	8818.09	1545.71	0.28	0.0	0.0	3.73	-115.23	18.66	-3.63	-1532.61	8818.09
		-1.020e+04	-1532.61	-0.20	0.0	165.0	3.73	-115.23	18.66	-3.63	1545.71	-1.020e+04
358	3	1.725e+04	3023.73	0.55	0.0	0.0	7.29	-225.42	36.50	-7.10	-2998.11	1.725e+04
		-1.994e+04	-2998.11	-0.39	0.0	165.0	7.29	-225.42	36.50	-7.10	3023.73	-1.994e+04
358	4	747.82	459.95	-0.10	0.0	0.0	-1.96	5.10	-6.15	-1.45	459.95	441.48
		441.48	-555.05	-0.12	0.0	165.0	-1.96	5.10	-6.15	-1.45	-555.05	747.82
358	5	747.82	459.95	-0.10	0.0	0.0	-1.96	5.10	-6.15	-1.45	459.95	441.48
		441.48	-555.05	-0.12	0.0	165.0	-1.96	5.10	-6.15	-1.45	-555.05	747.82
358	6	-835.76	-508.49	0.09	0.0	0.0	2.00	10.32	6.90	3.30	-508.49	-1385.46
		-1385.46	-638.03	0.09	0.0	165.0	2.00	10.32	6.90	3.30	-638.03	-835.76
358	7	-1005.73	740.61	-0.02	0.0	0.0	3.37	14.70	8.37	2.27	-662.23	-1962.91
		-1962.91	-662.23	-0.08	0.0	165.0	3.37	14.70	8.37	2.27	740.61	-1005.73
358	8	237.89	146.60	-0.03	0.0	0.0	-0.62	1.62	-1.96	-0.46	146.60	140.79
		140.79	-176.94	-0.04	0.0	165.0	-0.62	1.62	-1.96	-0.46	-176.94	237.89
358	9	237.89	146.60	-0.03	0.0	0.0	-0.62	1.62	-1.96	-0.46	146.60	140.79
		140.79	-176.94	-0.04	0.0	165.0	-0.62	1.62	-1.96	-0.46	-176.94	237.89
358	10	-303.84	-179.54	0.03	0.0	0.0	0.70	3.75	2.41	1.08	-179.54	-501.96
		-501.96	-220.78	0.03	0.0	165.0	0.70	3.75	2.41	1.08	-220.78	-303.84
358	11	-374.09	257.09	-6.94e-03	0.0	0.0	1.13	5.31	2.94	0.77	-234.54	-683.27
		-683.27	-234.54	-0.02	0.0	165.0	1.13	5.31	2.94	0.77	257.09	-374.09
358	12	87.23	4.53	-1.13e-03	0.0	0.0	-4.54	0.53	-0.05	0.04	4.53	-0.63
		-0.63	-3.82	6.54e-04	0.0	165.0	-4.54	0.53	-0.05	0.04	-3.82	87.23
358	13	2.381e+04	2603.01	-0.43	0.0	0.0	0.42	281.39	-35.47	13.50	2603.01	-2.262e+04
		-2.262e+04	-3249.88	0.47	0.0	165.0	0.42	281.39	-35.47	13.50	-3249.88	2.381e+04
359	1	-3591.88	803.96	0.01	-3.32	0.0	1.46	-62.70	24.78	-6.08	-25.45	-3591.88
		-5715.93	-25.45	-4.89e-03	0.71	33.0	1.46	-66.03	25.49	-6.08	803.96	-5715.93
359	2	-1.019e+04	1638.06	0.03	0.0	0.0	3.16	-163.38	46.29	-4.66	110.57	-1.019e+04
		-1.558e+04	110.57	-0.01	0.0	33.0	3.16	-163.38	46.29	-4.66	1638.06	-1.558e+04
359	3	-1.994e+04	3204.40	0.06	0.0	0.0	6.18	-319.60	90.55	-9.12	216.30	-1.994e+04
		-3.048e+04	216.30	-0.02	0.0	33.0	6.18	-319.60	90.55	-9.12	3204.40	-3.048e+04
359	4	909.23	128.02	-0.02	0.0	0.0	3.74	5.94	-33.80	-1.61	128.02	747.75
		747.75	-1005.27	-0.03	0.0	33.0	3.74	5.94	-33.80	-1.61	-1005.27	909.23
359	5	909.23	128.02	-0.02	0.0	0.0	3.74	5.94	-33.80	-1.61	128.02	747.75
		747.75	-1005.27	-0.03	0.0	33.0	3.74	5.94	-33.80	-1.61	-1005.27	909.23
359	6	1192.24	438.72	0.02	0.0	0.0	2.08	15.82	9.86	4.15	-163.16	-835.53
		-835.53	-163.16	8.92e-03	0.0	33.0	2.08	15.82	9.86	4.15	438.72	1192.24
359	7	-1005.29	541.75	-5.41e-03	0.0	0.0	3.46	22.07	12.54	3.54	-174.74	-1005.29
		-1553.10	-174.74	-0.02	0.0	33.0	3.46	22.07	12.54	3.54	541.75	-1553.10
359	8	289.16	40.88	-6.13e-03	0.0	0.0	1.19	1.89	-10.75	-0.51	40.88	237.86
		237.86	-319.68	-0.01	0.0	33.0	1.19	1.89	-10.75	-0.51	-319.68	289.16
359	9	289.16	40.88	-6.13e-03	0.0	0.0	1.19	1.89	-10.75	-0.51	40.88	237.86
		237.86	-319.68	-0.01	0.0	33.0	1.19	1.89	-10.75	-0.51	-319.68	289.16
359	10	434.09	153.31	6.46e-03	0.0	0.0	0.72	5.77	3.45	1.41	-56.12	-303.76
		-303.76	-56.12	2.84e-03	0.0	33.0	0.72	5.77	3.45	1.41	153.31	434.09
359	11	-373.93	191.56	-1.72e-03	0.0	0.0	1.15	7.97	4.48	1.27	-59.64	-373.93
		-579.48	-59.64	-6.83e-03	0.0	33.0	1.15	7.97	4.48	1.27	191.56	-579.48
359	12	104.76	5.86	8.65e-05	0.0	0.0	-4.53	0.53	-1.22	2.87e-03	5.86	87.23
		87.23	-34.36	4.27e-05	0.0	33.0	-4.53	0.53	-1.22	2.87e-03	-34.36	104.76
359	13	3.697e+04	-349.46	-0.03	0.0	0.0	0.96	398.82	-83.75	14.57	-349.46	2.380e+04
		2.380e+04	-3113.29	0.02	0.0	33.0	0.96	398.82	-83.75	14.57	-3113.29	3.697e+04
360	1	-3849.20	743.53	2.83e-03	-3.22	0.0	0.82	59.05	-24.75	4.42	743.53	-5687.39
		-5687.39	-37.58	4.17e-03	0.69	32.0	0.82	55.83	-24.07	4.42	-37.58	-3849.20
360	2	-1.083e+04	1492.05	8.32e-03	0.0	0.0	1.60	145.96	-44.13	-0.18	1492.05	-1.550e+04
		-1.550e+04	79.89	8.83e-03	0.0	32.0	1.60	145.96	-44.13	-0.18	79.89	-1.083e+04
360	3	-2.119e+04	2918.76	0.02	0.0	0.0	3.12	285.53	-86.33	-0.36	2918.76	-3.032e+04
		-3.032e+04	156.27	0.02	0.0	32.0	3.12	285.53	-86.33	-0.36	156.27	-2.119e+04
360	4	-289.36	1169.05	-0.02	0.0	0.0	-23.58	2.66	-38.17	-2.06	1169.05	-289.36
		-290.78	-88.33	-0.03	0.0	32.0	-23.58	2.66	-38.17	-2.06	-88.33	-290.78
360	5	-289.36	1169.05	-0.02	0.0	0.0	-23.58	2.66	-38.17	-2.06	1169.05	-289.36
		-290.78	-88.33	-0.03	0.0	32.0	-23.58	2.66	-38.17	-2.06	-88.33	-290.78
360	6	1196.47	985.30	0.02	0.0	0.0	3.19	-14.77	-21.72	2.82	985.30	1196.47

		859.66	310.64	0.01	0.0	32.0	3.19	-14.77	-21.72	2.82	310.64	859.66
360	7	-1064.58	1203.53	-4.37e-03	0.0	0.0	3.96	-19.79	-28.55	2.50	1203.53	-1554.63
		-1554.63	309.73	-0.02	0.0	32.0	3.96	-19.79	-28.55	2.50	309.73	-1064.58
360	8	-92.24	371.76	-5.83e-03	0.0	0.0	-7.50	0.85	-12.14	-0.66	371.76	-92.24
		-92.66	-28.45	-9.53e-03	0.0	32.0	-7.50	0.85	-12.14	-0.66	-28.45	-92.66
360	9	-92.24	371.76	-5.83e-03	0.0	0.0	-7.50	0.85	-12.14	-0.66	371.76	-92.24
		-92.66	-28.45	-9.53e-03	0.0	32.0	-7.50	0.85	-12.14	-0.66	-28.45	-92.66
360	10	434.65	343.96	6.74e-03	0.0	0.0	1.07	-5.37	-7.63	0.91	343.96	434.65
		312.39	106.33	3.81e-03	0.0	32.0	1.07	-5.37	-7.63	0.91	106.33	312.39
360	11	-396.91	415.96	-1.35e-03	0.0	0.0	1.30	-7.13	-9.83	0.84	415.96	-578.98
		-578.98	107.68	-5.10e-03	0.0	32.0	1.30	-7.13	-9.83	0.84	107.68	-396.91
360	12	-30.53	31.64	1.37e-04	0.0	0.0	-7.52	0.12	-1.19	-0.02	31.64	-34.48
		-34.48	-6.38	-3.33e-05	0.0	32.0	-7.52	0.12	-1.19	-0.02	-6.38	-30.53
360	13	3.687e+04	682.95	0.02	0.0	0.0	2.89	-357.27	27.13	5.24	-185.14	3.687e+04
		2.543e+04	-185.14	2.27e-03	0.0	32.0	2.89	-357.27	27.13	5.24	682.95	2.543e+04
361	1	1560.99	513.43	-0.04	-16.62	0.0	1.02	41.10	-7.61	0.08	513.43	-3849.27
		-3849.27	-451.56	0.06	3.53	165.0	1.02	24.48	-4.08	0.08	-451.56	1560.99
361	2	5227.93	1318.86	-0.12	0.0	0.0	2.01	97.32	-16.18	-0.90	1318.86	-1.083e+04
		-1.083e+04	-1351.21	0.17	0.0	165.0	2.01	97.32	-16.18	-0.90	-1351.21	5227.93
361	3	1.023e+04	2579.96	-0.23	0.0	0.0	3.94	190.39	-31.66	-1.76	2579.96	-2.119e+04
		-2.119e+04	-2643.26	0.33	0.0	165.0	3.94	190.39	-31.66	-1.76	-2643.26	1.023e+04
361	4	406.15	761.67	-0.10	0.0	0.0	-18.15	2.00	-8.59	-1.80	761.67	-290.82
		-290.82	-655.58	-0.10	0.0	165.0	-18.15	2.00	-8.59	-1.80	-655.58	406.15
361	5	406.15	761.67	-0.10	0.0	0.0	-18.15	2.00	-8.59	-1.80	761.67	-290.82
		-290.82	-655.58	-0.10	0.0	165.0	-18.15	2.00	-8.59	-1.80	-655.58	406.15
361	6	859.54	1357.77	0.12	0.0	0.0	2.80	-9.32	-15.62	3.20	1357.77	859.54
		-1175.72	-1221.82	0.16	0.0	165.0	2.80	-9.32	-15.62	3.20	-1221.82	-1175.72
361	7	-1064.48	1523.05	-0.02	0.0	0.0	3.89	-12.44	-17.98	2.58	1523.05	-1064.48
		-1543.59	-1446.72	0.02	0.0	165.0	3.89	-12.44	-17.98	2.58	-1446.72	-1543.59
361	8	129.26	242.60	-0.03	0.0	0.0	-5.77	0.64	-2.73	-0.57	242.60	-92.67
		-92.67	-208.73	-0.03	0.0	165.0	-5.77	0.64	-2.73	-0.57	-208.73	129.26
361	9	129.26	242.60	-0.03	0.0	0.0	-5.77	0.64	-2.73	-0.57	242.60	-92.67
		-92.67	-208.73	-0.03	0.0	165.0	-5.77	0.64	-2.73	-0.57	-208.73	129.26
361	10	312.35	469.85	0.04	0.0	0.0	0.97	-3.37	-5.43	1.04	469.85	312.35
		-424.27	-426.69	0.05	0.0	165.0	0.97	-3.37	-5.43	1.04	-426.69	-424.27
361	11	-396.88	528.02	-6.41e-03	0.0	0.0	1.29	-4.48	-6.25	0.87	528.02	-396.88
		-531.88	-504.77	8.10e-03	0.0	165.0	1.29	-4.48	-6.25	0.87	-504.77	-531.88
361	12	-9.71	-0.20	1.54e-04	0.0	0.0	-7.50	0.13	-6.20e-03	3.11e-03	-0.20	-30.53
		-30.53	-1.23	1.13e-04	0.0	165.0	-7.50	0.13	-6.20e-03	3.11e-03	-1.23	-9.71
361	13	2.544e+04	1183.63	0.49	0.0	0.0	2.48	-238.68	-12.44	5.41	1183.63	2.544e+04
		-1.395e+04	-868.16	0.15	0.0	165.0	2.48	-238.68	-12.44	5.41	-868.16	-1.395e+04
362	1	2070.63	-7.86	-0.01	-16.62	0.0	1.48	10.14	-2.14	0.32	-7.86	1560.39
		1560.39	-115.06	8.86e-03	3.53	165.0	1.48	-6.48	1.39	0.32	-70.11	1862.68
362	2	6104.60	-153.23	-0.03	0.0	0.0	3.26	5.33	-1.01	0.66	-153.23	5225.51
		5225.51	-319.94	0.02	0.0	165.0	3.26	5.33	-1.01	0.66	-319.94	6104.60
362	3	1.194e+04	-299.75	-0.06	0.0	0.0	6.37	10.42	-1.98	1.29	-299.75	1.022e+04
		1.022e+04	-625.87	0.04	0.0	165.0	6.37	10.42	-1.98	1.29	-625.87	1.194e+04
362	4	465.61	696.37	-0.11	0.0	0.0	-7.49	1.80	-8.55	-1.83	696.37	406.20
		406.20	-714.85	-0.11	0.0	165.0	-7.49	1.80	-8.55	-1.83	-714.85	465.61
362	5	465.61	696.37	-0.11	0.0	0.0	-7.49	1.80	-8.55	-1.83	696.37	406.20
		406.20	-714.85	-0.11	0.0	165.0	-7.49	1.80	-8.55	-1.83	-714.85	465.61
362	6	-1037.62	699.79	0.11	0.0	0.0	3.12	-3.56	-9.23	3.13	699.79	-1175.68
		-1175.68	-848.58	0.14	0.0	165.0	3.12	-3.56	-9.23	3.13	-848.58	-1037.62
362	7	-1404.47	592.78	-0.06	0.0	0.0	4.84	2.27	-7.63	-2.65	592.78	-1543.55
		-1543.55	-734.25	-0.06	0.0	165.0	4.84	2.27	-7.63	-2.65	-734.25	-1404.47
362	8	148.29	221.82	-0.03	0.0	0.0	-2.38	0.57	-2.72	-0.58	221.82	129.27
		129.27	-227.70	-0.03	0.0	165.0	-2.38	0.57	-2.72	-0.58	-227.70	148.29
362	9	148.29	221.82	-0.03	0.0	0.0	-2.38	0.57	-2.72	-0.58	221.82	129.27
		129.27	-227.70	-0.03	0.0	165.0	-2.38	0.57	-2.72	-0.58	-227.70	148.29
362	10	-370.13	231.75	0.03	0.0	0.0	1.11	-1.34	-3.06	1.00	231.75	-424.25
		-424.25	-284.03	0.05	0.0	165.0	1.11	-1.34	-3.06	1.00	-284.03	-370.13
362	11	-479.84	194.99	-0.02	0.0	0.0	1.64	0.83	-2.49	-0.87	194.99	-531.85
		-531.85	-242.83	-0.02	0.0	165.0	1.64	0.83	-2.49	-0.87	-242.83	-479.84
362	12	12.17	2.36	-2.91e-04	0.0	0.0	-7.51	0.13	-0.03	0.01	2.36	-9.72
		-9.72	-2.17	9.74e-05	0.0	165.0	-7.51	0.13	-0.03	0.01	-2.17	12.17
362	13	-1.394e+04	998.96	0.19	0.0	0.0	3.72	-12.23	-12.21	1.06	998.96	-1.394e+04
		-1.596e+04	-1015.63	0.18	0.0	165.0	3.72	-12.23	-12.21	1.06	-1015.63	-1.596e+04
363	1	1862.95	450.29	0.05	-16.62	0.0	1.09	-20.70	3.40	0.14	-402.88	1862.95
		-2922.78	-402.88	-0.06	3.53	165.0	1.09	-37.31	6.94	0.14	450.29	-2922.78
363	2	6106.18	1149.33	0.14	0.0	0.0	2.21	-86.32	14.36	1.17	-1220.18	6106.18
		-8136.71	-1220.18	-0.15	0.0	165.0	2.21	-86.32	14.36	1.17	1149.33	-8136.71
363	3	1.194e+04	2248.34	0.27	0.0	0.0	4.31	-168.86	28.09	2.29	-2386.94	1.194e+04
		-1.592e+04	-2386.94	-0.29	0.0	165.0	4.31	-168.86	28.09	2.29	2248.34	-1.592e+04
363	4	624.76	554.12	-0.11	0.0	0.0	3.43	2.73	-7.36	-2.03	554.12	465.48
		465.48	-660.54	-0.13	0.0	165.0	3.43	2.73	-7.36	-2.03	-660.54	624.76
363	5	624.76	554.12	-0.11	0.0	0.0	3.43	2.73	-7.36	-2.03	554.12	465.48

		465.48	-660.54	-0.13	0.0	165.0	3.43	2.73	-7.36	-2.03	-660.54	624.76
363	6	-1037.78	820.17	0.10	0.0	0.0	3.09	12.23	9.61	3.30	-775.70	-1037.78
		-1587.86	-775.70	0.08	0.0	165.0	3.09	12.23	9.61	3.30	820.17	-1587.86
363	7	-1365.57	1132.61	-0.09	0.0	0.0	4.40	14.09	13.67	-2.88	-1127.55	-1404.61
		-1404.61	-1127.55	-0.15	0.0	165.0	4.40	14.09	13.67	-2.88	1132.61	-1365.57
363	8	198.92	176.43	-0.04	0.0	0.0	1.09	0.87	-2.34	-0.65	176.43	148.25
		148.25	-210.40	-0.04	0.0	165.0	1.09	0.87	-2.34	-0.65	-210.40	198.92
363	9	198.92	176.43	-0.04	0.0	0.0	1.09	0.87	-2.34	-0.65	176.43	148.25
		148.25	-210.40	-0.04	0.0	165.0	1.09	0.87	-2.34	-0.65	-210.40	198.92
363	10	-370.19	293.80	0.03	0.0	0.0	1.06	4.50	3.48	1.06	-283.52	-370.19
		-593.88	-283.52	0.03	0.0	165.0	1.06	4.50	3.48	1.06	293.80	-593.88
363	11	-479.89	405.18	-0.03	0.0	0.0	1.46	5.10	4.91	-0.94	-405.75	-479.89
		-512.44	-405.75	-0.05	0.0	165.0	1.46	5.10	4.91	-0.94	405.18	-512.44
363	12	34.79	1.09	2.10e-04	0.0	0.0	-7.51	0.14	-8.38e-03	-2.31e-03	1.09	12.17
		12.17	-0.29	8.97e-05	0.0	165.0	-7.51	0.14	-8.38e-03	-2.31e-03	-0.29	34.79
363	13	1.924e+04	789.64	-0.23	0.0	0.0	4.93	213.37	-10.49	-0.63	789.64	-1.596e+04
		-1.596e+04	-940.41	0.15	0.0	165.0	4.93	213.37	-10.49	-0.63	-940.41	1.924e+04
364	1	-2922.54	681.65	2.46e-03	-3.32	0.0	0.87	-51.86	21.98	-4.23	-55.30	-2922.54
		-4688.85	-55.30	-4.01e-03	0.71	33.0	0.87	-55.19	22.69	-4.23	681.65	-4688.85
364	2	-8135.59	1331.56	6.20e-03	0.0	0.0	1.76	-134.54	39.31	0.02	34.17	-8135.59
		-1.258e+04	34.17	-8.32e-03	0.0	33.0	1.76	-134.54	39.31	0.02	1331.56	-1.258e+04
364	3	-1.591e+04	2604.81	0.01	0.0	0.0	3.44	-263.19	76.91	0.05	66.85	-1.591e+04
		-2.460e+04	66.85	-0.02	0.0	33.0	3.44	-263.19	76.91	0.05	2604.81	-2.460e+04
364	4	689.89	122.15	-0.02	0.0	0.0	8.72	3.33	-35.06	-2.16	122.15	624.86
		624.86	-1069.11	-0.03	0.0	33.0	8.72	3.33	-35.06	-2.16	-1069.11	689.89
364	5	689.89	122.15	-0.02	0.0	0.0	8.72	3.33	-35.06	-2.16	122.15	624.86
		624.86	-1069.11	-0.03	0.0	33.0	8.72	3.33	-35.06	-2.16	-1069.11	689.89
364	6	2099.22	637.65	0.02	0.0	0.0	3.18	17.76	15.49	4.04	-175.42	-1587.67
		-1587.67	-175.42	0.01	0.0	33.0	3.18	17.76	15.49	4.04	637.65	2099.22
364	7	1991.96	885.01	-0.02	0.0	0.0	4.44	21.38	20.78	-3.17	222.14	-1365.47
		-1365.47	222.14	-0.02	0.0	33.0	4.44	21.38	20.78	-3.17	885.01	1991.96
364	8	219.59	39.06	-6.93e-03	0.0	0.0	2.77	1.06	-11.15	-0.69	39.06	198.95
		198.95	-339.96	-9.93e-03	0.0	33.0	2.77	1.06	-11.15	-0.69	-339.96	219.59
364	9	219.59	39.06	-6.93e-03	0.0	0.0	2.77	1.06	-11.15	-0.69	39.06	198.95
		198.95	-339.96	-9.93e-03	0.0	33.0	2.77	1.06	-11.15	-0.69	-339.96	219.59
364	10	782.81	232.24	7.12e-03	0.0	0.0	1.07	6.51	5.66	1.34	-60.66	-593.81
		-593.81	-60.66	4.18e-03	0.0	33.0	1.07	6.51	5.66	1.34	232.24	782.81
364	11	743.31	320.41	-5.74e-03	0.0	0.0	1.46	7.75	7.57	-1.08	77.69	-512.40
		-512.40	77.69	-7.19e-03	0.0	33.0	1.46	7.75	7.57	-1.08	320.41	743.31
364	12	39.37	3.45	1.83e-04	0.0	0.0	-7.50	0.14	-0.60	-0.02	3.45	34.80
		34.80	-16.38	1.37e-05	0.0	33.0	-7.50	0.14	-0.60	-0.02	-16.38	39.37
364	13	3.016e+04	151.32	4.17e-03	0.0	0.0	5.12	330.90	-49.31	0.83	151.32	1.924e+04
		1.924e+04	-1475.96	9.11e-03	0.0	33.0	5.12	330.90	-49.31	0.83	-1475.96	3.016e+04
365	1	-2945.04	704.67	-4.05e-03	-3.22	0.0	0.83	56.29	-23.59	5.08	704.67	-4694.83
		-4694.83	-39.33	3.97e-03	0.69	32.0	0.83	53.07	-22.91	5.08	-39.33	-2945.04
365	2	-8177.43	1389.87	-0.01	0.0	0.0	1.69	137.96	-41.14	1.63	1389.87	-1.259e+04
		-1.259e+04	73.26	8.29e-03	0.0	32.0	1.69	137.96	-41.14	1.63	73.26	-8177.43
365	3	-1.600e+04	2718.88	-0.02	0.0	0.0	3.30	269.88	-80.49	3.18	2718.88	-2.463e+04
		-2.463e+04	143.32	0.02	0.0	32.0	3.30	269.88	-80.49	3.18	143.32	-1.600e+04
365	4	-532.86	1162.39	-0.02	0.0	0.0	-18.67	1.99	-37.81	-2.38	1162.39	-566.53
		-566.53	-106.80	-0.03	0.0	32.0	-18.67	1.99	-37.81	-2.38	-106.80	-532.86
365	5	-532.86	1162.39	-0.02	0.0	0.0	-18.67	1.99	-37.81	-2.38	1162.39	-566.53
		-566.53	-106.80	-0.03	0.0	32.0	-18.67	1.99	-37.81	-2.38	-106.80	-532.86
365	6	2112.29	845.13	0.02	0.0	0.0	3.11	-18.59	-19.39	3.51	845.13	2112.29
		1565.17	259.49	0.02	0.0	32.0	3.11	-18.59	-19.39	3.51	259.49	1565.17
365	7	-1332.58	730.55	-0.02	0.0	0.0	4.06	-22.84	-18.52	-4.01	730.55	-1999.66
		-1999.66	169.02	-0.02	0.0	32.0	4.06	-22.84	-18.52	-4.01	169.02	-1332.58
365	8	-169.80	369.58	-6.68e-03	0.0	0.0	-5.94	0.63	-12.02	-0.76	369.58	-180.42
		-180.42	-34.03	-9.38e-03	0.0	32.0	-5.94	0.63	-12.02	-0.76	-34.03	-169.80
365	9	-169.80	369.58	-6.68e-03	0.0	0.0	-5.94	0.63	-12.02	-0.76	369.58	-180.42
		-180.42	-34.03	-9.38e-03	0.0	32.0	-5.94	0.63	-12.02	-0.76	-34.03	-169.80
365	10	787.04	287.56	7.48e-03	0.0	0.0	1.03	-6.80	-6.71	1.18	287.56	787.04
		585.26	85.29	5.40e-03	0.0	32.0	1.03	-6.80	-6.71	1.18	85.29	585.26
365	11	-498.46	255.66	-5.05e-03	0.0	0.0	1.30	-8.38	-6.44	-1.35	255.66	-746.48
		-746.48	59.17	-5.40e-03	0.0	32.0	1.30	-8.38	-6.44	-1.35	59.17	-498.46
365	12	-27.08	16.49	1.85e-04	0.0	0.0	-9.02	0.08	-0.62	-0.02	16.49	-29.65
		-29.65	-3.32	-1.72e-05	0.0	32.0	-9.02	0.08	-0.62	-0.02	-3.32	-27.08
365	13	3.024e+04	491.23	0.05	0.0	0.0	3.79	-338.26	32.14	-1.64	-537.38	3.024e+04
		1.942e+04	-537.38	-1.24e-03	0.0	32.0	3.79	-338.26	32.14	-1.64	491.23	1.942e+04
366	1	2044.83	482.66	-0.06	-16.62	0.0	1.02	38.55	-7.28	0.51	482.66	-2945.54
		-2945.54	-426.77	0.06	3.53	165.0	1.02	21.94	-3.75	0.51	-426.77	2044.83
366	2	6645.74	1233.79	-0.16	0.0	0.0	2.10	89.85	-15.25	0.29	1233.79	-8179.28
		-8179.28	-1282.92	0.16	0.0	165.0	2.10	89.85	-15.25	0.29	-1282.92	6645.74
366	3	1.300e+04	2413.55	-0.32	0.0	0.0	4.10	175.76	-29.84	0.57	2413.55	-1.600e+04
		-1.600e+04	-2509.66	0.31	0.0	165.0	4.10	175.76	-29.84	0.57	-2509.66	1.300e+04
366	4	-357.38	782.10	-0.12	0.0	0.0	-13.26	1.84	-8.70	-2.11	782.10	-532.76

		-532.76	-653.40	-0.12	0.0	165.0	-13.26	1.84	-8.70	-2.11	-653.40	-357.38
366	5	-357.38	782.10	-0.12	0.0	0.0	-13.26	1.84	-8.70	-2.11	782.10	-532.76
		-532.76	-653.40	-0.12	0.0	165.0	-13.26	1.84	-8.70	-2.11	-653.40	-357.38
366	6	1565.27	1142.57	0.13	0.0	0.0	2.85	-13.11	-13.32	3.48	1142.57	1565.27
		-934.90	-1059.75	0.18	0.0	165.0	2.85	-13.11	-13.32	3.48	-1059.75	-934.90
366	7	-1332.92	861.93	-0.08	0.0	0.0	3.98	-15.53	-10.50	-3.02	861.93	-1332.92
		-1540.89	-874.02	-0.05	0.0	165.0	3.98	-15.53	-10.50	-3.02	-874.02	-1540.89
366	8	-114.40	248.73	-0.04	0.0	0.0	-4.21	0.59	-2.77	-0.67	248.73	-169.77
		-169.77	-207.80	-0.04	0.0	165.0	-4.21	0.59	-2.77	-0.67	-207.80	-114.40
366	9	-114.40	248.73	-0.04	0.0	0.0	-4.21	0.59	-2.77	-0.67	248.73	-169.77
		-169.77	-207.80	-0.04	0.0	165.0	-4.21	0.59	-2.77	-0.67	-207.80	-114.40
366	10	585.30	381.81	0.04	0.0	0.0	0.96	-4.81	-4.48	1.14	381.81	585.30
		-322.91	-358.77	0.06	0.0	165.0	0.96	-4.81	-4.48	1.14	-358.77	-322.91
366	11	-498.59	302.55	-0.02	0.0	0.0	1.28	-5.72	-3.69	-0.97	302.55	-498.59
		-547.47	-307.94	-0.01	0.0	165.0	1.28	-5.72	-3.69	-0.97	-307.94	-547.47
366	12	-13.92	0.01	3.81e-04	0.0	0.0	-9.01	0.08	-4.17e-03	-7.50e-03	0.01	-27.07
		-27.07	-0.68	7.36e-05	0.0	165.0	-9.01	0.08	-4.17e-03	-7.50e-03	-0.68	-13.92
366	13	1.942e+04	500.16	0.47	0.0	0.0	3.47	-220.98	-5.08	0.29	500.16	1.942e+04
		-1.704e+04	-337.46	0.05	0.0	165.0	3.47	-220.98	-5.08	0.29	-337.46	-1.704e+04
367	1	2354.40	-38.59	-0.01	-16.62	0.0	1.44	7.91	-1.76	6.93e-03	-39.52	2044.34
		1979.00	-111.90	5.69e-03	3.53	165.0	1.44	-8.70	1.77	6.93e-03	-38.59	1979.00
367	2	6643.53	-233.50	-0.03	0.0	0.0	3.23	-1.20	0.04	-6.09e-03	-240.00	6643.53
		6445.31	-240.00	0.01	0.0	165.0	3.23	-1.20	0.04	-6.09e-03	-233.50	6445.31
367	3	1.300e+04	-456.77	-0.06	0.0	0.0	6.32	-2.35	0.08	-0.01	-469.49	1.300e+04
		1.261e+04	-469.49	0.03	0.0	165.0	6.32	-2.35	0.08	-0.01	-456.77	1.261e+04
367	4	268.39	784.01	-0.12	0.0	0.0	-2.57	2.10	-9.50	-2.05	784.01	-357.44
		-357.44	-783.13	-0.13	0.0	165.0	-2.57	2.10	-9.50	-2.05	-783.13	268.39
367	5	268.39	784.01	-0.12	0.0	0.0	-2.57	2.10	-9.50	-2.05	784.01	-357.44
		-357.44	-783.13	-0.13	0.0	165.0	-2.57	2.10	-9.50	-2.05	-783.13	268.39
367	6	-934.87	698.88	0.12	0.0	0.0	3.44	-3.55	-8.35	3.47	698.88	-934.87
		-1211.85	-716.16	0.14	0.0	165.0	3.44	-3.55	-8.35	3.47	-716.16	-1211.85
367	7	-1540.60	-413.58	-0.10	0.0	0.0	4.28	2.71	5.49	-3.05	-546.27	-1540.60
		-1795.25	-546.27	-0.12	0.0	165.0	4.28	2.71	5.49	-3.05	-413.58	-1795.25
367	8	85.84	249.30	-0.04	0.0	0.0	-0.82	0.67	-3.02	-0.65	249.30	-114.42
		-114.42	-249.03	-0.04	0.0	165.0	-0.82	0.67	-3.02	-0.65	-249.03	85.84
367	9	85.84	249.30	-0.04	0.0	0.0	-0.82	0.67	-3.02	-0.65	249.30	-114.42
		-114.42	-249.03	-0.04	0.0	165.0	-0.82	0.67	-3.02	-0.65	-249.03	85.84
367	10	-322.88	245.25	0.04	0.0	0.0	1.14	-1.32	-2.85	1.14	245.25	-322.88
		-429.43	-238.96	0.05	0.0	165.0	1.14	-1.32	-2.85	1.14	-238.96	-429.43
367	11	-547.35	-139.80	-0.03	0.0	0.0	1.40	1.01	1.87	-0.98	-187.94	-547.35
		-648.61	-187.94	-0.04	0.0	165.0	1.40	1.01	1.87	-0.98	-139.80	-648.61
367	12	-1.25	1.11	-1.90e-04	0.0	0.0	-9.01	0.08	-0.01	6.22e-03	1.11	-13.92
		-13.92	-0.90	7.07e-05	0.0	165.0	-9.01	0.08	-0.01	6.22e-03	-0.90	-1.25
367	13	-1.651e+04	358.80	0.10	0.0	0.0	3.92	3.20	-4.45	0.73	358.80	-1.704e+04
		-1.704e+04	-375.16	0.06	0.0	165.0	3.92	3.20	-4.45	0.73	-375.16	-1.651e+04
368	1	1979.53	482.79	0.06	-16.62	0.0	1.01	-22.74	3.76	-0.37	-428.48	1979.53
		-3143.88	-428.48	-0.06	3.53	165.0	1.01	-39.36	7.29	-0.37	482.79	-3143.88
368	2	6447.64	1238.32	0.17	0.0	0.0	2.07	-92.30	15.33	-0.02	-1290.39	6447.64
		-8782.15	-1290.39	-0.16	0.0	165.0	2.07	-92.30	15.33	-0.02	1238.32	-8782.15
368	3	1.261e+04	2422.43	0.32	0.0	0.0	4.05	-180.56	29.98	-0.04	-2524.27	1.261e+04
		-1.718e+04	-2524.27	-0.31	0.0	165.0	4.05	-180.56	29.98	-0.04	2422.43	-1.718e+04
368	4	513.02	653.86	-0.16	0.0	0.0	8.22	2.43	-8.71	-2.18	653.86	268.09
		268.09	-782.91	-0.13	0.0	165.0	8.22	2.43	-8.71	-2.18	-782.91	513.02
368	5	513.02	653.86	-0.16	0.0	0.0	8.22	2.43	-8.71	-2.18	653.86	268.09
		268.09	-782.91	-0.13	0.0	165.0	8.22	2.43	-8.71	-2.18	-782.91	513.02
368	6	-1003.70	1017.00	0.11	0.0	0.0	3.56	10.37	11.83	3.40	-939.99	-1212.16
		-1212.16	-939.99	0.08	0.0	165.0	3.56	10.37	11.83	3.40	1017.00	-1003.70
368	7	998.26	1139.77	-0.13	0.0	0.0	3.68	12.95	13.44	-3.24	-1079.25	-1795.40
		-1795.40	-1079.25	-0.18	0.0	165.0	3.68	12.95	13.44	-3.24	1139.77	998.26
368	8	163.11	207.91	-0.05	0.0	0.0	2.61	0.78	-2.77	-0.69	207.91	85.74
		85.74	-248.95	-0.04	0.0	165.0	2.61	0.78	-2.77	-0.69	-248.95	163.11
368	9	163.11	207.91	-0.05	0.0	0.0	2.61	0.78	-2.77	-0.69	207.91	85.74
		85.74	-248.95	-0.04	0.0	165.0	2.61	0.78	-2.77	-0.69	-248.95	163.11
368	10	-361.51	377.67	0.03	0.0	0.0	1.14	3.75	4.40	1.11	-349.49	-429.55
		-429.55	-349.49	0.02	0.0	165.0	1.14	3.75	4.40	1.11	377.67	-361.51
368	11	359.32	397.69	-0.04	0.0	0.0	1.19	4.70	4.69	-1.06	-377.42	-648.68
		-648.68	-377.42	-0.06	0.0	165.0	1.19	4.70	4.69	-1.06	397.69	359.32
368	12	11.10	0.50	-2.43e-04	0.0	0.0	-9.01	0.07	-5.98e-03	6.29e-03	0.50	-1.26
		-1.26	-0.49	5.66e-05	0.0	165.0	-9.01	0.07	-5.98e-03	6.29e-03	-0.49	11.10
368	13	2.102e+04	262.62	-0.39	0.0	0.0	4.37	227.49	-3.20	0.55	262.62	-1.651e+04
		-1.651e+04	-265.66	0.05	0.0	165.0	4.37	227.49	-3.20	0.55	-265.66	2.102e+04
369	1	-3143.46	706.52	3.56e-03	-3.32	0.0	0.80	-53.88	22.54	-4.70	-48.87	-3143.46
		-4976.39	-48.87	-4.20e-03	0.71	33.0	0.80	-57.20	23.24	-4.70	706.52	-4976.39
369	2	-8780.51	1401.08	9.68e-03	0.0	0.0	1.62	-140.46	40.91	-1.10	51.16	-8780.51
		-1.342e+04	51.16	-8.82e-03	0.0	33.0	1.62	-140.46	40.91	-1.10	1401.08	-1.342e+04
369	3	-1.718e+04	2740.81	0.02	0.0	0.0	3.17	-274.76	80.02	-2.16	100.08	-1.718e+04

		-2.624e+04	100.08	-0.02	0.0	33.0	3.17	-274.76	80.02	-2.16	2740.81	-2.624e+04
369	4	583.88	126.52	0.01	0.0	0.0	13.64	2.47	-36.47	-2.36	126.52	513.05
		513.05	-1140.66	-0.04	0.0	33.0	13.64	2.47	-36.47	-2.36	-1140.66	583.88
369	5	583.88	126.52	0.01	0.0	0.0	13.64	2.47	-36.47	-2.36	126.52	513.05
		513.05	-1140.66	-0.04	0.0	33.0	13.64	2.47	-36.47	-2.36	-1140.66	583.88
369	6	1448.65	745.45	0.02	0.0	0.0	3.73	17.50	16.64	4.31	233.75	-1003.55
		-1003.55	233.75	0.02	0.0	33.0	3.73	17.50	16.64	4.31	745.45	1448.65
369	7	1464.03	836.59	-0.02	0.0	0.0	3.83	20.48	18.45	-3.13	246.41	998.24
		998.24	246.41	-0.02	0.0	33.0	3.83	20.48	18.45	-3.13	836.59	1464.03
369	8	185.64	40.27	3.59e-03	0.0	0.0	4.34	0.79	-11.60	-0.75	40.27	163.13
		163.13	-362.66	-0.01	0.0	33.0	4.34	0.79	-11.60	-0.75	-362.66	185.64
369	9	185.64	40.27	3.59e-03	0.0	0.0	4.34	0.79	-11.60	-0.75	40.27	163.13
		163.13	-362.66	-0.01	0.0	33.0	4.34	0.79	-11.60	-0.75	-362.66	185.64
369	10	525.37	276.39	7.34e-03	0.0	0.0	1.19	6.36	6.10	1.46	85.82	-361.45
		-361.45	85.82	5.12e-03	0.0	33.0	1.19	6.36	6.10	1.46	276.39	525.37
369	11	530.56	294.29	-7.89e-03	0.0	0.0	1.23	7.46	6.51	-1.04	85.31	359.31
		359.31	85.31	-6.65e-03	0.0	33.0	1.23	7.46	6.51	-1.04	294.29	530.56
369	12	13.57	8.95e-03	-1.04e-05	0.0	0.0	-9.01	0.08	-0.01	4.66e-03	8.95e-03	11.10
		11.10	-0.42	2.56e-06	0.0	33.0	-9.01	0.08	-0.01	4.66e-03	-0.42	13.57
369	13	3.240e+04	318.45	-0.02	0.0	0.0	4.64	344.84	-41.66	1.96	318.45	2.102e+04
		2.102e+04	-1056.35	5.39e-03	0.0	33.0	4.64	344.84	-41.66	1.96	-1056.35	3.240e+04
370	1	-3194.08	709.91	-3.34e-03	-3.22	0.0	0.80	57.31	-23.76	4.83	709.91	-4976.40
		-4976.40	-39.50	3.99e-03	0.69	32.0	0.80	54.09	-23.08	4.83	-39.50	-3194.08
370	2	-8904.95	1406.77	-9.14e-03	0.0	0.0	1.63	140.96	-41.66	1.12	1406.77	-1.342e+04
		-1.342e+04	73.56	8.36e-03	0.0	32.0	1.63	140.96	-41.66	1.12	73.56	-8904.95
370	3	-1.742e+04	2751.93	-0.02	0.0	0.0	3.19	275.75	-81.50	2.18	2751.93	-2.624e+04
		-2.624e+04	143.90	0.02	0.0	32.0	3.19	275.75	-81.50	2.18	143.90	-1.742e+04
370	4	-515.11	1143.93	7.95e-03	0.0	0.0	-13.65	2.48	-37.24	-2.36	1143.93	-583.83
		-583.83	-121.94	-0.04	0.0	32.0	-13.65	2.48	-37.24	-2.36	-121.94	-515.11
370	5	-515.11	1143.93	7.95e-03	0.0	0.0	-13.65	2.48	-37.24	-2.36	1143.93	-583.83
		-583.83	-121.94	-0.04	0.0	32.0	-13.65	2.48	-37.24	-2.36	-121.94	-515.11
370	6	1461.46	835.53	0.02	0.0	0.0	3.83	-20.57	-18.43	3.12	835.53	1461.46
		1004.98	263.98	0.02	0.0	32.0	3.83	-20.57	-18.43	3.12	263.98	1004.98
370	7	1451.35	743.77	-0.02	0.0	0.0	3.73	-17.60	-16.66	-4.34	743.77	1451.35
		-1014.92	247.19	-0.02	0.0	32.0	3.73	-17.60	-16.66	-4.34	247.19	-1014.92
370	8	-163.78	363.70	2.53e-03	0.0	0.0	-4.34	0.79	-11.84	-0.75	363.70	-185.62
		-185.62	-38.82	-0.01	0.0	32.0	-4.34	0.79	-11.84	-0.75	-38.82	-163.78
370	9	-163.78	363.70	2.53e-03	0.0	0.0	-4.34	0.79	-11.84	-0.75	363.70	-185.62
		-185.62	-38.82	-0.01	0.0	32.0	-4.34	0.79	-11.84	-0.75	-38.82	-163.78
370	10	529.52	293.89	7.64e-03	0.0	0.0	1.23	-7.49	-6.51	1.04	293.89	529.52
		361.71	91.44	6.39e-03	0.0	32.0	1.23	-7.49	-6.51	1.04	91.44	361.71
370	11	526.46	275.68	-7.13e-03	0.0	0.0	1.19	-6.40	-6.10	-1.47	275.68	526.46
		-365.72	90.90	-5.00e-03	0.0	32.0	1.19	-6.40	-6.10	-1.47	90.90	-365.72
370	12	13.57	-7.47e-04	9.82e-06	0.0	0.0	-9.01	-0.08	0.01	-4.73e-03	-0.42	13.57
		11.17	-0.42	-2.47e-06	0.0	32.0	-9.01	-0.08	0.01	-4.73e-03	-7.47e-04	11.17
370	13	3.240e+04	314.29	0.02	0.0	0.0	4.63	-346.07	43.08	-1.98	-1064.22	3.240e+04
		2.132e+04	-1064.22	-5.41e-03	0.0	32.0	4.63	-346.07	43.08	-1.98	314.29	2.132e+04
371	1	1962.51	485.97	-0.06	-16.62	0.0	1.01	39.56	-7.31	0.37	485.97	-3194.49
		-3194.49	-429.48	0.06	3.53	165.0	1.01	22.95	-3.78	0.37	-429.48	1962.51
371	2	6405.92	1246.26	-0.17	0.0	0.0	2.06	92.80	-15.39	0.02	1246.26	-8906.55
		-8906.55	-1293.00	0.16	0.0	165.0	2.06	92.80	-15.39	0.02	-1293.00	6405.92
371	3	1.253e+04	2437.95	-0.32	0.0	0.0	4.03	181.54	-30.11	0.03	2437.95	-1.742e+04
		-1.742e+04	-2529.38	0.31	0.0	165.0	4.03	181.54	-30.11	0.03	-2529.38	1.253e+04
371	4	-269.07	785.76	-0.16	0.0	0.0	-8.25	2.44	-8.72	-2.18	785.76	-515.07
		-515.07	-653.82	-0.13	0.0	165.0	-8.25	2.44	-8.72	-2.18	-653.82	-269.07
371	5	-269.07	785.76	-0.16	0.0	0.0	-8.25	2.44	-8.72	-2.18	785.76	-515.07
		-515.07	-653.82	-0.13	0.0	165.0	-8.25	2.44	-8.72	-2.18	-653.82	-269.07
371	6	1005.01	1144.19	0.13	0.0	0.0	3.67	-13.02	-13.47	3.24	1144.19	1005.01
		-1791.54	-1079.45	0.18	0.0	165.0	3.67	-13.02	-13.47	3.24	-1079.45	-1791.54
371	7	-1015.07	1017.36	-0.11	0.0	0.0	3.56	-10.50	-11.81	-3.41	1017.36	-1015.07
		-1216.35	-937.09	-0.08	0.0	165.0	3.56	-10.50	-11.81	-3.41	-937.09	-1216.35
371	8	-86.05	249.85	-0.05	0.0	0.0	-2.62	0.78	-2.77	-0.69	249.85	-163.77
		-163.77	-207.90	-0.04	0.0	165.0	-2.62	0.78	-2.77	-0.69	-207.90	-86.05
371	9	-86.05	249.85	-0.05	0.0	0.0	-2.62	0.78	-2.77	-0.69	249.85	-163.77
		-163.77	-207.90	-0.04	0.0	165.0	-2.62	0.78	-2.77	-0.69	-207.90	-86.05
371	10	361.73	399.13	0.04	0.0	0.0	1.19	-4.72	-4.70	1.06	399.13	361.73
		-647.28	-377.38	0.06	0.0	165.0	1.19	-4.72	-4.70	1.06	-377.38	-647.28
371	11	-365.77	377.75	-0.03	0.0	0.0	1.14	-3.79	-4.39	-1.11	377.75	-365.77
		-431.41	-348.32	-0.02	0.0	165.0	1.14	-3.79	-4.39	-1.11	-348.32	-431.41
371	12	11.17	0.49	2.42e-04	0.0	0.0	-9.01	-0.07	5.94e-03	-6.26e-03	-0.49	11.17
		-1.18	-0.49	-5.65e-05	0.0	165.0	-9.01	-0.07	5.94e-03	-6.26e-03	0.49	-1.18
371	13	2.133e+04	258.46	0.39	0.0	0.0	4.38	-228.72	3.15	-0.54	-261.36	2.133e+04
		-1.641e+04	-261.36	-0.05	0.0	165.0	4.38	-228.72	3.15	-0.54	258.46	-1.641e+04
372	1	2354.69	-36.01	-0.01	-16.62	0.0	1.44	8.90	-1.80	-2.49e-03	-36.01	1961.97
		1961.97	-111.90	5.98e-03	3.53	165.0	1.44	-7.71	1.73	-2.49e-03	-42.10	2060.36
372	2	6682.29	-227.04	-0.04	0.0	0.0	3.23	1.69	-0.12	0.02	-227.04	6403.57

		6403.57	-246.45	0.01	0.0	165.0	3.23	1.69	-0.12	0.02	-246.45	6682.29
372	3	1.307e+04	-444.15	-0.07	0.0	0.0	6.32	3.30	-0.23	0.05	-444.15	1.253e+04
		1.253e+04	-482.11	0.03	0.0	165.0	6.32	3.30	-0.23	0.05	-482.11	1.307e+04
372	4	356.87	783.14	-0.12	0.0	0.0	2.55	2.10	-9.50	-2.05	783.14	-269.38
		-269.38	-783.96	-0.13	0.0	165.0	2.55	2.10	-9.50	-2.05	-783.96	356.87
372	5	356.87	783.14	-0.12	0.0	0.0	2.55	2.10	-9.50	-2.05	783.14	-269.38
		-269.38	-783.96	-0.13	0.0	165.0	2.55	2.10	-9.50	-2.05	-783.96	356.87
372	6	-1545.25	-413.71	0.10	0.0	0.0	4.29	-2.68	-5.52	3.05	-413.71	-1791.39
		-1791.39	-549.23	0.12	0.0	165.0	4.29	-2.68	-5.52	3.05	-549.23	-1545.25
372	7	-950.89	699.01	-0.12	0.0	0.0	3.42	3.51	8.34	-3.48	-714.48	-1216.03
		-1216.03	-714.48	-0.14	0.0	165.0	3.42	3.51	8.34	-3.48	699.01	-950.89
372	8	114.24	249.03	-0.04	0.0	0.0	0.81	0.67	-3.02	-0.65	249.03	-86.15
		-86.15	-249.28	-0.04	0.0	165.0	0.81	0.67	-3.02	-0.65	-249.28	114.24
372	9	114.24	249.03	-0.04	0.0	0.0	0.81	0.67	-3.02	-0.65	249.03	-86.15
		-86.15	-249.28	-0.04	0.0	165.0	0.81	0.67	-3.02	-0.65	-249.28	114.24
372	10	-548.95	-139.88	0.03	0.0	0.0	1.40	-1.00	-1.88	0.98	-139.88	-647.21
		-647.21	-189.03	0.04	0.0	165.0	1.40	-1.00	-1.88	0.98	-189.03	-548.95
372	11	-329.28	245.50	-0.04	0.0	0.0	1.13	1.31	2.85	-1.14	-238.56	-431.30
		-431.30	-238.56	-0.05	0.0	165.0	1.13	1.31	2.85	-1.14	245.50	-329.28
372	12	-1.18	1.11	1.91e-04	0.0	0.0	-9.01	-0.08	0.01	-6.26e-03	-0.89	-1.18
		-13.85	-0.89	-7.17e-05	0.0	165.0	-9.01	-0.08	0.01	-6.26e-03	1.11	-13.85
372	13	-1.641e+04	354.22	0.07	0.0	0.0	3.94	-4.40	4.39	-0.78	-370.82	-1.641e+04
		-1.713e+04	-370.82	-0.06	0.0	165.0	3.94	-4.40	4.39	-0.78	354.22	-1.713e+04
373	1	2060.85	479.48	0.06	-16.62	0.0	1.03	-21.73	3.72	-0.51	-425.76	2060.85
		-2895.97	-425.76	-0.06	3.53	165.0	1.03	-38.35	7.25	-0.51	479.48	-2895.97
373	2	6684.48	1225.86	0.16	0.0	0.0	2.11	-89.35	15.19	-0.29	-1280.28	6684.48
		-8057.99	-1280.28	-0.16	0.0	165.0	2.11	-89.35	15.19	-0.29	1225.86	-8057.99
373	3	1.308e+04	2398.04	0.32	0.0	0.0	4.12	-174.78	29.71	-0.57	-2504.50	1.308e+04
		-1.576e+04	-2504.50	-0.31	0.0	165.0	4.12	-174.78	29.71	-0.57	2398.04	-1.576e+04
373	4	531.77	653.31	-0.12	0.0	0.0	13.23	1.84	-8.68	-2.11	653.31	356.81
		356.81	-779.08	-0.12	0.0	165.0	13.23	1.84	-8.68	-2.11	-779.08	531.77
373	5	531.77	653.31	-0.12	0.0	0.0	13.23	1.84	-8.68	-2.11	653.31	356.81
		356.81	-779.08	-0.12	0.0	165.0	13.23	1.84	-8.68	-2.11	-779.08	531.77
373	6	-1315.27	857.03	0.08	0.0	0.0	3.98	15.44	10.46	3.01	-872.69	-1545.54
		-1545.54	-872.69	0.05	0.0	165.0	3.98	15.44	10.46	3.01	857.03	-1315.27
373	7	1551.72	1137.27	-0.13	0.0	0.0	2.83	13.13	13.28	-3.49	-1058.65	-950.94
		-950.94	-1058.65	-0.18	0.0	165.0	2.83	13.13	13.28	-3.49	1137.27	1551.72
373	8	169.46	207.78	-0.04	0.0	0.0	4.21	0.59	-2.76	-0.67	207.78	114.22
		114.22	-247.78	-0.04	0.0	165.0	4.21	0.59	-2.76	-0.67	-247.78	169.46
373	9	169.46	207.78	-0.04	0.0	0.0	4.21	0.59	-2.76	-0.67	207.78	114.22
		114.22	-247.78	-0.04	0.0	165.0	4.21	0.59	-2.76	-0.67	-247.78	169.46
373	10	-491.98	300.85	0.02	0.0	0.0	1.28	5.69	3.68	0.97	-307.50	-549.07
		-549.07	-307.50	0.01	0.0	165.0	1.28	5.69	3.68	0.97	300.85	-491.98
373	11	580.31	380.08	-0.04	0.0	0.0	0.95	4.82	4.47	-1.15	-358.46	-329.31
		-329.31	-358.46	-0.06	0.0	165.0	0.95	4.82	4.47	-1.15	380.08	580.31
373	12	-13.85	-2.77e-03	-3.76e-04	0.0	0.0	-9.01	-0.08	4.03e-03	7.36e-03	-0.67	-13.85
		-26.99	-0.67	-7.18e-05	0.0	165.0	-9.01	-0.08	4.03e-03	7.36e-03	-2.77e-03	-26.99
373	13	1.912e+04	495.24	-0.47	0.0	0.0	3.50	219.75	5.03	-0.30	-334.49	-1.714e+04
		-1.714e+04	-334.49	-0.05	0.0	165.0	3.50	219.75	5.03	-0.30	495.24	1.912e+04
374	1	-2895.46	701.34	4.28e-03	-3.32	0.0	0.82	-52.86	22.37	-4.95	-48.65	-2895.46
		-4694.83	-48.65	-4.18e-03	0.71	33.0	0.82	-56.19	23.08	-4.95	701.34	-4694.83
374	2	-8056.10	1384.39	0.01	0.0	0.0	1.68	-137.46	40.41	-1.62	51.01	-8056.10
		-1.259e+04	51.01	-8.74e-03	0.0	33.0	1.68	-137.46	40.41	-1.62	1384.39	-1.259e+04
374	3	-1.576e+04	2708.15	0.02	0.0	0.0	3.29	-268.90	79.04	-3.16	99.79	-1.576e+04
		-2.463e+04	99.79	-0.02	0.0	33.0	3.29	-268.90	79.04	-3.16	2708.15	-2.463e+04
374	4	566.56	113.00	-0.02	0.0	0.0	18.66	1.99	-37.04	-2.37	113.00	531.86
		531.86	-1159.19	-0.03	0.0	33.0	18.66	1.99	-37.04	-2.37	-1159.19	566.56
374	5	566.56	113.00	-0.02	0.0	0.0	18.66	1.99	-37.04	-2.37	113.00	531.86
		531.86	-1159.19	-0.03	0.0	33.0	18.66	1.99	-37.04	-2.37	-1159.19	566.56
374	6	-1314.93	730.64	0.02	0.0	0.0	4.05	22.78	18.41	3.96	155.62	-1314.93
		-2000.21	155.62	0.02	0.0	33.0	4.05	22.78	18.41	3.96	730.64	-2000.21
374	7	2116.30	845.54	-0.02	0.0	0.0	3.09	18.62	19.37	-3.49	242.79	1551.60
		1551.60	242.79	-0.02	0.0	33.0	3.09	18.62	19.37	-3.49	845.54	2116.30
374	8	180.43	35.99	-6.88e-03	0.0	0.0	5.93	0.63	-11.78	-0.76	35.99	169.49
		169.49	-368.56	-9.64e-03	0.0	33.0	5.93	0.63	-11.78	-0.76	-368.56	180.43
374	9	180.43	35.99	-6.88e-03	0.0	0.0	5.93	0.63	-11.78	-0.76	35.99	169.49
		169.49	-368.56	-9.64e-03	0.0	33.0	5.93	0.63	-11.78	-0.76	-368.56	180.43
374	10	-491.85	255.80	5.18e-03	0.0	0.0	1.30	8.36	6.41	1.33	54.38	-491.85
		-746.70	54.38	5.52e-03	0.0	33.0	1.30	8.36	6.41	1.33	255.80	-746.70
374	11	788.60	287.83	-7.72e-03	0.0	0.0	1.02	6.82	6.70	-1.17	79.73	580.26
		580.26	79.73	-5.61e-03	0.0	33.0	1.02	6.82	6.70	-1.17	287.83	788.60
374	12	-27.00	16.15	-1.90e-04	0.0	0.0	-9.02	-0.08	0.59	0.02	-3.35	-27.00
		-29.65	-3.35	-1.30e-05	0.0	33.0	-9.02	-0.08	0.59	0.02	16.15	-29.65
374	13	3.024e+04	486.06	-0.05	0.0	0.0	3.83	337.02	-30.83	1.64	486.06	1.912e+04
		1.912e+04	-531.28	1.05e-03	0.0	33.0	3.83	337.02	-30.83	1.64	-531.28	3.024e+04
375	1	-2971.15	684.92	-2.23e-03	-3.22	0.0	0.88	55.29	-23.19	4.37	684.92	-4688.88

		-4688.88	-46.32	3.81e-03	0.69	32.0	0.88	52.07	-22.51	4.37	-46.32	-2971.15
375	2	-8254.15	1336.92	-5.56e-03	0.0	0.0	1.77	135.04	-40.04	-0.01	1336.92	-1.258e+04
		-1.258e+04	55.52	7.88e-03	0.0	32.0	1.77	135.04	-40.04	-0.01	55.52	-8254.15
375	3	-1.615e+04	2615.29	-0.01	0.0	0.0	3.45	264.17	-78.33	-0.03	2615.29	-2.460e+04
		-2.460e+04	108.60	0.02	0.0	32.0	3.45	264.17	-78.33	-0.03	108.60	-1.615e+04
375	4	-626.57	1072.41	-0.02	0.0	0.0	-8.74	3.33	-35.83	-2.15	1072.41	-689.83
		-689.83	-114.18	-0.03	0.0	32.0	-8.74	3.33	-35.83	-2.15	-114.18	-626.57
375	5	-626.57	1072.41	-0.02	0.0	0.0	-8.74	3.33	-35.83	-2.15	1072.41	-689.83
		-689.83	-114.18	-0.03	0.0	32.0	-8.74	3.33	-35.83	-2.15	-114.18	-626.57
375	6	1992.51	882.64	0.02	0.0	0.0	4.46	-21.49	-20.79	3.20	882.64	1992.51
		-1380.29	239.14	0.02	0.0	32.0	4.46	-21.49	-20.79	3.20	239.14	-1380.29
375	7	2103.19	637.65	-0.02	0.0	0.0	3.17	-17.80	-15.58	-4.09	637.65	2103.19
		-1604.57	-185.53	-0.01	0.0	32.0	3.17	-17.80	-15.58	-4.09	-185.53	-1604.57
375	8	-199.49	341.01	-6.72e-03	0.0	0.0	-2.78	1.06	-11.39	-0.68	341.01	-219.57
		-219.57	-36.56	-9.64e-03	0.0	32.0	-2.78	1.06	-11.39	-0.68	-36.56	-199.49
375	9	-199.49	341.01	-6.72e-03	0.0	0.0	-2.78	1.06	-11.39	-0.68	341.01	-219.57
		-219.57	-36.56	-9.64e-03	0.0	32.0	-2.78	1.06	-11.39	-0.68	-36.56	-199.49
375	10	743.54	319.56	5.53e-03	0.0	0.0	1.47	-7.79	-7.58	1.10	319.56	743.54
		-517.92	83.83	6.92e-03	0.0	32.0	1.47	-7.79	-7.58	1.10	83.83	-517.92
375	11	784.36	232.18	-6.91e-03	0.0	0.0	1.06	-6.53	-5.69	-1.36	232.18	784.36
		-600.13	-64.43	-4.06e-03	0.0	32.0	1.06	-6.53	-5.69	-1.36	-64.43	-600.13
375	12	39.37	3.41	-1.78e-04	0.0	0.0	-7.50	-0.14	0.63	0.02	-16.71	39.37
		34.94	-16.71	1.68e-05	0.0	32.0	-7.50	-0.14	0.63	0.02	3.41	34.94
375	13	3.016e+04	138.14	-7.33e-03	0.0	0.0	5.13	-332.15	50.76	-0.84	-1486.23	3.016e+04
		1.953e+04	-1486.23	-8.96e-03	0.0	32.0	5.13	-332.15	50.76	-0.84	138.14	1.953e+04
376	1	1848.11	453.48	-0.05	-16.62	0.0	1.09	37.52	-6.96	-0.14	453.48	-2971.37
		-2971.37	-403.96	0.06	3.53	165.0	1.09	20.90	-3.43	-0.14	-403.96	1848.11
376	2	6070.96	1157.29	-0.14	0.0	0.0	2.20	86.83	-14.43	-1.17	1157.29	-8255.24
		-8255.24	-1223.01	0.15	0.0	165.0	2.20	86.83	-14.43	-1.17	-1223.01	6070.96
376	3	1.188e+04	2263.91	-0.27	0.0	0.0	4.30	169.85	-28.22	-2.29	2263.91	-1.615e+04
		-1.615e+04	-2392.46	0.29	0.0	165.0	4.30	169.85	-28.22	-2.29	-2392.46	1.188e+04
376	4	-465.82	663.41	-0.11	0.0	0.0	-3.46	2.74	-7.38	-2.03	663.41	-626.48
		-626.48	-554.35	-0.13	0.0	165.0	-3.46	2.74	-7.38	-2.03	-554.35	-465.82
376	5	-465.82	663.41	-0.11	0.0	0.0	-3.46	2.74	-7.38	-2.03	663.41	-626.48
		-626.48	-554.35	-0.13	0.0	165.0	-3.46	2.74	-7.38	-2.03	-554.35	-465.82
376	6	-1380.39	1135.31	0.09	0.0	0.0	4.41	-14.19	-13.68	2.88	1135.31	-1380.39
		-1401.70	-1126.49	0.15	0.0	165.0	4.41	-14.19	-13.68	2.88	-1126.49	-1401.70
376	7	-1029.57	822.30	-0.10	0.0	0.0	3.08	-12.29	-9.63	-3.30	822.30	-1604.75
		-1604.75	-776.56	-0.08	0.0	165.0	3.08	-12.29	-9.63	-3.30	-776.56	-1029.57
376	8	-148.36	211.31	-0.04	0.0	0.0	-1.10	0.87	-2.35	-0.65	211.31	-199.46
		-199.46	-176.50	-0.04	0.0	165.0	-1.10	0.87	-2.35	-0.65	-176.50	-148.36
376	9	-148.36	211.31	-0.04	0.0	0.0	-1.10	0.87	-2.35	-0.65	211.31	-199.46
		-199.46	-176.50	-0.04	0.0	165.0	-1.10	0.87	-2.35	-0.65	-176.50	-148.36
376	10	-478.86	406.12	0.03	0.0	0.0	1.47	-5.13	-4.91	0.94	406.12	-517.96
		-517.96	-405.31	0.05	0.0	165.0	1.47	-5.13	-4.91	0.94	-405.31	-478.86
376	11	-366.96	294.71	-0.03	0.0	0.0	1.05	-4.52	-3.49	-1.06	294.71	-600.20
		-600.20	-283.91	-0.03	0.0	165.0	1.05	-4.52	-3.49	-1.06	-283.91	-366.96
376	12	34.93	1.09	-2.46e-04	0.0	0.0	-7.51	-0.14	8.43e-03	2.48e-03	-0.30	34.93
		12.30	-0.30	-9.30e-05	0.0	165.0	-7.51	-0.14	8.43e-03	2.48e-03	1.09	12.30
376	13	1.953e+04	786.56	0.22	0.0	0.0	4.97	-214.62	10.46	0.63	-939.41	1.953e+04
		-1.588e+04	-939.41	-0.15	0.0	165.0	4.97	-214.62	10.46	0.63	786.56	-1.588e+04
377	1	2068.33	-10.48	-9.45e-03	-16.62	0.0	1.48	6.68	-1.42	-0.32	-67.51	1847.85
		1578.97	-114.42	-5.06e-03	3.53	165.0	1.48	-9.94	2.11	-0.32	-10.48	1578.97
377	2	6069.37	-159.79	-0.03	0.0	0.0	3.26	-4.83	0.93	-0.65	-313.43	6069.37
		5271.95	-313.43	-0.01	0.0	165.0	3.26	-4.83	0.93	-0.65	-159.79	5271.95
377	3	1.187e+04	-312.59	-0.05	0.0	0.0	6.37	-9.45	1.82	-1.27	-613.14	1.187e+04
		1.031e+04	-613.14	-0.03	0.0	165.0	6.37	-9.45	1.82	-1.27	-312.59	1.031e+04
377	4	-406.74	714.83	-0.11	0.0	0.0	7.46	1.81	-8.55	-1.83	714.83	-465.95
		-465.95	-696.37	-0.11	0.0	165.0	7.46	1.81	-8.55	-1.83	-696.37	-406.74
377	5	-406.74	714.83	-0.11	0.0	0.0	7.46	1.81	-8.55	-1.83	714.83	-465.95
		-465.95	-696.37	-0.11	0.0	165.0	7.46	1.81	-8.55	-1.83	-696.37	-406.74
377	6	-1401.56	592.02	0.06	0.0	0.0	4.86	-2.26	7.60	2.64	-731.56	-1401.56
		-1546.78	-731.56	0.06	0.0	165.0	4.86	-2.26	7.60	2.64	592.02	-1546.78
377	7	-1029.41	697.29	-0.11	0.0	0.0	3.09	3.56	9.21	-3.13	-846.86	-1029.41
		-1175.33	-846.86	-0.14	0.0	165.0	3.09	3.56	9.21	-3.13	697.29	-1175.33
377	8	-129.45	227.69	-0.03	0.0	0.0	2.37	0.58	-2.72	-0.58	227.69	-148.40
		-148.40	-221.82	-0.03	0.0	165.0	2.37	0.58	-2.72	-0.58	-221.82	-129.45
377	9	-129.45	227.69	-0.03	0.0	0.0	2.37	0.58	-2.72	-0.58	227.69	-148.40
		-148.40	-221.82	-0.03	0.0	165.0	2.37	0.58	-2.72	-0.58	-221.82	-129.45
377	10	-478.80	194.82	0.02	0.0	0.0	1.65	-0.82	2.48	0.86	-241.87	-478.80
		-532.78	-241.87	0.02	0.0	165.0	1.65	-0.82	2.48	0.86	194.82	-532.78
377	11	-366.90	230.98	-0.03	0.0	0.0	1.10	1.34	3.06	-1.00	-283.58	-366.90
		-423.92	-283.58	-0.05	0.0	165.0	1.10	1.34	3.06	-1.00	230.98	-423.92
377	12	12.31	2.36	2.90e-04	0.0	0.0	-7.51	-0.13	0.03	-0.01	-2.16	12.31
		-9.59	-2.16	-1.01e-04	0.0	165.0	-7.51	-0.13	0.03	-0.01	2.36	-9.59
377	13	-1.406e+04	996.77	-0.17	0.0	0.0	3.76	11.01	12.19	-1.10	-1014.11	-1.588e+04

		-1.588e+04	-1014.11	-0.18	0.0	165.0	3.76	11.01	12.19	-1.10	996.77	-1.406e+04
378	1	1579.56	510.21	0.04	-16.62	0.0	1.03	-24.27	4.06	-0.09	-450.58	1579.56
		-3796.72	-450.58	-0.06	3.53	165.0	1.03	-40.89	7.59	-0.09	510.21	-3796.72
378	2	5274.35	1310.80	0.12	0.0	0.0	2.02	-96.82	16.12	0.89	-1348.65	5274.35
		-1.070e+04	-1348.65	-0.17	0.0	165.0	2.02	-96.82	16.12	0.89	1310.80	-1.070e+04
378	3	1.032e+04	2564.20	0.23	0.0	0.0	3.96	-189.39	31.53	1.74	-2638.24	1.032e+04
		-2.093e+04	-2638.24	-0.33	0.0	165.0	3.96	-189.39	31.53	1.74	2564.20	-2.093e+04
378	4	291.19	655.48	-0.10	0.0	0.0	18.12	1.99	-8.57	-1.79	655.48	-406.70
		-406.70	-758.58	-0.10	0.0	165.0	18.12	1.99	-8.57	-1.79	-758.58	291.19
378	5	291.19	655.48	-0.10	0.0	0.0	18.12	1.99	-8.57	-1.79	655.48	-406.70
		-406.70	-758.58	-0.10	0.0	165.0	18.12	1.99	-8.57	-1.79	-758.58	291.19
378	6	-1054.43	1519.76	0.02	0.0	0.0	3.89	12.36	17.98	-2.57	-1448.61	-1546.82
		-1546.82	-1448.61	-0.03	0.0	165.0	3.89	12.36	17.98	-2.57	1519.76	-1054.43
378	7	845.56	1354.54	-0.12	0.0	0.0	2.77	9.21	15.61	-3.20	-1222.85	-1175.37
		-1175.37	-1222.85	-0.16	0.0	165.0	2.77	9.21	15.61	-3.20	1354.54	845.56
378	8	92.79	208.70	-0.03	0.0	0.0	5.76	0.64	-2.73	-0.57	208.70	-129.43
		-129.43	-241.61	-0.03	0.0	165.0	5.76	0.64	-2.73	-0.57	-241.61	92.79
378	9	92.79	208.70	-0.03	0.0	0.0	5.76	0.64	-2.73	-0.57	208.70	-129.43
		-129.43	-241.61	-0.03	0.0	165.0	5.76	0.64	-2.73	-0.57	-241.61	92.79
378	10	-393.05	526.96	6.46e-03	0.0	0.0	1.29	4.44	6.25	-0.87	-505.52	-532.80
		-532.80	-505.52	-9.08e-03	0.0	165.0	1.29	4.44	6.25	-0.87	526.96	-393.05
378	11	307.15	468.89	-0.04	0.0	0.0	0.95	3.33	5.43	-1.04	-427.18	-423.94
		-423.94	-427.18	-0.05	0.0	165.0	0.95	3.33	5.43	-1.04	468.89	307.15
378	12	-9.58	-0.22	-9.30e-05	0.0	0.0	-7.51	-0.13	5.99e-03	-3.24e-03	-1.21	-9.58
		-30.40	-1.21	-1.03e-04	0.0	165.0	-7.51	-0.13	5.99e-03	-3.24e-03	-0.22	-30.40
378	13	2.511e+04	1180.78	-0.49	0.0	0.0	2.53	237.43	12.42	-5.39	-868.36	-1.407e+04
		-1.407e+04	-868.36	-0.15	0.0	165.0	2.53	237.43	12.42	-5.39	1180.78	2.511e+04
379	1	-3796.63	739.71	-2.75e-03	-3.32	0.0	0.82	-55.63	23.49	-4.28	-47.26	-3796.63
		-5687.14	-47.26	-4.39e-03	0.71	33.0	0.82	-58.95	24.20	-4.28	739.71	-5687.14
379	2	-1.070e+04	1485.34	-8.22e-03	0.0	0.0	1.59	-145.46	43.29	0.22	56.62	-1.070e+04
		-1.550e+04	56.62	-9.31e-03	0.0	33.0	1.59	-145.46	43.29	0.22	1485.34	-1.550e+04
379	3	-2.093e+04	2905.63	-0.02	0.0	0.0	3.10	-284.55	84.69	0.43	110.77	-2.093e+04
		-3.032e+04	110.77	-0.02	0.0	33.0	3.10	-284.55	84.69	0.43	2905.63	-3.032e+04
379	4	291.15	97.58	-0.02	0.0	0.0	23.57	2.66	-37.41	-2.05	97.58	291.15
		289.50	-1166.13	-0.03	0.0	33.0	23.57	2.66	-37.41	-2.05	-1166.13	289.50
379	5	291.15	97.58	-0.02	0.0	0.0	23.57	2.66	-37.41	-2.05	97.58	291.15
		289.50	-1166.13	-0.03	0.0	33.0	23.57	2.66	-37.41	-2.05	-1166.13	289.50
379	6	-1054.52	1203.83	4.36e-03	0.0	0.0	3.95	19.68	28.38	-2.46	287.51	-1054.52
		-1554.31	287.51	0.02	0.0	33.0	3.95	19.68	28.38	-2.46	1203.83	-1554.31
379	7	1188.51	986.14	-0.02	0.0	0.0	3.17	14.68	21.69	-2.83	291.17	845.68
		845.68	291.17	-0.01	0.0	33.0	3.17	14.68	21.69	-2.83	986.14	1188.51
379	8	92.78	31.33	-6.01e-03	0.0	0.0	7.49	0.85	-11.89	-0.65	31.33	92.78
		92.29	-370.83	-9.79e-03	0.0	33.0	7.49	0.85	-11.89	-0.65	-370.83	92.29
379	9	92.78	31.33	-6.01e-03	0.0	0.0	7.49	0.85	-11.89	-0.65	31.33	92.78
		92.29	-370.83	-9.79e-03	0.0	33.0	7.49	0.85	-11.89	-0.65	-370.83	92.29
379	10	-393.08	416.24	1.34e-03	0.0	0.0	1.30	7.09	9.78	-0.82	99.93	-393.08
		-578.89	99.93	5.18e-03	0.0	33.0	1.30	7.09	9.78	-0.82	416.24	-578.89
379	11	431.60	344.41	-6.95e-03	0.0	0.0	1.06	5.33	7.62	-0.91	99.56	307.19
		307.19	99.56	-3.95e-03	0.0	33.0	1.06	5.33	7.62	-0.91	344.41	431.60
379	12	-30.41	30.98	-1.40e-04	0.0	0.0	-7.52	-0.12	1.13	0.02	-6.44	-30.41
		-34.48	-6.44	-2.43e-05	0.0	33.0	-7.52	-0.12	1.13	0.02	30.98	-34.48
379	13	3.686e+04	669.90	-0.03	0.0	0.0	2.94	356.03	-25.63	-5.31	669.90	2.511e+04
		2.511e+04	-176.04	-2.69e-03	0.0	33.0	2.94	356.03	-25.63	-5.31	-176.04	3.686e+04
380	1	-3651.06	807.93	-0.01	-3.22	0.0	1.47	66.13	-26.04	6.22	807.93	-5715.70
		-5715.70	-14.54	4.65e-03	0.69	32.0	1.47	62.91	-25.36	6.22	-14.54	-3651.06
380	2	-1.034e+04	1645.08	-0.03	0.0	0.0	3.17	163.88	-47.14	4.70	1645.08	-1.558e+04
		-1.558e+04	136.76	9.98e-03	0.0	32.0	3.17	163.88	-47.14	4.70	136.76	-1.034e+04
380	3	-2.022e+04	3218.13	-0.06	0.0	0.0	6.21	320.59	-92.21	9.19	3218.13	-3.048e+04
		-3.048e+04	267.53	0.02	0.0	32.0	6.21	320.59	-92.21	9.19	267.53	-2.022e+04
380	4	-752.22	1008.86	-0.02	0.0	0.0	-3.76	5.95	-34.58	-1.60	1008.86	-909.12
		-909.12	-118.13	-0.03	0.0	32.0	-3.76	5.95	-34.58	-1.60	-118.13	-752.22
380	5	-752.22	1008.86	-0.02	0.0	0.0	-3.76	5.95	-34.58	-1.60	1008.86	-909.12
		-909.12	-118.13	-0.03	0.0	32.0	-3.76	5.95	-34.58	-1.60	-118.13	-752.22
380	6	-1017.41	541.11	5.11e-03	0.0	0.0	3.47	-22.13	-12.54	-3.59	541.11	-1552.93
		-1552.93	182.81	0.02	0.0	32.0	3.47	-22.13	-12.54	-3.59	182.81	-1017.41
380	7	1184.43	438.18	-0.02	0.0	0.0	2.07	-15.89	-9.92	-4.18	438.18	1184.43
		-836.78	-169.77	-8.62e-03	0.0	32.0	2.07	-15.89	-9.92	-4.18	-169.77	-836.78
380	8	-239.28	320.83	-5.93e-03	0.0	0.0	-1.20	1.89	-10.99	-0.51	320.83	-289.12
		-289.12	-37.77	-9.92e-03	0.0	32.0	-1.20	1.89	-10.99	-0.51	-37.77	-239.28
380	9	-239.28	320.83	-5.93e-03	0.0	0.0	-1.20	1.89	-10.99	-0.51	320.83	-289.12
		-289.12	-37.77	-9.92e-03	0.0	32.0	-1.20	1.89	-10.99	-0.51	-37.77	-239.28
380	10	-378.66	191.20	1.63e-03	0.0	0.0	1.16	-8.00	-4.48	-1.29	191.20	-579.46
		-579.46	62.55	6.59e-03	0.0	32.0	1.16	-8.00	-4.48	-1.29	62.55	-378.66
380	11	431.10	152.93	-6.26e-03	0.0	0.0	0.72	-5.79	-3.46	-1.42	152.93	431.10
		-304.10	-58.47	-2.74e-03	0.0	32.0	0.72	-5.79	-3.46	-1.42	-58.47	-304.10
380	12	104.76	5.75	-8.61e-05	0.0	0.0	-4.53	-0.53	1.27	-2.82e-03	-35.04	104.76

		87.76	-35.04	2.92e-05	0.0	32.0	-4.53	-0.53	1.27	-2.82e-03	5.75	87.76
380	13	3.696e+04	-392.37	0.03	0.0	0.0	0.97	-400.05	85.66	-14.65	-3133.48	3.696e+04
		2.416e+04	-3133.48	-0.02	0.0	32.0	0.97	-400.05	85.66	-14.65	-392.37	2.416e+04
381	1	2946.40	610.68	-0.10	-16.62	0.0	1.72	48.30	-8.66	1.86	610.68	-3652.04
		-3652.04	-527.59	0.08	3.53	165.0	1.72	31.68	-5.13	1.86	-527.59	2946.40
381	2	8752.94	1554.04	-0.28	0.0	0.0	3.72	115.73	-18.72	3.62	1554.04	-1.034e+04
		-1.034e+04	-1534.86	0.20	0.0	165.0	3.72	115.73	-18.72	3.62	-1534.86	8752.94
381	3	1.712e+04	3040.02	-0.55	0.0	0.0	7.28	226.38	-36.62	7.09	3040.02	-2.023e+04
		-2.023e+04	-3002.52	0.39	0.0	165.0	7.28	226.38	-36.62	7.09	-3002.52	1.712e+04
381	4	-440.39	557.77	-0.10	0.0	0.0	1.93	5.10	-6.16	-1.45	557.77	-752.29
		-752.29	-460.34	-0.12	0.0	165.0	1.93	5.10	-6.16	-1.45	-460.34	-440.39
381	5	-440.39	557.77	-0.10	0.0	0.0	1.93	5.10	-6.16	-1.45	557.77	-752.29
		-752.29	-460.34	-0.12	0.0	165.0	1.93	5.10	-6.16	-1.45	-460.34	-440.39
381	6	-1017.85	741.67	0.02	0.0	0.0	3.38	-14.78	-8.37	-2.27	741.67	-1017.85
		-1957.25	-661.43	0.08	0.0	165.0	3.38	-14.78	-8.37	-2.27	-661.43	-1957.25
381	7	-837.02	-505.52	-0.09	0.0	0.0	1.99	-10.36	-6.88	-3.30	-636.90	-837.02
		-1387.31	-636.90	-0.08	0.0	165.0	1.99	-10.36	-6.88	-3.30	-505.52	-1387.31
381	8	-140.45	177.81	-0.03	0.0	0.0	0.61	1.62	-1.97	-0.46	177.81	-239.31
		-239.31	-146.73	-0.04	0.0	165.0	0.61	1.62	-1.97	-0.46	-146.73	-140.45
381	9	-140.45	177.81	-0.03	0.0	0.0	0.61	1.62	-1.97	-0.46	177.81	-239.31
		-239.31	-146.73	-0.04	0.0	165.0	0.61	1.62	-1.97	-0.46	-146.73	-140.45
381	10	-378.83	257.51	7.24e-03	0.0	0.0	1.14	-5.34	-2.94	-0.77	257.51	-378.83
		-681.25	-234.26	0.02	0.0	165.0	1.14	-5.34	-2.94	-0.77	-234.26	-681.25
381	11	-304.18	-178.44	-0.03	0.0	0.0	0.69	-3.77	-2.40	-1.08	-220.38	-304.18
		-502.76	-220.38	-0.03	0.0	165.0	0.69	-3.77	-2.40	-1.08	-178.44	-502.76
381	12	87.76	4.53	1.12e-03	0.0	0.0	-4.55	-0.53	0.05	-0.04	-3.84	87.76
		-0.09	-3.84	-6.53e-04	0.0	165.0	-4.55	-0.53	0.05	-0.04	4.53	-0.09
381	13	2.416e+04	2600.61	0.43	0.0	0.0	0.47	-282.58	35.50	-13.50	-3256.25	2.416e+04
		-2.246e+04	-3256.25	-0.47	0.0	165.0	0.47	-282.58	35.50	-13.50	2600.61	-2.246e+04
382	1	4561.14	85.03	-0.02	-16.62	0.0	2.35	18.10	-3.27	1.92	85.03	2944.92
		2944.92	-165.11	0.02	3.53	165.0	2.35	1.49	0.26	1.92	-163.57	4561.14
382	2	1.314e+04	71.27	-0.07	0.0	0.0	5.36	26.60	-3.74	3.52	71.27	8747.90
		8747.90	-545.79	0.05	0.0	165.0	5.36	26.60	-3.74	3.52	-545.79	1.314e+04
382	3	2.570e+04	139.42	-0.14	0.0	0.0	10.48	52.03	-7.32	6.89	139.42	1.711e+04
		1.711e+04	-1067.68	0.11	0.0	165.0	10.48	52.03	-7.32	6.89	-1067.68	2.570e+04
382	4	784.55	701.64	-0.09	0.0	0.0	12.28	3.74	-8.20	-1.26	701.64	-440.29
		-440.29	-652.00	-0.08	0.0	165.0	12.28	3.74	-8.20	-1.26	-652.00	784.55
382	5	784.55	701.64	-0.09	0.0	0.0	12.28	3.74	-8.20	-1.26	701.64	-440.29
		-440.29	-652.00	-0.08	0.0	165.0	12.28	3.74	-8.20	-1.26	-652.00	784.55
382	6	-1956.49	976.97	-0.03	0.0	0.0	3.14	2.52	13.43	-2.79	-1251.27	-1956.49
		-2161.75	-1251.27	-0.05	0.0	165.0	3.14	2.52	13.43	-2.79	976.97	-2161.75
382	7	-1386.70	747.91	-0.11	0.0	0.0	1.98	2.23	9.65	-3.62	-850.72	-1386.70
		-1447.79	-850.72	-0.13	0.0	165.0	1.98	2.23	9.65	-3.62	747.91	-1447.79
382	8	249.61	223.29	-0.03	0.0	0.0	3.90	1.19	-2.61	-0.40	223.29	-140.42
		-140.42	-207.58	-0.03	0.0	165.0	3.90	1.19	-2.61	-0.40	-207.58	249.61
382	9	249.61	223.29	-0.03	0.0	0.0	3.90	1.19	-2.61	-0.40	223.29	-140.42
		-140.42	-207.58	-0.03	0.0	165.0	3.90	1.19	-2.61	-0.40	-207.58	249.61
382	10	-680.97	322.03	-9.42e-03	0.0	0.0	1.06	0.93	4.42	-0.98	-412.01	-680.97
		-759.69	-412.01	-0.01	0.0	165.0	1.06	0.93	4.42	-0.98	322.03	-759.69
382	11	-502.54	251.20	-0.03	0.0	0.0	0.67	0.82	3.23	-1.22	-284.65	-502.54
		-522.10	-284.65	-0.04	0.0	165.0	0.67	0.82	3.23	-1.22	251.20	-522.10
382	12	-0.04	7.17	1.10e-03	0.0	0.0	-4.55	-0.55	0.09	-0.05	-6.95	-0.04
		-90.68	-6.95	-7.69e-04	0.0	165.0	-4.55	-0.55	0.09	-0.05	7.17	-90.68
382	13	-2.245e+04	3225.85	-0.24	0.0	0.0	-3.86	-62.83	39.18	-13.42	-3239.62	-2.245e+04
		-3.282e+04	-3239.62	-0.57	0.0	165.0	-3.86	-62.83	39.18	-13.42	3225.85	-3.282e+04
383	1	4560.81	362.17	0.16	-16.62	0.0	2.12	-11.45	2.43	1.39	-330.48	4560.81
		1300.39	-330.48	-0.04	3.53	165.0	2.12	-28.07	5.96	1.39	362.17	1300.39
383	2	1.314e+04	934.96	0.41	0.0	0.0	4.70	-60.64	12.00	1.06	-1045.06	1.314e+04
		3130.82	-1045.06	-0.11	0.0	165.0	4.70	-60.64	12.00	1.06	934.96	3130.82
383	3	2.570e+04	1828.98	0.81	0.0	0.0	9.19	-118.63	23.47	2.07	-2044.37	2.570e+04
		6124.54	-2044.37	-0.22	0.0	165.0	9.19	-118.63	23.47	2.07	1828.98	6124.54
383	4	1085.72	724.03	-0.07	0.0	0.0	22.98	3.36	-9.37	-1.61	724.03	784.23
		784.23	-821.74	-0.07	0.0	165.0	22.98	3.36	-9.37	-1.61	-821.74	1085.72
383	5	1085.72	724.03	-0.07	0.0	0.0	22.98	3.36	-9.37	-1.61	724.03	784.23
		784.23	-821.74	-0.07	0.0	165.0	22.98	3.36	-9.37	-1.61	-821.74	1085.72
383	6	-456.32	1944.96	-0.08	0.0	0.0	2.86	10.47	22.26	-3.61	-1729.22	-2161.33
		-2161.33	-1729.22	-0.11	0.0	165.0	2.86	10.47	22.26	-3.61	1944.96	-456.32
383	7	310.32	1115.95	-0.12	0.0	0.0	2.92	7.11	12.52	-4.07	-951.83	-1447.50
		-1447.50	-951.83	-0.13	0.0	165.0	2.92	7.11	12.52	-4.07	1115.95	310.32
383	8	345.20	230.26	-0.02	0.0	0.0	7.31	1.07	-2.98	-0.51	230.26	249.51
		249.51	-261.38	-0.02	0.0	165.0	7.31	1.07	-2.98	-0.51	-261.38	345.20
383	9	345.20	230.26	-0.02	0.0	0.0	7.31	1.07	-2.98	-0.51	230.26	249.51
		249.51	-261.38	-0.02	0.0	165.0	7.31	1.07	-2.98	-0.51	-261.38	345.20
383	10	-159.94	639.90	-0.03	0.0	0.0	0.93	3.68	7.33	-1.30	-569.46	-759.56
		-759.56	-569.46	-0.04	0.0	165.0	0.93	3.68	7.33	-1.30	639.90	-159.94
383	11	109.14	371.24	-0.04	0.0	0.0	0.94	2.57	4.17	-1.40	-317.07	-522.00

		-522.00	-317.07	-0.04	0.0	165.0	0.94	2.57	4.17	-1.40	371.24	109.14
383	12	-90.66	2.70	-2.62e-03	0.0	0.0	-4.55	-0.57	0.04	0.03	-4.35	-90.66
		-184.77	-4.35	-6.62e-04	0.0	165.0	-4.55	-0.57	0.04	0.03	2.70	-184.77
383	13	-7643.66	3441.50	-1.34	0.0	0.0	-8.22	152.57	37.00	-7.12	-2664.01	-3.282e+04
		-3.282e+04	-2664.01	-0.47	0.0	165.0	-8.22	152.57	37.00	-7.12	3441.50	-7643.66
384	1	1300.97	540.48	0.04	-3.32	0.0	1.98	-41.38	17.54	-0.86	-49.87	1300.97
		-119.45	-49.87	-3.37e-03	0.71	33.0	1.98	-44.70	18.24	-0.86	540.48	-119.45
384	2	3135.85	1014.43	0.11	0.0	0.0	4.43	-106.16	29.51	2.60	40.53	3135.85
		-367.52	40.53	-6.76e-03	0.0	33.0	4.43	-106.16	29.51	2.60	1014.43	-367.52
384	3	6134.38	1984.43	0.22	0.0	0.0	8.67	-207.68	57.73	5.09	79.28	6134.38
		-718.96	79.28	-0.01	0.0	33.0	8.67	-207.68	57.73	5.09	1984.43	-718.96
384	4	1148.18	99.55	-9.35e-03	0.0	0.0	28.46	3.88	-39.39	-2.12	99.55	1086.10
		1086.10	-1250.07	-0.03	0.0	33.0	28.46	3.88	-39.39	-2.12	-1250.07	1148.18
384	5	1148.18	99.55	-9.35e-03	0.0	0.0	28.46	3.88	-39.39	-2.12	99.55	1086.10
		1086.10	-1250.07	-0.03	0.0	33.0	28.46	3.88	-39.39	-2.12	-1250.07	1148.18
384	6	158.25	1496.65	-0.02	0.0	0.0	3.47	15.67	34.09	-3.37	389.27	-456.33
		-456.33	389.27	0.01	0.0	33.0	3.47	15.67	34.09	-3.37	1496.65	158.25
384	7	310.33	793.62	-0.02	0.0	0.0	3.61	9.84	17.03	-3.94	255.07	310.33
		135.46	255.07	-5.60e-03	0.0	33.0	3.61	9.84	17.03	-3.94	793.62	135.46
384	8	365.05	31.80	-2.97e-03	0.0	0.0	9.05	1.24	-12.52	-0.67	31.80	345.32
		345.32	-397.45	-9.95e-03	0.0	33.0	9.05	1.24	-12.52	-0.67	-397.45	365.05
384	9	365.05	31.80	-2.97e-03	0.0	0.0	9.05	1.24	-12.52	-0.67	31.80	345.32
		345.32	-397.45	-9.95e-03	0.0	33.0	9.05	1.24	-12.52	-0.67	-397.45	365.05
384	10	51.04	489.04	-5.67e-03	0.0	0.0	1.12	5.47	11.08	-1.21	129.59	-159.95
		-159.95	129.59	4.42e-03	0.0	33.0	1.12	5.47	11.08	-1.21	489.04	51.04
384	11	109.15	263.31	-7.62e-03	0.0	0.0	1.16	3.51	5.63	-1.36	85.15	109.15
		43.86	85.15	-1.74e-03	0.0	33.0	1.16	3.51	5.63	-1.36	263.31	43.86
384	12	-184.87	53.89	-1.31e-03	0.0	0.0	-4.57	-0.58	1.91	0.12	-9.24	-184.87
		-203.89	-9.24	-5.85e-05	0.0	33.0	-4.57	-0.58	1.91	0.12	53.89	-203.89
384	13	1055.87	1913.78	-0.34	0.0	0.0	-8.37	263.96	27.58	-11.47	1003.74	-7654.76
		-7654.76	1003.74	-0.02	0.0	33.0	-8.37	263.96	27.58	-11.47	1913.78	1055.87
385	1	-4366.28	57.73	-0.10	-29.66	0.0	-22.31	88.42	3.52	3.68	-295.39	-1.174e+04
		-1.174e+04	-295.39	9.35e-05	0.0	100.2	-16.00	58.76	3.52	3.68	57.73	-4366.28
385	2	-4047.29	113.70	-0.06	0.0	0.0	-13.13	41.23	6.65	-56.31	-552.41	-8178.34
		-8178.34	-552.41	-1.86e-04	0.0	100.2	-13.13	41.23	6.65	-56.31	113.70	-4047.29
385	3	-7917.35	222.43	-0.12	0.0	0.0	-25.69	80.66	13.01	-110.15	-1080.63	-1.600e+04
		-1.600e+04	-1080.63	-3.64e-04	0.0	100.2	-25.69	80.66	13.01	-110.15	222.43	-7917.35
385	4	-399.97	760.17	0.22	0.0	0.0	-9.49	4.97	-2.62	19.63	760.17	-898.18
		-898.18	741.97	-0.11	0.0	100.2	-9.49	4.97	-2.62	19.63	741.97	-399.97
385	5	-399.97	760.17	0.22	0.0	0.0	-9.49	4.97	-2.62	19.63	760.17	-898.18
		-898.18	741.97	-0.11	0.0	100.2	-9.49	4.97	-2.62	19.63	741.97	-399.97
385	6	2633.88	179.03	0.32	0.0	0.0	-6.18	-14.14	4.40	-30.58	-331.88	2633.88
		1220.06	-331.88	0.04	0.0	100.2	-6.18	-14.14	4.40	-30.58	179.03	1220.06
385	7	4114.23	206.62	0.65	0.0	0.0	-15.69	-22.26	9.83	-27.52	-810.32	4114.23
		1885.57	-810.32	-0.04	0.0	100.2	-15.69	-22.26	9.83	-27.52	206.62	1885.57
385	8	-127.36	241.90	0.07	0.0	0.0	-3.02	1.58	-0.83	6.24	241.90	-286.00
		-286.00	235.96	-0.04	0.0	100.2	-3.02	1.58	-0.83	6.24	235.96	-127.36
385	9	-127.36	241.90	0.07	0.0	0.0	-3.02	1.58	-0.83	6.24	241.90	-286.00
		-286.00	235.96	-0.04	0.0	100.2	-3.02	1.58	-0.83	6.24	235.96	-127.36
385	10	947.95	57.93	0.10	0.0	0.0	-2.06	-5.07	1.48	-10.60	-112.01	947.95
		440.55	-112.01	0.01	0.0	100.2	-2.06	-5.07	1.48	-10.60	57.93	440.55
385	11	1457.33	68.20	0.21	0.0	0.0	-5.01	-7.87	3.20	-9.92	-262.45	1457.33
		669.63	-262.45	-0.01	0.0	100.2	-5.01	-7.87	3.20	-9.92	68.20	669.63
385	12	6.58	130.86	-3.32e-04	0.0	0.0	0.14	-0.03	-0.67	1.85	130.86	6.58
		3.14	63.26	-4.80e-04	0.0	100.2	0.14	-0.03	-0.67	1.85	63.26	3.14
385	13	2.085e+04	364.37	1.47	0.0	0.0	6.53	-105.05	10.52	103.13	-689.63	2.085e+04
		1.032e+04	-689.63	1.70e-03	0.0	100.2	6.53	-105.05	10.52	103.13	364.37	1.032e+04
386	1	-8477.32	53.85	-0.18	-29.66	0.0	-42.86	129.92	-0.54	9.54	53.85	-2.001e+04
		-2.001e+04	-0.45	7.26e-05	0.0	100.2	-36.55	100.26	-0.54	9.54	-0.45	-8477.32
386	2	-9536.61	127.01	-0.19	0.0	0.0	-50.30	96.77	-1.28	28.30	127.01	-1.923e+04
		-1.923e+04	-1.07	1.05e-04	0.0	100.2	-50.30	96.77	-1.28	28.30	-1.07	-9536.61
386	3	-1.866e+04	248.47	-0.37	0.0	0.0	-98.39	189.31	-2.50	55.35	248.47	-3.762e+04
		-3.762e+04	-2.09	2.04e-04	0.0	100.2	-98.39	189.31	-2.50	55.35	-2.09	-1.866e+04
386	4	1055.50	680.51	0.16	0.0	0.0	-2.88	-5.63	4.96	13.88	293.37	1055.50
		491.70	293.37	-0.11	0.0	100.2	-2.88	-5.63	4.96	13.88	680.51	491.70
386	5	1055.50	680.51	0.16	0.0	0.0	-2.88	-5.63	4.96	13.88	293.37	1055.50
		491.70	293.37	-0.11	0.0	100.2	-2.88	-5.63	4.96	13.88	680.51	491.70
386	6	7577.16	169.50	0.41	0.0	0.0	-13.66	-39.97	5.84	-24.20	-458.52	7577.16
		3573.41	-458.52	0.04	0.0	100.2	-13.66	-39.97	5.84	-24.20	169.50	3573.41
386	7	9810.90	154.11	0.69	0.0	0.0	-20.19	-51.75	7.64	-18.23	-639.40	9810.90
		4626.23	-639.40	-0.04	0.0	100.2	-20.19	-51.75	7.64	-18.23	154.11	4626.23
386	8	335.62	216.43	0.05	0.0	0.0	-0.92	-1.79	1.58	4.41	93.41	335.62
		156.35	93.41	-0.04	0.0	100.2	-0.92	-1.79	1.58	4.41	216.43	156.35
386	9	335.62	216.43	0.05	0.0	0.0	-0.92	-1.79	1.58	4.41	93.41	335.62
		156.35	93.41	-0.04	0.0	100.2	-0.92	-1.79	1.58	4.41	216.43	156.35
386	10	2808.30	54.89	0.13	0.0	0.0	-4.97	-14.81	1.98	-7.96	-157.22	2808.30

		1324.87	-157.22	0.01	0.0	100.2	-4.97	-14.81	1.98	-7.96	54.89	1324.87
386	11	3618.31	51.35	0.22	0.0	0.0	-7.04	-19.07	2.52	-6.28	-209.73	3618.31
		1707.27	-209.73	-0.01	0.0	100.2	-7.04	-19.07	2.52	-6.28	51.35	1707.27
386	12	-0.37	70.87	1.08e-04	0.0	0.0	0.05	3.66e-03	-0.35	0.15	70.87	-0.74
		-0.74	35.46	-3.21e-04	0.0	100.2	0.05	3.66e-03	-0.35	0.15	35.46	-0.37
386	13	4.689e+04	343.51	1.97	0.0	0.0	71.64	-235.95	16.77	-97.48	-1336.99	4.689e+04
		2.325e+04	-1336.99	1.27e-03	0.0	100.2	71.64	-235.95	16.77	-97.48	343.51	2.325e+04
387	1	-8082.18	3.81	-0.18	-29.66	0.0	-40.82	125.93	0.09	-3.47	-4.86	-1.921e+04
		-1.921e+04	-4.86	1.65e-05	0.0	100.2	-34.51	96.27	0.09	-3.47	3.81	-8082.18
387	2	-8982.87	9.73	-0.18	0.0	0.0	-45.21	91.18	0.25	-8.50	-15.27	-1.812e+04
		-1.812e+04	-15.27	-6.84e-06	0.0	100.2	-45.21	91.18	0.25	-8.50	9.73	-8982.87
387	3	-1.757e+04	19.04	-0.35	0.0	0.0	-88.45	178.37	0.49	-16.63	-29.87	-3.544e+04
		-3.544e+04	-29.87	-1.34e-05	0.0	100.2	-88.45	178.37	0.49	-16.63	19.04	-1.757e+04
387	4	667.72	689.75	0.09	0.0	0.0	1.52	-3.56	5.00	17.92	224.74	667.72
		311.02	224.74	-0.11	0.0	100.2	1.52	-3.56	5.00	17.92	689.75	311.02
387	5	667.72	689.75	0.09	0.0	0.0	1.52	-3.56	5.00	17.92	224.74	667.72
		311.02	224.74	-0.11	0.0	100.2	1.52	-3.56	5.00	17.92	689.75	311.02
387	6	9486.28	151.47	0.49	0.0	0.0	-17.65	-49.57	5.31	-24.86	-424.41	9486.28
		4520.57	-424.41	0.04	0.0	100.2	-17.65	-49.57	5.31	-24.86	151.47	4520.57
387	7	1.104e+04	103.59	0.65	0.0	0.0	-20.83	-57.94	4.61	21.56	-410.96	1.104e+04
		5235.98	-410.96	-0.04	0.0	100.2	-20.83	-57.94	4.61	21.56	103.59	5235.98
387	8	212.38	219.35	0.03	0.0	0.0	0.48	-1.13	1.59	5.70	71.94	212.38
		98.93	71.94	-0.04	0.0	100.2	0.48	-1.13	1.59	5.70	219.35	98.93
387	9	212.38	219.35	0.03	0.0	0.0	0.48	-1.13	1.59	5.70	71.94	212.38
		98.93	71.94	-0.04	0.0	100.2	0.48	-1.13	1.59	5.70	219.35	98.93
387	10	3526.38	48.78	0.16	0.0	0.0	-6.42	-18.42	1.81	-8.10	-146.68	3526.38
		1681.41	-146.68	0.01	0.0	100.2	-6.42	-18.42	1.81	-8.10	48.78	1681.41
387	11	4089.53	33.53	0.21	0.0	0.0	-7.41	-21.45	1.58	6.98	-141.70	4089.53
		1940.30	-141.70	-0.01	0.0	100.2	-7.41	-21.45	1.58	6.98	33.53	1940.30
387	12	2.37	35.98	1.68e-04	0.0	0.0	8.71e-03	-0.01	-0.18	0.30	35.98	2.37
		1.18	17.84	-1.69e-04	0.0	100.2	8.71e-03	-0.01	-0.18	0.30	17.84	1.18
387	13	4.498e+04	133.56	2.05	0.0	0.0	57.24	-226.35	4.78	8.92	-345.13	4.498e+04
		2.230e+04	-345.13	6.81e-04	0.0	100.2	57.24	-226.35	4.78	8.92	133.56	2.230e+04
388	1	-7994.49	-0.02	-0.17	-29.66	0.0	-41.20	125.05	0.02	0.01	-1.72	-1.904e+04
		-1.904e+04	-1.72	-1.36e-05	0.0	100.2	-34.89	95.39	0.02	0.01	-0.02	-7994.49
388	2	-8825.02	0.55	-0.17	0.0	0.0	-46.30	89.59	0.03	1.38e-04	-2.82	-1.780e+04
		-1.780e+04	-2.82	-5.60e-05	0.0	100.2	-46.30	89.59	0.03	1.38e-04	0.55	-8825.02
388	3	-1.726e+04	1.07	-0.34	0.0	0.0	-90.58	175.26	0.07	2.71e-04	-5.52	-3.482e+04
		-3.482e+04	-5.52	-1.10e-04	0.0	100.2	-90.58	175.26	0.07	2.71e-04	1.07	-1.726e+04
388	4	-1.02	694.04	3.33e-04	0.0	0.0	0.47	0.01	5.61	18.20	289.42	-2.17
		-2.17	289.42	-0.11	0.0	100.2	0.47	0.01	5.61	18.20	694.04	-1.02
388	5	-1.02	694.04	3.33e-04	0.0	0.0	0.47	0.01	5.61	18.20	289.42	-2.17
		-2.17	289.42	-0.11	0.0	100.2	0.47	0.01	5.61	18.20	694.04	-1.02
388	6	9283.38	113.12	0.57	0.0	0.0	-16.92	-49.11	2.78	-24.21	-222.54	9283.38
		4363.03	-222.54	0.04	0.0	100.2	-16.92	-49.11	2.78	-24.21	113.12	4363.03
388	7	9301.27	222.87	0.57	0.0	0.0	-17.10	-49.20	-2.78	24.22	222.87	9301.27
		4372.42	-112.86	-0.04	0.0	100.2	-17.10	-49.20	-2.78	24.22	-112.86	4372.42
388	8	-0.32	220.70	1.06e-04	0.0	0.0	0.15	3.68e-03	1.79	5.79	92.92	-0.69
		-0.69	92.92	-0.04	0.0	100.2	0.15	3.68e-03	1.79	5.79	220.70	-0.32
388	9	-0.32	220.70	1.06e-04	0.0	0.0	0.15	3.68e-03	1.79	5.79	92.92	-0.69
		-0.69	92.92	-0.04	0.0	100.2	0.15	3.68e-03	1.79	5.79	220.70	-0.32
388	10	3431.38	36.46	0.18	0.0	0.0	-5.99	-18.15	0.95	-7.93	-77.56	3431.38
		1613.00	-77.56	0.01	0.0	100.2	-5.99	-18.15	0.95	-7.93	36.46	1613.00
388	11	3438.42	77.74	0.18	0.0	0.0	-6.04	-18.18	-0.96	7.93	77.74	3438.42
		1616.69	-36.36	-0.01	0.0	100.2	-6.04	-18.18	-0.96	7.93	-36.36	1616.69
388	12	0.23	0.03	1.80e-04	0.0	0.0	0.01	-1.15e-03	-1.90e-04	-4.65e-06	0.03	0.23
		0.11	7.04e-03	0.0	0.0	100.2	0.01	-1.15e-03	-1.90e-04	-4.65e-06	7.04e-03	0.11
388	13	4.432e+04	2.79	2.07	0.0	0.0	59.01	-223.08	-0.02	0.03	2.79	4.432e+04
		2.197e+04	0.67	-4.35e-04	0.0	100.2	59.01	-223.08	-0.02	0.03	0.67	2.197e+04
389	1	-8082.25	1.53	-0.18	-29.66	0.0	-40.83	125.93	-0.05	3.49	1.53	-1.921e+04
		-1.921e+04	-3.87	-4.37e-05	0.0	100.2	-34.52	96.27	-0.05	3.49	-3.87	-8082.25
389	2	-8983.33	9.94	-0.18	0.0	0.0	-45.24	91.19	-0.19	8.50	9.94	-1.812e+04
		-1.812e+04	-8.70	-1.05e-04	0.0	100.2	-45.24	91.19	-0.19	8.50	-8.70	-8983.33
389	3	-1.757e+04	19.45	-0.35	0.0	0.0	-88.49	178.38	-0.36	16.63	19.45	-3.545e+04
		-3.545e+04	-17.01	-2.05e-04	0.0	100.2	-88.49	178.38	-0.36	16.63	-17.01	-1.757e+04
389	4	-311.32	689.75	-0.09	0.0	0.0	1.92	3.57	4.99	17.91	224.54	-668.37
		-668.37	224.54	-0.11	0.0	100.2	1.92	3.57	4.99	17.91	689.75	-311.32
389	5	-311.32	689.75	-0.09	0.0	0.0	1.92	3.57	4.99	17.91	224.54	-668.37
		-668.37	224.54	-0.11	0.0	100.2	1.92	3.57	4.99	17.91	689.75	-311.32
389	6	1.105e+04	412.23	0.65	0.0	0.0	-20.72	-58.02	-4.61	-21.52	412.23	1.105e+04
		5242.14	-103.38	0.04	0.0	100.2	-20.72	-58.02	-4.61	-21.52	-103.38	5242.14
389	7	9511.88	424.09	0.49	0.0	0.0	-17.84	-49.70	-5.30	24.90	424.09	9511.88
		4532.98	-151.04	-0.04	0.0	100.2	-17.84	-49.70	-5.30	24.90	-151.04	4532.98
389	8	-99.02	219.35	-0.03	0.0	0.0	0.61	1.13	1.59	5.70	71.87	-212.59
		-212.59	71.87	-0.04	0.0	100.2	0.61	1.13	1.59	5.70	219.35	-99.02
389	9	-99.02	219.35	-0.03	0.0	0.0	0.61	1.13	1.59	5.70	71.87	-212.59

		-212.59	71.87	-0.04	0.0	100.2	0.61	1.13	1.59	5.70	219.35	-99.02
389	10	4094.68	142.19	0.21	0.0	0.0	-7.38	-21.48	-1.58	-6.97	142.19	4094.68
		1942.63	-33.45	0.01	0.0	100.2	-7.38	-21.48	-1.58	-6.97	-33.45	1942.63
389	11	3536.29	146.58	0.16	0.0	0.0	-6.47	-18.47	-1.80	8.11	146.58	3536.29
		1686.21	-48.64	-0.01	0.0	100.2	-6.47	-18.47	-1.80	8.11	-48.64	1686.21
389	12	2.38	-17.83	1.68e-04	0.0	0.0	8.49e-05	-0.01	0.18	-0.30	-35.93	2.38
		1.18	-35.93	1.69e-04	0.0	100.2	8.49e-05	-0.01	0.18	-0.30	-17.83	1.18
389	13	4.498e+04	350.99	2.05	0.0	0.0	56.88	-226.36	-4.82	-8.83	350.99	4.498e+04
		2.230e+04	-132.35	-1.55e-03	0.0	100.2	56.88	-226.36	-4.82	-8.83	-132.35	2.230e+04
390	1	-8477.18	0.51	-0.18	-29.66	0.0	-42.86	129.92	0.58	-9.52	-57.86	-2.001e+04
		-2.001e+04	-57.86	-1.00e-04	0.0	100.2	-36.55	100.26	0.58	-9.52	0.51	-8477.18
390	2	-9535.72	2.43	-0.19	0.0	0.0	-50.29	96.76	1.36	-28.32	-134.03	-1.923e+04
		-1.923e+04	-134.03	-2.18e-04	0.0	100.2	-50.29	96.76	1.36	-28.32	2.43	-9535.72
390	3	-1.865e+04	4.75	-0.37	0.0	0.0	-98.38	189.29	2.66	-55.39	-262.20	-3.762e+04
		-3.762e+04	-262.20	-4.26e-04	0.0	100.2	-98.38	189.29	2.66	-55.39	4.75	-1.865e+04
390	4	-491.72	680.53	-0.16	0.0	0.0	3.29	5.63	4.96	13.87	293.90	-1055.54
		-1055.54	293.90	-0.11	0.0	100.2	3.29	5.63	4.96	13.87	680.53	-491.72
390	5	-491.72	680.53	-0.16	0.0	0.0	3.29	5.63	4.96	13.87	293.90	-1055.54
		-1055.54	293.90	-0.11	0.0	100.2	3.29	5.63	4.96	13.87	680.53	-491.72
390	6	9811.77	640.15	0.69	0.0	0.0	-20.28	-51.75	-7.65	18.22	640.15	9811.77
		4627.06	-154.42	0.04	0.0	100.2	-20.28	-51.75	-7.65	18.22	-154.42	4627.06
390	7	7557.16	458.80	0.41	0.0	0.0	-13.96	-39.87	-5.85	24.25	458.80	7557.16
		3562.96	-169.53	-0.04	0.0	100.2	-13.96	-39.87	-5.85	24.25	-169.53	3562.96
390	8	-156.36	216.43	-0.05	0.0	0.0	1.05	1.79	1.58	4.41	93.58	-335.63
		-335.63	93.58	-0.04	0.0	100.2	1.05	1.79	1.58	4.41	216.43	-156.36
390	9	-156.36	216.43	-0.05	0.0	0.0	1.05	1.79	1.58	4.41	93.58	-335.63
		-335.63	93.58	-0.04	0.0	100.2	1.05	1.79	1.58	4.41	216.43	-156.36
390	10	3618.66	209.96	0.22	0.0	0.0	-7.08	-19.07	-2.52	6.28	209.96	3618.66
		1707.60	-51.50	0.01	0.0	100.2	-7.08	-19.07	-2.52	6.28	-51.50	1707.60
390	11	2800.65	157.32	0.13	0.0	0.0	-5.06	-14.77	-1.98	7.98	157.32	2800.65
		1320.87	-54.95	-0.01	0.0	100.2	-5.06	-14.77	-1.98	7.98	-54.95	1320.87
390	12	-0.37	-35.45	1.08e-04	0.0	0.0	0.03	3.66e-03	0.35	-0.15	-70.81	-0.74
		-0.74	-70.81	3.21e-04	0.0	100.2	0.03	3.66e-03	0.35	-0.15	-35.45	-0.37
390	13	4.688e+04	1350.22	1.97	0.0	0.0	70.74	-235.91	-16.91	97.68	1350.22	4.688e+04
		2.324e+04	-343.94	-2.13e-03	0.0	100.2	70.74	-235.91	-16.91	97.68	-343.94	2.324e+04
391	1	-4364.40	294.80	-0.10	-29.66	0.0	-22.25	88.40	-3.52	-3.67	294.80	-1.174e+04
		-1.174e+04	-58.11	-1.02e-04	0.0	100.2	-15.94	58.74	-3.52	-3.67	-58.11	-4364.40
391	2	-4032.82	552.13	-0.06	0.0	0.0	-13.19	41.08	-6.64	56.22	552.13	-8148.34
		-8148.34	-113.62	-1.96e-04	0.0	100.2	-13.19	41.08	-6.64	56.22	-113.62	-4032.82
391	3	-7889.05	1080.09	-0.12	0.0	0.0	-25.81	80.35	-13.00	109.98	1080.09	-1.594e+04
		-1.594e+04	-222.26	-3.82e-04	0.0	100.2	-25.81	80.35	-13.00	109.98	-222.26	-7889.05
391	4	896.60	760.46	-0.22	0.0	0.0	9.78	-4.97	-2.61	19.61	760.46	896.60
		399.20	746.47	-0.11	0.0	100.2	9.78	-4.97	-2.61	19.61	746.47	399.20
391	5	896.60	760.46	-0.22	0.0	0.0	9.78	-4.97	-2.61	19.61	760.46	896.60
		399.20	746.47	-0.11	0.0	100.2	9.78	-4.97	-2.61	19.61	746.47	399.20
391	6	4097.90	807.10	0.64	0.0	0.0	-15.83	-22.17	-9.79	27.46	807.10	4097.90
		1877.87	-206.87	0.04	0.0	100.2	-15.83	-22.17	-9.79	27.46	-206.87	1877.87
391	7	2629.35	329.42	0.32	0.0	0.0	-6.22	-14.12	-4.38	30.53	329.42	2629.35
		1217.19	-179.35	-0.04	0.0	100.2	-6.22	-14.12	-4.38	30.53	-179.35	1217.19
391	8	285.50	241.99	-0.07	0.0	0.0	3.12	-1.58	-0.83	6.24	241.99	285.50
		127.12	237.38	-0.04	0.0	100.2	3.12	-1.58	-0.83	6.24	237.38	127.12
391	9	285.50	241.99	-0.07	0.0	0.0	3.12	-1.58	-0.83	6.24	241.99	285.50
		127.12	237.38	-0.04	0.0	100.2	3.12	-1.58	-0.83	6.24	237.38	127.12
391	10	1451.15	261.31	0.21	0.0	0.0	-5.06	-7.83	-3.18	9.89	261.31	1451.15
		666.72	-68.33	0.01	0.0	100.2	-5.06	-7.83	-3.18	9.89	-68.33	666.72
391	11	946.25	111.02	0.10	0.0	0.0	-2.07	-5.07	-1.47	10.57	111.02	946.25
		439.46	-58.04	-0.01	0.0	100.2	-2.07	-5.07	-1.47	10.57	-58.04	439.46
391	12	6.59	-63.64	-3.32e-04	0.0	0.0	0.13	-0.03	0.68	-1.85	-131.38	6.59
		3.15	-131.38	4.81e-04	0.0	100.2	0.13	-0.03	0.68	-1.85	-63.64	3.15
391	13	2.077e+04	686.14	1.47	0.0	0.0	5.73	-104.68	-10.47	-102.73	686.14	2.077e+04
		1.029e+04	-363.06	-2.57e-03	0.0	100.2	5.73	-104.68	-10.47	-102.73	-363.06	1.029e+04
392	1	422.39	207.36	0.21	10.49	0.0	1.51	-7.33	-2.11	0.27	207.36	422.39
		-88.23	-213.28	2.75e-03	0.0	199.4	3.74	3.16	-2.11	0.27	-213.28	6.60
392	2	922.81	448.78	0.10	40.22	0.0	-5.61	-24.60	-4.58	-3.69	448.78	922.81
		-575.84	-463.60	6.14e-03	0.0	199.4	2.94	15.62	-4.58	-3.69	-463.60	28.38
392	3	1805.20	877.90	0.20	78.68	0.0	-10.98	-48.11	-8.95	-7.21	877.90	1805.20
		-1126.47	-906.91	0.01	0.0	199.4	5.76	30.56	-8.95	-7.21	-906.91	55.52
392	4	12.50	406.62	-0.42	0.0	0.0	3.75	-0.06	-4.07	1.16	406.62	12.50
		-1.01	-404.03	0.22	0.0	199.4	3.75	-0.06	-4.07	1.16	-404.03	-1.01
392	5	12.50	406.62	-0.42	0.0	0.0	3.75	-0.06	-4.07	1.16	406.62	12.50
		-1.01	-404.03	0.22	0.0	199.4	3.75	-0.06	-4.07	1.16	-404.03	-1.01
392	6	0.34	423.42	-0.64	0.0	0.0	-9.60	0.21	-4.31	-2.05	423.42	-41.82
		-41.82	-435.50	-0.08	0.0	199.4	-9.60	0.21	-4.31	-2.05	-435.50	0.34
392	7	-0.50	786.02	-1.29	0.0	0.0	-10.56	0.32	-8.00	-1.84	786.02	-63.88
		-63.88	-809.05	0.08	0.0	199.4	-10.56	0.32	-8.00	-1.84	-809.05	-0.50
392	8	3.98	129.29	-0.13	0.0	0.0	1.22	-0.02	-1.29	0.37	129.29	3.98

		-0.32	-128.47	0.07	0.0	199.4	1.22	-0.02	-1.29	0.37	-128.47	-0.32
392	9	3.98	129.29	-0.13	0.0	0.0	1.22	-0.02	-1.29	0.37	129.29	3.98
		-0.32	-128.47	0.07	0.0	199.4	1.22	-0.02	-1.29	0.37	-128.47	-0.32
392	10	0.12	140.99	-0.20	0.0	0.0	-3.13	0.08	-1.43	-0.71	140.99	-15.11
		-15.11	-145.03	-0.03	0.0	199.4	-3.13	0.08	-1.43	-0.71	-145.03	0.12
392	11	-0.18	257.61	-0.41	0.0	0.0	-3.54	0.11	-2.62	-0.66	257.61	-22.68
		-22.68	-265.18	0.03	0.0	199.4	-3.54	0.11	-2.62	-0.66	-265.18	-0.18
392	12	1.70	6.73	1.70e-03	0.0	0.0	-0.20	-9.44e-03	-0.06	0.09	6.73	1.70
		-0.18	-5.10	4.63e-04	0.0	199.4	-0.20	-9.44e-03	-0.06	0.09	-5.10	-0.18
392	13	1424.03	1194.43	-2.89	-99.68	0.0	-33.62	61.00	-12.16	6.71	1194.43	-2295.78
		-2295.78	-1229.33	-0.02	0.0	199.4	-33.62	-38.68	-12.16	6.71	-1229.33	-70.32
393	1	401.65	92.47	0.24	10.49	0.0	-1.38	-7.25	-1.02	0.93	92.47	401.65
		-97.70	-111.79	1.91e-03	0.0	199.4	0.85	3.24	-1.02	0.93	-111.79	2.25
393	2	1444.42	275.57	0.09	80.44	0.0	-4.86	-47.36	-3.04	0.08	275.57	1444.42
		-1330.07	-330.27	5.78e-03	0.0	199.4	12.25	33.07	-3.04	0.08	-330.27	19.97
393	3	2825.59	539.08	0.17	157.35	0.0	-9.51	-92.65	-5.94	0.16	539.08	2825.59
		-2601.89	-646.08	0.01	0.0	199.4	23.97	64.70	-5.94	0.16	-646.08	39.06
393	4	18.44	696.58	-0.39	0.0	0.0	1.79	-0.10	-7.41	0.63	696.58	18.44
		-0.92	-779.78	0.22	0.0	199.4	1.79	-0.10	-7.41	0.63	-779.78	-0.92
393	5	18.44	696.58	-0.39	0.0	0.0	1.79	-0.10	-7.41	0.63	696.58	18.44
		-0.92	-779.78	0.22	0.0	199.4	1.79	-0.10	-7.41	0.63	-779.78	-0.92
393	6	0.37	860.92	-0.70	0.0	0.0	2.01	0.23	-9.14	-1.95	860.92	-45.16
		-45.16	-960.40	-0.08	0.0	199.4	2.01	0.23	-9.14	-1.95	-960.40	0.37
393	7	0.48	1388.44	-1.32	0.0	0.0	3.73	0.31	-14.74	-1.67	1388.44	-62.40
		-62.40	-1551.04	0.09	0.0	199.4	3.73	0.31	-14.74	-1.67	-1551.04	0.48
393	8	5.86	221.60	-0.12	0.0	0.0	0.57	-0.03	-2.36	0.20	221.60	5.86
		-0.29	-248.07	0.07	0.0	199.4	0.57	-0.03	-2.36	0.20	-248.07	-0.29
393	9	5.86	221.60	-0.12	0.0	0.0	0.57	-0.03	-2.36	0.20	221.60	5.86
		-0.29	-248.07	0.07	0.0	199.4	0.57	-0.03	-2.36	0.20	-248.07	-0.29
393	10	0.14	286.48	-0.22	0.0	0.0	0.65	0.08	-3.04	-0.67	286.48	-16.35
		-16.35	-319.59	-0.03	0.0	199.4	0.65	0.08	-3.04	-0.67	-319.59	0.14
393	11	0.18	455.40	-0.42	0.0	0.0	1.26	0.11	-4.84	-0.60	455.40	-22.01
		-22.01	-508.90	0.03	0.0	199.4	1.26	0.11	-4.84	-0.60	-508.90	0.18
393	12	4.59	5.86	3.30e-03	0.0	0.0	0.02	-0.02	-0.06	-0.02	5.86	4.59
		-0.17	-6.85	4.73e-04	0.0	199.4	0.02	-0.02	-0.06	-0.02	-6.85	-0.17
393	13	3278.30	3074.64	-2.73	-199.36	0.0	5.49	117.61	-32.48	-2.45	3074.64	-3622.76
		-3622.76	-3401.43	0.05	0.0	199.4	5.49	-81.76	-32.48	-2.45	-3401.43	-48.73
394	1	476.99	368.27	0.31	10.49	0.0	-1.14	-7.64	3.48	1.65	-325.17	476.99
		-76.45	-325.17	-6.30e-03	0.0	199.4	1.09	2.86	3.48	1.65	368.27	0.61
394	2	1638.65	966.57	0.16	80.44	0.0	-4.24	-48.37	9.13	4.99	-852.71	1638.65
		-1256.56	-852.71	-0.02	0.0	199.4	12.87	32.07	9.13	4.99	966.57	13.13
394	3	3205.55	1890.82	0.32	157.35	0.0	-8.30	-94.63	17.85	9.76	-1668.08	3205.55
		-2458.11	-1668.08	-0.03	0.0	199.4	25.18	62.73	17.85	9.76	1890.82	25.69
394	4	11.91	574.97	-0.36	0.0	0.0	-1.10	-0.06	-6.10	0.54	574.97	11.91
		0.24	-640.19	0.22	0.0	199.4	-1.10	-0.06	-6.10	0.54	-640.19	0.24
394	5	11.91	574.97	-0.36	0.0	0.0	-1.10	-0.06	-6.10	0.54	574.97	11.91
		0.24	-640.19	0.22	0.0	199.4	-1.10	-0.06	-6.10	0.54	-640.19	0.24
394	6	0.60	626.48	-0.76	0.0	0.0	0.80	0.39	-6.61	-1.80	626.48	-77.43
		-77.43	-691.38	-0.08	0.0	199.4	0.80	0.39	-6.61	-1.80	-691.38	0.60
394	7	0.88	758.46	-1.35	0.0	0.0	2.17	0.51	-7.97	-1.39	758.46	-100.52
		-100.52	-829.84	0.08	0.0	199.4	2.17	0.51	-7.97	-1.39	-829.84	0.88
394	8	3.79	183.08	-0.12	0.0	0.0	-0.35	-0.02	-1.94	0.17	183.08	3.79
		0.08	-203.85	0.07	0.0	199.4	-0.35	-0.02	-1.94	0.17	-203.85	0.08
394	9	3.79	183.08	-0.12	0.0	0.0	-0.35	-0.02	-1.94	0.17	183.08	3.79
		0.08	-203.85	0.07	0.0	199.4	-0.35	-0.02	-1.94	0.17	-203.85	0.08
394	10	0.22	210.95	-0.24	0.0	0.0	0.28	0.14	-2.23	-0.60	210.95	-28.46
		-28.46	-232.94	-0.03	0.0	199.4	0.28	0.14	-2.23	-0.60	-232.94	0.22
394	11	0.32	250.67	-0.43	0.0	0.0	0.80	0.18	-2.63	-0.49	250.67	-36.52
		-36.52	-274.60	0.03	0.0	199.4	0.80	0.18	-2.63	-0.49	-274.60	0.32
394	12	2.33	5.87	1.42e-03	0.0	0.0	-0.02	-0.01	-0.06	-0.05	5.87	2.33
		7.68e-03	-6.65	4.41e-04	0.0	199.4	-0.02	-0.01	-0.06	-0.05	-6.65	7.68e-03
394	13	3106.94	3052.97	-3.18	-199.36	0.0	-4.19	120.00	-32.25	-14.38	3052.97	-4082.25
		-4082.25	-3377.42	0.05	0.0	199.4	-4.19	-79.37	-32.25	-14.38	-3377.42	-32.00
395	1	587.35	335.24	0.38	10.49	0.0	5.14	-8.18	3.31	1.04	-325.26	587.35
		-47.32	-325.26	-4.78e-03	0.0	199.4	7.37	2.31	3.31	1.04	335.24	2.66
395	2	1238.32	761.02	0.38	40.22	0.0	2.09	-26.25	7.51	3.52	-736.48	1238.32
		-466.11	-736.48	-0.01	0.0	199.4	10.65	13.97	7.51	3.52	761.02	14.65
395	3	2422.41	1488.71	0.73	78.68	0.0	4.10	-51.35	14.69	6.88	-1440.70	2422.41
		-911.81	-1440.70	-0.02	0.0	199.4	20.84	27.33	14.69	6.88	1488.71	28.65
395	4	0.71	304.94	-0.34	0.0	0.0	-4.96	0.10	-3.04	0.82	304.94	-18.47
		-18.47	-300.22	0.22	0.0	199.4	-4.96	0.10	-3.04	0.82	-300.22	0.71
395	5	0.71	304.94	-0.34	0.0	0.0	-4.96	0.10	-3.04	0.82	304.94	-18.47
		-18.47	-300.22	0.22	0.0	199.4	-4.96	0.10	-3.04	0.82	-300.22	0.71
395	6	1.19	246.08	-0.81	0.0	0.0	6.46	0.62	2.44	-1.65	-239.54	-121.76
		-121.76	-239.54	-0.08	0.0	199.4	6.46	0.62	2.44	-1.65	246.08	1.19
395	7	1.67	302.04	-1.37	0.0	0.0	-5.68	0.80	2.98	-1.22	-293.05	-158.11

		-158.11	-293.05	0.08	0.0	199.4	-5.68	0.80	2.98	-1.22	302.04	1.67
395	8	0.23	97.03	-0.11	0.0	0.0	-1.60	0.03	-0.97	0.26	97.03	-5.87
		-5.87	-95.53	0.07	0.0	199.4	-1.60	0.03	-0.97	0.26	-95.53	0.23
395	9	0.23	97.03	-0.11	0.0	0.0	-1.60	0.03	-0.97	0.26	97.03	-5.87
		-5.87	-95.53	0.07	0.0	199.4	-1.60	0.03	-0.97	0.26	-95.53	0.23
395	10	0.43	85.82	-0.26	0.0	0.0	2.10	0.23	0.85	-0.54	-83.41	-45.11
		-45.11	-83.41	-0.03	0.0	199.4	2.10	0.23	0.85	-0.54	85.82	0.43
395	11	0.60	105.97	-0.44	0.0	0.0	-1.88	0.30	1.05	-0.42	-102.67	-58.28
		-58.28	-102.67	0.03	0.0	199.4	-1.88	0.30	1.05	-0.42	105.97	0.60
395	12	0.08	5.43	-2.26e-04	0.0	0.0	0.02	1.07e-03	-0.05	-6.76e-03	5.43	-0.13
		-0.13	-4.56	3.73e-04	0.0	199.4	0.02	1.07e-03	-0.05	-6.76e-03	-4.56	0.08
395	13	1164.24	1460.10	-3.90	-99.68	0.0	-10.83	64.93	-14.83	-10.57	1460.10	-3044.44
		-3044.44	-1495.78	-0.02	0.0	199.4	-10.83	-34.76	-14.83	-10.57	-1495.78	-36.77
396	1	602.22	281.62	0.39	10.49	0.0	5.59	-8.25	-2.87	0.25	281.62	602.22
		-44.23	-289.78	3.92e-03	0.0	199.4	7.82	2.24	-2.87	0.25	-289.78	2.75
396	2	1290.71	632.27	0.41	40.22	0.0	3.00	-26.51	-6.45	0.32	632.27	1290.71
		-447.78	-652.69	8.97e-03	0.0	199.4	11.56	13.71	-6.45	0.32	-652.69	14.85
396	3	2524.90	1236.85	0.81	78.68	0.0	5.87	-51.86	-12.61	0.64	1236.85	2524.90
		-875.94	-1276.80	0.02	0.0	199.4	22.61	26.82	-12.61	0.64	-1276.80	29.05
396	4	-0.37	382.36	-0.32	0.0	0.0	4.37	0.09	-3.82	0.90	382.36	-17.55
		-17.55	-380.07	0.22	0.0	199.4	4.37	0.09	-3.82	0.90	-380.07	-0.37
396	5	-0.37	382.36	-0.32	0.0	0.0	4.37	0.09	-3.82	0.90	382.36	-17.55
		-17.55	-380.07	0.22	0.0	199.4	4.37	0.09	-3.82	0.90	-380.07	-0.37
396	6	1.25	525.16	-0.84	0.0	0.0	-10.63	0.66	-5.35	-1.60	525.16	-130.27
		-130.27	-541.84	-0.08	0.0	199.4	-10.63	0.66	-5.35	-1.60	-541.84	1.25
396	7	1.74	621.06	-1.37	0.0	0.0	-9.11	0.86	-6.33	-1.24	621.06	-169.04
		-169.04	-641.10	0.08	0.0	199.4	-9.11	0.86	-6.33	-1.24	-641.10	1.74
396	8	-0.12	121.64	-0.10	0.0	0.0	1.41	0.03	-1.22	0.29	121.64	-5.58
		-5.58	-120.92	0.07	0.0	199.4	1.41	0.03	-1.22	0.29	-120.92	-0.12
396	9	-0.12	121.64	-0.10	0.0	0.0	1.41	0.03	-1.22	0.29	121.64	-5.58
		-5.58	-120.92	0.07	0.0	199.4	1.41	0.03	-1.22	0.29	-120.92	-0.12
396	10	0.46	182.96	-0.27	0.0	0.0	-3.51	0.24	-1.86	-0.53	182.96	-48.30
		-48.30	-188.84	-0.03	0.0	199.4	-3.51	0.24	-1.86	-0.53	-188.84	0.46
396	11	0.63	214.72	-0.44	0.0	0.0	-3.16	0.32	-2.19	-0.43	214.72	-62.38
		-62.38	-221.74	0.03	0.0	199.4	-3.16	0.32	-2.19	-0.43	-221.74	0.63
396	12	-0.02	3.64	-1.39e-04	0.0	0.0	-0.04	4.53e-04	-0.03	5.51e-03	3.64	-0.11
		-0.11	-2.70	3.56e-04	0.0	199.4	-0.04	4.53e-04	-0.03	5.51e-03	-2.70	-0.02
396	13	1118.18	230.18	-4.03	-99.68	0.0	-44.25	65.56	-2.36	-2.62	230.18	-3171.49
		-3171.49	-239.89	-4.96e-03	0.0	199.4	-44.25	-34.12	-2.36	-2.62	-239.89	-37.16
397	1	566.37	236.63	0.38	10.49	0.0	-1.25	-8.09	-2.55	-0.43	236.63	566.37
		-54.42	-270.88	4.53e-03	0.0	199.4	0.98	2.41	-2.55	-0.43	-270.88	0.19
397	2	1941.66	639.27	0.34	80.44	0.0	-4.52	-49.91	-6.88	-1.87	639.27	1941.66
		-1145.05	-731.69	0.01	0.0	199.4	12.60	30.53	-6.88	-1.87	-731.69	9.76
397	3	3798.29	1250.54	0.66	157.35	0.0	-8.83	-97.63	-13.45	-3.65	1250.54	3798.29
		-2239.95	-1431.35	0.02	0.0	199.4	24.65	59.72	-13.45	-3.65	-1431.35	19.10
397	4	-0.29	679.17	-0.28	0.0	0.0	1.58	0.08	-7.22	0.85	679.17	-16.79
		-16.79	-759.66	0.22	0.0	199.4	1.58	0.08	-7.22	0.85	-759.66	-0.29
397	5	-0.29	679.17	-0.28	0.0	0.0	1.58	0.08	-7.22	0.85	679.17	-16.79
		-16.79	-759.66	0.22	0.0	199.4	1.58	0.08	-7.22	0.85	-759.66	-0.29
397	6	0.80	923.54	-0.88	0.0	0.0	2.50	0.65	-9.83	-1.54	923.54	-129.20
		-129.20	-1035.26	-0.08	0.0	199.4	2.50	0.65	-9.83	-1.54	-1035.26	0.80
397	7	1.02	907.60	-1.36	0.0	0.0	3.66	0.83	-9.68	1.31	907.60	-164.65
		-164.65	-1022.10	0.09	0.0	199.4	3.66	0.83	-9.68	1.31	-1022.10	1.02
397	8	-0.09	216.28	-0.09	0.0	0.0	0.50	0.03	-2.30	0.27	216.28	-5.34
		-5.34	-241.92	0.07	0.0	199.4	0.50	0.03	-2.30	0.27	-241.92	-0.09
397	9	-0.09	216.28	-0.09	0.0	0.0	0.50	0.03	-2.30	0.27	216.28	-5.34
		-5.34	-241.92	0.07	0.0	199.4	0.50	0.03	-2.30	0.27	-241.92	-0.09
397	10	0.30	312.97	-0.28	0.0	0.0	0.85	0.24	-3.33	-0.49	312.97	-47.86
		-47.86	-351.12	-0.03	0.0	199.4	0.85	0.24	-3.33	-0.49	-351.12	0.30
397	11	0.36	306.66	-0.44	0.0	0.0	1.31	0.31	-3.27	0.44	306.66	-60.69
		-60.69	-345.88	0.03	0.0	199.4	1.31	0.31	-3.27	0.44	-345.88	0.36
397	12	-0.01	1.75	-2.61e-04	0.0	0.0	0.01	1.34e-03	-0.02	-7.84e-03	1.75	-0.28
		-0.28	-2.16	3.07e-04	0.0	199.4	0.01	1.34e-03	-0.02	-7.84e-03	-2.16	-0.01
397	13	2837.90	968.01	-3.93	-199.36	0.0	2.57	123.71	-10.24	3.10	968.01	-4814.10
		-4814.10	-1072.82	0.01	0.0	199.4	2.57	-75.65	-10.24	3.10	-1072.82	-23.34
398	1	551.76	207.27	0.37	10.49	0.0	-1.34	-8.01	1.94	0.01	-179.39	551.76
		-57.50	-179.39	-3.66e-03	0.0	199.4	0.89	2.48	1.94	0.01	207.27	0.95
398	2	1902.64	560.57	0.31	80.44	0.0	-4.76	-49.70	5.25	0.95	-485.11	1902.64
		-1158.34	-485.11	-9.79e-03	0.0	199.4	12.36	30.73	5.25	0.95	560.57	11.89
398	3	3721.97	1096.60	0.61	157.35	0.0	-9.31	-97.23	10.26	1.86	-948.98	3721.97
		-2265.97	-948.98	-0.02	0.0	199.4	24.17	60.12	10.26	1.86	1096.60	23.26
398	4	0.42	633.41	-0.24	0.0	0.0	-1.30	0.09	-6.72	0.92	633.41	-18.37
		-18.37	-707.24	0.22	0.0	199.4	-1.30	0.09	-6.72	0.92	-707.24	0.42
398	5	0.42	633.41	-0.24	0.0	0.0	-1.30	0.09	-6.72	0.92	633.41	-18.37
		-18.37	-707.24	0.22	0.0	199.4	-1.30	0.09	-6.72	0.92	-707.24	0.42
398	6	0.66	607.43	-0.93	0.0	0.0	1.61	0.70	-6.43	-1.58	607.43	-138.28

		-138.28	-674.61	-0.08	0.0	199.4	1.61	0.70	-6.43	-1.58	-674.61	0.66
398	7	0.76	711.63	-1.34	0.0	0.0	3.04	0.85	6.74	1.37	-632.43	-169.13
		-169.13	-632.43	0.08	0.0	199.4	3.04	0.85	6.74	1.37	711.63	0.76
398	8	0.13	201.72	-0.08	0.0	0.0	-0.42	0.03	-2.14	0.29	201.72	-5.84
		-5.84	-225.23	0.07	0.0	199.4	-0.42	0.03	-2.14	0.29	-225.23	0.13
398	9	0.13	201.72	-0.08	0.0	0.0	-0.42	0.03	-2.14	0.29	201.72	-5.84
		-5.84	-225.23	0.07	0.0	199.4	-0.42	0.03	-2.14	0.29	-225.23	0.13
398	10	0.24	204.34	-0.30	0.0	0.0	0.59	0.26	-2.17	-0.51	204.34	-51.31
		-51.31	-227.41	-0.03	0.0	199.4	0.59	0.26	-2.17	-0.51	-227.41	0.24
398	11	0.27	245.52	-0.43	0.0	0.0	1.11	0.31	2.32	0.45	-217.64	-62.46
		-62.46	-217.64	0.03	0.0	199.4	1.11	0.31	2.32	0.45	245.52	0.27
398	12	0.03	1.62	-6.55e-04	0.0	0.0	-4.44e-03	3.32e-03	-0.02	-5.31e-03	1.62	-0.64
		-0.64	-1.87	2.58e-04	0.0	199.4	-4.44e-03	3.32e-03	-0.02	-5.31e-03	-1.87	0.03
398	13	2868.44	937.50	-3.93	-199.36	0.0	-0.88	123.23	-9.91	-3.50	937.50	-4723.94
		-4723.94	-1038.62	0.01	0.0	199.4	-0.88	-76.13	-9.91	-3.50	-1038.62	-28.58
399	1	579.08	268.05	0.37	10.49	0.0	5.14	-8.13	2.65	-0.04	-259.95	579.08
		-48.45	-259.95	-3.79e-03	0.0	199.4	7.38	2.36	2.65	-0.04	268.05	3.91
399	2	1239.45	592.10	0.38	40.22	0.0	2.19	-26.24	5.84	0.50	-572.32	1239.45
		-463.85	-572.32	-8.37e-03	0.0	199.4	10.74	13.98	5.84	0.50	592.10	17.58
399	3	2424.63	1158.27	0.74	78.68	0.0	4.27	-51.33	11.43	0.98	-1119.57	2424.63
		-907.40	-1119.57	-0.02	0.0	199.4	21.01	27.35	11.43	0.98	1158.27	34.38
399	4	0.51	340.88	-0.19	0.0	0.0	-5.30	0.07	-3.40	1.14	340.88	-13.44
		-13.44	-337.51	0.22	0.0	199.4	-5.30	0.07	-3.40	1.14	-337.51	0.51
399	5	0.51	340.88	-0.19	0.0	0.0	-5.30	0.07	-3.40	1.14	340.88	-13.44
		-13.44	-337.51	0.22	0.0	199.4	-5.30	0.07	-3.40	1.14	-337.51	0.51
399	6	1.03	344.15	-0.97	0.0	0.0	6.72	0.80	3.40	-1.66	-332.88	-157.90
		-157.90	-332.88	-0.08	0.0	199.4	6.72	0.80	3.40	-1.66	344.15	1.03
399	7	1.39	482.81	-1.31	0.0	0.0	-7.71	0.94	4.76	1.44	-465.44	-185.80
		-185.80	-465.44	0.08	0.0	199.4	-7.71	0.94	4.76	1.44	482.81	1.39
399	8	0.16	108.44	-0.06	0.0	0.0	-1.70	0.02	-1.08	0.36	108.44	-4.28
		-4.28	-107.37	0.07	0.0	199.4	-1.70	0.02	-1.08	0.36	-107.37	0.16
399	9	0.16	108.44	-0.06	0.0	0.0	-1.70	0.02	-1.08	0.36	108.44	-4.28
		-4.28	-107.37	0.07	0.0	199.4	-1.70	0.02	-1.08	0.36	-107.37	0.16
399	10	0.38	124.68	-0.31	0.0	0.0	2.24	0.30	1.23	-0.54	-120.50	-58.72
		-58.72	-120.50	-0.03	0.0	199.4	2.24	0.30	1.23	-0.54	124.68	0.38
399	11	0.51	174.19	-0.42	0.0	0.0	-2.55	0.35	1.72	0.47	-167.91	-68.85
		-68.85	-167.91	0.03	0.0	199.4	-2.55	0.35	1.72	0.47	174.19	0.51
399	12	0.03	2.18	-5.08e-04	0.0	0.0	-1.17e-03	1.71e-03	-0.02	0.01	2.18	-0.31
		-0.31	-1.72	2.09e-04	0.0	199.4	-1.17e-03	1.71e-03	-0.02	0.01	-1.72	0.03
399	13	1154.59	547.82	-4.14	-99.68	0.0	-20.23	64.96	-5.55	-2.08	547.82	-3058.52
		-3058.52	-557.91	-7.44e-03	0.0	199.4	-20.23	-34.72	-5.55	-2.08	-557.91	-43.77
400	1	574.79	267.17	0.37	10.49	0.0	5.03	-8.11	-2.72	-0.42	267.17	574.79
		-49.36	-274.92	3.77e-03	0.0	199.4	7.26	2.39	-2.72	-0.42	-274.92	4.13
400	2	1227.46	593.00	0.37	40.22	0.0	1.63	-26.17	-6.05	-1.61	593.00	1227.46
		-467.70	-612.31	8.52e-03	0.0	199.4	10.18	14.05	-6.05	-1.61	-612.31	18.62
400	3	2401.17	1160.04	0.72	78.68	0.0	3.18	-51.20	-11.83	-3.15	1160.04	2401.17
		-914.92	-1197.80	0.02	0.0	199.4	19.92	27.48	-11.83	-3.15	-1197.80	36.43
400	4	9.80	382.83	-0.17	0.0	0.0	4.96	-0.05	-3.83	1.14	382.83	9.80
		-0.55	-380.44	0.22	0.0	199.4	4.96	-0.05	-3.83	1.14	-380.44	-0.55
400	5	9.80	382.83	-0.17	0.0	0.0	4.96	-0.05	-3.83	1.14	382.83	9.80
		-0.55	-380.44	0.22	0.0	199.4	4.96	-0.05	-3.83	1.14	-380.44	-0.55
400	6	0.94	442.33	-0.99	0.0	0.0	-9.92	0.79	-4.51	-1.68	442.33	-157.23
		-157.23	-457.20	-0.08	0.0	199.4	-9.92	0.79	-4.51	-1.68	-457.20	0.94
400	7	1.33	359.81	-1.29	0.0	0.0	-5.53	0.92	-3.67	1.46	359.81	-181.85
		-181.85	-372.76	0.08	0.0	199.4	-5.53	0.92	-3.67	1.46	-372.76	1.33
400	8	3.12	121.72	-0.05	0.0	0.0	1.59	-0.02	-1.22	0.36	121.72	3.12
		-0.18	-120.96	0.07	0.0	199.4	1.59	-0.02	-1.22	0.36	-120.96	-0.18
400	9	3.12	121.72	-0.05	0.0	0.0	1.59	-0.02	-1.22	0.36	121.72	3.12
		-0.18	-120.96	0.07	0.0	199.4	1.59	-0.02	-1.22	0.36	-120.96	-0.18
400	10	0.34	149.35	-0.32	0.0	0.0	-3.19	0.29	-1.52	-0.55	149.35	-58.45
		-58.45	-154.42	-0.03	0.0	199.4	-3.19	0.29	-1.52	-0.55	-154.42	0.34
400	11	0.48	125.85	-0.42	0.0	0.0	-1.87	0.34	-1.29	0.47	125.85	-67.37
		-67.37	-130.44	0.03	0.0	199.4	-1.87	0.34	-1.29	0.47	-130.44	0.48
400	12	0.19	1.95	-1.66e-04	0.0	0.0	-4.30e-03	-1.08e-03	-0.02	0.02	1.95	0.19
		-0.03	-1.48	1.88e-04	0.0	199.4	-4.30e-03	-1.08e-03	-0.02	0.02	-1.48	-0.03
400	13	1163.34	5.12	-4.13	-99.68	0.0	-33.28	64.81	0.07	3.21	-9.59	-3030.82
		-3030.82	-9.59	-2.18e-03	0.0	199.4	-33.28	-34.87	0.07	3.21	5.12	-46.39
401	1	526.90	207.31	0.34	10.49	0.0	-1.28	-7.88	-2.24	-0.37	207.31	526.90
		-63.38	-238.41	4.07e-03	0.0	199.4	0.95	2.61	-2.24	-0.37	-238.41	1.40
401	2	1832.49	558.52	0.25	80.44	0.0	-4.60	-49.34	-6.02	-1.81	558.52	1832.49
		-1183.86	-642.30	0.01	0.0	199.4	12.51	31.09	-6.02	-1.81	-642.30	13.16
401	3	3584.74	1092.57	0.49	157.35	0.0	-9.01	-96.53	-11.78	-3.54	1092.57	3584.74
		-2315.88	-1256.48	0.02	0.0	199.4	24.47	60.82	-11.78	-3.54	-1256.48	25.74
401	4	6.79	726.90	-0.11	0.0	0.0	1.54	-0.04	-7.72	0.99	726.90	6.79
		-0.44	-811.24	0.22	0.0	199.4	1.54	-0.04	-7.72	0.99	-811.24	-0.44
401	5	6.79	726.90	-0.11	0.0	0.0	1.54	-0.04	-7.72	0.99	726.90	6.79

		-0.44	-811.24	0.22	0.0	199.4	1.54	-0.04	-7.72	0.99	-811.24	-0.44
401	6	0.26	746.51	-1.04	0.0	0.0	2.50	0.69	-7.94	-1.73	746.51	-136.94
		-136.94	-837.22	-0.08	0.0	199.4	2.50	0.69	-7.94	-1.73	-837.22	0.26
401	7	0.63	446.90	-1.25	0.0	0.0	2.37	0.74	-4.77	1.50	446.90	-148.00
		-148.00	-504.87	0.08	0.0	199.4	2.37	0.74	-4.77	1.50	-504.87	0.63
401	8	2.16	231.14	-0.04	0.0	0.0	0.49	-0.01	-2.45	0.32	231.14	2.16
		-0.14	-257.96	0.07	0.0	199.4	0.49	-0.01	-2.45	0.32	-257.96	-0.14
401	9	2.16	231.14	-0.04	0.0	0.0	0.49	-0.01	-2.45	0.32	231.14	2.16
		-0.14	-257.96	0.07	0.0	199.4	0.49	-0.01	-2.45	0.32	-257.96	-0.14
401	10	0.09	245.37	-0.33	0.0	0.0	0.85	0.25	-2.61	-0.57	245.37	-50.70
		-50.70	-275.17	-0.03	0.0	199.4	0.85	0.25	-2.61	-0.57	-275.17	0.09
401	11	0.23	153.02	-0.40	0.0	0.0	0.85	0.27	-1.64	0.48	153.02	-54.53
		-54.53	-173.11	0.03	0.0	199.4	0.85	0.27	-1.64	0.48	-173.11	0.23
401	12	0.68	0.88	1.49e-04	0.0	0.0	6.01e-03	-3.54e-03	-9.93e-03	-1.03e-03	0.88	0.68
		-0.03	-1.10	1.31e-04	0.0	199.4	6.01e-03	-3.54e-03	-9.93e-03	-1.03e-03	-1.10	-0.03
401	13	2927.28	360.43	-3.87	-199.36	0.0	1.37	122.40	-3.81	3.97	360.43	-4561.69
		-4561.69	-399.40	5.50e-03	0.0	199.4	1.37	-76.96	-3.81	3.97	-399.40	-31.79
402	1	528.71	240.13	0.34	10.49	0.0	-1.30	-7.89	2.25	0.37	-209.05	528.71
		-63.07	-209.05	-4.12e-03	0.0	199.4	0.93	2.60	2.25	0.37	240.13	1.20
402	2	1838.53	650.90	0.25	80.44	0.0	-4.64	-49.38	6.11	1.84	-566.67	1838.53
		-1181.92	-566.67	-0.01	0.0	199.4	12.48	31.06	6.11	1.84	650.90	12.63
402	3	3596.56	1273.30	0.50	157.35	0.0	-9.07	-96.59	11.95	3.60	-1108.53	3596.56
		-2312.09	-1108.53	-0.02	0.0	199.4	24.41	60.76	11.95	3.60	1273.30	24.71
402	4	0.30	728.25	-0.06	0.0	0.0	-1.49	0.03	-7.73	1.01	728.25	-5.11
		-5.11	-812.57	0.22	0.0	199.4	-1.49	0.03	-7.73	1.01	-812.57	0.30
402	5	0.30	728.25	-0.06	0.0	0.0	-1.49	0.03	-7.73	1.01	728.25	-5.11
		-5.11	-812.57	0.22	0.0	199.4	-1.49	0.03	-7.73	1.01	-812.57	0.30
402	6	0.41	775.10	-1.09	0.0	0.0	1.93	0.69	7.36	-1.73	-692.90	-136.48
		-136.48	-692.90	-0.08	0.0	199.4	1.93	0.69	7.36	-1.73	775.10	0.41
402	7	0.59	752.89	-1.21	0.0	0.0	2.49	0.69	7.12	1.53	-666.61	-137.70
		-137.70	-666.61	0.08	0.0	199.4	2.49	0.69	7.12	1.53	752.89	0.59
402	8	0.10	231.56	-0.02	0.0	0.0	-0.47	8.57e-03	-2.46	0.32	231.56	-1.63
		-1.63	-258.37	0.07	0.0	199.4	-0.47	8.57e-03	-2.46	0.32	-258.37	0.10
402	9	0.10	231.56	-0.02	0.0	0.0	-0.47	8.57e-03	-2.46	0.32	231.56	-1.63
		-1.63	-258.37	0.07	0.0	199.4	-0.47	8.57e-03	-2.46	0.32	-258.37	0.10
402	10	0.14	281.75	-0.35	0.0	0.0	0.71	0.25	2.67	-0.57	-251.49	-50.41
		-50.41	-251.49	-0.03	0.0	199.4	0.71	0.25	2.67	-0.57	281.75	0.14
402	11	0.21	261.34	-0.39	0.0	0.0	0.87	0.25	2.47	0.50	-231.37	-50.66
		-50.66	-231.37	0.03	0.0	199.4	0.87	0.25	2.47	0.50	261.34	0.21
402	12	0.35	0.72	-8.67e-05	0.0	0.0	4.24e-04	-1.78e-03	-7.43e-03	-6.70e-03	0.72	0.35
		-1.64e-03	-0.76	7.18e-05	0.0	199.4	4.24e-04	-1.78e-03	-7.43e-03	-6.70e-03	-0.76	-1.64e-03
402	13	2922.55	332.13	-3.89	-199.36	0.0	0.22	122.48	-3.51	-4.75	332.13	-4576.30
		-4576.30	-367.82	5.70e-03	0.0	199.4	0.22	-76.88	-3.51	-4.75	-367.82	-30.59
403	1	575.41	281.24	0.37	10.49	0.0	5.03	-8.12	2.78	0.25	-272.79	575.41
		-49.55	-272.79	-3.90e-03	0.0	199.4	7.27	2.38	2.78	0.25	281.24	3.66
403	2	1231.69	628.82	0.36	40.22	0.0	1.97	-26.20	6.20	1.22	-608.07	1231.69
		-467.18	-608.07	-8.75e-03	0.0	199.4	10.53	14.02	6.20	1.22	628.82	16.92
403	3	2409.45	1230.10	0.71	78.68	0.0	3.86	-51.26	12.14	2.38	-1189.51	2409.45
		-913.90	-1189.51	-0.02	0.0	199.4	20.60	27.42	12.14	2.38	1230.10	33.09
403	4	0.47	386.25	-0.05	0.0	0.0	-5.37	0.02	-3.87	1.16	386.25	-2.96
		-2.96	-384.74	0.22	0.0	199.4	-5.37	0.02	-3.87	1.16	-384.74	0.47
403	5	0.47	386.25	-0.05	0.0	0.0	-5.37	0.02	-3.87	1.16	386.25	-2.96
		-2.96	-384.74	0.22	0.0	199.4	-5.37	0.02	-3.87	1.16	-384.74	0.47
403	6	1.13	416.54	-1.14	0.0	0.0	6.33	0.78	4.11	-1.65	-402.17	-154.94
		-154.94	-402.17	-0.08	0.0	199.4	6.33	0.78	4.11	-1.65	416.54	1.13
403	7	1.14	466.86	-1.16	0.0	0.0	-8.58	0.78	4.60	1.60	-450.15	-154.92
		-154.92	-450.15	0.08	0.0	199.4	-8.58	0.78	4.60	1.60	466.86	1.14
403	8	0.15	122.81	-0.01	0.0	0.0	-1.72	5.45e-03	-1.23	0.37	122.81	-0.94
		-0.94	-122.33	0.07	0.0	199.4	-1.72	5.45e-03	-1.23	0.37	-122.33	0.15
403	9	0.15	122.81	-0.01	0.0	0.0	-1.72	5.45e-03	-1.23	0.37	122.81	-0.94
		-0.94	-122.33	0.07	0.0	199.4	-1.72	5.45e-03	-1.23	0.37	-122.33	0.15
403	10	0.41	154.79	-0.37	0.0	0.0	2.21	0.29	1.53	-0.54	-149.45	-57.31
		-57.31	-149.45	-0.03	0.0	199.4	2.21	0.29	1.53	-0.54	154.79	0.41
403	11	0.41	164.00	-0.37	0.0	0.0	-2.77	0.29	1.62	0.52	-158.13	-57.27
		-57.27	-158.13	0.03	0.0	199.4	-2.77	0.29	1.62	0.52	164.00	0.41
403	12	0.01	0.26	-3.47e-04	0.0	0.0	-1.81e-03	3.10e-04	-2.63e-03	-2.12e-03	0.26	-0.05
		-0.05	-0.27	1.34e-05	0.0	199.4	-1.81e-03	3.10e-04	-2.63e-03	-2.12e-03	-0.27	0.01
403	13	1161.66	300.79	-4.17	-99.68	0.0	-26.89	64.89	-3.04	-3.02	300.79	-3042.12
		-3042.12	-304.42	4.64e-03	0.0	199.4	-26.89	-34.79	-3.04	-3.02	-304.42	-42.29
404	1	575.51	269.41	0.37	10.49	0.0	5.23	-8.12	-2.74	-0.25	269.41	575.51
		-49.44	-277.25	3.87e-03	0.0	199.4	7.46	2.38	-2.74	-0.25	-277.25	3.79
404	2	1232.27	600.23	0.36	40.22	0.0	2.13	-26.20	-6.12	-1.19	600.23	1232.27
		-466.47	-619.80	8.75e-03	0.0	199.4	10.69	14.02	-6.12	-1.19	-619.80	17.70
404	3	2410.58	1174.18	0.71	78.68	0.0	4.17	-51.26	-11.97	-2.32	1174.18	2410.58
		-912.52	-1212.47	0.02	0.0	199.4	20.90	27.42	-11.97	-2.32	-1212.47	34.62
404	4	2.90	379.59	0.05	0.0	0.0	5.44	-0.02	-3.80	1.17	379.59	2.90

		-0.47	-377.42	0.22	0.0	199.4	5.44	-0.02	-3.80	1.17	-377.42	-0.47
404	5	2.90	379.59	0.05	0.0	0.0	5.44	-0.02	-3.80	1.17	379.59	2.90
		-0.47	-377.42	0.22	0.0	199.4	5.44	-0.02	-3.80	1.17	-377.42	-0.47
404	6	1.16	443.09	-1.16	0.0	0.0	-8.88	0.78	-4.53	-1.60	443.09	-154.52
		-154.52	-459.11	-0.08	0.0	199.4	-8.88	0.78	-4.53	-1.60	-459.11	1.16
404	7	1.15	394.96	-1.14	0.0	0.0	6.52	0.78	-4.03	1.65	394.96	-155.00
		-155.00	-408.67	0.08	0.0	199.4	6.52	0.78	-4.03	1.65	-408.67	1.15
404	8	0.92	120.69	0.01	0.0	0.0	1.74	-5.36e-03	-1.21	0.37	120.69	0.92
		-0.15	-120.00	0.07	0.0	199.4	1.74	-5.36e-03	-1.21	0.37	-120.00	-0.15
404	9	0.92	120.69	0.01	0.0	0.0	1.74	-5.36e-03	-1.21	0.37	120.69	0.92
		-0.15	-120.00	0.07	0.0	199.4	1.74	-5.36e-03	-1.21	0.37	-120.00	-0.15
404	10	0.42	155.62	-0.37	0.0	0.0	-2.87	0.29	-1.59	-0.53	155.62	-57.12
		-57.12	-161.25	-0.03	0.0	199.4	-2.87	0.29	-1.59	-0.53	-161.25	0.42
404	11	0.42	146.74	-0.37	0.0	0.0	2.27	0.29	-1.50	0.54	146.74	-57.34
		-57.34	-151.83	0.03	0.0	199.4	2.27	0.29	-1.50	0.54	-151.83	0.42
404	12	0.01	0.26	-3.48e-04	0.0	0.0	-2.34e-03	3.15e-04	2.61e-03	2.06e-03	-0.26	-0.05
		-0.05	-0.26	-1.31e-05	0.0	199.4	-2.34e-03	3.15e-04	2.61e-03	2.06e-03	0.26	0.01
404	13	1159.95	298.53	-4.17	-99.68	0.0	-27.70	64.88	2.98	2.95	-295.86	-3043.40
		-3043.40	-295.86	4.03e-03	0.0	199.4	-27.70	-34.80	2.98	2.95	298.53	-44.25
405	1	529.01	210.98	0.34	10.49	0.0	-1.28	-7.89	-2.27	-0.37	210.98	529.01
		-63.01	-242.37	4.20e-03	0.0	199.4	0.95	2.60	-2.27	-0.37	-242.37	1.19
405	2	1839.70	571.49	0.25	80.44	0.0	-4.60	-49.38	-6.16	-1.86	571.49	1839.70
		-1181.52	-656.44	0.01	0.0	199.4	12.52	31.05	-6.16	-1.86	-656.44	12.58
405	3	3598.85	1117.96	0.50	157.35	0.0	-9.00	-96.60	-12.05	-3.64	1117.96	3598.85
		-2311.30	-1284.13	0.02	0.0	199.4	24.48	60.75	-12.05	-3.64	-1284.13	24.61
405	4	5.14	728.32	0.06	0.0	0.0	1.52	-0.03	-7.73	1.01	728.32	5.14
		-0.30	-812.78	0.22	0.0	199.4	1.52	-0.03	-7.73	1.01	-812.78	-0.30
405	5	5.14	728.32	0.06	0.0	0.0	1.52	-0.03	-7.73	1.01	728.32	5.14
		-0.30	-812.78	0.22	0.0	199.4	1.52	-0.03	-7.73	1.01	-812.78	-0.30
405	6	0.61	668.86	-1.21	0.0	0.0	2.50	0.69	-7.14	-1.53	668.86	-137.01
		-137.01	-755.48	-0.08	0.0	199.4	2.50	0.69	-7.14	-1.53	-755.48	0.61
405	7	0.41	692.46	-1.09	0.0	0.0	1.93	0.68	-7.36	1.73	692.46	-135.41
		-135.41	-774.70	0.08	0.0	199.4	1.93	0.68	-7.36	1.73	-774.70	0.41
405	8	1.64	231.58	0.02	0.0	0.0	0.48	-8.62e-03	-2.46	0.32	231.58	1.64
		-0.10	-258.44	0.07	0.0	199.4	0.48	-8.62e-03	-2.46	0.32	-258.44	-0.10
405	9	1.64	231.58	0.02	0.0	0.0	0.48	-8.62e-03	-2.46	0.32	231.58	1.64
		-0.10	-258.44	0.07	0.0	199.4	0.48	-8.62e-03	-2.46	0.32	-258.44	-0.10
405	10	0.22	232.13	-0.39	0.0	0.0	0.87	0.25	-2.48	-0.50	232.13	-50.39
		-50.39	-262.22	-0.03	0.0	199.4	0.87	0.25	-2.48	-0.50	-262.22	0.22
405	11	0.14	251.39	-0.35	0.0	0.0	0.71	0.25	-2.67	0.57	251.39	-50.00
		-50.00	-281.67	0.03	0.0	199.4	0.71	0.25	-2.67	0.57	-281.67	0.14
405	12	0.35	0.76	-8.87e-05	0.0	0.0	4.70e-04	-1.76e-03	7.42e-03	6.71e-03	-0.72	0.35
		-1.49e-03	-0.72	-7.16e-05	0.0	199.4	4.70e-04	-1.76e-03	7.42e-03	6.71e-03	0.76	-1.49e-03
405	13	2921.61	362.99	-3.89	-199.36	0.0	0.20	122.50	3.46	4.79	-327.58	-4579.01
		-4579.01	-327.58	-4.34e-03	0.0	199.4	0.20	-76.87	3.46	4.79	362.99	-30.46
406	1	526.62	236.18	0.34	10.49	0.0	-1.30	-7.88	2.21	0.37	-205.38	526.62
		-63.44	-205.38	-3.99e-03	0.0	199.4	0.93	2.61	2.21	0.37	236.18	1.42
406	2	1831.41	636.76	0.25	80.44	0.0	-4.64	-49.34	5.97	1.79	-553.69	1831.41
		-1184.24	-553.69	-0.01	0.0	199.4	12.47	31.10	5.97	1.79	636.76	13.20
406	3	3582.62	1245.64	0.49	157.35	0.0	-9.08	-96.52	11.68	3.50	-1083.13	3582.62
		-2316.62	-1083.13	-0.02	0.0	199.4	24.40	60.84	11.68	3.50	1245.64	25.83
406	4	0.44	726.77	0.11	0.0	0.0	-1.51	0.04	-7.71	0.99	726.77	-6.77
		-6.77	-810.95	0.22	0.0	199.4	-1.51	0.04	-7.71	0.99	-810.95	0.44
406	5	0.44	726.77	0.11	0.0	0.0	-1.51	0.04	-7.71	0.99	726.77	-6.77
		-6.77	-810.95	0.22	0.0	199.4	-1.51	0.04	-7.71	0.99	-810.95	0.44
406	6	0.64	502.45	-1.25	0.0	0.0	2.36	0.74	4.75	-1.50	-444.85	-147.56
		-147.56	-444.85	-0.08	0.0	199.4	2.36	0.74	4.75	-1.50	502.45	0.64
406	7	0.26	834.49	-1.04	0.0	0.0	2.49	0.68	7.92	1.74	-744.17	-135.71
		-135.71	-744.17	0.08	0.0	199.4	2.49	0.68	7.92	1.74	834.49	0.26
406	8	0.14	231.10	0.04	0.0	0.0	-0.48	0.01	-2.45	0.32	231.10	-2.16
		-2.16	-257.87	0.07	0.0	199.4	-0.48	0.01	-2.45	0.32	-257.87	0.14
406	9	0.14	231.10	0.04	0.0	0.0	-0.48	0.01	-2.45	0.32	231.10	-2.16
		-2.16	-257.87	0.07	0.0	199.4	-0.48	0.01	-2.45	0.32	-257.87	0.14
406	10	0.23	172.27	-0.40	0.0	0.0	0.85	0.27	1.63	-0.48	-152.32	-54.36
		-54.36	-152.32	-0.03	0.0	199.4	0.85	0.27	1.63	-0.48	172.27	0.23
406	11	0.09	274.32	-0.33	0.0	0.0	0.85	0.25	2.60	0.57	-244.64	-50.22
		-50.22	-244.64	0.03	0.0	199.4	0.85	0.25	2.60	0.57	274.32	0.09
406	12	0.68	1.10	1.49e-04	0.0	0.0	5.80e-03	-3.54e-03	9.89e-03	1.09e-03	-0.88	0.68
		-0.03	-0.88	-1.30e-04	0.0	199.4	5.80e-03	-3.54e-03	9.89e-03	1.09e-03	1.10	-0.03
406	13	2928.14	395.03	-3.87	-199.36	0.0	1.39	122.39	3.77	-3.92	-356.36	-4559.19
		-4559.19	-356.36	4.28e-03	0.0	199.4	1.39	-76.97	3.77	-3.92	395.03	-31.90
407	1	574.64	278.87	0.37	10.49	0.0	4.84	-8.11	2.76	0.43	-270.53	574.64
		-49.49	-270.53	-3.80e-03	0.0	199.4	7.07	2.39	2.76	0.43	278.87	4.00
407	2	1226.76	621.22	0.37	40.22	0.0	1.49	-26.17	6.13	1.64	-600.76	1226.76
		-468.45	-600.76	-8.52e-03	0.0	199.4	10.05	14.05	6.13	1.64	621.22	17.84
407	3	2399.81	1215.24	0.72	78.68	0.0	2.91	-51.20	11.99	3.20	-1175.21	2399.81

		-916.38	-1175.21	-0.02	0.0	199.4	19.65	27.48	11.99	3.20	1215.24	34.90
407	4	0.55	389.57	0.16	0.0	0.0	-4.91	0.05	-3.90	1.14	389.57	-9.79
		-9.79	-387.86	0.22	0.0	199.4	-4.91	0.05	-3.90	1.14	-387.86	0.55
407	5	0.55	389.57	0.16	0.0	0.0	-4.91	0.05	-3.90	1.14	389.57	-9.79
		-9.79	-387.86	0.22	0.0	199.4	-4.91	0.05	-3.90	1.14	-387.86	0.55
407	6	1.31	378.60	-1.29	0.0	0.0	-5.34	0.92	3.73	-1.46	-365.06	-181.92
		-181.92	-365.06	-0.08	0.0	199.4	-5.34	0.92	3.73	-1.46	378.60	1.31
407	7	0.92	464.47	-0.99	0.0	0.0	-9.57	0.79	4.58	1.68	-448.96	-157.36
		-157.36	-448.96	0.08	0.0	199.4	-9.57	0.79	4.58	1.68	464.47	0.92
407	8	0.18	123.87	0.05	0.0	0.0	-1.58	0.02	-1.24	0.36	123.87	-3.11
		-3.11	-123.32	0.07	0.0	199.4	-1.58	0.02	-1.24	0.36	-123.32	0.18
407	9	0.18	123.87	0.05	0.0	0.0	-1.58	0.02	-1.24	0.36	123.87	-3.11
		-3.11	-123.32	0.07	0.0	199.4	-1.58	0.02	-1.24	0.36	-123.32	0.18
407	10	0.48	132.52	-0.42	0.0	0.0	-1.80	0.34	1.31	-0.47	-127.72	-67.39
		-67.39	-127.72	-0.03	0.0	199.4	-1.80	0.34	1.31	-0.47	132.52	0.48
407	11	0.34	156.92	-0.32	0.0	0.0	-3.08	0.30	1.55	0.55	-151.62	-58.50
		-58.50	-151.62	0.03	0.0	199.4	-3.08	0.30	1.55	0.55	156.92	0.34
407	12	0.20	1.50	-1.61e-04	0.0	0.0	6.36e-04	-1.11e-03	0.02	-0.02	-1.97	0.20
		-0.03	-1.97	-1.88e-04	0.0	199.4	6.36e-04	-1.11e-03	0.02	-0.02	1.50	-0.03
407	13	1165.15	10.01	-4.13	-99.68	0.0	-32.31	64.81	-0.08	-3.27	10.01	-3029.27
		-3029.27	-6.10	3.90e-03	0.0	199.4	-32.31	-34.87	-0.08	-3.27	-6.10	-44.42
408	1	579.10	256.77	0.37	10.49	0.0	5.34	-8.13	-2.61	0.04	256.77	579.10
		-48.36	-264.29	3.77e-03	0.0	199.4	7.57	2.36	-2.61	0.04	-264.29	4.03
408	2	1239.79	565.05	0.38	40.22	0.0	2.35	-26.24	-5.76	-0.47	565.05	1239.79
		-463.23	-583.71	8.38e-03	0.0	199.4	10.90	13.98	-5.76	-0.47	-583.71	18.36
408	3	2425.30	1105.35	0.74	78.68	0.0	4.59	-51.32	-11.27	-0.92	1105.35	2425.30
		-906.18	-1141.85	0.02	0.0	199.4	21.33	27.35	-11.27	-0.92	-1141.85	35.93
408	4	13.39	334.94	0.19	0.0	0.0	5.32	-0.07	-3.34	1.14	334.94	13.39
		-0.51	-330.97	0.22	0.0	199.4	5.32	-0.07	-3.34	1.14	-330.97	-0.51
408	5	13.39	334.94	0.19	0.0	0.0	5.32	-0.07	-3.34	1.14	334.94	13.39
		-0.51	-330.97	0.22	0.0	199.4	5.32	-0.07	-3.34	1.14	-330.97	-0.51
408	6	1.42	457.57	-1.31	0.0	0.0	-7.97	0.94	-4.67	-1.43	457.57	-186.02
		-186.02	-474.20	-0.08	0.0	199.4	-7.97	0.94	-4.67	-1.43	-474.20	1.42
408	7	1.06	327.83	-0.97	0.0	0.0	6.95	0.80	-3.34	1.66	327.83	-158.55
		-158.55	-338.62	0.08	0.0	199.4	6.95	0.80	-3.34	1.66	-338.62	1.06
408	8	4.26	106.55	0.06	0.0	0.0	1.71	-0.02	-1.06	0.36	106.55	4.26
		-0.16	-105.29	0.07	0.0	199.4	1.71	-0.02	-1.06	0.36	-105.29	-0.16
408	9	4.26	106.55	0.06	0.0	0.0	1.71	-0.02	-1.06	0.36	106.55	4.26
		-0.16	-105.29	0.07	0.0	199.4	1.71	-0.02	-1.06	0.36	-105.29	-0.16
408	10	0.52	165.07	-0.42	0.0	0.0	-2.63	0.35	-1.69	-0.47	165.07	-68.94
		-68.94	-171.07	-0.03	0.0	199.4	-2.63	0.35	-1.69	-0.47	-171.07	0.52
408	11	0.39	118.69	-0.31	0.0	0.0	2.32	0.30	-1.21	0.54	118.69	-58.97
		-58.97	-122.69	0.03	0.0	199.4	2.32	0.30	-1.21	0.54	-122.69	0.39
408	12	0.03	1.70	-5.04e-04	0.0	0.0	2.85e-03	1.68e-03	0.02	-0.01	-2.16	-0.30
		-0.30	-2.16	-2.09e-04	0.0	199.4	2.85e-03	1.68e-03	0.02	-0.01	1.70	0.03
408	13	1153.07	548.78	-4.14	-99.68	0.0	-20.81	64.96	5.46	2.02	-539.91	-3059.27
		-3059.27	-539.91	7.78e-03	0.0	199.4	-20.81	-34.73	5.46	2.02	548.78	-45.74
409	1	551.93	181.37	0.37	10.49	0.0	-1.33	-8.01	-1.96	-0.01	181.37	551.93
		-57.47	-209.55	3.74e-03	0.0	199.4	0.91	2.48	-1.96	-0.01	-209.55	0.94
409	2	1903.45	490.07	0.31	80.44	0.0	-4.72	-49.71	-5.30	-0.97	490.07	1903.45
		-1158.07	-566.25	0.01	0.0	199.4	12.39	30.73	-5.30	-0.97	-566.25	11.85
409	3	3723.54	958.68	0.61	157.35	0.0	-9.23	-97.24	-10.36	-1.89	958.68	3723.54
		-2265.43	-1107.70	0.02	0.0	199.4	24.24	60.12	-10.36	-1.89	-1107.70	23.18
409	4	18.38	633.61	0.24	0.0	0.0	1.33	-0.09	-6.73	0.92	633.61	18.38
		-0.42	-707.60	0.22	0.0	199.4	1.33	-0.09	-6.73	0.92	-707.60	-0.42
409	5	18.38	633.61	0.24	0.0	0.0	1.33	-0.09	-6.73	0.92	633.61	18.38
		-0.42	-707.60	0.22	0.0	199.4	1.33	-0.09	-6.73	0.92	-707.60	-0.42
409	6	0.75	632.42	-1.34	0.0	0.0	3.05	0.85	-6.74	-1.37	632.42	-169.46
		-169.46	-711.78	-0.08	0.0	199.4	3.05	0.85	-6.74	-1.37	-711.78	0.75
409	7	0.66	672.61	-0.93	0.0	0.0	1.63	0.70	6.41	1.58	-605.53	-139.45
		-139.45	-605.53	0.08	0.0	199.4	1.63	0.70	6.41	1.58	672.61	0.66
409	8	5.84	201.78	0.07	0.0	0.0	0.42	-0.03	-2.14	0.29	201.78	5.84
		-0.13	-225.34	0.07	0.0	199.4	0.42	-0.03	-2.14	0.29	-225.34	-0.13
409	9	5.84	201.78	0.07	0.0	0.0	0.42	-0.03	-2.14	0.29	201.78	5.84
		-0.13	-225.34	0.07	0.0	199.4	0.42	-0.03	-2.14	0.29	-225.34	-0.13
409	10	0.27	217.70	-0.43	0.0	0.0	1.12	0.32	-2.32	-0.45	217.70	-62.59
		-62.59	-245.64	-0.03	0.0	199.4	1.12	0.32	-2.32	-0.45	-245.64	0.27
409	11	0.25	226.81	-0.30	0.0	0.0	0.60	0.26	2.16	0.51	-203.77	-51.76
		-51.76	-203.77	0.03	0.0	199.4	0.60	0.26	2.16	0.51	226.81	0.25
409	12	0.03	1.87	-6.57e-04	0.0	0.0	-4.56e-03	3.33e-03	0.02	5.25e-03	-1.62	-0.64
		-0.64	-1.62	-2.58e-04	0.0	199.4	-4.56e-03	3.33e-03	0.02	5.25e-03	1.87	0.03
409	13	2867.81	1036.09	-3.93	-199.36	0.0	-0.92	123.24	9.89	3.54	-934.99	-4725.78
		-4725.78	-934.99	-0.01	0.0	199.4	-0.92	-76.12	9.89	3.54	1036.09	-28.48
410	1	566.03	268.63	0.38	10.49	0.0	-1.27	-8.09	2.52	0.42	-234.69	566.03
		-54.49	-234.69	-4.45e-03	0.0	199.4	0.96	2.41	2.52	0.42	268.63	0.21
410	2	1940.47	726.10	0.34	80.44	0.0	-4.55	-49.90	6.82	1.86	-634.40	1940.47

		-1145.45	-634.40	-0.01	0.0	199.4	12.56	30.53	6.82	1.86	726.10	9.83
410	3	3795.97	1420.40	0.66	157.35	0.0	-8.91	-97.62	13.35	3.64	-1241.03	3795.97
		-2240.74	-1241.03	-0.02	0.0	199.4	24.57	59.73	13.35	3.64	1420.40	19.22
410	4	16.81	679.02	0.28	0.0	0.0	-1.55	-0.08	-7.21	0.85	679.02	16.81
		0.29	-759.35	0.22	0.0	199.4	-1.55	-0.08	-7.21	0.85	-759.35	0.29
410	5	16.81	679.02	0.28	0.0	0.0	-1.55	-0.08	-7.21	0.85	679.02	16.81
		0.29	-759.35	0.22	0.0	199.4	-1.55	-0.08	-7.21	0.85	-759.35	0.29
410	6	1.02	1020.43	-1.36	0.0	0.0	3.65	0.83	9.66	-1.31	-906.20	-164.83
		-164.83	-906.20	-0.08	0.0	199.4	3.65	0.83	9.66	-1.31	1020.43	1.02
410	7	0.80	1034.16	-0.88	0.0	0.0	2.48	0.66	9.81	1.54	-922.61	-129.96
		-129.96	-922.61	0.08	0.0	199.4	2.48	0.66	9.81	1.54	1034.16	0.80
410	8	5.34	216.24	0.09	0.0	0.0	-0.49	-0.03	-2.30	0.27	216.24	5.34
		0.09	-241.82	0.07	0.0	199.4	-0.49	-0.03	-2.30	0.27	-241.82	0.09
410	9	5.34	216.24	0.09	0.0	0.0	-0.49	-0.03	-2.30	0.27	216.24	5.34
		0.09	-241.82	0.07	0.0	199.4	-0.49	-0.03	-2.30	0.27	-241.82	0.09
410	10	0.37	345.32	-0.44	0.0	0.0	1.31	0.31	3.27	-0.44	-306.19	-60.76
		-60.76	-306.19	-0.03	0.0	199.4	1.31	0.31	3.27	-0.44	345.32	0.37
410	11	0.30	350.89	-0.28	0.0	0.0	0.85	0.24	3.33	0.50	-312.78	-48.16
		-48.16	-312.78	0.03	0.0	199.4	0.85	0.24	3.33	0.50	350.89	0.30
410	12	-0.01	2.15	-2.63e-04	0.0	0.0	0.01	1.36e-03	0.02	7.87e-03	-1.74	-0.28
		-0.28	-1.74	-3.07e-04	0.0	199.4	0.01	1.36e-03	0.02	7.87e-03	2.15	-0.01
410	13	2838.85	1071.66	-3.92	-199.36	0.0	2.58	123.70	10.23	-3.07	-966.85	-4811.32
		-4811.32	-966.85	-0.01	0.0	199.4	2.58	-75.67	10.23	-3.07	1071.66	-23.50
411	1	602.29	293.94	0.39	10.49	0.0	5.38	-8.26	2.90	-0.24	-285.16	602.29
		-44.31	-285.16	-3.95e-03	0.0	199.4	7.61	2.24	2.90	-0.24	293.94	2.62
411	2	1290.74	662.19	0.41	40.22	0.0	2.81	-26.51	6.53	-0.28	-640.51	1290.74
		-448.31	-640.51	-8.98e-03	0.0	199.4	11.37	13.71	6.53	-0.28	662.19	14.07
411	3	2524.96	1295.38	0.81	78.68	0.0	5.50	-51.87	12.78	-0.56	-1252.98	2524.96
		-876.98	-1252.98	-0.02	0.0	199.4	22.24	26.81	12.78	-0.56	1295.38	27.52
411	4	17.55	389.15	0.32	0.0	0.0	-4.36	-0.09	-3.90	0.90	389.15	17.55
		0.37	-387.55	0.22	0.0	199.4	-4.36	-0.09	-3.90	0.90	-387.55	0.37
411	5	17.55	389.15	0.32	0.0	0.0	-4.36	-0.09	-3.90	0.90	389.15	17.55
		0.37	-387.55	0.22	0.0	199.4	-4.36	-0.09	-3.90	0.90	-387.55	0.37
411	6	1.72	652.25	-1.37	0.0	0.0	-8.86	0.86	6.44	1.24	-631.22	-169.16
		-169.16	-631.22	-0.08	0.0	199.4	-8.86	0.86	6.44	1.24	652.25	1.72
411	7	1.23	551.32	-0.83	0.0	0.0	-10.28	0.66	5.44	1.61	-533.86	-130.26
		-130.26	-533.86	0.08	0.0	199.4	-10.28	0.66	5.44	1.61	551.32	1.23
411	8	5.58	123.80	0.10	0.0	0.0	-1.41	-0.03	-1.24	0.29	123.80	5.58
		0.12	-123.30	0.07	0.0	199.4	-1.41	-0.03	-1.24	0.29	-123.30	0.12
411	9	5.58	123.80	0.10	0.0	0.0	-1.41	-0.03	-1.24	0.29	123.80	5.58
		0.12	-123.30	0.07	0.0	199.4	-1.41	-0.03	-1.24	0.29	-123.30	0.12
411	10	0.62	225.66	-0.44	0.0	0.0	-3.07	0.32	2.23	0.43	-218.30	-62.43
		-62.43	-218.30	-0.03	0.0	199.4	-3.07	0.32	2.23	0.43	225.66	0.62
411	11	0.45	192.21	-0.27	0.0	0.0	-3.40	0.24	1.90	0.53	-186.06	-48.29
		-48.29	-186.06	0.03	0.0	199.4	-3.40	0.24	1.90	0.53	192.21	0.45
411	12	-0.02	2.74	-1.38e-04	0.0	0.0	-0.03	4.50e-04	0.03	-5.39e-03	-3.66	-0.11
		-0.11	-3.66	-3.56e-04	0.0	199.4	-0.03	4.50e-04	0.03	-5.39e-03	2.74	-0.02
411	13	1119.49	244.15	-4.03	-99.68	0.0	-42.93	65.57	2.40	2.53	-234.80	-3171.62
		-3171.62	-234.80	6.68e-03	0.0	199.4	-42.93	-34.11	2.40	2.53	244.15	-35.19
412	1	587.72	321.16	0.38	10.49	0.0	5.35	-8.18	-3.27	-1.03	321.16	587.72
		-47.14	-330.45	4.75e-03	0.0	199.4	7.58	2.31	-3.27	-1.03	-330.45	2.78
412	2	1239.82	726.84	0.38	40.22	0.0	2.28	-26.25	-7.41	-3.48	726.84	1239.82
		-465.07	-750.00	0.01	0.0	199.4	10.83	13.97	-7.41	-3.48	-750.00	15.42
412	3	2425.34	1421.86	0.74	78.68	0.0	4.45	-51.35	-14.49	-6.81	1421.86	2425.34
		-909.77	-1467.16	0.02	0.0	199.4	21.19	27.32	-14.49	-6.81	-1467.16	30.16
412	4	18.48	299.72	0.33	0.0	0.0	4.88	-0.10	-2.98	0.82	299.72	18.48
		-0.71	-294.44	0.22	0.0	199.4	4.88	-0.10	-2.98	0.82	-294.44	-0.71
412	5	18.48	299.72	0.33	0.0	0.0	4.88	-0.10	-2.98	0.82	299.72	18.48
		-0.71	-294.44	0.22	0.0	199.4	4.88	-0.10	-2.98	0.82	-294.44	-0.71
412	6	1.69	288.32	-1.37	0.0	0.0	-5.87	0.80	-2.94	1.22	288.32	-158.36
		-158.36	-296.86	-0.08	0.0	199.4	-5.87	0.80	-2.94	1.22	-296.86	1.69
412	7	1.20	235.09	-0.81	0.0	0.0	6.69	0.62	-2.39	1.65	235.09	-121.46
		-121.46	-241.26	0.08	0.0	199.4	6.69	0.62	-2.39	1.65	-241.26	1.20
412	8	5.88	95.36	0.11	0.0	0.0	1.57	-0.03	-0.95	0.26	95.36	5.88
		-0.23	-93.69	0.07	0.0	199.4	1.57	-0.03	-0.95	0.26	-93.69	-0.23
412	9	5.88	95.36	0.11	0.0	0.0	1.57	-0.03	-0.95	0.26	95.36	5.88
		-0.23	-93.69	0.07	0.0	199.4	1.57	-0.03	-0.95	0.26	-93.69	-0.23
412	10	0.61	100.99	-0.44	0.0	0.0	-1.94	0.30	-1.03	0.42	100.99	-58.37
		-58.37	-104.13	-0.03	0.0	199.4	-1.94	0.30	-1.03	0.42	-104.13	0.61
412	11	0.44	81.81	-0.26	0.0	0.0	2.17	0.23	-0.83	0.55	81.81	-44.99
		-44.99	-84.09	0.03	0.0	199.4	2.17	0.23	-0.83	0.55	-84.09	0.44
412	12	0.08	4.50	-2.28e-04	0.0	0.0	0.03	1.09e-03	0.05	6.30e-03	-5.39	-0.13
		-0.13	-5.39	-3.73e-04	0.0	199.4	0.03	1.09e-03	0.05	6.30e-03	4.50	0.08
412	13	1161.74	1473.62	-3.90	-99.68	0.0	-11.17	64.94	14.62	10.48	-1440.41	-3047.90
		-3047.90	-1440.41	0.02	0.0	199.4	-11.17	-34.75	14.62	10.48	1473.62	-38.70
413	1	477.75	327.11	0.31	10.49	0.0	-1.12	-7.64	-3.50	-1.65	327.11	477.75

		-76.28	-370.53	6.38e-03	0.0	199.4	1.11	2.85	-3.50	-1.65	-370.53	0.59
413	2	1641.08	857.50	0.16	80.44	0.0	-4.21	-48.38	-9.18	-5.01	857.50	1641.08
		-1255.71	-972.13	0.02	0.0	199.4	12.91	32.05	-9.18	-5.01	-972.13	13.04
413	3	3210.31	1677.46	0.32	157.35	0.0	-8.23	-94.65	-17.95	-9.80	1677.46	3210.31
		-2456.43	-1901.69	0.03	0.0	199.4	25.25	62.70	-17.95	-9.80	-1901.69	25.52
413	4	-0.25	575.19	0.36	0.0	0.0	1.13	0.06	-6.10	0.54	575.19	-11.91
		-11.91	-640.56	0.22	0.0	199.4	1.13	0.06	-6.10	0.54	-640.56	-0.25
413	5	-0.25	575.19	0.36	0.0	0.0	1.13	0.06	-6.10	0.54	575.19	-11.91
		-11.91	-640.56	0.22	0.0	199.4	1.13	0.06	-6.10	0.54	-640.56	-0.25
413	6	0.87	828.90	-1.35	0.0	0.0	2.18	0.51	7.96	1.40	-757.53	-101.11
		-101.11	-757.53	-0.08	0.0	199.4	2.18	0.51	7.96	1.40	828.90	0.87
413	7	0.59	690.32	-0.76	0.0	0.0	0.80	0.39	6.60	1.80	-625.50	-76.73
		-76.73	-625.50	0.08	0.0	199.4	0.80	0.39	6.60	1.80	690.32	0.59
413	8	-0.08	183.14	0.12	0.0	0.0	0.36	0.02	-1.94	0.17	183.14	-3.79
		-3.79	-203.97	0.07	0.0	199.4	0.36	0.02	-1.94	0.17	-203.97	-0.08
413	9	-0.08	183.14	0.12	0.0	0.0	0.36	0.02	-1.94	0.17	183.14	-3.79
		-3.79	-203.97	0.07	0.0	199.4	0.36	0.02	-1.94	0.17	-203.97	-0.08
413	10	0.32	274.34	-0.43	0.0	0.0	0.80	0.19	2.63	0.49	-250.41	-36.75
		-36.75	-250.41	-0.03	0.0	199.4	0.80	0.19	2.63	0.49	274.34	0.32
413	11	0.22	232.63	-0.24	0.0	0.0	0.28	0.14	2.22	0.60	-210.67	-28.19
		-28.19	-210.67	0.03	0.0	199.4	0.28	0.14	2.22	0.60	232.63	0.22
413	12	2.31	6.66	1.40e-03	0.0	0.0	-0.02	-0.01	0.06	0.05	-5.87	2.31
		8.76e-03	-5.87	-4.41e-04	0.0	199.4	-0.02	-0.01	0.06	0.05	6.66	8.76e-03
413	13	3104.96	3379.16	-3.18	-199.36	0.0	-4.25	120.03	32.27	14.44	-3054.09	-4087.90
		-4087.90	-3054.09	-0.05	0.0	199.4	-4.25	-79.34	32.27	14.44	3379.16	-31.77
414	1	401.72	109.44	0.24	10.49	0.0	-1.40	-7.25	1.00	-0.94	-90.42	401.72
		-97.68	-90.42	-1.83e-03	0.0	199.4	0.84	3.24	1.00	-0.94	109.44	2.25
414	2	1443.67	324.50	0.09	80.44	0.0	-4.89	-47.36	2.98	-0.12	-270.46	1443.67
		-1330.39	-270.46	-5.52e-03	0.0	199.4	12.23	33.08	2.98	-0.12	324.50	19.97
414	3	2824.13	634.79	0.17	157.35	0.0	-9.56	-92.65	5.84	-0.23	-529.08	2824.13
		-2602.53	-529.08	-0.01	0.0	199.4	23.92	64.71	5.84	-0.23	634.79	39.06
414	4	0.92	696.39	0.39	0.0	0.0	-1.76	0.10	-7.40	0.63	696.39	-18.41
		-18.41	-779.44	0.22	0.0	199.4	-1.76	0.10	-7.40	0.63	-779.44	0.92
414	5	0.92	696.39	0.39	0.0	0.0	-1.76	0.10	-7.40	0.63	696.39	-18.41
		-18.41	-779.44	0.22	0.0	199.4	-1.76	0.10	-7.40	0.63	-779.44	0.92
414	6	0.47	1549.99	-1.32	0.0	0.0	3.70	0.32	14.73	1.66	-1387.66	-62.62
		-62.62	-1387.66	-0.09	0.0	199.4	3.70	0.32	14.73	1.66	1549.99	0.47
414	7	0.36	959.41	-0.70	0.0	0.0	2.00	0.23	9.13	1.95	-860.12	-44.67
		-44.67	-860.12	0.08	0.0	199.4	2.00	0.23	9.13	1.95	959.41	0.36
414	8	0.29	221.54	0.12	0.0	0.0	-0.56	0.03	-2.36	0.20	221.54	-5.85
		-5.85	-247.96	0.07	0.0	199.4	-0.56	0.03	-2.36	0.20	-247.96	0.29
414	9	0.29	221.54	0.12	0.0	0.0	-0.56	0.03	-2.36	0.20	221.54	-5.85
		-5.85	-247.96	0.07	0.0	199.4	-0.56	0.03	-2.36	0.20	-247.96	0.29
414	10	0.17	508.51	-0.42	0.0	0.0	1.25	0.11	4.83	0.60	-455.10	-22.10
		-22.10	-455.10	-0.03	0.0	199.4	1.25	0.11	4.83	0.60	508.51	0.17
414	11	0.13	319.23	-0.22	0.0	0.0	0.64	0.08	3.04	0.67	-286.19	-16.15
		-16.15	-286.19	0.03	0.0	199.4	0.64	0.08	3.04	0.67	319.23	0.13
414	12	4.58	6.85	3.29e-03	0.0	0.0	0.02	-0.02	0.06	0.02	-5.86	4.58
		-0.17	-5.86	-4.73e-04	0.0	199.4	0.02	-0.02	0.06	0.02	6.85	-0.17
414	13	3279.10	3406.89	-2.73	-199.36	0.0	5.48	117.60	32.54	2.55	-3079.78	-3620.92
		-3620.92	-3079.78	-0.05	0.0	199.4	5.48	-81.76	32.54	2.55	3406.89	-48.73
415	1	422.00	216.28	0.21	10.49	0.0	1.46	-7.33	2.14	-0.27	-209.93	422.00
		-88.45	-209.93	-2.77e-03	0.0	199.4	3.70	3.16	2.14	-0.27	216.28	6.45
415	2	919.41	470.11	0.10	40.22	0.0	-5.48	-24.58	4.64	3.67	-454.52	919.41
		-577.63	-454.52	-6.09e-03	0.0	199.4	3.08	15.64	4.64	3.67	470.11	27.56
415	3	1798.57	919.64	0.20	78.68	0.0	-10.72	-48.09	9.07	7.18	-889.14	1798.57
		-1129.96	-889.14	-0.01	0.0	199.4	6.02	30.59	9.07	7.18	919.64	53.91
415	4	1.01	413.95	0.42	0.0	0.0	-3.67	0.06	-4.14	1.15	413.95	-12.52
		-12.52	-412.01	0.22	0.0	199.4	-3.67	0.06	-4.14	1.15	-412.01	1.01
415	5	1.01	413.95	0.42	0.0	0.0	-3.67	0.06	-4.14	1.15	413.95	-12.52
		-12.52	-412.01	0.22	0.0	199.4	-3.67	0.06	-4.14	1.15	-412.01	1.01
415	6	-0.48	822.12	-1.29	0.0	0.0	-10.29	0.32	8.13	1.83	-797.94	-63.63
		-63.63	-797.94	-0.08	0.0	199.4	-10.29	0.32	8.13	1.83	822.12	-0.48
415	7	0.33	442.38	-0.64	0.0	0.0	-9.27	0.21	4.37	2.04	-429.73	-41.59
		-41.59	-429.73	0.08	0.0	199.4	-9.27	0.21	4.37	2.04	442.38	0.33
415	8	0.32	131.62	0.13	0.0	0.0	-1.19	0.02	-1.32	0.37	131.62	-3.99
		-3.99	-131.00	0.07	0.0	199.4	-1.19	0.02	-1.32	0.37	-131.00	0.32
415	9	0.32	131.62	0.13	0.0	0.0	-1.19	0.02	-1.32	0.37	131.62	-3.99
		-3.99	-131.00	0.07	0.0	199.4	-1.19	0.02	-1.32	0.37	-131.00	0.32
415	10	-0.17	269.43	-0.41	0.0	0.0	-3.44	0.11	2.66	0.66	-261.49	-22.59
		-22.59	-261.49	-0.03	0.0	199.4	-3.44	0.11	2.66	0.66	269.43	-0.17
415	11	0.12	147.26	-0.20	0.0	0.0	-3.02	0.08	1.46	0.71	-143.03	-15.03
		-15.03	-143.03	0.03	0.0	199.4	-3.02	0.08	1.46	0.71	147.26	0.12
415	12	1.74	5.16	1.73e-03	0.0	0.0	-0.19	-9.64e-03	0.06	-0.09	-6.79	1.74
		-0.18	-6.79	-4.63e-04	0.0	199.4	-0.19	-9.64e-03	0.06	-0.09	5.16	-0.18
415	13	1428.31	1251.53	-2.88	-99.68	0.0	-32.82	60.97	12.37	-6.66	-1215.11	-2287.78

		-2287.78	-1215.11	0.02	0.0	199.4	-32.82	-38.71	12.37	-6.66	1251.53	-68.26
416	1	5.65	407.24	-0.11	-29.36	0.0	-16.00	58.76	3.52	3.68	57.73	-4366.28
		-4366.28	57.73	3.56e-04	0.0	99.2	-9.75	29.41	3.52	3.68	407.24	5.65
416	2	41.61	773.02	-0.07	0.0	0.0	-13.13	41.23	6.65	-56.31	113.70	-4047.29
		-4047.29	113.70	6.67e-04	0.0	99.2	-13.13	41.23	6.65	-56.31	773.02	41.61
416	3	81.39	1512.19	-0.14	0.0	0.0	-25.69	80.66	13.01	-110.15	222.43	-7917.35
		-7917.35	222.43	1.31e-03	0.0	99.2	-25.69	80.66	13.01	-110.15	1512.19	81.39
416	4	-2.74	741.97	0.22	0.0	0.0	-8.79	4.05	-3.69	19.63	741.97	-399.97
		-399.97	552.25	-0.11	0.0	99.2	-8.79	4.05	-3.69	19.63	552.25	-2.74
416	5	-2.74	741.97	0.22	0.0	0.0	-8.79	4.05	-3.69	19.63	741.97	-399.97
		-399.97	552.25	-0.11	0.0	99.2	-8.79	4.05	-3.69	19.63	552.25	-2.74
416	6	1220.06	567.58	0.32	0.0	0.0	-5.32	-12.27	4.31	-30.58	179.03	1220.06
		4.42	179.03	0.05	0.0	99.2	-5.32	-12.27	4.31	-30.58	567.58	4.42
416	7	1885.57	1153.68	0.64	0.0	0.0	-12.81	-18.98	9.79	-27.52	206.62	1885.57
		4.07	206.62	-0.05	0.0	99.2	-12.81	-18.98	9.79	-27.52	1153.68	4.07
416	8	-0.87	235.96	0.07	0.0	0.0	-2.80	1.29	-1.18	6.24	235.96	-127.36
		-127.36	175.59	-0.03	0.0	99.2	-2.80	1.29	-1.18	6.24	175.59	-0.87
416	9	-0.87	235.96	0.07	0.0	0.0	-2.80	1.29	-1.18	6.24	235.96	-127.36
		-127.36	175.59	-0.03	0.0	99.2	-2.80	1.29	-1.18	6.24	175.59	-0.87
416	10	440.55	189.41	0.10	0.0	0.0	-1.76	-4.43	1.45	-10.60	57.93	440.55
		1.54	57.93	0.01	0.0	99.2	-1.76	-4.43	1.45	-10.60	189.41	1.54
416	11	669.63	376.24	0.20	0.0	0.0	-4.10	-6.74	3.18	-9.92	68.20	669.63
		1.47	68.20	-0.01	0.0	99.2	-4.10	-6.74	3.18	-9.92	376.24	1.47
416	12	3.14	63.26	-3.20e-04	0.0	0.0	0.14	-0.03	-0.67	1.85	63.26	3.14
		-0.27	-3.65	-2.51e-05	0.0	99.2	0.14	-0.03	-0.67	1.85	-3.65	-0.27
416	13	1.032e+04	1407.61	1.48	0.0	0.0	6.53	-105.05	10.52	103.13	364.37	1.032e+04
		-98.05	364.37	4.44e-03	0.0	99.2	6.53	-105.05	10.52	103.13	1407.61	-98.05
417	1	9.96	-0.45	-0.21	-29.36	0.0	-36.55	100.26	-0.54	9.54	-0.45	-8477.32
		-8477.32	-54.18	7.58e-05	0.0	99.2	-30.31	70.90	-0.54	9.54	-54.18	9.96
417	2	60.43	-1.07	-0.21	0.0	0.0	-50.30	96.77	-1.28	28.30	-1.07	-9536.61
		-9536.61	-127.84	1.27e-04	0.0	99.2	-50.30	96.77	-1.28	28.30	-127.84	60.43
417	3	118.22	-2.09	-0.42	0.0	0.0	-98.39	189.31	-2.50	55.35	-2.09	-1.866e+04
		-1.866e+04	-250.08	2.49e-04	0.0	99.2	-98.39	189.31	-2.50	55.35	-250.08	118.22
417	4	491.70	871.96	0.16	0.0	0.0	-2.28	-4.96	2.57	13.88	680.51	491.70
		-0.11	680.51	-0.11	0.0	99.2	-2.28	-4.96	2.57	13.88	871.96	-0.11
417	5	491.70	871.96	0.16	0.0	0.0	-2.28	-4.96	2.57	13.88	680.51	491.70
		-0.11	680.51	-0.11	0.0	99.2	-2.28	-4.96	2.57	13.88	871.96	-0.11
417	6	3573.41	713.74	0.41	0.0	0.0	-11.82	-36.02	5.78	-24.20	169.50	3573.41
		-1.35	169.50	0.05	0.0	99.2	-11.82	-36.02	5.78	-24.20	713.74	-1.35
417	7	4626.23	886.11	0.69	0.0	0.0	-17.33	-46.63	7.60	-18.23	154.11	4626.23
		-1.72	154.11	-0.05	0.0	99.2	-17.33	-46.63	7.60	-18.23	886.11	-1.72
417	8	156.35	277.26	0.05	0.0	0.0	-0.73	-1.58	0.82	4.41	216.43	156.35
		-0.04	216.43	-0.03	0.0	99.2	-0.73	-1.58	0.82	4.41	277.26	-0.04
417	9	156.35	277.26	0.05	0.0	0.0	-0.73	-1.58	0.82	4.41	216.43	156.35
		-0.04	216.43	-0.03	0.0	99.2	-0.73	-1.58	0.82	4.41	277.26	-0.04
417	10	1324.87	240.20	0.13	0.0	0.0	-4.32	-13.35	1.96	-7.96	54.89	1324.87
		-0.50	54.89	0.01	0.0	99.2	-4.32	-13.35	1.96	-7.96	240.20	-0.50
417	11	1707.27	292.87	0.22	0.0	0.0	-6.09	-17.21	2.50	-6.28	51.35	1707.27
		-0.64	51.35	-0.01	0.0	99.2	-6.09	-17.21	2.50	-6.28	292.87	-0.64
417	12	-9.40e-03	35.46	1.05e-04	0.0	0.0	0.05	3.66e-03	-0.35	0.15	35.46	-0.37
		-0.37	0.41	-4.54e-05	0.0	99.2	0.05	3.66e-03	-0.35	0.15	0.41	-9.40e-03
417	13	2.325e+04	2006.86	2.02	0.0	0.0	71.64	-235.95	16.77	-97.48	343.51	2.325e+04
		-150.67	343.51	3.83e-03	0.0	99.2	71.64	-235.95	16.77	-97.48	2006.86	-150.67
418	1	9.80	12.39	-0.20	-29.36	0.0	-34.51	96.27	0.09	-3.47	3.81	-8082.18
		-8082.18	3.81	4.52e-05	0.0	99.2	-28.27	66.92	0.09	-3.47	12.39	9.80
418	2	59.85	34.48	-0.20	0.0	0.0	-45.21	91.18	0.25	-8.50	9.73	-8982.87
		-8982.87	9.73	6.70e-05	0.0	99.2	-45.21	91.18	0.25	-8.50	34.48	59.85
418	3	117.08	67.45	-0.39	0.0	0.0	-88.45	178.37	0.49	-16.63	19.04	-1.757e+04
		-1.757e+04	19.04	1.31e-04	0.0	99.2	-88.45	178.37	0.49	-16.63	67.45	117.08
418	4	311.02	898.00	0.09	0.0	0.0	1.18	-3.14	2.30	17.92	689.75	311.02
		0.10	689.75	-0.11	0.0	99.2	1.18	-3.14	2.30	17.92	898.00	0.10
418	5	311.02	898.00	0.09	0.0	0.0	1.18	-3.14	2.30	17.92	689.75	311.02
		0.10	689.75	-0.11	0.0	99.2	1.18	-3.14	2.30	17.92	898.00	0.10
418	6	4520.57	645.26	0.49	0.0	0.0	-15.04	-45.56	5.28	-24.86	151.47	4520.57
		1.88	151.47	0.05	0.0	99.2	-15.04	-45.56	5.28	-24.86	645.26	1.88
418	7	5235.98	524.98	0.65	0.0	0.0	-18.06	-52.78	4.67	21.56	103.59	5235.98
		-2.14	103.59	-0.05	0.0	99.2	-18.06	-52.78	4.67	21.56	524.98	-2.14
418	8	98.93	285.52	0.03	0.0	0.0	0.37	-1.00	0.73	5.70	219.35	98.93
		0.03	219.35	-0.03	0.0	99.2	0.37	-1.00	0.73	5.70	285.52	0.03
418	9	98.93	285.52	0.03	0.0	0.0	0.37	-1.00	0.73	5.70	219.35	98.93
		0.03	219.35	-0.03	0.0	99.2	0.37	-1.00	0.73	5.70	285.52	0.03
418	10	1681.41	217.39	0.16	0.0	0.0	-5.48	-16.95	1.80	-8.10	48.78	1681.41
		0.70	48.78	0.01	0.0	99.2	-5.48	-16.95	1.80	-8.10	217.39	0.70
418	11	1940.30	178.92	0.21	0.0	0.0	-6.47	-19.56	1.60	6.98	33.53	1940.30
		-0.80	33.53	-0.01	0.0	99.2	-6.47	-19.56	1.60	6.98	178.92	-0.80
418	12	1.18	17.84	1.70e-04	0.0	0.0	8.71e-03	-0.01	-0.18	0.30	17.84	1.18

		-5.78e-04	-0.11	-3.04e-05	0.0	99.2	8.71e-03	-0.01	-0.18	0.30	-0.11	-5.78e-04
418	13	2.230e+04	607.37	2.10	0.0	0.0	57.24	-226.35	4.78	8.92	133.56	2.230e+04
		-149.15	133.56	1.68e-03	0.0	99.2	57.24	-226.35	4.78	8.92	607.37	-149.15
419	1	9.90	1.66	-0.19	-29.36	0.0	-34.89	95.39	0.02	0.01	-0.02	-7994.49
		-7994.49	-0.02	-1.37e-05	0.0	99.2	-28.64	66.03	0.02	0.01	1.66	9.90
419	2	60.08	3.88	-0.20	0.0	0.0	-46.30	89.59	0.03	1.39e-04	0.55	-8825.02
		-8825.02	0.55	-5.13e-05	0.0	99.2	-46.30	89.59	0.03	1.39e-04	3.88	60.08
419	3	117.54	7.59	-0.38	0.0	0.0	-90.58	175.26	0.07	2.71e-04	1.07	-1.726e+04
		-1.726e+04	1.07	-1.00e-04	0.0	99.2	-90.58	175.26	0.07	2.71e-04	7.59	117.54
419	4	-2.70e-03	951.73	3.33e-04	0.0	0.0	0.47	0.01	3.34	18.20	694.04	-1.02
		-1.02	694.04	-0.11	0.0	99.2	0.47	0.01	3.34	18.20	951.73	-2.70e-03
419	5	-2.70e-03	951.73	3.33e-04	0.0	0.0	0.47	0.01	3.34	18.20	694.04	-1.02
		-1.02	694.04	-0.11	0.0	99.2	0.47	0.01	3.34	18.20	951.73	-2.70e-03
419	6	4363.03	357.47	0.58	0.0	0.0	-15.04	-43.98	2.84	-24.21	113.12	4363.03
		1.86	113.12	0.05	0.0	99.2	-15.04	-43.98	2.84	-24.21	357.47	1.86
419	7	4372.42	-112.86	0.58	0.0	0.0	-15.20	-44.07	-2.84	24.22	-112.86	4372.42
		1.86	-357.46	-0.05	0.0	99.2	-15.20	-44.07	-2.84	24.22	-357.46	1.86
419	8	-8.57e-04	302.67	1.06e-04	0.0	0.0	0.15	3.26e-03	1.07	5.79	220.70	-0.32
		-0.32	220.70	-0.03	0.0	99.2	0.15	3.26e-03	1.07	5.79	302.67	-8.57e-04
419	9	-8.57e-04	302.67	1.06e-04	0.0	0.0	0.15	3.26e-03	1.07	5.79	220.70	-0.32
		-0.32	220.70	-0.03	0.0	99.2	0.15	3.26e-03	1.07	5.79	302.67	-8.57e-04
419	10	1613.00	120.61	0.19	0.0	0.0	-5.38	-16.26	0.97	-7.93	36.46	1613.00
		0.69	36.46	0.01	0.0	99.2	-5.38	-16.26	0.97	-7.93	120.61	0.69
419	11	1616.69	-36.36	0.19	0.0	0.0	-5.42	-16.30	-0.97	7.93	-36.36	1616.69
		0.69	-120.68	-0.01	0.0	99.2	-5.42	-16.30	-0.97	7.93	-120.68	0.69
419	12	0.11	7.04e-03	1.78e-04	0.0	0.0	0.01	-1.15e-03	-1.90e-04	-4.65e-06	7.04e-03	0.11
		-3.02e-03	-0.01	0.0	0.0	99.2	0.01	-1.15e-03	-1.90e-04	-4.65e-06	-0.01	-3.02e-03
419	13	2.197e+04	0.67	2.11	0.0	0.0	59.01	-223.08	-0.02	0.03	0.67	2.197e+04
		-149.66	-1.42	-4.26e-04	0.0	99.2	59.01	-223.08	-0.02	0.03	-1.42	-149.66
420	1	9.80	-3.87	-0.20	-29.36	0.0	-34.52	96.27	-0.05	3.49	-3.87	-8082.25
		-8082.25	-9.22	-7.27e-05	0.0	99.2	-28.28	66.92	-0.05	3.49	-9.22	9.80
420	2	59.85	-8.70	-0.20	0.0	0.0	-45.24	91.19	-0.19	8.50	-8.70	-8983.33
		-8983.33	-27.15	-1.70e-04	0.0	99.2	-45.24	91.19	-0.19	8.50	-27.15	59.85
420	3	117.07	-17.01	-0.39	0.0	0.0	-88.49	178.38	-0.36	16.63	-17.01	-1.757e+04
		-1.757e+04	-53.10	-3.32e-04	0.0	99.2	-88.49	178.38	-0.36	16.63	-53.10	117.07
420	4	-0.11	897.81	-0.09	0.0	0.0	1.62	3.14	2.30	17.91	689.75	-311.32
		-311.32	689.75	-0.11	0.0	99.2	1.62	3.14	2.30	17.91	897.81	-0.11
420	5	-0.11	897.81	-0.09	0.0	0.0	1.62	3.14	2.30	17.91	689.75	-311.32
		-311.32	689.75	-0.11	0.0	99.2	1.62	3.14	2.30	17.91	897.81	-0.11
420	6	5242.14	-103.38	0.65	0.0	0.0	-17.96	-52.84	-4.68	-21.52	-103.38	5242.14
		-2.14	-525.21	0.05	0.0	99.2	-17.96	-52.84	-4.68	-21.52	-525.21	-2.14
420	7	4532.98	-151.04	0.49	0.0	0.0	-15.22	-45.69	-5.28	24.90	-151.04	4532.98
		1.88	-644.06	-0.05	0.0	99.2	-15.22	-45.69	-5.28	24.90	-644.06	1.88
420	8	-0.03	285.46	-0.03	0.0	0.0	0.51	1.00	0.73	5.70	219.35	-99.02
		-99.02	219.35	-0.03	0.0	99.2	0.51	1.00	0.73	5.70	285.46	-0.03
420	9	-0.03	285.46	-0.03	0.0	0.0	0.51	1.00	0.73	5.70	219.35	-99.02
		-99.02	219.35	-0.03	0.0	99.2	0.51	1.00	0.73	5.70	285.46	-0.03
420	10	1942.63	-33.45	0.21	0.0	0.0	-6.44	-19.58	-1.61	-6.97	-33.45	1942.63
		-0.80	-179.02	0.01	0.0	99.2	-6.44	-19.58	-1.61	-6.97	-179.02	-0.80
420	11	1686.21	-48.64	0.16	0.0	0.0	-5.53	-17.00	-1.80	8.11	-48.64	1686.21
		0.70	-217.02	-0.01	0.0	99.2	-5.53	-17.00	-1.80	8.11	-217.02	0.70
420	12	1.18	0.09	1.70e-04	0.0	0.0	8.48e-05	-0.01	0.18	-0.30	-17.83	1.18
		-2.62e-04	-17.83	3.05e-05	0.0	99.2	8.48e-05	-0.01	0.18	-0.30	0.09	-2.62e-04
420	13	2.230e+04	-132.35	2.09	0.0	0.0	56.88	-226.36	-4.82	-8.83	-132.35	2.230e+04
		-149.15	-610.75	-2.54e-03	0.0	99.2	56.88	-226.36	-4.82	-8.83	-610.75	-149.15
421	1	9.96	58.29	-0.21	-29.36	0.0	-36.55	100.26	0.58	-9.52	0.51	-8477.18
		-8477.18	0.51	-9.99e-05	0.0	99.2	-30.31	70.90	0.58	-9.52	58.29	9.96
421	2	60.43	137.50	-0.21	0.0	0.0	-50.29	96.76	1.36	-28.32	2.43	-9535.72
		-9535.72	2.43	-2.11e-04	0.0	99.2	-50.29	96.76	1.36	-28.32	137.50	60.43
421	3	118.22	268.98	-0.42	0.0	0.0	-98.38	189.29	2.66	-55.39	4.75	-1.865e+04
		-1.865e+04	4.75	-4.14e-04	0.0	99.2	-98.38	189.29	2.66	-55.39	268.98	118.22
421	4	0.12	872.15	-0.16	0.0	0.0	2.73	4.96	2.58	13.87	680.53	-491.72
		-491.72	680.53	-0.11	0.0	99.2	2.73	4.96	2.58	13.87	872.15	0.12
421	5	0.12	872.15	-0.16	0.0	0.0	2.73	4.96	2.58	13.87	680.53	-491.72
		-491.72	680.53	-0.11	0.0	99.2	2.73	4.96	2.58	13.87	872.15	0.12
421	6	4627.06	-154.42	0.69	0.0	0.0	-17.44	-46.64	-7.61	18.22	-154.42	4627.06
		-1.73	-887.00	0.05	0.0	99.2	-17.44	-46.64	-7.61	18.22	-887.00	-1.73
421	7	3562.96	-169.53	0.41	0.0	0.0	-12.12	-35.91	-5.78	24.25	-169.53	3562.96
		-1.35	-714.20	-0.05	0.0	99.2	-12.12	-35.91	-5.78	24.25	-714.20	-1.35
421	8	0.04	277.32	-0.05	0.0	0.0	0.87	1.58	0.82	4.41	216.43	-156.36
		-156.36	216.43	-0.03	0.0	99.2	0.87	1.58	0.82	4.41	277.32	0.04
421	9	0.04	277.32	-0.05	0.0	0.0	0.87	1.58	0.82	4.41	216.43	-156.36
		-156.36	216.43	-0.03	0.0	99.2	0.87	1.58	0.82	4.41	277.32	0.04
421	10	1707.60	-51.50	0.22	0.0	0.0	-6.14	-17.21	-2.51	6.28	-51.50	1707.60
		-0.64	-293.19	0.01	0.0	99.2	-6.14	-17.21	-2.51	6.28	-293.19	-0.64
421	11	1320.87	-54.95	0.13	0.0	0.0	-4.41	-13.31	-1.96	7.98	-54.95	1320.87

		-0.50	-240.48	-0.01	0.0	99.2	-4.41	-13.31	-1.96	7.98	-240.48	-0.50
421	12	-8.77e-03	-0.45	1.05e-04	0.0	0.0	0.03	3.66e-03	0.35	-0.15	-35.45	-0.37
		-0.37	-35.45	4.55e-05	0.0	99.2	0.03	3.66e-03	0.35	-0.15	-0.45	-8.77e-03
421	13	2.324e+04	-343.94	2.02	0.0	0.0	70.74	-235.91	-16.91	97.68	-343.94	2.324e+04
		-150.68	-2020.82	-4.69e-03	0.0	99.2	70.74	-235.91	-16.91	97.68	-2020.82	-150.68
422	1	5.48	-58.11	-0.11	-29.36	0.0	-15.94	58.74	-3.52	-3.67	-58.11	-4364.40
		-4364.40	-407.41	-3.85e-04	0.0	99.2	-9.69	29.39	-3.52	-3.67	-407.41	5.48
422	2	40.70	-113.62	-0.07	0.0	0.0	-13.19	41.08	-6.64	56.22	-113.62	-4032.82
		-4032.82	-772.57	-7.74e-04	0.0	99.2	-13.19	41.08	-6.64	56.22	-772.57	40.70
422	3	79.62	-222.26	-0.14	0.0	0.0	-25.81	80.35	-13.00	109.98	-222.26	-7889.05
		-7889.05	-1511.31	-1.51e-03	0.0	99.2	-25.81	80.35	-13.00	109.98	-1511.31	79.62
422	4	399.20	746.47	-0.22	0.0	0.0	9.09	-4.04	-3.66	19.61	746.47	399.20
		2.73	559.11	-0.11	0.0	99.2	9.09	-4.04	-3.66	19.61	559.11	2.73
422	5	399.20	746.47	-0.22	0.0	0.0	9.09	-4.04	-3.66	19.61	746.47	399.20
		2.73	559.11	-0.11	0.0	99.2	9.09	-4.04	-3.66	19.61	559.11	2.73
422	6	1877.87	-206.87	0.64	0.0	0.0	-12.96	-18.91	-9.76	27.46	-206.87	1877.87
		4.06	-1150.05	0.04	0.0	99.2	-12.96	-18.91	-9.76	27.46	-1150.05	4.06
422	7	1217.19	-179.35	0.32	0.0	0.0	-5.32	-12.24	-4.29	30.53	-179.35	1217.19
		4.41	-565.91	-0.05	0.0	99.2	-5.32	-12.24	-4.29	30.53	-565.91	4.41
422	8	127.12	237.38	-0.07	0.0	0.0	2.90	-1.29	-1.17	6.24	237.38	127.12
		0.87	177.77	-0.03	0.0	99.2	2.90	-1.29	-1.17	6.24	177.77	0.87
422	9	127.12	237.38	-0.07	0.0	0.0	2.90	-1.29	-1.17	6.24	237.38	127.12
		0.87	177.77	-0.03	0.0	99.2	2.90	-1.29	-1.17	6.24	177.77	0.87
422	10	666.72	-68.33	0.20	0.0	0.0	-4.15	-6.71	-3.17	9.89	-68.33	666.72
		1.46	-375.00	0.01	0.0	99.2	-4.15	-6.71	-3.17	9.89	-375.00	1.46
422	11	439.46	-58.04	0.10	0.0	0.0	-1.76	-4.42	-1.44	10.57	-58.04	439.46
		1.53	-188.74	-0.01	0.0	99.2	-1.76	-4.42	-1.44	10.57	-188.74	1.53
422	12	3.15	3.40	-3.20e-04	0.0	0.0	0.13	-0.03	0.68	-1.85	-63.64	3.15
		-0.27	-63.64	2.49e-05	0.0	99.2	0.13	-0.03	0.68	-1.85	3.40	-0.27
422	13	1.029e+04	-363.06	1.48	0.0	0.0	5.73	-104.68	-10.47	-102.74	-363.06	1.029e+04
		-95.77	-1401.54	-5.29e-03	0.0	99.2	5.73	-104.68	-10.47	-102.74	-1401.54	-95.77
423	1	885.75	407.24	-0.04	-3.22	0.0	-3.52	29.41	-9.75	5.65	407.24	-3.76
		-3.76	106.36	3.12e-03	0.69	32.0	-3.52	26.19	-9.06	5.65	106.36	885.75
423	2	1375.62	773.03	-0.07	0.0	0.0	-6.65	41.23	-13.12	41.61	773.03	56.15
		56.15	353.13	6.39e-03	0.0	32.0	-6.65	41.23	-13.12	41.61	353.13	1375.62
423	3	2691.00	1512.21	-0.14	0.0	0.0	-13.01	80.66	-25.67	81.39	1512.21	109.84
		109.84	690.79	0.01	0.0	32.0	-13.01	80.66	-25.67	81.39	690.79	2691.00
423	4	-19.73	552.24	-0.02	0.0	0.0	4.96	3.45	-8.42	-2.74	552.24	-19.73
		-123.69	307.62	-0.03	0.0	32.0	4.96	3.45	-8.42	-2.74	307.62	-123.69
423	5	-19.73	552.24	-0.02	0.0	0.0	4.96	3.45	-8.42	-2.74	552.24	-19.73
		-123.69	307.62	-0.03	0.0	32.0	4.96	3.45	-8.42	-2.74	307.62	-123.69
423	6	30.57	567.59	0.03	0.0	0.0	-4.27	-11.00	-4.97	4.42	567.59	30.57
		-332.24	501.56	5.26e-03	0.0	32.0	-4.27	-11.00	-4.97	4.42	501.56	-332.24
423	7	27.51	1153.68	0.02	0.0	0.0	-9.76	-16.71	-11.15	4.07	1153.68	27.51
		-515.08	830.69	-0.01	0.0	32.0	-9.76	-16.71	-11.15	4.07	830.69	-515.08
423	8	-6.27	175.59	-6.07e-03	0.0	0.0	1.58	1.10	-2.69	-0.87	175.59	-6.27
		-39.38	97.92	-9.69e-03	0.0	32.0	1.58	1.10	-2.69	-0.87	97.92	-39.38
423	9	-6.27	175.59	-6.07e-03	0.0	0.0	1.58	1.10	-2.69	-0.87	175.59	-6.27
		-39.38	97.92	-9.69e-03	0.0	32.0	1.58	1.10	-2.69	-0.87	97.92	-39.38
423	10	10.60	189.41	0.01	0.0	0.0	-1.44	-3.99	-1.63	1.54	189.41	10.60
		-120.32	166.76	1.61e-03	0.0	32.0	-1.44	-3.99	-1.63	1.54	166.76	-120.32
423	11	9.92	376.24	7.29e-03	0.0	0.0	-3.17	-5.95	-3.57	1.47	376.24	9.92
		-182.87	274.43	-4.45e-03	0.0	32.0	-3.17	-5.95	-3.57	1.47	274.43	-182.87
423	12	-1.85	0.96	2.25e-04	0.0	0.0	0.67	-0.03	0.14	-0.27	-3.65	-1.85
		-2.95	-3.65	7.90e-06	0.0	32.0	0.67	-0.03	0.14	-0.27	0.96	-2.95
423	13	-103.42	1615.90	0.26	0.0	0.0	-10.52	-105.05	6.51	-98.05	1407.58	-103.42
		-3465.04	1407.58	0.02	0.0	32.0	-10.52	-105.05	6.51	-98.05	1615.90	-3465.04
424	1	3313.36	319.64	-0.19	-16.62	0.0	-5.63	23.02	-5.32	-0.95	319.64	885.44
		885.44	-266.17	0.04	3.53	165.0	-5.63	6.41	-1.78	-0.95	-266.17	3313.36
424	2	5604.81	816.73	-0.31	0.0	0.0	-11.22	25.61	-10.18	13.23	816.73	1379.21
		1379.21	-863.17	0.11	0.0	165.0	-11.22	25.61	-10.18	13.23	-863.17	5604.81
424	3	1.096e+04	1597.69	-0.60	0.0	0.0	-21.96	50.10	-19.92	25.87	1597.69	2698.03
		2698.03	-1688.54	0.22	0.0	165.0	-21.96	50.10	-19.92	25.87	-1688.54	1.096e+04
424	4	493.20	708.42	-0.10	0.0	0.0	5.78	2.25	-7.21	-1.83	708.42	-124.61
		-124.61	-482.25	-0.07	0.0	165.0	5.78	2.25	-7.21	-1.83	-482.25	493.20
424	5	493.20	708.42	-0.10	0.0	0.0	5.78	2.25	-7.21	-1.83	708.42	-124.61
		-124.61	-482.25	-0.07	0.0	165.0	5.78	2.25	-7.21	-1.83	-482.25	493.20
424	6	-330.98	934.55	0.18	0.0	0.0	-8.35	-8.29	-9.53	4.21	934.55	-330.98
		-1692.50	-641.76	0.13	0.0	165.0	-8.35	-8.29	-9.53	4.21	-641.76	-1692.50
424	7	-513.83	1638.03	0.11	0.0	0.0	-17.63	-11.82	-17.27	3.68	1638.03	-513.83
		-2461.25	-1214.00	0.11	0.0	165.0	-17.63	-11.82	-17.27	3.68	-1214.00	-2461.25
424	8	157.10	225.32	-0.03	0.0	0.0	1.84	0.72	-2.29	-0.58	225.32	-39.67
		-39.67	-153.35	-0.02	0.0	165.0	1.84	0.72	-2.29	-0.58	-153.35	157.10
424	9	157.10	225.32	-0.03	0.0	0.0	1.84	0.72	-2.29	-0.58	225.32	-39.67
		-39.67	-153.35	-0.02	0.0	165.0	1.84	0.72	-2.29	-0.58	-153.35	157.10
424	10	-119.84	310.99	0.06	0.0	0.0	-2.81	-3.03	-3.18	1.45	310.99	-119.84

		-618.09	-214.26	0.04	0.0	165.0	-2.81	-3.03	-3.18	1.45	-214.26	-618.09
424	11	-182.38	539.01	0.04	0.0	0.0	-5.75	-4.23	-5.68	1.32	539.01	-182.38
		-879.69	-400.17	0.03	0.0	165.0	-5.75	-4.23	-5.68	1.32	-400.17	-879.69
424	12	-3.04	6.06	1.06e-03	0.0	0.0	0.62	-0.02	-0.06	-0.08	6.06	-3.04
		-7.15	-3.79	6.58e-04	0.0	165.0	0.62	-0.02	-0.06	-0.08	-3.79	-7.15
424	13	-3471.99	2845.24	1.19	0.0	0.0	-22.68	-66.37	-27.11	-27.74	2845.24	-3471.99
		-1.442e+04	-1627.14	0.46	0.0	165.0	-22.68	-66.37	-27.11	-27.74	-1627.14	-1.442e+04
425	1	3362.02	-16.88	-0.07	-16.62	0.0	-6.66	3.16	-0.93	-3.20	-154.38	3312.40
		2463.18	-174.64	-0.02	3.53	165.0	-6.66	-13.46	2.60	-3.20	-16.88	2463.18
425	2	5604.66	-192.15	-0.11	0.0	0.0	-14.26	-7.47	2.07	-6.74	-532.90	5604.66
		4372.68	-532.90	-0.05	0.0	165.0	-14.26	-7.47	2.07	-6.74	-192.15	4372.68
425	3	1.096e+04	-375.89	-0.22	0.0	0.0	-27.90	-14.61	4.04	-13.18	-1042.46	1.096e+04
		8553.89	-1042.46	-0.10	0.0	165.0	-27.90	-14.61	4.04	-13.18	-375.89	8553.89
425	4	533.91	313.82	-0.12	0.0	0.0	7.60	0.60	-4.24	-1.11	313.82	493.78
		493.78	-391.40	-0.08	0.0	165.0	7.60	0.60	-4.24	-1.11	-391.40	533.91
425	5	533.91	313.82	-0.12	0.0	0.0	7.60	0.60	-4.24	-1.11	313.82	493.78
		493.78	-391.40	-0.08	0.0	165.0	7.60	0.60	-4.24	-1.11	-391.40	533.91
425	6	-1691.24	384.13	0.17	0.0	0.0	-17.08	-2.36	-5.44	4.02	384.13	-1691.24
		-1746.35	-538.33	0.13	0.0	165.0	-17.08	-2.36	-5.44	4.02	-538.33	-1746.35
425	7	-2460.12	455.30	0.06	0.0	0.0	-32.04	-2.56	-7.61	3.37	455.30	-2460.12
		-2478.75	-857.65	0.05	0.0	165.0	-32.04	-2.56	-7.61	3.37	-857.65	-2478.75
425	8	170.21	99.97	-0.04	0.0	0.0	2.42	0.19	-1.35	-0.35	99.97	157.29
		157.29	-124.53	-0.03	0.0	165.0	2.42	0.19	-1.35	-0.35	-124.53	170.21
425	9	170.21	99.97	-0.04	0.0	0.0	2.42	0.19	-1.35	-0.35	99.97	157.29
		157.29	-124.53	-0.03	0.0	165.0	2.42	0.19	-1.35	-0.35	-124.53	170.21
425	10	-617.63	130.94	0.05	0.0	0.0	-5.71	-0.87	-1.83	1.37	130.94	-617.63
		-636.12	-181.21	0.04	0.0	165.0	-5.71	-0.87	-1.83	1.37	-181.21	-636.12
425	11	-875.98	152.46	0.02	0.0	0.0	-10.48	-0.94	-2.52	1.20	152.46	-879.25
		-879.25	-284.12	0.01	0.0	165.0	-10.48	-0.94	-2.52	1.20	-284.12	-875.98
425	12	-7.13	3.06	7.97e-04	0.0	0.0	0.55	-1.01e-03	-0.04	0.09	3.06	-7.13
		-7.30	-3.16	7.70e-04	0.0	165.0	0.55	-1.01e-03	-0.04	0.09	-3.16	-7.30
425	13	-1.188e+04	1774.28	0.69	0.0	0.0	-55.16	15.39	-21.59	20.99	1774.28	-1.442e+04
		-1.442e+04	-1788.87	0.57	0.0	165.0	-55.16	15.39	-21.59	20.99	-1788.87	-1.188e+04
426	1	2461.60	514.91	0.02	-16.62	0.0	-3.18	-16.31	3.69	-3.81	-385.14	2461.60
		-1601.06	-385.14	-0.08	3.53	165.0	-3.18	-32.93	7.22	-3.81	514.91	-1601.06
426	2	4367.88	1304.43	0.03	0.0	0.0	-5.14	-39.53	14.93	-19.87	-1158.73	4367.88
		-2155.30	-1158.73	-0.20	0.0	165.0	-5.14	-39.53	14.93	-19.87	1304.43	-2155.30
426	3	8544.51	2551.73	0.05	0.0	0.0	-10.05	-77.34	29.20	-38.88	-2266.71	8544.51
		-4216.23	-2266.71	-0.39	0.0	165.0	-10.05	-77.34	29.20	-38.88	2551.73	-4216.23
426	4	534.35	276.18	-0.13	0.0	0.0	8.93	1.82	-4.51	-1.27	276.18	534.35
		332.10	-471.18	-0.12	0.0	165.0	8.93	1.82	-4.51	-1.27	-471.18	332.10
426	5	534.35	276.18	-0.13	0.0	0.0	8.93	1.82	-4.51	-1.27	276.18	534.35
		332.10	-471.18	-0.12	0.0	165.0	8.93	1.82	-4.51	-1.27	-471.18	332.10
426	6	-992.41	-338.75	0.15	0.0	0.0	-22.65	10.76	5.10	3.71	-338.75	-1745.44
		-1745.44	-524.98	0.08	0.0	165.0	-22.65	10.76	5.10	3.71	-524.98	-992.41
426	7	-1307.02	616.69	8.74e-03	0.0	0.0	-38.34	14.51	6.56	2.88	-517.06	-2478.03
		-2478.03	-517.06	-0.08	0.0	165.0	-38.34	14.51	6.56	2.88	616.69	-1307.02
426	8	170.35	88.05	-0.04	0.0	0.0	2.84	0.58	-1.44	-0.41	88.05	170.35
		106.17	-150.19	-0.04	0.0	165.0	2.84	0.58	-1.44	-0.41	-150.19	106.17
426	9	170.35	88.05	-0.04	0.0	0.0	2.84	0.58	-1.44	-0.41	88.05	170.35
		106.17	-150.19	-0.04	0.0	165.0	2.84	0.58	-1.44	-0.41	-150.19	106.17
426	10	-357.94	-122.10	0.05	0.0	0.0	-7.54	3.99	1.80	1.24	-122.10	-635.78
		-635.78	-182.04	0.03	0.0	165.0	-7.54	3.99	1.80	1.24	-182.04	-357.94
426	11	-463.97	214.79	3.30e-03	0.0	0.0	-12.49	5.37	2.32	1.01	-184.27	-875.70
		-875.70	-184.27	-0.02	0.0	165.0	-12.49	5.37	2.32	1.01	214.79	-463.97
426	12	-5.50	3.50	5.13e-04	0.0	0.0	0.49	0.01	-0.05	0.08	3.50	-7.25
		-7.25	-5.25	6.54e-04	0.0	165.0	0.49	0.01	-0.05	0.08	-5.25	-5.50
426	13	3767.28	1588.56	0.30	0.0	0.0	-87.41	94.76	-25.77	52.99	1588.56	-1.187e+04
		-1.187e+04	-2664.09	0.47	0.0	165.0	-87.41	94.76	-25.77	52.99	-2664.09	3767.28
427	1	-1602.03	672.89	2.49e-03	-3.32	0.0	0.13	-35.25	14.59	-6.47	179.66	-1602.03
		-2820.02	179.66	-4.71e-03	0.71	33.0	0.13	-38.57	15.30	-6.47	672.89	-2820.02
427	2	-2158.67	1387.44	3.39e-03	0.0	0.0	2.37	-53.51	25.58	-34.52	543.41	-2158.67
		-3924.44	543.41	-0.01	0.0	33.0	2.37	-53.51	25.58	-34.52	1387.44	-3924.44
427	3	-4222.81	2714.13	6.63e-03	0.0	0.0	4.64	-104.67	50.03	-67.53	1063.02	-4222.81
		-7677.03	1063.02	-0.02	0.0	33.0	4.64	-104.67	50.03	-67.53	2714.13	-7677.03
427	4	332.31	-179.49	-0.03	0.0	0.0	9.47	2.64	-7.11	-1.90	-179.49	332.31
		293.16	-374.12	-0.03	0.0	33.0	9.47	2.64	-7.11	-1.90	-374.12	293.16
427	5	332.31	-179.49	-0.03	0.0	0.0	9.47	2.64	-7.11	-1.90	-179.49	332.31
		293.16	-374.12	-0.03	0.0	33.0	9.47	2.64	-7.11	-1.90	-374.12	293.16
427	6	-992.81	335.67	0.03	0.0	0.0	-24.09	16.56	6.53	3.11	-284.21	-992.81
		-1233.17	-284.21	8.86e-03	0.0	33.0	-24.09	16.56	6.53	3.11	335.67	-1233.17
427	7	-1307.51	437.49	-3.88e-03	0.0	0.0	-39.15	22.01	6.68	2.24	317.35	-1307.51
		-1591.06	317.35	-0.02	0.0	33.0	-39.15	22.01	6.68	2.24	437.49	-1591.06
427	8	106.24	-57.47	-8.65e-03	0.0	0.0	3.01	0.84	-2.27	-0.60	-57.47	106.24
		93.80	-118.96	-0.01	0.0	33.0	3.01	0.84	-2.27	-0.60	-118.96	93.80
427	9	106.24	-57.47	-8.65e-03	0.0	0.0	3.01	0.84	-2.27	-0.60	-57.47	106.24

		93.80	-118.96	-0.01	0.0	33.0	3.01	0.84	-2.27	-0.60	-118.96	93.80
427	10	-358.04	120.94	9.98e-03	0.0	0.0	-8.02	6.14	2.23	1.01	-97.91	-358.04
		-451.71	-97.91	2.80e-03	0.0	33.0	-8.02	6.14	2.23	1.01	120.94	-451.71
427	11	-464.15	158.71	-1.13e-03	0.0	0.0	-12.73	8.12	2.47	0.75	109.80	-464.15
		-587.74	109.80	-6.90e-03	0.0	33.0	-12.73	8.12	2.47	0.75	158.71	-587.74
427	12	-5.18	-0.69	7.34e-05	0.0	0.0	0.44	9.56e-03	-0.03	-1.91e-03	-0.69	-5.49
		-5.49	-1.75	1.32e-05	0.0	33.0	0.44	9.56e-03	-0.03	-1.91e-03	-1.75	-5.18
427	13	8051.51	-1168.30	0.06	0.0	0.0	-102.24	129.51	-36.60	89.76	-1168.30	3777.55
		3777.55	-2376.09	0.02	0.0	33.0	-102.24	129.51	-36.60	89.76	-2376.09	8051.51
428	1	-1846.24	618.70	-1.40e-03	-3.22	0.0	0.67	32.34	-14.99	3.49	618.70	-2829.55
		-2829.55	149.86	3.99e-03	0.69	32.0	0.67	29.12	-14.31	3.49	149.86	-1846.24
428	2	-2567.92	1259.59	-2.03e-03	0.0	0.0	3.65	43.27	-24.70	25.91	1259.59	-3952.71
		-3952.71	469.14	8.60e-03	0.0	32.0	3.65	43.27	-24.70	25.91	469.14	-2567.92
428	3	-5023.40	2464.02	-3.97e-03	0.0	0.0	7.14	84.65	-48.32	50.69	2464.02	-7732.33
		-7732.33	917.75	0.02	0.0	32.0	7.14	84.65	-48.32	50.69	917.75	-5023.40
428	4	335.96	501.96	-0.03	0.0	0.0	11.06	-2.24	-8.38	-1.82	501.96	293.38
		293.38	274.01	-0.03	0.0	32.0	11.06	-2.24	-8.38	-1.82	274.01	335.96
428	5	335.96	501.96	-0.03	0.0	0.0	11.06	-2.24	-8.38	-1.82	501.96	293.38
		293.38	274.01	-0.03	0.0	32.0	11.06	-2.24	-8.38	-1.82	274.01	335.96
428	6	-1000.58	744.96	0.03	0.0	0.0	-29.09	-16.34	-6.49	3.88	744.96	-1244.27
		-1244.27	601.27	0.01	0.0	32.0	-29.09	-16.34	-6.49	3.88	601.27	-1000.58
428	7	-1298.80	941.01	-3.80e-03	0.0	0.0	-46.18	-20.68	-10.10	3.22	941.01	-1601.78
		-1601.78	652.99	-0.02	0.0	32.0	-46.18	-20.68	-10.10	3.22	652.99	-1298.80
428	8	107.24	159.61	-8.41e-03	0.0	0.0	3.52	-0.71	-2.67	-0.58	159.61	93.87
		93.87	87.45	-9.54e-03	0.0	32.0	3.52	-0.71	-2.67	-0.58	87.45	107.24
428	9	107.24	159.61	-8.41e-03	0.0	0.0	3.52	-0.71	-2.67	-0.58	159.61	93.87
		93.87	87.45	-9.54e-03	0.0	32.0	3.52	-0.71	-2.67	-0.58	87.45	107.24
428	10	-361.26	263.59	0.01	0.0	0.0	-9.68	-6.05	-2.36	1.31	263.59	-455.14
		-455.14	207.16	3.72e-03	0.0	32.0	-9.68	-6.05	-2.36	1.31	207.16	-361.26
428	11	-463.10	325.82	-1.05e-03	0.0	0.0	-15.02	-7.63	-3.42	1.15	325.82	-591.56
		-591.56	227.25	-5.21e-03	0.0	32.0	-15.02	-7.63	-3.42	1.15	227.25	-463.10
428	12	-4.90	-0.74	6.30e-05	0.0	0.0	0.79	0.01	0.02	-0.01	-1.34	-5.32
		-5.32	-1.34	-9.75e-06	0.0	32.0	0.79	0.01	0.02	-0.01	-0.74	-4.90
428	13	8148.58	750.71	0.07	0.0	0.0	-119.01	-106.45	35.00	-60.91	-369.19	8148.58
		4742.15	-369.19	3.07e-03	0.0	32.0	-119.01	-106.45	35.00	-60.91	750.71	4742.15
429	1	1216.90	439.64	-0.03	-16.62	0.0	-2.19	26.87	-6.49	0.75	439.64	-1846.55
		-1846.55	-339.02	0.06	3.53	165.0	-2.19	10.26	-2.95	0.75	-339.02	1216.90
429	2	2309.40	1121.84	-0.04	0.0	0.0	-2.79	29.56	-13.15	11.06	1121.84	-2568.38
		-2568.38	-1047.25	0.17	0.0	165.0	-2.79	29.56	-13.15	11.06	-1047.25	2309.40
429	3	4517.68	2194.55	-0.08	0.0	0.0	-5.47	57.83	-25.72	21.64	2194.55	-5024.30
		-5024.30	-2048.65	0.33	0.0	165.0	-5.47	57.83	-25.72	21.64	-2048.65	4517.68
429	4	525.12	648.40	-0.14	0.0	0.0	11.42	-1.57	-6.48	-1.79	648.40	336.14
		336.14	-421.62	-0.10	0.0	165.0	11.42	-1.57	-6.48	-1.79	-421.62	525.12
429	5	525.12	648.40	-0.14	0.0	0.0	11.42	-1.57	-6.48	-1.79	648.40	336.14
		336.14	-421.62	-0.10	0.0	165.0	11.42	-1.57	-6.48	-1.79	-421.62	525.12
429	6	-1001.08	1141.05	0.17	0.0	0.0	-33.31	-10.54	-12.16	3.25	1141.05	-1001.08
		-1670.92	-871.46	0.16	0.0	165.0	-33.31	-10.54	-12.16	3.25	-871.46	-1670.92
429	7	-1299.49	1292.21	-0.03	0.0	0.0	-51.55	-13.25	-14.36	2.66	1292.21	-1299.49
		-2147.85	-1083.01	0.02	0.0	165.0	-51.55	-13.25	-14.36	2.66	-1083.01	-2147.85
429	8	167.10	206.50	-0.04	0.0	0.0	3.63	-0.50	-2.06	-0.57	206.50	107.30
		107.30	-134.21	-0.03	0.0	165.0	3.63	-0.50	-2.06	-0.57	-134.21	167.10
429	9	167.10	206.50	-0.04	0.0	0.0	3.63	-0.50	-2.06	-0.57	206.50	107.30
		107.30	-134.21	-0.03	0.0	165.0	3.63	-0.50	-2.06	-0.57	-134.21	167.10
429	10	-361.40	395.35	0.05	0.0	0.0	-11.11	-3.90	-4.24	1.06	395.35	-361.40
		-609.54	-306.91	0.05	0.0	165.0	-11.11	-3.90	-4.24	1.06	-306.91	-609.54
429	11	-463.34	448.42	-8.58e-03	0.0	0.0	-16.83	-4.90	-5.01	0.90	448.42	-463.34
		-753.07	-379.72	5.58e-03	0.0	165.0	-16.83	-4.90	-5.01	0.90	-379.72	-753.07
429	12	-2.80	1.96	2.19e-04	0.0	0.0	0.76	0.01	-0.02	6.00e-03	1.96	-4.91
		-4.91	-1.38	1.03e-04	0.0	165.0	0.76	0.01	-0.02	6.00e-03	-1.38	-2.80
429	13	4744.73	990.58	0.38	0.0	0.0	-121.37	-72.32	-9.24	-23.76	990.58	4744.73
		-7188.42	-534.24	0.14	0.0	165.0	-121.37	-72.32	-9.24	-23.76	-534.24	-7188.42
430	1	1522.17	-68.14	9.65e-03	-16.62	0.0	-4.74	7.85	-1.97	0.56	-68.14	1217.27
		1141.61	-158.92	0.01	3.53	165.0	-4.74	-8.77	1.56	0.56	-102.04	1141.61
430	2	2311.12	-315.56	0.02	0.0	0.0	-9.67	-0.97	-0.55	1.30	-315.56	2311.12
		2151.28	-406.85	0.03	0.0	165.0	-9.67	-0.97	-0.55	1.30	-406.85	2151.28
430	3	4521.04	-617.30	0.04	0.0	0.0	-18.92	-1.90	-1.08	2.54	-617.30	4521.04
		4208.36	-795.89	0.06	0.0	165.0	-18.92	-1.90	-1.08	2.54	-795.89	4208.36
430	4	553.19	352.26	-0.15	0.0	0.0	11.39	-0.90	-4.42	-1.81	352.26	525.53
		525.53	-380.43	-0.11	0.0	165.0	11.39	-0.90	-4.42	-1.81	-380.43	553.19
430	5	553.19	352.26	-0.15	0.0	0.0	11.39	-0.90	-4.42	-1.81	352.26	525.53
		525.53	-380.43	-0.11	0.0	165.0	11.39	-0.90	-4.42	-1.81	-380.43	553.19
430	6	-1424.14	378.07	0.15	0.0	0.0	-41.52	4.55	-5.23	3.24	378.07	-1670.63
		-1670.63	-585.88	0.14	0.0	165.0	-41.52	4.55	-5.23	3.24	-585.88	-1424.14
430	7	-1828.68	-403.48	-0.08	0.0	0.0	-59.74	3.52	-4.33	-2.83	-403.48	-2148.08
		-2148.08	-567.17	-0.06	0.0	165.0	-59.74	3.52	-4.33	-2.83	-567.17	-1828.68
430	8	176.27	112.23	-0.05	0.0	0.0	3.62	-0.29	-1.41	-0.58	112.23	167.23

		167.23	-121.20	-0.03	0.0	165.0	3.62	-0.29	-1.41	-0.58	-121.20	176.27
430	9	176.27	112.23	-0.05	0.0	0.0	3.62	-0.29	-1.41	-0.58	112.23	167.23
		167.23	-121.20	-0.03	0.0	165.0	3.62	-0.29	-1.41	-0.58	-121.20	176.27
430	10	-516.73	128.84	0.05	0.0	0.0	-13.82	1.70	-1.75	1.04	128.84	-609.42
		-609.42	-200.67	0.05	0.0	165.0	-13.82	1.70	-1.75	1.04	-200.67	-516.73
430	11	-637.42	-139.71	-0.03	0.0	0.0	-19.55	1.27	-1.42	-0.94	-139.71	-753.11
		-753.11	-192.99	-0.02	0.0	165.0	-19.55	1.27	-1.42	-0.94	-192.99	-637.42
430	12	-0.91	0.78	1.04e-04	0.0	0.0	0.74	0.01	-9.70e-03	0.02	0.78	-2.80
		-2.80	-0.83	9.61e-05	0.0	165.0	0.74	0.01	-9.70e-03	0.02	-0.83	-0.91
430	13	-6642.33	538.59	0.17	0.0	0.0	-131.61	3.33	-6.66	-0.41	538.59	-7191.74
		-7191.74	-560.45	0.18	0.0	165.0	-131.61	3.33	-6.66	-0.41	-560.45	-6642.33
431	1	1141.64	386.08	0.04	-16.62	0.0	-2.80	-11.25	2.45	-0.39	-309.31	1141.64
		-2085.84	-309.31	-0.06	3.53	165.0	-2.80	-27.87	5.98	-0.39	386.08	-2085.84
431	2	2150.44	979.22	0.07	0.0	0.0	-4.43	-31.71	11.80	-10.59	-967.43	2150.44
		-3081.07	-967.43	-0.15	0.0	165.0	-4.43	-31.71	11.80	-10.59	979.22	-3081.07
431	3	4206.72	1915.57	0.14	0.0	0.0	-8.66	-62.02	23.08	-20.72	-1892.50	4206.72
		-6027.23	-1892.50	-0.29	0.0	165.0	-8.66	-62.02	23.08	-20.72	1915.57	-6027.23
431	4	553.54	340.70	-0.16	0.0	0.0	10.59	-1.54	-5.45	-2.12	340.70	553.54
		455.63	-559.28	-0.13	0.0	165.0	10.59	-1.54	-5.45	-2.12	-559.28	455.63
431	5	553.54	340.70	-0.16	0.0	0.0	10.59	-1.54	-5.45	-2.12	340.70	553.54
		455.63	-559.28	-0.13	0.0	165.0	10.59	-1.54	-5.45	-2.12	-559.28	455.63
431	6	-1424.33	691.26	0.14	0.0	0.0	-44.44	15.29	7.67	3.39	-595.64	-1424.33
		-1936.44	-595.64	0.09	0.0	165.0	-44.44	15.29	7.67	3.39	691.26	-1936.44
431	7	-1571.64	962.86	-0.13	0.0	0.0	-59.34	16.90	11.11	-2.93	-880.18	-1829.23
		-1829.23	-880.18	-0.15	0.0	165.0	-59.34	16.90	11.11	-2.93	962.86	-1571.64
431	8	176.39	108.45	-0.05	0.0	0.0	3.37	-0.49	-1.73	-0.68	108.45	176.39
		145.84	-178.12	-0.04	0.0	165.0	3.37	-0.49	-1.73	-0.68	-178.12	145.84
431	9	176.39	108.45	-0.05	0.0	0.0	3.37	-0.49	-1.73	-0.68	108.45	176.39
		145.84	-178.12	-0.04	0.0	165.0	3.37	-0.49	-1.73	-0.68	-178.12	145.84
431	10	-516.81	248.45	0.04	0.0	0.0	-14.61	5.70	2.80	1.10	-220.05	-516.81
		-726.45	-220.05	0.03	0.0	165.0	-14.61	5.70	2.80	1.10	248.45	-726.45
431	11	-588.09	344.91	-0.04	0.0	0.0	-19.24	6.23	4.00	-0.96	-317.62	-637.60
		-637.60	-317.62	-0.05	0.0	165.0	-19.24	6.23	4.00	-0.96	344.91	-588.09
431	12	0.43	1.04	6.29e-05	0.0	0.0	0.72	8.10e-03	-0.01	-8.13e-03	1.04	-0.91
		-0.91	-1.29	9.03e-05	0.0	165.0	0.72	8.10e-03	-0.01	-8.13e-03	-1.29	0.43
431	13	6471.98	478.17	-0.01	0.0	0.0	-141.52	79.46	-7.53	28.17	478.17	-6639.05
		-6639.05	-764.09	0.15	0.0	165.0	-141.52	79.46	-7.53	28.17	-764.09	6471.98
432	1	-2085.75	570.47	3.65e-03	-3.32	0.0	-0.15	-30.23	13.36	-4.29	118.03	-2085.75
		-3138.28	118.03	-3.84e-03	0.71	33.0	-0.15	-33.56	14.06	-4.29	570.47	-3138.28
432	2	-3081.45	1130.85	5.93e-03	0.0	0.0	1.42	-45.69	22.54	-28.17	387.13	-3081.45
		-4589.18	387.13	-8.12e-03	0.0	33.0	1.42	-45.69	22.54	-28.17	1130.85	-4589.18
432	3	-6027.97	2212.19	0.01	0.0	0.0	2.77	-89.38	44.09	-55.10	757.30	-6027.97
		-8977.41	757.30	-0.02	0.0	33.0	2.77	-89.38	44.09	-55.10	2212.19	-8977.41
432	4	455.65	-231.82	-0.03	0.0	0.0	10.18	-2.03	-7.31	-2.54	-231.82	455.65
		436.76	-415.82	-0.03	0.0	33.0	10.18	-2.03	-7.31	-2.54	-415.82	436.76
432	5	455.65	-231.82	-0.03	0.0	0.0	10.18	-2.03	-7.31	-2.54	-231.82	455.65
		436.76	-415.82	-0.03	0.0	33.0	10.18	-2.03	-7.31	-2.54	-415.82	436.76
432	6	-1936.84	508.80	0.03	0.0	0.0	-44.38	21.35	8.15	3.46	352.20	-1936.84
		-2534.45	352.20	0.01	0.0	33.0	-44.38	21.35	8.15	3.46	508.80	-2534.45
432	7	-1571.41	725.66	-0.03	0.0	0.0	-57.49	24.44	8.58	-3.45	482.04	-1571.41
		-2253.26	482.04	-0.02	0.0	33.0	-57.49	24.44	8.58	-3.45	725.66	-2253.26
432	8	145.84	-74.02	-0.01	0.0	0.0	3.24	-0.65	-2.33	-0.81	-74.02	145.84
		139.96	-132.22	-9.94e-03	0.0	33.0	3.24	-0.65	-2.33	-0.81	-132.22	139.96
432	9	145.84	-74.02	-0.01	0.0	0.0	3.24	-0.65	-2.33	-0.81	-74.02	145.84
		139.96	-132.22	-9.94e-03	0.0	33.0	3.24	-0.65	-2.33	-0.81	-132.22	139.96
432	10	-726.57	186.63	9.95e-03	0.0	0.0	-14.48	7.95	2.85	1.14	125.30	-726.57
		-951.23	125.30	4.26e-03	0.0	33.0	-14.48	7.95	2.85	1.14	186.63	-951.23
432	11	-588.00	264.59	-8.07e-03	0.0	0.0	-18.52	9.01	3.18	-1.15	171.35	-588.00
		-846.95	171.35	-7.16e-03	0.0	33.0	-18.52	9.01	3.18	-1.15	264.59	-846.95
432	12	0.63	0.42	1.29e-05	0.0	0.0	0.70	6.39e-03	-0.02	-0.04	0.42	0.41
		0.41	-0.08	-3.49e-06	0.0	33.0	0.70	6.39e-03	-0.02	-0.04	-0.08	0.63
432	13	1.024e+04	-206.17	0.01	0.0	0.0	-147.07	114.18	-27.75	71.94	-206.17	6473.95
		6473.95	-1121.88	8.69e-03	0.0	33.0	-147.07	114.18	-27.75	71.94	-1121.88	1.024e+04
433	1	-2118.62	582.86	-7.93e-04	-3.22	0.0	-0.24	33.37	-14.19	5.51	582.86	-3134.81
		-3134.81	139.71	3.80e-03	0.69	32.0	-0.24	30.14	-13.51	5.51	139.71	-2118.62
433	2	-3124.59	1165.32	-6.18e-04	0.0	0.0	1.17	45.50	-22.66	31.68	1165.32	-4580.69
		-4580.69	440.29	8.10e-03	0.0	32.0	1.17	45.50	-22.66	31.68	440.29	-3124.59
433	3	-6112.36	2279.62	-1.21e-03	0.0	0.0	2.28	89.01	-44.32	61.97	2279.62	-8960.80
		-8960.80	861.31	0.02	0.0	32.0	2.28	89.01	-44.32	61.97	861.31	-6112.36
433	4	441.89	486.45	-0.03	0.0	0.0	9.34	-0.87	-7.86	-2.44	486.45	435.56
		435.56	289.35	-0.03	0.0	32.0	9.34	-0.87	-7.86	-2.44	289.35	441.89
433	5	441.89	486.45	-0.03	0.0	0.0	9.34	-0.87	-7.86	-2.44	486.45	435.56
		435.56	289.35	-0.03	0.0	32.0	9.34	-0.87	-7.86	-2.44	289.35	441.89
433	6	-1924.03	640.69	0.03	0.0	0.0	-47.40	-21.12	-6.85	3.79	640.69	-2540.97
		-2540.97	509.44	0.02	0.0	32.0	-47.40	-21.12	-6.85	3.79	509.44	-1924.03
433	7	-1594.98	609.17	-0.02	0.0	0.0	-59.17	-24.59	-9.06	-2.92	609.17	-2249.39

		-2249.39	368.30	-0.02	0.0	32.0	-59.17	-24.59	-9.06	-2.92	368.30	-1594.98
433	8	141.62	154.67	-0.01	0.0	0.0	2.97	-0.28	-2.51	-0.78	154.67	139.58
		139.58	92.08	-9.38e-03	0.0	32.0	2.97	-0.28	-2.51	-0.78	92.08	141.62
433	9	141.62	154.67	-0.01	0.0	0.0	2.97	-0.28	-2.51	-0.78	154.67	139.58
		139.58	92.08	-9.38e-03	0.0	32.0	2.97	-0.28	-2.51	-0.78	92.08	141.62
433	10	-721.89	221.27	0.01	0.0	0.0	-15.38	-7.84	-2.52	1.25	221.27	-953.30
		-953.30	169.28	5.41e-03	0.0	32.0	-15.38	-7.84	-2.52	1.25	169.28	-721.89
433	11	-595.85	213.76	-7.35e-03	0.0	0.0	-18.97	-9.15	-3.09	-0.96	213.76	-845.65
		-845.65	129.67	-5.45e-03	0.0	32.0	-18.97	-9.15	-3.09	-0.96	129.67	-595.85
433	12	0.33	-0.19	1.32e-05	0.0	0.0	0.88	-5.51e-03	-6.61e-03	-0.04	-0.19	0.33
		0.15	-0.40	-4.86e-06	0.0	32.0	0.88	-5.51e-03	-6.61e-03	-0.04	-0.40	0.15
433	13	1.023e+04	427.77	0.03	0.0	0.0	-151.84	-112.18	29.45	-77.21	-514.49	1.023e+04
		6643.31	-514.49	-6.55e-04	0.0	32.0	-151.84	-112.18	29.45	-77.21	427.77	6643.31
434	1	1090.91	414.64	-0.03	-16.62	0.0	-2.96	27.76	-6.24	1.38	414.64	-2118.25
		-2118.25	-324.11	0.06	3.53	165.0	-2.96	11.14	-2.71	1.38	-324.11	1090.91
434	2	2067.00	1052.61	-0.05	0.0	0.0	-4.88	31.46	-12.48	13.06	1052.61	-3123.10
		-3123.10	-1006.05	0.16	0.0	165.0	-4.88	31.46	-12.48	13.06	-1006.05	2067.00
434	3	4043.49	2059.13	-0.09	0.0	0.0	-9.55	61.53	-24.41	25.54	2059.13	-6109.44
		-6109.44	-1968.04	0.31	0.0	165.0	-9.55	61.53	-24.41	25.54	-1968.04	4043.49
434	4	441.94	662.36	-0.17	0.0	0.0	8.50	-0.49	-6.47	-2.20	662.36	441.94
		411.92	-406.39	-0.12	0.0	165.0	8.50	-0.49	-6.47	-2.20	-406.39	411.92
434	5	441.94	662.36	-0.17	0.0	0.0	8.50	-0.49	-6.47	-2.20	662.36	441.94
		411.92	-406.39	-0.12	0.0	165.0	8.50	-0.49	-6.47	-2.20	-406.39	411.92
434	6	-1075.85	963.85	0.18	0.0	0.0	-50.94	-15.25	-10.53	3.59	963.85	-1924.56
		-1924.56	-783.23	0.18	0.0	165.0	-50.94	-15.25	-10.53	3.59	-783.23	-1075.85
434	7	-1594.85	737.81	-0.12	0.0	0.0	-61.83	-16.99	-8.63	-3.11	737.81	-1594.85
		-1884.71	-694.06	-0.05	0.0	165.0	-61.83	-16.99	-8.63	-3.11	-694.06	-1884.71
434	8	141.64	210.65	-0.05	0.0	0.0	2.71	-0.16	-2.06	-0.70	210.65	141.64
		132.03	-129.25	-0.04	0.0	165.0	2.71	-0.16	-2.06	-0.70	-129.25	132.03
434	9	141.64	210.65	-0.05	0.0	0.0	2.71	-0.16	-2.06	-0.70	210.65	141.64
		132.03	-129.25	-0.04	0.0	165.0	2.71	-0.16	-2.06	-0.70	-129.25	132.03
434	10	-374.83	322.69	0.06	0.0	0.0	-16.54	-5.67	-3.56	1.18	322.69	-722.07
		-722.07	-268.70	0.06	0.0	165.0	-16.54	-5.67	-3.56	1.18	-268.70	-374.83
434	11	-595.81	259.15	-0.04	0.0	0.0	-19.86	-6.33	-3.04	-1.00	259.15	-595.81
		-675.21	-245.06	-0.02	0.0	165.0	-19.86	-6.33	-3.04	-1.00	-245.06	-675.21
434	12	0.13	1.08	6.64e-05	0.0	0.0	0.87	-4.43e-03	-0.01	-0.02	1.08	0.13
		-0.60	-0.72	7.17e-05	0.0	165.0	0.87	-4.43e-03	-0.01	-0.02	-0.72	-0.60
434	13	6640.10	422.64	0.21	0.0	0.0	-151.77	-77.30	-3.83	-30.82	422.64	6640.10
		-6114.24	-208.80	0.05	0.0	165.0	-151.77	-77.30	-3.83	-30.82	-208.80	-6114.24
435	1	1452.16	-84.71	-6.22e-03	-16.62	0.0	-5.19	8.53	-1.76	-0.02	-85.70	1091.23
		1091.23	-158.06	8.36e-03	3.53	165.0	-5.19	-8.09	1.77	-0.02	-84.71	1127.62
435	2	2128.00	-359.22	-8.95e-03	0.0	0.0	-10.90	0.36	0.03	-0.10	-363.75	2068.68
		2068.68	-363.75	0.02	0.0	165.0	-10.90	0.36	0.03	-0.10	-359.22	2128.00
435	3	4162.81	-702.71	-0.02	0.0	0.0	-21.33	0.70	0.05	-0.20	-711.56	4046.77
		4046.77	-711.56	0.04	0.0	165.0	-21.33	0.70	0.05	-0.20	-702.71	4162.81
435	4	412.27	410.73	-0.17	0.0	0.0	5.71	-0.90	-4.96	2.05	410.73	412.27
		265.29	-408.61	-0.13	0.0	165.0	5.71	-0.90	-4.96	2.05	-408.61	265.29
435	5	412.27	410.73	-0.17	0.0	0.0	5.71	-0.90	-4.96	2.05	410.73	412.27
		265.29	-408.61	-0.13	0.0	165.0	5.71	-0.90	-4.96	2.05	-408.61	265.29
435	6	-1075.64	-458.66	0.17	0.0	0.0	-56.84	-4.53	-4.77	3.66	-458.66	-1075.64
		-1435.66	-468.53	0.14	0.0	165.0	-56.84	-4.53	-4.77	3.66	-468.53	-1435.66
435	7	-1885.07	-280.67	-0.15	0.0	0.0	-64.35	3.21	3.18	-3.18	-442.01	-1885.07
		-2140.76	-442.01	-0.12	0.0	165.0	-64.35	3.21	3.18	-3.18	-280.67	-2140.76
435	8	132.15	130.60	-0.06	0.0	0.0	1.82	-0.29	-1.58	0.65	130.60	132.15
		85.05	-129.93	-0.04	0.0	165.0	1.82	-0.29	-1.58	0.65	-129.93	85.05
435	9	132.15	130.60	-0.06	0.0	0.0	1.82	-0.29	-1.58	0.65	130.60	132.15
		85.05	-129.93	-0.04	0.0	165.0	1.82	-0.29	-1.58	0.65	-129.93	85.05
435	10	-374.78	-154.77	0.05	0.0	0.0	-18.38	-1.68	-1.64	1.21	-167.68	-374.78
		-509.48	-167.68	0.05	0.0	165.0	-18.38	-1.68	-1.64	1.21	-154.77	-509.48
435	11	-675.31	-96.31	-0.05	0.0	0.0	-20.69	1.19	1.09	-1.03	-154.75	-675.31
		-775.39	-154.75	-0.04	0.0	165.0	-20.69	1.19	1.09	-1.03	-96.31	-775.39
435	12	-0.60	0.38	4.60e-05	0.0	0.0	0.86	-8.92e-04	-4.89e-03	0.01	0.38	-0.60
		-0.74	-0.42	7.08e-05	0.0	165.0	0.86	-8.92e-04	-4.89e-03	0.01	-0.42	-0.74
435	13	-6118.29	190.60	0.06	0.0	0.0	-155.58	-0.34	-2.44	0.96	190.60	-6118.29
		-6174.15	-211.46	0.06	0.0	165.0	-155.58	-0.34	-2.44	0.96	-211.46	-6174.15
436	1	1127.30	412.76	0.04	-16.62	0.0	-2.94	-10.69	2.70	-1.23	-324.85	1127.30
		-2007.44	-324.85	-0.06	3.53	165.0	-2.94	-27.31	6.24	-1.23	412.76	-2007.44
436	2	2126.29	1052.28	0.06	0.0	0.0	-4.80	-30.70	12.50	-12.73	-1010.12	2126.29
		-2939.74	-1010.12	-0.16	0.0	165.0	-4.80	-30.70	12.50	-12.73	1052.28	-2939.74
436	3	4159.47	2058.47	0.11	0.0	0.0	-9.38	-60.06	24.45	-24.91	-1976.01	4159.47
		-5750.75	-1976.01	-0.31	0.0	165.0	-9.38	-60.06	24.45	-24.91	2058.47	-5750.75
436	4	265.74	404.92	-0.18	0.0	0.0	2.55	-1.36	-6.45	-2.23	404.92	265.74
		42.27	-660.11	-0.13	0.0	165.0	2.55	-1.36	-6.45	-2.23	-660.11	42.27
436	5	265.74	404.92	-0.18	0.0	0.0	2.55	-1.36	-6.45	-2.23	404.92	265.74
		42.27	-660.11	-0.13	0.0	165.0	2.55	-1.36	-6.45	-2.23	-660.11	42.27
436	6	-1334.99	853.79	0.16	0.0	0.0	-57.51	11.45	9.30	3.57	-693.43	-1435.34

		-1435.34	-693.43	0.08	0.0	165.0	-57.51	11.45	9.30	3.57	853.79	-1334.99
436	7	-1364.11	960.79	-0.18	0.0	0.0	-60.58	14.10	10.66	-3.24	-801.83	-2141.29
		-2141.29	-801.83	-0.18	0.0	165.0	-60.58	14.10	10.66	-3.24	960.79	-1364.11
436	8	85.19	128.75	-0.06	0.0	0.0	0.81	-0.44	-2.05	-0.71	128.75	85.19
		13.56	-209.90	-0.04	0.0	165.0	0.81	-0.44	-2.05	-0.71	-209.90	13.56
436	9	85.19	128.75	-0.06	0.0	0.0	0.81	-0.44	-2.05	-0.71	128.75	85.19
		13.56	-209.90	-0.04	0.0	165.0	0.81	-0.44	-2.05	-0.71	-209.90	13.56
436	10	-480.91	317.22	0.05	0.0	0.0	-18.42	4.23	3.46	1.17	-257.11	-509.39
		-509.39	-257.11	0.03	0.0	165.0	-18.42	4.23	3.46	1.17	317.22	-480.91
436	11	-491.63	335.35	-0.06	0.0	0.0	-19.38	5.20	3.73	-1.05	-280.91	-775.58
		-775.58	-280.91	-0.06	0.0	165.0	-19.38	5.20	3.73	-1.05	335.35	-491.63
436	12	-0.59	0.34	1.78e-05	0.0	0.0	0.85	8.89e-04	-4.47e-03	0.01	0.34	-0.74
		-0.74	-0.40	5.67e-05	0.0	165.0	0.85	8.89e-04	-4.47e-03	0.01	-0.40	-0.59
436	13	6460.11	156.35	-0.11	0.0	0.0	-159.09	76.54	-2.20	31.55	156.35	-6169.47
		-6169.47	-207.04	0.05	0.0	165.0	-159.09	76.54	-2.20	31.55	-207.04	6460.11
437	1	-2007.63	588.79	2.19e-03	-3.32	0.0	-0.16	-29.69	13.50	-4.89	131.52	-2007.63
		-3042.18	131.52	-4.03e-03	0.71	33.0	-0.16	-33.01	14.21	-4.89	588.79	-3042.18
437	2	-2940.83	1183.30	3.20e-03	0.0	0.0	1.41	-44.72	23.03	-29.65	423.46	-2940.83
		-4416.64	423.46	-8.63e-03	0.0	33.0	1.41	-44.72	23.03	-29.65	1183.30	-4416.64
437	3	-5752.89	2314.78	6.25e-03	0.0	0.0	2.75	-87.48	45.04	-58.00	828.37	-5752.89
		-8639.88	828.37	-0.02	0.0	33.0	2.75	-87.48	45.04	-58.00	2314.78	-8639.88
437	4	42.59	-284.65	-0.03	0.0	0.0	1.29	-1.41	-7.76	-2.52	-284.65	42.59
		9.39	-480.43	-0.03	0.0	33.0	1.29	-1.41	-7.76	-2.52	-480.43	9.39
437	5	42.59	-284.65	-0.03	0.0	0.0	1.29	-1.41	-7.76	-2.52	-284.65	42.59
		9.39	-480.43	-0.03	0.0	33.0	1.29	-1.41	-7.76	-2.52	-480.43	9.39
437	6	-1335.17	630.00	0.03	0.0	0.0	-56.68	18.56	8.26	3.21	440.91	-1335.17
		-1755.90	440.91	0.02	0.0	33.0	-56.68	18.56	8.26	3.21	630.00	-1755.90
437	7	-1363.90	683.65	-0.03	0.0	0.0	-57.88	21.68	6.92	-3.79	495.51	-1363.90
		-1767.18	495.51	-0.02	0.0	33.0	-57.88	21.68	6.92	-3.79	683.65	-1767.18
437	8	13.66	-90.55	-0.01	0.0	0.0	0.41	-0.45	-2.47	-0.80	-90.55	13.66
		2.99	-152.78	-0.01	0.0	33.0	0.41	-0.45	-2.47	-0.80	-152.78	2.99
437	9	13.66	-90.55	-0.01	0.0	0.0	0.41	-0.45	-2.47	-0.80	-90.55	13.66
		2.99	-152.78	-0.01	0.0	33.0	0.41	-0.45	-2.47	-0.80	-152.78	2.99
437	10	-480.96	232.93	0.01	0.0	0.0	-18.08	6.86	2.85	1.05	163.44	-480.96
		-642.45	163.44	5.16e-03	0.0	33.0	-18.08	6.86	2.85	1.05	232.93	-642.45
437	11	-491.56	243.90	-0.01	0.0	0.0	-18.47	8.01	2.55	-1.26	171.86	-491.56
		-646.41	171.86	-6.60e-03	0.0	33.0	-18.47	8.01	2.55	-1.26	243.90	-646.41
437	12	-0.57	-0.13	0.0	0.0	0.0	0.85	5.79e-04	-6.28e-03	1.57e-03	-0.13	-0.59
		-0.59	-0.34	2.49e-06	0.0	33.0	0.85	5.79e-04	-6.28e-03	1.57e-03	-0.34	-0.57
437	13	1.014e+04	97.38	-7.33e-03	0.0	0.0	-162.13	111.34	-29.09	73.85	97.38	6463.07
		6463.07	-862.45	4.88e-03	0.0	33.0	-162.13	111.34	-29.09	73.85	-862.45	1.014e+04
438	1	-2036.82	590.44	-2.07e-03	-3.22	0.0	-0.18	33.03	-14.42	5.01	590.44	-3042.19
		-3042.19	140.04	3.82e-03	0.69	32.0	-0.18	29.81	-13.73	5.01	140.04	-2036.82
438	2	-2980.43	1187.17	-3.02e-03	0.0	0.0	1.37	44.88	-23.26	30.43	1187.17	-4416.64
		-4416.64	442.86	8.16e-03	0.0	32.0	1.37	44.88	-23.26	30.43	442.86	-2980.43
438	3	-5830.36	2322.35	-5.91e-03	0.0	0.0	2.69	87.80	-45.50	59.54	2322.35	-8639.89
		-8639.89	866.33	0.02	0.0	32.0	2.69	87.80	-45.50	59.54	866.33	-5830.36
438	4	-8.93	471.30	-0.04	0.0	0.0	-1.33	-1.41	-7.42	-2.52	471.30	-8.93
		-42.10	295.68	-0.03	0.0	32.0	-1.33	-1.41	-7.42	-2.52	295.68	-42.10
438	5	-8.93	471.30	-0.04	0.0	0.0	-1.33	-1.41	-7.42	-2.52	471.30	-8.93
		-42.10	295.68	-0.03	0.0	32.0	-1.33	-1.41	-7.42	-2.52	295.68	-42.10
438	6	-1367.47	684.99	0.03	0.0	0.0	-57.97	-21.76	-6.84	3.80	684.99	-1761.49
		-1761.49	509.06	0.02	0.0	32.0	-57.97	-21.76	-6.84	3.80	509.06	-1367.47
438	7	-1346.99	630.82	-0.03	0.0	0.0	-56.61	-18.74	-8.29	-3.22	630.82	-1761.65
		-1761.65	450.69	-0.02	0.0	32.0	-56.61	-18.74	-8.29	-3.22	450.69	-1346.99
438	8	-2.84	149.89	-0.01	0.0	0.0	-0.43	-0.45	-2.37	-0.80	149.89	-2.84
		-13.50	94.05	-0.01	0.0	32.0	-0.43	-0.45	-2.37	-0.80	94.05	-13.50
438	9	-2.84	149.89	-0.01	0.0	0.0	-0.43	-0.45	-2.37	-0.80	149.89	-2.84
		-13.50	94.05	-0.01	0.0	32.0	-0.43	-0.45	-2.37	-0.80	94.05	-13.50
438	10	-492.93	244.42	0.01	0.0	0.0	-18.49	-8.04	-2.52	1.27	244.42	-644.18
		-644.18	176.56	6.35e-03	0.0	32.0	-18.49	-8.04	-2.52	1.27	176.56	-492.93
438	11	-485.60	233.19	-0.01	0.0	0.0	-18.06	-6.93	-2.85	-1.05	233.19	-644.71
		-644.71	167.08	-5.03e-03	0.0	32.0	-18.06	-6.93	-2.85	-1.05	167.08	-485.60
438	12	-0.57	-0.13	0.0	0.0	0.0	0.85	-5.77e-04	6.79e-03	-1.45e-03	-0.35	-0.57
		-0.59	-0.35	-2.41e-06	0.0	32.0	0.85	-5.77e-04	6.79e-03	-1.45e-03	-0.13	-0.59
438	13	1.014e+04	92.42	6.79e-03	0.0	0.0	-162.11	-111.75	29.88	-75.82	-863.84	1.014e+04
		6561.47	-863.84	-4.88e-03	0.0	32.0	-162.11	-111.75	29.88	-75.82	92.42	6561.47
439	1	1117.59	417.29	-0.04	-16.62	0.0	-2.92	27.43	-6.27	1.22	417.29	-2036.63
		-2036.63	-325.86	0.06	3.53	165.0	-2.92	10.81	-2.74	1.22	-325.86	1117.59
439	2	2112.88	1062.67	-0.06	0.0	0.0	-4.75	30.86	-12.58	12.73	1062.67	-2979.37
		-2979.37	-1012.38	0.16	0.0	165.0	-4.75	30.86	-12.58	12.73	-1012.38	2112.88
439	3	4133.24	2078.81	-0.11	0.0	0.0	-9.28	60.37	-24.60	24.91	2078.81	-5828.28
		-5828.28	-1980.43	0.31	0.0	165.0	-9.28	60.37	-24.60	24.91	-1980.43	4133.24
439	4	-41.78	664.58	-0.18	0.0	0.0	-2.57	-1.36	-6.48	-2.23	664.58	-41.78
		-265.51	-405.32	-0.13	0.0	165.0	-2.57	-1.36	-6.48	-2.23	-405.32	-265.51
439	5	-41.78	664.58	-0.18	0.0	0.0	-2.57	-1.36	-6.48	-2.23	664.58	-41.78

		-265.51	-405.32	-0.13	0.0	165.0	-2.57	-1.36	-6.48	-2.23	-405.32	-265.51
439	6	-1367.68	966.68	0.18	0.0	0.0	-60.64	-14.18	-10.70	3.24	966.68	-1367.68
		-2142.46	-801.95	0.18	0.0	165.0	-60.64	-14.18	-10.70	3.24	-801.95	-2142.46
439	7	-1346.80	855.95	-0.16	0.0	0.0	-57.43	-11.63	-9.30	-3.57	855.95	-1346.80
		-1443.90	-691.23	-0.08	0.0	165.0	-57.43	-11.63	-9.30	-3.57	-691.23	-1443.90
439	8	-13.40	211.32	-0.06	0.0	0.0	-0.82	-0.44	-2.06	-0.71	211.32	-13.40
		-85.12	-128.88	-0.04	0.0	165.0	-0.82	-0.44	-2.06	-0.71	-128.88	-85.12
439	9	-13.40	211.32	-0.06	0.0	0.0	-0.82	-0.44	-2.06	-0.71	211.32	-13.40
		-85.12	-128.88	-0.04	0.0	165.0	-0.82	-0.44	-2.06	-0.71	-128.88	-85.12
439	10	-493.00	337.33	0.06	0.0	0.0	-19.40	-5.23	-3.74	1.05	337.33	-493.00
		-776.11	-280.86	0.06	0.0	165.0	-19.40	-5.23	-3.74	1.05	-280.86	-776.11
439	11	-485.55	317.96	-0.05	0.0	0.0	-18.39	-4.30	-3.46	-1.17	317.96	-485.55
		-512.94	-256.20	-0.03	0.0	165.0	-18.39	-4.30	-3.46	-1.17	-256.20	-512.94
439	12	-0.59	0.34	-1.76e-05	0.0	0.0	0.85	-8.91e-04	4.45e-03	-0.01	-0.40	-0.59
		-0.74	-0.40	-5.66e-05	0.0	165.0	0.85	-8.91e-04	4.45e-03	-0.01	0.34	-0.74
439	13	6558.59	154.59	0.11	0.0	0.0	-159.13	-76.94	2.19	-31.56	-206.13	6558.59
		-6136.95	-206.13	-0.06	0.0	165.0	-159.13	-76.94	2.19	-31.56	154.59	-6136.95
440	1	1452.32	-83.49	-8.16e-03	-16.62	0.0	-5.19	8.21	-1.79	0.04	-83.49	1117.91
		1101.28	-158.06	8.65e-03	3.53	165.0	-5.19	-8.41	1.75	0.04	-86.93	1101.28
440	2	2114.60	-355.94	-0.01	0.0	0.0	-10.90	-0.19	-0.07	0.16	-355.94	2114.60
		2082.52	-367.03	0.02	0.0	165.0	-10.90	-0.19	-0.07	0.16	-367.03	2082.52
440	3	4136.61	-696.29	-0.03	0.0	0.0	-21.33	-0.38	-0.13	0.31	-696.29	4136.61
		4073.84	-717.99	0.04	0.0	165.0	-21.33	-0.38	-0.13	0.31	-717.99	4073.84
440	4	-265.06	408.40	-0.17	0.0	0.0	-5.72	-0.90	-4.96	2.05	408.40	-265.06
		-412.34	-410.91	-0.13	0.0	165.0	-5.72	-0.90	-4.96	2.05	-410.91	-412.34
440	5	-265.06	408.40	-0.17	0.0	0.0	-5.72	-0.90	-4.96	2.05	408.40	-265.06
		-412.34	-410.91	-0.13	0.0	165.0	-5.72	-0.90	-4.96	2.05	-410.91	-412.34
440	6	-1897.82	-279.10	0.15	0.0	0.0	-64.45	-3.17	-3.20	3.17	-279.10	-2141.93
		-2141.93	-444.46	0.12	0.0	165.0	-64.45	-3.17	-3.20	3.17	-444.46	-1897.82
440	7	-1094.28	-460.12	-0.17	0.0	0.0	-56.80	4.49	4.77	-3.67	-466.78	-1444.21
		-1444.21	-466.78	-0.14	0.0	165.0	-56.80	4.49	4.77	-3.67	-460.12	-1094.28
440	8	-84.97	129.87	-0.06	0.0	0.0	-1.82	-0.29	-1.58	0.65	129.87	-84.97
		-132.17	-130.66	-0.04	0.0	165.0	-1.82	-0.29	-1.58	0.65	-130.66	-132.17
440	9	-84.97	129.87	-0.06	0.0	0.0	-1.82	-0.29	-1.58	0.65	129.87	-84.97
		-132.17	-130.66	-0.04	0.0	165.0	-1.82	-0.29	-1.58	0.65	-130.66	-132.17
440	10	-680.17	-95.76	0.05	0.0	0.0	-20.72	-1.17	-1.10	1.02	-95.76	-775.92
		-775.92	-155.63	0.04	0.0	165.0	-20.72	-1.17	-1.10	1.02	-155.63	-680.17
440	11	-382.22	-154.22	-0.05	0.0	0.0	-18.37	1.67	1.64	-1.21	-154.22	-513.03
		-513.03	-168.29	-0.05	0.0	165.0	-18.37	1.67	1.64	-1.21	-168.29	-382.22
440	12	-0.60	0.39	-4.59e-05	0.0	0.0	0.86	8.73e-04	4.92e-03	-0.01	-0.43	-0.74
		-0.74	-0.43	-7.08e-05	0.0	165.0	0.86	8.73e-04	4.92e-03	-0.01	0.39	-0.60
440	13	-6141.67	187.32	-0.05	0.0	0.0	-155.66	-0.08	2.40	-1.10	-208.40	-6141.67
		-6154.12	-208.40	-0.06	0.0	165.0	-155.66	-0.08	2.40	-1.10	187.32	-6154.12
441	1	1100.96	410.13	0.03	-16.62	0.0	-2.98	-11.02	2.68	-1.38	-323.10	1100.96
		-2088.70	-323.10	-0.06	3.53	165.0	-2.98	-27.64	6.21	-1.38	410.13	-2088.70
441	2	2080.86	1042.27	0.05	0.0	0.0	-4.93	-31.30	12.40	-13.05	-1003.79	2080.86
		-3082.95	-1003.79	-0.16	0.0	165.0	-4.93	-31.30	12.40	-13.05	1042.27	-3082.95
441	3	4070.60	2038.91	0.09	0.0	0.0	-9.65	-61.22	24.26	-25.53	-1963.62	4070.60
		-6030.90	-1963.62	-0.31	0.0	165.0	-9.65	-61.22	24.26	-25.53	2038.91	-6030.90
441	4	-411.98	405.86	-0.17	0.0	0.0	-8.50	-0.49	-6.44	-2.19	405.86	-411.98
		-442.17	-657.68	-0.12	0.0	165.0	-8.50	-0.49	-6.44	-2.19	-657.68	-442.17
441	5	-411.98	405.86	-0.17	0.0	0.0	-8.50	-0.49	-6.44	-2.19	405.86	-411.98
		-442.17	-657.68	-0.12	0.0	165.0	-8.50	-0.49	-6.44	-2.19	-657.68	-442.17
441	6	-1572.97	731.80	0.12	0.0	0.0	-61.96	16.93	8.59	3.10	-693.14	-1897.46
		-1897.46	-693.14	0.05	0.0	165.0	-61.96	16.93	8.59	3.10	731.80	-1572.97
441	7	-1094.50	957.32	-0.18	0.0	0.0	-50.95	15.29	10.48	-3.60	-782.55	-1094.50
		-1908.11	-782.55	-0.18	0.0	165.0	-50.95	15.29	10.48	-3.60	957.32	-1908.11
441	8	-132.05	129.08	-0.05	0.0	0.0	-2.71	-0.16	-2.05	-0.70	129.08	-132.05
		-141.71	-209.16	-0.04	0.0	165.0	-2.71	-0.16	-2.05	-0.70	-209.16	-141.71
441	9	-132.05	129.08	-0.05	0.0	0.0	-2.71	-0.16	-2.05	-0.70	129.08	-132.05
		-141.71	-209.16	-0.04	0.0	165.0	-2.71	-0.16	-2.05	-0.70	-209.16	-141.71
441	10	-587.35	257.06	0.04	0.0	0.0	-19.90	6.31	3.03	1.00	-244.76	-680.07
		-680.07	-244.76	0.02	0.0	165.0	-19.90	6.31	3.03	1.00	257.06	-587.35
441	11	-382.27	320.53	-0.06	0.0	0.0	-16.54	5.68	3.55	-1.19	-268.52	-382.27
		-715.88	-268.52	-0.06	0.0	165.0	-16.54	5.68	3.55	-1.19	320.53	-715.88
441	12	0.13	1.06	-6.64e-05	0.0	0.0	0.87	4.41e-03	0.01	0.02	-0.71	-0.60
		-0.60	-0.71	-7.31e-05	0.0	165.0	0.87	4.41e-03	0.01	0.02	1.06	0.13
441	13	6538.08	420.01	-0.22	0.0	0.0	-151.89	76.90	3.80	30.80	-207.71	-6150.11
		-6150.11	-207.71	-0.05	0.0	165.0	-151.89	76.90	3.80	30.80	420.01	6538.08
442	1	-2089.07	581.28	1.07e-03	-3.32	0.0	-0.22	-30.03	13.28	-5.39	131.25	-2089.07
		-3134.78	131.25	-4.01e-03	0.71	33.0	-0.22	-33.35	13.99	-5.39	581.28	-3134.78
442	2	-3084.46	1161.68	1.19e-03	0.0	0.0	1.20	-45.34	22.44	-30.89	421.05	-3084.46
		-4580.79	421.05	-8.55e-03	0.0	33.0	1.20	-45.34	22.44	-30.89	1161.68	-4580.79
442	3	-6033.85	2272.49	2.34e-03	0.0	0.0	2.34	-88.70	43.90	-60.42	823.66	-6033.85
		-8960.99	823.66	-0.02	0.0	33.0	2.34	-88.70	43.90	-60.42	2272.49	-8960.99
442	4	-435.58	-277.91	-0.03	0.0	0.0	-9.37	-0.87	-8.20	-2.44	-277.91	-442.12

		-442.12	-495.81	-0.03	0.0	33.0	-9.37	-0.87	-8.20	-2.44	-495.81	-435.58
442	5	-435.58	-277.91	-0.03	0.0	0.0	-9.37	-0.87	-8.20	-2.44	-277.91	-442.12
		-442.12	-495.81	-0.03	0.0	33.0	-9.37	-0.87	-8.20	-2.44	-495.81	-435.58
442	6	-1573.10	607.92	0.02	0.0	0.0	-59.27	24.56	9.07	2.92	356.68	-1573.10
		-2245.24	356.68	0.02	0.0	33.0	-59.27	24.56	9.07	2.92	607.92	-2245.24
442	7	-1907.57	640.06	-0.03	0.0	0.0	-47.36	21.20	6.92	-3.79	495.85	-1907.57
		-2545.44	495.85	-0.02	0.0	33.0	-47.36	21.20	6.92	-3.79	640.06	-2545.44
442	8	-139.58	-88.44	-0.01	0.0	0.0	-2.98	-0.28	-2.61	-0.78	-88.44	-141.69
		-141.69	-157.65	-9.65e-03	0.0	33.0	-2.98	-0.28	-2.61	-0.78	-157.65	-139.58
442	9	-139.58	-88.44	-0.01	0.0	0.0	-2.98	-0.28	-2.61	-0.78	-88.44	-141.69
		-141.69	-157.65	-9.65e-03	0.0	33.0	-2.98	-0.28	-2.61	-0.78	-157.65	-139.58
442	10	-587.40	213.37	7.54e-03	0.0	0.0	-19.00	9.13	3.10	0.95	125.57	-587.40
		-844.08	125.57	5.57e-03	0.0	33.0	-19.00	9.13	3.10	0.95	213.37	-844.08
442	11	-715.69	221.10	-0.01	0.0	0.0	-15.36	7.87	2.55	-1.25	164.70	-715.69
		-955.01	164.70	-5.62e-03	0.0	33.0	-15.36	7.87	2.55	-1.25	221.10	-955.01
442	12	0.32	-0.07	-1.36e-05	0.0	0.0	0.88	5.52e-03	0.01	0.04	-0.44	0.14
		0.14	-0.44	4.47e-06	0.0	33.0	0.88	5.52e-03	0.01	0.04	-0.07	0.32
442	13	1.023e+04	426.11	-0.03	0.0	0.0	-151.97	111.77	-28.50	75.22	426.11	6541.35
		6541.35	-514.22	5.58e-04	0.0	33.0	-151.97	111.77	-28.50	75.22	-514.22	1.023e+04
443	1	-2115.44	572.06	-3.48e-03	-3.22	0.0	-0.17	33.57	-14.27	4.42	572.06	-3138.27
		-3138.27	126.27	3.64e-03	0.69	32.0	-0.17	30.35	-13.59	4.42	126.27	-2115.44
443	2	-3121.98	1134.52	-5.67e-03	0.0	0.0	1.38	45.85	-22.77	28.96	1134.52	-4589.29
		-4589.29	405.76	7.68e-03	0.0	32.0	1.38	45.85	-22.77	28.96	405.76	-3121.98
443	3	-6107.25	2219.36	-0.01	0.0	0.0	2.70	89.70	-44.55	56.65	2219.36	-8977.62
		-8977.62	793.74	0.02	0.0	32.0	2.70	89.70	-44.55	56.65	793.74	-6107.25
443	4	-436.77	406.15	-0.03	0.0	0.0	-10.20	-2.04	-6.98	-2.55	406.15	-436.77
		-455.08	241.87	-0.03	0.0	32.0	-10.20	-2.04	-6.98	-2.55	241.87	-455.08
443	5	-436.77	406.15	-0.03	0.0	0.0	-10.20	-2.04	-6.98	-2.55	406.15	-436.77
		-455.08	241.87	-0.03	0.0	32.0	-10.20	-2.04	-6.98	-2.55	241.87	-455.08
443	6	-1583.90	725.97	0.02	0.0	0.0	-57.60	-24.53	-8.49	3.47	725.97	-2249.10
		-2249.10	495.14	0.02	0.0	32.0	-57.60	-24.53	-8.49	3.47	495.14	-1583.90
443	7	-1957.27	510.27	-0.03	0.0	0.0	-44.36	-21.39	-8.23	-3.47	510.27	-2538.85
		-2538.85	360.94	-0.01	0.0	32.0	-44.36	-21.39	-8.23	-3.47	360.94	-1957.27
443	8	-139.96	129.15	-0.01	0.0	0.0	-3.25	-0.65	-2.23	-0.81	129.15	-139.96
		-145.67	77.21	-9.65e-03	0.0	32.0	-3.25	-0.65	-2.23	-0.81	77.21	-145.67
443	9	-139.96	129.15	-0.01	0.0	0.0	-3.25	-0.65	-2.23	-0.81	129.15	-139.96
		-145.67	77.21	-9.65e-03	0.0	32.0	-3.25	-0.65	-2.23	-0.81	77.21	-145.67
443	10	-592.82	264.74	7.79e-03	0.0	0.0	-18.56	-9.05	-3.15	1.15	264.74	-845.38
		-845.38	176.06	6.89e-03	0.0	32.0	-18.56	-9.05	-3.15	1.15	176.06	-592.82
443	11	-734.29	187.15	-9.65e-03	0.0	0.0	-14.48	-7.96	-2.87	-1.14	187.15	-952.92
		-952.92	128.59	-4.14e-03	0.0	32.0	-14.48	-7.96	-2.87	-1.14	128.59	-734.29
443	12	0.62	0.39	-1.25e-05	0.0	0.0	0.70	-6.39e-03	0.01	0.04	0.02	0.62
		0.42	0.02	3.86e-06	0.0	32.0	0.70	-6.39e-03	0.01	0.04	0.39	0.42
443	13	1.024e+04	-218.04	-0.01	0.0	0.0	-147.15	-114.60	28.34	-73.93	-1124.95	1.024e+04
		6571.69	-1124.95	-8.54e-03	0.0	32.0	-147.15	-114.60	28.34	-73.93	-218.04	6571.69
444	1	1131.46	390.56	-0.04	-16.62	0.0	-2.78	27.99	-6.01	0.39	390.56	-2115.54
		-2115.54	-310.37	0.06	3.53	165.0	-2.78	11.37	-2.48	0.39	-310.37	1131.46
444	2	2136.66	989.47	-0.07	0.0	0.0	-4.38	31.87	-11.87	10.60	989.47	-3121.62
		-3121.62	-969.81	0.15	0.0	165.0	-4.38	31.87	-11.87	10.60	-969.81	2136.66
444	3	4179.76	1935.61	-0.14	0.0	0.0	-8.57	62.34	-23.23	20.73	1935.61	-6106.55
		-6106.55	-1897.15	0.29	0.0	165.0	-8.57	62.34	-23.23	20.73	-1897.15	4179.76
444	4	-455.06	563.57	-0.16	0.0	0.0	-10.59	-1.55	-5.48	-2.13	563.57	-455.06
		-553.27	-341.24	-0.13	0.0	165.0	-10.59	-1.55	-5.48	-2.13	-341.24	-553.27
444	5	-455.06	563.57	-0.16	0.0	0.0	-10.59	-1.55	-5.48	-2.13	563.57	-455.06
		-553.27	-341.24	-0.13	0.0	165.0	-10.59	-1.55	-5.48	-2.13	-341.24	-553.27
444	6	-1584.13	967.46	0.13	0.0	0.0	-59.43	-16.98	-11.13	2.93	967.46	-1584.13
		-1825.64	-879.56	0.15	0.0	165.0	-59.43	-16.98	-11.13	2.93	-879.56	-1825.64
444	7	-1415.06	694.86	-0.14	0.0	0.0	-44.43	-15.33	-7.70	-3.40	694.86	-1956.87
		-1956.87	-597.38	-0.09	0.0	165.0	-44.43	-15.33	-7.70	-3.40	-597.38	-1415.06
444	8	-145.66	179.49	-0.05	0.0	0.0	-3.37	-0.49	-1.74	-0.68	179.49	-145.66
		-176.30	-108.62	-0.04	0.0	165.0	-3.37	-0.49	-1.74	-0.68	-108.62	-176.30
444	9	-145.66	179.49	-0.05	0.0	0.0	-3.37	-0.49	-1.74	-0.68	179.49	-145.66
		-176.30	-108.62	-0.04	0.0	165.0	-3.37	-0.49	-1.74	-0.68	-108.62	-176.30
444	10	-592.91	346.54	0.04	0.0	0.0	-19.26	-6.26	-4.01	0.96	346.54	-592.91
		-636.24	-317.35	0.05	0.0	165.0	-19.26	-6.26	-4.01	0.96	-317.35	-636.24
444	11	-513.15	249.88	-0.04	0.0	0.0	-14.61	-5.72	-2.81	-1.10	249.88	-734.16
		-734.16	-220.73	-0.03	0.0	165.0	-14.61	-5.72	-2.81	-1.10	-220.73	-513.15
444	12	0.43	1.05	-6.29e-05	0.0	0.0	0.72	-8.07e-03	0.01	8.41e-03	-1.31	0.43
		-0.90	-1.31	-8.96e-05	0.0	165.0	0.72	-8.07e-03	0.01	8.41e-03	1.05	-0.90
444	13	6569.78	477.07	0.01	0.0	0.0	-141.69	-79.87	7.54	-28.18	-766.84	6569.78
		-6608.59	-766.84	-0.15	0.0	165.0	-141.69	-79.87	7.54	-28.18	477.07	-6608.59
445	1	1522.42	-69.38	-0.01	-16.62	0.0	-4.74	8.89	-1.58	-0.55	-100.81	1131.43
		1131.43	-158.77	6.10e-03	3.53	165.0	-4.74	-7.73	1.96	-0.55	-69.38	1226.76
445	2	2324.82	-318.88	-0.02	0.0	0.0	-9.68	1.14	0.51	-1.26	-403.56	2137.51
		2137.51	-403.56	0.01	0.0	165.0	-9.68	1.14	0.51	-1.26	-318.88	2324.82
445	3	4547.83	-623.80	-0.04	0.0	0.0	-18.93	2.22	1.00	-2.46	-789.45	4181.42

		4181.42	-789.45	0.03	0.0	165.0	-18.93	2.22	1.00	-2.46	-623.80	4547.83
445	4	-526.20	380.18	-0.15	0.0	0.0	-11.39	-0.90	-4.42	-1.81	380.18	-552.92
		-552.92	-352.49	-0.11	0.0	165.0	-11.39	-0.90	-4.42	-1.81	-352.49	-526.20
445	5	-526.20	380.18	-0.15	0.0	0.0	-11.39	-0.90	-4.42	-1.81	380.18	-552.92
		-552.92	-352.49	-0.11	0.0	165.0	-11.39	-0.90	-4.42	-1.81	-352.49	-526.20
445	6	-1825.09	-404.81	0.08	0.0	0.0	-59.85	-3.54	4.31	2.82	-565.03	-1825.09
		-2154.22	-565.03	0.06	0.0	165.0	-59.85	-3.54	4.31	2.82	-404.81	-2154.22
445	7	-1414.87	376.75	-0.15	0.0	0.0	-41.55	-4.61	5.21	-3.25	-585.61	-1414.87
		-1670.83	-585.61	-0.14	0.0	165.0	-41.55	-4.61	5.21	-3.25	376.75	-1670.83
445	8	-167.45	121.12	-0.05	0.0	0.0	-3.62	-0.29	-1.41	-0.58	121.12	-176.19
		-176.19	-112.30	-0.03	0.0	165.0	-3.62	-0.29	-1.41	-0.58	-112.30	-167.45
445	9	-167.45	121.12	-0.05	0.0	0.0	-3.62	-0.29	-1.41	-0.58	121.12	-176.19
		-176.19	-112.30	-0.03	0.0	165.0	-3.62	-0.29	-1.41	-0.58	-112.30	-167.45
445	10	-636.07	-140.27	0.03	0.0	0.0	-19.58	-1.28	1.41	0.94	-192.20	-636.07
		-755.31	-192.20	0.02	0.0	165.0	-19.58	-1.28	1.41	0.94	-140.27	-755.31
445	11	-513.08	128.42	-0.05	0.0	0.0	-13.83	-1.73	1.74	-1.04	-200.69	-513.08
		-609.34	-200.69	-0.05	0.0	165.0	-13.83	-1.73	1.74	-1.04	128.42	-609.34
445	12	-0.90	0.78	-1.03e-04	0.0	0.0	0.74	-0.01	9.73e-03	-0.02	-0.82	-0.90
		-2.78	-0.82	-9.61e-05	0.0	165.0	0.74	-0.01	9.73e-03	-0.02	0.78	-2.78
445	13	-6611.92	536.45	-0.17	0.0	0.0	-131.80	-3.75	6.64	0.30	-559.02	-6611.92
		-7230.27	-559.02	-0.18	0.0	165.0	-131.80	-3.75	6.64	0.30	536.45	-7230.27
446	1	1226.39	434.98	0.03	-16.62	0.0	-2.22	-10.14	2.92	-0.76	-338.01	1226.39
		-1817.69	-338.01	-0.06	3.53	165.0	-2.22	-26.76	6.45	-0.76	434.98	-1817.69
446	2	2323.11	1111.11	0.04	0.0	0.0	-2.85	-29.40	13.07	-11.08	-1044.98	2323.11
		-2528.25	-1044.98	-0.17	0.0	165.0	-2.85	-29.40	13.07	-11.08	1111.11	-2528.25
446	3	4544.49	2173.56	0.08	0.0	0.0	-5.58	-57.52	25.56	-21.68	-2044.20	4544.49
		-4945.78	-2044.20	-0.33	0.0	165.0	-5.58	-57.52	25.56	-21.68	2173.56	-4945.78
446	4	-337.60	421.07	-0.14	0.0	0.0	-11.41	-1.56	-6.44	-1.79	421.07	-525.78
		-525.78	-643.61	-0.10	0.0	165.0	-11.41	-1.56	-6.44	-1.79	-643.61	-337.60
446	5	-337.60	421.07	-0.14	0.0	0.0	-11.41	-1.56	-6.44	-1.79	421.07	-525.78
		-525.78	-643.61	-0.10	0.0	165.0	-11.41	-1.56	-6.44	-1.79	-643.61	-337.60
446	6	-1295.47	1286.47	0.03	0.0	0.0	-51.69	13.18	14.34	-2.65	-1084.32	-2153.99
		-2153.99	-1084.32	-0.02	0.0	165.0	-51.69	13.18	14.34	-2.65	1286.47	-1295.47
446	7	-996.57	1135.84	-0.17	0.0	0.0	-33.37	10.43	12.14	-3.26	-871.84	-1671.13
		-1671.13	-871.84	-0.16	0.0	165.0	-33.37	10.43	12.14	-3.26	1135.84	-996.57
446	8	-107.76	134.04	-0.04	0.0	0.0	-3.63	-0.50	-2.05	-0.57	134.04	-167.31
		-167.31	-204.98	-0.03	0.0	165.0	-3.63	-0.50	-2.05	-0.57	-204.98	-107.76
446	9	-107.76	134.04	-0.04	0.0	0.0	-3.63	-0.50	-2.05	-0.57	134.04	-167.31
		-167.31	-204.98	-0.03	0.0	165.0	-3.63	-0.50	-2.05	-0.57	-204.98	-107.76
446	10	-461.27	446.50	8.58e-03	0.0	0.0	-16.87	4.87	5.00	-0.90	-380.26	-755.28
		-755.28	-380.26	-7.95e-03	0.0	165.0	-16.87	4.87	5.00	-0.90	446.50	-461.27
446	11	-359.62	393.66	-0.05	0.0	0.0	-11.12	3.86	4.24	-1.06	-307.12	-609.46
		-609.46	-307.12	-0.05	0.0	165.0	-11.12	3.86	4.24	-1.06	393.66	-359.62
446	12	-2.79	1.92	-2.18e-04	0.0	0.0	0.76	-0.01	0.02	-6.18e-03	-1.37	-2.79
		-4.89	-1.37	-1.07e-04	0.0	165.0	0.76	-0.01	0.02	-6.18e-03	1.92	-4.89
446	13	4639.64	989.05	-0.38	0.0	0.0	-121.58	71.92	9.24	23.79	-535.21	-7226.98
		-7226.98	-535.21	-0.15	0.0	165.0	-121.58	71.92	9.24	23.79	989.05	4639.64
447	1	-1817.39	616.82	1.54e-03	-3.32	0.0	0.69	-29.00	14.06	-3.38	141.04	-1817.39
		-2829.18	141.04	-4.21e-03	0.71	33.0	0.69	-32.32	14.77	-3.38	616.82	-2829.18
447	2	-2527.83	1255.16	2.22e-03	0.0	0.0	3.68	-43.11	24.43	-25.15	448.92	-2527.83
		-3950.46	448.92	-9.08e-03	0.0	33.0	3.68	-43.11	24.43	-25.15	1255.16	-3950.46
447	3	-4944.96	2455.35	4.34e-03	0.0	0.0	7.20	-84.33	47.79	-49.19	878.18	-4944.96
		-7727.94	878.18	-0.02	0.0	33.0	7.20	-84.33	47.79	-49.19	2455.35	-7727.94
447	4	-293.57	-262.23	-0.03	0.0	0.0	-11.06	-2.23	-8.72	-1.82	-262.23	-337.42
		-337.42	-511.35	-0.03	0.0	33.0	-11.06	-2.23	-8.72	-1.82	-511.35	-293.57
447	5	-293.57	-262.23	-0.03	0.0	0.0	-11.06	-2.23	-8.72	-1.82	-262.23	-337.42
		-337.42	-511.35	-0.03	0.0	33.0	-11.06	-2.23	-8.72	-1.82	-511.35	-293.57
447	6	-1294.78	939.73	3.73e-03	0.0	0.0	-46.24	20.63	10.23	-3.20	636.21	-1294.78
		-1602.90	636.21	0.02	0.0	33.0	-46.24	20.63	10.23	-3.20	939.73	-1602.90
447	7	-996.09	744.32	-0.03	0.0	0.0	-29.08	16.24	6.58	-3.88	586.69	-996.09
		-1240.65	586.69	-0.01	0.0	33.0	-29.08	16.24	6.58	-3.88	744.32	-1240.65
447	8	-93.93	-83.71	-8.67e-03	0.0	0.0	-3.52	-0.71	-2.78	-0.58	-83.71	-107.70
		-107.70	-162.60	-9.80e-03	0.0	33.0	-3.52	-0.71	-2.78	-0.58	-162.60	-93.93
447	9	-93.93	-83.71	-8.67e-03	0.0	0.0	-3.52	-0.71	-2.78	-0.58	-83.71	-107.70
		-107.70	-162.60	-9.80e-03	0.0	33.0	-3.52	-0.71	-2.78	-0.58	-162.60	-93.93
447	10	-461.03	325.46	1.02e-03	0.0	0.0	-15.04	7.61	3.47	-1.14	221.45	-461.03
		-591.96	221.45	5.30e-03	0.0	33.0	-15.04	7.61	3.47	-1.14	325.46	-591.96
447	11	-359.48	263.41	-0.01	0.0	0.0	-9.67	6.02	2.40	-1.31	202.14	-359.48
		-453.76	202.14	-3.86e-03	0.0	33.0	-9.67	6.02	2.40	-1.31	263.41	-453.76
447	12	-4.89	-0.82	-6.49e-05	0.0	0.0	0.79	-0.01	-8.81e-03	0.01	-0.82	-4.89
		-5.32	-1.11	9.14e-06	0.0	33.0	0.79	-0.01	-8.81e-03	0.01	-1.11	-5.32
447	13	8136.38	744.90	-0.07	0.0	0.0	-119.17	106.04	-33.69	58.99	744.90	4637.17
		4637.17	-366.73	-3.46e-03	0.0	33.0	-119.17	106.04	-33.69	58.99	-366.73	8136.38
448	1	-1636.46	675.11	-2.35e-03	-3.22	0.0	0.11	38.59	-15.52	6.58	675.11	-2819.68
		-2819.68	189.38	4.47e-03	0.69	32.0	0.11	35.36	-14.84	6.58	189.38	-1636.46
448	2	-2204.94	1392.65	-3.20e-03	0.0	0.0	2.32	53.66	-25.84	35.28	1392.65	-3922.17

		-3922.17	565.75	9.78e-03	0.0	32.0	2.32	53.66	-25.84	35.28	565.75	-2204.94
448	3	-4313.33	2724.33	-6.25e-03	0.0	0.0	4.54	104.98	-50.55	69.02	2724.33	-7672.60
		-7672.60	1106.72	0.02	0.0	32.0	4.54	104.98	-50.55	69.02	1106.72	-4313.33
448	4	-293.34	364.93	-0.03	0.0	0.0	-9.46	2.65	-6.80	-1.90	364.93	-293.34
		-331.30	188.56	-0.03	0.0	32.0	-9.46	2.65	-6.80	-1.90	188.56	-331.30
448	5	-293.34	364.93	-0.03	0.0	0.0	-9.46	2.65	-6.80	-1.90	364.93	-293.34
		-331.30	188.56	-0.03	0.0	32.0	-9.46	2.65	-6.80	-1.90	188.56	-331.30
448	6	-1311.39	437.60	3.58e-03	0.0	0.0	-39.19	-22.06	-6.67	-2.23	437.60	-1592.14
		-1592.14	324.52	0.02	0.0	32.0	-39.19	-22.06	-6.67	-2.23	324.52	-1311.39
448	7	-997.25	335.53	-0.03	0.0	0.0	-24.09	-16.55	-6.68	-3.10	335.53	-1229.50
		-1229.50	-288.72	-8.56e-03	0.0	32.0	-24.09	-16.55	-6.68	-3.10	-288.72	-997.25
448	8	-93.85	116.04	-8.38e-03	0.0	0.0	-3.01	0.84	-2.17	-0.61	116.04	-93.85
		-105.92	60.35	-9.93e-03	0.0	32.0	-3.01	0.84	-2.17	-0.61	60.35	-105.92
448	9	-93.85	116.04	-8.38e-03	0.0	0.0	-3.01	0.84	-2.17	-0.61	116.04	-93.85
		-105.92	60.35	-9.93e-03	0.0	32.0	-3.01	0.84	-2.17	-0.61	60.35	-105.92
448	10	-466.10	158.74	1.04e-03	0.0	0.0	-12.74	-8.14	-2.46	-0.75	158.74	-588.13
		-588.13	112.38	6.65e-03	0.0	32.0	-12.74	-8.14	-2.46	-0.75	112.38	-466.10
448	11	-359.83	120.81	-9.67e-03	0.0	0.0	-8.01	-6.14	-2.28	-1.01	120.81	-450.31
		-450.31	-99.52	-2.70e-03	0.0	32.0	-8.01	-6.14	-2.28	-1.01	-99.52	-359.83
448	12	-5.18	-0.79	-7.11e-05	0.0	0.0	0.44	-9.55e-03	0.02	2.54e-03	-1.56	-5.18
		-5.48	-1.56	-1.15e-05	0.0	32.0	0.44	-9.55e-03	0.02	2.54e-03	-0.79	-5.48
448	13	8039.11	-1203.31	-0.06	0.0	0.0	-102.27	-129.89	37.01	-91.69	-2387.54	8039.11
		3882.68	-2387.54	-0.02	0.0	32.0	-102.27	-129.89	37.01	-91.69	-1203.31	3882.68
449	1	2446.67	519.84	-0.02	-16.62	0.0	-3.16	33.05	-7.26	3.80	519.84	-1635.50
		-1635.50	-386.09	0.08	3.53	165.0	-3.16	16.43	-3.72	3.80	-386.09	2446.67
449	2	4347.81	1315.76	-0.03	0.0	0.0	-5.09	39.69	-15.01	19.87	1315.76	-2201.61
		-2201.61	-1160.80	0.20	0.0	165.0	-5.09	39.69	-15.01	19.87	-1160.80	4347.81
449	3	8505.24	2573.90	-0.06	0.0	0.0	-9.96	77.65	-29.36	38.86	2573.90	-4306.82
		-4306.82	-2270.77	0.39	0.0	165.0	-9.96	77.65	-29.36	38.86	-2270.77	8505.24
449	4	-331.10	475.21	-0.13	0.0	0.0	-8.90	1.83	-4.54	-1.28	475.21	-331.10
		-534.08	-276.83	-0.12	0.0	165.0	-8.90	1.83	-4.54	-1.28	-276.83	-534.08
449	5	-331.10	475.21	-0.13	0.0	0.0	-8.90	1.83	-4.54	-1.28	475.21	-331.10
		-534.08	-276.83	-0.12	0.0	165.0	-8.90	1.83	-4.54	-1.28	-276.83	-534.08
449	6	-1310.89	618.95	0.01	0.0	0.0	-38.39	-14.57	-6.58	-2.88	618.95	-1310.89
		-2468.47	-516.74	0.08	0.0	165.0	-38.39	-14.57	-6.58	-2.88	-516.74	-2468.47
449	7	-996.84	-336.45	-0.15	0.0	0.0	-22.66	-10.75	-5.08	-3.72	-524.93	-996.84
		-1739.88	-524.93	-0.08	0.0	165.0	-22.66	-10.75	-5.08	-3.72	-336.45	-1739.88
449	8	-105.85	151.46	-0.04	0.0	0.0	-2.83	0.58	-1.45	-0.41	151.46	-105.85
		-170.26	-88.25	-0.04	0.0	165.0	-2.83	0.58	-1.45	-0.41	-88.25	-170.26
449	9	-105.85	151.46	-0.04	0.0	0.0	-2.83	0.58	-1.45	-0.41	151.46	-105.85
		-170.26	-88.25	-0.04	0.0	165.0	-2.83	0.58	-1.45	-0.41	-88.25	-170.26
449	10	-465.92	215.64	3.41e-03	0.0	0.0	-12.51	-5.39	-2.33	-1.02	215.64	-465.92
		-871.94	-184.14	0.02	0.0	165.0	-12.51	-5.39	-2.33	-1.02	-184.14	-871.94
449	11	-359.72	-121.23	-0.05	0.0	0.0	-7.55	-3.99	-1.79	-1.25	-182.02	-359.72
		-633.59	-182.02	-0.03	0.0	165.0	-7.55	-3.99	-1.79	-1.25	-121.23	-633.59
449	12	-5.49	3.51	-5.11e-04	0.0	0.0	0.49	-0.01	0.05	-0.08	-5.29	-5.49
		-7.24	-5.29	-6.53e-04	0.0	165.0	0.49	-0.01	0.05	-0.08	3.51	-7.24
449	13	3872.50	1588.06	-0.30	0.0	0.0	-87.65	-95.14	25.85	-52.99	-2676.94	3872.50
		-1.183e+04	-2676.94	-0.47	0.0	165.0	-87.65	-95.14	25.85	-52.99	1588.06	-1.183e+04
450	1	3363.47	-15.56	0.07	-16.62	0.0	-6.66	13.58	-2.62	3.21	-15.56	2448.25
		2448.25	-175.29	0.02	3.53	165.0	-6.66	-3.04	0.92	3.21	-155.68	3317.63
450	2	5612.93	-188.67	0.11	0.0	0.0	-14.27	7.64	-2.11	6.82	-188.67	4352.63
		4352.63	-536.32	0.06	0.0	165.0	-14.27	7.64	-2.11	6.82	-536.32	5612.93
450	3	1.098e+04	-369.08	0.22	0.0	0.0	-27.91	14.94	-4.12	13.35	-369.08	8514.66
		8514.66	-1049.16	0.11	0.0	165.0	-27.91	14.94	-4.12	13.35	-1049.16	1.098e+04
450	4	-495.07	391.06	-0.12	0.0	0.0	-7.58	0.60	-4.24	-1.10	391.06	-533.64
		-533.64	-314.00	-0.08	0.0	165.0	-7.58	0.60	-4.24	-1.10	-314.00	-495.07
450	5	-495.07	391.06	-0.12	0.0	0.0	-7.58	0.60	-4.24	-1.10	391.06	-533.64
		-533.64	-314.00	-0.08	0.0	165.0	-7.58	0.60	-4.24	-1.10	-314.00	-495.07
450	6	-2459.84	454.64	-0.06	0.0	0.0	-32.11	2.58	7.60	-3.37	-856.51	-2469.20
		-2469.20	-856.51	-0.04	0.0	165.0	-32.11	2.58	7.60	-3.37	454.64	-2459.84
450	7	-1689.30	384.08	-0.17	0.0	0.0	-17.10	2.38	5.44	-4.02	-537.82	-1740.79
		-1740.79	-537.82	-0.13	0.0	165.0	-17.10	2.38	5.44	-4.02	384.08	-1689.30
450	8	-157.70	124.43	-0.04	0.0	0.0	-2.41	0.19	-1.35	-0.35	124.43	-170.12
		-170.12	-100.03	-0.03	0.0	165.0	-2.41	0.19	-1.35	-0.35	-100.03	-157.70
450	9	-157.70	124.43	-0.04	0.0	0.0	-2.41	0.19	-1.35	-0.35	124.43	-170.12
		-170.12	-100.03	-0.03	0.0	165.0	-2.41	0.19	-1.35	-0.35	-100.03	-157.70
450	10	-872.23	152.27	-0.02	0.0	0.0	-10.50	0.94	2.51	-1.20	-283.71	-872.23
		-878.87	-283.71	-0.01	0.0	165.0	-10.50	0.94	2.51	-1.20	152.27	-878.87
450	11	-616.71	131.00	-0.05	0.0	0.0	-5.72	0.88	1.83	-1.37	-181.05	-633.93
		-633.93	-181.05	-0.04	0.0	165.0	-5.72	0.88	1.83	-1.37	131.00	-616.71
450	12	-7.14	3.07	-7.95e-04	0.0	0.0	0.55	8.90e-04	0.04	-0.09	-3.15	-7.29
		-7.29	-3.15	-7.70e-04	0.0	165.0	0.55	8.90e-04	0.04	-0.09	3.07	-7.14
450	13	-1.184e+04	1774.81	-0.69	0.0	0.0	-55.38	-15.80	21.61	-21.22	-1791.10	-1.184e+04
		-1.445e+04	-1791.10	-0.57	0.0	165.0	-55.38	-15.80	21.61	-21.22	1774.81	-1.445e+04
451	1	3318.59	315.61	0.19	-16.62	0.0	-5.66	-6.28	1.75	0.97	-265.12	3318.59

		910.90	-265.12	-0.04	3.53	165.0	-5.66	-22.90	5.29	0.97	315.61	910.90
451	2	5613.12	807.60	0.31	0.0	0.0	-11.28	-25.44	10.11	-13.14	-860.82	5613.12
		1415.22	-860.82	-0.11	0.0	165.0	-11.28	-25.44	10.11	-13.14	807.60	1415.22
451	3	1.098e+04	1579.84	0.60	0.0	0.0	-22.07	-49.77	19.78	-25.71	-1683.95	1.098e+04
		2768.48	-1683.95	-0.22	0.0	165.0	-22.07	-49.77	19.78	-25.71	1579.84	2768.48
451	4	127.70	481.78	-0.10	0.0	0.0	-5.72	2.24	-7.18	-1.82	481.78	-494.49
		-494.49	-703.44	-0.07	0.0	165.0	-5.72	2.24	-7.18	-1.82	-703.44	127.70
451	5	127.70	481.78	-0.10	0.0	0.0	-5.72	2.24	-7.18	-1.82	481.78	-494.49
		-494.49	-703.44	-0.07	0.0	165.0	-5.72	2.24	-7.18	-1.82	-703.44	127.70
451	6	-527.92	1630.42	-0.11	0.0	0.0	-17.72	11.74	17.22	-3.68	-1214.11	-2460.97
		-2460.97	-1214.11	-0.11	0.0	165.0	-17.72	11.74	17.22	-3.68	1630.42	-527.92
451	7	-340.63	929.45	-0.18	0.0	0.0	-8.39	8.22	9.50	-4.20	-640.96	-1690.55
		-1690.55	-640.96	-0.13	0.0	165.0	-8.39	8.22	9.50	-4.20	929.45	-340.63
451	8	40.66	153.20	-0.03	0.0	0.0	-1.82	0.71	-2.28	-0.58	153.20	-157.52
		-157.52	-223.74	-0.02	0.0	165.0	-1.82	0.71	-2.28	-0.58	-223.74	40.66
451	9	40.66	153.20	-0.03	0.0	0.0	-1.82	0.71	-2.28	-0.58	153.20	-157.52
		-157.52	-223.74	-0.02	0.0	165.0	-1.82	0.71	-2.28	-0.58	-223.74	40.66
451	10	-187.36	536.45	-0.04	0.0	0.0	-5.78	4.20	5.67	-1.32	-400.16	-879.32
		-879.32	-400.16	-0.03	0.0	165.0	-5.78	4.20	5.67	-1.32	536.45	-187.36
451	11	-123.32	309.19	-0.06	0.0	0.0	-2.82	3.01	3.16	-1.45	-213.89	-617.18
		-617.18	-213.89	-0.04	0.0	165.0	-2.82	3.01	3.16	-1.45	309.19	-123.32
451	12	-3.08	6.02	-1.06e-03	0.0	0.0	0.62	0.02	0.06	0.08	-3.78	-7.16
		-7.16	-3.78	-6.59e-04	0.0	165.0	0.62	0.02	0.06	0.08	6.02	-3.08
451	13	-3564.30	2841.30	-1.19	0.0	0.0	-22.84	65.96	27.11	27.51	-1632.08	-1.445e+04
		-1.445e+04	-1632.08	-0.47	0.0	165.0	-22.84	65.96	27.11	27.51	2841.30	-3564.30
452	1	911.21	407.41	0.05	-3.32	0.0	-3.52	-26.06	8.98	-5.48	99.33	911.21
		-3.75	99.33	-3.29e-03	0.71	33.0	-3.52	-29.39	9.69	-5.48	407.41	-3.75
452	2	1411.65	772.58	0.07	0.0	0.0	-6.64	-41.08	13.18	-40.70	337.49	1411.65
		56.06	337.49	-6.75e-03	0.0	33.0	-6.64	-41.08	13.18	-40.70	772.58	56.06
452	3	2761.48	1511.34	0.14	0.0	0.0	-13.00	-80.36	25.79	-79.62	660.21	2761.48
		109.67	660.21	-0.01	0.0	33.0	-13.00	-80.36	25.79	-79.62	1511.34	109.67
452	4	126.78	-295.01	-0.02	0.0	0.0	-4.93	3.44	-8.72	-2.73	-295.01	126.78
		19.72	-559.10	-0.03	0.0	33.0	-4.93	3.44	-8.72	-2.73	-559.10	19.72
452	5	126.78	-295.01	-0.02	0.0	0.0	-4.93	3.44	-8.72	-2.73	-295.01	126.78
		19.72	-559.10	-0.03	0.0	33.0	-4.93	3.44	-8.72	-2.73	-559.10	19.72
452	6	27.45	1150.05	-0.02	0.0	0.0	-9.72	16.63	11.30	-4.06	810.11	-529.17
		-529.17	810.11	0.01	0.0	33.0	-9.72	16.63	11.30	-4.06	1150.05	27.45
452	7	30.52	565.92	-0.03	0.0	0.0	-4.25	10.96	4.94	-4.41	489.70	-341.89
		-341.89	489.70	-5.47e-03	0.0	33.0	-4.25	10.96	4.94	-4.41	565.92	30.52
452	8	40.37	-93.92	-6.25e-03	0.0	0.0	-1.57	1.10	-2.78	-0.87	-93.92	40.37
		6.27	-177.77	-9.95e-03	0.0	33.0	-1.57	1.10	-2.78	-0.87	-177.77	6.27
452	9	40.37	-93.92	-6.25e-03	0.0	0.0	-1.57	1.10	-2.78	-0.87	-93.92	40.37
		6.27	-177.77	-9.95e-03	0.0	33.0	-1.57	1.10	-2.78	-0.87	-177.77	6.27
452	10	9.90	375.00	-7.58e-03	0.0	0.0	-3.16	5.92	3.62	-1.46	267.65	-187.85
		-187.85	267.65	4.49e-03	0.0	33.0	-3.16	5.92	3.62	-1.46	375.00	9.90
452	11	10.57	188.74	-0.01	0.0	0.0	-1.43	3.97	1.63	-1.53	162.77	-123.79
		-123.79	162.77	-1.67e-03	0.0	33.0	-1.43	3.97	1.63	-1.53	188.74	10.57
452	12	-1.85	0.86	-2.32e-04	0.0	0.0	0.68	0.03	-0.13	0.27	0.86	-2.98
		-2.98	-3.40	-9.64e-06	0.0	33.0	0.68	0.03	-0.13	0.27	-3.40	-1.85
452	13	-103.02	1589.77	-0.27	0.0	0.0	-10.47	104.68	-5.70	95.77	1589.77	-3557.38
		-3557.38	1401.52	-0.02	0.0	33.0	-10.47	104.68	-5.70	95.77	1401.52	-103.02

Trave	**M3 mx/mn**	**M2 mx/mn**	**D 2 / D 3**	**Q 2 / Q 3**	**N**	**V 2**	**V 3**	**T**
	-1.495e+05	-4.672e+04	-4.17	-200.90	-2428.24	-992.02	-120.34	-1169.21
	1.541e+05	9886.41	7.90	158.56	2934.18	1120.37	90.55	1187.31

VERIFICHE PER ELEMENTI IN ACCIAIO

LEGENDA TABELLA VERIFICHE PER ELEMENTI IN ACCIAIO

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. 14 Gennaio 2008 e circ. 2 Febbraio 2009 n.617) i tipi elementi differiscono per i seguenti aspetti:

Verifica		**Aste**	**Travi**	**Pilastri**
4.2.3.1	Classificazione	X	X	X
4.2.4.1.2	Trazione, Compressione	X	X	X
	Taglio, 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. 14 Gennaio 2008 e circ. 2 Febbraio 2009 n.617 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**	**Pilastri**
4.2.4.1.2	Trazione, Compressione	X	X
	Taglio, Torsione		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
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 del par. 7.5.4.3 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 GENERICHE	PROFILI SEMPLICI	PROFILI ACCOPPIATI
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	Trazione	si	si	si
4.2.4.1.2	Compressione	si	si	si
4.2.4.1.2	Taglio, Torsione	si	si	si
4.2.4.1.2	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	(TRAVI E PILASTRI) verifica di resistenza come da par. 4.2.4.1.2 per azioni taglio-torsione (4.2.17 e 4.2.29)
V N/M	(TRAVI E PILASTRI) verifica di resistenza come da par. 4.2.4.1.2 per azioni composte (4.2.34) con riduzione per taglio (4.2.41) ove richiesto
N | **M3** | **M2** | **V2** | **V3** | **T**	sollecitazioni di interesse per la verifica
V stab	(ASTE) verifica come da par. 4.2.4.1.3 per punto (4.2.42)
V stab	(TRAVI 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 flesso-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	(TRAVI E PILASTRI) verifica di stabilità come da par. 4.2.4.1.3.2 per punto (4.2.49)
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 flesso-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.7.5.3 M Ed	Verifica come prevista al punto 7.5.3 e valore dell' azione flettente
V.7.5.4 N Ed	Verifica come prevista al punto 7.5.4 e valore dell' azione assiale
V.7.5.5 V Ed,G V Ed,M	Verifica come prevista al punto 7.5.5 e valore dei tagli dovuti ai carichi e alla capacità
V.7.5.9 V Ed	Verifica come prevista al punto 7.5.9 e valore dell' azione di taglio
sovr. Xi (Xf, Yi, Yf)	Valore della sovraresistenza come prevista al par. 7.5.4.3 (i valori non sono normalizzati pertanto saranno maggiori uguali a gamma rd classe di duttilità)

Con riferimento al **Documento di Affidabilità** "*Test di validazione del software di calcolo PRO_SAP e dei moduli aggiuntivi PRO_SAP Modulo Geotecnico, PRO_CAD nodi acciaio e PRO_MST*" - versione Settembre 2014, disponibile per il download sul sito **www.2si.it**, si segnalano i seguenti esempi applicativi:

Test N°	Titolo
56	VERIFICA DI STABILITA' DI ASTE COMPRESSE IN ACCIAIO – METODO OMEGA
57	LUCE LIBERA DI TRAVI E ASTE IN ACCIAIO
58	LUCE LIBERA DI COLONNE IN ACCIAIO
59	SVERGOLAMENTO DI TRAVI IN ACCIAIO
61	ACCIAIO D.M. 2008
63	GERARCHIA RESISTENZE STRUTTURE IN ACCIAIO
64	STABILITA' DI ASTE COMPOSTE IN ACCIAIO
73	VALUTAZIONE EFFETTO P-δ SU PILASTRATA
74	VALUTAZIONE EFFETTO P-δ SU TELAIO 3D

Trave	Stato	Note	V V/T	V N/M	V stab	Classe	B22xL	B33xL	Snellezza	Chi mn	V flst	B11xL	Chi LT	Rif. cmb
							cm					cm		
1	ok	s=2,m=10	0.03	0.34	0.25	1	410.9	410.9	103.1	0.49	0.30	410.9	1.00	18,22,20,17
2	ok	s=2,m=10	0.04	0.38	0.23	1	410.9	410.9	103.1	0.49	0.33	410.9	0.99	21,22,4,19
3	ok	s=2,m=10	0.04	0.40	0.22	1	410.9	410.9	103.1	0.49	0.37	410.9	1.00	22,22,3,24
4	ok	s=2,m=10	0.04	0.39	0.23	1	410.9	410.9	103.1	0.49	0.37	410.9	1.00	22,22,4,24
5	ok	s=2,m=10	0.04	0.40	0.22	1	410.9	410.9	103.1	0.49	0.37	410.9	1.00	22,22,3,24
6	ok	s=2,m=10	0.04	0.38	0.23	1	410.9	410.9	103.1	0.49	0.33	410.9	0.99	21,22,4,19
7	ok	s=2,m=10	0.03	0.34	0.25	1	410.9	410.9	103.1	0.49	0.30	410.9	1.00	18,22,20,17
8	ok	s=2,m=10	0.02	0.25	0.21	1	507.0	507.0	127.2	0.37	0.24	507.0	0.98	20,19,20,23
9	ok	s=2,m=10	0.03	0.28	0.28	1	507.0	507.0	127.2	0.37	0.27	507.0	0.99	19,19,4,19
10	ok	s=2,m=10	0.03	0.30	0.27	1	507.0	507.0	127.2	0.37	0.29	507.0	0.99	20,19,4,20
11	ok	s=2,m=10	0.03	0.30	0.27	1	507.0	507.0	127.2	0.37	0.30	507.0	0.99	20,20,3,20
12	ok	s=2,m=10	0.03	0.30	0.27	1	507.0	507.0	127.2	0.37	0.29	507.0	0.99	20,19,3,20
13	ok	s=2,m=10	0.03	0.28	0.28	1	507.0	507.0	127.2	0.37	0.27	507.0	0.99	19,19,4,19
14	ok	s=2,m=10	0.02	0.25	0.21	1	507.0	507.0	127.2	0.37	0.24	507.0	0.98	20,19,20,23
15	ok	s=4,m=10	0.03	0.16	0.05	1	32.0	3360.0	684.6	0.02				22,20,51,0
16	ok	s=4,m=10	0.01	0.29	0.10	1	165.0	3360.0	684.6	0.02	0.13	165.0	0.88	22,3,51,3
17	ok	s=4,m=10	5.63e-03	0.16	0.15	1	165.0	3360.0	684.6	0.02	0.14	165.0	0.77	3,3,51,3
18	ok	s=4,m=10	0.02	0.22	0.15	1	165.0	3360.0	684.6	0.02	0.04	165.0	0.91	3,4,41,11
19	ok	s=4,m=10	0.02	0.19	0.19	1	33.0	3360.0	684.6	0.02				4,3,49,0
20	ok	s=4,m=10	0.02	0.23	0.20	1	32.0	3360.0	684.6	0.02	9.27e-03	32.0	1.00	22,3,51,10
21	ok	s=4,m=10	0.01	0.28	0.16	1	165.0	3360.0	684.6	0.02	0.06	165.0	0.98	4,3,51,22
22	ok	s=4,m=10	2.09e-03	0.12	0.11	1	165.0	3360.0	684.6	0.02	0.07	165.0	0.72	21,3,51,4
23	ok	s=4,m=10	0.01	0.20	0.17	1	165.0	3360.0	684.6	0.02	0.05	165.0	1.00	4,4,49,22
24	ok	s=4,m=10	0.02	0.19	0.21	1	33.0	3360.0	684.6	0.02	0.01	33.0	1.00	21,4,49,20
25	ok	s=4,m=10	0.02	0.21	0.22	1	32.0	3360.0	684.6	0.02				22,3,51,0
26	ok	s=4,m=10	0.01	0.24	0.18	1	165.0	3360.0	684.6	0.02	0.05	165.0	0.97	3,3,51,51
27	ok	s=4,m=10	1.46e-03	0.11	0.12	1	165.0	3360.0	684.6	0.02	0.07	165.0	0.71	44,3,51,4
28	ok	s=4,m=10	0.01	0.22	0.17	1	165.0	3360.0	684.6	0.02	0.05	165.0	0.97	3,3,49,51
29	ok	s=4,m=10	0.02	0.21	0.21	1	33.0	3360.0	684.6	0.02	7.63e-03	33.0	1.00	22,3,41,20

30	ok	s=4,m=10	0.02	0.21	0.21	1	32.0	3360.0	684.6	0.02				22,3,51,0
31	ok	s=4,m=10	0.01	0.23	0.17	1	165.0	3360.0	684.6	0.02	0.05	165.0	0.97	3,3,43,41
32	ok	s=4,m=10	1.42e-03	0.11	0.12	1	165.0	3360.0	684.6	0.02	0.07	165.0	0.71	18,3,41,4
33	ok	s=4,m=10	0.01	0.24	0.18	1	165.0	3360.0	684.6	0.02	0.05	165.0	0.97	3,3,41,41
34	ok	s=4,m=10	0.02	0.21	0.22	1	33.0	3360.0	684.6	0.02	0.01	33.0	1.00	22,3,41,20
35	ok	s=4,m=10	0.02	0.19	0.21	1	32.0	3360.0	684.6	0.02	0.01	32.0	1.00	21,4,43,20
36	ok	s=4,m=10	0.01	0.20	0.17	1	165.0	3360.0	684.6	0.02	0.05	165.0	1.00	4,4,43,22
37	ok	s=4,m=10	2.06e-03	0.12	0.11	1	165.0	3360.0	684.6	0.02	0.07	165.0	0.71	21,3,41,4
38	ok	s=4,m=10	0.01	0.27	0.16	1	165.0	3360.0	684.6	0.02	0.06	165.0	0.99	4,3,41,22
39	ok	s=4,m=10	0.02	0.23	0.20	1	33.0	3360.0	684.6	0.02	0.01	33.0	1.00	22,3,41,20
40	ok	s=4,m=10	0.02	0.19	0.19	1	32.0	3360.0	684.6	0.02				21,3,43,0
41	ok	s=4,m=10	0.02	0.21	0.15	1	165.0	3360.0	684.6	0.02	0.04	165.0	0.91	3,4,51,11
42	ok	s=4,m=10	5.69e-03	0.16	0.15	1	165.0	3360.0	684.6	0.02	0.14	165.0	0.77	3,3,41,3
43	ok	s=4,m=10	0.01	0.29	0.10	1	165.0	3360.0	684.6	0.02	0.13	165.0	0.88	22,3,41,3
44	ok	s=4,m=10	0.03	0.16	0.05	1	33.0	3360.0	684.6	0.02				22,20,41,0
45	ok	s=1,m=10	0.01	0.03	0.02	1	200.4	901.7	137.3	0.36	0.01	200.4	0.98	22,3,51,11
46	ok	s=1,m=10	0.02	0.06	0.04	1	200.4	901.7	137.3	0.36	7.73e-03	200.4	0.98	3,3,51,24
47	ok	s=1,m=10	0.02	0.05	0.03	1	200.4	901.7	137.3	0.36	5.75e-03	200.4	0.98	3,3,51,24
48	ok	s=1,m=10	0.02	0.05	0.03	1	200.4	901.7	137.3	0.36	5.64e-03	200.4	0.98	3,3,49,24
49	ok	s=1,m=10	0.02	0.05	0.03	1	200.4	901.7	137.3	0.36	5.75e-03	200.4	0.98	3,3,41,24
50	ok	s=1,m=10	0.02	0.06	0.04	1	200.4	901.7	137.3	0.36	7.73e-03	200.4	0.98	3,3,41,24
51	ok	s=1,m=10	0.01	0.03	0.02	1	200.4	901.7	137.3	0.36	0.01	200.4	0.98	22,3,41,11
52	ok	s=6,m=10	0.01	0.47	0.26	3	200.4	1201.3	660.9	0.02				21,3,25,0
53	ok	s=6,m=10	0.03	0.71	0.62	3	200.4	1201.3	660.9	0.02				21,21,4,0
54	ok	s=6,m=10	0.03	0.63	0.54	3	200.4	1201.3	660.9	0.02				21,21,4,0
55	ok	s=6,m=10	0.01	0.44	0.42	3	200.4	1201.3	660.9	0.02				22,4,22,0
56	ok	s=6,m=10	0.01	0.53	0.26	3	200.4	1201.3	660.9	0.02				22,3,21,0
57	ok	s=6,m=10	0.03	0.73	0.71	3	200.4	1201.3	660.9	0.02				22,3,3,0
58	ok	s=6,m=10	0.03	0.51	0.59	3	200.4	1201.3	660.9	0.02				22,4,4,0
59	ok	s=6,m=10	0.01	0.44	0.31	3	200.4	1201.3	660.9	0.02				22,4,22,0
60	ok	s=6,m=10	0.01	0.49	0.26	3	200.4	1201.3	660.9	0.02				21,3,21,0
61	ok	s=6,m=10	0.03	0.62	0.64	3	200.4	1201.3	660.9	0.02				21,3,3,0
62	ok	s=6,m=10	0.03	0.58	0.62	3	200.4	1201.3	660.9	0.02				21,4,4,0
63	ok	s=6,m=10	0.01	0.47	0.29	3	200.4	1201.3	660.9	0.02				22,4,22,0
64	ok	s=6,m=10	0.01	0.47	0.29	3	200.4	1201.3	660.9	0.02				22,4,22,0
65	ok	s=6,m=10	0.03	0.58	0.62	3	200.4	1201.3	660.9	0.02				21,4,4,0
66	ok	s=6,m=10	0.03	0.62	0.64	3	200.4	1201.3	660.9	0.02				21,3,3,0
67	ok	s=6,m=10	0.01	0.49	0.26	3	200.4	1201.3	660.9	0.02				21,3,21,0
68	ok	s=6,m=10	0.01	0.44	0.32	3	200.4	1201.3	660.9	0.02				22,4,22,0
69	ok	s=6,m=10	0.03	0.51	0.59	3	200.4	1201.3	660.9	0.02				22,4,4,0
70	ok	s=6,m=10	0.03	0.72	0.71	3	200.4	1201.3	660.9	0.02				22,3,3,0
71	ok	s=6,m=10	0.01	0.54	0.26	3	200.4	1201.3	660.9	0.02				22,3,21,0
72	ok	s=6,m=10	0.01	0.43	0.43	3	200.4	1201.3	660.9	0.02				22,4,22,0
73	ok	s=6,m=10	0.03	0.63	0.54	3	200.4	1201.3	660.9	0.02				21,21,4,0
74	ok	s=6,m=10	0.03	0.71	0.62	3	200.4	1201.3	660.9	0.02				21,21,4,0
75	ok	s=6,m=10	0.01	0.47	0.25	3	200.4	1201.3	660.9	0.02				21,3,31,0
76	ok	s=1,m=10	0.01	0.07	0.04	1	200.4	901.7	137.3	0.36	0.06	200.4	0.98	22,4,51,3
77	ok	s=1,m=10	0.02	0.12	0.10	1	200.4	901.7	137.3	0.36	0.12	200.4	0.98	3,4,51,3
78	ok	s=1,m=10	0.02	0.11	0.09	1	200.4	901.7	137.3	0.36	0.11	200.4	0.98	3,4,51,3
79	ok	s=1,m=10	0.02	0.11	0.09	1	200.4	901.7	137.3	0.36	0.11	200.4	0.98	3,3,51,3
80	ok	s=1,m=10	0.02	0.11	0.09	1	200.4	901.7	137.3	0.36	0.11	200.4	0.98	3,4,41,3
81	ok	s=1,m=10	0.02	0.12	0.10	1	200.4	901.7	137.3	0.36	0.12	200.4	0.98	3,4,41,3
82	ok	s=1,m=10	0.01	0.07	0.04	1	200.4	901.7	137.3	0.36	0.06	200.4	0.98	22,4,41,3
83	ok	s=5,m=10	0.03	0.21	0.23	1	32.0	3360.0	684.6	0.02				4,19,4,0
84	ok	s=5,m=10	0.02	0.47	0.44	1	165.0	3360.0	684.6	0.02	0.27	165.0	0.88	4,3,4,3
85	ok	s=5,m=10	9.60e-03	0.36	0.46	1	165.0	3360.0	684.6	0.02	0.30	165.0	0.79	3,22,22,3
86	ok	s=5,m=10	0.04	0.35	0.30	1	165.0	3360.0	684.6	0.02				3,3,4,0
87	ok	s=5,m=10	0.05	0.40	0.42	1	33.0	3360.0	684.6	0.02				3,4,4,0
88	ok	s=5,m=10	0.05	0.46	0.49	1	32.0	3360.0	684.6	0.02				4,3,4,0
89	ok	s=5,m=10	0.03	0.45	0.39	1	165.0	3360.0	684.6	0.02	0.21	165.0	1.00	4,4,4,21
90	ok	s=5,m=10	3.38e-03	0.19	0.27	1	165.0	3360.0	684.6	0.02	0.14	165.0	0.75	4,4,4,4
91	ok	s=5,m=10	0.03	0.30	0.29	1	165.0	3360.0	684.6	0.02	0.04	165.0	0.91	3,3,4,20
92	ok	s=5,m=10	0.04	0.34	0.38	1	33.0	3360.0	684.6	0.02				3,4,4,0
93	ok	s=5,m=10	0.04	0.37	0.42	1	32.0	3360.0	684.6	0.02				4,3,4,0
94	ok	s=5,m=10	0.03	0.36	0.33	1	165.0	3360.0	684.6	0.02	0.04	165.0	0.92	4,4,4,19
95	ok	s=5,m=10	1.84e-03	0.16	0.29	1	165.0	3360.0	684.6	0.02	0.17	165.0	0.72	3,3,4,3
96	ok	s=5,m=10	0.03	0.35	0.32	1	165.0	3360.0	684.6	0.02	0.04	165.0	0.92	3,3,4,20
97	ok	s=5,m=10	0.04	0.38	0.42	1	33.0	3360.0	684.6	0.02				3,3,4,0
98	ok	s=5,m=10	0.04	0.38	0.43	1	32.0	3360.0	684.6	0.02				3,3,4,0
99	ok	s=5,m=10	0.03	0.36	0.33	1	165.0	3360.0	684.6	0.02	0.04	165.0	0.91	3,3,4,20
100	ok	s=5,m=10	1.99e-03	0.16	0.29	1	165.0	3360.0	684.6	0.02	0.17	165.0	0.72	3,3,4,3
101	ok	s=5,m=10	0.03	0.35	0.33	1	165.0	3360.0	684.6	0.02	0.04	165.0	0.92	4,4,4,19
102	ok	s=5,m=10	0.04	0.37	0.41	1	33.0	3360.0	684.6	0.02				4,3,4,0
103	ok	s=5,m=10	0.04	0.34	0.38	1	32.0	3360.0	684.6	0.02				3,4,4,0
104	ok	s=5,m=10	0.03	0.31	0.29	1	165.0	3360.0	684.6	0.02	0.04	165.0	0.91	3,3,4,20
105	ok	s=5,m=10	3.22e-03	0.19	0.27	1	165.0	3360.0	684.6	0.02	0.14	165.0	0.75	4,4,4,4

106	ok	s=5,m=10	0.03	0.45	0.39	1	165.0	3360.0	684.6	0.02	0.21	165.0	1.00	4,4,4,21
107	ok	s=5,m=10	0.05	0.46	0.49	1	33.0	3360.0	684.6	0.02				4,3,4,0
108	ok	s=5,m=10	0.05	0.40	0.43	1	32.0	3360.0	684.6	0.02				3,4,4,0
109	ok	s=5,m=10	0.04	0.35	0.31	1	165.0	3360.0	684.6	0.02				3,3,4,0
110	ok	s=5,m=10	9.74e-03	0.36	0.46	1	165.0	3360.0	684.6	0.02	0.30	165.0	0.79	3,22,22,3
111	ok	s=5,m=10	0.02	0.47	0.44	1	165.0	3360.0	684.6	0.02	0.27	165.0	0.88	4,3,4,3
112	ok	s=5,m=10	0.03	0.21	0.23	1	33.0	3360.0	684.6	0.02				4,19,4,0
113	ok	s=1,m=10	0.09	0.15	0.10	1	200.4	901.7	137.3	0.36	0.15	200.4	0.99	28,3,51,4
114	ok	s=1,m=10	0.07	0.34	0.22	1	200.4	901.7	137.3	0.36	0.34	200.4	0.99	25,4,51,3
115	ok	s=1,m=10	0.07	0.30	0.21	1	200.4	901.7	137.3	0.36	0.31	200.4	0.99	28,4,51,3
116	ok	s=1,m=10	0.07	0.31	0.21	1	200.4	901.7	137.3	0.36	0.31	200.4	0.99	30,3,51,3
117	ok	s=1,m=10	0.07	0.30	0.21	1	200.4	901.7	137.3	0.36	0.31	200.4	0.99	30,4,41,3
118	ok	s=1,m=10	0.07	0.34	0.22	1	200.4	901.7	137.3	0.36	0.34	200.4	0.99	31,4,41,3
119	ok	s=1,m=10	0.09	0.15	0.10	1	200.4	901.7	137.3	0.36	0.15	200.4	0.99	30,3,41,4
120	ok	s=6,m=10	0.01	0.46	0.43	3	200.4	1201.3	660.9	0.02				22,4,25,0
121	ok	s=6,m=10	0.02	0.68	0.58	3	200.4	1201.3	660.9	0.02				22,21,4,0
122	ok	s=6,m=10	0.02	0.61	0.50	3	200.4	1201.3	660.9	0.02				21,22,3,0
123	ok	s=6,m=10	0.01	0.43	0.54	3	200.4	1201.3	660.9	0.02				21,3,22,0
124	ok	s=6,m=10	0.01	0.53	0.44	3	200.4	1201.3	660.9	0.02				22,3,21,0
125	ok	s=6,m=10	0.02	0.69	0.65	3	200.4	1201.3	660.9	0.02				22,3,4,0
126	ok	s=6,m=10	0.02	0.49	0.55	3	200.4	1201.3	660.9	0.02				22,3,3,0
127	ok	s=6,m=10	0.01	0.43	0.44	3	200.4	1201.3	660.9	0.02				21,3,22,0
128	ok	s=6,m=10	0.01	0.48	0.41	3	200.4	1201.3	660.9	0.02				22,4,21,0
129	ok	s=6,m=10	0.02	0.59	0.59	3	200.4	1201.3	660.9	0.02				22,4,4,0
130	ok	s=6,m=10	0.02	0.55	0.57	3	200.4	1201.3	660.9	0.02				22,4,3,0
131	ok	s=6,m=10	0.01	0.46	0.42	3	200.4	1201.3	660.9	0.02				22,3,22,0
132	ok	s=6,m=10	0.01	0.46	0.43	3	200.4	1201.3	660.9	0.02				22,3,22,0
133	ok	s=6,m=10	0.02	0.55	0.57	3	200.4	1201.3	660.9	0.02				22,4,3,0
134	ok	s=6,m=10	0.02	0.59	0.59	3	200.4	1201.3	660.9	0.02				22,4,4,0
135	ok	s=6,m=10	0.01	0.48	0.40	3	200.4	1201.3	660.9	0.02				22,4,21,0
136	ok	s=6,m=10	0.01	0.43	0.44	3	200.4	1201.3	660.9	0.02				21,3,22,0
137	ok	s=6,m=10	0.02	0.49	0.55	3	200.4	1201.3	660.9	0.02				22,3,3,0
138	ok	s=6,m=10	0.02	0.69	0.65	3	200.4	1201.3	660.9	0.02				22,3,4,0
139	ok	s=6,m=10	0.01	0.53	0.44	3	200.4	1201.3	660.9	0.02				22,3,21,0
140	ok	s=6,m=10	0.01	0.42	0.56	3	200.4	1201.3	660.9	0.02				21,3,22,0
141	ok	s=6,m=10	0.02	0.61	0.50	3	200.4	1201.3	660.9	0.02				21,22,3,0
142	ok	s=6,m=10	0.02	0.68	0.58	3	200.4	1201.3	660.9	0.02				22,21,4,0
143	ok	s=6,m=10	0.01	0.46	0.42	3	200.4	1201.3	660.9	0.02				22,4,31,0
144	ok	s=1,m=10	0.09	0.16	0.11	1	200.4	901.7	137.3	0.36	0.15	200.4	0.99	28,4,19,4
145	ok	s=1,m=10	0.07	0.30	0.12	1	200.4	901.7	137.3	0.36	0.26	200.4	1.00	3,3,21,7
146	ok	s=1,m=10	0.07	0.28	0.11	1	200.4	901.7	137.3	0.36	0.27	200.4	1.00	28,4,19,4
147	ok	s=1,m=10	0.07	0.28	0.11	1	200.4	901.7	137.3	0.36	0.28	200.4	1.00	3,3,19,3
148	ok	s=1,m=10	0.07	0.28	0.11	1	200.4	901.7	137.3	0.36	0.27	200.4	1.00	30,4,19,4
149	ok	s=1,m=10	0.07	0.30	0.12	1	200.4	901.7	137.3	0.36	0.26	200.4	1.00	3,3,21,7
150	ok	s=1,m=10	0.09	0.16	0.11	1	200.4	901.7	137.3	0.36	0.15	200.4	0.99	30,4,19,4
151	ok	s=5,m=10	0.03	0.21	0.24	1	32.0	3360.0	684.6	0.02				4,20,4,0
152	ok	s=5,m=10	0.02	0.46	0.44	1	165.0	3360.0	684.6	0.02	0.25	165.0	0.88	4,3,4,3
153	ok	s=5,m=10	9.40e-03	0.34	0.40	1	165.0	3360.0	684.6	0.02	0.28	165.0	0.79	3,22,22,3
154	ok	s=5,m=10	0.03	0.33	0.30	1	165.0	3360.0	684.6	0.02	0.04	165.0	0.93	3,3,4,20
155	ok	s=5,m=10	0.05	0.39	0.42	1	33.0	3360.0	684.6	0.02				3,3,4,0
156	ok	s=5,m=10	0.04	0.45	0.50	1	32.0	3360.0	684.6	0.02				4,4,4,0
157	ok	s=5,m=10	0.03	0.44	0.39	1	165.0	3360.0	684.6	0.02	0.20	165.0	0.99	4,4,4,4
158	ok	s=5,m=10	3.59e-03	0.17	0.24	1	165.0	3360.0	684.6	0.02	0.12	165.0	0.76	4,4,4,4
159	ok	s=5,m=10	0.02	0.29	0.28	1	165.0	3360.0	684.6	0.02	0.02	165.0	0.92	3,3,4,20
160	ok	s=5,m=10	0.04	0.32	0.36	1	33.0	3360.0	684.6	0.02				3,3,4,0
161	ok	s=5,m=10	0.04	0.36	0.41	1	32.0	3360.0	684.6	0.02				4,4,4,0
162	ok	s=5,m=10	0.03	0.34	0.33	1	165.0	3360.0	684.6	0.02	0.02	165.0	0.93	4,4,4,19
163	ok	s=5,m=10	1.92e-03	0.15	0.27	1	165.0	3360.0	684.6	0.02	0.16	165.0	0.72	3,3,4,3
164	ok	s=5,m=10	0.03	0.34	0.32	1	165.0	3360.0	684.6	0.02	0.03	165.0	0.92	3,3,4,10
165	ok	s=5,m=10	0.04	0.36	0.42	1	33.0	3360.0	684.6	0.02				3,3,4,0
166	ok	s=5,m=10	0.04	0.36	0.42	1	32.0	3360.0	684.6	0.02				3,3,4,0
167	ok	s=5,m=10	0.03	0.34	0.33	1	165.0	3360.0	684.6	0.02	0.03	165.0	0.92	3,3,4,10
168	ok	s=5,m=10	2.06e-03	0.15	0.27	1	165.0	3360.0	684.6	0.02	0.16	165.0	0.72	3,3,4,3
169	ok	s=5,m=10	0.03	0.34	0.32	1	165.0	3360.0	684.6	0.02	0.02	165.0	0.93	4,4,4,19
170	ok	s=5,m=10	0.04	0.36	0.41	1	33.0	3360.0	684.6	0.02				4,4,4,0
171	ok	s=5,m=10	0.04	0.32	0.37	1	32.0	3360.0	684.6	0.02				3,3,4,0
172	ok	s=5,m=10	0.02	0.29	0.28	1	165.0	3360.0	684.6	0.02	0.03	165.0	0.92	3,3,4,20
173	ok	s=5,m=10	3.44e-03	0.17	0.24	1	165.0	3360.0	684.6	0.02	0.12	165.0	0.76	4,4,4,4
174	ok	s=5,m=10	0.03	0.44	0.39	1	165.0	3360.0	684.6	0.02	0.20	165.0	0.99	4,4,4,4
175	ok	s=5,m=10	0.04	0.45	0.50	1	33.0	3360.0	684.6	0.02				4,4,4,0
176	ok	s=5,m=10	0.05	0.39	0.42	1	32.0	3360.0	684.6	0.02				3,3,4,0
177	ok	s=5,m=10	0.03	0.34	0.30	1	165.0	3360.0	684.6	0.02	0.04	165.0	0.93	3,3,4,20
178	ok	s=5,m=10	9.54e-03	0.34	0.40	1	165.0	3360.0	684.6	0.02	0.28	165.0	0.80	3,22,22,3
179	ok	s=5,m=10	0.02	0.46	0.44	1	165.0	3360.0	684.6	0.02	0.25	165.0	0.88	4,3,4,3
180	ok	s=5,m=10	0.03	0.21	0.24	1	33.0	3360.0	684.6	0.02				4,20,4,0
181	ok	s=1,m=10	0.02	0.07	0.08	1	199.9	901.7	137.3	0.36	0.06	199.9	0.98	3,19,21,19

182	ok s=1,m=10	0.03	0.08	0.11	1	199.9	901.7	137.3	0.36	0.07	199.9	0.97	3,3,21,20
183	ok s=1,m=10	0.03	0.08	0.10	1	199.9	901.7	137.3	0.36	0.07	199.9	0.97	4,3,21,20
184	ok s=1,m=10	0.03	0.08	0.11	1	199.9	901.7	137.3	0.36	0.07	199.9	0.97	3,4,22,20
185	ok s=1,m=10	0.03	0.08	0.10	1	199.9	901.7	137.3	0.36	0.07	199.9	0.97	4,3,21,20
186	ok s=1,m=10	0.03	0.08	0.11	1	199.9	901.7	137.3	0.36	0.07	199.9	0.97	3,3,21,20
187	ok s=1,m=10	0.02	0.07	0.08	1	199.9	901.7	137.3	0.36	0.06	199.9	0.98	3,19,21,19
188	ok s=6,m=10	0.01	0.44	0.26	3	199.9	1201.3	660.9	0.02				4,4,22,0
189	ok s=6,m=10	0.02	0.68	0.55	3	199.9	1201.3	660.9	0.02				21,22,4,0
190	ok s=6,m=10	0.02	0.57	0.47	3	199.9	1201.3	660.9	0.02				21,22,3,0
191	ok s=6,m=10	0.01	0.37	0.48	3	199.9	1201.3	660.9	0.02				3,3,21,0
192	ok s=6,m=10	0.01	0.47	0.47	3	199.9	1201.3	660.9	0.02				4,4,22,0
193	ok s=6,m=10	0.02	0.64	0.56	3	199.9	1201.3	660.9	0.02				21,4,4,0
194	ok s=6,m=10	0.02	0.44	0.48	3	199.9	1201.3	660.9	0.02				22,3,3,0
195	ok s=6,m=10	0.01	0.38	0.39	3	199.9	1201.3	660.9	0.02				3,3,21,0
196	ok s=6,m=10	0.01	0.43	0.41	3	199.9	1201.3	660.9	0.02				4,4,22,0
197	ok s=6,m=10	0.02	0.56	0.52	3	199.9	1201.3	660.9	0.02				21,4,4,0
198	ok s=6,m=10	0.02	0.51	0.51	3	199.9	1201.3	660.9	0.02				21,3,3,0
199	ok s=6,m=10	0.01	0.41	0.41	3	199.9	1201.3	660.9	0.02				3,3,22,0
200	ok s=6,m=10	0.01	0.41	0.42	3	199.9	1201.3	660.9	0.02				3,3,22,0
201	ok s=6,m=10	0.02	0.51	0.51	3	199.9	1201.3	660.9	0.02				21,3,3,0
202	ok s=6,m=10	0.02	0.56	0.52	3	199.9	1201.3	660.9	0.02				21,4,4,0
203	ok s=6,m=10	0.01	0.43	0.40	3	199.9	1201.3	660.9	0.02				4,4,22,0
204	ok s=6,m=10	0.01	0.37	0.40	3	199.9	1201.3	660.9	0.02				3,3,21,0
205	ok s=6,m=10	0.02	0.44	0.48	3	199.9	1201.3	660.9	0.02				22,3,3,0
206	ok s=6,m=10	0.02	0.64	0.56	3	199.9	1201.3	660.9	0.02				21,4,4,0
207	ok s=6,m=10	0.01	0.47	0.46	3	199.9	1201.3	660.9	0.02				4,4,22,0
208	ok s=6,m=10	0.01	0.37	0.49	3	199.9	1201.3	660.9	0.02				3,3,21,0
209	ok s=6,m=10	0.02	0.57	0.47	3	199.9	1201.3	660.9	0.02				21,22,3,0
210	ok s=6,m=10	0.02	0.68	0.54	3	199.9	1201.3	660.9	0.02				21,22,4,0
211	ok s=6,m=10	0.01	0.45	0.26	3	199.9	1201.3	660.9	0.02				4,4,22,0
212	ok s=1,m=10	0.01	0.05	0.06	1	199.9	901.7	137.3	0.36	0.04	199.9	0.95	3,4,22,21
213	ok s=1,m=10	0.03	0.09	0.14	1	199.9	901.7	137.3	0.36	0.08	199.9	0.95	3,4,22,22
214	ok s=1,m=10	0.02	0.07	0.11	1	199.9	901.7	137.3	0.36	0.07	199.9	0.93	4,4,22,21
215	ok s=1,m=10	0.02	0.08	0.12	1	199.9	901.7	137.3	0.36	0.07	199.9	0.94	3,3,22,22
216	ok s=1,m=10	0.02	0.07	0.11	1	199.9	901.7	137.3	0.36	0.07	199.9	0.93	4,4,22,21
217	ok s=1,m=10	0.03	0.09	0.14	1	199.9	901.7	137.3	0.36	0.08	199.9	0.95	3,4,22,22
218	ok s=1,m=10	0.01	0.05	0.06	1	199.9	901.7	137.3	0.36	0.04	199.9	0.95	3,4,22,21
219	ok s=5,m=10	0.03	0.21	0.18	1	32.0	3360.0	684.6	0.02				3,20,19,0
220	ok s=5,m=10	0.02	0.44	0.35	1	165.0	3360.0	684.6	0.02	0.24	165.0	0.88	22,3,21,3
221	ok s=5,m=10	8.77e-03	0.34	0.39	1	165.0	3360.0	684.6	0.02	0.26	165.0	0.79	3,22,21,22
222	ok s=5,m=10	0.03	0.31	0.19	1	165.0	3360.0	684.6	0.02	0.04	165.0	0.92	3,3,21,20
223	ok s=5,m=10	0.04	0.38	0.28	1	33.0	3360.0	684.6	0.02				3,3,21,0
224	ok s=5,m=10	0.04	0.44	0.41	1	32.0	3360.0	684.6	0.02				3,4,3,0
225	ok s=5,m=10	0.03	0.42	0.28	1	165.0	3360.0	684.6	0.02	0.18	165.0	0.99	3,3,7,3
226	ok s=5,m=10	3.23e-03	0.16	0.17	1	165.0	3360.0	684.6	0.02	0.12	165.0	0.75	3,4,21,21
227	ok s=5,m=10	0.02	0.28	0.19	1	165.0	3360.0	684.6	0.02	0.03	165.0	0.91	4,3,7,15
228	ok s=5,m=10	0.03	0.32	0.29	1	33.0	3360.0	684.6	0.02				4,3,3,0
229	ok s=5,m=10	0.03	0.36	0.33	1	32.0	3360.0	684.6	0.02				3,4,3,0
230	ok s=5,m=10	0.02	0.33	0.25	1	165.0	3360.0	684.6	0.02	0.03	165.0	0.92	3,4,3,16
231	ok s=5,m=10	1.78e-03	0.14	0.19	1	165.0	3360.0	684.6	0.02	0.14	165.0	0.72	3,3,3,22
232	ok s=5,m=10	0.02	0.32	0.24	1	165.0	3360.0	684.6	0.02	0.03	165.0	0.93	3,3,3,20
233	ok s=5,m=10	0.03	0.36	0.33	1	33.0	3360.0	684.6	0.02				3,3,3,0
234	ok s=5,m=10	0.04	0.36	0.33	1	32.0	3360.0	684.6	0.02				3,3,3,0
235	ok s=5,m=10	0.02	0.33	0.24	1	165.0	3360.0	684.6	0.02	0.03	165.0	0.93	3,3,3,20
236	ok s=5,m=10	1.90e-03	0.14	0.19	1	165.0	3360.0	684.6	0.02	0.14	165.0	0.72	3,3,3,22
237	ok s=5,m=10	0.02	0.33	0.25	1	165.0	3360.0	684.6	0.02	0.03	165.0	0.92	3,4,3,16
238	ok s=5,m=10	0.03	0.36	0.33	1	33.0	3360.0	684.6	0.02				3,4,3,0
239	ok s=5,m=10	0.03	0.32	0.30	1	32.0	3360.0	684.6	0.02				4,3,3,0
240	ok s=5,m=10	0.02	0.28	0.19	1	165.0	3360.0	684.6	0.02	0.03	165.0	0.91	4,3,7,15
241	ok s=5,m=10	3.11e-03	0.16	0.17	1	165.0	3360.0	684.6	0.02	0.12	165.0	0.75	3,4,21,21
242	ok s=5,m=10	0.03	0.42	0.28	1	165.0	3360.0	684.6	0.02	0.18	165.0	0.99	3,3,7,3
243	ok s=5,m=10	0.04	0.44	0.41	1	33.0	3360.0	684.6	0.02				3,4,3,0
244	ok s=5,m=10	0.04	0.38	0.29	1	32.0	3360.0	684.6	0.02				3,3,21,0
245	ok s=5,m=10	0.03	0.32	0.19	1	165.0	3360.0	684.6	0.02	0.04	165.0	0.93	3,3,21,20
246	ok s=5,m=10	8.90e-03	0.34	0.39	1	165.0	3360.0	684.6	0.02	0.26	165.0	0.79	3,22,21,22
247	ok s=5,m=10	0.02	0.44	0.35	1	165.0	3360.0	684.6	0.02	0.24	165.0	0.88	22,3,21,3
248	ok s=5,m=10	0.03	0.21	0.18	1	33.0	3360.0	684.6	0.02				3,20,19,0
249	ok s=1,m=10	0.01	0.05	0.04	1	200.9	901.7	137.3	0.36	0.04	200.9	0.94	22,3,21,3
250	ok s=1,m=10	0.03	0.09	0.11	1	200.9	901.7	137.3	0.36	0.09	200.9	0.98	22,3,21,3
251	ok s=1,m=10	0.03	0.07	0.09	1	200.9	901.7	137.3	0.36	0.07	200.9	0.98	22,3,21,4
252	ok s=1,m=10	0.03	0.08	0.09	1	200.9	901.7	137.3	0.36	0.08	200.9	0.97	22,3,22,3
253	ok s=1,m=10	0.03	0.07	0.09	1	200.9	901.7	137.3	0.36	0.07	200.9	0.98	22,3,21,4
254	ok s=1,m=10	0.03	0.09	0.11	1	200.9	901.7	137.3	0.36	0.09	200.9	0.98	22,3,21,3
255	ok s=1,m=10	0.01	0.05	0.04	1	200.9	901.7	137.3	0.36	0.04	200.9	0.94	22,3,21,3
256	ok s=6,m=10	0.01	0.41	0.37	3	200.9	1201.3	660.9	0.02				21,3,22,0
257	ok s=6,m=10	0.02	0.75	0.48	3	200.9	1201.3	660.9	0.02				21,21,4,0

258	ok s=6,m=10	0.02	0.64	0.41	3	200.9	1201.3	660.9	0.02				21,21,21,0
259	ok s=6,m=10	0.01	0.34	0.54	3	200.9	1201.3	660.9	0.02				22,4,21,0
260	ok s=6,m=10	0.01	0.43	0.60	3	200.9	1201.3	660.9	0.02				21,3,22,0
261	ok s=6,m=10	0.02	0.59	0.49	3	200.9	1201.3	660.9	0.02				21,3,3,0
262	ok s=6,m=10	0.02	0.44	0.41	3	200.9	1201.3	660.9	0.02				22,21,4,0
263	ok s=6,m=10	0.01	0.34	0.47	3	200.9	1201.3	660.9	0.02				22,4,21,0
264	ok s=6,m=10	0.01	0.39	0.53	3	200.9	1201.3	660.9	0.02				21,3,22,0
265	ok s=6,m=10	0.02	0.51	0.45	3	200.9	1201.3	660.9	0.02				21,3,3,0
266	ok s=6,m=10	0.02	0.46	0.43	3	200.9	1201.3	660.9	0.02				21,4,4,0
267	ok s=6,m=10	0.01	0.37	0.51	3	200.9	1201.3	660.9	0.02				22,3,22,0
268	ok s=6,m=10	0.01	0.37	0.52	3	200.9	1201.3	660.9	0.02				22,3,22,0
269	ok s=6,m=10	0.02	0.46	0.43	3	200.9	1201.3	660.9	0.02				21,4,4,0
270	ok s=6,m=10	0.02	0.51	0.45	3	200.9	1201.3	660.9	0.02				21,3,3,0
271	ok s=6,m=10	0.01	0.39	0.52	3	200.9	1201.3	660.9	0.02				21,3,22,0
272	ok s=6,m=10	0.01	0.34	0.48	3	200.9	1201.3	660.9	0.02				22,4,21,0
273	ok s=6,m=10	0.02	0.44	0.41	3	200.9	1201.3	660.9	0.02				22,21,4,0
274	ok s=6,m=10	0.02	0.59	0.49	3	200.9	1201.3	660.9	0.02				21,3,3,0
275	ok s=6,m=10	0.01	0.44	0.59	3	200.9	1201.3	660.9	0.02				21,3,22,0
276	ok s=6,m=10	0.01	0.34	0.55	3	200.9	1201.3	660.9	0.02				22,4,21,0
277	ok s=6,m=10	0.02	0.64	0.41	3	200.9	1201.3	660.9	0.02				21,21,21,0
278	ok s=6,m=10	0.02	0.75	0.48	3	200.9	1201.3	660.9	0.02				21,21,4,0
279	ok s=6,m=10	0.01	0.41	0.37	3	200.9	1201.3	660.9	0.02				21,3,22,0
280	ok s=1,m=10	0.01	0.07	0.07	1	200.9	901.7	137.3	0.36	0.06	200.9	0.99	22,22,22,22
281	ok s=1,m=10	0.02	0.08	0.11	1	200.9	901.7	137.3	0.36	0.06	200.9	1.00	22,22,22,23
282	ok s=1,m=10	0.02	0.09	0.10	1	200.9	901.7	137.3	0.36	0.06	200.9	0.99	22,22,22,24
283	ok s=1,m=10	0.02	0.08	0.10	1	200.9	901.7	137.3	0.36	0.06	200.9	0.99	22,22,22,24
284	ok s=1,m=10	0.02	0.09	0.11	1	200.9	901.7	137.3	0.36	0.06	200.9	0.99	22,22,22,24
285	ok s=1,m=10	0.02	0.08	0.11	1	200.9	901.7	137.3	0.36	0.06	200.9	1.00	22,22,22,23
286	ok s=1,m=10	0.01	0.07	0.07	1	200.9	901.7	137.3	0.36	0.06	200.9	0.99	22,22,22,22
287	ok s=5,m=10	0.03	0.22	0.23	1	32.0	3360.0	684.6	0.02				4,3,4,0
288	ok s=5,m=10	0.02	0.45	0.42	1	165.0	3360.0	684.6	0.02	0.25	165.0	0.89	21,3,4,22
289	ok s=5,m=10	9.29e-03	0.35	0.37	1	165.0	3360.0	684.6	0.02	0.29	165.0	0.78	3,22,4,22
290	ok s=5,m=10	0.03	0.32	0.28	1	165.0	3360.0	684.6	0.02	0.04	165.0	0.92	3,3,4,9
291	ok s=5,m=10	0.05	0.43	0.42	1	33.0	3360.0	684.6	0.02				3,4,4,0
292	ok s=5,m=10	0.04	0.49	0.47	1	32.0	3360.0	684.6	0.02				4,3,4,0
293	ok s=5,m=10	0.03	0.43	0.35	1	165.0	3360.0	684.6	0.02	0.19	165.0	0.99	4,4,4,4
294	ok s=5,m=10	3.37e-03	0.17	0.20	1	165.0	3360.0	684.6	0.02	0.14	165.0	0.75	4,4,4,21
295	ok s=5,m=10	0.02	0.28	0.24	1	165.0	3360.0	684.6	0.02	0.04	165.0	0.90	22,3,4,15
296	ok s=5,m=10	0.04	0.36	0.35	1	33.0	3360.0	684.6	0.02				3,4,4,0
297	ok s=5,m=10	0.04	0.40	0.38	1	32.0	3360.0	684.6	0.02				4,3,4,0
298	ok s=5,m=10	0.03	0.34	0.28	1	165.0	3360.0	684.6	0.02	0.03	165.0	0.92	21,4,4,20
299	ok s=5,m=10	1.80e-03	0.15	0.22	1	165.0	3360.0	684.6	0.02	0.16	165.0	0.72	3,3,4,22
300	ok s=5,m=10	0.03	0.33	0.27	1	165.0	3360.0	684.6	0.02	0.03	165.0	0.93	3,3,4,20
301	ok s=5,m=10	0.04	0.40	0.39	1	33.0	3360.0	684.6	0.02				3,3,4,0
302	ok s=5,m=10	0.04	0.40	0.39	1	32.0	3360.0	684.6	0.02				3,3,4,0
303	ok s=5,m=10	0.03	0.33	0.28	1	165.0	3360.0	684.6	0.02	0.03	165.0	0.93	3,3,4,20
304	ok s=5,m=10	1.94e-03	0.15	0.22	1	165.0	3360.0	684.6	0.02	0.16	165.0	0.72	3,3,4,22
305	ok s=5,m=10	0.03	0.33	0.28	1	165.0	3360.0	684.6	0.02	0.03	165.0	0.92	21,4,4,20
306	ok s=5,m=10	0.04	0.40	0.38	1	33.0	3360.0	684.6	0.02				4,3,4,0
307	ok s=5,m=10	0.04	0.36	0.35	1	32.0	3360.0	684.6	0.02				3,4,4,0
308	ok s=5,m=10	0.02	0.29	0.24	1	165.0	3360.0	684.6	0.02	0.04	165.0	0.90	22,3,4,15
309	ok s=5,m=10	3.23e-03	0.16	0.20	1	165.0	3360.0	684.6	0.02	0.14	165.0	0.74	4,4,4,21
310	ok s=5,m=10	0.03	0.43	0.35	1	165.0	3360.0	684.6	0.02	0.19	165.0	0.99	4,4,4,4
311	ok s=5,m=10	0.04	0.49	0.47	1	33.0	3360.0	684.6	0.02				4,3,4,0
312	ok s=5,m=10	0.05	0.43	0.42	1	32.0	3360.0	684.6	0.02				3,4,4,0
313	ok s=5,m=10	0.03	0.33	0.28	1	165.0	3360.0	684.6	0.02	0.04	165.0	0.92	3,3,4,9
314	ok s=5,m=10	9.43e-03	0.36	0.37	1	165.0	3360.0	684.6	0.02	0.29	165.0	0.78	3,22,4,22
315	ok s=5,m=10	0.02	0.45	0.42	1	165.0	3360.0	684.6	0.02	0.25	165.0	0.89	21,3,4,22
316	ok s=5,m=10	0.03	0.22	0.23	1	33.0	3360.0	684.6	0.02				4,3,4,0
317	ok s=1,m=10	0.09	0.14	0.14	1	200.4	901.7	137.3	0.36	0.14	200.4	0.98	31,21,22,21
318	ok s=1,m=10	0.07	0.27	0.28	1	200.4	901.7	137.3	0.36	0.27	200.4	1.00	29,21,22,22
319	ok s=1,m=10	0.07	0.25	0.27	1	200.4	901.7	137.3	0.36	0.25	200.4	0.99	32,21,22,22
320	ok s=1,m=10	0.07	0.26	0.27	1	200.4	901.7	137.3	0.36	0.26	200.4	1.00	32,22,22,22
321	ok s=1,m=10	0.07	0.25	0.27	1	200.4	901.7	137.3	0.36	0.25	200.4	0.99	26,21,22,22
322	ok s=1,m=10	0.07	0.27	0.28	1	200.4	901.7	137.3	0.36	0.27	200.4	1.00	27,21,22,22
323	ok s=1,m=10	0.09	0.14	0.14	1	200.4	901.7	137.3	0.36	0.14	200.4	0.98	25,21,22,21
324	ok s=6,m=10	0.01	0.47	0.43	3	200.4	1201.3	660.9	0.02				3,4,21,0
325	ok s=6,m=10	0.02	0.75	0.44	3	200.4	1201.3	660.9	0.02				21,22,4,0
326	ok s=6,m=10	0.02	0.63	0.42	3	200.4	1201.3	660.9	0.02				22,22,22,0
327	ok s=6,m=10	0.01	0.46	0.41	3	200.4	1201.3	660.9	0.02				4,3,22,0
328	ok s=6,m=10	0.01	0.56	0.57	3	200.4	1201.3	660.9	0.02				3,4,21,0
329	ok s=6,m=10	0.02	0.68	0.53	3	200.4	1201.3	660.9	0.02				22,4,4,0
330	ok s=6,m=10	0.02	0.48	0.45	3	200.4	1201.3	660.9	0.02				22,3,3,0
331	ok s=6,m=10	0.01	0.46	0.39	3	200.4	1201.3	660.9	0.02				4,3,22,0
332	ok s=6,m=10	0.01	0.51	0.48	3	200.4	1201.3	660.9	0.02				3,4,21,0
333	ok s=6,m=10	0.02	0.59	0.48	3	200.4	1201.3	660.9	0.02				22,4,4,0

334	ok s=6,m=10	0.02	0.54	0.47	3	200.4	1201.3	660.9	0.02				21,3,3,0
335	ok s=6,m=10	0.01	0.49	0.43	3	200.4	1201.3	660.9	0.02				4,3,22,0
336	ok s=6,m=10	0.01	0.49	0.44	3	200.4	1201.3	660.9	0.02				4,3,22,0
337	ok s=6,m=10	0.02	0.54	0.47	3	200.4	1201.3	660.9	0.02				21,3,3,0
338	ok s=6,m=10	0.02	0.59	0.48	3	200.4	1201.3	660.9	0.02				22,4,4,0
339	ok s=6,m=10	0.01	0.51	0.47	3	200.4	1201.3	660.9	0.02				3,4,21,0
340	ok s=6,m=10	0.01	0.46	0.39	3	200.4	1201.3	660.9	0.02				4,3,22,0
341	ok s=6,m=10	0.02	0.49	0.45	3	200.4	1201.3	660.9	0.02				22,3,3,0
342	ok s=6,m=10	0.02	0.68	0.53	3	200.4	1201.3	660.9	0.02				22,4,4,0
343	ok s=6,m=10	0.01	0.56	0.56	3	200.4	1201.3	660.9	0.02				3,4,21,0
344	ok s=6,m=10	0.01	0.46	0.42	3	200.4	1201.3	660.9	0.02				4,3,22,0
345	ok s=6,m=10	0.02	0.63	0.42	3	200.4	1201.3	660.9	0.02				22,22,22,0
346	ok s=6,m=10	0.02	0.75	0.44	3	200.4	1201.3	660.9	0.02				21,22,4,0
347	ok s=6,m=10	0.01	0.48	0.42	3	200.4	1201.3	660.9	0.02				3,4,21,0
348	ok s=1,m=10	0.09	0.15	0.14	1	200.4	299.6	50.3	0.82	0.15	200.4	0.99	31,3,4,4
349	ok s=1,m=10	0.07	0.33	0.31	1	200.4	299.6	50.3	0.82	0.34	200.4	0.99	29,4,4,3
350	ok s=1,m=10	0.07	0.31	0.28	1	200.4	299.6	50.3	0.82	0.31	200.4	0.99	32,3,4,3
351	ok s=1,m=10	0.07	0.31	0.28	1	200.4	299.6	50.3	0.82	0.31	200.4	0.99	32,3,3,3
352	ok s=1,m=10	0.07	0.31	0.28	1	200.4	299.6	50.3	0.82	0.31	200.4	0.99	26,3,4,3
353	ok s=1,m=10	0.07	0.33	0.31	1	200.4	299.6	50.3	0.82	0.34	200.4	0.99	27,4,4,3
354	ok s=1,m=10	0.09	0.15	0.14	1	200.4	299.6	50.3	0.82	0.15	200.4	0.99	25,3,4,4
355	ok s=5,m=10	0.03	0.23	0.19	1	32.0	3360.0	684.6	0.02				4,4,22,0
356	ok s=5,m=10	0.02	0.47	0.39	1	165.0	3360.0	684.6	0.02	0.27	165.0	0.88	21,3,22,3
357	ok s=5,m=10	9.71e-03	0.37	0.42	1	165.0	3360.0	684.6	0.02	0.30	165.0	0.78	3,22,22,22
358	ok s=5,m=10	0.04	0.34	0.07	1	165.0	3360.0	684.6	0.02	0.05	165.0	0.90	3,3,14,19
359	ok s=5,m=10	0.05	0.47	0.24	1	33.0	3360.0	684.6	0.02				3,3,29,0
360	ok s=5,m=10	0.05	0.53	0.32	1	32.0	3360.0	684.6	0.02				4,4,22,0
361	ok s=5,m=10	0.03	0.45	0.20	1	165.0	3360.0	684.6	0.02	0.21	165.0	1.00	4,4,12,4
362	ok s=5,m=10	3.06e-03	0.18	0.12	1	165.0	3360.0	684.6	0.02	0.16	165.0	0.74	4,21,31,21
363	ok s=5,m=10	0.03	0.31	0.11	1	165.0	3360.0	684.6	0.02	0.04	165.0	0.91	3,3,25,19
364	ok s=5,m=10	0.04	0.41	0.22	1	33.0	3360.0	684.6	0.02				3,3,25,0
365	ok s=5,m=10	0.04	0.45	0.25	1	32.0	3360.0	684.6	0.02				4,4,32,0
366	ok s=5,m=10	0.03	0.36	0.17	1	165.0	3360.0	684.6	0.02	0.04	165.0	0.91	4,4,12,20
367	ok s=5,m=10	1.73e-03	0.16	0.12	1	165.0	3360.0	684.6	0.02	0.17	165.0	0.72	42,3,51,22
368	ok s=5,m=10	0.03	0.35	0.15	1	165.0	3360.0	684.6	0.02	0.03	165.0	0.92	3,3,12,20
369	ok s=5,m=10	0.04	0.45	0.24	1	33.0	3360.0	684.6	0.02				3,3,30,0
370	ok s=5,m=10	0.04	0.45	0.24	1	32.0	3360.0	684.6	0.02				3,3,28,0
371	ok s=5,m=10	0.03	0.35	0.15	1	165.0	3360.0	684.6	0.02	0.03	165.0	0.92	3,3,12,20
372	ok s=5,m=10	1.82e-03	0.16	0.12	1	165.0	3360.0	684.6	0.02	0.17	165.0	0.72	3,3,41,22
373	ok s=5,m=10	0.03	0.36	0.17	1	165.0	3360.0	684.6	0.02	0.04	165.0	0.91	4,4,12,20
374	ok s=5,m=10	0.04	0.44	0.25	1	33.0	3360.0	684.6	0.02				4,4,26,0
375	ok s=5,m=10	0.04	0.41	0.22	1	32.0	3360.0	684.6	0.02				3,3,31,0
376	ok s=5,m=10	0.03	0.31	0.11	1	165.0	3360.0	684.6	0.02	0.04	165.0	0.91	3,3,31,19
377	ok s=5,m=10	2.90e-03	0.18	0.12	1	165.0	3360.0	684.6	0.02	0.16	165.0	0.73	4,21,25,21
378	ok s=5,m=10	0.03	0.44	0.20	1	165.0	3360.0	684.6	0.02	0.17	165.0	1.00	4,4,12,8
379	ok s=5,m=10	0.05	0.53	0.30	1	33.0	3360.0	684.6	0.02				4,4,26,0
380	ok s=5,m=10	0.05	0.47	0.24	1	32.0	3360.0	684.6	0.02				3,3,27,0
381	ok s=5,m=10	0.04	0.34	0.07	1	165.0	3360.0	684.6	0.02	0.05	165.0	0.91	3,3,14,19
382	ok s=5,m=10	9.85e-03	0.37	0.42	1	165.0	3360.0	684.6	0.02	0.30	165.0	0.78	3,22,22,22
383	ok s=5,m=10	0.02	0.47	0.39	1	165.0	3360.0	684.6	0.02	0.27	165.0	0.88	21,3,22,3
384	ok s=5,m=10	0.03	0.23	0.19	1	33.0	3360.0	684.6	0.02				4,4,22,0
385	ok s=1,m=10	0.01	0.07	0.06	1	199.4	299.6	50.0	0.82	0.06	199.4	0.98	3,3,3,3
386	ok s=1,m=10	0.02	0.12	0.12	1	199.4	299.6	50.0	0.82	0.12	199.4	0.98	4,3,3,4
387	ok s=1,m=10	0.02	0.11	0.11	1	199.4	299.6	50.0	0.82	0.11	199.4	0.98	3,3,3,3
388	ok s=1,m=10	0.02	0.11	0.11	1	199.4	299.6	50.0	0.82	0.11	199.4	0.98	3,3,3,3
389	ok s=1,m=10	0.02	0.11	0.11	1	199.4	299.6	50.0	0.82	0.11	199.4	0.98	3,3,3,3
390	ok s=1,m=10	0.02	0.12	0.12	1	199.4	299.6	50.0	0.82	0.12	199.4	0.98	4,3,3,4
391	ok s=1,m=10	0.01	0.07	0.06	1	199.4	299.6	50.0	0.82	0.06	199.4	0.98	3,3,3,3
392	ok s=6,m=10	0.01	0.48	0.47	3	199.4	1201.3	660.9	0.02				21,4,4,0
393	ok s=6,m=10	0.03	0.72	0.44	3	199.4	1201.3	660.9	0.02				21,22,4,0
394	ok s=6,m=10	0.03	0.63	0.43	3	199.4	1201.3	660.9	0.02				21,22,22,0
395	ok s=6,m=10	0.01	0.46	0.25	3	199.4	1201.3	660.9	0.02				3,3,22,0
396	ok s=6,m=10	0.01	0.56	0.46	3	199.4	1201.3	660.9	0.02				3,4,22,0
397	ok s=6,m=10	0.03	0.72	0.52	3	199.4	1201.3	660.9	0.02				22,4,4,0
398	ok s=6,m=10	0.03	0.50	0.44	3	199.4	1201.3	660.9	0.02				22,3,3,0
399	ok s=6,m=10	0.01	0.47	0.29	3	199.4	1201.3	660.9	0.02				3,3,3,0
400	ok s=6,m=10	0.01	0.51	0.38	3	199.4	1201.3	660.9	0.02				4,4,22,0
401	ok s=6,m=10	0.03	0.62	0.47	3	199.4	1201.3	660.9	0.02				21,4,4,0
402	ok s=6,m=10	0.03	0.57	0.46	3	199.4	1201.3	660.9	0.02				21,3,3,0
403	ok s=6,m=10	0.01	0.50	0.33	3	199.4	1201.3	660.9	0.02				3,3,3,0
404	ok s=6,m=10	0.01	0.49	0.33	3	199.4	1201.3	660.9	0.02				3,3,3,0
405	ok s=6,m=10	0.03	0.57	0.46	3	199.4	1201.3	660.9	0.02				21,3,3,0
406	ok s=6,m=10	0.03	0.61	0.47	3	199.4	1201.3	660.9	0.02				21,4,4,0
407	ok s=6,m=10	0.01	0.52	0.37	3	199.4	1201.3	660.9	0.02				4,4,22,0
408	ok s=6,m=10	0.01	0.46	0.29	3	199.4	1201.3	660.9	0.02				3,3,3,0
409	ok s=6,m=10	0.03	0.51	0.44	3	199.4	1201.3	660.9	0.02				22,3,3,0

410	ok	s=6,m=10	0.03	0.72	0.52	3	199.4	1201.3	660.9	0.02				22,4,4,0
411	ok	s=6,m=10	0.01	0.57	0.45	3	199.4	1201.3	660.9	0.02				3,4,22,0
412	ok	s=6,m=10	0.01	0.46	0.25	3	199.4	1201.3	660.9	0.02				3,3,22,0
413	ok	s=6,m=10	0.03	0.63	0.43	3	199.4	1201.3	660.9	0.02				21,22,22,0
414	ok	s=6,m=10	0.03	0.72	0.44	3	199.4	1201.3	660.9	0.02				21,22,4,0
415	ok	s=6,m=10	0.01	0.48	0.47	3	199.4	1201.3	660.9	0.02				21,4,4,0
416	ok	s=1,m=10	9.18e-03	0.03	0.03	1	199.4	299.6	50.0	0.82	0.01	199.4	0.98	3,4,4,11
417	ok	s=1,m=10	0.02	0.06	0.05	1	199.4	299.6	50.0	0.82	5.44e-03	199.4	0.98	4,4,4,13
418	ok	s=1,m=10	0.02	0.05	0.04	1	199.4	299.6	50.0	0.82	5.98e-03	199.4	0.98	3,4,4,24
419	ok	s=1,m=10	0.02	0.05	0.04	1	199.4	299.6	50.0	0.82	5.96e-03	199.4	0.98	3,3,3,24
420	ok	s=1,m=10	0.02	0.05	0.04	1	199.4	299.6	50.0	0.82	5.98e-03	199.4	0.98	3,4,4,24
421	ok	s=1,m=10	0.02	0.06	0.05	1	199.4	299.6	50.0	0.82	5.43e-03	199.4	0.98	4,4,4,13
422	ok	s=1,m=10	9.15e-03	0.03	0.03	1	199.4	299.6	50.0	0.82	0.01	199.4	0.98	3,4,4,11
423	ok	s=4,m=10	0.03	0.17	0.27	1	32.0	3360.0	684.6	0.02				22,3,3,0
424	ok	s=4,m=10	9.70e-03	0.29	0.42	1	165.0	3360.0	684.6	0.02	0.13	165.0	0.88	3,4,3,3
425	ok	s=4,m=10	6.20e-03	0.18	0.47	1	165.0	3360.0	684.6	0.02	0.14	165.0	0.77	22,22,3,3
426	ok	s=4,m=10	0.02	0.21	0.40	1	165.0	3360.0	684.6	0.02	0.08	165.0	0.96	22,3,21,22
427	ok	s=4,m=10	0.03	0.25	0.39	1	33.0	3360.0	684.6	0.02	0.02	33.0	1.00	21,3,3,20
428	ok	s=4,m=10	0.02	0.29	0.47	1	32.0	3360.0	684.6	0.02	0.02	32.0	1.00	22,3,3,20
429	ok	s=4,m=10	0.01	0.27	0.53	1	165.0	3360.0	684.6	0.02	0.05	165.0	0.99	4,4,19,22
430	ok	s=4,m=10	1.79e-03	0.11	0.54	1	165.0	3360.0	684.6	0.02	0.07	165.0	0.73	43,4,21,22
431	ok	s=4,m=10	0.01	0.20	0.52	1	165.0	3360.0	684.6	0.02	0.05	165.0	0.97	3,3,19,42
432	ok	s=4,m=10	0.02	0.25	0.50	1	33.0	3360.0	684.6	0.02	0.01	33.0	1.00	21,3,21,19
433	ok	s=4,m=10	0.02	0.28	0.55	1	32.0	3360.0	684.6	0.02	0.01	32.0	1.00	22,3,21,19
434	ok	s=4,m=10	0.01	0.25	0.59	1	165.0	3360.0	684.6	0.02	0.05	165.0	0.98	3,4,19,42
435	ok	s=4,m=10	1.68e-03	0.10	0.59	1	165.0	3360.0	684.6	0.02	0.06	165.0	0.71	41,4,21,22
436	ok	s=4,m=10	0.01	0.23	0.58	1	165.0	3360.0	684.6	0.02	0.05	165.0	0.96	3,3,19,50
437	ok	s=4,m=10	0.02	0.26	0.57	1	33.0	3360.0	684.6	0.02	4.54e-03	33.0	1.00	22,3,21,10
438	ok	s=4,m=10	0.02	0.26	0.57	1	32.0	3360.0	684.6	0.02				22,3,21,0
439	ok	s=4,m=10	0.01	0.23	0.58	1	165.0	3360.0	684.6	0.02	0.05	165.0	0.96	3,3,19,44
440	ok	s=4,m=10	1.64e-03	0.10	0.59	1	165.0	3360.0	684.6	0.02	0.06	165.0	0.71	51,4,21,22
441	ok	s=4,m=10	0.01	0.25	0.59	1	165.0	3360.0	684.6	0.02	0.05	165.0	0.98	3,4,19,52
442	ok	s=4,m=10	0.02	0.28	0.55	1	33.0	3360.0	684.6	0.02	0.01	33.0	1.00	22,3,21,19
443	ok	s=4,m=10	0.02	0.25	0.50	1	32.0	3360.0	684.6	0.02				21,3,3,0
444	ok	s=4,m=10	0.01	0.21	0.52	1	165.0	3360.0	684.6	0.02	0.06	165.0	0.97	3,3,19,52
445	ok	s=4,m=10	1.83e-03	0.11	0.54	1	165.0	3360.0	684.6	0.02	0.07	165.0	0.73	49,4,21,22
446	ok	s=4,m=10	0.01	0.27	0.53	1	165.0	3360.0	684.6	0.02	0.05	165.0	0.99	4,4,19,22
447	ok	s=4,m=10	0.02	0.29	0.47	1	33.0	3360.0	684.6	0.02	0.02	33.0	1.00	22,4,3,20
448	ok	s=4,m=10	0.03	0.25	0.40	1	32.0	3360.0	684.6	0.02	0.02	32.0	1.00	21,3,3,20
449	ok	s=4,m=10	0.02	0.21	0.40	1	165.0	3360.0	684.6	0.02	0.08	165.0	0.96	22,3,21,22
450	ok	s=4,m=10	6.27e-03	0.18	0.48	1	165.0	3360.0	684.6	0.02	0.14	165.0	0.77	22,22,3,3
451	ok	s=4,m=10	9.64e-03	0.29	0.42	1	165.0	3360.0	684.6	0.02	0.13	165.0	0.88	3,4,3,3
452	ok	s=4,m=10	0.03	0.17	0.27	1	33.0	3360.0	684.6	0.02				22,3,3,0

Trave	**V V/T**	**V N/M**	**V stab**	**B22xL**	**B33xL**	**Snellezza**	**Chi mn**	**V flst**	**B11xL**	**Chi LT**
							0.02			0.71
	0.09	0.75	0.71	3360.00		684.56		0.37	506.97	

Trave	**v.Omeg**	**f.Om. N**	**Stato**	**V N/M**	**V stab**	**Rif. cmb**	**V.7.5.3**	**M Ed** daN cm	**V.7.5.4**	**N Ed** daN	**V.7.5.5**	**V Ed,G** daN	**V Ed,M** daN
1							0.0	0.0	0.0	0.0	0.0	0.0	0.0
2							0.0	0.0	0.0	0.0	0.0	0.0	0.0
3							0.0	0.0	0.0	0.0	0.0	0.0	0.0
4							0.0	0.0	0.0	0.0	0.0	0.0	0.0
5							0.0	0.0	0.0	0.0	0.0	0.0	0.0
6							0.0	0.0	0.0	0.0	0.0	0.0	0.0
7							0.0	0.0	0.0	0.0	0.0	0.0	0.0
8							0.0	0.0	0.0	0.0	0.0	0.0	0.0
9							0.0	0.0	0.0	0.0	0.0	0.0	0.0
10							0.0	0.0	0.0	0.0	0.0	0.0	0.0
11							0.0	0.0	0.0	0.0	0.0	0.0	0.0
12							0.0	0.0	0.0	0.0	0.0	0.0	0.0
13							0.0	0.0	0.0	0.0	0.0	0.0	0.0
14							0.0	0.0	0.0	0.0	0.0	0.0	0.0
15							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
23							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
52	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
55	0.0	0.0	0.0	0.0	0.0	0.0	0.0
56	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57	0.0	0.0	0.0	0.0	0.0	0.0	0.0
58	0.0	0.0	0.0	0.0	0.0	0.0	0.0
59	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60	0.0	0.0	0.0	0.0	0.0	0.0	0.0
61	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62	0.0	0.0	0.0	0.0	0.0	0.0	0.0
63	0.0	0.0	0.0	0.0	0.0	0.0	0.0
64	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65	0.0	0.0	0.0	0.0	0.0	0.0	0.0
66	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67	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
73	0.0	0.0	0.0	0.0	0.0	0.0	0.0
74	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75	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
83	0.0	0.0	0.0	0.0	0.0	0.0	0.0
84	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
88	0.0	0.0	0.0	0.0	0.0	0.0	0.0
89	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90	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
94	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95	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
100	0.0	0.0	0.0	0.0	0.0	0.0	0.0
101	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102	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
105	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
130	0.0	0.0	0.0	0.0	0.0	0.0	0.0
131	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
133	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
135	0.0	0.0	0.0	0.0	0.0	0.0	0.0
136	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137	0.0	0.0	0.0	0.0	0.0	0.0	0.0
138	0.0	0.0	0.0	0.0	0.0	0.0	0.0
139	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
142	0.0	0.0	0.0	0.0	0.0	0.0	0.0
143	0.0	0.0	0.0	0.0	0.0	0.0	0.0
144	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145	0.0	0.0	0.0	0.0	0.0	0.0	0.0
146	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147	0.0	0.0	0.0	0.0	0.0	0.0	0.0
148	0.0	0.0	0.0	0.0	0.0	0.0	0.0
149	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
158	0.0	0.0	0.0	0.0	0.0	0.0	0.0
159	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160	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
162	0.0	0.0	0.0	0.0	0.0	0.0	0.0
163	0.0	0.0	0.0	0.0	0.0	0.0	0.0
164	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165	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
184	0.0	0.0	0.0	0.0	0.0	0.0	0.0
185	0.0	0.0	0.0	0.0	0.0	0.0	0.0
186	0.0	0.0	0.0	0.0	0.0	0.0	0.0
187	0.0	0.0	0.0	0.0	0.0	0.0	0.0
188	0.0	0.0	0.0	0.0	0.0	0.0	0.0
189	0.0	0.0	0.0	0.0	0.0	0.0	0.0
190	0.0	0.0	0.0	0.0	0.0	0.0	0.0
191	0.0	0.0	0.0	0.0	0.0	0.0	0.0
192	0.0	0.0	0.0	0.0	0.0	0.0	0.0
193	0.0	0.0	0.0	0.0	0.0	0.0	0.0
194	0.0	0.0	0.0	0.0	0.0	0.0	0.0
195	0.0	0.0	0.0	0.0	0.0	0.0	0.0
196	0.0	0.0	0.0	0.0	0.0	0.0	0.0
197	0.0	0.0	0.0	0.0	0.0	0.0	0.0
198	0.0	0.0	0.0	0.0	0.0	0.0	0.0
199	0.0	0.0	0.0	0.0	0.0	0.0	0.0
200	0.0	0.0	0.0	0.0	0.0	0.0	0.0
201	0.0	0.0	0.0	0.0	0.0	0.0	0.0
202	0.0	0.0	0.0	0.0	0.0	0.0	0.0
203	0.0	0.0	0.0	0.0	0.0	0.0	0.0
204	0.0	0.0	0.0	0.0	0.0	0.0	0.0
205	0.0	0.0	0.0	0.0	0.0	0.0	0.0
206	0.0	0.0	0.0	0.0	0.0	0.0	0.0
207	0.0	0.0	0.0	0.0	0.0	0.0	0.0
208	0.0	0.0	0.0	0.0	0.0	0.0	0.0
209	0.0	0.0	0.0	0.0	0.0	0.0	0.0
210	0.0	0.0	0.0	0.0	0.0	0.0	0.0
211	0.0	0.0	0.0	0.0	0.0	0.0	0.0
212	0.0	0.0	0.0	0.0	0.0	0.0	0.0
213	0.0	0.0	0.0	0.0	0.0	0.0	0.0
214	0.0	0.0	0.0	0.0	0.0	0.0	0.0
215	0.0	0.0	0.0	0.0	0.0	0.0	0.0
216	0.0	0.0	0.0	0.0	0.0	0.0	0.0
217	0.0	0.0	0.0	0.0	0.0	0.0	0.0
218	0.0	0.0	0.0	0.0	0.0	0.0	0.0
219	0.0	0.0	0.0	0.0	0.0	0.0	0.0
220	0.0	0.0	0.0	0.0	0.0	0.0	0.0
221	0.0	0.0	0.0	0.0	0.0	0.0	0.0
222	0.0	0.0	0.0	0.0	0.0	0.0	0.0
223	0.0	0.0	0.0	0.0	0.0	0.0	0.0
224	0.0	0.0	0.0	0.0	0.0	0.0	0.0
225	0.0	0.0	0.0	0.0	0.0	0.0	0.0
226	0.0	0.0	0.0	0.0	0.0	0.0	0.0
227	0.0	0.0	0.0	0.0	0.0	0.0	0.0
228	0.0	0.0	0.0	0.0	0.0	0.0	0.0
229	0.0	0.0	0.0	0.0	0.0	0.0	0.0
230	0.0	0.0	0.0	0.0	0.0	0.0	0.0
231	0.0	0.0	0.0	0.0	0.0	0.0	0.0
232	0.0	0.0	0.0	0.0	0.0	0.0	0.0
233	0.0	0.0	0.0	0.0	0.0	0.0	0.0
234	0.0	0.0	0.0	0.0	0.0	0.0	0.0
235	0.0	0.0	0.0	0.0	0.0	0.0	0.0
236	0.0	0.0	0.0	0.0	0.0	0.0	0.0
237	0.0	0.0	0.0	0.0	0.0	0.0	0.0
238	0.0	0.0	0.0	0.0	0.0	0.0	0.0
239	0.0	0.0	0.0	0.0	0.0	0.0	0.0
240	0.0	0.0	0.0	0.0	0.0	0.0	0.0
241	0.0	0.0	0.0	0.0	0.0	0.0	0.0
242	0.0	0.0	0.0	0.0	0.0	0.0	0.0
243	0.0	0.0	0.0	0.0	0.0	0.0	0.0
244	0.0	0.0	0.0	0.0	0.0	0.0	0.0
245	0.0	0.0	0.0	0.0	0.0	0.0	0.0
246	0.0	0.0	0.0	0.0	0.0	0.0	0.0
247	0.0	0.0	0.0	0.0	0.0	0.0	0.0
248	0.0	0.0	0.0	0.0	0.0	0.0	0.0
249	0.0	0.0	0.0	0.0	0.0	0.0	0.0
250	0.0	0.0	0.0	0.0	0.0	0.0	0.0
251	0.0	0.0	0.0	0.0	0.0	0.0	0.0
252	0.0	0.0	0.0	0.0	0.0	0.0	0.0
253	0.0	0.0	0.0	0.0	0.0	0.0	0.0
254	0.0	0.0	0.0	0.0	0.0	0.0	0.0

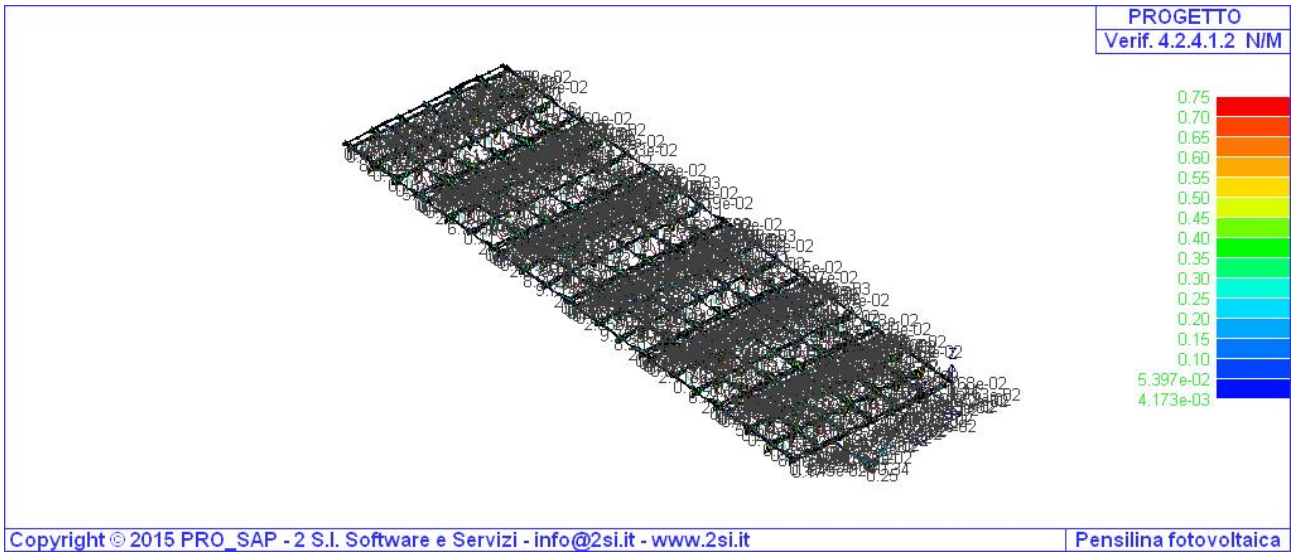
255	0.0	0.0	0.0	0.0	0.0	0.0	0.0
256	0.0	0.0	0.0	0.0	0.0	0.0	0.0
257	0.0	0.0	0.0	0.0	0.0	0.0	0.0
258	0.0	0.0	0.0	0.0	0.0	0.0	0.0
259	0.0	0.0	0.0	0.0	0.0	0.0	0.0
260	0.0	0.0	0.0	0.0	0.0	0.0	0.0
261	0.0	0.0	0.0	0.0	0.0	0.0	0.0
262	0.0	0.0	0.0	0.0	0.0	0.0	0.0
263	0.0	0.0	0.0	0.0	0.0	0.0	0.0
264	0.0	0.0	0.0	0.0	0.0	0.0	0.0
265	0.0	0.0	0.0	0.0	0.0	0.0	0.0
266	0.0	0.0	0.0	0.0	0.0	0.0	0.0
267	0.0	0.0	0.0	0.0	0.0	0.0	0.0
268	0.0	0.0	0.0	0.0	0.0	0.0	0.0
269	0.0	0.0	0.0	0.0	0.0	0.0	0.0
270	0.0	0.0	0.0	0.0	0.0	0.0	0.0
271	0.0	0.0	0.0	0.0	0.0	0.0	0.0
272	0.0	0.0	0.0	0.0	0.0	0.0	0.0
273	0.0	0.0	0.0	0.0	0.0	0.0	0.0
274	0.0	0.0	0.0	0.0	0.0	0.0	0.0
275	0.0	0.0	0.0	0.0	0.0	0.0	0.0
276	0.0	0.0	0.0	0.0	0.0	0.0	0.0
277	0.0	0.0	0.0	0.0	0.0	0.0	0.0
278	0.0	0.0	0.0	0.0	0.0	0.0	0.0
279	0.0	0.0	0.0	0.0	0.0	0.0	0.0
280	0.0	0.0	0.0	0.0	0.0	0.0	0.0
281	0.0	0.0	0.0	0.0	0.0	0.0	0.0
282	0.0	0.0	0.0	0.0	0.0	0.0	0.0
283	0.0	0.0	0.0	0.0	0.0	0.0	0.0
284	0.0	0.0	0.0	0.0	0.0	0.0	0.0
285	0.0	0.0	0.0	0.0	0.0	0.0	0.0
286	0.0	0.0	0.0	0.0	0.0	0.0	0.0
287	0.0	0.0	0.0	0.0	0.0	0.0	0.0
288	0.0	0.0	0.0	0.0	0.0	0.0	0.0
289	0.0	0.0	0.0	0.0	0.0	0.0	0.0
290	0.0	0.0	0.0	0.0	0.0	0.0	0.0
291	0.0	0.0	0.0	0.0	0.0	0.0	0.0
292	0.0	0.0	0.0	0.0	0.0	0.0	0.0
293	0.0	0.0	0.0	0.0	0.0	0.0	0.0
294	0.0	0.0	0.0	0.0	0.0	0.0	0.0
295	0.0	0.0	0.0	0.0	0.0	0.0	0.0
296	0.0	0.0	0.0	0.0	0.0	0.0	0.0
297	0.0	0.0	0.0	0.0	0.0	0.0	0.0
298	0.0	0.0	0.0	0.0	0.0	0.0	0.0
299	0.0	0.0	0.0	0.0	0.0	0.0	0.0
300	0.0	0.0	0.0	0.0	0.0	0.0	0.0
301	0.0	0.0	0.0	0.0	0.0	0.0	0.0
302	0.0	0.0	0.0	0.0	0.0	0.0	0.0
303	0.0	0.0	0.0	0.0	0.0	0.0	0.0
304	0.0	0.0	0.0	0.0	0.0	0.0	0.0
305	0.0	0.0	0.0	0.0	0.0	0.0	0.0
306	0.0	0.0	0.0	0.0	0.0	0.0	0.0
307	0.0	0.0	0.0	0.0	0.0	0.0	0.0
308	0.0	0.0	0.0	0.0	0.0	0.0	0.0
309	0.0	0.0	0.0	0.0	0.0	0.0	0.0
310	0.0	0.0	0.0	0.0	0.0	0.0	0.0
311	0.0	0.0	0.0	0.0	0.0	0.0	0.0
312	0.0	0.0	0.0	0.0	0.0	0.0	0.0
313	0.0	0.0	0.0	0.0	0.0	0.0	0.0
314	0.0	0.0	0.0	0.0	0.0	0.0	0.0
315	0.0	0.0	0.0	0.0	0.0	0.0	0.0
316	0.0	0.0	0.0	0.0	0.0	0.0	0.0
317	0.0	0.0	0.0	0.0	0.0	0.0	0.0
318	0.0	0.0	0.0	0.0	0.0	0.0	0.0
319	0.0	0.0	0.0	0.0	0.0	0.0	0.0
320	0.0	0.0	0.0	0.0	0.0	0.0	0.0
321	0.0	0.0	0.0	0.0	0.0	0.0	0.0
322	0.0	0.0	0.0	0.0	0.0	0.0	0.0
323	0.0	0.0	0.0	0.0	0.0	0.0	0.0
324	0.0	0.0	0.0	0.0	0.0	0.0	0.0
325	0.0	0.0	0.0	0.0	0.0	0.0	0.0
326	0.0	0.0	0.0	0.0	0.0	0.0	0.0
327	0.0	0.0	0.0	0.0	0.0	0.0	0.0
328	0.0	0.0	0.0	0.0	0.0	0.0	0.0
329	0.0	0.0	0.0	0.0	0.0	0.0	0.0
330	0.0	0.0	0.0	0.0	0.0	0.0	0.0

331	0.0	0.0	0.0	0.0	0.0	0.0	0.0
332	0.0	0.0	0.0	0.0	0.0	0.0	0.0
333	0.0	0.0	0.0	0.0	0.0	0.0	0.0
334	0.0	0.0	0.0	0.0	0.0	0.0	0.0
335	0.0	0.0	0.0	0.0	0.0	0.0	0.0
336	0.0	0.0	0.0	0.0	0.0	0.0	0.0
337	0.0	0.0	0.0	0.0	0.0	0.0	0.0
338	0.0	0.0	0.0	0.0	0.0	0.0	0.0
339	0.0	0.0	0.0	0.0	0.0	0.0	0.0
340	0.0	0.0	0.0	0.0	0.0	0.0	0.0
341	0.0	0.0	0.0	0.0	0.0	0.0	0.0
342	0.0	0.0	0.0	0.0	0.0	0.0	0.0
343	0.0	0.0	0.0	0.0	0.0	0.0	0.0
344	0.0	0.0	0.0	0.0	0.0	0.0	0.0
345	0.0	0.0	0.0	0.0	0.0	0.0	0.0
346	0.0	0.0	0.0	0.0	0.0	0.0	0.0
347	0.0	0.0	0.0	0.0	0.0	0.0	0.0
348	0.0	0.0	0.0	0.0	0.0	0.0	0.0
349	0.0	0.0	0.0	0.0	0.0	0.0	0.0
350	0.0	0.0	0.0	0.0	0.0	0.0	0.0
351	0.0	0.0	0.0	0.0	0.0	0.0	0.0
352	0.0	0.0	0.0	0.0	0.0	0.0	0.0
353	0.0	0.0	0.0	0.0	0.0	0.0	0.0
354	0.0	0.0	0.0	0.0	0.0	0.0	0.0
355	0.0	0.0	0.0	0.0	0.0	0.0	0.0
356	0.0	0.0	0.0	0.0	0.0	0.0	0.0
357	0.0	0.0	0.0	0.0	0.0	0.0	0.0
358	0.0	0.0	0.0	0.0	0.0	0.0	0.0
359	0.0	0.0	0.0	0.0	0.0	0.0	0.0
360	0.0	0.0	0.0	0.0	0.0	0.0	0.0
361	0.0	0.0	0.0	0.0	0.0	0.0	0.0
362	0.0	0.0	0.0	0.0	0.0	0.0	0.0
363	0.0	0.0	0.0	0.0	0.0	0.0	0.0
364	0.0	0.0	0.0	0.0	0.0	0.0	0.0
365	0.0	0.0	0.0	0.0	0.0	0.0	0.0
366	0.0	0.0	0.0	0.0	0.0	0.0	0.0
367	0.0	0.0	0.0	0.0	0.0	0.0	0.0
368	0.0	0.0	0.0	0.0	0.0	0.0	0.0
369	0.0	0.0	0.0	0.0	0.0	0.0	0.0
370	0.0	0.0	0.0	0.0	0.0	0.0	0.0
371	0.0	0.0	0.0	0.0	0.0	0.0	0.0
372	0.0	0.0	0.0	0.0	0.0	0.0	0.0
373	0.0	0.0	0.0	0.0	0.0	0.0	0.0
374	0.0	0.0	0.0	0.0	0.0	0.0	0.0
375	0.0	0.0	0.0	0.0	0.0	0.0	0.0
376	0.0	0.0	0.0	0.0	0.0	0.0	0.0
377	0.0	0.0	0.0	0.0	0.0	0.0	0.0
378	0.0	0.0	0.0	0.0	0.0	0.0	0.0
379	0.0	0.0	0.0	0.0	0.0	0.0	0.0
380	0.0	0.0	0.0	0.0	0.0	0.0	0.0
381	0.0	0.0	0.0	0.0	0.0	0.0	0.0
382	0.0	0.0	0.0	0.0	0.0	0.0	0.0
383	0.0	0.0	0.0	0.0	0.0	0.0	0.0
384	0.0	0.0	0.0	0.0	0.0	0.0	0.0
385	0.0	0.0	0.0	0.0	0.0	0.0	0.0
386	0.0	0.0	0.0	0.0	0.0	0.0	0.0
387	0.0	0.0	0.0	0.0	0.0	0.0	0.0
388	0.0	0.0	0.0	0.0	0.0	0.0	0.0
389	0.0	0.0	0.0	0.0	0.0	0.0	0.0
390	0.0	0.0	0.0	0.0	0.0	0.0	0.0
391	0.0	0.0	0.0	0.0	0.0	0.0	0.0
392	0.0	0.0	0.0	0.0	0.0	0.0	0.0
393	0.0	0.0	0.0	0.0	0.0	0.0	0.0
394	0.0	0.0	0.0	0.0	0.0	0.0	0.0
395	0.0	0.0	0.0	0.0	0.0	0.0	0.0
396	0.0	0.0	0.0	0.0	0.0	0.0	0.0
397	0.0	0.0	0.0	0.0	0.0	0.0	0.0
398	0.0	0.0	0.0	0.0	0.0	0.0	0.0
399	0.0	0.0	0.0	0.0	0.0	0.0	0.0
400	0.0	0.0	0.0	0.0	0.0	0.0	0.0
401	0.0	0.0	0.0	0.0	0.0	0.0	0.0
402	0.0	0.0	0.0	0.0	0.0	0.0	0.0
403	0.0	0.0	0.0	0.0	0.0	0.0	0.0
404	0.0	0.0	0.0	0.0	0.0	0.0	0.0
405	0.0	0.0	0.0	0.0	0.0	0.0	0.0
406	0.0	0.0	0.0	0.0	0.0	0.0	0.0

407				0.0	0.0	0.0	0.0	0.0	0.0	0.0
408				0.0	0.0	0.0	0.0	0.0	0.0	0.0
409				0.0	0.0	0.0	0.0	0.0	0.0	0.0
410				0.0	0.0	0.0	0.0	0.0	0.0	0.0
411				0.0	0.0	0.0	0.0	0.0	0.0	0.0
412				0.0	0.0	0.0	0.0	0.0	0.0	0.0
413				0.0	0.0	0.0	0.0	0.0	0.0	0.0
414				0.0	0.0	0.0	0.0	0.0	0.0	0.0
415				0.0	0.0	0.0	0.0	0.0	0.0	0.0
416				0.0	0.0	0.0	0.0	0.0	0.0	0.0
417				0.0	0.0	0.0	0.0	0.0	0.0	0.0
418				0.0	0.0	0.0	0.0	0.0	0.0	0.0
419				0.0	0.0	0.0	0.0	0.0	0.0	0.0
420				0.0	0.0	0.0	0.0	0.0	0.0	0.0
421				0.0	0.0	0.0	0.0	0.0	0.0	0.0
422				0.0	0.0	0.0	0.0	0.0	0.0	0.0
423				0.0	0.0	0.0	0.0	0.0	0.0	0.0
424				0.0	0.0	0.0	0.0	0.0	0.0	0.0
425				0.0	0.0	0.0	0.0	0.0	0.0	0.0
426				0.0	0.0	0.0	0.0	0.0	0.0	0.0
427				0.0	0.0	0.0	0.0	0.0	0.0	0.0
428				0.0	0.0	0.0	0.0	0.0	0.0	0.0
429				0.0	0.0	0.0	0.0	0.0	0.0	0.0
430				0.0	0.0	0.0	0.0	0.0	0.0	0.0
431				0.0	0.0	0.0	0.0	0.0	0.0	0.0
432				0.0	0.0	0.0	0.0	0.0	0.0	0.0
433				0.0	0.0	0.0	0.0	0.0	0.0	0.0
434				0.0	0.0	0.0	0.0	0.0	0.0	0.0
435				0.0	0.0	0.0	0.0	0.0	0.0	0.0
436				0.0	0.0	0.0	0.0	0.0	0.0	0.0
437				0.0	0.0	0.0	0.0	0.0	0.0	0.0
438				0.0	0.0	0.0	0.0	0.0	0.0	0.0
439				0.0	0.0	0.0	0.0	0.0	0.0	0.0
440				0.0	0.0	0.0	0.0	0.0	0.0	0.0
441				0.0	0.0	0.0	0.0	0.0	0.0	0.0
442				0.0	0.0	0.0	0.0	0.0	0.0	0.0
443				0.0	0.0	0.0	0.0	0.0	0.0	0.0
444				0.0	0.0	0.0	0.0	0.0	0.0	0.0
445				0.0	0.0	0.0	0.0	0.0	0.0	0.0
446				0.0	0.0	0.0	0.0	0.0	0.0	0.0
447				0.0	0.0	0.0	0.0	0.0	0.0	0.0
448				0.0	0.0	0.0	0.0	0.0	0.0	0.0
449				0.0	0.0	0.0	0.0	0.0	0.0	0.0
450				0.0	0.0	0.0	0.0	0.0	0.0	0.0
451				0.0	0.0	0.0	0.0	0.0	0.0	0.0
452				0.0	0.0	0.0	0.0	0.0	0.0	0.0

Trave	v.Omeg	V N/M	V stab	V.7.5.3	M Ed	V.7.5.4	N Ed	V.7.5.5	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

Fig. 12


PROGETTO
Verif. 4.2.4.1.2 N/M
0.75
0.70
0.65
0.60
0.55
0.50
0.45
0.40
0.35
0.30
0.25
0.20
0.15
0.10
5.397e-02
4.173e-03
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Pensilina fotovoltaica
Fig. 13

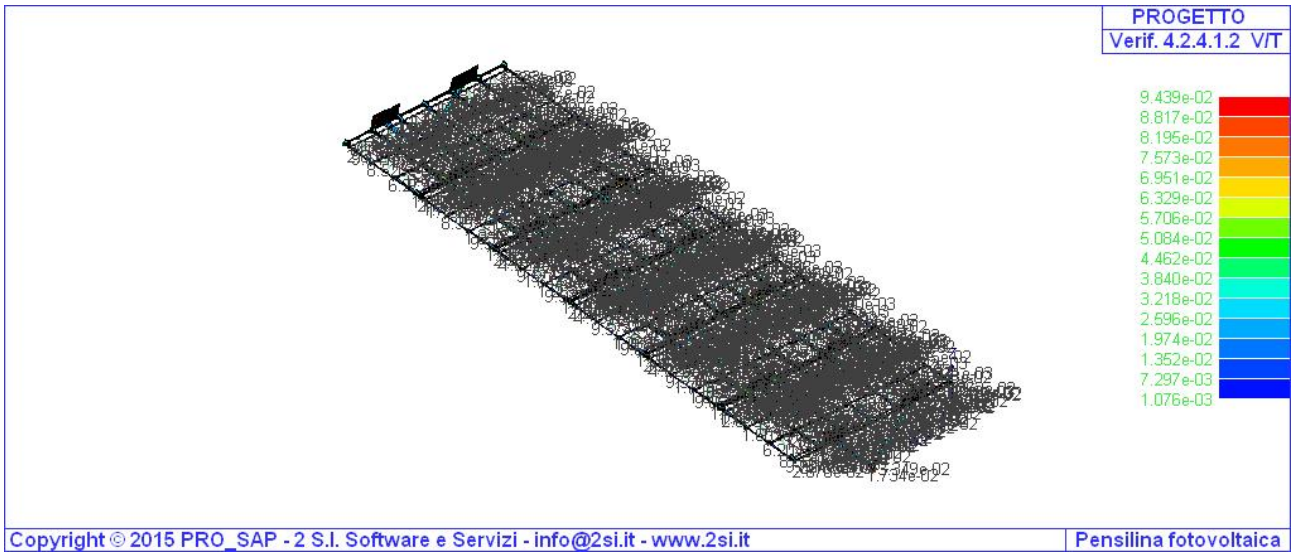
PROGETTO
Verif. 4.2.4.1.2 V/T
9.439e-02
8.817e-02
8.195e-02
7.573e-02
6.951e-02
6.329e-02
5.706e-02
5.084e-02
4.462e-02
3.840e-02
3.218e-02
2.596e-02
1.974e-02
1.352e-02
7.297e-03
1.076e-03
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Fig. 14

Verifica Piastra di Base

Coefficienti di sicurezza utilizzati

γ_{M0} = 1,05

γ_{M1} = 1,10

γ_{M2} = 1,25

Trave 3

Tipo di profilo: HEA 160

Materiale: Acciaio S235 f_y = 235 N/mm^2 f_t = 360 N/mm^2 γ_{Rd} = 1.2

Classe sezione: 1

Flangia:

Materiale: Acciaio S235 f_y = 235 N/mm^2 f_t = 360 N/mm^2 γ_{Rd} = 1.2

Dimensioni (B x H x Sp): 243,6 x 259,6 x 25,0 mm

Bullonature:

Viti cl. 8.8 Dadi 8 (f_{yb} = 649 N/mm^2, f_{tb} = 800 N/mm^2)

Diametro Ø = 18 mm A_{res} = 190,9 mm^2 (ridotta per filettatura)

Diametro foro $Ø_0$ = 19 mm

Saldature:

Materiale: Acciaio S235 f_y = 235 N/mm^2 f_t = 360 N/mm^2 β_1 = 0.85 β_2 = 1.00

Spessore cordoni d'angolo s_c = 10 mm

Sollecitazioni:

Nodo.CMB	V2 [N]	V3 [N]	N [N]	M2 [N mm]	M3 [N mm]	T [N mm]
5.1	4064,9	-74,3	-326,9	291256,0	-11850000,0	600,0
5.2	4065,8	77,9	-324,7	-301653,0	-11850000,0	-637,0
5.3	2588,6	-71,2	-26068,9	290226,0	-9835000,0	640,0
5.4	2589,5	81,0	-26066,8	-302683,0	-9837000,0	-596,0
5.5	4246,2	-74,7	4530,2	291420,0	-12220000,0	594,0
5.6	4247,1	77,5	4532,3	-301490,0	-12220000,0	-643,0
5.7	2769,9	-71,7	-21211,8	290390,0	-10200000,0	635,0
5.8	2770,8	80,6	-21209,7	-302520,0	-10200000,0	-602,0
5.9	4064,6	-125,0	-327,6	488893,0	-11850000,0	1012,0
5.10	4066,1	128,7	-324,0	-499290,0	-11860000,0	-1049,0
5.11	3326,5	-123,5	-13198,6	488378,0	-10840000,0	1032,0
5.12	3328,0	130,2	-13195,0	-499805,0	-10850000,0	-1029,0
5.13	4245,9	-125,5	4529,5	489056,0	-12220000,0	1006,0
5.14	4247,4	128,2	4533,0	-499126,0	-12220000,0	-1055,0
5.15	3507,7	-123,9	-8341,5	488541,0	-11210000,0	1026,0
5.16	3509,2	129,8	-8338,0	-499641,0	-11210000,0	-1035,0
5.17	7298,9	-74,3	13487,4	288263,0	-20810000,0	570,0
5.18	7299,8	77,9	13489,6	-304647,0	-20810000,0	-667,0
5.19	6560,7	-72,8	616,4	287748,0	-19800000,0	591,0
5.20	6561,6	79,4	618,6	-305162,0	-19800000,0	-646,0
5.21	7480,1	-74,8	18344,5	288426,0	-21170000,0	564,0
5.22	7481,0	77,5	18346,6	-304483,0	-21180000,0	-672,0
5.23	6742,0	-73,2	5473,5	287911,0	-20170000,0	585,0
5.24	6742,9	79,0	5475,6	-304998,0	-20170000,0	-652,0
5.25	-907,0	1273,2	-16857,1	-4941000,0	2284000,0	-11447,0
5.26	182,0	1136,3	-15579,0	-4403000,0	-1452000,0	-12301,0
5.27	-1390,4	-1133,4	-16801,4	4402000,0	3887000,0	12340,0
5.28	-301,5	-1270,3	-15523,3	4940000,0	151058,0	11486,0
5.29	-775,6	1135,8	-16768,2	-4402000,0	1850000,0	-12304,0
5.30	50,6	1273,6	-15667,9	-4943000,0	-1019000,0	-11445,0
5.31	-1259,1	-1270,7	-16712,5	4941000,0	3454000,0	11484,0
5.32	-432,8	-1132,9	-15612,2	4401000,0	584806,0	12343,0

5.33	-907,0	1273,2	-16857,1	-4941000,0	2284000,0	-11447,0
5.34	182,0	1136,3	-15579,0	-4403000,0	-1452000,0	-12301,0
5.35	-1390,4	-1133,4	-16801,4	4402000,0	3887000,0	12340,0
5.36	-301,5	-1270,3	-15523,3	4940000,0	151058,0	11486,0
5.37	-775,6	1135,8	-16768,2	-4402000,0	1850000,0	-12304,0
5.38	50,6	1273,6	-15667,9	-4943000,0	-1019000,0	-11445,0
5.39	-1259,1	-1270,7	-16712,5	4941000,0	3454000,0	11484,0
5.40	-432,8	-1132,9	-15612,2	4401000,0	584806,0	12343,0
5.41	-2346,6	590,6	-18328,8	-2299000,0	7204000,0	-2125,0
5.42	1283,1	134,3	-14068,3	-505311,0	-5250000,0	-4972,0
5.43	-2491,6	-131,4	-18312,1	504222,0	7685000,0	5011,0
5.44	1138,1	-587,7	-14051,6	2298000,0	-4769000,0	2164,0
5.45	-2346,6	590,6	-18328,8	-2299000,0	7204000,0	-2125,0
5.46	1283,1	134,3	-14068,3	-505311,0	-5250000,0	-4972,0
5.47	-2491,6	-131,4	-18312,1	504222,0	7685000,0	5011,0
5.48	1138,1	-587,7	-14051,6	2298000,0	-4769000,0	2164,0
5.49	-1908,9	132,8	-18032,3	-500609,0	5758000,0	-4980,0
5.50	845,4	592,1	-14364,9	-2303000,0	-3805000,0	-2117,0
5.51	-2053,9	-589,2	-18015,6	2302000,0	6239000,0	2156,0
5.52	700,4	-129,9	-14348,1	499520,0	-3323000,0	5019,0
5.53	-1908,9	132,8	-18032,3	-500609,0	5758000,0	-4980,0
5.54	845,4	592,1	-14364,9	-2303000,0	-3805000,0	-2117,0
5.55	-2053,9	-589,2	-18015,6	2302000,0	6239000,0	2156,0
5.56	700,4	-129,9	-14348,1	499520,0	-3323000,0	5019,0

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 $B_{pf,Rd} = 0,6 \cdot \pi \cdot d_m \cdot t_f \cdot f_{tk} / \gamma_{M2} =$ 366435.4 N

Bull.	$F_{f,Rd}$ [N]	$F_{t,Rd}$ [N]
1	87252.8	87252.8
2	87252.8	87252.8
3	87252.8	87252.8
4	87252.8	87252.8

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 $F_{vb,Rd} = 0,6 \cdot f_{tb} \cdot A_{res} / \gamma_{M2} =$ 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	86054.4	73287.1	86054.4	73287.1
2	86054.4	73287.1	86054.4	73287.1
3	86054.4	73287.1	86054.4	73287.1
4	86054.4	73287.1	86054.4	73287.1

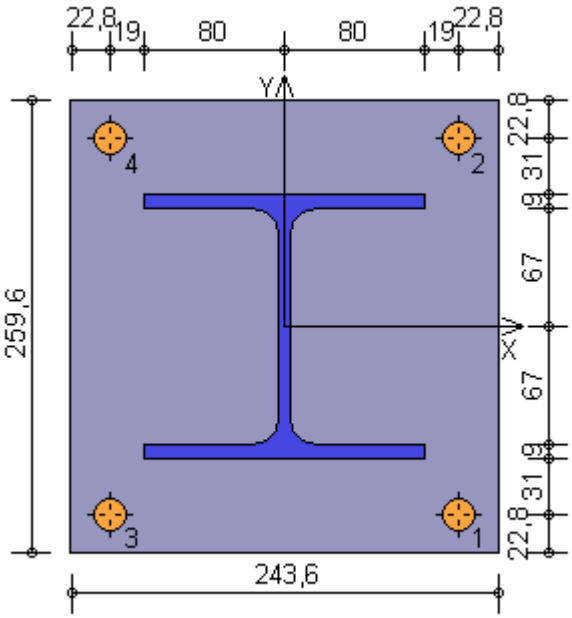
Legenda

$F_{bf,x,Rd} = k \cdot \alpha \cdot f_{tk} \cdot \varnothing \cdot t_f / \gamma_{M2}$ 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. 5, CMB n. 22)

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	99.00	-107.00	1871.1	73287.1	0.0	87252.8	0.025531	Ok
2	99.00	107.00	1871.1	73287.1	54311.9	87252.8	0.470150	Ok
3	-99.00	-107.00	1869.6	73287.1	0.0	87252.8	0.025510	Ok
4	-99.00	107.00	1869.6	73287.1	55476.2	87252.8	0.479660	Ok

2-Trazione (Nodo n. 5, CMB n. 22)

Bull.	X [mm]	Y [mm]	$F_{t,Ed}$ [N]	$F_{t,Rd}$ [N]	FV_2	VER
1	99.00	-107.00	0.0	87252.8	0.000000	Ok
2	99.00	107.00	54311.9	87252.8	0.622466	Ok
3	-99.00	-107.00	0.0	87252.8	0.000000	Ok
4	-99.00	107.00	55476.2	87252.8	0.635810	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
$FV_1 = F_{v,Ed} / F_{v,Rd} + F_{t,Ed} / (1.4 \bullet F_{t,Rd})$
$FV_2 = F_{t,Ed} / F_{t,Rd}$
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/mm^2.

Verifica formula (4.2.78) (Nodo n. 5, CMB n. 22)

Cordoni	$n_\perp$	$t_\perp$	$\tau_\parallel$	FV_1	VER_1
Ala inferiore esterno	-73.34	0.02	0.00	73.34	Ok
Ala inferiore interno lato destro	-58.36	0.02	0.00	58.36	Ok
Ala inferiore interno lato sinistro	-55.25	0.02	0.00	55.25	Ok
Anima lato destro	51.82	5.09	0.00	52.07	Ok
Anima lato sinistro	51.82	5.09	0.00	52.07	Ok
Ala superiore interno lato destro	61.94	0.02	0.00	61.94	Ok
Ala superiore interno lato sinistro	65.05	0.02	0.00	65.05	Ok
Ala superiore esterno	80.03	0.02	0.00	80.03	Ok

Verifica formula (4.2.79) (Nodo n. 5, CMB n. 22)

Cordoni	$n_\perp$	$t_\perp$	$\tau_\parallel$	FV_2	VER_2

Ala inferiore esterno	-73.34	0.02	0.00	73.36	Ok
Ala inferiore interno lato destro	-58.36	0.02	0.00	58.38	Ok
Ala inferiore interno lato sinistro	-55.25	0.02	0.00	55.27	Ok
Anima lato destro	51.82	5.09	0.00	56.91	Ok
Anima lato sinistro	51.82	5.09	0.00	56.91	Ok
Ala superiore interno lato destro	61.94	0.02	0.00	61.96	Ok
Ala superiore interno lato sinistro	65.05	0.02	0.00	65.06	Ok
Ala superiore esterno	80.03	0.02	0.00	80.05	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

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

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

$VER_i \rightarrow FV_i \leq \beta_i \cdot f_{yk}$ ($\beta_1 \cdot f_{yk} = 199.75$ N/mm^2 $\beta_2 \cdot f_{yk} = 235.00$ N/mm^2)

Verifiche a flessione piastra in zona compressa

Sezione parallela a X a filo della trave (Nodo n. 5, CMB n. 22)

Pressione media a bordo piastra $p_{med} = 9,71$ N/mm^2

Carico lineare sbalzo $q_{lin} = 2364,14$ N/mm

Lunghezza sbalzo $L_s = 53,8$ mm

Modulo di resistenza minimo $W_{min} = 25375,0$ mm^3

Momento resistente $M_{p,Rd} =$ 5679167,0 N mm

Momento massimo $M_{p,Ed} =$ 3421434,0 N mm

$M_{p,Ed} / M_{p,Rd} = 0,602454$ Ok

Sezione parallela a Y a filo della trave (Nodo n. 5, CMB n. 22)

Pressione media a bordo piastra $p_{med} = 4,98$ N/mm^2

Carico lineare sbalzo $q_{lin} = 1292,19$ N/mm

Lunghezza sbalzo $L_s = 41,8$ mm

Modulo di resistenza minimo $W_{min} = 27041,7$ mm^3

Momento resistente $M_{p,Rd} =$ 6052183,0 N mm

Momento massimo $M_{p,Ed} =$ 1128879,0 N mm

$M_{p,Ed} / M_{p,Rd} = 0,186524$ Ok

Verifica del momento di progetto del giunto (Nodo n. 5, CMB n. 22)

Momento resistente del giunto $M_{j,Rd} =$ 34378190,0 N mm

Momento di progetto $M_{j,Ed} =$ 21180000,0 N mm

$M_{j,Ed} / M_{j,Rd} = 0,616088$ Ok

Ancoraggio

Tirafondi ad aderenza

Lunghezza tirafondi $L_t =$ 600 mm

Calcestruzzo

Resistenza cubica caratteristica a compressione	$R_{ck} =$	40.00 N/mm^2
Resistenza cilindrica caratteristica a compressione	$f_{ck} = 0,83 \cdot R_{ck} =$	33.20 N/mm^2
Resistenza di calcolo a compressione	$f_{cd} = \alpha_{cc} \cdot f_{ck} / \gamma_C =$	18.81 N/mm^2
Resistenza caratteristica a trazione	$f_{ctk} = 0,7 \cdot 0,30 \cdot f_{ck2/3} =$	2.17 N/mm^2
Resistenza tangenziale di aderenza di calcolo	$f_{bd} = 2.25 \cdot \eta \cdot f_{ctk} / \gamma_C =$	3.25 N/mm^2

Compressione massima calcestruzzo (Nodo n. 5, CMB n. 22)

$p_{max} = 9.96$ N/mm^2 < f_{cd} Ok

Verifica ancoraggio

Si considera la massima resistenza a trazione di progetto dei tirafondi

Trazione di progetto dell'ancoraggio $F_{t,an,Ed} = \max [F_{t,Rd}] =$ 87252.8 N

Resistenza a trazione per aderenza $F_{t,ad,Rd} = L_t \cdot \pi \cdot Ø \cdot f_{bd} =$ 110401.8 N

$F_{t,ad,Rd} > F_{t,an,Ed}$ Ok

VERIFICHE PLINTO DI FONDAZIONE

MATERIALI

Acciaio: B450C

E = 2060000 daN/cmq, Fyk = 4500 daN/cmq, fsd = 3913 daN/cmq

Calcestruzzo: C32/40

Rck = 400 daN/cmq

Sollecitazioni alla base del pilastro

Cmb.	Plin.	Tipo	Vx	Vy	N	Mx	My	T
			(daN)	(daN)	(daN)	(daN cm)	(daN cm)	(daN cm)
1	6	SLU STR.	-22,8	-596,3	-371,1	195700,0	-7009,0	-2095,5
2	6	SLU STR.	22,8	-596,4	-367,8	195700,0	6958,3	2362,9
3	6	SLU STR.	-25,0	-568,0	-5258,6	195500,0	-7014,5	-2028,1
4	6	SLU STR.	20,6	-568,2	-5255,4	195500,0	6952,7	2430,2
5	6	SLU STR.	-22,5	-600,3	541,0	197100,0	-7008,2	-2105,0
6	6	SLU STR.	23,2	-600,5	544,2	197100,0	6959,0	2353,3
7	6	SLU STR.	-24,7	-572,1	-4346,6	196900,0	-7013,8	-2037,7
8	6	SLU STR.	20,9	-572,2	-4343,4	196900,0	6953,5	2420,7
9	6	SLU STR.	-38,0	-596,2	-372,1	195700,0	-11660,0	-3581,6
10	6	SLU STR.	38,1	-596,5	-366,8	195700,0	11610,0	3849,0
11	6	SLU STR.	-39,1	-582,1	-2815,9	195600,0	-11670,0	-3547,9
12	6	SLU STR.	37,0	-582,4	-2810,5	195600,0	11610,0	3882,6
13	6	SLU STR.	-37,7	-600,2	539,9	197100,0	-11660,0	-3591,1
14	6	SLU STR.	38,4	-600,5	545,3	197100,0	11610,0	3839,4
15	6	SLU STR.	-38,8	-586,1	-1903,9	197000,0	-11670,0	-3557,5
16	6	SLU STR.	37,3	-586,4	-1898,5	197000,0	11610,0	3873,1
17	6	SLU STR.	-21,9	-1005,5	2017,4	330100,0	-7023,7	-2033,9
18	6	SLU STR.	23,7	-1005,6	2020,6	330100,0	6943,5	2424,4
19	6	SLU STR.	-23,0	-991,3	-426,4	330000,0	-7026,5	-2000,3
20	6	SLU STR.	22,6	-991,5	-423,2	330000,0	6940,8	2458,1
21	6	SLU STR.	-21,6	-1009,5	2929,4	331500,0	-7023,0	-2043,5
22	6	SLU STR.	24,1	-1009,7	2932,7	331500,0	6944,3	2414,9
23	6	SLU STR.	-22,7	-995,4	485,6	331400,0	-7025,7	-2009,8
24	6	SLU STR.	23,0	-995,5	488,9	331400,0	6941,5	2448,5
25	6	SLU A1 sism.	189,7	34,9	-3036,5	-8261,1	59880,0	15060,0
26	6	SLU A1 sism.	204,9	-94,8	-3028,5	52790,0	64300,0	10910,0
27	6	SLU A1 sism.	-206,9	121,6	-3051,7	-61910,0	-64310,0	-10850,0
28	6	SLU A1 sism.	-191,7	-8,1	-3043,7	-860,3	-59890,0	-14990,0
29	6	SLU A1 sism.	204,9	9,0	-3035,2	4955,6	64310,0	10890,0
30	6	SLU A1 sism.	189,6	-68,8	-3029,9	39570,0	59870,0	15080,0
31	6	SLU A1 sism.	-191,7	95,6	-3050,3	-48690,0	-59880,0	-15010,0
32	6	SLU A1 sism.	-206,9	17,9	-3045,0	-14080,0	-64320,0	-10830,0
33	6	SLU A1 sism.	189,7	34,9	-3036,5	-8261,1	59880,0	15060,0
34	6	SLU A1 sism.	204,9	-94,8	-3028,5	52790,0	64300,0	10910,0
35	6	SLU A1 sism.	-206,9	121,6	-3051,7	-61910,0	-64310,0	-10850,0
36	6	SLU A1 sism.	-191,7	-8,1	-3043,7	-860,3	-59890,0	-14990,0
37	6	SLU A1 sism.	204,9	9,0	-3035,2	4955,6	64310,0	10890,0
38	6	SLU A1 sism.	189,6	-68,8	-3029,9	39570,0	59870,0	15080,0
39	6	SLU A1 sism.	-191,7	95,6	-3050,3	-48690,0	-59880,0	-15010,0
40	6	SLU A1 sism.	-206,9	17,9	-3045,0	-14080,0	-64320,0	-10830,0
41	6	SLU A1 sism.	33,1	216,5	-3051,1	-98260,0	11260,0	10820,0
42	6	SLU A1 sism.	83,8	-215,7	-3024,5	105200,0	25990,0	-2986,0
43	6	SLU A1 sism.	-85,9	242,5	-3055,7	-114400,0	-26000,0	3049,7
44	6	SLU A1 sism.	-35,2	-189,7	-3029,1	89140,0	-11270,0	-10760,0
45	6	SLU A1 sism.	33,1	216,5	-3051,1	-98260,0	11260,0	10820,0
46	6	SLU A1 sism.	83,8	-215,7	-3024,5	105200,0	25990,0	-2986,0
47	6	SLU A1 sism.	-85,9	242,5	-3055,7	-114400,0	-26000,0	3049,7
48	6	SLU A1 sism.	-35,2	-189,7	-3029,1	89140,0	-11270,0	-10760,0
49	6	SLU A1 sism.	83,8	129,9	-3046,6	-54210,0	26030,0	-3055,6
50	6	SLU A1 sism.	33,1	-129,1	-3029,0	61180,0	11230,0	10890,0
51	6	SLU A1 sism.	-35,1	155,9	-3051,2	-70300,0	-11230,0	-10830,0
52	6	SLU A1 sism.	-85,9	-103,1	-3033,6	45080,0	-26030,0	3119,2
53	6	SLU A1 sism.	83,8	129,9	-3046,6	-54210,0	26030,0	-3055,6
54	6	SLU A1 sism.	33,1	-129,1	-3029,0	61180,0	11230,0	10890,0
55	6	SLU A1 sism.	-35,1	155,9	-3051,2	-70300,0	-11230,0	-10830,0
56	6	SLU A1 sism.	-85,9	-103,1	-3033,6	45080,0	-26030,0	3119,2

90	6	SLE Rare	-15,3	-395,7	-652,7	129900,0	-4673,0	-1392,7
91	6	SLE Rare	15,1	-395,8	-650,6	129900,0	4638,5	1579,5
92	6	SLE Rare	-16,8	-376,9	-3911,1	129700,0	-4676,7	-1347,8
93	6	SLE Rare	13,6	-377,0	-3909,0	129700,0	4634,8	1624,4
94	6	SLE Rare	-25,5	-395,7	-653,4	129900,0	-7776,8	-2383,5
95	6	SLE Rare	25,2	-395,9	-649,8	129900,0	7742,3	2570,2
96	6	SLE Rare	-26,2	-386,3	-2282,6	129800,0	-7778,7	-2361,0
97	6	SLE Rare	24,5	-386,5	-2279,0	129800,0	7740,5	2592,7
98	6	SLE Rare	-14,7	-668,5	939,6	219500,0	-4682,8	-1351,7
99	6	SLE Rare	15,7	-668,6	941,7	219500,0	4628,7	1620,5
100	6	SLE Rare	-15,5	-659,1	-689,6	219400,0	-4684,7	-1329,3
101	6	SLE Rare	15,0	-659,2	-687,5	219400,0	4626,8	1643,0
102	6	SLE Freq.	-1,0	13,4	-3040,1	-4560,7	-2,5	31,8
103	6	SLE Freq.	-1,3	17,2	-3691,8	-4586,6	-3,3	40,8
104	6	SLE Freq.	-13,7	13,5	-3041,0	-4557,7	-3882,3	-1206,6
105	6	SLE Freq.	11,7	13,4	-3039,2	-4563,7	3877,3	1270,3
106	6	SLE Freq.	-0,7	-123,0	-2243,9	40250,0	-7,4	52,3
107	6	SLE Quasi P.	-1,0	13,4	-3040,1	-4560,7	-2,5	31,8

Punzonamento:
Non è stata eseguita la verifica a punzonamento, in quanto il perimetro critico risulta maggiore delle dimensioni della base del plinto.

VERIFICHE PALI

Diametro palo = 50,0 cm
Armatura corrente: 9 Ø 14 = 13,9 cmq
Armatura aggiuntiva da quota 0 a quota -500 + 4 Ø 14
Armatura a taglio: spirale Ø8/25

VERIFICHE VERIFICHE STATO LIMITE ULTIMO:
Ver. N/M = rapporto Sd/Su con sollecitazioni ultime proporzionali
Ver. (25)= rapporto Nd/Nu, dove Nu viene ottenuto con riduzione del 25% di fcd
Ver.V = verifica a taglio, rapporto Vrd/Vu
(Verifica positiva per valori inferiori a 1)

Cmb.	Palo	Quota	N	V	M	Ver. N/M	Ver.(25)	Ver.V	Stato
		(cm)	(daN)	(daN)	(daN cm)				
22	1	0,0	2392,6	1009,9	392165,3	0,289	0,000	0,081	Ok
3	1	0,0	-5960,6	568,6	229760,2	0,157	0,022	0,045	Ok
22	1	-16,7	2392,5	933,4	408697,9	0,301	0,000	0,075	Ok
3	1	-16,7	-5960,3	524,6	239064,3	0,163	0,022	0,042	Ok
22	1	-33,3	2392,4	843,2	424254,1	0,312	0,000	0,067	Ok
3	1	-33,3	-5960,1	472,8	247807,2	0,169	0,022	0,038	Ok
22	1	-50,0	2392,3	725,2	438307,1	0,323	0,000	0,058	Ok
3	1	-50,0	-5959,8	405,0	255686,3	0,174	0,022	0,032	Ok
22	1	-66,7	2392,2	583,1	450393,4	0,332	0,000	0,047	Ok
3	1	-66,7	-5959,6	323,3	262435,3	0,179	0,022	0,026	Ok
22	1	-83,3	2392,1	420,8	460112,4	0,339	0,000	0,034	Ok
3	1	-83,3	-5959,4	230,1	267824,3	0,183	0,022	0,018	Ok
22	1	-100,0	2392,1	242,0	467126,4	0,344	0,000	0,019	Ok
3	1	-100,0	-5959,2	127,4	271659,1	0,185	0,022	0,010	Ok
22	1	-116,7	2392,0	50,3	471159,3	0,347	0,000	0,004	Ok
3	1	-116,7	-5959,0	17,4	273781,7	0,187	0,022	0,001	Ok
22	1	-133,3	2391,9	150,7	471996,9	0,348	0,000	0,012	Ok
3	1	-133,3	-5958,8	98,1	274069,2	0,187	0,022	0,008	Ok
22	1	-150,0	2391,8	357,1	469486,1	0,346	0,000	0,029	Ok
3	1	-150,0	-5958,6	216,7	272433,8	0,186	0,022	0,017	Ok
22	1	-166,7	2391,8	565,5	463534,3	0,341	0,000	0,045	Ok
3	1	-166,7	-5958,4	336,3	268823,0	0,183	0,022	0,027	Ok
22	1	-183,3	2391,7	772,3	454109,0	0,334	0,000	0,062	Ok
3	1	-183,3	-5958,2	454,9	263218,4	0,180	0,022	0,036	Ok
22	1	-200,0	2391,6	973,9	441237,6	0,325	0,000	0,078	Ok
3	1	-200,0	-5958,1	570,6	255636,2	0,174	0,022	0,046	Ok
22	1	-216,7	2391,6	1166,7	425006,4	0,313	0,000	0,093	Ok
3	1	-216,7	-5957,9	681,2	246126,8	0,168	0,022	0,055	Ok

22	1	-233,3	2391,5	1347,4	405561,0	0,299	0,000	0,108	Ok
3	1	-233,3	-5957,8	784,7	234774,1	0,160	0,022	0,063	Ok
22	1	-250,0	2391,4	1512,3	383105,0	0,282	0,000	0,121	Ok
3	1	-250,0	-5957,6	879,1	221696,0	0,151	0,022	0,070	Ok
22	1	-266,7	2391,4	1658,0	357900,6	0,264	0,000	0,133	Ok
3	1	-266,7	-5957,5	962,5	207043,6	0,141	0,022	0,077	Ok
22	1	-283,3	2391,3	1781,1	330267,5	0,243	0,000	0,143	Ok
3	1	-283,3	-5957,3	1032,9	191001,4	0,130	0,022	0,083	Ok
22	1	-300,0	2391,3	1878,0	300583,2	0,221	0,000	0,150	Ok
3	1	-300,0	-5957,2	1088,1	173787,1	0,119	0,022	0,087	Ok
22	1	-316,7	2391,2	1945,5	269282,7	0,198	0,000	0,156	Ok
3	1	-316,7	-5957,1	1126,4	155651,3	0,106	0,022	0,090	Ok
22	1	-333,3	2391,2	1980,0	236858,1	0,174	0,000	0,158	Ok
3	1	-333,3	-5957,0	1145,7	136877,6	0,093	0,022	0,092	Ok
22	1	-350,0	2391,2	1978,0	203858,9	0,150	0,000	0,158	Ok
3	1	-350,0	-5956,9	1144,0	117782,7	0,080	0,022	0,092	Ok
22	1	-366,7	2391,1	1936,3	170891,5	0,126	0,000	0,155	Ok
3	1	-366,7	-5956,8	1119,4	98715,8	0,067	0,022	0,090	Ok
22	1	-383,3	2391,1	1851,3	138619,8	0,102	0,000	0,148	Ok
3	1	-383,3	-5956,8	1069,9	80059,3	0,055	0,022	0,086	Ok
22	1	-400,0	2391,1	1719,6	107764,8	0,079	0,000	0,138	Ok
3	1	-400,0	-5956,7	993,4	62228,4	0,042	0,022	0,079	Ok
22	1	-416,7	2391,0	1537,8	79104,7	0,058	0,000	0,123	Ok
3	1	-416,7	-5956,6	888,1	45671,4	0,031	0,022	0,071	Ok
22	1	-433,3	2391,0	1302,3	53475,3	0,039	0,000	0,104	Ok
3	1	-433,3	-5956,6	751,9	30869,5	0,021	0,022	0,060	Ok
22	1	-450,0	2391,0	1009,8	31770,1	0,023	0,000	0,081	Ok
3	1	-450,0	-5956,6	582,9	18337,1	0,013	0,022	0,047	Ok
22	1	-466,7	2391,0	656,7	14940,1	0,011	0,000	0,053	Ok
3	1	-466,7	-5956,5	379,0	8621,9	0,006	0,022	0,030	Ok
22	1	-483,3	2391,0	239,7	3994,3	0,003	0,000	0,019	Ok
3	1	-483,3	-5956,5	138,3	2304,7	0,002	0,022	0,011	Ok
17	1	-500,0	1314,5	238,7	0,0	0,000	0,000	0,019	Ok
3	1	-500,0	-5956,5	138,3	0,0	0,000	0,024	0,011	Ok

Sezioni maggiormente sollecitate:

Pl.	Cmb.	Palo	Quota	N	V	M	Ver. N/M	Ver.(25)	Ver.V
			(cm)	(daN)	(daN)	(daN cm)			
6	22	1	-133,3	2391,9	150,7	471996,9	0,348	0,000	0,012
6	3	1	-500,0	-5956,5	138,3	0,0	0,000	0,024	0,011

S/Su massime:
Ver. N/M = 0,348 < 1 Ok
Ver. (25) = 0,024 < 1 Ok
Ver. V = 0,158 < 1 Ok

VERIFICHE STATO LIMITE DI ESERCIZIO:

Combinazioni di tipo: **SLE condizioni rare.**

Cmb.	Palo	Quota	N	M	Ten.SLE C	Ten.SLE A	Stato
		(cm)	(daN)	(daN cm)	(daN/cmq)	(daN/cmq)	
99	1	0,0	401,7	259655,1	-34,6	1035,8	Ok
99	1	-16,7	401,7	270603,5	-36,0	1078,5	Ok
99	1	-33,3	401,7	280905,5	-37,4	1118,7	Ok
99	1	-50,0	401,7	290212,1	-38,6	1154,9	Ok
99	1	-66,7	401,7	298216,4	-39,7	1186,1	Ok
99	1	-83,3	401,7	304653,1	-40,5	1211,2	Ok
99	1	-100,0	401,6	309298,6	-41,2	1229,3	Ok
99	1	-116,7	401,6	311970,2	-41,5	1239,8	Ok
99	1	-133,3	401,6	312525,9	-41,6	1241,9	Ok
99	1	-150,0	401,6	310864,4	-41,4	1235,5	Ok
99	1	-166,7	401,6	306924,4	-40,8	1220,1	Ok
99	1	-183,3	401,6	300684,3	-40,0	1195,8	Ok
99	1	-200,0	401,6	292162,3	-38,9	1162,5	Ok
99	1	-216,7	401,6	281415,5	-37,4	1120,6	Ok
99	1	-233,3	401,5	268540,4	-35,7	1070,4	Ok
99	1	-250,0	401,5	253671,7	-33,8	1012,5	Ok

99	1	-266,7	401,5	236983,0	-31,5	947,4	Ok
99	1	-283,3	401,5	218686,2	-29,1	876,1	Ok
99	1	-300,0	401,5	199031,1	-26,5	799,4	Ok
99	1	-316,7	401,5	178305,6	-23,7	718,6	Ok
99	1	-333,3	401,5	156835,9	-20,9	634,9	Ok
99	1	-350,0	401,5	134985,5	-18,0	549,7	Ok
99	1	-366,7	401,5	113156,2	-15,1	464,7	Ok
99	1	-383,3	401,5	91787,5	-12,2	381,4	Ok
99	1	-400,0	401,5	71356,8	-9,5	301,7	Ok
99	1	-416,7	401,5	52379,5	-7,0	227,8	Ok
99	1	-433,3	401,5	35408,9	-4,7	161,7	Ok
92	1	-450,0	-4448,1	12167,6	-2,8	-39,2	Ok
99	1	-450,0	401,5	21036,7	-2,8	105,8	Ok
101	1	-450,0	-1226,6	20892,5	-2,5	-29,0	Ok
92	1	-466,7	-4448,0	5721,0	-2,4	-34,1	Ok
99	1	-466,7	401,5	9892,6	-1,3	62,7	Ok
101	1	-466,7	-1226,6	9824,4	-1,2	-16,1	Ok
92	1	-483,3	-4448,0	1529,3	-2,1	-30,8	Ok
99	1	-483,3	401,5	2644,9	0,0	33,7	Ok
101	1	-483,3	-1226,6	2626,5	-0,7	-10,2	Ok
92	1	-500,0	-4448,0	0,0	-2,0	-29,5	Ok

Sezioni maggiormente sollecitate:

Pl.	**Cmb.**	**Palo**	**Quota**	**N**	**M**	**Ten.SLE C**	**Ten.SLE A**
			(cm)	(daN)	(daN cm)	(daN/cmq)	(daN/cmq)
6	99	1	-133,3	401,6	312525,9	-41,6	1241,9

Valori massimi:
Ten.massima CLS = 41,6 daN/cmq < Ten. lim. CLS Ok
Ten.massima acciaio = 1241,9 daN/cmq < Ten. lim. acciaio Ok

Combinazioni di tipo: **SLE condizioni frequenti.**
Fessure: Wk amm. < 0,3 mm

Cmb.	**Palo**	**Quota(cm)**	**N**	**M**	**Wk**	**Stato**
	(cm)	(daN)	(daN cm)	(mm)		
106	1	0,0	-2783,9	47626,9	0,0000	Ok
106	1	-16,7	-2783,8	49640,3	0,0000	Ok
106	1	-33,3	-2783,7	51534,9	0,0000	Ok
106	1	-50,0	-2783,6	53246,7	0,0000	Ok
106	1	-66,7	-2783,5	54719,4	0,0000	Ok
106	1	-83,3	-2783,4	55904,2	0,0000	Ok
106	1	-100,0	-2783,3	56760,0	0,0000	Ok
106	1	-116,7	-2783,2	57253,3	0,0000	Ok
106	1	-133,3	-2783,1	57357,9	0,0000	Ok
106	1	-150,0	-2783,0	57055,4	0,0000	Ok
106	1	-166,7	-2782,9	56334,4	0,0000	Ok
106	1	-183,3	-2782,8	55190,9	0,0000	Ok
106	1	-200,0	-2782,7	53628,3	0,0000	Ok
106	1	-216,7	-2782,7	51657,1	0,0000	Ok
106	1	-233,3	-2782,6	49295,0	0,0000	Ok
106	1	-250,0	-2782,5	46566,6	0,0000	Ok
106	1	-266,7	-2782,5	43504,0	0,0000	Ok
106	1	-283,3	-2782,4	40145,9	0,0000	Ok
106	1	-300,0	-2782,3	36538,3	0,0000	Ok
106	1	-316,7	-2782,3	32734,1	0,0000	Ok
106	1	-333,3	-2782,2	28793,0	0,0000	Ok
106	1	-350,0	-2782,2	24781,9	0,0000	Ok
106	1	-366,7	-2782,2	20774,5	0,0000	Ok
106	1	-383,3	-2782,1	16851,6	0,0000	Ok
106	1	-400,0	-2782,1	13100,8	0,0000	Ok
103	1	-400,0	-4229,0	1651,2	0,0000	Ok
103	1	-416,7	-4228,9	1212,9	0,0000	Ok
103	1	-433,3	-4228,9	820,5	0,0000	Ok
103	1	-450,0	-4228,9	487,8	0,0000	Ok
103	1	-466,7	-4228,9	229,5	0,0000	Ok
103	1	-483,3	-4228,8	61,4	0,0000	Ok
103	1	-500,0	-4228,8	0,0	0,0000	Ok

Sezioni maggiormente sollecitate:

Pl.	Cmb.	Palo	Quota	N	M	Wk
			(cm)	(daN)	(daN cm)	(mm)
6	106	1	-133,3	-2783,1	57357,9	0,0000

Valori massimi:
Fessure Wk massima = 0,0 daN/cmq < Wk amm. Ok

Combinazioni di tipo: **SLE condizioni quasi permanenti.**
Tensione lim. CLS = 112,1 daN/cmq
Fessure: Wk amm. < 0,2 mm

Cmb.	Palo	Quota	N	M	Ten.SLE C	Wk	Stato
	(cm)	(daN)	(daN cm)	(daN/cmq)	(mm)		
107	1	0,0	-3580,1	5365,6	-2,0	0,0000	Ok
107	1	-16,7	-3579,9	5585,2	-2,0	0,0000	Ok
107	1	-33,3	-3579,7	5791,7	-2,0	0,0000	Ok
107	1	-50,0	-3579,6	5978,0	-2,0	0,0000	Ok
107	1	-66,7	-3579,5	6137,7	-2,0	0,0000	Ok
107	1	-83,3	-3579,3	6265,5	-2,0	0,0000	Ok
107	1	-100,0	-3579,2	6356,9	-2,0	0,0000	Ok
107	1	-116,7	-3579,1	6408,0	-2,0	0,0000	Ok
107	1	-133,3	-3579,0	6416,1	-2,0	0,0000	Ok
107	1	-150,0	-3578,9	6379,0	-2,0	0,0000	Ok
107	1	-166,7	-3578,8	6295,5	-2,0	0,0000	Ok
107	1	-183,3	-3578,6	6165,2	-2,0	0,0000	Ok
107	1	-200,0	-3578,5	5988,5	-2,0	0,0000	Ok
107	1	-216,7	-3578,5	5766,4	-2,0	0,0000	Ok
107	1	-233,3	-3578,4	5501,1	-2,0	0,0000	Ok
107	1	-250,0	-3578,3	5195,2	-1,9	0,0000	Ok
107	1	-266,7	-3578,2	4852,3	-1,9	0,0000	Ok
107	1	-283,3	-3578,1	4476,7	-1,9	0,0000	Ok
107	1	-300,0	-3578,0	4073,6	-1,9	0,0000	Ok
107	1	-316,7	-3578,0	3648,8	-1,8	0,0000	Ok
107	1	-333,3	-3577,9	3208,9	-1,8	0,0000	Ok
107	1	-350,0	-3577,9	2761,4	-1,8	0,0000	Ok
107	1	-366,7	-3577,8	2314,5	-1,7	0,0000	Ok
107	1	-383,3	-3577,8	1877,2	-1,7	0,0000	Ok
107	1	-400,0	-3577,7	1459,2	-1,7	0,0000	Ok
107	1	-416,7	-3577,7	1071,0	-1,7	0,0000	Ok
107	1	-433,3	-3577,7	723,9	-1,6	0,0000	Ok
107	1	-450,0	-3577,6	430,0	-1,6	0,0000	Ok
107	1	-466,7	-3577,6	202,2	-1,6	0,0000	Ok
107	1	-483,3	-3577,6	54,1	-1,6	0,0000	Ok
107	1	-500,0	-3577,6	0,0	-1,6	0,0000	Ok

Sezioni maggiormente sollecitate:

Pl.	Cmb.	Palo	Quota	N	M	Ten.SLE C	Wk
			(cm)	(daN)	(daN cm)	(daN/cmq)	(mm)
6	107	1	-133,3	-3579,0	6416,1	-2,0	0,00

Valori massimi:
Ten.massima CLS = 2,0 daN/cmq < Ten. lim. acciaio Ok
Fessure Wk massima = 0,0 daN/cmq < Wk amm. Ok