Finanziato dall'Unione europea NextGenerationEU

MINISTERO DELL'AMBIENTE E DELLA SICUREZZA ENERGETICA

ENTE IDRICO CAMPANO

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AVVISO M2C.1.1 I 1.1 - Linea d'Intervento C "Ammodernamento (anche con ampliamento di impianti esistenti) e realizzazione di nuovi impianti innovativi di trattamento/riciclaggio per lo smaltimento di materiali assorbenti ad uso personale (PAD), i fanghi di acque reflue, i rifiuti di pelletteria e i rifiuti tessili"

REALIZZAZIONE ESSICCATORE FANGHI DI DEPURAZIONE LOCALITÀ OMIGNANO SCALO

PFTE

ELABORATO	Tabulato di calcolo Platea scrubber	SCALA
D-R-321-H65		-

RUP
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DATA
18/10/2024
Revisione 0 - Emissione

PRO_SAP

PROfessional Structural Analysis Program

Relazione di calcolo strutturale impostata e redatta secondo le modalità previste nel D.M. 17 Gennaio 2018 cap. 10 “Redazione dei progetti strutturali esecutivi e delle relazioni di calcolo”.

Origine e Caratteristiche dei Codici di Calcolo	
Codice di calcolo:	PRO_SAP PROfessional Structural Analysis Program
Versione:	PROFESSIONAL (build 2023-06-199)
Produttore- Distributore:	2S.I. Software e Servizi per l’Ingegneria s.r.l. Via Garibaldi, 90 44121 Ferrara FE (Italy) Tel. +39 0532 200091 www.2si.it
Codice Licenza:	Licenza dsi5862

Descrizione	
Progetto	-
	-
Ubicazione	Comune di CASAL VELINO (SA) (Regione CAMPANIA)
	Località CASAL VELINO (SA)
	Longitudine 15.110, Latitudine 40.188
Progettista	-

In merito al punto 10.2 delle Norme Tecniche per le Costruzioni (*Affidabilità dei codici utilizzati*), si fa 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” disponibile per il download sul sito: https://www.2si.it/it/prodotti/affidabilita/

INTESTAZIONE E CONTENUTI DELLA RELAZIONE

PROGETTO

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

Il Progettista:

8 novembre 2023

INTESTAZIONE E CONTENUTI DELLA RELAZIONE 2
PROGETTO 2
RELAZIONE DI CALCOLO STRUTTURALE 5
PREMESSA 5
DESCRIZIONE GENERALE DELL'OPERA 5
QUADRO NORMATIVO DI RIFERIMENTO ADOTTATO 6
AZIONI DI PROGETTO SULLA COSTRUZIONE 6
MODELLO NUMERICO 7
Tipo di analisi strutturale 7
Informazioni sul codice di calcolo 7
Affidabilità dei codici utilizzati 8
MODELLAZIONE DELLE AZIONI 9
COMBINAZIONI E/O PERCORSI DI CARICO 9
VERIFICHE AGLI STATI LIMITE ULTIMI 11
VERIFICHE AGLI STATI LIMITE DI ESERCIZIO 11
NORMATIVA DI RIFERIMENTO 12
CARATTERISTICHE MATERIALI UTILIZZATI 14
LEGENDA TABELLA DATI MATERIALI 14
MODELLAZIONE DELLE SEZIONI 17
LEGENDA TABELLA DATI SEZIONI 17
MODELLAZIONE STRUTTURA: NODI 19
LEGENDA TABELLA DATI NODI 19
TABELLA DATI NODI 19
MODELLAZIONE STRUTTURA: ELEMENTI SHELL 22
LEGENDA TABELLA DATI SHELL 22
MODELLAZIONE DELLE AZIONI 29
LEGENDA TABELLA DATI AZIONI 29
SCHEMATIZZAZIONE DEI CASI DI CARICO 32
LEGENDA TABELLA CASI DI CARICO 32
DEFINIZIONE DELLE COMBINAZIONI 35
LEGENDA TABELLA COMBINAZIONI DI CARICO 35
AZIONE SISMICA 40
VALUTAZIONE DELL' AZIONE SISMICA 40
Parametri della struttura 40
RISULTATI ANALISI SISMICHE 43
LEGENDA TABELLA ANALISI SISMICHE 43

RISULTATI NODALI 54
LEGENDA RISULTATI NODALI 54
RISULTATI ELEMENTI TIPO SHELL 122
LEGENDA RISULTATI ELEMENTI TIPO SHELL 122
VERIFICHE ELEMENTI PARETE E/O GUSCIO IN C.A. 217
LEGENDA TABELLA VERIFICHE ELEMENTI PARETE E GUSCIO IN C.A. 217
PROGETTAZIONE DELLE FONDAZIONI 221
STATI LIMITE D' ESERCIZIO 230
LEGENDA TABELLA STATI LIMITE D' ESERCIZIO 230
STATO LIMITE D' ESERCIZIO: SLD DANNO SISMICO 235
LEGENDA TABELLA STATI LIMITE DI DANNO (VERIFICHE RES) 235
Simbologia adottata nelle tabelle di verifica 235

RELAZIONE DI CALCOLO STRUTTURALE

PREMESSA

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

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

DESCRIZIONE GENERALE DELL'OPERA

Descrizione generale dell'opera	
Fabbricato ad uso	
Ubicazione	Comune di CASAL VELINO (SA) (Regione CAMPANIA)
	Località CASAL VELINO (SA)
	Longitudine 15.110, Latitudine 40.188
Numero di piani	Fuori terra
	Interrati
	le dimensioni dell'opera in pianta sono racchiuse in un rettangolo di
Numero vani scale	
Numero vani ascensore	
Tipo di fondazione	

Principali caratteristiche della struttura	
Struttura regolare in pianta	
Struttura regolare in altezza	
Classe di duttilità	
Travi: ricalate o in spessore	
Pilastri	
Pilastri in falso	
Tipo di fondazione	
Condizioni per cui è necessario considerare la componente verticale del sisma	

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

III	50.0	1.5	75.0

Fattore di struttura/comportamento
1

QUADRO NORMATIVO DI RIFERIMENTO ADOTTATO

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

Nel capitolo “normativa di riferimento” è comunque presente l’elenco completo delle normative disponibili.

Progetto-verifica degli elementi	
Progetto cemento armato	D.M. 17-01-2018
Progetto acciaio	D.M. 17-01-2018
Progetto legno	D.M. 17-01-2018
Progetto muratura	D.M. 17-01-2018
Azione sismica	
Norma applicata per l’ azione sismica	D.M. 17-01-2018

AZIONI DI PROGETTO SULLA COSTRUZIONE

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

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

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

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

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 e relativi sottoparagrafi delle NTC-18, tale da garantirne la leggibilità, la corretta interpretazione e la riproducibilità

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

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

Informazioni sul codice di calcolo	
Titolo:	PRO_SAP PROfessional Structural Analysis Program
Versione:	PROFESSIONAL (build 2023-06-199)
Produttore-Distributore:	2S.I. Software e Servizi per l'Ingegneria s.r.l., Ferrara
Dati utente finale:	
Codice Utente:	
Codice Licenza:	Licenza dsi5862

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

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

Modellazione della geometria e proprietà meccaniche:	
nodi	350
elementi D2 (per aste, travi, pilastri…)	0
elementi D3 (per pareti, platee, gusci…)	328
elementi solaio	0
elementi solidi	0
Dimensione del modello strutturale [cm]:	
X min =	-135.00
Xmax =	215.00
Ymin =	-150.00
Ymax =	150.00
Zmin =	-10.00
Zmax =	494.00
Strutture verticali:	
Elementi di tipo asta	NO
Pilastri	NO
Pareti	SI
Setti (a comportamento membranale)	NO
Strutture non verticali:	
Elementi di tipo asta	NO
Travi	NO
Gusci	SI

Membrane	NO
Orizzontamenti:	
Solai con la proprietà piano rigido	NO
Solai senza la proprietà piano rigido	NO
Tipo di vincoli:	
Nodi vincolati rigidamente	NO
Nodi vincolati elasticamente	NO
Nodi con isolatori sismici	NO
Fondazioni puntuali (plinti/plinti su palo)	NO
Fondazioni di tipo trave	NO
Fondazioni di tipo platea	SI
Fondazioni con elementi solidi	NO

MODELLAZIONE DELLE AZIONI

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

COMBINAZIONI E/O PERCORSI DI CARICO

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

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

Principali risultati

I risultati devono costituire una sintesi completa ed efficace, presentata in modo da riassumere il comportamento della struttura, per ogni tipo di analisi svolta.

Nella presente relazione di calcolo sono riportati i seguenti risultati che il progettista ritiene di interesse per la descrizione e la compresione del/i modello/i e del comportamento della struttura:

per l'analisi modale:

- periodi dei modi di vibrare della struttura
- masse eccitate dai singoli modi
- massa eccitata totale

deformate e sollecitazioni:

- spostamenti e rotazioni dei singoli nodi della struttura
- reazioni vincolari (nel caso siano presenti nodi vincolati rigidamente)
- pressioni sul terreno (nel caso siano presenti elementi di fondazione)
- sollecitazioni sugli elementi d2 nelle combinazioni di calcolo più significative
- tensioni sugli elementi d3 nelle combinazioni di calcolo più significative
- sollecitazioni sui macroelementi da elementi d3 nelle combinazioni di calcolo più significative

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

per i dati in ingresso:

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

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

- configurazioni deformate
- diagrammi e 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 SLE vengono indicate, con riferimento alla normativa adottata, le modalità seguite per valutare l'affidabilità della struttura nei confronti delle possibili situazioni di perdita di funzionalità (per eccessive deformazioni, fessurazioni, vibrazioni, etc.) ed i risultati delle valutazioni svolte.

NORMATIVA DI RIFERIMENTO

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

23. UNI EN 1993-1-1:2005 01/08/2005 Eurocodice 3 - Progettazione delle strutture di acciaio - Parte 1-1: Regole generali e regole per gli edifici.
24. UNI EN 1993-1-8:2005 01/08/2005 Eurocodice 3 - Progettazione delle strutture di acciaio - Parte 1-8: Progettazione dei collegamenti.
25. UNI EN 1994-1-1:2005 01/03/2005 Eurocodice 4 - Progettazione delle strutture composte acciaio-calcestruzzo - Parte 1-1: Regole generali e regole per gli edifici.
26. UNI EN 1994-2:2006 12/01/2006 Eurocodice 4 - Progettazione delle strutture composte acciaio-calcestruzzo - Parte 2: Regole generali e regole per i ponti.
27. UNI EN 1995-1-1:2005 01/02/2005 Eurocodice 5 - Progettazione delle strutture di legno - Parte 1-1: Regole generali – Regole comuni e regole per gli edifici.
28. UNI EN 1995-2:2005 01/01/2005 Eurocodice 5 - Progettazione delle strutture di legno - Parte 2: Ponti.
29. UNI EN 1996-1-1:2006 26/01/2006 Eurocodice 6 - Progettazione delle strutture di muratura - Parte 1-1: Regole generali per strutture di muratura armata e non armata.
30. UNI EN 1996-3:2006 09/03/2006 Eurocodice 6 - Progettazione delle strutture di muratura - Parte 3: Metodi di calcolo semplificato per strutture di muratura non armata.
31. UNI EN 1997-1:2005 01/02/2005 Eurocodice 7 - Progettazione geotecnica - Parte 1: Regole generali.
32. UNI EN 1998-1:2005 01/03/2005 Eurocodice 8 - Progettazione delle strutture per la resistenza sismica - Parte 1: Regole generali, azioni sismiche e regole per gli edifici.
33. UNI EN 1998-3:2005 01/08/2005 Eurocodice 8 - Progettazione delle strutture per la resistenza sismica - Parte 3: Valutazione e adeguamento degli edifici.
34. UNI EN 1998-5:2005 01/01/2005 Eurocodice 8 - Progettazione delle strutture per la resistenza sismica - Parte 5: Fondazioni, strutture di contenimento ed aspetti geotecnici.
35. CNR DT-200/2013 - Istruzioni per la Progettazione, l'Esecuzione ed il Controllo di Interventi di Consolidamento Statico mediante l'utilizzo di Compositi Fibrorinforzat
36. CNR DT-215/2018 - Istruzioni per la Progettazione, l'Esecuzione ed il Controllo di Interventi di Consolidamento Statico mediante l'utilizzo di Compositi Fibrorinforzati a Matrice Inorganica

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

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

CARATTERISTICHE MATERIALI UTILIZZATI

LEGENDA TABELLA DATI MATERIALI

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

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

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

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

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

1	c.a.		
		Resistenza Rc	resistenza a cmpressione cubica
		Resistenza fctm	resistenza media a trazione semplice
		Coefficiente ksb	Coefficiente di riduzione della resistenza a compressione da utilizzare nello stress block
2	acciaio		

		Tensione ft	Valore della tensione di rottura
		Tensione fy	Valore della tensione di snervamento
		Resistenza fd	Resistenza di calcolo per SL CNR-UNI 10011
		Resistenza fd (>40)	Resistenza di calcolo per SL CNR-UNI 10011 per spessori > 40mm
		Tensione ammissibile	Tensione ammissibile CNR-UNI 10011
		Tensione ammissibile(>40)	Tensione ammissibile CNR-UNI 10011 per spessori > 40mm
3	muratura		
		Muratura consolidata	Muratura per la quale si prevedono interventi di rinforzo"
		Incremento resistenza	Incremento conseguito in termini di resistenza
		Incremento rigidezza	Incremento conseguito in termini di rigidezza
		Resistenza f	Valore della resistenza a compressione
		Resistenza fv0	Valore della resistenza a taglio in assenza di tensioni normali
		Resistenza fh	Valore della resistenza a compressione orizzontale
		Resistenza fb	Valore della resistenza a compressione dei blocchi
		Resistenza fbh	Valore della resistenza a compressione dei blocchi in direzione orizzontale
		Resistenza fv0h	Valore della resistenza a taglio in assenza di tensioni normali per le travi
		Resistenza ft	Valore della resistenza a trazione per fessurazione diagonale
		Resistenza fvlim	Valore della massima resistenza a taglio
		Resistenza fbt	Valore della resistenza a trazione dei blocchi
		Coefficiente mu	Coefficiente d'attrito utilizzato per la resistenza a taglio
		Coefficiente fi	Coefficiente d'ingranamento utilizzato per la resistenza a taglio
		Coefficiente ksb	Coefficiente di riduzione della resistenza a compressione da utilizzare nello stress block
4	legno		
		E0,05	Modulo di elasticità corrispondente ad un frattile del 5%
		Resistenza fc0	Valore della resistenza a compressione parallela
		Resistenza ft0	Valore della resistenza a trazione parallela
		Resistenza fm	Valore della resistenza a flessione
		Resistenza fv	Valore della resistenza a taglio
		Resist. ft0k	Resistenza caratteristica (tensione amm. per REGLES) per trazione
		Resist. fmk	Resistenza caratteristica (tensione amm. per REGLES) per flessione
		Resist. fvk	Resistenza caratteristica (tensione amm. per REGLES) per taglio
		Modulo E0,05	Modulo elastico parallelo caratteristico
		Lamellare	lamellare o massiccio

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

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

Id	Tipo / Note	V. caratt.	V. medio	Young	Poisson	G	Gamma	Alfa	Altri
		daN/cm2	daN/cm2	daN/cm2		daN/cm2	daN/cm3		
1	Calcestruzzo Classe C25/30			3.145e+05	0.20	1.310e+05	2.50e-03	1.00e-05	
	Resistenza Rc	300.0							
	Resistenza fctm		25.6						
	Rapporto Rfessurata (assiale)								1.00
	Rapporto Rfessurata (flessione)								1.00
	Rapporto Rfessurata (taglio)								1.00
	Coefficiente ksb								0.85
	Rapporto HRDb								1.00e-05
	Rapporto HRDv								1.00e-05
157	Materiale inf. rigido no peso E = 1.000e+07-materiale E = 1.000e+07			1.000e+07	0.0	5.000e+06	0.0	1.20e-05	
	Rapporto HRDb								1.00e-05
	Rapporto HRDv								1.00e-05

Gusci c.a.	1/7/..	2/8/..	3/9/..	4/10/..	5/11/..	6/12/..
Armatura						
Inclinazione Ax [gradi]	0.0	0.0				
Angolo Ax-Ay [gradi]	90.00	90.00				
Minima tesa	0.20	0.10				
Massima tesa	0.78	4.00				
Maglia unica centrale	NO	NO				
Copriferro [cm]	2.00	5.00				
Maglia x						
diametro	12	12				
passo	20	20				
diametro aggiuntivi	12	12				
Maglia y						
diametro	12	12				
passo	20	20				
diametro aggiuntivi	12	12				
Stati limite ultimi						
Tensione fy [daN/cm2]	4500.00	4500.00				
Tipo acciaio	tipo C	tipo C				
Coefficiente gamma s	1.15	1.15				
Coefficiente gamma c	1.50	1.50				
Verifiche con N costante	SI	SI				
Applica SLU da DIN	NO	NO				
Tensioni ammissibili						
Tensione amm. cls [daN/cm2]	97.50	97.50				
Tensione amm. acciaio [daN/cm2]	2600.00	2600.00				
Rapporto omogeneizzazione N	15.00	15.00				
Massimo rapporto area compressa/tesa	1.00	1.00				
Resistenza al fuoco						
3- intradosso	NO	NO				
3+ estradosso	NO	NO				
Tempo di esposizione R	15	15				

MODELLAZIONE DELLE SEZIONI

LEGENDA TABELLA DATI SEZIONI

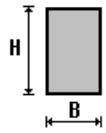
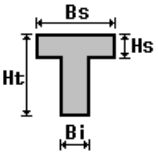
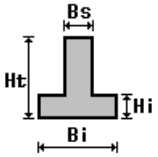
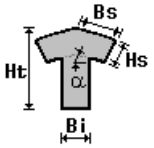
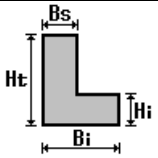
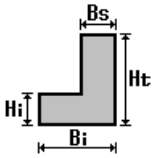
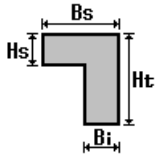
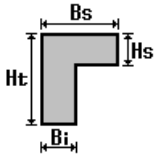
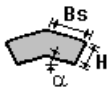
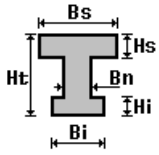
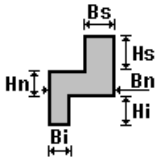
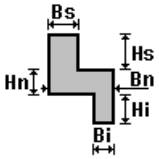
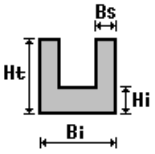
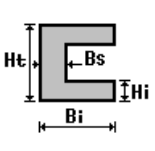
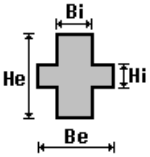
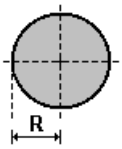
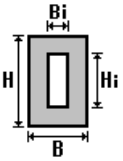
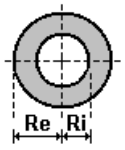
Il programma consente l'uso di sezioni diverse. Sono previsti i seguenti tipi di sezione:

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

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

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

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

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

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

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

MODELLAZIONE STRUTTURA: NODI

LEGENDA TABELLA DATI NODI

Il programma utilizza per la modellazione nodi strutturali.
Ogni nodo è individuato dalle coordinate cartesiane nel sistema di riferimento globale (X Y Z).
Ad ogni nodo è eventualmente associato un codice di vincolamento rigido, un codice di fondazione speciale, ed un set di sei molle (tre per le traslazioni, tre per le rotazioni). Le tabelle sottoriportate riflettono le succitate possibilità. In particolare per ogni nodo viene indicato in tabella:

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

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

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

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

TABELLA DATI NODI

Nodo	X	Y	Z	Nodo	X	Y	Z	Nodo	X	Y	Z
	cm	cm	cm		cm	cm	cm		cm	cm	cm
1	-85.0	-125.0	-10.0	2	-85.0	125.0	-10.0	3	40.0	-40.0	240.0
4	68.3	-28.3	240.0	5	68.3	28.3	-10.0	6	68.3	28.3	15.0
7	40.0	40.0	15.0	8	40.0	40.0	-10.0	9	11.7	28.3	15.0
10	11.7	28.3	-10.0	11	0.0	0.0	15.0	12	0.0	0.0	-10.0
13	11.7	-28.3	15.0	14	11.7	-28.3	-10.0	15	40.0	-40.0	15.0

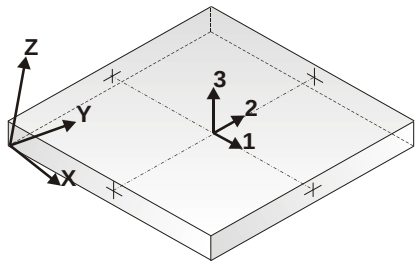
16	40.0	-40.0	-10.0	17	68.3	-28.3	15.0	18	68.3	-28.3	-10.0
19	80.0	0.0	15.0	20	80.0	0.0	-10.0	21	68.3	28.3	40.0
22	40.0	40.0	40.0	23	11.7	28.3	40.0	24	0.0	0.0	40.0
25	11.7	-28.3	40.0	26	40.0	-40.0	40.0	27	68.3	-28.3	40.0
28	80.0	0.0	40.0	29	68.3	28.3	65.0	30	40.0	40.0	65.0
31	11.7	28.3	65.0	32	0.0	0.0	65.0	33	11.7	-28.3	65.0
34	40.0	-40.0	65.0	35	68.3	-28.3	65.0	36	80.0	0.0	65.0
37	68.3	28.3	240.0	38	40.0	40.0	240.0	39	11.7	28.3	240.0
40	0.0	0.0	240.0	41	11.7	-28.3	240.0	42	110.0	-28.3	-10.0
43	110.0	0.0	-10.0	44	80.0	0.0	240.0	45	68.3	28.3	115.0
46	40.0	40.0	115.0	47	11.7	28.3	115.0	48	0.0	0.0	115.0
49	11.7	-28.3	115.0	50	40.0	-40.0	115.0	51	68.3	-28.3	115.0
52	80.0	0.0	115.0	53	68.3	28.3	140.0	54	40.0	40.0	140.0
55	11.7	28.3	140.0	56	0.0	0.0	140.0	57	11.7	-28.3	140.0
58	40.0	-40.0	140.0	59	68.3	-28.3	140.0	60	80.0	0.0	140.0
61	68.3	28.3	165.0	62	40.0	40.0	165.0	63	11.7	28.3	165.0
64	0.0	0.0	165.0	65	11.7	-28.3	165.0	66	40.0	-40.0	165.0
67	68.3	-28.3	165.0	68	80.0	0.0	165.0	69	68.3	28.3	190.0
70	40.0	40.0	190.0	71	11.7	28.3	190.0	72	0.0	0.0	190.0
73	11.7	-28.3	190.0	74	40.0	-40.0	190.0	75	68.3	-28.3	190.0
76	80.0	0.0	190.0	77	110.0	-50.0	-10.0	78	40.0	40.0	265.0
79	68.3	28.3	265.0	80	40.0	28.3	240.0	81	165.0	50.0	-10.0
82	165.0	-50.0	-10.0	83	0.0	-50.0	-10.0	84	-85.0	-50.0	-10.0
85	11.7	28.3	265.0	86	0.0	0.0	265.0	87	11.7	-28.3	265.0
88	0.0	40.0	-10.0	89	165.0	0.0	-10.0	90	-85.0	40.0	-10.0
91	68.3	40.0	-10.0	92	11.7	40.0	-10.0	93	68.3	50.0	-10.0
94	40.0	-40.0	265.0	95	68.3	-28.3	265.0	96	11.7	50.0	-10.0
97	0.0	50.0	-10.0	98	40.0	-28.3	240.0	99	80.0	0.0	265.0
100	40.0	50.0	-10.0	101	-85.0	50.0	-10.0	102	40.0	40.0	290.0
103	80.0	50.0	-10.0	104	80.0	-50.0	-10.0	105	80.0	0.0	340.0
106	40.0	3.70e-02	240.0	107	-85.0	0.0	-10.0	108	68.3	-50.0	-10.0
109	165.0	-125.0	-10.0	110	165.0	125.0	-10.0	111	68.3	28.3	290.0
112	11.7	28.3	290.0	113	0.0	0.0	290.0	114	40.0	-50.0	-10.0
115	0.0	-125.0	-10.0	116	0.0	125.0	-10.0	117	11.7	-50.0	-10.0
118	11.7	-28.3	290.0	119	40.0	-40.0	290.0	120	68.3	-28.3	290.0
121	80.0	-125.0	-10.0	122	80.0	125.0	-10.0	123	40.0	-125.0	-10.0
124	40.0	0.0	-10.0	125	40.0	125.0	-10.0	126	68.3	-125.0	-10.0
127	68.3	0.0	-10.0	128	68.3	125.0	-10.0	129	11.7	-125.0	-10.0
130	11.7	0.0	-10.0	131	11.7	125.0	-10.0	132	165.0	-40.0	-10.0
133	80.0	-40.0	-10.0	134	80.0	0.0	290.0	135	40.0	40.0	315.0
136	68.3	28.3	315.0	137	0.0	-40.0	-10.0	138	-85.0	-40.0	-10.0
139	68.3	-40.0	-10.0	140	11.7	-40.0	-10.0	141	165.0	-28.3	-10.0
142	80.0	-28.3	-10.0	143	11.7	28.3	315.0	144	0.0	0.0	315.0
145	11.7	-28.3	315.0	146	0.0	-28.3	-10.0	147	-85.0	-28.3	-10.0
148	40.0	-28.3	-10.0	149	165.0	28.3	-10.0	150	80.0	28.3	-10.0
151	40.0	-40.0	315.0	152	68.3	-28.3	315.0	153	80.0	0.0	315.0
154	0.0	28.3	-10.0	155	-85.0	28.3	-10.0	156	40.0	28.3	-10.0
157	165.0	40.0	-10.0	158	80.0	40.0	-10.0	159	48.8	8.8	380.0
160	40.0	12.5	380.0	161	31.2	8.8	380.0	162	27.5	0.0	380.0
163	31.2	-8.8	380.0	164	40.0	-12.5	380.0	165	48.8	-8.8	380.0
166	52.5	0.0	380.0	167	68.3	28.3	215.0	168	40.0	40.0	215.0
169	11.7	28.3	215.0	170	0.0	0.0	215.0	171	11.7	-28.3	215.0
172	40.0	-40.0	215.0	173	68.3	-28.3	215.0	174	80.0	0.0	215.0
175	48.8	8.8	494.0	176	48.8	8.8	418.0	177	40.0	12.5	418.0
178	40.0	12.5	494.0	179	31.2	8.8	418.0	180	31.2	8.8	494.0
181	27.5	0.0	418.0	182	27.5	0.0	494.0	183	110.0	40.0	-10.0

184	110.0	50.0	-10.0	185	110.0	125.0	-10.0	186	110.0	-40.0	-10.0
187	110.0	28.3	-10.0	188	-30.0	40.0	-10.0	189	-30.0	50.0	-10.0
190	-30.0	-50.0	-10.0	191	31.2	-8.8	418.0	192	31.2	-8.8	494.0
193	40.0	-12.5	418.0	194	40.0	-12.5	494.0	195	48.8	-8.8	418.0
196	48.8	-8.8	494.0	197	52.5	0.0	418.0	198	52.5	0.0	494.0
199	68.3	28.3	340.0	200	40.0	40.0	340.0	201	11.7	28.3	340.0
202	0.0	0.0	340.0	203	11.7	-28.3	340.0	204	40.0	-40.0	340.0
205	68.3	-28.3	340.0	206	48.8	8.8	456.0	207	58.6	18.6	360.0
208	40.0	26.2	360.0	209	40.0	12.5	456.0	210	21.4	18.6	360.0
211	31.2	8.8	456.0	212	13.7	0.0	360.0	213	27.5	0.0	456.0
214	21.4	-18.6	360.0	215	31.2	-8.8	456.0	216	40.0	-26.2	360.0
217	40.0	-12.5	456.0	218	58.6	-18.6	360.0	219	48.8	-8.8	456.0
220	66.2	0.0	360.0	221	52.5	0.0	456.0	222	-30.0	-28.3	-10.0
223	-30.0	0.0	-10.0	224	-30.0	125.0	-10.0	225	-30.0	-40.0	-10.0
226	-30.0	28.3	-10.0	227	110.0	-125.0	-10.0	228	-30.0	-125.0	-10.0
229	40.0	40.0	90.0	230	68.3	28.3	90.0	231	11.7	28.3	90.0
232	0.0	0.0	90.0	233	11.7	-28.3	90.0	234	40.0	-40.0	90.0
235	68.3	-28.3	90.0	236	80.0	0.0	90.0	237	-60.0	40.0	-10.0
238	-60.0	50.0	-10.0	239	-60.0	-50.0	-10.0	240	-60.0	-28.3	-10.0
241	-60.0	0.0	-10.0	242	-60.0	125.0	-10.0	243	-60.0	-40.0	-10.0
244	-60.0	28.3	-10.0	245	-60.0	-125.0	-10.0	246	140.0	125.0	-10.0
247	140.0	-125.0	-10.0	248	140.0	-28.3	-10.0	249	140.0	0.0	-10.0
250	140.0	-50.0	-10.0	251	140.0	40.0	-10.0	252	140.0	50.0	-10.0
253	140.0	-40.0	-10.0	254	140.0	28.3	-10.0	255	-85.0	-90.0	-10.0
256	165.0	-90.0	-10.0	257	-85.0	90.0	-10.0	258	165.0	90.0	-10.0
259	80.0	-90.0	-10.0	260	68.3	-90.0	-10.0	261	140.0	-90.0	-10.0
262	40.0	-90.0	-10.0	263	11.7	-90.0	-10.0	264	0.0	-90.0	-10.0
265	-30.0	-90.0	-10.0	266	110.0	-90.0	-10.0	267	-60.0	-90.0	-10.0
268	140.0	90.0	-10.0	269	0.0	90.0	-10.0	270	-30.0	90.0	-10.0
271	80.0	90.0	-10.0	272	68.3	90.0	-10.0	273	40.0	90.0	-10.0
274	11.7	90.0	-10.0	275	110.0	90.0	-10.0	276	-60.0	90.0	-10.0
277	190.0	-125.0	-10.0	278	190.0	125.0	-10.0	279	190.0	50.0	-10.0
280	190.0	-50.0	-10.0	281	190.0	0.0	-10.0	282	190.0	-40.0	-10.0
283	190.0	-28.3	-10.0	284	190.0	28.3	-10.0	285	190.0	40.0	-10.0
286	190.0	-90.0	-10.0	287	190.0	90.0	-10.0	288	-110.0	-125.0	-10.0
289	-110.0	125.0	-10.0	290	-110.0	-50.0	-10.0	291	-110.0	40.0	-10.0
292	-110.0	50.0	-10.0	293	-110.0	0.0	-10.0	294	-110.0	-40.0	-10.0
295	-110.0	-28.3	-10.0	296	-110.0	28.3	-10.0	297	-110.0	-90.0	-10.0
298	-110.0	90.0	-10.0	299	-110.0	150.0	-10.0	300	190.0	150.0	-10.0
301	-85.0	150.0	-10.0	302	165.0	150.0	-10.0	303	0.0	150.0	-10.0
304	80.0	150.0	-10.0	305	40.0	150.0	-10.0	306	68.3	150.0	-10.0
307	11.7	150.0	-10.0	308	110.0	150.0	-10.0	309	-30.0	150.0	-10.0
310	-60.0	150.0	-10.0	311	140.0	150.0	-10.0	312	-110.0	-150.0	-10.0
313	190.0	-150.0	-10.0	314	-85.0	-150.0	-10.0	315	165.0	-150.0	-10.0
316	0.0	-150.0	-10.0	317	80.0	-150.0	-10.0	318	40.0	-150.0	-10.0
319	68.3	-150.0	-10.0	320	11.7	-150.0	-10.0	321	110.0	-150.0	-10.0
322	-30.0	-150.0	-10.0	323	-60.0	-150.0	-10.0	324	140.0	-150.0	-10.0
325	215.0	-150.0	-10.0	326	215.0	150.0	-10.0	327	215.0	-125.0	-10.0
328	215.0	125.0	-10.0	329	215.0	50.0	-10.0	330	215.0	-50.0	-10.0
331	215.0	0.0	-10.0	332	215.0	-40.0	-10.0	333	215.0	-28.3	-10.0
334	215.0	28.3	-10.0	335	215.0	40.0	-10.0	336	215.0	-90.0	-10.0
337	215.0	90.0	-10.0	338	-135.0	150.0	-10.0	339	-135.0	-150.0	-10.0
340	-135.0	-125.0	-10.0	341	-135.0	125.0	-10.0	342	-135.0	-50.0	-10.0
343	-135.0	40.0	-10.0	344	-135.0	50.0	-10.0	345	-135.0	0.0	-10.0
346	-135.0	-40.0	-10.0	347	-135.0	-28.3	-10.0	348	-135.0	28.3	-10.0
349	-135.0	-90.0	-10.0	350	-135.0	90.0	-10.0				

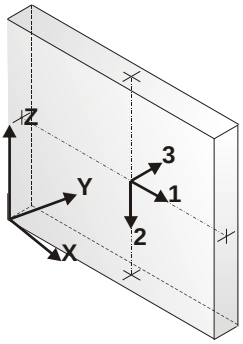
MODELLAZIONE STRUTTURA: ELEMENTI SHELL

LEGENDA TABELLA DATI SHELL

Il programma utilizza per la modellazione elementi a tre o quattro nodi denominati in generale shell.
Ogni elemento shell è individuato dai nodi I, J, K, L (L=I per gli elementi a tre nodi).
Ogni elemento è caratterizzato da un insieme di proprietà riportate in tabella che ne completano la modellazione.



orientamento elementi 3D non verticali



orientamento elementi 3D verticali

In particolare per ogni elemento viene indicato in tabella:

Elem.	numero dell'elemento
Note	codice di comportamento: *Guscio* (elemento guscio in elevazione non verticale) *Guscio fond.* (elemento guscio su suolo elastico) *Setto* (elemento guscio in elevazione verticale) *Membrana* (elemento guscio con comportamento membranale)
Nodo I (J, K, L)	numero del nodo I (J, K, L)
Mat.	codice del materiale assegnato all'elemento
Spessore	spessore dell'elemento (costante)
Wink V	costante di sottofondo (coefficiente di Winkler) per la modellazione del suolo elastico verticale
Wink O	costante di sottofondo (coefficiente di Winkler) per la modellazione del suolo elastico orizzontale

Elem.	Note	Nodo I	Nodo J	Nodo K	Nodo L	Mat.	Crit.	Spessore	Svincolo	Wink V	Wink O
								cm		daN/cm3	daN/cm3
1	Guscio fond.	248	141	89	249	1	2	40.0		1.14	0.57
2	Setto	7	6	5	8	157	1	1.0			
3	Setto	9	7	8	10	157	1	1.0			
4	Setto	11	9	10	12	157	1	1.0			
5	Setto	11	13	14	12	157	1	1.0			
6	Setto	13	15	16	14	157	1	1.0			
7	Setto	15	17	18	16	157	1	1.0			
8	Setto	17	19	20	18	157	1	1.0			
9	Setto	6	19	20	5	157	1	1.0			
10	Setto	22	21	6	7	157	1	1.0			
11	Setto	23	22	7	9	157	1	1.0			
12	Setto	24	23	9	11	157	1	1.0			
13	Setto	24	25	13	11	157	1	1.0			
14	Setto	25	26	15	13	157	1	1.0			
15	Setto	26	27	17	15	157	1	1.0			
16	Setto	27	28	19	17	157	1	1.0			
17	Setto	21	28	19	6	157	1	1.0			
18	Setto	30	29	21	22	157	1	1.0			
19	Setto	31	30	22	23	157	1	1.0			
20	Setto	32	31	23	24	157	1	1.0			
21	Setto	32	33	25	24	157	1	1.0			
22	Setto	33	34	26	25	157	1	1.0			
23	Setto	34	35	27	26	157	1	1.0			
24	Setto	35	36	28	27	157	1	1.0			
25	Setto	29	36	28	21	157	1	1.0			
26	Setto	229	230	29	30	157	1	1.0			
27	Setto	231	229	30	31	157	1	1.0			
28	Setto	232	231	31	32	157	1	1.0			
29	Setto	232	233	33	32	157	1	1.0			
30	Setto	233	234	34	33	157	1	1.0			
31	Setto	234	235	35	34	157	1	1.0			
32	Setto	235	236	36	35	157	1	1.0			
33	Setto	230	236	36	29	157	1	1.0			
34	Setto	46	45	230	229	157	1	1.0			
35	Setto	47	46	229	231	157	1	1.0			
36	Setto	48	47	231	232	157	1	1.0			
37	Setto	48	49	233	232	157	1	1.0			
38	Setto	49	50	234	233	157	1	1.0			
39	Setto	50	51	235	234	157	1	1.0			
40	Setto	51	52	236	235	157	1	1.0			
41	Setto	45	52	236	230	157	1	1.0			
42	Setto	54	53	45	46	157	1	1.0			
43	Setto	55	54	46	47	157	1	1.0			
44	Setto	56	55	47	48	157	1	1.0			
45	Setto	56	57	49	48	157	1	1.0			
46	Setto	57	58	50	49	157	1	1.0			
47	Setto	58	59	51	50	157	1	1.0			
48	Setto	59	60	52	51	157	1	1.0			
49	Setto	53	60	52	45	157	1	1.0			
50	Setto	62	61	53	54	157	1	1.0			
51	Setto	63	62	54	55	157	1	1.0			
52	Setto	64	63	55	56	157	1	1.0			

53	Setto	64	65	57	56	157	1	1.0		
54	Setto	65	66	58	57	157	1	1.0		
55	Setto	66	67	59	58	157	1	1.0		
56	Setto	67	68	60	59	157	1	1.0		
57	Setto	61	68	60	53	157	1	1.0		
58	Setto	70	69	61	62	157	1	1.0		
59	Setto	71	70	62	63	157	1	1.0		
60	Setto	72	71	63	64	157	1	1.0		
61	Setto	72	73	65	64	157	1	1.0		
62	Setto	73	74	66	65	157	1	1.0		
63	Setto	74	75	67	66	157	1	1.0		
64	Setto	75	76	68	67	157	1	1.0		
65	Setto	69	76	68	61	157	1	1.0		
66	Guscio fond.	156	5	91	8	1	2	40.0	0.62	0.31
67	Guscio fond.	154	10	92	88	1	2	40.0	0.51	0.25
68	Guscio fond.	260	259	104	108	1	2	40.0	0.75	0.38
69	Guscio	98	3	4		157	1	1.0		
70	Guscio fond.	88	92	96	97	1	2	40.0	0.56	0.28
71	Guscio	40	106	80	39	157	1	1.0		
72	Guscio fond.	261	256	82	250	1	2	40.0	1.31	0.66
73	Guscio fond.	251	157	81	252	1	2	40.0	1.16	0.58
74	Setto	78	79	37	38	157	1	1.0		
75	Guscio fond.	263	262	114	117	1	2	40.0	0.64	0.32
76	Setto	85	78	38	39	157	1	1.0		
77	Setto	86	85	39	40	157	1	1.0		
78	Guscio fond.	188	88	97	189	1	2	40.0	0.53	0.27
79	Guscio fond.	262	260	108	114	1	2	40.0	0.69	0.35
80	Setto	86	87	41	40	157	1	1.0		
81	Setto	87	94	3	41	157	1	1.0		
82	Guscio fond.	264	263	117	83	1	2	40.0	0.64	0.32
83	Guscio fond.	91	158	103	93	1	2	40.0	0.64	0.32
84	Guscio fond.	92	8	100	96	1	2	40.0	0.59	0.29
85	Guscio fond.	8	91	93	100	1	2	40.0	0.63	0.32
86	Guscio fond.	265	264	83	190	1	2	40.0	0.61	0.30
87	Guscio	106	44	37	80	157	1	1.0		
88	Setto	94	95	4	3	157	1	1.0		
89	Guscio	41	98	106	40	157	1	1.0		
90	Setto	203	204	151	145	157	1	1.0		
91	Setto	204	205	152	151	157	1	1.0		
92	Setto	205	105	153	152	157	1	1.0		
93	Setto	199	105	153	136	157	1	1.0		
94	Guscio	80	37	38		157	1	1.0		
95	Guscio	41	3	98		157	1	1.0		
96	Guscio	98	4	44	106	157	1	1.0		
97	Guscio	39	80	38		157	1	1.0		
98	Guscio fond.	268	258	110	246	1	2	40.0	1.74	0.87
99	Setto	95	99	44	4	157	1	1.0		
100	Setto	79	99	44	37	157	1	1.0		
101	Setto	102	111	79	78	157	1	1.0		
102	Setto	112	102	78	85	157	1	1.0		
103	Guscio fond.	222	146	12	223	1	2	40.0	0.50	0.25
104	Guscio fond.	270	269	116	224	1	2	40.0	0.80	0.40
105	Setto	113	112	85	86	157	1	1.0		
106	Setto	113	118	87	86	157	1	1.0		
107	Guscio fond.	18	142	20	127	1	2	40.0	0.63	0.32
108	Guscio fond.	272	271	122	128	1	2	40.0	0.97	0.49

109	Guscio fond.	14	148	124	130	1	2	40.0	0.55	0.27
110	Guscio fond.	274	273	125	131	1	2	40.0	0.81	0.40
111	Guscio fond.	148	18	127	124	1	2	40.0	0.62	0.31
112	Guscio fond.	273	272	128	125	1	2	40.0	0.88	0.44
113	Guscio fond.	146	14	130	12	1	2	40.0	0.50	0.25
114	Guscio fond.	269	274	131	116	1	2	40.0	0.80	0.40
115	Guscio fond.	250	82	132	253	1	2	40.0	1.16	0.58
116	Setto	118	119	94	87	157	1	1.0		
117	Setto	119	120	95	94	157	1	1.0		
118	Guscio fond.	190	83	137	225	1	2	40.0	0.53	0.27
119	Setto	120	134	99	95	157	1	1.0		
120	Guscio fond.	108	104	133	139	1	2	40.0	0.64	0.32
121	Guscio fond.	117	114	16	140	1	2	40.0	0.59	0.29
122	Guscio fond.	114	108	139	16	1	2	40.0	0.63	0.32
123	Guscio fond.	83	117	140	137	1	2	40.0	0.56	0.28
124	Guscio fond.	253	132	141	248	1	2	40.0	1.15	0.57
125	Setto	111	134	99	79	157	1	1.0		
126	Setto	135	136	111	102	157	1	1.0		
127	Guscio fond.	225	137	146	222	1	2	40.0	0.51	0.25
128	Setto	143	135	102	112	157	1	1.0		
129	Guscio fond.	139	133	142	18	1	2	40.0	0.64	0.32
130	Guscio fond.	140	16	148	14	1	2	40.0	0.55	0.28
131	Guscio fond.	16	139	18	148	1	2	40.0	0.62	0.31
132	Guscio fond.	137	140	14	146	1	2	40.0	0.51	0.25
133	Guscio fond.	249	89	149	254	1	2	40.0	1.14	0.57
134	Setto	144	143	112	113	157	1	1.0		
135	Setto	144	145	118	113	157	1	1.0		
136	Guscio fond.	223	12	154	226	1	2	40.0	0.50	0.25
137	Setto	145	151	119	118	157	1	1.0		
138	Guscio fond.	127	20	150	5	1	2	40.0	0.63	0.32
139	Guscio fond.	130	124	156	10	1	2	40.0	0.55	0.27
140	Guscio fond.	124	127	5	156	1	2	40.0	0.62	0.31
141	Guscio fond.	12	130	10	154	1	2	40.0	0.50	0.25
142	Guscio fond.	254	149	157	251	1	2	40.0	1.15	0.57
143	Setto	151	152	120	119	157	1	1.0		
144	Setto	152	153	134	120	157	1	1.0		
145	Guscio fond.	226	154	88	188	1	2	40.0	0.51	0.25
146	Setto	136	153	134	111	157	1	1.0		
147	Guscio fond.	5	150	158	91	1	2	40.0	0.64	0.32
148	Guscio fond.	10	156	8	92	1	2	40.0	0.55	0.28
149	Setto	168	167	69	70	157	1	1.0		
150	Setto	169	168	70	71	157	1	1.0		
151	Setto	170	169	71	72	157	1	1.0		
152	Setto	170	171	73	72	157	1	1.0		
153	Setto	171	172	74	73	157	1	1.0		
154	Setto	172	173	75	74	157	1	1.0		
155	Setto	173	174	76	75	157	1	1.0		
156	Setto	167	174	76	69	157	1	1.0		
157	Setto	38	37	167	168	157	1	1.0		
158	Setto	39	38	168	169	157	1	1.0		
159	Setto	40	39	169	170	157	1	1.0		
160	Setto	40	41	171	170	157	1	1.0		
161	Setto	41	3	172	171	157	1	1.0		
162	Setto	3	4	173	172	157	1	1.0		
163	Setto	4	44	174	173	157	1	1.0		
164	Setto	37	44	174	167	157	1	1.0		

165	Setto	200	199	136	135	157	1	1.0		
166	Setto	201	200	135	143	157	1	1.0		
167	Setto	202	201	143	144	157	1	1.0		
168	Setto	202	203	145	144	157	1	1.0		
169	Guscio	208	207	199	200	157	1	1.0		
170	Guscio	210	208	200	201	157	1	1.0		
171	Guscio	202	212	210	201	157	1	1.0		
172	Guscio	203	214	212	202	157	1	1.0		
173	Guscio	203	204	216	214	157	1	1.0		
174	Guscio	204	205	218	216	157	1	1.0		
175	Guscio	218	205	105	220	157	1	1.0		
176	Guscio	220	105	199	207	157	1	1.0		
177	Guscio	160	159	207	208	157	1	1.0		
178	Guscio	161	160	208	210	157	1	1.0		
179	Guscio	212	162	161	210	157	1	1.0		
180	Guscio	214	163	162	212	157	1	1.0		
181	Guscio	214	216	164	163	157	1	1.0		
182	Guscio	216	218	165	164	157	1	1.0		
183	Guscio	165	218	220	166	157	1	1.0		
184	Guscio	166	220	207	159	157	1	1.0		
185	Setto	177	176	159	160	157	1	1.0		
186	Setto	179	177	160	161	157	1	1.0		
187	Setto	181	179	161	162	157	1	1.0		
188	Setto	181	191	163	162	157	1	1.0		
189	Setto	191	193	164	163	157	1	1.0		
190	Setto	193	195	165	164	157	1	1.0		
191	Setto	195	197	166	165	157	1	1.0		
192	Setto	176	197	166	159	157	1	1.0		
193	Setto	209	206	176	177	157	1	1.0		
194	Setto	211	209	177	179	157	1	1.0		
195	Setto	213	211	179	181	157	1	1.0		
196	Setto	213	215	191	181	157	1	1.0		
197	Setto	215	217	193	191	157	1	1.0		
198	Setto	217	219	195	193	157	1	1.0		
199	Setto	219	221	197	195	157	1	1.0		
200	Setto	206	221	197	176	157	1	1.0		
201	Setto	178	175	206	209	157	1	1.0		
202	Setto	180	178	209	211	157	1	1.0		
203	Setto	182	180	211	213	157	1	1.0		
204	Setto	182	192	215	213	157	1	1.0		
205	Setto	192	194	217	215	157	1	1.0		
206	Setto	194	196	219	217	157	1	1.0		
207	Setto	196	198	221	219	157	1	1.0		
208	Setto	175	198	221	206	157	1	1.0		
209	Guscio fond.	142	42	43	20	1	2	40.0	0.65	0.33
210	Guscio fond.	259	266	77	104	1	2	40.0	0.83	0.41
211	Guscio fond.	158	183	184	103	1	2	40.0	0.75	0.37
212	Guscio fond.	271	275	185	122	1	2	40.0	1.07	0.54
213	Guscio fond.	104	77	186	133	1	2	40.0	0.75	0.37
214	Guscio fond.	133	186	42	142	1	2	40.0	0.70	0.35
215	Guscio fond.	20	43	187	150	1	2	40.0	0.65	0.33
216	Guscio fond.	150	187	183	158	1	2	40.0	0.70	0.35
217	Guscio fond.	237	188	189	238	1	2	40.0	0.57	0.29
218	Guscio fond.	267	265	190	239	1	2	40.0	0.62	0.31
219	Guscio fond.	240	222	223	241	1	2	40.0	0.54	0.27
220	Guscio fond.	276	270	224	242	1	2	40.0	0.81	0.40

221Guscio fond.	239	190	225	243	1	2	40.0	0.57	0.29
222Guscio fond.	243	225	222	240	1	2	40.0	0.56	0.28
223Guscio fond.	241	223	226	244	1	2	40.0	0.54	0.27
224Guscio fond.	244	226	188	237	1	2	40.0	0.56	0.28
225Guscio fond.	42	248	249	43	1	2	40.0	0.78	0.39
226Guscio fond.	266	261	250	77	1	2	40.0	1.02	0.51
227Guscio fond.	183	251	252	184	1	2	40.0	0.91	0.46
228Guscio fond.	275	268	246	185	1	2	40.0	1.38	0.69
229Guscio fond.	77	250	253	186	1	2	40.0	0.91	0.46
230Guscio fond.	186	253	248	42	1	2	40.0	0.84	0.42
231Guscio fond.	43	249	254	187	1	2	40.0	0.78	0.39
232Guscio fond.	187	254	251	183	1	2	40.0	0.84	0.42
233Guscio fond.	90	237	238	101	1	2	40.0	0.66	0.33
234Guscio fond.	255	267	239	84	1	2	40.0	0.68	0.34
235Guscio fond.	147	240	241	107	1	2	40.0	0.62	0.31
236Guscio fond.	257	276	242	2	1	2	40.0	0.85	0.42
237Guscio fond.	84	239	243	138	1	2	40.0	0.66	0.33
238Guscio fond.	138	243	240	147	1	2	40.0	0.65	0.33
239Guscio fond.	107	241	244	155	1	2	40.0	0.62	0.31
240Guscio fond.	155	244	237	90	1	2	40.0	0.65	0.33
241Guscio fond.	126	121	259	260	1	2	40.0	0.97	0.49
242Guscio fond.	247	109	256	261	1	2	40.0	1.74	0.87
243Guscio fond.	129	123	262	263	1	2	40.0	0.81	0.40
244Guscio fond.	123	126	260	262	1	2	40.0	0.88	0.44
245Guscio fond.	115	129	263	264	1	2	40.0	0.80	0.40
246Guscio fond.	228	115	264	265	1	2	40.0	0.80	0.40
247Guscio fond.	121	227	266	259	1	2	40.0	1.07	0.54
248Guscio fond.	245	228	265	267	1	2	40.0	0.81	0.40
249Guscio fond.	227	247	261	266	1	2	40.0	1.38	0.69
250Guscio fond.	1	245	267	255	1	2	40.0	0.85	0.42
251Guscio fond.	252	81	258	268	1	2	40.0	1.31	0.66
252Guscio fond.	189	97	269	270	1	2	40.0	0.61	0.30
253Guscio fond.	93	103	271	272	1	2	40.0	0.75	0.38
254Guscio fond.	96	100	273	274	1	2	40.0	0.64	0.32
255Guscio fond.	100	93	272	273	1	2	40.0	0.69	0.35
256Guscio fond.	97	96	274	269	1	2	40.0	0.64	0.32
257Guscio fond.	103	184	275	271	1	2	40.0	0.83	0.41
258Guscio fond.	238	189	270	276	1	2	40.0	0.62	0.31
259Guscio fond.	184	252	268	275	1	2	40.0	1.02	0.51
260Guscio fond.	101	238	276	257	1	2	40.0	0.68	0.34
261Guscio fond.	258	287	278	110	1	2	40.0	2.13	1.07
262Guscio fond.	109	277	286	256	1	2	40.0	2.13	1.07
263Guscio fond.	256	286	280	82	1	2	40.0	1.77	0.89
264Guscio fond.	82	280	282	132	1	2	40.0	1.73	0.87
265Guscio fond.	132	282	283	141	1	2	40.0	1.72	0.86
266Guscio fond.	141	283	281	89	1	2	40.0	1.72	0.86
267Guscio fond.	89	281	284	149	1	2	40.0	1.72	0.86
268Guscio fond.	149	284	285	157	1	2	40.0	1.72	0.86
269Guscio fond.	157	285	279	81	1	2	40.0	1.73	0.87
270Guscio fond.	81	279	287	258	1	2	40.0	1.77	0.89
271Guscio fond.	298	257	2	289	1	2	40.0	0.98	0.49
272Guscio fond.	288	1	255	297	1	2	40.0	0.98	0.49
273Guscio fond.	297	255	84	290	1	2	40.0	0.79	0.40
274Guscio fond.	290	84	138	294	1	2	40.0	0.73	0.37
275Guscio fond.	294	138	147	295	1	2	40.0	0.72	0.36
276Guscio fond.	295	147	107	293	1	2	40.0	0.72	0.36

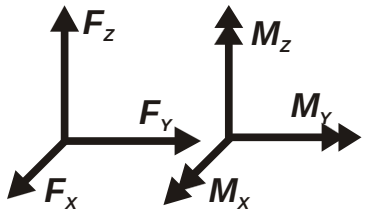
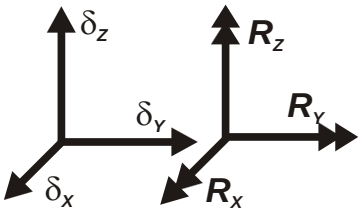
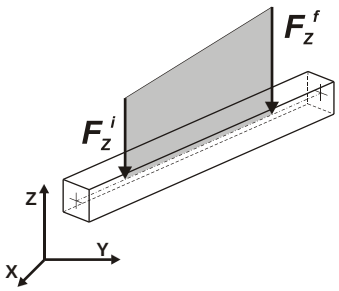
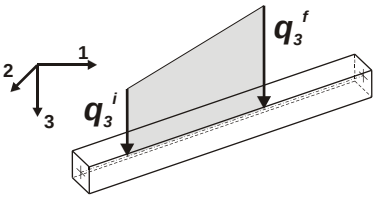
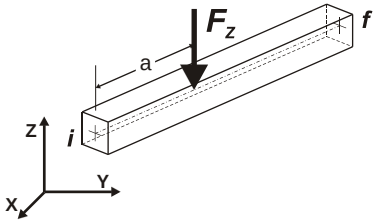
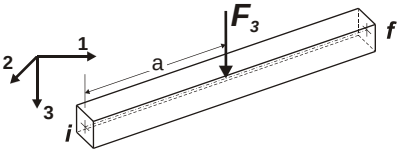
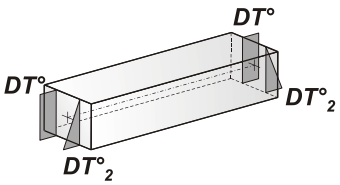
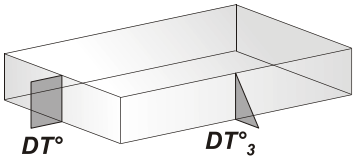
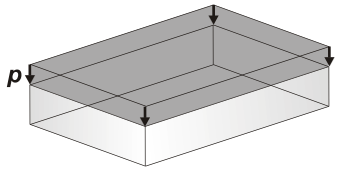
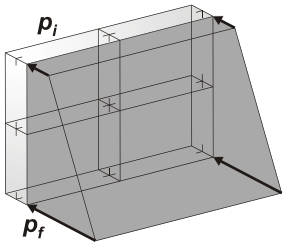
277Guscio fond.	293	107	155	296	1	2	40.0	0.72	0.36
278Guscio fond.	296	155	90	291	1	2	40.0	0.72	0.36
279Guscio fond.	291	90	101	292	1	2	40.0	0.73	0.37
280Guscio fond.	292	101	257	298	1	2	40.0	0.79	0.40
281Guscio fond.	110	278	300	302	1	2	40.0	3.50	1.75
282Guscio fond.	289	2	301	299	1	2	40.0	1.59	0.80
283Guscio fond.	2	242	310	301	1	2	40.0	1.43	0.71
284Guscio fond.	242	224	309	310	1	2	40.0	1.38	0.69
285Guscio fond.	224	116	303	309	1	2	40.0	1.37	0.69
286Guscio fond.	116	131	307	303	1	2	40.0	1.38	0.69
287Guscio fond.	131	125	305	307	1	2	40.0	1.40	0.70
288Guscio fond.	125	128	306	305	1	2	40.0	1.47	0.74
289Guscio fond.	128	122	304	306	1	2	40.0	1.55	0.78
290Guscio fond.	122	185	308	304	1	2	40.0	1.78	0.89
291Guscio fond.	185	246	311	308	1	2	40.0	2.37	1.19
292Guscio fond.	246	110	302	311	1	2	40.0	2.88	1.44
293Guscio fond.	315	313	277	109	1	2	40.0	3.50	1.75
294Guscio fond.	312	314	1	288	1	2	40.0	1.59	0.80
295Guscio fond.	314	323	245	1	1	2	40.0	1.43	0.71
296Guscio fond.	323	322	228	245	1	2	40.0	1.38	0.69
297Guscio fond.	322	316	115	228	1	2	40.0	1.37	0.69
298Guscio fond.	316	320	129	115	1	2	40.0	1.38	0.69
299Guscio fond.	320	318	123	129	1	2	40.0	1.40	0.70
300Guscio fond.	318	319	126	123	1	2	40.0	1.47	0.74
301Guscio fond.	319	317	121	126	1	2	40.0	1.55	0.78
302Guscio fond.	317	321	227	121	1	2	40.0	1.78	0.89
303Guscio fond.	321	324	247	227	1	2	40.0	2.37	1.18
304Guscio fond.	324	315	109	247	1	2	40.0	2.88	1.44
305Guscio fond.	278	328	326	300	1	2	40.0	3.66	1.83
306Guscio fond.	313	325	327	277	1	2	40.0	3.66	1.83
307Guscio fond.	277	327	336	286	1	2	40.0	3.77	1.89
308Guscio fond.	286	336	330	280	1	2	40.0	2.74	1.37
309Guscio fond.	280	330	332	282	1	2	40.0	2.52	1.26
310Guscio fond.	282	332	333	283	1	2	40.0	2.51	1.26
311Guscio fond.	283	333	331	281	1	2	40.0	2.41	1.20
312Guscio fond.	281	331	334	284	1	2	40.0	2.41	1.20
313Guscio fond.	284	334	335	285	1	2	40.0	2.51	1.26
314Guscio fond.	285	335	329	279	1	2	40.0	2.52	1.26
315Guscio fond.	279	329	337	287	1	2	40.0	2.74	1.37
316Guscio fond.	287	337	328	278	1	2	40.0	3.77	1.89
317Guscio fond.	341	289	299	338	1	2	40.0	2.49	1.25
318Guscio fond.	339	312	288	340	1	2	40.0	2.49	1.25
319Guscio fond.	340	288	297	349	1	2	40.0	1.58	0.79
320Guscio fond.	349	297	290	342	1	2	40.0	1.20	0.60
321Guscio fond.	342	290	294	346	1	2	40.0	1.03	0.52
322Guscio fond.	346	294	295	347	1	2	40.0	1.02	0.51
323Guscio fond.	347	295	293	345	1	2	40.0	1.02	0.51
324Guscio fond.	345	293	296	348	1	2	40.0	1.02	0.51
325Guscio fond.	348	296	291	343	1	2	40.0	1.02	0.51
326Guscio fond.	343	291	292	344	1	2	40.0	1.03	0.52
327Guscio fond.	344	292	298	350	1	2	40.0	1.20	0.60
328Guscio fond.	350	298	289	341	1	2	40.0	1.58	0.79

MODELLAZIONE DELLE AZIONI

LEGENDA TABELLA DATI AZIONI

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

1	**carico concentrato nodale** 6 dati (forza 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 variabile generale

Id	Tipo	ascissa	valore	ascissa	valore
		m	daN/ m2	m	daN/ m2
1	Qv+x - QV:var z - Qx - Area				
	Z - Z Qx Area L2=0.0	0.0	-85.00	5.04	-85.00
2	Qv+x - QV:var z - Qx - Area				
	Z - Z Qx Area L2=0.0	0.0	-85.00	5.04	-85.00
3	Qv-x - QV:var z - Qx - Area				
	Z - Z Qx Area L2=0.0	0.0	85.00	5.04	85.00
4	Qv-x - QV:var z - Qx - Area				
	Z - Z Qx Area L2=0.0	0.0	85.00	5.04	85.00
5	Qv+y - QV:var z - Qy - Area				

Id	Tipo	ascissa	valore	ascissa	valore
	Z - Z Qy Area L2=0.0	0.0	-85.00	5.04	-85.00
6	Qv+y - QV:var z - Qy - Area				
	Z - Z Qy Area L2=0.0	0.0	-85.00	5.04	-85.00
7	Qv-y - QV:var z - Qy - Area				
	Z - Z Qy Area L2=0.0	0.0	85.00	5.04	85.00
8	Qv-y - QV:var z - Qy - Area				
	Z - Z Qy Area L2=0.0	0.0	85.00	5.04	85.00
9	Peso scrubber - QV:unif - Qz - Area				
	Unif. Qz Area L2=0.0		-1641.70		

SCHEMATIZZAZIONE DEI CASI DI CARICO

LEGENDA TABELLA CASI DI CARICO

Il programma consente l'applicazione di diverse tipologie di casi di carico.
Sono previsti i seguenti 11 tipi di casi di carico:

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

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

Sono di tipo semi-automatico SA (ossia prevedono una minima introduzione dati da parte dell'utente) i seguenti casi di carico:
7-Qtk, in quanto richiede solo il valore della variazione termica;
9-Esk e 10-Edk, in quanto richiedono il valore dell'angolo di ingresso del sisma e l'individuazione dei casi di carico partecipanti alla definizione delle masse.

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

Nella tabella successiva vengono riportati i casi di carico agenti sulla struttura, con l'indicazione dei dati relativi al caso di carico stesso:
Numero Tipo e *Sigla identificativa*, *Valore di riferimento* del caso di carico (se previsto).

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

Per i casi di carico di tipo sismico (9-Esk e 10-Edk), viene riportata la tabella di definizione delle masse: per ogni caso di carico partecipante alla definizione delle masse viene indicata la relativa aliquota (partecipazione) considerata. Si precisa che per i caso di carico 5-Qsk e 6-Qnk la partecipazione è prevista localmente per ogni elemento solaio o

copertura presente nel modello (si confronti il valore Sksol nel capitolo relativo agli elementi solaio) e pertanto la loro partecipazione è di norma pari a uno.

CDC	Tipo	Sigla Id	Note	Per non automatici:
1	Ggk	CDC=Ggk (peso proprio della struttura)		
2	Edk	CDC=Ed (dinamico SLU) alfa=0.0 (ecc. +)	partecipazione:1.00 per 1 CDC=Ggk (peso proprio della struttura)	
			partecipazione:1.00 per 10 CDC=G2k (permanente generico n.c.d.) SCRUBBER	
3	Edk	CDC=Ed (dinamico SLU) alfa=0.0 (ecc. -)	come precedente CDC sismico	
4	Edk	CDC=Ed (dinamico SLU) alfa=90.00 (ecc. +)	come precedente CDC sismico	
5	Edk	CDC=Ed (dinamico SLU) alfa=90.00 (ecc. -)	come precedente CDC sismico	
6	Edk	CDC=Ed (dinamico SLD) alfa=0.0 (ecc. +)	come precedente CDC sismico	
7	Edk	CDC=Ed (dinamico SLD) alfa=0.0 (ecc. -)	come precedente CDC sismico	
8	Edk	CDC=Ed (dinamico SLD) alfa=90.00 (ecc. +)	come precedente CDC sismico	
9	Edk	CDC=Ed (dinamico SLD) alfa=90.00 (ecc. -)	come precedente CDC sismico	
10	Gk	CDC=G2k (permanente generico n.c.d.) SCRUBBER	Azioni applicate:	Ad elementi:
			[9] Peso scrubber - QV:unif - Qz - Area	D3: 69, 71, 87, 89, 94 # 97
11	Qvk	CDC=Qvk (carico da vento) V+x	Azioni applicate:	Ad elementi:
			[1] Qv+x - QV:var z - Qx - Area	D3: 3 # 6, 11 # 14, 19 # 22, 27 # 30, 35 # 38, 43 # 46, 51 # 54, 59 # 62, 76 # 77, 80 # 81, 90, 102, 105 # 106, 116, 128, 134 # 135, 137, 150 # 153, 158 # 161, 166 # 168, 170 # 173, 178 # 181, 186 # 189, 194 # 197, 202 # 205
			[2] Qv+x - QV:var z - Qx - Area	D3: 2, 7 # 10, 15 # 18, 23 # 26, 31 # 34, 39 # 42, 47 # 50, 55 # 58, 63 # 65, 74, 88, 91 # 93, 99 # 101, 117, 119, 125 # 126, 143 # 144, 146, 149, 154 # 157, 162 # 165, 169, 174 # 177, 182 # 185, 190 # 193, 198 # 201, 206 # 208
12	Qvk	CDC=Qvk (carico da vento) V-x	Azioni applicate:	Ad elementi:
			[3] Qv-x - QV:var z - Qx - Area	D3: 2, 7 # 10, 15 # 18, 23 # 26, 31 # 34, 39 # 42, 47 # 50, 55 # 58, 63 # 65, 74, 88, 91 # 93, 99 # 101, 117, 119, 125 # 126, 143 # 144, 146, 149, 154 # 157, 162 # 165, 169, 174 # 177, 182 # 185, 190 # 193, 198 # 201, 206 # 208
			[4] Qv-x - QV:var z - Qx - Area	D3: 3 # 6, 11 # 14, 19 # 22, 27 # 30, 35 # 38, 43 # 46, 51 # 54, 59 # 62, 76 # 77, 80 # 81, 90, 102, 105 # 106, 116, 128, 134 # 135, 137, 150 # 153, 158 # 161, 166 # 168, 170 # 173, 178 # 181, 186 # 189, 194 # 197, 202 # 205
13	Qvk	CDC=Qvk (carico da vento) V+y	Azioni applicate:	Ad elementi:
			[5] Qv+y - QV:var z - Qy - Area	D3: 5 # 8, 13 # 16, 21 # 24, 29 # 32, 37 # 40, 45 # 48, 53 # 56, 61 # 64, 80 # 81, 88, 90 # 92, 99, 106, 116 # 117, 119, 135, 137,

CDC	Tipo	Sigla Id	Note	Per non automatici:
				143 # 144, 152 # 155, 160 # 163, 168, 172 # 175, 180 # 183, 188 # 191, 196 # 199, 204 # 207
			[6] Qv+y - QV:var z - Qy - Area	D3: 2 # 4, 9 # 12, 17 # 20, 25 # 28, 33 # 36, 41 # 44, 49 # 52, 57 # 60, 65, 74, 76 # 77, 93, 100 # 102, 105, 125 # 126, 128, 134, 146, 149 # 151, 156 # 159, 164 # 167, 169 # 171, 176 # 179, 184 # 187, 192 # 195, 200 # 203
14	Qvk	CDC=Qvk (carico da vento) V-y	Azioni applicate:	Ad elementi:
			[7] Qv-y - QV:var z - Qy - Area	D3: 2 # 4, 9 # 12, 17 # 20, 25 # 28, 33 # 36, 41 # 44, 49 # 52, 57 # 60, 65, 74, 76 # 77, 93, 100 # 102, 105, 125 # 126, 128, 134, 146, 149 # 151, 156 # 159, 164 # 167, 169 # 171, 176 # 179, 184 # 187, 192 # 195, 200 # 203
			[8] Qv-y - QV:var z - Qy - Area	D3: 5 # 8, 13 # 16, 21 # 24, 29 # 32, 37 # 40, 45 # 48, 53 # 56, 61 # 64, 80 # 81, 88, 90 # 92, 99, 106, 116 # 117, 119, 135, 137, 143 # 144, 152 # 155, 160 # 163, 168, 172 # 175, 180 # 183, 188 # 191, 196 # 199, 204 # 207

DEFINIZIONE DELLE COMBINAZIONI

LEGENDA TABELLA COMBINAZIONI DI CARICO

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

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

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

Combinazione fondamentale *SLU*

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

Combinazione caratteristica *(rara) SLE*

$G1 + G2 + P + Qk1 + \psi 02 \cdot Qk2 + \psi 03 \cdot Qk3 + \ldots$

Combinazione frequente *SLE*

$G1 + G2 + P + \psi 11 \cdot Qk1 + \psi 22 \cdot Qk2 + \psi 23 \cdot Qk3 + \ldots$

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*

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

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

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

Dove:
NTC 2018 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 2018 Tabella 2.6.I

		Coefficiente γf	**EQU**	**A1**	**A2**
Carichi permanenti	Favorevoli	$\gamma G1$	0,9	1,0	1,0
	Sfavorevoli		1,1	1,3	1,0
Carichi permanenti non strutturali (Non compiutamente definiti)	Favorevoli	$\gamma G2$	0,8	0,8	0,8
	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	SLU v+x	
2	SLU	SLU v-x	
3	SLU	SLU v+y	
4	SLU	SLU v-y	
5	SLE(r)	SLe v+x	
6	SLE(r)	SLe v-x	
7	SLE(r)	SLe v+y	
8	SLE(r)	SLe v-y	
9	SLU	SLV_1_100X_30Y_ex+_ey+	
10	SLU	SLV_2_100X_30Y_ex+_ey-	
11	SLU	SLV_3_100X_30Y_ex-_ey+	
12	SLU	SLV_4_100X_30Y_ex-_ey-	
13	SLU	SLV_5_100X_-30Y_ex+_ey+	
14	SLU	SLV_6_100X_-30Y_ex+_ey-	
15	SLU	SLV_7_100X_-30Y_ex-_ey+	
16	SLU	SLV_8_100X_-30Y_ex-_ey-	
17	SLU	SLV_9_-100X_30Y_ex+_ey+	
18	SLU	SLV_10_-100X_30Y_ex+_ey-	
19	SLU	SLV_11_-100X_30Y_ex-_ey+	
20	SLU	SLV_12_-100X_30Y_ex-_ey-	
21	SLU	SLV_13_-100X_-30Y_ex+_ey+	
22	SLU	SLV_14_-100X_-30Y_ex+_ey-	
23	SLU	SLV_15_-100X_-30Y_ex-_ey+	
24	SLU	SLV_16_-100X_-30Y_ex-_ey-	
25	SLU	SLV_17_30X_100Y_ex+_ey+	
26	SLU	SLV_18_30X_100Y_ex+_ey-	
27	SLU	SLV_19_30X_100Y_ex-_ey+	
28	SLU	SLV_20_30X_100Y_ex-_ey-	

Cmb	Tipo	Sigla Id	effetto P-delta
29	SLU	SLV_21_30X_-100Y_ex+_ey+	
30	SLU	SLV_22_30X_-100Y_ex+_ey-	
31	SLU	SLV_23_30X_-100Y_ex-_ey+	
32	SLU	SLV_24_30X_-100Y_ex-_ey-	
33	SLU	SLV_25_-30X_100Y_ex+_ey+	
34	SLU	SLV_26_-30X_100Y_ex+_ey-	
35	SLU	SLV_27_-30X_100Y_ex-_ey+	
36	SLU	SLV_28_-30X_100Y_ex-_ey-	
37	SLU	SLV_29_-30X_-100Y_ex+_ey+	
38	SLU	SLV_30_-30X_-100Y_ex+_ey-	
39	SLU	SLV_31_-30X_-100Y_ex-_ey+	
40	SLU	SLV_32_-30X_-100Y_ex-_ey-	
41	SLE(sis)	SLD_1_100X_30Y_ex+_ey+	
42	SLE(sis)	SLD_2_100X_30Y_ex+_ey-	
43	SLE(sis)	SLD_3_100X_30Y_ex-_ey+	
44	SLE(sis)	SLD_4_100X_30Y_ex-_ey-	
45	SLE(sis)	SLD_5_100X_-30Y_ex+_ey+	
46	SLE(sis)	SLD_6_100X_-30Y_ex+_ey-	
47	SLE(sis)	SLD_7_100X_-30Y_ex-_ey+	
48	SLE(sis)	SLD_8_100X_-30Y_ex-_ey-	
49	SLE(sis)	SLD_9_-100X_30Y_ex+_ey+	
50	SLE(sis)	SLD_10_-100X_30Y_ex+_ey-	
51	SLE(sis)	SLD_11_-100X_30Y_ex-_ey+	
52	SLE(sis)	SLD_12_-100X_30Y_ex-_ey-	
53	SLE(sis)	SLD_13_-100X_-30Y_ex+_ey+	
54	SLE(sis)	SLD_14_-100X_-30Y_ex+_ey-	
55	SLE(sis)	SLD_15_-100X_-30Y_ex-_ey+	
56	SLE(sis)	SLD_16_-100X_-30Y_ex-_ey-	
57	SLE(sis)	SLD_17_30X_100Y_ex+_ey+	
58	SLE(sis)	SLD_18_30X_100Y_ex+_ey-	
59	SLE(sis)	SLD_19_30X_100Y_ex-_ey+	
60	SLE(sis)	SLD_20_30X_100Y_ex-_ey-	
61	SLE(sis)	SLD_21_30X_-100Y_ex+_ey+	
62	SLE(sis)	SLD_22_30X_-100Y_ex+_ey-	
63	SLE(sis)	SLD_23_30X_-100Y_ex-_ey+	
64	SLE(sis)	SLD_24_30X_-100Y_ex-_ey-	
65	SLE(sis)	SLD_25_-30X_100Y_ex+_ey+	
66	SLE(sis)	SLD_26_-30X_100Y_ex+_ey-	
67	SLE(sis)	SLD_27_-30X_100Y_ex-_ey+	
68	SLE(sis)	SLD_28_-30X_100Y_ex-_ey-	
69	SLE(sis)	SLD_29_-30X_-100Y_ex+_ey+	
70	SLE(sis)	SLD_30_-30X_-100Y_ex+_ey-	
71	SLE(sis)	SLD_31_-30X_-100Y_ex-_ey+	
72	SLE(sis)	SLD_32_-30X_-100Y_ex-_ey-	

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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.30	1.50	0.0	0.0	0.0
2	1.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.30	0.0	1.50	0.0	0.0
3	1.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.30	0.0	0.0	1.50	0.0

Cmb	CDC 1/15...	CDC 2/16...	CDC 3/17...	CDC 4/18...	CDC 5/19...	CDC 6/20...	CDC 7/21...	CDC 8/22...	CDC 9/23...	CDC 10/24...	CDC 11/25...	CDC 12/26...	CDC 13/27...	CDC 14/28...
4	1.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.30	0.0	0.0	0.0	1.50
5	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	1.00	0.0	0.0	0.0
6	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	1.00	0.0	0.0
7	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	1.00	0.0
8	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	1.00
9	1.00	1.00	0.0	0.30	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0
10	1.00	1.00	0.0	0.0	0.30	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0
11	1.00	0.0	1.00	0.30	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0
12	1.00	0.0	1.00	0.0	0.30	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0
13	1.00	1.00	0.0	-0.30	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0
14	1.00	1.00	0.0	0.0	-0.30	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0
15	1.00	0.0	1.00	-0.30	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0
16	1.00	0.0	1.00	0.0	-0.30	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0
17	1.00	-1.00	0.0	0.30	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0
18	1.00	-1.00	0.0	0.0	0.30	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0
19	1.00	0.0	-1.00	0.30	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0
20	1.00	0.0	-1.00	0.0	0.30	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0
21	1.00	-1.00	0.0	-0.30	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0
22	1.00	-1.00	0.0	0.0	-0.30	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0
23	1.00	0.0	-1.00	-0.30	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0
24	1.00	0.0	-1.00	0.0	-0.30	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0
25	1.00	0.30	0.0	1.00	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0
26	1.00	0.30	0.0	0.0	1.00	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0
27	1.00	0.0	0.30	1.00	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0
28	1.00	0.0	0.30	0.0	1.00	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0
29	1.00	0.30	0.0	-1.00	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0
30	1.00	0.30	0.0	0.0	-1.00	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0
31	1.00	0.0	0.30	-1.00	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0
32	1.00	0.0	0.30	0.0	-1.00	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0
33	1.00	-0.30	0.0	1.00	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0
34	1.00	-0.30	0.0	0.0	1.00	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0
35	1.00	0.0	-0.30	1.00	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0
36	1.00	0.0	-0.30	0.0	1.00	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0
37	1.00	-0.30	0.0	-1.00	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0
38	1.00	-0.30	0.0	0.0	-1.00	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0
39	1.00	0.0	-0.30	-1.00	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0
40	1.00	0.0	-0.30	0.0	-1.00	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0
41	1.00	0.0	0.0	0.0	0.0	1.00	0.0	0.30	0.0	1.00	0.0	0.0	0.0	0.0
42	1.00	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.30	1.00	0.0	0.0	0.0	0.0
43	1.00	0.0	0.0	0.0	0.0	0.0	1.00	0.30	0.0	1.00	0.0	0.0	0.0	0.0
44	1.00	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.30	1.00	0.0	0.0	0.0	0.0
45	1.00	0.0	0.0	0.0	0.0	1.00	0.0	-0.30	0.0	1.00	0.0	0.0	0.0	0.0
46	1.00	0.0	0.0	0.0	0.0	1.00	0.0	0.0	-0.30	1.00	0.0	0.0	0.0	0.0
47	1.00	0.0	0.0	0.0	0.0	0.0	1.00	-0.30	0.0	1.00	0.0	0.0	0.0	0.0
48	1.00	0.0	0.0	0.0	0.0	0.0	1.00	0.0	-0.30	1.00	0.0	0.0	0.0	0.0
49	1.00	0.0	0.0	0.0	0.0	-1.00	0.0	0.30	0.0	1.00	0.0	0.0	0.0	0.0
50	1.00	0.0	0.0	0.0	0.0	-1.00	0.0	0.0	0.30	1.00	0.0	0.0	0.0	0.0
51	1.00	0.0	0.0	0.0	0.0	0.0	-1.00	0.30	0.0	1.00	0.0	0.0	0.0	0.0
52	1.00	0.0	0.0	0.0	0.0	0.0	-1.00	0.0	0.30	1.00	0.0	0.0	0.0	0.0
53	1.00	0.0	0.0	0.0	0.0	-1.00	0.0	-0.30	0.0	1.00	0.0	0.0	0.0	0.0
54	1.00	0.0	0.0	0.0	0.0	-1.00	0.0	0.0	-0.30	1.00	0.0	0.0	0.0	0.0
55	1.00	0.0	0.0	0.0	0.0	0.0	-1.00	-0.30	0.0	1.00	0.0	0.0	0.0	0.0

Cmb	CDC 1/15...	CDC 2/16...	CDC 3/17...	CDC 4/18...	CDC 5/19...	CDC 6/20...	CDC 7/21...	CDC 8/22...	CDC 9/23...	CDC 10/24...	CDC 11/25...	CDC 12/26...	CDC 13/27...	CDC 14/28...
56	1.00	0.0	0.0	0.0	0.0	0.0	-1.00	0.0	-0.30	1.00	0.0	0.0	0.0	0.0
57	1.00	0.0	0.0	0.0	0.0	0.30	0.0	1.00	0.0	1.00	0.0	0.0	0.0	0.0
58	1.00	0.0	0.0	0.0	0.0	0.30	0.0	0.0	1.00	1.00	0.0	0.0	0.0	0.0
59	1.00	0.0	0.0	0.0	0.0	0.0	0.30	1.00	0.0	1.00	0.0	0.0	0.0	0.0
60	1.00	0.0	0.0	0.0	0.0	0.0	0.30	0.0	1.00	1.00	0.0	0.0	0.0	0.0
61	1.00	0.0	0.0	0.0	0.0	0.30	0.0	-1.00	0.0	1.00	0.0	0.0	0.0	0.0
62	1.00	0.0	0.0	0.0	0.0	0.30	0.0	0.0	-1.00	1.00	0.0	0.0	0.0	0.0
63	1.00	0.0	0.0	0.0	0.0	0.0	0.30	-1.00	0.0	1.00	0.0	0.0	0.0	0.0
64	1.00	0.0	0.0	0.0	0.0	0.0	0.30	0.0	-1.00	1.00	0.0	0.0	0.0	0.0
65	1.00	0.0	0.0	0.0	0.0	-0.30	0.0	1.00	0.0	1.00	0.0	0.0	0.0	0.0
66	1.00	0.0	0.0	0.0	0.0	-0.30	0.0	0.0	1.00	1.00	0.0	0.0	0.0	0.0
67	1.00	0.0	0.0	0.0	0.0	0.0	-0.30	1.00	0.0	1.00	0.0	0.0	0.0	0.0
68	1.00	0.0	0.0	0.0	0.0	0.0	-0.30	0.0	1.00	1.00	0.0	0.0	0.0	0.0
69	1.00	0.0	0.0	0.0	0.0	-0.30	0.0	-1.00	0.0	1.00	0.0	0.0	0.0	0.0
70	1.00	0.0	0.0	0.0	0.0	-0.30	0.0	0.0	-1.00	1.00	0.0	0.0	0.0	0.0
71	1.00	0.0	0.0	0.0	0.0	0.0	-0.30	-1.00	0.0	1.00	0.0	0.0	0.0	0.0
72	1.00	0.0	0.0	0.0	0.0	0.0	-0.30	0.0	-1.00	1.00	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
III	50.0	1.5	75.0	C	T1

Individuati su reticolo di riferimento i parametri di pericolosità sismica si valutano i parametri spettrali riportati in tabella:
S è il coefficiente che tiene conto della categoria di sottosuolo e delle condizioni topografiche mediante la relazione seguente S = Ss*St (3.2.3)
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.

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

$$0 \le T < T_B \qquad S_e(T) = a_g \cdot S \cdot \eta \cdot F_o \cdot \left[\frac{T}{T_B} + \frac{1}{\eta \cdot F_o}\left(1 - \frac{T}{T_B}\right)\right]$$

$$T_B \le T < T_C \qquad S_e(T) = a_g \cdot S \cdot \eta \cdot F_o$$

$$T_C \le T < T_D \qquad S_e(T) = a_g \cdot S \cdot \eta \cdot F_o \cdot \left(\frac{T_C}{T}\right)$$

$$T_D \le T \qquad S_e(T) = a_g \cdot S \cdot \eta \cdot F_o \cdot \left(\frac{T_C \cdot T_D}{T^2}\right)$$

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

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

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

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

Lo spettro di risposta elastico in accelerazione della componente verticale del moto sismico, Sve, è definito dalle espressioni:

$0 \le T < T_B \qquad S_{ve}(T) = a_g \cdot S \cdot \eta \cdot F_v \cdot \left[\frac{T}{T_B} + \frac{1}{\eta \cdot F_o}\left(1 - \frac{T}{T_B}\right)\right]$

$T_B \le T < T_C \qquad S_{ve}(T) = a_g \cdot S \cdot \eta \cdot F_v$

$T_C \le T < T_D \qquad S_{ve}(T) = a_g \cdot S \cdot \eta \cdot F_v \cdot \left(\frac{T_C}{T}\right)$

$T_D \le T \qquad S_{ve}(T) = a_g \cdot S \cdot \eta \cdot F_v \cdot \left(\frac{T_C \cdot T_D}{T^2}\right)$

I valori di S_S, T_B, T_C e T_D, sono riportati nella seguenteTabella

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

Id nodo	Longitudine	Latitudine	Distanza
			Km
Loc.	15.110	40.188	
36099	15.060	40.174	4.636
36100	15.125	40.173	2.151
35878	15.127	40.223	4.026
35877	15.061	40.224	5.756

SL	Pver	Tr	ag	Fo	T*c
		Anni	g		sec
SLO	81.0	45.2	0.035	2.456	0.311
SLD	63.0	75.4	0.042	2.517	0.364
SLV	10.0	711.8	0.090	2.726	0.519
SLC	5.0	1462.2	0.108	2.839	0.543

SL	ag	S	Fo	Fv	Tb	Tc	Td
	g				sec	sec	sec
SLO	0.035	1.500	2.456	0.618	0.160	0.480	1.739
SLD	0.042	1.500	2.517	0.698	0.178	0.533	1.769
SLV	0.090	1.500	2.726	1.103	0.226	0.677	1.960
SLC	0.108	1.500	2.839	1.262	0.232	0.697	2.034

Modo	Frequenza	Periodo	X M efficace x g	%	Y M efficace x g	%	Z M efficace x g	%	RZ M efficace x g	%
	1/sec	sec	daN		daN		daN		daN m2	
1	21.13	0.05	0.0	0	739.4	99	0.0	0	0.0	0
2	23.09	0.04	732.1	98	0.0	0	6.9	0	0.0	0
3	61.47	0.02	7.0	0	0.0	0	734.8	98	0.0	0
4	194.60	5.14e-03	0.0	0	1.84e-02	0	0.0	0	7.64e-03	99
5	267.93	3.73e-03	1.39e-02	0	1.59e-05	0	1.1	0	0.0	0
6	385.04	2.60e-03	0.0	0	2.7	0	1.63e-06	0	3.71e-05	0

RISULTATI ANALISI SISMICHE

LEGENDA TABELLA ANALISI SISMICHE

Il programma consente l'analisi di diverse configurazioni sismiche.

Sono previsti, infatti, i seguenti casi di carico:
9. Esk caso di carico sismico con analisi statica equivalente
10. Edkcaso 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 q	Fattore di struttura/di comportamento. Dipendente dalla tipologia strutturale
Amplificazione ND	Coefficiente di amplificazione q/qND delle azioni sismiche (solo per elementi progettati in campo non dissipativo)
Fattore di sito S	Fattore dipendente dalla stratigrafia e dal profilo topografico
Classe di duttilità CD	Classe di duttilità della struttura – "A" duttilità alta, "B" duttilità bassa
Fattore 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
N°di modi considerati	Numero di modi di vibrare della struttura considerati nell'analisi dinamica

Nel caso di elementi progettati in campo non dissipativo vengono adottate le sollecitazioni calcolate con un fattore qND ricavato come da 7.3.2 in funzione del fattore di comportamento q utilizzato per la struttura: 1<qND=2/3*q < 1.5
Il coefficiente di amplificazione delle azioni sismiche rispetto alle azioni calcolate con il fattore di comportamento globale viene indicato nelle relative tabelle.

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

a) analisi sismica statica equivalente:
   - quota, posizione del centro di applicazione e azione orizzontale risultante, posizione del baricentro delle rigidezze, rapporto r/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 la circolare n.7/2019 del C.S.LL.PP nelle combinazioni in SLC come previsto dal DM 17-01-2018. Per ogni combinazione è riportato il codice di verifica ed i valori utilizzati per la verifica: spostamento dE, area ridotta e dimensione A2, azione verticale, deformazioni di taglio dell'elastomero e tensioni nell'acciaio.
In particolare la tabella, per ogni combinazione di calcolo, riporta:

Nodo	Nodo di appoggio dell' isolatore
Cmb	Combinazione oggetto della verifica
Verif.	Codice di verifica ok – verifica positiva , NV – verifica negativa, ND – verifica non completata
dE	Spostamento relativo tra le due facce combinato con la regola del 30%
Ang fi	Angolo utilizzato per il calcolo dell' area ridotta 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

CDC	Tipo	Sigla Id	Note
2	Edk	CDC=Ed (dinamico SLU) alfa=0.0 (ecc. +)	
			categoria suolo: C
			fattore di sito S = 1.500
			ordinata spettro (tratto Tb-Tc) = 0.368 g
			angolo di ingresso:0.0
			eccentricità aggiuntiva: positiva
			periodo proprio T1: 0.043 s
			fattore q: 1.000
			amplificazione ND (non dissipativi): 1.000
			fattore per spost. mu d: 1.000
			classe di duttilità CD: ND
			numero di modi considerati: 20
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
m	daN	m	m	m	m	m	m			
2.40	742.95	0.40	6.78e-06	0.0	-0.04	0.40	0.0	1.979	0.0	1.4985e-05
Risulta	742.95									

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	21.135	0.047	0.184	0.04	6.01e-03	739.31	99.5	2.80e-04	3.77e-05	0.0	0.0
2	23.091	0.043	0.179	732.11	98.5	0.04	6.05e-03	6.88	0.9	0.0	0.0
3	61.470	0.016	0.152	6.97	0.9	1.48e-05	2.00e-06	734.79	98.9	0.0	0.0
4	196.106	0.005	0.140	8.70e-04	1.17e-04	0.02	2.33e-03	1.14e-03	1.53e-04	0.0	0.0
5	267.930	0.004	0.139	0.01	1.87e-03	1.63e-05	2.20e-06	1.13	0.2	0.0	0.0
6	385.055	0.003	0.138	3.87e-06	0.0	2.73	0.4	5.75e-06	0.0	0.0	0.0
7	491.056	0.002	0.137	3.81	0.5	1.82e-06	0.0	0.13	1.81e-02	0.0	0.0
8	815.089	0.001	0.136	1.39e-06	0.0	1.44e-04	1.93e-05	9.49e-03	1.28e-03	0.0	0.0

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
9	825.584	0.001	0.136	0.0	0.0	0.85	0.1	1.40e-06	0.0	0.0	0.0
10	1.4704e+03	6.8009e-04	0.136	0.0	0.0	0.0	0.0	3.77e-06	0.0	0.0	0.0
11	1.6622e+03	6.0161e-04	0.135	0.0	0.0	3.43e-04	4.62e-05	0.0	0.0	0.0	0.0
12	1.6779e+03	5.9597e-04	0.135	1.81e-05	2.43e-06	4.98e-06	0.0	0.0	0.0	0.0	0.0
13	1.8028e+03	5.5470e-04	0.135	4.94e-05	6.64e-06	0.0	0.0	0.0	0.0	0.0	0.0
14	1.9649e+03	5.0893e-04	0.135	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	2.0010e+03	4.9974e-04	0.135	1.95e-05	2.63e-06	0.0	0.0	1.95e-06	0.0	0.0	0.0
16	2.0137e+03	4.9660e-04	0.135	1.70e-03	2.29e-04	0.0	0.0	5.26e-05	7.08e-06	0.0	0.0
17	2.1152e+03	4.7277e-04	0.135	0.0	0.0	0.0	0.0	3.28e-04	4.41e-05	0.0	0.0
18	2.1328e+03	4.6887e-04	0.135	0.0	0.0	2.48e-06	0.0	0.0	0.0	0.0	0.0
19	2.1331e+03	4.6880e-04	0.135	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	2.6368e+03	3.7924e-04	0.135	0.0	0.0	4.85e-06	0.0	0.0	0.0	0.0	0.0
Risulta				742.95		742.95		742.95			
In percentuale				100.00		100.00		100.00			

CDC	Tipo	Sigla Id	Note
3	Edk	CDC=Ed (dinamico SLU) alfa=0.0 (ecc. -)	
			categoria suolo: C
			fattore di sito S = 1.500
			ordinata spettro (tratto Tb-Tc) = 0.368 g
			angolo di ingresso:0.0
			eccentricità aggiuntiva: negativa
			periodo proprio T1: 0.043 s
			fattore q: 1.000
			amplificazione ND (non dissipativi): 1.000
			fattore per spost. mu d: 1.000
			classe di duttilità CD: ND
			numero di modi considerati: 20
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
m	daN	m	m	m	m	m	m			
2.40	742.95	0.40	6.78e-06	0.0	0.04	0.40	0.0	1.979	0.0	1.4985e-05
Risulta	742.95									

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	21.135	0.047	0.184	0.04	5.98e-03	739.31	99.5	2.74e-04	3.69e-05	0.0	0.0
2	23.091	0.043	0.179	732.11	98.5	0.04	6.03e-03	6.88	0.9	0.0	0.0
3	61.470	0.016	0.152	6.97	0.9	1.73e-05	2.33e-06	734.79	98.9	0.0	0.0
4	196.118	0.005	0.140	8.68e-04	1.17e-04	0.02	2.33e-03	1.11e-03	1.50e-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
5	267.930	0.004	0.139	0.01	1.87e-03	1.54e-05	2.07e-06	1.13	0.2	0.0	0.0
6	385.055	0.003	0.138	5.98e-06	0.0	2.73	0.4	0.0	0.0	0.0	0.0
7	491.056	0.002	0.137	3.81	0.5	2.14e-06	0.0	0.13	1.81e-02	0.0	0.0
8	815.089	0.001	0.136	1.37e-06	0.0	1.43e-04	1.93e-05	9.49e-03	1.28e-03	0.0	0.0
9	825.584	0.001	0.136	0.0	0.0	0.85	0.1	1.42e-06	0.0	0.0	0.0
10	1.4704e+03	6.8007e-04	0.136	0.0	0.0	0.0	0.0	3.77e-06	0.0	0.0	0.0
11	1.6621e+03	6.0164e-04	0.135	0.0	0.0	3.44e-04	4.63e-05	0.0	0.0	0.0	0.0
12	1.6788e+03	5.9565e-04	0.135	1.78e-05	2.40e-06	4.78e-06	0.0	0.0	0.0	0.0	0.0
13	1.8021e+03	5.5492e-04	0.135	5.02e-05	6.76e-06	0.0	0.0	0.0	0.0	0.0	0.0
14	1.9649e+03	5.0894e-04	0.135	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	2.0001e+03	4.9996e-04	0.135	2.43e-05	3.26e-06	0.0	0.0	1.69e-06	0.0	0.0	0.0
16	2.0136e+03	4.9661e-04	0.135	1.70e-03	2.29e-04	0.0	0.0	5.29e-05	7.11e-06	0.0	0.0
17	2.1152e+03	4.7277e-04	0.135	0.0	0.0	0.0	0.0	3.28e-04	4.41e-05	0.0	0.0
18	2.1331e+03	4.6881e-04	0.135	0.0	0.0	1.17e-06	0.0	0.0	0.0	0.0	0.0
19	2.1331e+03	4.6880e-04	0.135	0.0	0.0	1.30e-06	0.0	0.0	0.0	0.0	0.0
20	2.6375e+03	3.7915e-04	0.135	0.0	0.0	4.85e-06	0.0	0.0	0.0	0.0	0.0
Risulta				742.95		742.95		742.95			
In percentuale				100.00		100.00		100.00			

CDC	Tipo	Sigla Id	Note
4	Edk	CDC=Ed (dinamico SLU) alfa=90.00 (ecc. +)	
			categoria suolo: C
			fattore di sito S = 1.500
			ordinata spettro (tratto Tb-Tc) = 0.368 g
			angolo di ingresso:90.00
			eccentricità aggiuntiva: positiva
			periodo proprio T1: 0.047 s
			fattore q: 1.000
			amplificazione ND (non dissipativi): 1.000
			fattore per spost. mu d: 1.000
			classe di duttilità CD: ND
			numero di modi considerati: 20
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
m	daN	m	m	m	m	m	m			
2.40	742.95	0.40	6.78e-06	0.04	0.0	0.40	0.0	1.979	0.0	1.4985e-05
Risulta	742.95									

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			

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
1	21.160	0.047	0.184	0.0	0.0	739.36	99.5	0.0	0.0	0.0	0.0
2	23.093	0.043	0.179	732.15	98.5	0.0	0.0	6.89	0.9	0.0	0.0
3	61.471	0.016	0.152	6.98	0.9	0.0	0.0	734.79	98.9	0.0	0.0
4	195.982	0.005	0.140	0.0	0.0	0.01	1.72e-03	0.0	0.0	0.0	0.0
5	267.930	0.004	0.139	0.01	1.87e-03	1.59e-05	2.14e-06	1.13	0.2	0.0	0.0
6	384.885	0.003	0.138	0.0	0.0	2.73	0.4	1.63e-06	0.0	0.0	0.0
7	491.037	0.002	0.137	3.81	0.5	0.0	0.0	0.13	1.81e-02	0.0	0.0
8	815.089	0.001	0.136	1.40e-06	0.0	1.46e-04	1.96e-05	9.49e-03	1.28e-03	0.0	0.0
9	825.493	0.001	0.136	0.0	0.0	0.85	0.1	1.44e-06	0.0	0.0	0.0
10	1.4706e+03	6.7998e-04	0.136	0.0	0.0	0.0	0.0	3.86e-06	0.0	0.0	0.0
11	1.6107e+03	6.2085e-04	0.135	0.0	0.0	1.68e-04	2.27e-05	0.0	0.0	0.0	0.0
12	1.7887e+03	5.5907e-04	0.135	8.30e-05	1.12e-05	0.0	0.0	0.0	0.0	0.0	0.0
13	1.7947e+03	5.5721e-04	0.135	0.0	0.0	9.25e-05	1.25e-05	0.0	0.0	0.0	0.0
14	1.9314e+03	5.1777e-04	0.135	6.34e-05	8.54e-06	0.0	0.0	0.0	0.0	0.0	0.0
15	1.9680e+03	5.0812e-04	0.135	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	2.0135e+03	4.9665e-04	0.135	1.64e-03	2.21e-04	0.0	0.0	5.42e-05	7.30e-06	0.0	0.0
17	2.1152e+03	4.7277e-04	0.135	0.0	0.0	0.0	0.0	3.28e-04	4.42e-05	0.0	0.0
18	2.1304e+03	4.6940e-04	0.135	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	2.1475e+03	4.6566e-04	0.135	0.0	0.0	3.54e-06	0.0	0.0	0.0	0.0	0.0
20	2.5870e+03	3.8655e-04	0.135	2.84e-05	3.82e-06	0.0	0.0	0.0	0.0	0.0	0.0
Risulta				742.95		742.95		742.95			
In percentuale				100.00		100.00		100.00			

CDC	Tipo	Sigla Id	Note
5	Edk	CDC=Ed (dinamico SLU) alfa=90.00 (ecc. -)	
			categoria suolo: C
			fattore di sito S = 1.500
			ordinata spettro (tratto Tb-Tc) = 0.368 g
			angolo di ingresso:90.00
			eccentricità aggiuntiva: negativa
			periodo proprio T1: 0.047 s
			fattore q: 1.000
			amplificazione ND (non dissipativi): 1.000
			fattore per spost. mu d: 1.000
			classe di duttilità CD: ND
			numero di modi considerati: 20
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
m	daN	m	m	m	m	m	m			
2.40	742.95	0.40	6.78e-06	-0.04	0.0	0.40	0.0	1.979	0.0	1.4985e-05
Risulta	742.95									

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	21.106	0.047	0.184	0.0	0.0	739.35	99.5	0.0	0.0	0.0	0.0
2	23.093	0.043	0.179	732.15	98.5	0.0	0.0	6.89	0.9	0.0	0.0
3	61.471	0.016	0.152	6.98	0.9	0.0	0.0	734.79	98.9	0.0	0.0
4	196.202	0.005	0.140	0.0	0.0	0.02	3.04e-03	0.0	0.0	0.0	0.0
5	267.930	0.004	0.139	0.01	1.87e-03	1.58e-05	2.13e-06	1.13	0.2	0.0	0.0
6	385.247	0.003	0.138	0.0	0.0	2.72	0.4	1.62e-06	0.0	0.0	0.0
7	491.037	0.002	0.137	3.81	0.5	0.0	0.0	0.13	1.81e-02	0.0	0.0
8	815.089	0.001	0.136	1.35e-06	0.0	1.41e-04	1.90e-05	9.49e-03	1.28e-03	0.0	0.0
9	825.683	0.001	0.136	0.0	0.0	0.85	0.1	1.38e-06	0.0	0.0	0.0
10	1.4706e+03	6.7997e-04	0.136	0.0	0.0	0.0	0.0	3.71e-06	0.0	0.0	0.0
11	1.6101e+03	6.2106e-04	0.135	0.0	0.0	2.24e-04	3.02e-05	0.0	0.0	0.0	0.0
12	1.7888e+03	5.5902e-04	0.135	8.31e-05	1.12e-05	0.0	0.0	0.0	0.0	0.0	0.0
13	1.7959e+03	5.5682e-04	0.135	0.0	0.0	2.10e-04	2.83e-05	0.0	0.0	0.0	0.0
14	1.9314e+03	5.1776e-04	0.135	6.34e-05	8.53e-06	0.0	0.0	0.0	0.0	0.0	0.0
15	1.9679e+03	5.0816e-04	0.135	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	2.0135e+03	4.9665e-04	0.135	1.64e-03	2.21e-04	0.0	0.0	5.41e-05	7.29e-06	0.0	0.0
17	2.1152e+03	4.7277e-04	0.135	0.0	0.0	0.0	0.0	3.28e-04	4.42e-05	0.0	0.0
18	2.1304e+03	4.6939e-04	0.135	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	2.1477e+03	4.6562e-04	0.135	0.0	0.0	1.06e-05	1.43e-06	0.0	0.0	0.0	0.0
20	2.5862e+03	3.8667e-04	0.135	2.83e-05	3.81e-06	0.0	0.0	0.0	0.0	0.0	0.0
Risulta				742.95		742.95		742.95			
In percentuale				100.00		100.00		100.00			

CDC	Tipo	Sigla Id	Note
6	Edk	CDC=Ed (dinamico SLD) alfa=0.0 (ecc. +)	
			categoria suolo: C
			fattore di sito S = 1.500
			ordinata spettro (tratto Tb-Tc) = 0.159 g
			angolo di ingresso:0.0
			eccentricità aggiuntiva: positiva
			periodo proprio T1: 0.043 s
			numero di modi considerati: 20
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
m	daN	m	m	m	m	m	m			
2.40	742.95	0.40	6.78e-06	0.0	-0.04	0.40	0.0	1.979	0.0	1.4985e-05
Risulta	742.95									

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	21.135	0.047	0.089	0.04	6.01e-03	739.31	99.5	2.80e-04	3.77e-05	0.0	0.0
2	23.091	0.043	0.087	732.11	98.5	0.04	6.05e-03	6.88	0.9	0.0	0.0
3	61.470	0.016	0.072	6.97	0.9	1.48e-05	2.00e-06	734.79	98.9	0.0	0.0
4	196.106	0.005	0.066	8.70e-04	1.17e-04	0.02	2.33e-03	1.14e-03	1.53e-04	0.0	0.0
5	267.930	0.004	0.065	0.01	1.87e-03	1.63e-05	2.20e-06	1.13	0.2	0.0	0.0
6	385.055	0.003	0.065	3.87e-06	0.0	2.73	0.4	5.75e-06	0.0	0.0	0.0
7	491.056	0.002	0.064	3.81	0.5	1.82e-06	0.0	0.13	1.81e-02	0.0	0.0
8	815.089	0.001	0.064	1.39e-06	0.0	1.44e-04	1.93e-05	9.49e-03	1.28e-03	0.0	0.0
9	825.584	0.001	0.064	0.0	0.0	0.85	0.1	1.40e-06	0.0	0.0	0.0
10	1.4704e+03	6.8009e-04	0.064	0.0	0.0	0.0	0.0	3.77e-06	0.0	0.0	0.0
11	1.6622e+03	6.0161e-04	0.064	0.0	0.0	3.43e-04	4.62e-05	0.0	0.0	0.0	0.0
12	1.6779e+03	5.9597e-04	0.064	1.81e-05	2.43e-06	4.98e-06	0.0	0.0	0.0	0.0	0.0
13	1.8028e+03	5.5470e-04	0.064	4.94e-05	6.64e-06	0.0	0.0	0.0	0.0	0.0	0.0
14	1.9649e+03	5.0893e-04	0.064	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	2.0010e+03	4.9974e-04	0.064	1.95e-05	2.63e-06	0.0	0.0	1.95e-06	0.0	0.0	0.0
16	2.0137e+03	4.9660e-04	0.064	1.70e-03	2.29e-04	0.0	0.0	5.26e-05	7.08e-06	0.0	0.0
17	2.1152e+03	4.7277e-04	0.064	0.0	0.0	0.0	0.0	3.28e-04	4.41e-05	0.0	0.0
18	2.1328e+03	4.6887e-04	0.064	0.0	0.0	2.48e-06	0.0	0.0	0.0	0.0	0.0
19	2.1331e+03	4.6880e-04	0.064	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	2.6368e+03	3.7924e-04	0.064	0.0	0.0	4.85e-06	0.0	0.0	0.0	0.0	0.0
Risulta				742.95		742.95		742.95			
In percentuale				100.00		100.00		100.00			

CDC	Tipo	Sigla Id	Note
7	Edk	CDC=Ed (dinamico SLD) alfa=0.0 (ecc. -)	
			categoria suolo: C
			fattore di sito S = 1.500
			ordinata spettro (tratto Tb-Tc) = 0.159 g
			angolo di ingresso:0.0
			eccentricità aggiuntiva: negativa
			periodo proprio T1: 0.043 s
			numero di modi considerati: 20
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
m	daN	m	m	m	m	m	m			
2.40	742.95	0.40	6.78e-06	0.0	0.04	0.40	0.0	1.979	0.0	1.4985e-05
Risulta	742.95									

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	21.135	0.047	0.089	0.04	5.98e-03	739.31	99.5	2.74e-04	3.69e-05	0.0	0.0
2	23.091	0.043	0.087	732.11	98.5	0.04	6.03e-03	6.88	0.9	0.0	0.0
3	61.470	0.016	0.072	6.97	0.9	1.73e-05	2.33e-06	734.79	98.9	0.0	0.0
4	196.118	0.005	0.066	8.68e-04	1.17e-04	0.02	2.33e-03	1.11e-03	1.50e-04	0.0	0.0
5	267.930	0.004	0.065	0.01	1.87e-03	1.54e-05	2.07e-06	1.13	0.2	0.0	0.0
6	385.055	0.003	0.065	5.98e-06	0.0	2.73	0.4	0.0	0.0	0.0	0.0
7	491.056	0.002	0.064	3.81	0.5	2.14e-06	0.0	0.13	1.81e-02	0.0	0.0
8	815.089	0.001	0.064	1.37e-06	0.0	1.43e-04	1.93e-05	9.49e-03	1.28e-03	0.0	0.0
9	825.584	0.001	0.064	0.0	0.0	0.85	0.1	1.42e-06	0.0	0.0	0.0
10	1.4704e+03	6.8007e-04	0.064	0.0	0.0	0.0	0.0	3.77e-06	0.0	0.0	0.0
11	1.6621e+03	6.0164e-04	0.064	0.0	0.0	3.44e-04	4.63e-05	0.0	0.0	0.0	0.0
12	1.6788e+03	5.9565e-04	0.064	1.78e-05	2.40e-06	4.78e-06	0.0	0.0	0.0	0.0	0.0
13	1.8021e+03	5.5492e-04	0.064	5.02e-05	6.76e-06	0.0	0.0	0.0	0.0	0.0	0.0
14	1.9649e+03	5.0894e-04	0.064	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	2.0001e+03	4.9996e-04	0.064	2.43e-05	3.26e-06	0.0	0.0	1.69e-06	0.0	0.0	0.0
16	2.0136e+03	4.9661e-04	0.064	1.70e-03	2.29e-04	0.0	0.0	5.29e-05	7.11e-06	0.0	0.0
17	2.1152e+03	4.7277e-04	0.064	0.0	0.0	0.0	0.0	3.28e-04	4.41e-05	0.0	0.0
18	2.1331e+03	4.6881e-04	0.064	0.0	0.0	1.17e-06	0.0	0.0	0.0	0.0	0.0
19	2.1331e+03	4.6880e-04	0.064	0.0	0.0	1.30e-06	0.0	0.0	0.0	0.0	0.0
20	2.6375e+03	3.7915e-04	0.064	0.0	0.0	4.85e-06	0.0	0.0	0.0	0.0	0.0
Risulta				742.95		742.95		742.95			
In percentuale				100.00		100.00		100.00			

CDC	Tipo	Sigla Id	Note
8	Edk	CDC=Ed (dinamico SLD) alfa=90.00 (ecc. +)	
			categoria suolo: C
			fattore di sito S = 1.500
			ordinata spettro (tratto Tb-Tc) = 0.159 g
			angolo di ingresso:90.00
			eccentricità aggiuntiva: positiva
			periodo proprio T1: 0.047 s
			numero di modi considerati: 20
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
m	daN	m	m	m	m	m	m			
2.40	742.95	0.40	6.78e-06	0.04	0.0	0.40	0.0	1.979	0.0	1.4985e-05
Risulta	742.95									

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	21.160	0.047	0.089	0.0	0.0	739.36	99.5	0.0	0.0	0.0	0.0
2	23.093	0.043	0.087	732.15	98.5	0.0	0.0	6.89	0.9	0.0	0.0
3	61.471	0.016	0.072	6.98	0.9	0.0	0.0	734.79	98.9	0.0	0.0
4	195.982	0.005	0.066	0.0	0.0	0.01	1.72e-03	0.0	0.0	0.0	0.0
5	267.930	0.004	0.065	0.01	1.87e-03	1.59e-05	2.14e-06	1.13	0.2	0.0	0.0
6	384.885	0.003	0.065	0.0	0.0	2.73	0.4	1.63e-06	0.0	0.0	0.0
7	491.037	0.002	0.064	3.81	0.5	0.0	0.0	0.13	1.81e-02	0.0	0.0
8	815.089	0.001	0.064	1.40e-06	0.0	1.46e-04	1.96e-05	9.49e-03	1.28e-03	0.0	0.0
9	825.493	0.001	0.064	0.0	0.0	0.85	0.1	1.44e-06	0.0	0.0	0.0
10	1.4706e+03	6.7998e-04	0.064	0.0	0.0	0.0	0.0	3.86e-06	0.0	0.0	0.0
11	1.6107e+03	6.2085e-04	0.064	0.0	0.0	1.68e-04	2.27e-05	0.0	0.0	0.0	0.0
12	1.7887e+03	5.5907e-04	0.064	8.30e-05	1.12e-05	0.0	0.0	0.0	0.0	0.0	0.0
13	1.7947e+03	5.5721e-04	0.064	0.0	0.0	9.25e-05	1.25e-05	0.0	0.0	0.0	0.0
14	1.9314e+03	5.1777e-04	0.064	6.34e-05	8.54e-06	0.0	0.0	0.0	0.0	0.0	0.0
15	1.9680e+03	5.0812e-04	0.064	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	2.0135e+03	4.9665e-04	0.064	1.64e-03	2.21e-04	0.0	0.0	5.42e-05	7.30e-06	0.0	0.0
17	2.1152e+03	4.7277e-04	0.064	0.0	0.0	0.0	0.0	3.28e-04	4.42e-05	0.0	0.0
18	2.1304e+03	4.6940e-04	0.064	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	2.1475e+03	4.6566e-04	0.064	0.0	0.0	3.54e-06	0.0	0.0	0.0	0.0	0.0
20	2.5870e+03	3.8655e-04	0.064	2.84e-05	3.82e-06	0.0	0.0	0.0	0.0	0.0	0.0
Risulta				742.95		742.95		742.95			
In percentuale				100.00		100.00		100.00			

CDC	Tipo	Sigla Id	Note
9	Edk	CDC=Ed (dinamico SLD) alfa=90.00 (ecc. -)	
			categoria suolo: C
			fattore di sito S = 1.500
			ordinata spettro (tratto Tb-Tc) = 0.159 g
			angolo di ingresso:90.00
			eccentricità aggiuntiva: negativa
			periodo proprio T1: 0.047 s
			numero di modi considerati: 20
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
m	daN	m	m	m	m	m	m			
2.40	742.95	0.40	6.78e-06	-0.04	0.0	0.40	0.0	1.979	0.0	1.4985e-05
Risulta	742.95									

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	21.106	0.047	0.089	0.0	0.0	739.35	99.5	0.0	0.0	0.0	0.0
2	23.093	0.043	0.087	732.15	98.5	0.0	0.0	6.89	0.9	0.0	0.0
3	61.471	0.016	0.072	6.98	0.9	0.0	0.0	734.79	98.9	0.0	0.0
4	196.202	0.005	0.066	0.0	0.0	0.02	3.04e-03	0.0	0.0	0.0	0.0
5	267.930	0.004	0.065	0.01	1.87e-03	1.58e-05	2.13e-06	1.13	0.2	0.0	0.0
6	385.247	0.003	0.065	0.0	0.0	2.72	0.4	1.62e-06	0.0	0.0	0.0
7	491.037	0.002	0.064	3.81	0.5	0.0	0.0	0.13	1.81e-02	0.0	0.0
8	815.089	0.001	0.064	1.35e-06	0.0	1.41e-04	1.90e-05	9.49e-03	1.28e-03	0.0	0.0
9	825.683	0.001	0.064	0.0	0.0	0.85	0.1	1.38e-06	0.0	0.0	0.0
10	1.4706e+03	6.7997e-04	0.064	0.0	0.0	0.0	0.0	3.71e-06	0.0	0.0	0.0
11	1.6101e+03	6.2106e-04	0.064	0.0	0.0	2.24e-04	3.02e-05	0.0	0.0	0.0	0.0
12	1.7888e+03	5.5902e-04	0.064	8.31e-05	1.12e-05	0.0	0.0	0.0	0.0	0.0	0.0
13	1.7959e+03	5.5682e-04	0.064	0.0	0.0	2.10e-04	2.83e-05	0.0	0.0	0.0	0.0
14	1.9314e+03	5.1776e-04	0.064	6.34e-05	8.53e-06	0.0	0.0	0.0	0.0	0.0	0.0
15	1.9679e+03	5.0816e-04	0.064	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	2.0135e+03	4.9665e-04	0.064	1.64e-03	2.21e-04	0.0	0.0	5.41e-05	7.29e-06	0.0	0.0
17	2.1152e+03	4.7277e-04	0.064	0.0	0.0	0.0	0.0	3.28e-04	4.42e-05	0.0	0.0
18	2.1304e+03	4.6939e-04	0.064	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	2.1477e+03	4.6562e-04	0.064	0.0	0.0	1.06e-05	1.43e-06	0.0	0.0	0.0	0.0
20	2.5862e+03	3.8667e-04	0.064	2.83e-05	3.81e-06	0.0	0.0	0.0	0.0	0.0	0.0
Risulta				742.95		742.95		742.95			
In percentuale				100.00		100.00		100.00			

RISULTATI NODALI

LEGENDA RISULTATI NODALI

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

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

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

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

Nodo	Cmb	Traslazione X	Traslazione Y	Traslazione Z	Rotazione X	Rotazione Y	Rotazione Z
		cm	cm	cm			
1	2	-0.02	-9.38e-06	-0.19	-1.93e-05	-4.57e-04	0.0
1	4	3.83e-03	-0.03	-0.19	2.18e-04	-2.78e-04	0.0
1	6	-0.01	-6.28e-06	-0.14	-1.42e-05	-3.33e-04	0.0
1	8	2.56e-03	-0.02	-0.14	1.44e-04	-2.14e-04	0.0
1	14	-2.22e-03	8.58e-04	-0.13	-1.90e-05	-2.38e-04	0.0
1	26	-1.77e-04	-2.67e-03	-0.13	1.73e-05	-2.23e-04	0.0
1	28	-1.50e-04	-2.70e-03	-0.13	1.73e-05	-2.23e-04	0.0
1	46	-1.07e-03	4.15e-04	-0.13	-1.44e-05	-2.27e-04	0.0
1	58	-8.52e-05	-1.29e-03	-0.13	3.19e-06	-2.20e-04	0.0
1	60	-7.21e-05	-1.31e-03	-0.13	3.17e-06	-2.20e-04	0.0
2	2	-0.02	9.39e-06	-0.19	1.93e-05	-4.57e-04	0.0
2	3	3.83e-03	0.03	-0.19	-2.18e-04	-2.78e-04	0.0
2	6	-0.01	6.29e-06	-0.14	1.42e-05	-3.33e-04	0.0
2	7	2.56e-03	0.02	-0.14	-1.44e-04	-2.14e-04	0.0
2	12	-2.22e-03	-8.58e-04	-0.13	1.90e-05	-2.38e-04	0.0
2	30	-1.50e-04	2.70e-03	-0.13	-1.73e-05	-2.23e-04	0.0
2	32	-1.77e-04	2.67e-03	-0.13	-1.73e-05	-2.23e-04	0.0
2	44	-1.07e-03	-4.15e-04	-0.13	1.44e-05	-2.27e-04	0.0
2	62	-7.21e-05	1.31e-03	-0.13	-3.17e-06	-2.20e-04	0.0
2	64	-8.52e-05	1.29e-03	-0.13	-3.20e-06	-2.20e-04	0.0
3	2	-0.15	-3.58e-06	-0.13	8.92e-06	-5.29e-04	0.0
3	3	-0.08	0.09	-0.11	-2.71e-04	-3.04e-04	-3.08e-05
3	4	-0.07	-0.09	-0.14	2.92e-04	-3.04e-04	3.08e-05
3	6	-0.11	-2.41e-06	-0.10	6.93e-06	-3.84e-04	0.0
3	7	-0.06	0.06	-0.09	-1.80e-04	-2.34e-04	-2.06e-05
3	8	-0.06	-0.06	-0.10	1.95e-04	-2.34e-04	2.06e-05
3	14	-0.07	3.12e-03	-0.10	-2.01e-06	-2.59e-04	-1.49e-06
3	26	-0.06	-0.01	-0.10	3.94e-05	-2.42e-04	3.61e-06
3	34	-0.06	-0.01	-0.10	3.93e-05	-2.27e-04	3.83e-06
3	46	-0.06	1.51e-03	-0.10	2.83e-06	-2.46e-04	0.0

3	58	-0.06	-4.92e-03	-0.10	2.29e-05	-2.38e-04	1.75e-06
3	66	-0.06	-4.94e-03	-0.10	2.28e-05	-2.30e-04	1.86e-06
4	2	-0.15	0.0	-0.12	-2.67e-05	-5.33e-04	0.0
4	3	-0.08	0.09	-0.11	-3.06e-04	-3.09e-04	-3.07e-05
4	4	-0.08	-0.09	-0.13	2.52e-04	-3.09e-04	3.13e-05
4	6	-0.11	0.0	-0.09	-2.06e-05	-3.87e-04	0.0
4	7	-0.06	0.06	-0.08	-2.06e-04	-2.38e-04	-2.05e-05
4	8	-0.06	-0.06	-0.10	1.66e-04	-2.38e-04	2.09e-05
4	14	-0.07	3.09e-03	-0.09	-2.99e-05	-2.63e-04	-1.55e-06
4	34	-0.06	-0.01	-0.09	1.16e-05	-2.30e-04	3.85e-06
4	36	-0.06	-0.01	-0.09	1.16e-05	-2.30e-04	3.59e-06
4	46	-0.06	1.50e-03	-0.09	-2.51e-05	-2.50e-04	0.0
4	66	-0.06	-4.88e-03	-0.09	-5.02e-06	-2.34e-04	1.85e-06
4	68	-0.06	-4.89e-03	-0.09	-5.03e-06	-2.34e-04	1.72e-06
5	1	0.02	1.46e-05	-0.12	7.58e-06	-1.25e-04	-6.64e-06
5	3	8.87e-04	0.02	-0.12	-2.36e-04	-3.15e-04	-2.50e-05
5	5	0.01	9.90e-06	-0.09	5.53e-06	-1.15e-04	-4.47e-06
5	7	5.91e-04	0.01	-0.09	-1.57e-04	-2.42e-04	-1.67e-05
5	24	2.09e-03	6.57e-04	-0.09	-4.49e-06	-2.18e-04	-1.74e-06
5	32	-5.14e-04	2.13e-03	-0.09	-2.52e-05	-2.46e-04	-3.78e-06
5	40	7.20e-04	2.14e-03	-0.09	-2.49e-05	-2.33e-04	-4.00e-06
5	56	1.01e-03	3.19e-04	-0.09	0.0	-2.29e-04	0.0
5	64	-2.48e-04	1.03e-03	-0.09	-1.03e-05	-2.43e-04	-1.97e-06
5	72	3.48e-04	1.04e-03	-0.09	-1.02e-05	-2.36e-04	-2.08e-06
6	2	-0.03	-4.32e-05	-0.12	1.52e-05	-5.11e-04	5.74e-06
6	3	-6.70e-03	0.03	-0.12	-2.57e-04	-2.94e-04	-2.28e-05
6	4	-8.51e-03	-0.03	-0.11	2.60e-04	-3.20e-04	2.37e-05
6	6	-0.02	-2.77e-05	-0.09	1.03e-05	-3.72e-04	3.71e-06
6	7	-5.25e-03	0.02	-0.10	-1.71e-04	-2.28e-04	-1.53e-05
6	8	-6.45e-03	-0.02	-0.09	1.74e-04	-2.45e-04	1.57e-05
6	12	-8.53e-03	-8.80e-04	-0.09	1.14e-05	-2.61e-04	0.0
6	32	-6.55e-03	2.89e-03	-0.09	-3.01e-05	-2.43e-04	-4.49e-06
6	40	-4.97e-03	2.91e-03	-0.09	-3.03e-05	-2.28e-04	-4.78e-06
6	44	-7.15e-03	-4.21e-04	-0.09	6.30e-06	-2.48e-04	0.0
6	64	-6.20e-03	1.40e-03	-0.09	-1.38e-05	-2.40e-04	-2.63e-06
6	72	-5.43e-03	1.41e-03	-0.09	-1.39e-05	-2.32e-04	-2.77e-06
7	2	-0.03	6.67e-05	-0.13	2.00e-06	-4.96e-04	1.35e-06
7	3	-6.39e-03	0.03	-0.14	-2.66e-04	-3.06e-04	-3.21e-05
7	4	-8.83e-03	-0.03	-0.12	2.72e-04	-3.03e-04	3.21e-05
7	6	-0.02	4.80e-05	-0.10	1.61e-06	-3.62e-04	0.0
7	7	-5.04e-03	0.02	-0.10	-1.77e-04	-2.35e-04	-2.14e-05
7	8	-6.67e-03	-0.02	-0.09	1.82e-04	-2.33e-04	2.14e-05
7	12	-8.55e-03	-8.92e-04	-0.10	1.20e-05	-2.59e-04	1.55e-06
7	32	-6.50e-03	3.02e-03	-0.10	-3.02e-05	-2.41e-04	-3.72e-06
7	40	-4.92e-03	3.03e-03	-0.10	-3.03e-05	-2.27e-04	-3.96e-06
7	44	-7.15e-03	-4.18e-04	-0.10	6.86e-06	-2.46e-04	0.0
7	64	-6.17e-03	1.47e-03	-0.10	-1.35e-05	-2.38e-04	-1.80e-06
7	72	-5.40e-03	1.48e-03	-0.10	-1.36e-05	-2.31e-04	-1.91e-06
8	2	-0.02	3.36e-06	-0.13	6.61e-06	-4.95e-04	4.89e-06
8	3	1.23e-03	0.02	-0.14	-2.32e-04	-3.06e-04	-3.10e-05
8	6	-0.01	2.42e-06	-0.10	5.07e-06	-3.61e-04	3.26e-06
8	7	8.22e-04	0.01	-0.10	-1.54e-04	-2.35e-04	-2.06e-05
8	12	-2.11e-03	-6.85e-04	-0.10	1.37e-05	-2.56e-04	1.48e-06
8	30	-4.65e-04	2.24e-03	-0.10	-2.34e-05	-2.41e-04	-3.73e-06
8	32	-4.74e-04	2.23e-03	-0.10	-2.34e-05	-2.41e-04	-3.51e-06
8	44	-1.02e-03	-3.31e-04	-0.10	9.21e-06	-2.45e-04	0.0

8	62	-2.24e-04	1.09e-03	-0.10	-8.75e-06	-2.37e-04	-1.80e-06
8	64	-2.29e-04	1.08e-03	-0.10	-8.76e-06	-2.37e-04	-1.70e-06
9	2	-0.03	8.12e-05	-0.15	-1.11e-05	-5.07e-04	1.03e-05
9	4	-8.41e-03	-0.03	-0.13	2.61e-04	-2.88e-04	3.80e-05
9	6	-0.02	5.52e-05	-0.11	-7.20e-06	-3.69e-04	6.98e-06
9	8	-6.39e-03	-0.02	-0.10	1.74e-04	-2.23e-04	2.55e-05
9	12	-8.52e-03	-9.47e-04	-0.10	1.06e-05	-2.57e-04	2.27e-06
9	16	-8.46e-03	9.14e-04	-0.11	-8.62e-06	-2.57e-04	0.0
9	40	-4.95e-03	3.12e-03	-0.10	-3.03e-05	-2.25e-04	-2.71e-06
9	44	-7.14e-03	-4.54e-04	-0.10	5.91e-06	-2.44e-04	1.57e-06
9	48	-7.11e-03	4.47e-04	-0.10	-3.39e-06	-2.44e-04	0.0
9	72	-5.42e-03	1.51e-03	-0.10	-1.39e-05	-2.29e-04	0.0
10	2	-0.02	1.42e-05	-0.15	7.89e-06	-4.85e-04	6.27e-06
10	3	8.58e-04	0.02	-0.14	-2.38e-04	-2.96e-04	-3.61e-05
10	6	-0.01	9.67e-06	-0.11	5.75e-06	-3.54e-04	4.22e-06
10	7	5.72e-04	0.01	-0.11	-1.58e-04	-2.28e-04	-2.40e-05
10	12	-2.09e-03	-7.23e-04	-0.10	1.27e-05	-2.51e-04	1.74e-06
10	16	-2.03e-03	6.82e-04	-0.11	-4.64e-06	-2.51e-04	0.0
10	40	7.19e-04	2.35e-03	-0.10	-2.53e-05	-2.22e-04	-3.46e-06
10	44	-1.01e-03	-3.49e-04	-0.10	8.02e-06	-2.40e-04	0.0
10	48	-9.80e-04	3.31e-04	-0.10	0.0	-2.40e-04	0.0
10	72	3.47e-04	1.14e-03	-0.10	-1.04e-05	-2.26e-04	-1.53e-06
11	2	-0.03	0.0	-0.15	0.0	-5.15e-04	0.0
11	3	-7.63e-03	0.03	-0.14	-2.47e-04	-3.01e-04	-3.15e-05
11	6	-0.02	0.0	-0.12	0.0	-3.74e-04	0.0
11	7	-5.86e-03	0.02	-0.11	-1.64e-04	-2.32e-04	-2.10e-05
11	15	-8.47e-03	8.99e-04	-0.11	-9.23e-06	-2.57e-04	0.0
11	30	-6.62e-03	3.15e-03	-0.11	-3.16e-05	-2.39e-04	-3.75e-06
11	47	-7.10e-03	4.35e-04	-0.11	-4.47e-06	-2.44e-04	0.0
11	62	-6.21e-03	1.53e-03	-0.11	-1.53e-05	-2.35e-04	-1.81e-06
12	2	-0.02	0.0	-0.15	0.0	-4.80e-04	0.0
12	4	-4.22e-06	-0.02	-0.14	2.46e-04	-2.95e-04	3.53e-05
12	6	-0.01	0.0	-0.12	0.0	-3.50e-04	0.0
12	8	-3.07e-06	-0.02	-0.11	1.64e-04	-2.27e-04	2.35e-05
12	15	-2.05e-03	6.72e-04	-0.11	-8.98e-06	-2.49e-04	0.0
12	28	-6.16e-04	-2.39e-03	-0.11	2.92e-05	-2.33e-04	3.75e-06
12	47	-9.90e-04	3.25e-04	-0.11	-4.34e-06	-2.37e-04	0.0
12	60	-2.98e-04	-1.16e-03	-0.11	1.41e-05	-2.30e-04	1.81e-06
13	2	-0.03	-8.11e-05	-0.15	1.11e-05	-5.07e-04	-1.03e-05
13	3	-8.41e-03	0.03	-0.13	-2.61e-04	-2.88e-04	-3.80e-05
13	6	-0.02	-5.52e-05	-0.11	7.20e-06	-3.69e-04	-6.98e-06
13	7	-6.39e-03	0.02	-0.10	-1.74e-04	-2.23e-04	-2.55e-05
13	10	-8.46e-03	-9.14e-04	-0.11	8.62e-06	-2.57e-04	0.0
13	14	-8.52e-03	9.47e-04	-0.10	-1.06e-05	-2.57e-04	-2.27e-06
13	34	-4.95e-03	-3.12e-03	-0.10	3.03e-05	-2.25e-04	2.71e-06
13	42	-7.11e-03	-4.47e-04	-0.10	3.39e-06	-2.44e-04	0.0
13	46	-7.14e-03	4.54e-04	-0.10	-5.91e-06	-2.44e-04	-1.57e-06
13	66	-5.42e-03	-1.51e-03	-0.10	1.39e-05	-2.29e-04	0.0
14	2	-0.02	-1.42e-05	-0.15	-7.89e-06	-4.85e-04	-6.27e-06
14	4	8.58e-04	-0.02	-0.14	2.38e-04	-2.96e-04	3.61e-05
14	6	-0.01	-9.67e-06	-0.11	-5.75e-06	-3.54e-04	-4.22e-06
14	8	5.72e-04	-0.01	-0.11	1.58e-04	-2.28e-04	2.40e-05
14	10	-2.03e-03	-6.82e-04	-0.11	4.63e-06	-2.51e-04	0.0
14	14	-2.09e-03	7.23e-04	-0.10	-1.27e-05	-2.51e-04	-1.74e-06
14	34	7.19e-04	-2.35e-03	-0.10	2.53e-05	-2.22e-04	3.46e-06
14	42	-9.80e-04	-3.31e-04	-0.10	0.0	-2.40e-04	0.0

14	46	-1.01e-03	3.49e-04	-0.10	-8.02e-06	-2.40e-04	0.0
14	66	3.47e-04	-1.14e-03	-0.10	1.04e-05	-2.26e-04	1.53e-06
15	2	-0.03	-6.66e-05	-0.13	-2.00e-06	-4.96e-04	-1.35e-06
15	3	-8.83e-03	0.03	-0.12	-2.72e-04	-3.03e-04	-3.21e-05
15	4	-6.39e-03	-0.03	-0.14	2.66e-04	-3.06e-04	3.20e-05
15	6	-0.02	-4.80e-05	-0.10	-1.61e-06	-3.62e-04	0.0
15	7	-6.67e-03	0.02	-0.09	-1.82e-04	-2.33e-04	-2.14e-05
15	8	-5.04e-03	-0.02	-0.10	1.77e-04	-2.35e-04	2.14e-05
15	14	-8.55e-03	8.92e-04	-0.10	-1.20e-05	-2.59e-04	-1.55e-06
15	26	-6.50e-03	-3.02e-03	-0.10	3.02e-05	-2.41e-04	3.72e-06
15	34	-4.92e-03	-3.03e-03	-0.10	3.03e-05	-2.27e-04	3.96e-06
15	46	-7.15e-03	4.18e-04	-0.10	-6.86e-06	-2.46e-04	0.0
15	58	-6.17e-03	-1.47e-03	-0.10	1.35e-05	-2.38e-04	1.80e-06
15	66	-5.40e-03	-1.48e-03	-0.10	1.36e-05	-2.31e-04	1.91e-06
16	2	-0.02	-3.35e-06	-0.13	-6.61e-06	-4.95e-04	-4.90e-06
16	4	1.23e-03	-0.02	-0.14	2.32e-04	-3.06e-04	3.10e-05
16	6	-0.01	-2.42e-06	-0.10	-5.07e-06	-3.61e-04	-3.26e-06
16	8	8.22e-04	-0.01	-0.10	1.54e-04	-2.35e-04	2.06e-05
16	14	-2.11e-03	6.85e-04	-0.10	-1.37e-05	-2.56e-04	-1.48e-06
16	26	-4.74e-04	-2.23e-03	-0.10	2.34e-05	-2.41e-04	3.51e-06
16	34	7.63e-04	-2.24e-03	-0.10	2.35e-05	-2.28e-04	3.74e-06
16	46	-1.02e-03	3.31e-04	-0.10	-9.21e-06	-2.45e-04	0.0
16	58	-2.29e-04	-1.08e-03	-0.10	8.75e-06	-2.37e-04	1.70e-06
16	66	3.69e-04	-1.09e-03	-0.10	8.81e-06	-2.31e-04	1.81e-06
17	2	-0.03	4.32e-05	-0.12	-1.52e-05	-5.11e-04	-5.74e-06
17	3	-8.51e-03	0.03	-0.11	-2.60e-04	-3.20e-04	-2.37e-05
17	4	-6.70e-03	-0.03	-0.12	2.57e-04	-2.94e-04	2.28e-05
17	6	-0.02	2.78e-05	-0.09	-1.03e-05	-3.72e-04	-3.71e-06
17	7	-6.45e-03	0.02	-0.09	-1.74e-04	-2.45e-04	-1.57e-05
17	8	-5.25e-03	-0.02	-0.10	1.71e-04	-2.28e-04	1.53e-05
17	14	-8.53e-03	8.80e-04	-0.09	-1.14e-05	-2.61e-04	0.0
17	26	-6.55e-03	-2.89e-03	-0.09	3.01e-05	-2.43e-04	4.49e-06
17	34	-4.97e-03	-2.91e-03	-0.09	3.03e-05	-2.28e-04	4.78e-06
17	46	-7.15e-03	4.22e-04	-0.09	-6.30e-06	-2.48e-04	0.0
17	58	-6.20e-03	-1.40e-03	-0.09	1.38e-05	-2.40e-04	2.63e-06
17	66	-5.43e-03	-1.41e-03	-0.09	1.39e-05	-2.32e-04	2.77e-06
18	1	0.02	-1.46e-05	-0.12	-7.58e-06	-1.25e-04	6.64e-06
18	4	8.87e-04	-0.02	-0.12	2.36e-04	-3.15e-04	2.50e-05
18	5	0.01	-9.90e-06	-0.09	-5.54e-06	-1.15e-04	4.47e-06
18	8	5.91e-04	-0.01	-0.09	1.57e-04	-2.42e-04	1.67e-05
18	18	2.09e-03	-6.57e-04	-0.09	4.49e-06	-2.18e-04	1.74e-06
18	26	-5.14e-04	-2.13e-03	-0.09	2.52e-05	-2.46e-04	3.78e-06
18	34	7.20e-04	-2.14e-03	-0.09	2.49e-05	-2.33e-04	4.00e-06
18	50	1.01e-03	-3.19e-04	-0.09	0.0	-2.29e-04	0.0
18	58	-2.48e-04	-1.03e-03	-0.09	1.03e-05	-2.43e-04	1.97e-06
18	66	3.48e-04	-1.04e-03	-0.09	1.02e-05	-2.36e-04	2.08e-06
19	1	0.02	0.0	-0.12	0.0	-9.41e-05	0.0
19	2	-0.03	0.0	-0.11	0.0	-5.22e-04	0.0
19	3	-7.59e-03	0.03	-0.11	-2.44e-04	-3.07e-04	-2.77e-05
19	5	0.01	0.0	-0.09	0.0	-9.43e-05	0.0
19	6	-0.02	0.0	-0.09	0.0	-3.80e-04	0.0
19	7	-5.85e-03	0.02	-0.09	-1.63e-04	-2.36e-04	-1.85e-05
19	15	-8.51e-03	8.78e-04	-0.09	-9.72e-06	-2.62e-04	0.0
19	19	-3.25e-03	-8.78e-04	-0.09	9.72e-06	-2.12e-04	0.0
19	37	-5.09e-03	2.86e-03	-0.09	-3.17e-05	-2.29e-04	-2.30e-06
19	47	-7.15e-03	4.25e-04	-0.09	-4.70e-06	-2.49e-04	0.0

19	51	-4.60e-03	-4.25e-04	-0.09	4.70e-06	-2.25e-04	0.0
19	69	-5.49e-03	1.38e-03	-0.09	-1.53e-05	-2.33e-04	-1.11e-06
20	1	0.02	0.0	-0.12	0.0	-1.30e-04	0.0
20	4	3.85e-06	-0.02	-0.11	2.43e-04	-3.14e-04	2.50e-05
20	5	0.01	0.0	-0.09	0.0	-1.19e-04	0.0
20	8	2.80e-06	-0.01	-0.09	1.62e-04	-2.41e-04	1.66e-05
20	19	2.05e-03	-6.46e-04	-0.09	8.46e-06	-2.20e-04	0.0
20	25	-6.12e-04	-2.10e-03	-0.09	2.88e-05	-2.48e-04	2.71e-06
20	51	9.90e-04	-3.12e-04	-0.09	4.10e-06	-2.31e-04	0.0
20	57	-2.95e-04	-1.02e-03	-0.09	1.40e-05	-2.44e-04	1.31e-06
21	2	-0.05	-8.88e-05	-0.12	1.25e-05	-5.13e-04	2.78e-06
21	3	-0.01	0.03	-0.12	-2.61e-04	-2.95e-04	-2.31e-05
21	4	-0.02	-0.03	-0.11	2.64e-04	-3.16e-04	2.57e-05
21	6	-0.03	-5.77e-05	-0.09	8.52e-06	-3.73e-04	1.66e-06
21	7	-0.01	0.02	-0.10	-1.74e-04	-2.28e-04	-1.56e-05
21	8	-0.01	-0.02	-0.09	1.76e-04	-2.42e-04	1.70e-05
21	12	-0.01	-1.11e-03	-0.09	9.85e-06	-2.58e-04	0.0
21	30	-0.01	3.68e-03	-0.09	-2.87e-05	-2.42e-04	-5.31e-06
21	32	-0.01	3.67e-03	-0.09	-2.87e-05	-2.42e-04	-5.08e-06
21	44	-0.01	-5.32e-04	-0.09	5.44e-06	-2.46e-04	0.0
21	62	-0.01	1.79e-03	-0.09	-1.32e-05	-2.38e-04	-3.29e-06
21	64	-0.01	1.78e-03	-0.09	-1.32e-05	-2.38e-04	-3.18e-06
22	2	-0.05	1.19e-04	-0.13	0.0	-5.02e-04	-9.68e-06
22	3	-0.01	0.03	-0.14	-2.67e-04	-3.05e-04	-3.27e-05
22	4	-0.02	-0.03	-0.12	2.71e-04	-3.03e-04	3.27e-05
22	6	-0.03	8.45e-05	-0.10	0.0	-3.66e-04	-6.45e-06
22	7	-0.01	0.02	-0.10	-1.78e-04	-2.35e-04	-2.18e-05
22	8	-0.01	-0.02	-0.09	1.81e-04	-2.33e-04	2.18e-05
22	12	-0.01	-1.12e-03	-0.10	9.81e-06	-2.57e-04	1.53e-06
22	32	-0.01	3.80e-03	-0.10	-2.85e-05	-2.41e-04	-3.88e-06
22	40	-0.01	3.82e-03	-0.10	-2.84e-05	-2.27e-04	-4.08e-06
22	44	-0.01	-5.19e-04	-0.10	5.34e-06	-2.45e-04	0.0
22	64	-0.01	1.86e-03	-0.10	-1.32e-05	-2.37e-04	-1.87e-06
22	72	-0.01	1.87e-03	-0.10	-1.31e-05	-2.31e-04	-1.97e-06
23	2	-0.05	1.56e-04	-0.15	-9.18e-06	-5.12e-04	1.13e-05
23	4	-0.02	-0.04	-0.13	2.64e-04	-2.92e-04	3.60e-05
23	6	-0.03	1.05e-04	-0.11	-5.95e-06	-3.72e-04	7.69e-06
23	8	-0.01	-0.02	-0.10	1.76e-04	-2.26e-04	2.42e-05
23	12	-0.01	-1.18e-03	-0.10	1.06e-05	-2.56e-04	2.71e-06
23	16	-0.01	1.15e-03	-0.11	-7.40e-06	-2.56e-04	0.0
23	40	-0.01	3.90e-03	-0.10	-2.88e-05	-2.26e-04	-2.12e-06
23	44	-0.01	-5.65e-04	-0.10	5.77e-06	-2.44e-04	2.04e-06
23	48	-0.01	5.61e-04	-0.10	-2.93e-06	-2.44e-04	1.04e-06
23	72	-0.01	1.89e-03	-0.10	-1.33e-05	-2.30e-04	0.0
24	2	-0.05	0.0	-0.15	0.0	-5.17e-04	0.0
24	3	-0.02	0.04	-0.14	-2.53e-04	-3.03e-04	-2.02e-05
24	6	-0.03	0.0	-0.12	0.0	-3.76e-04	0.0
24	7	-0.01	0.02	-0.11	-1.68e-04	-2.33e-04	-1.34e-05
24	15	-0.01	1.13e-03	-0.11	-8.86e-06	-2.56e-04	0.0
24	30	-0.01	3.93e-03	-0.11	-3.03e-05	-2.40e-04	-3.61e-06
24	47	-0.01	5.46e-04	-0.11	-4.28e-06	-2.44e-04	0.0
24	62	-0.01	1.90e-03	-0.11	-1.47e-05	-2.36e-04	-1.75e-06
25	2	-0.05	-1.56e-04	-0.15	9.18e-06	-5.12e-04	-1.13e-05
25	3	-0.02	0.04	-0.13	-2.64e-04	-2.92e-04	-3.60e-05
25	6	-0.03	-1.05e-04	-0.11	5.95e-06	-3.72e-04	-7.69e-06
25	7	-0.01	0.02	-0.10	-1.76e-04	-2.26e-04	-2.42e-05

25	10	-0.01	-1.15e-03	-0.11	7.40e-06	-2.56e-04	0.0
25	14	-0.01	1.18e-03	-0.10	-1.06e-05	-2.56e-04	-2.71e-06
25	34	-0.01	-3.90e-03	-0.10	2.88e-05	-2.26e-04	2.12e-06
25	42	-0.01	-5.61e-04	-0.10	2.93e-06	-2.44e-04	-1.04e-06
25	46	-0.01	5.65e-04	-0.10	-5.77e-06	-2.44e-04	-2.04e-06
25	66	-0.01	-1.89e-03	-0.10	1.33e-05	-2.30e-04	0.0
26	2	-0.05	-1.19e-04	-0.13	0.0	-5.02e-04	9.68e-06
26	3	-0.02	0.03	-0.12	-2.71e-04	-3.03e-04	-3.27e-05
26	4	-0.01	-0.03	-0.14	2.67e-04	-3.05e-04	3.27e-05
26	6	-0.03	-8.44e-05	-0.10	0.0	-3.66e-04	6.45e-06
26	7	-0.01	0.02	-0.09	-1.81e-04	-2.33e-04	-2.18e-05
26	8	-0.01	-0.02	-0.10	1.78e-04	-2.35e-04	2.18e-05
26	14	-0.01	1.12e-03	-0.10	-9.81e-06	-2.57e-04	-1.53e-06
26	26	-0.01	-3.80e-03	-0.10	2.85e-05	-2.41e-04	3.88e-06
26	34	-0.01	-3.82e-03	-0.10	2.84e-05	-2.27e-04	4.08e-06
26	46	-0.01	5.20e-04	-0.10	-5.34e-06	-2.45e-04	0.0
26	58	-0.01	-1.86e-03	-0.10	1.32e-05	-2.37e-04	1.87e-06
26	66	-0.01	-1.87e-03	-0.10	1.31e-05	-2.31e-04	1.97e-06
27	2	-0.05	8.89e-05	-0.12	-1.25e-05	-5.13e-04	-2.78e-06
27	3	-0.02	0.03	-0.11	-2.64e-04	-3.16e-04	-2.57e-05
27	4	-0.01	-0.03	-0.12	2.61e-04	-2.95e-04	2.31e-05
27	6	-0.03	5.78e-05	-0.09	-8.52e-06	-3.73e-04	-1.66e-06
27	7	-0.01	0.02	-0.09	-1.76e-04	-2.42e-04	-1.70e-05
27	8	-0.01	-0.02	-0.10	1.74e-04	-2.28e-04	1.56e-05
27	14	-0.01	1.11e-03	-0.09	-9.85e-06	-2.58e-04	0.0
27	26	-0.01	-3.66e-03	-0.09	2.87e-05	-2.42e-04	5.08e-06
27	28	-0.01	-3.68e-03	-0.09	2.87e-05	-2.42e-04	5.31e-06
27	46	-0.01	5.33e-04	-0.09	-5.44e-06	-2.46e-04	0.0
27	58	-0.01	-1.78e-03	-0.09	1.32e-05	-2.38e-04	3.18e-06
27	60	-0.01	-1.79e-03	-0.09	1.32e-05	-2.38e-04	3.29e-06
28	1	0.02	0.0	-0.12	0.0	-9.25e-05	0.0
28	2	-0.05	0.0	-0.11	0.0	-5.21e-04	0.0
28	3	-0.02	0.03	-0.11	-2.51e-04	-3.05e-04	-3.79e-05
28	5	8.61e-03	0.0	-0.09	0.0	-9.30e-05	0.0
28	6	-0.03	0.0	-0.09	0.0	-3.79e-04	0.0
28	7	-0.01	0.02	-0.09	-1.67e-04	-2.35e-04	-2.53e-05
28	15	-0.01	1.12e-03	-0.09	-9.24e-06	-2.58e-04	0.0
28	19	-8.52e-03	-1.11e-03	-0.09	9.24e-06	-2.13e-04	0.0
28	37	-0.01	3.63e-03	-0.09	-3.01e-05	-2.29e-04	-2.19e-06
28	47	-0.01	5.39e-04	-0.09	-4.47e-06	-2.46e-04	0.0
28	51	-0.01	-5.39e-04	-0.09	4.47e-06	-2.24e-04	0.0
28	69	-0.01	1.76e-03	-0.09	-1.46e-05	-2.32e-04	-1.06e-06
29	2	-0.06	-1.28e-04	-0.12	1.00e-05	-5.15e-04	3.72e-06
29	3	-0.02	0.04	-0.12	-2.64e-04	-2.96e-04	-1.97e-05
29	4	-0.02	-0.04	-0.11	2.68e-04	-3.12e-04	2.41e-05
29	6	-0.04	-8.37e-05	-0.09	6.87e-06	-3.75e-04	2.25e-06
29	7	-0.02	0.03	-0.10	-1.76e-04	-2.28e-04	-1.34e-05
29	8	-0.02	-0.03	-0.09	1.79e-04	-2.39e-04	1.58e-05
29	12	-0.02	-1.35e-03	-0.09	1.13e-05	-2.59e-04	0.0
29	30	-0.02	4.46e-03	-0.09	-3.08e-05	-2.41e-04	-5.56e-06
29	32	-0.02	4.44e-03	-0.09	-3.09e-05	-2.41e-04	-5.32e-06
29	44	-0.02	-6.46e-04	-0.09	6.15e-06	-2.46e-04	0.0
29	62	-0.02	2.17e-03	-0.09	-1.42e-05	-2.37e-04	-3.58e-06
29	64	-0.02	2.16e-03	-0.09	-1.43e-05	-2.37e-04	-3.47e-06
30	2	-0.06	1.59e-04	-0.13	0.0	-5.08e-04	-1.44e-05
30	3	-0.02	0.04	-0.14	-2.69e-04	-3.05e-04	-3.30e-05

30	4	-0.02	-0.04	-0.12	2.72e-04	-3.04e-04	3.30e-05
30	6	-0.04	1.12e-04	-0.10	0.0	-3.70e-04	-9.61e-06
30	7	-0.02	0.03	-0.10	-1.79e-04	-2.34e-04	-2.20e-05
30	8	-0.02	-0.03	-0.09	1.81e-04	-2.34e-04	2.20e-05
30	12	-0.02	-1.35e-03	-0.10	1.06e-05	-2.59e-04	1.61e-06
30	30	-0.02	4.61e-03	-0.10	-3.20e-05	-2.42e-04	-4.16e-06
30	32	-0.02	4.59e-03	-0.10	-3.20e-05	-2.42e-04	-3.93e-06
30	44	-0.02	-6.28e-04	-0.10	5.40e-06	-2.46e-04	0.0
30	62	-0.02	2.25e-03	-0.10	-1.52e-05	-2.38e-04	-2.01e-06
30	64	-0.02	2.24e-03	-0.10	-1.52e-05	-2.38e-04	-1.90e-06
31	2	-0.06	2.20e-04	-0.15	-6.63e-06	-5.16e-04	1.54e-05
31	4	-0.02	-0.04	-0.13	2.68e-04	-2.96e-04	3.77e-05
31	6	-0.04	1.49e-04	-0.11	-4.25e-06	-3.76e-04	1.05e-05
31	8	-0.02	-0.03	-0.10	1.79e-04	-2.29e-04	2.53e-05
31	12	-0.02	-1.41e-03	-0.10	1.05e-05	-2.60e-04	3.06e-06
31	16	-0.02	1.38e-03	-0.11	-8.91e-06	-2.60e-04	0.0
31	40	-0.02	4.68e-03	-0.10	-3.10e-05	-2.27e-04	-1.87e-06
31	44	-0.02	-6.77e-04	-0.10	5.76e-06	-2.47e-04	2.38e-06
31	48	-0.02	6.75e-04	-0.10	-3.65e-06	-2.47e-04	1.35e-06
31	72	-0.02	2.27e-03	-0.10	-1.43e-05	-2.31e-04	0.0
32	2	-0.06	0.0	-0.15	0.0	-5.20e-04	0.0
32	3	-0.02	0.04	-0.14	-2.58e-04	-3.05e-04	-1.51e-05
32	6	-0.04	0.0	-0.12	0.0	-3.78e-04	0.0
32	7	-0.02	0.03	-0.11	-1.72e-04	-2.35e-04	-1.01e-05
32	15	-0.02	1.36e-03	-0.11	-9.39e-06	-2.60e-04	0.0
32	30	-0.02	4.71e-03	-0.11	-3.22e-05	-2.42e-04	-3.59e-06
32	47	-0.02	6.57e-04	-0.11	-4.54e-06	-2.47e-04	0.0
32	62	-0.02	2.28e-03	-0.11	-1.56e-05	-2.38e-04	-1.74e-06
33	2	-0.06	-2.20e-04	-0.15	6.64e-06	-5.16e-04	-1.54e-05
33	3	-0.02	0.04	-0.13	-2.68e-04	-2.96e-04	-3.77e-05
33	6	-0.04	-1.49e-04	-0.11	4.25e-06	-3.76e-04	-1.05e-05
33	7	-0.02	0.03	-0.10	-1.79e-04	-2.29e-04	-2.53e-05
33	10	-0.02	-1.38e-03	-0.11	8.91e-06	-2.60e-04	0.0
33	14	-0.02	1.41e-03	-0.10	-1.05e-05	-2.60e-04	-3.06e-06
33	34	-0.02	-4.68e-03	-0.10	3.10e-05	-2.27e-04	1.87e-06
33	42	-0.02	-6.75e-04	-0.10	3.65e-06	-2.47e-04	-1.35e-06
33	46	-0.02	6.78e-04	-0.10	-5.75e-06	-2.47e-04	-2.38e-06
33	66	-0.02	-2.27e-03	-0.10	1.43e-05	-2.31e-04	0.0
34	2	-0.06	-1.59e-04	-0.13	0.0	-5.08e-04	1.44e-05
34	3	-0.02	0.04	-0.12	-2.72e-04	-3.04e-04	-3.30e-05
34	4	-0.02	-0.04	-0.14	2.69e-04	-3.05e-04	3.30e-05
34	6	-0.04	-1.12e-04	-0.10	0.0	-3.70e-04	9.61e-06
34	7	-0.02	0.03	-0.09	-1.81e-04	-2.34e-04	-2.20e-05
34	8	-0.02	-0.03	-0.10	1.79e-04	-2.34e-04	2.20e-05
34	14	-0.02	1.35e-03	-0.10	-1.06e-05	-2.59e-04	-1.61e-06
34	26	-0.02	-4.59e-03	-0.10	3.20e-05	-2.42e-04	3.93e-06
34	28	-0.02	-4.61e-03	-0.10	3.20e-05	-2.42e-04	4.16e-06
34	46	-0.02	6.28e-04	-0.10	-5.40e-06	-2.46e-04	0.0
34	58	-0.02	-2.24e-03	-0.10	1.52e-05	-2.38e-04	1.90e-06
34	60	-0.02	-2.25e-03	-0.10	1.52e-05	-2.38e-04	2.01e-06
35	2	-0.06	1.28e-04	-0.12	-1.00e-05	-5.15e-04	-3.72e-06
35	3	-0.02	0.04	-0.11	-2.68e-04	-3.12e-04	-2.41e-05
35	4	-0.02	-0.04	-0.12	2.64e-04	-2.96e-04	1.97e-05
35	6	-0.04	8.38e-05	-0.09	-6.87e-06	-3.75e-04	-2.25e-06
35	7	-0.02	0.03	-0.09	-1.79e-04	-2.39e-04	-1.58e-05
35	8	-0.02	-0.03	-0.10	1.76e-04	-2.28e-04	1.34e-05

35	14	-0.02	1.35e-03	-0.09	-1.13e-05	-2.59e-04	0.0
35	26	-0.02	-4.44e-03	-0.09	3.09e-05	-2.41e-04	5.32e-06
35	28	-0.02	-4.46e-03	-0.09	3.08e-05	-2.41e-04	5.56e-06
35	46	-0.02	6.46e-04	-0.09	-6.14e-06	-2.46e-04	0.0
35	58	-0.02	-2.16e-03	-0.09	1.43e-05	-2.37e-04	3.47e-06
35	60	-0.02	-2.17e-03	-0.09	1.42e-05	-2.37e-04	3.58e-06
36	1	0.01	0.0	-0.12	0.0	-8.91e-05	0.0
36	2	-0.06	0.0	-0.11	0.0	-5.21e-04	0.0
36	3	-0.02	0.04	-0.11	-2.57e-04	-3.04e-04	-4.24e-05
36	5	6.24e-03	0.0	-0.09	0.0	-9.06e-05	0.0
36	6	-0.04	0.0	-0.09	0.0	-3.78e-04	0.0
36	7	-0.02	0.03	-0.09	-1.71e-04	-2.34e-04	-2.82e-05
36	15	-0.02	1.35e-03	-0.09	-9.90e-06	-2.60e-04	0.0
36	19	-0.01	-1.35e-03	-0.09	9.91e-06	-2.09e-04	0.0
36	37	-0.02	4.41e-03	-0.09	-3.23e-05	-2.26e-04	-2.10e-06
36	47	-0.02	6.55e-04	-0.09	-4.79e-06	-2.46e-04	0.0
36	51	-0.02	-6.55e-04	-0.09	4.79e-06	-2.22e-04	0.0
36	69	-0.02	2.14e-03	-0.09	-1.56e-05	-2.30e-04	-1.01e-06
37	2	-0.15	0.0	-0.12	2.68e-05	-5.33e-04	0.0
37	3	-0.08	0.09	-0.13	-2.52e-04	-3.09e-04	-3.13e-05
37	4	-0.08	-0.09	-0.11	3.06e-04	-3.09e-04	3.07e-05
37	6	-0.11	0.0	-0.09	2.06e-05	-3.87e-04	0.0
37	7	-0.06	0.06	-0.10	-1.66e-04	-2.38e-04	-2.09e-05
37	8	-0.06	-0.06	-0.08	2.07e-04	-2.38e-04	2.05e-05
37	12	-0.07	-3.09e-03	-0.09	3.00e-05	-2.63e-04	1.55e-06
37	38	-0.06	0.01	-0.09	-1.15e-05	-2.30e-04	-3.59e-06
37	40	-0.06	0.01	-0.09	-1.15e-05	-2.30e-04	-3.85e-06
37	44	-0.06	-1.50e-03	-0.09	2.52e-05	-2.50e-04	0.0
37	70	-0.06	4.89e-03	-0.09	5.11e-06	-2.34e-04	-1.72e-06
37	72	-0.06	4.89e-03	-0.09	5.09e-06	-2.34e-04	-1.85e-06
38	2	-0.15	4.18e-06	-0.13	-8.95e-06	-5.29e-04	0.0
38	3	-0.07	0.09	-0.14	-2.92e-04	-3.04e-04	-3.08e-05
38	4	-0.08	-0.09	-0.11	2.71e-04	-3.04e-04	3.08e-05
38	6	-0.11	2.86e-06	-0.10	-6.95e-06	-3.84e-04	0.0
38	7	-0.06	0.06	-0.10	-1.96e-04	-2.34e-04	-2.06e-05
38	8	-0.06	-0.06	-0.09	1.80e-04	-2.34e-04	2.06e-05
38	12	-0.07	-3.12e-03	-0.10	1.99e-06	-2.59e-04	1.49e-06
38	30	-0.06	0.01	-0.10	-3.94e-05	-2.42e-04	-3.87e-06
38	32	-0.06	0.01	-0.10	-3.94e-05	-2.42e-04	-3.61e-06
38	44	-0.06	-1.51e-03	-0.10	-2.85e-06	-2.46e-04	0.0
38	62	-0.06	4.94e-03	-0.10	-2.29e-05	-2.38e-04	-1.87e-06
38	64	-0.06	4.92e-03	-0.10	-2.29e-05	-2.38e-04	-1.75e-06
39	2	-0.15	6.73e-06	-0.15	2.72e-05	-5.25e-04	0.0
39	4	-0.08	-0.09	-0.13	3.05e-04	-3.00e-04	3.11e-05
39	6	-0.11	4.55e-06	-0.11	2.09e-05	-3.81e-04	0.0
39	8	-0.06	-0.06	-0.10	2.06e-04	-2.31e-04	2.07e-05
39	12	-0.07	-3.15e-03	-0.10	3.07e-05	-2.56e-04	1.44e-06
39	16	-0.07	3.02e-03	-0.11	1.14e-05	-2.56e-04	0.0
39	40	-0.06	0.01	-0.10	-1.17e-05	-2.23e-04	-3.80e-06
39	44	-0.06	-1.52e-03	-0.10	2.55e-05	-2.43e-04	0.0
39	48	-0.06	1.46e-03	-0.10	1.62e-05	-2.43e-04	0.0
39	72	-0.06	4.99e-03	-0.10	5.00e-06	-2.27e-04	-1.85e-06
40	2	-0.15	0.0	-0.15	0.0	-5.67e-04	0.0
40	3	-0.08	0.09	-0.14	-2.78e-04	-3.39e-04	-3.12e-05
40	6	-0.11	0.0	-0.12	0.0	-4.13e-04	0.0
40	7	-0.06	0.06	-0.11	-1.86e-04	-2.61e-04	-2.08e-05

40	15	-0.07	3.01e-03	-0.11	-9.43e-06	-2.86e-04	0.0
40	30	-0.06	0.01	-0.11	-3.24e-05	-2.69e-04	-3.79e-06
40	47	-0.06	1.46e-03	-0.11	-4.55e-06	-2.73e-04	0.0
40	62	-0.06	5.01e-03	-0.11	-1.57e-05	-2.65e-04	-1.83e-06
41	2	-0.15	-6.12e-06	-0.15	-2.71e-05	-5.25e-04	0.0
41	3	-0.08	0.09	-0.13	-3.05e-04	-3.00e-04	-3.11e-05
41	6	-0.11	-4.11e-06	-0.11	-2.08e-05	-3.81e-04	0.0
41	7	-0.06	0.06	-0.10	-2.06e-04	-2.31e-04	-2.07e-05
41	10	-0.07	-3.02e-03	-0.11	-1.13e-05	-2.56e-04	0.0
41	14	-0.07	3.15e-03	-0.10	-3.06e-05	-2.56e-04	-1.44e-06
41	34	-0.06	-0.01	-0.10	1.18e-05	-2.23e-04	3.80e-06
41	42	-0.06	-1.46e-03	-0.10	-1.61e-05	-2.43e-04	0.0
41	46	-0.06	1.52e-03	-0.10	-2.54e-05	-2.43e-04	0.0
41	66	-0.06	-4.99e-03	-0.10	-4.93e-06	-2.27e-04	1.85e-06
42	1	0.02	-4.92e-06	-0.11	-8.03e-06	-1.44e-04	0.0
42	2	-0.02	4.14e-06	-0.10	0.0	-4.94e-04	0.0
42	4	8.79e-04	-0.02	-0.11	2.30e-04	-3.24e-04	0.0
42	5	0.01	-3.31e-06	-0.08	-5.81e-06	-1.29e-04	0.0
42	8	5.86e-04	-0.01	-0.08	1.53e-04	-2.49e-04	0.0
42	18	2.09e-03	-5.71e-04	-0.08	4.38e-06	-2.25e-04	0.0
42	35	6.92e-04	-2.02e-03	-0.08	2.43e-05	-2.40e-04	0.0
42	36	7.13e-04	-1.99e-03	-0.08	2.43e-05	-2.40e-04	0.0
42	50	1.01e-03	-2.77e-04	-0.08	0.0	-2.36e-04	0.0
42	67	3.34e-04	-9.76e-04	-0.08	9.99e-06	-2.43e-04	0.0
42	68	3.45e-04	-9.63e-04	-0.08	1.00e-05	-2.43e-04	0.0
43	1	0.02	0.0	-0.11	0.0	-1.45e-04	0.0
43	2	-0.02	0.0	-0.10	0.0	-4.94e-04	0.0
43	4	1.64e-06	-0.02	-0.10	2.36e-04	-3.19e-04	0.0
43	5	0.01	0.0	-0.08	0.0	-1.29e-04	0.0
43	6	-0.01	0.0	-0.08	0.0	-3.62e-04	0.0
43	8	1.17e-06	-0.01	-0.08	1.58e-04	-2.45e-04	0.0
43	19	2.05e-03	-6.26e-04	-0.08	8.23e-06	-2.25e-04	0.0
43	25	-6.13e-04	-2.02e-03	-0.08	2.80e-05	-2.52e-04	0.0
43	51	9.88e-04	-3.03e-04	-0.08	3.98e-06	-2.36e-04	0.0
43	57	-2.96e-04	-9.75e-04	-0.08	1.36e-05	-2.48e-04	0.0
44	1	-1.06e-03	0.0	-0.12	0.0	-4.14e-05	0.0
44	2	-0.15	0.0	-0.11	0.0	-4.96e-04	0.0
44	3	-0.08	0.09	-0.11	-2.79e-04	-2.70e-04	-3.06e-05
44	5	-8.51e-03	0.0	-0.09	0.0	-5.53e-05	0.0
44	6	-0.11	0.0	-0.09	0.0	-3.58e-04	0.0
44	7	-0.06	0.06	-0.09	-1.86e-04	-2.08e-04	-2.04e-05
44	15	-0.07	3.09e-03	-0.09	-9.90e-06	-2.33e-04	0.0
44	19	-0.05	-3.09e-03	-0.09	9.97e-06	-1.81e-04	0.0
44	37	-0.06	0.01	-0.09	-3.24e-05	-1.99e-04	-2.69e-06
44	47	-0.06	1.49e-03	-0.09	-4.78e-06	-2.20e-04	0.0
44	51	-0.05	-1.49e-03	-0.09	4.84e-06	-1.95e-04	0.0
44	69	-0.06	4.87e-03	-0.09	-1.57e-05	-2.03e-04	-1.30e-06
45	2	-0.09	-1.59e-04	-0.12	6.55e-06	-5.18e-04	5.14e-06
45	3	-0.04	0.05	-0.12	-2.69e-04	-2.97e-04	-1.58e-05
45	4	-0.04	-0.05	-0.11	2.74e-04	-3.06e-04	2.22e-05
45	6	-0.06	-1.04e-04	-0.09	4.63e-06	-3.76e-04	3.19e-06
45	7	-0.03	0.04	-0.10	-1.79e-04	-2.29e-04	-1.08e-05
45	8	-0.03	-0.04	-0.09	1.83e-04	-2.35e-04	1.46e-05
45	12	-0.03	-1.83e-03	-0.09	1.20e-05	-2.58e-04	0.0
45	30	-0.03	6.05e-03	-0.09	-3.06e-05	-2.39e-04	-5.61e-06
45	40	-0.03	6.05e-03	-0.09	-3.08e-05	-2.24e-04	-5.71e-06

45	44	-0.03	-8.79e-04	-0.09	6.82e-06	-2.44e-04	0.0
45	62	-0.03	2.94e-03	-0.09	-1.38e-05	-2.35e-04	-3.65e-06
45	72	-0.03	2.94e-03	-0.09	-1.39e-05	-2.28e-04	-3.70e-06
46	2	-0.09	1.86e-04	-0.13	0.0	-5.17e-04	-1.75e-05
46	3	-0.04	0.05	-0.14	-2.76e-04	-3.04e-04	-3.29e-05
46	4	-0.04	-0.05	-0.11	2.74e-04	-3.04e-04	3.29e-05
46	6	-0.06	1.30e-04	-0.10	0.0	-3.76e-04	-1.17e-05
46	7	-0.03	0.04	-0.10	-1.84e-04	-2.34e-04	-2.19e-05
46	8	-0.03	-0.04	-0.09	1.83e-04	-2.34e-04	2.19e-05
46	12	-0.03	-1.84e-03	-0.10	9.44e-06	-2.60e-04	1.61e-06
46	30	-0.03	6.19e-03	-0.10	-3.35e-05	-2.42e-04	-4.16e-06
46	32	-0.03	6.17e-03	-0.10	-3.35e-05	-2.42e-04	-3.92e-06
46	44	-0.03	-8.66e-04	-0.10	4.21e-06	-2.46e-04	0.0
46	62	-0.03	3.02e-03	-0.10	-1.66e-05	-2.38e-04	-2.01e-06
46	64	-0.03	3.01e-03	-0.10	-1.66e-05	-2.38e-04	-1.90e-06
47	2	-0.09	2.75e-04	-0.15	-1.26e-06	-5.24e-04	1.93e-05
47	4	-0.04	-0.06	-0.13	2.73e-04	-3.03e-04	3.96e-05
47	6	-0.06	1.86e-04	-0.11	0.0	-3.81e-04	1.31e-05
47	8	-0.03	-0.04	-0.10	1.82e-04	-2.34e-04	2.66e-05
47	12	-0.03	-1.90e-03	-0.10	1.12e-05	-2.62e-04	3.18e-06
47	16	-0.03	1.85e-03	-0.11	-8.40e-06	-2.62e-04	1.02e-06
47	40	-0.03	6.27e-03	-0.10	-3.07e-05	-2.29e-04	-1.88e-06
47	44	-0.03	-9.10e-04	-0.10	6.39e-06	-2.49e-04	2.48e-06
47	48	-0.03	9.03e-04	-0.10	-3.10e-06	-2.49e-04	1.43e-06
47	72	-0.03	3.04e-03	-0.10	-1.39e-05	-2.33e-04	0.0
48	2	-0.08	0.0	-0.15	0.0	-5.30e-04	0.0
48	3	-0.04	0.06	-0.14	-2.67e-04	-3.08e-04	-1.19e-05
48	6	-0.06	0.0	-0.12	0.0	-3.85e-04	0.0
48	7	-0.03	0.04	-0.11	-1.78e-04	-2.37e-04	-7.93e-06
48	15	-0.03	1.82e-03	-0.11	-9.50e-06	-2.63e-04	0.0
48	30	-0.03	6.30e-03	-0.11	-3.26e-05	-2.45e-04	-3.52e-06
48	47	-0.03	8.83e-04	-0.11	-4.59e-06	-2.50e-04	0.0
48	62	-0.03	3.05e-03	-0.11	-1.58e-05	-2.41e-04	-1.70e-06
49	2	-0.09	-2.75e-04	-0.15	1.27e-06	-5.24e-04	-1.93e-05
49	3	-0.04	0.06	-0.13	-2.73e-04	-3.03e-04	-3.96e-05
49	6	-0.06	-1.85e-04	-0.11	0.0	-3.81e-04	-1.31e-05
49	7	-0.03	0.04	-0.10	-1.82e-04	-2.34e-04	-2.66e-05
49	10	-0.03	-1.85e-03	-0.11	8.41e-06	-2.62e-04	-1.02e-06
49	14	-0.03	1.90e-03	-0.10	-1.12e-05	-2.62e-04	-3.18e-06
49	34	-0.03	-6.27e-03	-0.10	3.07e-05	-2.29e-04	1.88e-06
49	42	-0.03	-9.02e-04	-0.10	3.11e-06	-2.49e-04	-1.43e-06
49	46	-0.03	9.10e-04	-0.10	-6.38e-06	-2.49e-04	-2.48e-06
49	66	-0.03	-3.04e-03	-0.10	1.39e-05	-2.33e-04	0.0
50	2	-0.09	-1.86e-04	-0.13	0.0	-5.17e-04	1.75e-05
50	3	-0.04	0.05	-0.11	-2.74e-04	-3.04e-04	-3.29e-05
50	4	-0.04	-0.05	-0.14	2.76e-04	-3.04e-04	3.29e-05
50	6	-0.06	-1.30e-04	-0.10	0.0	-3.76e-04	1.17e-05
50	7	-0.03	0.04	-0.09	-1.83e-04	-2.34e-04	-2.19e-05
50	8	-0.03	-0.04	-0.10	1.84e-04	-2.34e-04	2.19e-05
50	14	-0.03	1.84e-03	-0.10	-9.44e-06	-2.60e-04	-1.61e-06
50	26	-0.03	-6.17e-03	-0.10	3.35e-05	-2.42e-04	3.92e-06
50	28	-0.03	-6.19e-03	-0.10	3.35e-05	-2.42e-04	4.16e-06
50	46	-0.03	8.66e-04	-0.10	-4.22e-06	-2.46e-04	0.0
50	58	-0.03	-3.01e-03	-0.10	1.66e-05	-2.38e-04	1.90e-06
50	60	-0.03	-3.02e-03	-0.10	1.66e-05	-2.38e-04	2.01e-06
51	2	-0.09	1.59e-04	-0.12	-6.54e-06	-5.18e-04	-5.14e-06

51	3	-0.04	0.05	-0.11	-2.74e-04	-3.06e-04	-2.22e-05
51	4	-0.04	-0.05	-0.12	2.69e-04	-2.97e-04	1.58e-05
51	6	-0.06	1.04e-04	-0.09	-4.62e-06	-3.76e-04	-3.19e-06
51	7	-0.03	0.04	-0.09	-1.83e-04	-2.35e-04	-1.46e-05
51	8	-0.03	-0.04	-0.10	1.79e-04	-2.29e-04	1.08e-05
51	14	-0.03	1.83e-03	-0.09	-1.20e-05	-2.58e-04	0.0
51	28	-0.03	-6.05e-03	-0.09	3.07e-05	-2.39e-04	5.61e-06
51	34	-0.03	-6.05e-03	-0.09	3.08e-05	-2.24e-04	5.71e-06
51	46	-0.03	8.79e-04	-0.09	-6.81e-06	-2.44e-04	0.0
51	60	-0.03	-2.94e-03	-0.09	1.38e-05	-2.35e-04	3.65e-06
51	66	-0.03	-2.94e-03	-0.09	1.39e-05	-2.28e-04	3.70e-06
52	1	8.45e-03	0.0	-0.12	0.0	-7.89e-05	0.0
52	2	-0.08	0.0	-0.11	0.0	-5.21e-04	0.0
52	3	-0.04	0.05	-0.11	-2.66e-04	-3.00e-04	-4.58e-05
52	5	1.72e-03	0.0	-0.09	0.0	-8.34e-05	0.0
52	6	-0.06	0.0	-0.09	0.0	-3.78e-04	0.0
52	7	-0.03	0.04	-0.09	-1.78e-04	-2.31e-04	-3.06e-05
52	15	-0.03	1.84e-03	-0.09	-1.00e-05	-2.57e-04	0.0
52	19	-0.02	-1.84e-03	-0.09	1.00e-05	-2.05e-04	0.0
52	37	-0.03	6.00e-03	-0.09	-3.27e-05	-2.23e-04	-2.22e-06
52	47	-0.03	8.91e-04	-0.09	-4.84e-06	-2.43e-04	0.0
52	51	-0.03	-8.91e-04	-0.09	4.86e-06	-2.19e-04	0.0
52	69	-0.03	2.90e-03	-0.09	-1.58e-05	-2.27e-04	-1.08e-06
53	2	-0.10	-1.47e-04	-0.12	5.84e-06	-5.18e-04	4.79e-06
53	3	-0.04	0.06	-0.13	-2.70e-04	-2.98e-04	-1.66e-05
53	4	-0.05	-0.06	-0.11	2.76e-04	-3.03e-04	2.27e-05
53	6	-0.07	-9.57e-05	-0.09	4.26e-06	-3.76e-04	2.97e-06
53	7	-0.03	0.04	-0.10	-1.80e-04	-2.30e-04	-1.13e-05
53	8	-0.04	-0.04	-0.09	1.85e-04	-2.33e-04	1.49e-05
53	12	-0.04	-2.08e-03	-0.09	1.19e-05	-2.56e-04	0.0
53	38	-0.03	6.86e-03	-0.09	-2.88e-05	-2.24e-04	-5.30e-06
53	40	-0.03	6.86e-03	-0.09	-2.88e-05	-2.24e-04	-5.55e-06
53	44	-0.04	-9.98e-04	-0.09	7.17e-06	-2.43e-04	0.0
53	70	-0.03	3.33e-03	-0.09	-1.25e-05	-2.27e-04	-3.43e-06
53	72	-0.03	3.33e-03	-0.09	-1.25e-05	-2.27e-04	-3.55e-06
54	2	-0.10	1.70e-04	-0.13	-1.69e-06	-5.20e-04	-1.63e-05
54	3	-0.04	0.06	-0.14	-2.81e-04	-3.04e-04	-3.26e-05
54	4	-0.05	-0.06	-0.11	2.75e-04	-3.04e-04	3.26e-05
54	6	-0.07	1.18e-04	-0.10	-1.34e-06	-3.78e-04	-1.09e-05
54	7	-0.03	0.04	-0.10	-1.87e-04	-2.34e-04	-2.17e-05
54	8	-0.04	-0.04	-0.09	1.83e-04	-2.34e-04	2.17e-05
54	12	-0.04	-2.09e-03	-0.10	7.53e-06	-2.59e-04	1.57e-06
54	30	-0.04	6.99e-03	-0.10	-3.29e-05	-2.41e-04	-4.12e-06
54	32	-0.04	6.96e-03	-0.10	-3.30e-05	-2.41e-04	-3.88e-06
54	44	-0.04	-9.93e-04	-0.10	2.81e-06	-2.46e-04	0.0
54	62	-0.04	3.40e-03	-0.10	-1.68e-05	-2.38e-04	-2.00e-06
54	64	-0.04	3.39e-03	-0.10	-1.68e-05	-2.38e-04	-1.88e-06
55	2	-0.10	2.60e-04	-0.15	1.67e-06	-5.27e-04	1.83e-05
55	4	-0.05	-0.06	-0.13	2.76e-04	-3.06e-04	3.91e-05
55	6	-0.07	1.76e-04	-0.11	1.47e-06	-3.83e-04	1.24e-05
55	8	-0.04	-0.04	-0.10	1.84e-04	-2.36e-04	2.63e-05
55	12	-0.04	-2.14e-03	-0.10	1.24e-05	-2.62e-04	3.08e-06
55	16	-0.04	2.08e-03	-0.11	-6.50e-06	-2.62e-04	0.0
55	30	-0.04	7.07e-03	-0.10	-2.87e-05	-2.44e-04	-2.11e-06
55	44	-0.04	-1.03e-03	-0.10	7.36e-06	-2.49e-04	2.36e-06
55	48	-0.04	1.02e-03	-0.10	-1.78e-06	-2.49e-04	1.30e-06

55	62	-0.04	3.43e-03	-0.10	-1.25e-05	-2.41e-04	0.0
56	2	-0.10	0.0	-0.15	0.0	-5.36e-04	0.0
56	3	-0.05	0.06	-0.14	-2.70e-04	-3.11e-04	-1.33e-05
56	6	-0.07	0.0	-0.12	0.0	-3.89e-04	0.0
56	7	-0.04	0.04	-0.11	-1.80e-04	-2.39e-04	-8.84e-06
56	15	-0.04	2.06e-03	-0.11	-9.26e-06	-2.64e-04	0.0
56	30	-0.04	7.10e-03	-0.11	-3.17e-05	-2.47e-04	-3.52e-06
56	47	-0.04	9.97e-04	-0.11	-4.48e-06	-2.51e-04	0.0
56	62	-0.04	3.43e-03	-0.11	-1.54e-05	-2.43e-04	-1.70e-06
57	2	-0.10	-2.60e-04	-0.15	-1.65e-06	-5.27e-04	-1.83e-05
57	3	-0.05	0.06	-0.13	-2.76e-04	-3.06e-04	-3.91e-05
57	6	-0.07	-1.75e-04	-0.11	-1.45e-06	-3.83e-04	-1.24e-05
57	7	-0.04	0.04	-0.10	-1.84e-04	-2.36e-04	-2.63e-05
57	10	-0.04	-2.08e-03	-0.11	6.51e-06	-2.62e-04	0.0
57	14	-0.04	2.14e-03	-0.10	-1.24e-05	-2.62e-04	-3.08e-06
57	34	-0.03	-7.07e-03	-0.10	2.90e-05	-2.30e-04	2.05e-06
57	42	-0.04	-1.02e-03	-0.10	1.80e-06	-2.49e-04	-1.30e-06
57	46	-0.04	1.03e-03	-0.10	-7.35e-06	-2.49e-04	-2.36e-06
57	66	-0.03	-3.43e-03	-0.10	1.27e-05	-2.34e-04	0.0
58	2	-0.10	-1.70e-04	-0.13	1.68e-06	-5.20e-04	1.63e-05
58	3	-0.05	0.06	-0.11	-2.75e-04	-3.04e-04	-3.26e-05
58	4	-0.04	-0.06	-0.14	2.81e-04	-3.04e-04	3.26e-05
58	6	-0.07	-1.18e-04	-0.10	1.34e-06	-3.78e-04	1.09e-05
58	7	-0.04	0.04	-0.09	-1.83e-04	-2.34e-04	-2.17e-05
58	8	-0.03	-0.04	-0.10	1.87e-04	-2.34e-04	2.17e-05
58	14	-0.04	2.09e-03	-0.10	-7.53e-06	-2.59e-04	-1.57e-06
58	26	-0.04	-6.96e-03	-0.10	3.30e-05	-2.41e-04	3.88e-06
58	28	-0.04	-6.99e-03	-0.10	3.29e-05	-2.41e-04	4.12e-06
58	46	-0.04	9.93e-04	-0.10	-2.81e-06	-2.46e-04	0.0
58	58	-0.04	-3.39e-03	-0.10	1.68e-05	-2.38e-04	1.88e-06
58	60	-0.04	-3.40e-03	-0.10	1.68e-05	-2.38e-04	2.00e-06
59	2	-0.10	1.47e-04	-0.12	-5.82e-06	-5.18e-04	-4.79e-06
59	3	-0.05	0.06	-0.11	-2.76e-04	-3.03e-04	-2.27e-05
59	4	-0.04	-0.06	-0.13	2.70e-04	-2.98e-04	1.66e-05
59	6	-0.07	9.60e-05	-0.09	-4.24e-06	-3.76e-04	-2.97e-06
59	7	-0.04	0.04	-0.09	-1.85e-04	-2.33e-04	-1.49e-05
59	8	-0.03	-0.04	-0.10	1.80e-04	-2.30e-04	1.13e-05
59	14	-0.04	2.08e-03	-0.09	-1.19e-05	-2.56e-04	0.0
59	34	-0.03	-6.86e-03	-0.09	2.88e-05	-2.24e-04	5.55e-06
59	36	-0.03	-6.86e-03	-0.09	2.88e-05	-2.24e-04	5.30e-06
59	46	-0.04	9.99e-04	-0.09	-7.16e-06	-2.43e-04	0.0
59	66	-0.03	-3.33e-03	-0.09	1.25e-05	-2.27e-04	3.55e-06
59	68	-0.03	-3.33e-03	-0.09	1.25e-05	-2.27e-04	3.43e-06
60	1	6.40e-03	0.0	-0.12	0.0	-7.26e-05	0.0
60	2	-0.10	0.0	-0.11	0.0	-5.21e-04	0.0
60	3	-0.05	0.06	-0.11	-2.70e-04	-2.98e-04	-4.51e-05
60	5	-4.20e-04	0.0	-0.09	0.0	-7.89e-05	0.0
60	6	-0.07	0.0	-0.09	0.0	-3.78e-04	0.0
60	7	-0.04	0.04	-0.09	-1.80e-04	-2.29e-04	-3.01e-05
60	15	-0.04	2.09e-03	-0.09	-9.71e-06	-2.53e-04	0.0
60	19	-0.03	-2.09e-03	-0.09	9.73e-06	-2.04e-04	0.0
60	37	-0.03	6.81e-03	-0.09	-3.17e-05	-2.21e-04	-2.34e-06
60	47	-0.04	1.01e-03	-0.09	-4.69e-06	-2.41e-04	0.0
60	51	-0.03	-1.01e-03	-0.09	4.71e-06	-2.17e-04	0.0
60	69	-0.03	3.29e-03	-0.09	-1.53e-05	-2.25e-04	-1.13e-06
61	2	-0.11	-1.18e-04	-0.12	6.35e-06	-5.19e-04	3.76e-06

61	3	-0.05	0.07	-0.13	-2.70e-04	-2.99e-04	-1.91e-05
61	4	-0.05	-0.07	-0.11	2.80e-04	-3.01e-04	2.39e-05
61	6	-0.08	-7.66e-05	-0.09	4.79e-06	-3.77e-04	2.31e-06
61	7	-0.04	0.05	-0.10	-1.79e-04	-2.30e-04	-1.29e-05
61	8	-0.04	-0.05	-0.09	1.87e-04	-2.31e-04	1.58e-05
61	12	-0.05	-2.33e-03	-0.09	1.43e-05	-2.56e-04	0.0
61	30	-0.04	7.67e-03	-0.09	-2.87e-05	-2.38e-04	-5.27e-06
61	40	-0.04	7.67e-03	-0.09	-2.89e-05	-2.22e-04	-5.34e-06
61	44	-0.04	-1.12e-03	-0.09	9.08e-06	-2.43e-04	0.0
61	62	-0.04	3.72e-03	-0.09	-1.17e-05	-2.34e-04	-3.31e-06
61	72	-0.04	3.72e-03	-0.09	-1.18e-05	-2.27e-04	-3.35e-06
62	2	-0.11	1.37e-04	-0.13	-3.13e-06	-5.23e-04	-1.34e-05
62	3	-0.05	0.07	-0.14	-2.85e-04	-3.04e-04	-3.21e-05
62	4	-0.05	-0.07	-0.11	2.76e-04	-3.04e-04	3.21e-05
62	6	-0.08	9.45e-05	-0.10	-2.49e-06	-3.80e-04	-8.91e-06
62	7	-0.04	0.05	-0.10	-1.91e-04	-2.34e-04	-2.14e-05
62	8	-0.04	-0.05	-0.09	1.83e-04	-2.34e-04	2.14e-05
62	12	-0.05	-2.35e-03	-0.10	6.67e-06	-2.60e-04	1.58e-06
62	30	-0.04	7.78e-03	-0.10	-3.63e-05	-2.42e-04	-4.05e-06
62	32	-0.04	7.75e-03	-0.10	-3.63e-05	-2.42e-04	-3.81e-06
62	44	-0.04	-1.12e-03	-0.10	1.67e-06	-2.46e-04	0.0
62	62	-0.04	3.78e-03	-0.10	-1.91e-05	-2.38e-04	-1.96e-06
62	64	-0.04	3.76e-03	-0.10	-1.91e-05	-2.38e-04	-1.84e-06
63	2	-0.11	2.18e-04	-0.15	5.12e-06	-5.30e-04	1.53e-05
63	4	-0.05	-0.07	-0.13	2.79e-04	-3.08e-04	3.78e-05
63	6	-0.08	1.47e-04	-0.11	3.95e-06	-3.85e-04	1.04e-05
63	8	-0.04	-0.05	-0.10	1.87e-04	-2.37e-04	2.54e-05
63	12	-0.05	-2.39e-03	-0.10	1.34e-05	-2.64e-04	2.93e-06
63	16	-0.05	2.32e-03	-0.11	-6.30e-06	-2.64e-04	0.0
63	30	-0.04	7.88e-03	-0.10	-2.89e-05	-2.46e-04	-2.34e-06
63	44	-0.04	-1.15e-03	-0.10	8.60e-06	-2.50e-04	2.18e-06
63	48	-0.04	1.13e-03	-0.10	0.0	-2.50e-04	1.12e-06
63	62	-0.04	3.82e-03	-0.10	-1.19e-05	-2.42e-04	0.0
64	2	-0.11	0.0	-0.15	0.0	-5.43e-04	0.0
64	3	-0.05	0.07	-0.14	-2.72e-04	-3.15e-04	-1.65e-05
64	6	-0.08	0.0	-0.12	0.0	-3.94e-04	0.0
64	7	-0.04	0.05	-0.11	-1.82e-04	-2.42e-04	-1.10e-05
64	15	-0.05	2.30e-03	-0.11	-9.56e-06	-2.69e-04	0.0
64	30	-0.04	7.91e-03	-0.11	-3.28e-05	-2.51e-04	-3.60e-06
64	47	-0.04	1.11e-03	-0.11	-4.62e-06	-2.56e-04	0.0
64	62	-0.04	3.83e-03	-0.11	-1.59e-05	-2.47e-04	-1.74e-06
65	2	-0.11	-2.17e-04	-0.15	-5.09e-06	-5.30e-04	-1.53e-05
65	3	-0.05	0.07	-0.13	-2.79e-04	-3.08e-04	-3.78e-05
65	6	-0.08	-1.47e-04	-0.11	-3.93e-06	-3.85e-04	-1.04e-05
65	7	-0.04	0.05	-0.10	-1.87e-04	-2.37e-04	-2.54e-05
65	10	-0.05	-2.32e-03	-0.11	6.33e-06	-2.64e-04	0.0
65	14	-0.05	2.39e-03	-0.10	-1.34e-05	-2.64e-04	-2.93e-06
65	34	-0.04	-7.88e-03	-0.10	2.87e-05	-2.30e-04	2.29e-06
65	42	-0.04	-1.13e-03	-0.10	0.0	-2.50e-04	-1.12e-06
65	46	-0.04	1.15e-03	-0.10	-8.58e-06	-2.50e-04	-2.18e-06
65	66	-0.04	-3.82e-03	-0.10	1.18e-05	-2.34e-04	0.0
66	2	-0.11	-1.36e-04	-0.13	3.13e-06	-5.23e-04	1.34e-05
66	3	-0.05	0.07	-0.11	-2.76e-04	-3.04e-04	-3.21e-05
66	4	-0.05	-0.07	-0.14	2.85e-04	-3.04e-04	3.21e-05
66	6	-0.08	-9.42e-05	-0.10	2.49e-06	-3.80e-04	8.91e-06
66	7	-0.04	0.05	-0.09	-1.83e-04	-2.34e-04	-2.14e-05

66	8	-0.04	-0.05	-0.10	1.91e-04	-2.34e-04	2.14e-05
66	14	-0.05	2.35e-03	-0.10	-6.68e-06	-2.60e-04	-1.58e-06
66	26	-0.04	-7.75e-03	-0.10	3.63e-05	-2.42e-04	3.81e-06
66	28	-0.04	-7.78e-03	-0.10	3.63e-05	-2.42e-04	4.05e-06
66	46	-0.04	1.12e-03	-0.10	-1.67e-06	-2.46e-04	0.0
66	58	-0.04	-3.76e-03	-0.10	1.91e-05	-2.38e-04	1.84e-06
66	60	-0.04	-3.78e-03	-0.10	1.91e-05	-2.38e-04	1.96e-06
67	2	-0.11	1.18e-04	-0.12	-6.32e-06	-5.19e-04	-3.76e-06
67	3	-0.05	0.07	-0.11	-2.80e-04	-3.01e-04	-2.39e-05
67	4	-0.05	-0.07	-0.13	2.70e-04	-2.99e-04	1.91e-05
67	6	-0.08	7.69e-05	-0.09	-4.76e-06	-3.77e-04	-2.31e-06
67	7	-0.04	0.05	-0.09	-1.87e-04	-2.31e-04	-1.58e-05
67	8	-0.04	-0.05	-0.10	1.79e-04	-2.30e-04	1.29e-05
67	14	-0.05	2.33e-03	-0.09	-1.43e-05	-2.56e-04	0.0
67	28	-0.04	-7.67e-03	-0.09	2.87e-05	-2.38e-04	5.27e-06
67	34	-0.04	-7.66e-03	-0.09	2.89e-05	-2.22e-04	5.34e-06
67	46	-0.04	1.12e-03	-0.09	-9.06e-06	-2.43e-04	0.0
67	60	-0.04	-3.72e-03	-0.09	1.18e-05	-2.34e-04	3.31e-06
67	66	-0.04	-3.72e-03	-0.09	1.18e-05	-2.27e-04	3.35e-06
68	1	4.45e-03	0.0	-0.12	0.0	-6.54e-05	0.0
68	2	-0.11	0.0	-0.11	0.0	-5.18e-04	0.0
68	3	-0.05	0.07	-0.11	-2.73e-04	-2.94e-04	-4.27e-05
68	5	-2.50e-03	0.0	-0.09	0.0	-7.36e-05	0.0
68	6	-0.08	0.0	-0.09	0.0	-3.75e-04	0.0
68	7	-0.04	0.05	-0.09	-1.82e-04	-2.26e-04	-2.85e-05
68	15	-0.05	2.34e-03	-0.09	-1.01e-05	-2.51e-04	0.0
68	19	-0.03	-2.34e-03	-0.09	1.01e-05	-1.99e-04	0.0
68	37	-0.04	7.61e-03	-0.09	-3.29e-05	-2.17e-04	-2.42e-06
68	47	-0.04	1.13e-03	-0.09	-4.87e-06	-2.38e-04	0.0
68	51	-0.04	-1.13e-03	-0.09	4.90e-06	-2.13e-04	0.0
68	69	-0.04	3.68e-03	-0.09	-1.59e-05	-2.21e-04	-1.17e-06
69	2	-0.12	-7.85e-05	-0.12	9.00e-06	-5.21e-04	2.15e-06
69	3	-0.06	0.07	-0.13	-2.68e-04	-3.00e-04	-2.30e-05
69	4	-0.06	-0.07	-0.11	2.85e-04	-3.00e-04	2.58e-05
69	6	-0.09	-5.08e-05	-0.09	6.92e-06	-3.78e-04	1.27e-06
69	7	-0.05	0.05	-0.10	-1.77e-04	-2.31e-04	-1.55e-05
69	8	-0.05	-0.05	-0.08	1.91e-04	-2.31e-04	1.70e-05
69	12	-0.05	-2.58e-03	-0.09	1.62e-05	-2.56e-04	0.0
69	38	-0.04	8.47e-03	-0.09	-2.50e-05	-2.23e-04	-4.86e-06
69	40	-0.04	8.47e-03	-0.09	-2.50e-05	-2.23e-04	-5.12e-06
69	44	-0.05	-1.24e-03	-0.09	1.14e-05	-2.43e-04	0.0
69	70	-0.05	4.11e-03	-0.09	-8.53e-06	-2.27e-04	-3.01e-06
69	72	-0.05	4.11e-03	-0.09	-8.53e-06	-2.27e-04	-3.14e-06
70	2	-0.12	9.19e-05	-0.13	-5.64e-06	-5.25e-04	-9.10e-06
70	3	-0.06	0.08	-0.14	-2.90e-04	-3.04e-04	-3.17e-05
70	4	-0.06	-0.08	-0.11	2.74e-04	-3.04e-04	3.17e-05
70	6	-0.09	6.29e-05	-0.10	-4.44e-06	-3.81e-04	-6.07e-06
70	7	-0.05	0.05	-0.10	-1.94e-04	-2.34e-04	-2.11e-05
70	8	-0.05	-0.05	-0.09	1.82e-04	-2.34e-04	2.11e-05
70	12	-0.05	-2.61e-03	-0.10	4.18e-06	-2.59e-04	1.55e-06
70	30	-0.05	8.58e-03	-0.10	-3.68e-05	-2.42e-04	-3.99e-06
70	32	-0.05	8.55e-03	-0.10	-3.68e-05	-2.42e-04	-3.74e-06
70	44	-0.05	-1.26e-03	-0.10	0.0	-2.46e-04	0.0
70	62	-0.05	4.16e-03	-0.10	-2.04e-05	-2.38e-04	-1.93e-06
70	64	-0.05	4.14e-03	-0.10	-2.04e-05	-2.38e-04	-1.81e-06
71	2	-0.12	1.52e-04	-0.15	9.74e-06	-5.31e-04	1.10e-05

71	4	-0.06	-0.08	-0.13	2.84e-04	-3.09e-04	3.59e-05
71	6	-0.09	1.03e-04	-0.11	7.41e-06	-3.86e-04	7.47e-06
71	8	-0.05	-0.05	-0.10	1.90e-04	-2.38e-04	2.41e-05
71	12	-0.05	-2.64e-03	-0.10	1.68e-05	-2.62e-04	2.77e-06
71	16	-0.05	2.55e-03	-0.11	-2.32e-06	-2.62e-04	0.0
71	30	-0.05	8.69e-03	-0.10	-2.49e-05	-2.45e-04	-2.55e-06
71	44	-0.05	-1.27e-03	-0.10	1.17e-05	-2.50e-04	2.00e-06
71	48	-0.05	1.24e-03	-0.10	2.41e-06	-2.49e-04	0.0
71	62	-0.05	4.21e-03	-0.10	-8.51e-06	-2.41e-04	0.0
72	2	-0.12	0.0	-0.15	0.0	-5.51e-04	0.0
72	3	-0.06	0.08	-0.14	-2.75e-04	-3.22e-04	-2.11e-05
72	6	-0.09	0.0	-0.12	0.0	-4.01e-04	0.0
72	7	-0.05	0.05	-0.11	-1.83e-04	-2.47e-04	-1.41e-05
72	15	-0.05	2.53e-03	-0.11	-9.38e-06	-2.73e-04	0.0
72	30	-0.05	8.72e-03	-0.11	-3.22e-05	-2.56e-04	-3.66e-06
72	47	-0.05	1.23e-03	-0.11	-4.53e-06	-2.60e-04	0.0
72	62	-0.05	4.22e-03	-0.11	-1.56e-05	-2.52e-04	-1.77e-06
73	2	-0.12	-1.51e-04	-0.15	-9.70e-06	-5.31e-04	-1.10e-05
73	3	-0.06	0.08	-0.13	-2.84e-04	-3.09e-04	-3.59e-05
73	6	-0.09	-1.02e-04	-0.11	-7.38e-06	-3.86e-04	-7.47e-06
73	7	-0.05	0.05	-0.10	-1.90e-04	-2.38e-04	-2.41e-05
73	10	-0.05	-2.55e-03	-0.11	2.36e-06	-2.62e-04	0.0
73	14	-0.05	2.64e-03	-0.10	-1.68e-05	-2.62e-04	-2.77e-06
73	34	-0.04	-8.69e-03	-0.10	2.52e-05	-2.30e-04	2.52e-06
73	42	-0.05	-1.24e-03	-0.10	-2.38e-06	-2.49e-04	0.0
73	46	-0.05	1.27e-03	-0.10	-1.16e-05	-2.50e-04	-2.00e-06
73	66	-0.05	-4.21e-03	-0.10	8.69e-06	-2.34e-04	0.0
74	2	-0.12	-9.14e-05	-0.13	5.63e-06	-5.25e-04	9.10e-06
74	3	-0.06	0.08	-0.11	-2.74e-04	-3.04e-04	-3.17e-05
74	4	-0.06	-0.08	-0.14	2.90e-04	-3.04e-04	3.17e-05
74	6	-0.09	-6.26e-05	-0.10	4.43e-06	-3.81e-04	6.07e-06
74	7	-0.05	0.05	-0.09	-1.82e-04	-2.34e-04	-2.11e-05
74	8	-0.05	-0.05	-0.10	1.94e-04	-2.34e-04	2.11e-05
74	14	-0.05	2.61e-03	-0.10	-4.19e-06	-2.59e-04	-1.55e-06
74	26	-0.05	-8.55e-03	-0.10	3.68e-05	-2.42e-04	3.74e-06
74	28	-0.05	-8.58e-03	-0.10	3.68e-05	-2.42e-04	3.99e-06
74	46	-0.05	1.26e-03	-0.10	0.0	-2.46e-04	0.0
74	58	-0.05	-4.14e-03	-0.10	2.04e-05	-2.38e-04	1.81e-06
74	60	-0.05	-4.16e-03	-0.10	2.04e-05	-2.38e-04	1.93e-06
75	2	-0.12	7.90e-05	-0.12	-8.95e-06	-5.21e-04	-2.15e-06
75	3	-0.06	0.07	-0.11	-2.85e-04	-3.00e-04	-2.58e-05
75	4	-0.06	-0.07	-0.13	2.68e-04	-3.00e-04	2.30e-05
75	6	-0.09	5.12e-05	-0.09	-6.89e-06	-3.78e-04	-1.26e-06
75	7	-0.05	0.05	-0.08	-1.91e-04	-2.31e-04	-1.70e-05
75	8	-0.05	-0.05	-0.10	1.78e-04	-2.31e-04	1.55e-05
75	14	-0.05	2.58e-03	-0.09	-1.62e-05	-2.56e-04	0.0
75	34	-0.04	-8.47e-03	-0.09	2.50e-05	-2.23e-04	5.12e-06
75	36	-0.04	-8.47e-03	-0.09	2.50e-05	-2.23e-04	4.86e-06
75	46	-0.05	1.24e-03	-0.09	-1.14e-05	-2.43e-04	0.0
75	66	-0.05	-4.11e-03	-0.09	8.56e-06	-2.27e-04	3.14e-06
75	68	-0.05	-4.11e-03	-0.09	8.56e-06	-2.27e-04	3.01e-06
76	1	2.58e-03	0.0	-0.12	0.0	-5.70e-05	0.0
76	2	-0.12	0.0	-0.11	0.0	-5.13e-04	0.0
76	3	-0.06	0.07	-0.11	-2.75e-04	-2.87e-04	-3.90e-05
76	5	-4.53e-03	0.0	-0.09	0.0	-6.74e-05	0.0
76	6	-0.09	0.0	-0.09	0.0	-3.71e-04	0.0

76	7	-0.05	0.05	-0.09	-1.83e-04	-2.21e-04	-2.60e-05
76	15	-0.05	2.59e-03	-0.09	-9.85e-06	-2.45e-04	0.0
76	19	-0.04	-2.59e-03	-0.09	9.88e-06	-1.95e-04	0.0
76	37	-0.04	8.43e-03	-0.09	-3.22e-05	-2.12e-04	-2.52e-06
76	47	-0.05	1.25e-03	-0.09	-4.75e-06	-2.32e-04	0.0
76	51	-0.04	-1.25e-03	-0.09	4.79e-06	-2.08e-04	0.0
76	69	-0.05	4.08e-03	-0.09	-1.56e-05	-2.16e-04	-1.22e-06
77	1	0.02	-6.77e-06	-0.11	-1.23e-05	-1.44e-04	0.0
77	4	1.55e-03	-0.02	-0.12	2.24e-04	-3.27e-04	0.0
77	5	0.01	-4.55e-06	-0.08	-8.99e-06	-1.29e-04	0.0
77	8	1.03e-03	-0.01	-0.09	1.48e-04	-2.50e-04	0.0
77	18	2.12e-03	-5.72e-04	-0.08	1.86e-06	-2.25e-04	0.0
77	35	7.51e-04	-2.02e-03	-0.08	2.17e-05	-2.40e-04	0.0
77	36	7.89e-04	-1.99e-03	-0.08	2.17e-05	-2.40e-04	0.0
77	50	1.02e-03	-2.77e-04	-0.08	-2.06e-06	-2.35e-04	0.0
77	67	3.63e-04	-9.76e-04	-0.08	7.52e-06	-2.43e-04	0.0
77	68	3.82e-04	-9.63e-04	-0.08	7.53e-06	-2.43e-04	0.0
78	2	-0.16	1.52e-05	-0.13	-9.48e-06	-5.29e-04	0.0
78	3	-0.08	0.10	-0.14	-2.91e-04	-3.04e-04	-3.08e-05
78	6	-0.12	1.10e-05	-0.10	-7.34e-06	-3.84e-04	0.0
78	7	-0.06	0.06	-0.10	-1.95e-04	-2.34e-04	-2.05e-05
78	12	-0.07	-3.36e-03	-0.10	2.40e-06	-2.59e-04	1.59e-06
78	30	-0.07	0.01	-0.10	-4.00e-05	-2.42e-04	-3.81e-06
78	32	-0.07	0.01	-0.10	-4.00e-05	-2.42e-04	-3.55e-06
78	44	-0.07	-1.62e-03	-0.10	-2.76e-06	-2.46e-04	0.0
78	62	-0.07	5.33e-03	-0.10	-2.33e-05	-2.38e-04	-1.84e-06
78	64	-0.07	5.31e-03	-0.10	-2.33e-05	-2.38e-04	-1.71e-06
79	2	-0.16	-6.67e-06	-0.12	1.60e-05	-5.29e-04	1.77e-06
79	3	-0.08	0.10	-0.13	-2.64e-04	-3.02e-04	-2.89e-05
79	4	-0.08	-0.10	-0.11	2.95e-04	-3.04e-04	3.23e-05
79	6	-0.12	-4.41e-06	-0.09	1.23e-05	-3.84e-04	1.34e-06
79	7	-0.06	0.06	-0.10	-1.75e-04	-2.33e-04	-1.91e-05
79	8	-0.06	-0.06	-0.08	1.98e-04	-2.34e-04	2.17e-05
79	12	-0.07	-3.19e-03	-0.09	2.11e-05	-2.58e-04	2.75e-06
79	32	-0.07	0.01	-0.09	-2.07e-05	-2.41e-04	-2.36e-06
79	40	-0.06	0.01	-0.09	-2.03e-05	-2.26e-04	-2.61e-06
79	44	-0.07	-1.54e-03	-0.09	1.63e-05	-2.45e-04	1.96e-06
79	64	-0.07	5.28e-03	-0.09	-3.87e-06	-2.37e-04	0.0
79	72	-0.06	5.25e-03	-0.09	-3.72e-06	-2.30e-04	0.0
80	2	-0.15	2.45e-06	-0.13	1.30e-04	-5.29e-04	0.0
80	3	-0.08	0.09	-0.13	-1.50e-04	-3.04e-04	0.0
80	4	-0.08	-0.09	-0.12	4.09e-04	-3.04e-04	0.0
80	6	-0.11	1.68e-06	-0.10	9.98e-05	-3.84e-04	0.0
80	7	-0.06	0.06	-0.10	-8.69e-05	-2.34e-04	0.0
80	8	-0.06	-0.06	-0.09	2.86e-04	-2.34e-04	0.0
80	12	-0.07	-3.12e-03	-0.10	1.09e-04	-2.60e-04	0.0
80	30	-0.06	0.01	-0.10	6.73e-05	-2.42e-04	0.0
80	32	-0.06	0.01	-0.10	6.73e-05	-2.42e-04	0.0
80	44	-0.06	-1.51e-03	-0.10	1.04e-04	-2.46e-04	0.0
80	62	-0.06	4.94e-03	-0.10	8.40e-05	-2.38e-04	0.0
80	64	-0.06	4.92e-03	-0.10	8.40e-05	-2.38e-04	0.0
81	1	0.02	6.55e-06	-0.10	1.11e-05	-1.54e-04	0.0
81	2	-0.02	-6.27e-06	-0.07	3.10e-06	-4.94e-04	0.0
81	3	1.55e-03	0.02	-0.10	-2.18e-04	-3.30e-04	0.0
81	5	0.01	4.38e-06	-0.08	8.13e-06	-1.36e-04	0.0
81	6	-0.01	-4.16e-06	-0.06	2.80e-06	-3.62e-04	0.0

81	7	1.03e-03	0.01	-0.07	-1.45e-04	-2.54e-04	0.0
81	22	2.08e-03	5.76e-04	-0.07	-2.16e-06	-2.30e-04	0.0
81	24	2.12e-03	4.94e-04	-0.07	-2.00e-06	-2.30e-04	0.0
81	37	7.51e-04	1.86e-03	-0.07	-2.12e-05	-2.44e-04	0.0
81	54	1.00e-03	2.79e-04	-0.07	1.79e-06	-2.40e-04	0.0
81	56	1.02e-03	2.39e-04	-0.07	1.87e-06	-2.40e-04	0.0
81	69	3.63e-04	9.01e-04	-0.07	-7.43e-06	-2.47e-04	0.0
82	1	0.02	-6.54e-06	-0.10	-1.11e-05	-1.54e-04	0.0
82	2	-0.02	6.26e-06	-0.07	-3.10e-06	-4.94e-04	0.0
82	4	1.55e-03	-0.02	-0.10	2.18e-04	-3.30e-04	0.0
82	5	0.01	-4.38e-06	-0.08	-8.13e-06	-1.36e-04	0.0
82	6	-0.01	4.15e-06	-0.06	-2.80e-06	-3.62e-04	0.0
82	8	1.03e-03	-0.01	-0.07	1.45e-04	-2.54e-04	0.0
82	18	2.12e-03	-4.93e-04	-0.07	2.00e-06	-2.30e-04	0.0
82	20	2.08e-03	-5.76e-04	-0.07	2.16e-06	-2.30e-04	0.0
82	35	7.51e-04	-1.86e-03	-0.07	2.12e-05	-2.44e-04	0.0
82	50	1.02e-03	-2.39e-04	-0.07	-1.87e-06	-2.40e-04	0.0
82	52	1.00e-03	-2.79e-04	-0.07	-1.79e-06	-2.40e-04	0.0
82	67	3.63e-04	-9.01e-04	-0.07	7.43e-06	-2.47e-04	0.0
83	2	-0.02	-7.29e-06	-0.15	-1.29e-05	-4.78e-04	0.0
83	4	1.53e-03	-0.02	-0.15	2.29e-04	-2.92e-04	0.0
83	6	-0.01	-4.93e-06	-0.11	-9.44e-06	-3.49e-04	0.0
83	8	1.02e-03	-0.02	-0.11	1.52e-04	-2.25e-04	0.0
83	10	-2.01e-03	-6.90e-04	-0.11	1.85e-06	-2.48e-04	0.0
83	14	-2.12e-03	7.39e-04	-0.11	-1.51e-05	-2.49e-04	0.0
83	28	-4.28e-04	-2.39e-03	-0.11	2.19e-05	-2.33e-04	0.0
83	42	-9.71e-04	-3.34e-04	-0.11	-2.21e-06	-2.37e-04	0.0
83	46	-1.02e-03	3.57e-04	-0.11	-1.04e-05	-2.37e-04	0.0
83	60	-2.07e-04	-1.16e-03	-0.11	7.50e-06	-2.30e-04	0.0
84	1	0.02	5.52e-06	-0.13	-3.23e-06	-1.09e-04	0.0
84	2	-0.02	-5.80e-06	-0.19	-1.22e-05	-4.58e-04	0.0
84	4	1.53e-03	-0.03	-0.17	2.27e-04	-2.80e-04	0.0
84	6	-0.01	-3.88e-06	-0.14	-8.92e-06	-3.34e-04	0.0
84	8	1.02e-03	-0.02	-0.13	1.50e-04	-2.16e-04	0.0
84	10	-2.01e-03	-7.53e-04	-0.13	1.91e-06	-2.38e-04	0.0
84	14	-2.12e-03	8.58e-04	-0.13	-1.48e-05	-2.39e-04	0.0
84	28	-4.28e-04	-2.70e-03	-0.13	2.17e-05	-2.24e-04	0.0
84	42	-9.70e-04	-3.64e-04	-0.13	-2.16e-06	-2.28e-04	0.0
84	46	-1.02e-03	4.15e-04	-0.13	-1.03e-05	-2.28e-04	0.0
84	60	-2.07e-04	-1.31e-03	-0.13	7.43e-06	-2.21e-04	0.0
85	2	-0.16	9.91e-06	-0.15	1.47e-05	-5.31e-04	-1.04e-06
85	4	-0.08	-0.10	-0.13	2.95e-04	-3.05e-04	2.95e-05
85	6	-0.12	6.64e-06	-0.11	1.14e-05	-3.85e-04	0.0
85	8	-0.06	-0.07	-0.10	1.98e-04	-2.35e-04	1.95e-05
85	12	-0.07	-3.40e-03	-0.10	2.20e-05	-2.61e-04	0.0
85	16	-0.07	3.26e-03	-0.11	2.57e-06	-2.60e-04	-1.87e-06
85	30	-0.07	0.01	-0.10	-2.05e-05	-2.43e-04	-5.06e-06
85	44	-0.07	-1.64e-03	-0.10	1.68e-05	-2.47e-04	0.0
85	48	-0.07	1.58e-03	-0.10	7.35e-06	-2.47e-04	-1.53e-06
85	62	-0.07	5.38e-03	-0.10	-3.79e-06	-2.39e-04	-3.07e-06
86	2	-0.16	0.0	-0.15	0.0	-5.58e-04	0.0
86	3	-0.08	0.10	-0.14	-2.79e-04	-3.31e-04	-3.04e-05
86	6	-0.12	0.0	-0.12	0.0	-4.06e-04	0.0
86	7	-0.06	0.07	-0.11	-1.86e-04	-2.55e-04	-2.03e-05
86	15	-0.07	3.25e-03	-0.11	-9.44e-06	-2.81e-04	0.0
86	30	-0.07	0.01	-0.11	-3.24e-05	-2.63e-04	-3.86e-06

86	47	-0.07	1.57e-03	-0.11	-4.56e-06	-2.68e-04	0.0
86	62	-0.07	5.40e-03	-0.11	-1.57e-05	-2.59e-04	-1.87e-06
87	2	-0.16	-9.23e-06	-0.15	-1.47e-05	-5.31e-04	1.05e-06
87	3	-0.08	0.10	-0.13	-2.95e-04	-3.05e-04	-2.95e-05
87	6	-0.12	-6.14e-06	-0.11	-1.13e-05	-3.85e-04	0.0
87	7	-0.06	0.07	-0.10	-1.98e-04	-2.35e-04	-1.95e-05
87	10	-0.07	-3.26e-03	-0.11	-2.52e-06	-2.60e-04	1.88e-06
87	14	-0.07	3.40e-03	-0.10	-2.20e-05	-2.61e-04	0.0
87	30	-0.07	0.01	-0.10	-4.43e-05	-2.43e-04	-2.64e-06
87	42	-0.07	-1.58e-03	-0.10	-7.30e-06	-2.47e-04	1.54e-06
87	46	-0.07	1.64e-03	-0.10	-1.67e-05	-2.47e-04	0.0
87	62	-0.07	5.38e-03	-0.10	-2.75e-05	-2.39e-04	0.0
88	2	-0.02	7.62e-06	-0.15	1.13e-05	-4.79e-04	0.0
88	3	1.23e-03	0.02	-0.15	-2.32e-04	-2.91e-04	0.0
88	6	-0.01	5.15e-06	-0.12	8.23e-06	-3.49e-04	0.0
88	7	8.17e-04	0.02	-0.11	-1.54e-04	-2.25e-04	0.0
88	12	-2.10e-03	-7.39e-04	-0.11	1.41e-05	-2.49e-04	0.0
88	16	-2.02e-03	6.90e-04	-0.11	-2.97e-06	-2.48e-04	0.0
88	30	-4.66e-04	2.39e-03	-0.11	-2.32e-05	-2.33e-04	0.0
88	44	-1.02e-03	-3.57e-04	-0.11	9.40e-06	-2.37e-04	0.0
88	48	-9.75e-04	3.34e-04	-0.11	1.15e-06	-2.37e-04	0.0
88	62	-2.25e-04	1.16e-03	-0.11	-8.65e-06	-2.30e-04	0.0
89	1	0.02	0.0	-0.10	0.0	-1.55e-04	0.0
89	2	-0.02	0.0	-0.07	0.0	-4.93e-04	0.0
89	4	1.06e-06	-0.02	-0.09	2.27e-04	-3.24e-04	0.0
89	5	0.01	0.0	-0.08	0.0	-1.37e-04	0.0
89	6	-0.01	0.0	-0.06	0.0	-3.62e-04	0.0
89	8	0.0	-0.01	-0.07	1.51e-04	-2.49e-04	0.0
89	19	2.04e-03	-5.96e-04	-0.07	7.91e-06	-2.29e-04	0.0
89	25	-6.13e-04	-1.86e-03	-0.07	2.69e-05	-2.55e-04	0.0
89	51	9.87e-04	-2.88e-04	-0.07	3.82e-06	-2.40e-04	0.0
89	57	-2.96e-04	-9.01e-04	-0.07	1.30e-05	-2.52e-04	0.0
90	1	0.02	-4.61e-06	-0.13	2.56e-06	-1.10e-04	0.0
90	2	-0.02	4.84e-06	-0.19	1.01e-05	-4.58e-04	0.0
90	3	1.23e-03	0.03	-0.17	-2.28e-04	-2.81e-04	0.0
90	6	-0.01	3.24e-06	-0.14	7.40e-06	-3.34e-04	0.0
90	7	8.18e-04	0.02	-0.13	-1.52e-04	-2.16e-04	0.0
90	12	-2.10e-03	-8.59e-04	-0.13	1.37e-05	-2.39e-04	0.0
90	16	-2.02e-03	7.53e-04	-0.13	-3.07e-06	-2.38e-04	0.0
90	30	-4.65e-04	2.70e-03	-0.13	-2.29e-05	-2.24e-04	0.0
90	44	-1.02e-03	-4.15e-04	-0.13	9.16e-06	-2.28e-04	0.0
90	48	-9.74e-04	3.64e-04	-0.13	1.05e-06	-2.28e-04	0.0
90	62	-2.25e-04	1.31e-03	-0.13	-8.53e-06	-2.21e-04	0.0
91	1	0.02	8.48e-06	-0.12	1.03e-05	-1.26e-04	0.0
91	3	1.24e-03	0.02	-0.13	-2.30e-04	-3.16e-04	0.0
91	5	0.01	5.76e-06	-0.09	7.52e-06	-1.16e-04	0.0
91	7	8.27e-04	0.01	-0.10	-1.53e-04	-2.43e-04	0.0
91	24	2.10e-03	6.56e-04	-0.09	-2.89e-06	-2.18e-04	0.0
91	32	-4.73e-04	2.13e-03	-0.09	-2.34e-05	-2.46e-04	0.0
91	40	7.63e-04	2.14e-03	-0.09	-2.30e-05	-2.33e-04	0.0
91	56	1.02e-03	3.18e-04	-0.09	1.18e-06	-2.29e-04	0.0
91	64	-2.28e-04	1.03e-03	-0.09	-8.73e-06	-2.43e-04	0.0
91	72	3.69e-04	1.04e-03	-0.09	-8.56e-06	-2.36e-04	0.0
92	2	-0.02	8.15e-06	-0.15	1.08e-05	-4.84e-04	0.0
92	3	1.23e-03	0.02	-0.14	-2.32e-04	-2.95e-04	0.0
92	6	-0.01	5.54e-06	-0.11	7.84e-06	-3.53e-04	0.0

92	7	8.18e-04	0.01	-0.11	-1.54e-04	-2.27e-04	0.0
92	12	-2.10e-03	-7.23e-04	-0.10	1.41e-05	-2.51e-04	0.0
92	16	-2.02e-03	6.81e-04	-0.11	-2.99e-06	-2.51e-04	0.0
92	40	7.62e-04	2.35e-03	-0.10	-2.35e-05	-2.22e-04	0.0
92	44	-1.02e-03	-3.49e-04	-0.10	9.40e-06	-2.40e-04	0.0
92	48	-9.75e-04	3.30e-04	-0.10	1.15e-06	-2.39e-04	0.0
92	72	3.68e-04	1.14e-03	-0.10	-8.79e-06	-2.26e-04	0.0
93	1	0.02	7.04e-06	-0.12	1.16e-05	-1.26e-04	0.0
93	3	1.55e-03	0.02	-0.13	-2.26e-04	-3.17e-04	0.0
93	5	0.01	4.77e-06	-0.09	8.50e-06	-1.16e-04	0.0
93	7	1.03e-03	0.01	-0.10	-1.50e-04	-2.43e-04	0.0
93	24	2.12e-03	6.56e-04	-0.09	-1.83e-06	-2.18e-04	0.0
93	30	-4.27e-04	2.14e-03	-0.09	-2.20e-05	-2.46e-04	0.0
93	32	-4.38e-04	2.13e-03	-0.09	-2.21e-05	-2.46e-04	0.0
93	56	1.02e-03	3.18e-04	-0.09	2.20e-06	-2.29e-04	0.0
93	62	-2.06e-04	1.04e-03	-0.09	-7.56e-06	-2.43e-04	0.0
93	64	-2.11e-04	1.03e-03	-0.09	-7.58e-06	-2.43e-04	0.0
94	2	-0.16	-1.45e-05	-0.13	9.46e-06	-5.29e-04	0.0
94	4	-0.08	-0.10	-0.14	2.90e-04	-3.04e-04	3.08e-05
94	6	-0.12	-1.05e-05	-0.10	7.32e-06	-3.84e-04	0.0
94	8	-0.06	-0.06	-0.10	1.95e-04	-2.34e-04	2.05e-05
94	14	-0.07	3.36e-03	-0.10	-2.42e-06	-2.59e-04	-1.59e-06
94	26	-0.07	-0.01	-0.10	4.00e-05	-2.42e-04	3.55e-06
94	34	-0.06	-0.01	-0.10	4.01e-05	-2.26e-04	3.83e-06
94	46	-0.07	1.62e-03	-0.10	2.74e-06	-2.46e-04	0.0
94	58	-0.07	-5.31e-03	-0.10	2.33e-05	-2.38e-04	1.71e-06
94	66	-0.06	-5.33e-03	-0.10	2.33e-05	-2.30e-04	1.85e-06
95	2	-0.16	7.35e-06	-0.12	-1.60e-05	-5.29e-04	-1.78e-06
95	3	-0.08	0.10	-0.11	-2.95e-04	-3.04e-04	-3.23e-05
95	4	-0.08	-0.10	-0.13	2.65e-04	-3.02e-04	2.88e-05
95	6	-0.12	4.91e-06	-0.09	-1.22e-05	-3.84e-04	-1.35e-06
95	7	-0.06	0.06	-0.08	-1.98e-04	-2.34e-04	-2.17e-05
95	8	-0.06	-0.06	-0.10	1.75e-04	-2.33e-04	1.91e-05
95	14	-0.07	3.19e-03	-0.09	-2.10e-05	-2.58e-04	-2.76e-06
95	34	-0.06	-0.01	-0.09	2.04e-05	-2.26e-04	2.60e-06
95	38	-0.06	0.01	-0.09	-4.43e-05	-2.26e-04	-4.81e-06
95	46	-0.07	1.54e-03	-0.09	-1.63e-05	-2.45e-04	-1.97e-06
95	66	-0.06	-5.25e-03	-0.09	3.77e-06	-2.30e-04	0.0
95	70	-0.06	5.28e-03	-0.09	-2.75e-05	-2.29e-04	-2.96e-06
96	2	-0.02	6.64e-06	-0.15	1.22e-05	-4.83e-04	0.0
96	3	1.54e-03	0.02	-0.15	-2.28e-04	-2.95e-04	0.0
96	6	-0.01	4.51e-06	-0.11	8.92e-06	-3.53e-04	0.0
96	7	1.02e-03	0.01	-0.11	-1.51e-04	-2.27e-04	0.0
96	12	-2.12e-03	-7.23e-04	-0.10	1.50e-05	-2.51e-04	0.0
96	30	-4.28e-04	2.35e-03	-0.11	-2.19e-05	-2.35e-04	0.0
96	32	-4.39e-04	2.33e-03	-0.11	-2.19e-05	-2.35e-04	0.0
96	44	-1.02e-03	-3.49e-04	-0.10	1.04e-05	-2.40e-04	0.0
96	62	-2.07e-04	1.14e-03	-0.10	-7.47e-06	-2.32e-04	0.0
96	64	-2.12e-04	1.13e-03	-0.10	-7.49e-06	-2.32e-04	0.0
97	2	-0.02	7.30e-06	-0.15	1.29e-05	-4.78e-04	0.0
97	3	1.53e-03	0.02	-0.15	-2.29e-04	-2.92e-04	0.0
97	6	-0.01	4.94e-06	-0.11	9.43e-06	-3.49e-04	0.0
97	7	1.02e-03	0.02	-0.11	-1.52e-04	-2.25e-04	0.0
97	12	-2.12e-03	-7.39e-04	-0.11	1.50e-05	-2.49e-04	0.0
97	16	-2.01e-03	6.90e-04	-0.11	-1.85e-06	-2.48e-04	0.0
97	30	-4.28e-04	2.39e-03	-0.11	-2.19e-05	-2.33e-04	0.0

97	44	-1.02e-03	-3.57e-04	-0.11	1.04e-05	-2.37e-04	0.0
97	48	-9.71e-04	3.34e-04	-0.11	2.21e-06	-2.37e-04	0.0
97	62	-2.07e-04	1.16e-03	-0.11	-7.50e-06	-2.30e-04	0.0
98	2	-0.15	-1.85e-06	-0.13	-1.29e-04	-5.29e-04	0.0
98	3	-0.08	0.09	-0.12	-4.08e-04	-3.04e-04	0.0
98	4	-0.08	-0.09	-0.13	1.51e-04	-3.04e-04	0.0
98	6	-0.11	-1.24e-06	-0.10	-9.96e-05	-3.84e-04	0.0
98	7	-0.06	0.06	-0.09	-2.85e-04	-2.34e-04	0.0
98	8	-0.06	-0.06	-0.10	8.71e-05	-2.34e-04	0.0
98	14	-0.07	3.12e-03	-0.10	-1.08e-04	-2.60e-04	0.0
98	26	-0.06	-0.01	-0.10	-6.71e-05	-2.42e-04	0.0
98	34	-0.06	-0.01	-0.10	-6.75e-05	-2.27e-04	0.0
98	46	-0.06	1.51e-03	-0.10	-1.04e-04	-2.46e-04	0.0
98	58	-0.06	-4.92e-03	-0.10	-8.38e-05	-2.38e-04	0.0
98	66	-0.06	-4.94e-03	-0.10	-8.40e-05	-2.30e-04	0.0
99	1	-3.01e-03	0.0	-0.12	0.0	-5.08e-05	0.0
99	2	-0.16	0.0	-0.11	0.0	-5.02e-04	0.0
99	3	-0.08	0.10	-0.11	-2.79e-04	-2.78e-04	-3.15e-05
99	5	-0.01	0.0	-0.09	0.0	-6.23e-05	0.0
99	6	-0.12	0.0	-0.09	0.0	-3.63e-04	0.0
99	7	-0.06	0.06	-0.09	-1.86e-04	-2.13e-04	-2.10e-05
99	15	-0.07	3.33e-03	-0.09	-9.91e-06	-2.38e-04	0.0
99	19	-0.06	-3.33e-03	-0.09	9.96e-06	-1.88e-04	0.0
99	37	-0.06	0.01	-0.09	-3.24e-05	-2.06e-04	-2.66e-06
99	47	-0.07	1.61e-03	-0.09	-4.78e-06	-2.25e-04	0.0
99	51	-0.06	-1.61e-03	-0.09	4.83e-06	-2.01e-04	0.0
99	69	-0.06	5.26e-03	-0.09	-1.57e-05	-2.10e-04	-1.29e-06
100	2	-0.02	2.21e-06	-0.13	8.09e-06	-4.93e-04	0.0
100	3	1.54e-03	0.02	-0.14	-2.27e-04	-3.06e-04	0.0
100	4	-1.54e-03	-0.02	-0.11	2.43e-04	-3.03e-04	0.0
100	6	-0.01	1.59e-06	-0.10	6.20e-06	-3.60e-04	0.0
100	7	1.03e-03	0.01	-0.10	-1.51e-04	-2.35e-04	0.0
100	12	-2.12e-03	-6.86e-04	-0.10	1.46e-05	-2.56e-04	0.0
100	30	-4.28e-04	2.24e-03	-0.10	-2.19e-05	-2.41e-04	0.0
100	32	-4.38e-04	2.23e-03	-0.10	-2.19e-05	-2.41e-04	0.0
100	44	-1.02e-03	-3.31e-04	-0.10	1.02e-05	-2.45e-04	0.0
100	62	-2.06e-04	1.09e-03	-0.10	-7.45e-06	-2.37e-04	0.0
100	64	-2.12e-04	1.08e-03	-0.10	-7.46e-06	-2.37e-04	0.0
101	1	0.02	-5.53e-06	-0.13	3.23e-06	-1.09e-04	0.0
101	2	-0.02	5.81e-06	-0.19	1.22e-05	-4.58e-04	0.0
101	3	1.53e-03	0.03	-0.17	-2.27e-04	-2.80e-04	0.0
101	6	-0.01	3.89e-06	-0.14	8.92e-06	-3.34e-04	0.0
101	7	1.02e-03	0.02	-0.13	-1.50e-04	-2.16e-04	0.0
101	12	-2.12e-03	-8.58e-04	-0.13	1.48e-05	-2.39e-04	0.0
101	16	-2.01e-03	7.53e-04	-0.13	-1.91e-06	-2.38e-04	0.0
101	30	-4.28e-04	2.70e-03	-0.13	-2.17e-05	-2.24e-04	0.0
101	44	-1.02e-03	-4.15e-04	-0.13	1.03e-05	-2.28e-04	0.0
101	48	-9.70e-04	3.64e-04	-0.13	2.16e-06	-2.28e-04	0.0
101	62	-2.07e-04	1.31e-03	-0.13	-7.43e-06	-2.21e-04	0.0
102	2	-0.18	1.21e-05	-0.13	-7.12e-06	-5.30e-04	0.0
102	3	-0.09	0.10	-0.14	-2.87e-04	-3.04e-04	-3.07e-05
102	4	-0.09	-0.10	-0.11	2.72e-04	-3.04e-04	3.07e-05
102	6	-0.13	8.40e-06	-0.10	-5.49e-06	-3.84e-04	0.0
102	7	-0.07	0.07	-0.10	-1.92e-04	-2.34e-04	-2.05e-05
102	8	-0.07	-0.07	-0.09	1.81e-04	-2.34e-04	2.05e-05
102	12	-0.08	-3.62e-03	-0.10	3.92e-06	-2.59e-04	1.57e-06

102	32	-0.07	0.01	-0.10	-3.78e-05	-2.42e-04	-3.55e-06
102	40	-0.07	0.01	-0.10	-3.77e-05	-2.27e-04	-3.83e-06
102	44	-0.07	-1.75e-03	-0.10	0.0	-2.46e-04	0.0
102	64	-0.07	5.70e-03	-0.10	-2.12e-05	-2.38e-04	-1.72e-06
102	72	-0.07	5.72e-03	-0.10	-2.11e-05	-2.30e-04	-1.85e-06
103	1	0.02	7.70e-06	-0.12	1.23e-05	-1.32e-04	0.0
103	3	1.55e-03	0.02	-0.13	-2.26e-04	-3.21e-04	0.0
103	5	0.01	5.21e-06	-0.09	9.00e-06	-1.20e-04	0.0
103	7	1.03e-03	0.01	-0.10	-1.50e-04	-2.46e-04	0.0
103	24	2.12e-03	6.12e-04	-0.09	-1.78e-06	-2.20e-04	0.0
103	37	7.51e-04	2.10e-03	-0.09	-2.17e-05	-2.36e-04	0.0
103	38	7.89e-04	2.10e-03	-0.09	-2.17e-05	-2.36e-04	0.0
103	56	1.02e-03	2.96e-04	-0.09	2.20e-06	-2.31e-04	0.0
103	69	3.63e-04	1.02e-03	-0.09	-7.45e-06	-2.38e-04	0.0
103	70	3.82e-04	1.02e-03	-0.09	-7.46e-06	-2.38e-04	0.0
104	1	0.02	-7.70e-06	-0.12	-1.23e-05	-1.32e-04	0.0
104	4	1.55e-03	-0.02	-0.13	2.26e-04	-3.21e-04	0.0
104	5	0.01	-5.21e-06	-0.09	-9.00e-06	-1.20e-04	0.0
104	8	1.03e-03	-0.01	-0.10	1.50e-04	-2.46e-04	0.0
104	18	2.12e-03	-6.12e-04	-0.09	1.77e-06	-2.20e-04	0.0
104	35	7.51e-04	-2.10e-03	-0.09	2.17e-05	-2.36e-04	0.0
104	36	7.89e-04	-2.10e-03	-0.09	2.17e-05	-2.36e-04	0.0
104	50	1.02e-03	-2.96e-04	-0.09	-2.20e-06	-2.31e-04	0.0
104	67	3.63e-04	-1.02e-03	-0.09	7.45e-06	-2.38e-04	0.0
104	68	3.82e-04	-1.02e-03	-0.09	7.46e-06	-2.38e-04	0.0
105	1	-8.83e-03	0.0	-0.12	0.0	-6.86e-05	0.0
105	2	-0.20	0.0	-0.11	0.0	-5.25e-04	0.0
105	3	-0.11	0.12	-0.11	-2.79e-04	-2.97e-04	-4.17e-05
105	5	-0.02	0.0	-0.09	0.0	-7.62e-05	0.0
105	6	-0.15	0.0	-0.09	0.0	-3.80e-04	0.0
105	7	-0.08	0.08	-0.09	-1.86e-04	-2.28e-04	-2.78e-05
105	15	-0.09	4.08e-03	-0.09	-9.45e-06	-2.54e-04	0.0
105	19	-0.07	-4.08e-03	-0.09	9.47e-06	-2.02e-04	0.0
105	37	-0.08	0.01	-0.09	-3.22e-05	-2.20e-04	-2.65e-06
105	47	-0.09	1.97e-03	-0.09	-4.57e-06	-2.41e-04	0.0
105	51	-0.08	-1.97e-03	-0.09	4.59e-06	-2.16e-04	0.0
105	69	-0.08	6.43e-03	-0.09	-1.56e-05	-2.24e-04	-1.28e-06
106	2	-0.15	0.0	-0.14	0.0	-5.29e-04	0.0
106	3	-0.08	0.09	-0.13	-2.79e-04	-3.05e-04	0.0
106	6	-0.11	0.0	-0.11	0.0	-3.84e-04	0.0
106	7	-0.06	0.06	-0.10	-1.86e-04	-2.34e-04	0.0
106	12	-0.07	-3.12e-03	-0.10	9.91e-06	-2.60e-04	0.0
106	16	-0.07	2.99e-03	-0.10	-9.78e-06	-2.60e-04	0.0
106	30	-0.06	0.01	-0.10	-3.26e-05	-2.42e-04	0.0
106	44	-0.06	-1.51e-03	-0.10	4.95e-06	-2.47e-04	0.0
106	48	-0.06	1.45e-03	-0.10	-4.58e-06	-2.47e-04	0.0
106	62	-0.06	4.94e-03	-0.10	-1.56e-05	-2.38e-04	0.0
107	1	0.02	0.0	-0.13	0.0	-1.10e-04	0.0
107	2	-0.02	0.0	-0.19	0.0	-4.57e-04	0.0
107	4	-1.42e-06	-0.03	-0.16	2.36e-04	-2.84e-04	0.0
107	5	0.01	0.0	-0.11	0.0	-1.02e-04	0.0
107	6	-0.01	0.0	-0.14	0.0	-3.34e-04	0.0
107	8	-1.01e-06	-0.02	-0.12	1.57e-04	-2.18e-04	0.0
107	15	-2.05e-03	7.15e-04	-0.13	-8.62e-06	-2.38e-04	0.0
107	28	-6.14e-04	-2.70e-03	-0.13	2.80e-05	-2.24e-04	0.0
107	47	-9.88e-04	3.46e-04	-0.13	-4.17e-06	-2.28e-04	0.0

107	60	-2.97e-04	-1.31e-03	-0.13	1.36e-05	-2.21e-04	0.0
108	1	0.02	-7.04e-06	-0.12	-1.16e-05	-1.26e-04	0.0
108	4	1.55e-03	-0.02	-0.13	2.26e-04	-3.17e-04	0.0
108	5	0.01	-4.77e-06	-0.09	-8.50e-06	-1.16e-04	0.0
108	8	1.03e-03	-0.01	-0.10	1.50e-04	-2.43e-04	0.0
108	18	2.12e-03	-6.56e-04	-0.09	1.83e-06	-2.18e-04	0.0
108	26	-4.38e-04	-2.13e-03	-0.09	2.21e-05	-2.46e-04	0.0
108	28	-4.27e-04	-2.14e-03	-0.09	2.20e-05	-2.46e-04	0.0
108	50	1.02e-03	-3.18e-04	-0.09	-2.21e-06	-2.29e-04	0.0
108	58	-2.11e-04	-1.03e-03	-0.09	7.58e-06	-2.43e-04	0.0
108	60	-2.06e-04	-1.04e-03	-0.09	7.56e-06	-2.43e-04	0.0
109	1	0.02	-1.11e-05	-0.10	-1.72e-05	-1.54e-04	0.0
109	4	3.88e-03	-0.02	-0.11	2.11e-04	-3.36e-04	0.0
109	5	0.01	-7.44e-06	-0.08	-1.27e-05	-1.36e-04	0.0
109	8	2.58e-03	-0.01	-0.08	1.40e-04	-2.57e-04	0.0
109	18	2.22e-03	-4.94e-04	-0.07	-1.93e-06	-2.30e-04	0.0
109	35	9.57e-04	-1.86e-03	-0.07	1.72e-05	-2.45e-04	0.0
109	36	1.05e-03	-1.79e-03	-0.07	1.72e-05	-2.45e-04	0.0
109	50	1.07e-03	-2.39e-04	-0.07	-5.69e-06	-2.40e-04	0.0
109	67	4.63e-04	-9.01e-04	-0.07	3.58e-06	-2.47e-04	0.0
109	68	5.09e-04	-8.68e-04	-0.07	3.58e-06	-2.47e-04	0.0
110	1	0.02	1.11e-05	-0.10	1.72e-05	-1.54e-04	0.0
110	3	3.88e-03	0.02	-0.11	-2.11e-04	-3.36e-04	0.0
110	5	0.01	7.45e-06	-0.08	1.27e-05	-1.36e-04	0.0
110	7	2.58e-03	0.01	-0.08	-1.40e-04	-2.57e-04	0.0
110	24	2.22e-03	4.94e-04	-0.07	1.93e-06	-2.30e-04	0.0
110	37	9.57e-04	1.86e-03	-0.07	-1.72e-05	-2.45e-04	0.0
110	38	1.05e-03	1.79e-03	-0.07	-1.72e-05	-2.45e-04	0.0
110	56	1.07e-03	2.39e-04	-0.07	5.69e-06	-2.40e-04	0.0
110	69	4.63e-04	9.01e-04	-0.07	-3.58e-06	-2.47e-04	0.0
110	70	5.09e-04	8.68e-04	-0.07	-3.59e-06	-2.47e-04	0.0
111	2	-0.18	-2.70e-05	-0.12	8.74e-06	-5.27e-04	1.95e-06
111	3	-0.09	0.10	-0.13	-2.72e-04	-3.00e-04	-2.85e-05
111	4	-0.09	-0.10	-0.11	2.88e-04	-3.02e-04	3.07e-05
111	6	-0.13	-1.89e-05	-0.09	6.64e-06	-3.82e-04	1.39e-06
111	7	-0.07	0.07	-0.10	-1.81e-04	-2.31e-04	-1.89e-05
111	8	-0.07	-0.07	-0.08	1.93e-04	-2.32e-04	2.05e-05
111	12	-0.08	-3.43e-03	-0.09	1.62e-05	-2.57e-04	2.24e-06
111	36	-0.07	-0.01	-0.09	3.84e-05	-2.24e-04	4.29e-06
111	40	-0.07	0.01	-0.09	-2.63e-05	-2.24e-04	-3.14e-06
111	44	-0.07	-1.66e-03	-0.09	1.10e-05	-2.44e-04	1.44e-06
111	68	-0.07	-5.68e-03	-0.09	2.17e-05	-2.28e-04	2.44e-06
111	72	-0.07	5.64e-03	-0.09	-9.57e-06	-2.28e-04	-1.15e-06
112	2	-0.18	1.36e-05	-0.15	7.03e-06	-5.34e-04	0.0
112	4	-0.09	-0.10	-0.13	2.88e-04	-3.07e-04	3.11e-05
112	6	-0.13	8.18e-06	-0.11	5.50e-06	-3.87e-04	0.0
112	8	-0.07	-0.07	-0.10	1.93e-04	-2.36e-04	2.06e-05
112	12	-0.08	-3.65e-03	-0.10	1.55e-05	-2.62e-04	0.0
112	16	-0.08	3.49e-03	-0.11	-3.92e-06	-2.62e-04	-1.38e-06
112	34	-0.07	-0.01	-0.10	3.85e-05	-2.29e-04	3.14e-06
112	44	-0.07	-1.77e-03	-0.10	1.06e-05	-2.49e-04	0.0
112	48	-0.07	1.68e-03	-0.10	1.24e-06	-2.49e-04	-1.03e-06
112	66	-0.07	-5.78e-03	-0.10	2.18e-05	-2.33e-04	1.16e-06
113	2	-0.18	0.0	-0.15	0.0	-5.48e-04	0.0
113	3	-0.09	0.10	-0.14	-2.80e-04	-3.23e-04	-3.01e-05
113	6	-0.13	0.0	-0.12	0.0	-3.98e-04	0.0

113	7	-0.07	0.07	-0.11	-1.86e-04	-2.48e-04	-2.01e-05
113	15	-0.08	3.48e-03	-0.11	-9.91e-06	-2.73e-04	0.0
113	30	-0.07	0.01	-0.11	-3.23e-05	-2.56e-04	-3.86e-06
113	47	-0.07	1.69e-03	-0.11	-4.78e-06	-2.60e-04	0.0
113	62	-0.07	5.79e-03	-0.11	-1.56e-05	-2.52e-04	-1.87e-06
114	2	-0.02	-2.21e-06	-0.13	-8.10e-06	-4.93e-04	0.0
114	3	-1.54e-03	0.02	-0.11	-2.43e-04	-3.03e-04	0.0
114	4	1.54e-03	-0.02	-0.14	2.27e-04	-3.06e-04	0.0
114	6	-0.01	-1.59e-06	-0.10	-6.20e-06	-3.60e-04	0.0
114	8	1.03e-03	-0.01	-0.10	1.51e-04	-2.35e-04	0.0
114	14	-2.12e-03	6.86e-04	-0.10	-1.46e-05	-2.56e-04	0.0
114	26	-4.38e-04	-2.23e-03	-0.10	2.19e-05	-2.41e-04	0.0
114	34	8.00e-04	-2.24e-03	-0.10	2.20e-05	-2.28e-04	0.0
114	46	-1.02e-03	3.31e-04	-0.10	-1.02e-05	-2.45e-04	0.0
114	58	-2.12e-04	-1.08e-03	-0.10	7.46e-06	-2.37e-04	0.0
114	66	3.86e-04	-1.09e-03	-0.10	7.51e-06	-2.31e-04	0.0
115	2	-0.02	-5.04e-06	-0.15	-1.52e-05	-4.74e-04	0.0
115	3	-3.85e-03	0.02	-0.11	-2.41e-04	-2.96e-04	0.0
115	4	3.85e-03	-0.02	-0.17	2.18e-04	-2.95e-04	0.0
115	6	-0.01	-3.41e-06	-0.11	-1.13e-05	-3.46e-04	0.0
115	7	-2.56e-03	0.02	-0.09	-1.62e-04	-2.27e-04	0.0
115	8	2.56e-03	-0.02	-0.12	1.44e-04	-2.27e-04	0.0
115	14	-2.22e-03	7.39e-04	-0.11	-1.74e-05	-2.48e-04	0.0
115	26	-1.76e-04	-2.37e-03	-0.11	1.84e-05	-2.33e-04	0.0
115	28	-1.49e-04	-2.39e-03	-0.11	1.83e-05	-2.33e-04	0.0
115	46	-1.07e-03	3.57e-04	-0.11	-1.30e-05	-2.37e-04	0.0
115	58	-8.45e-05	-1.15e-03	-0.11	4.34e-06	-2.30e-04	0.0
115	60	-7.15e-05	-1.16e-03	-0.11	4.32e-06	-2.30e-04	0.0
116	2	-0.02	5.05e-06	-0.15	1.52e-05	-4.74e-04	0.0
116	3	3.85e-03	0.02	-0.17	-2.18e-04	-2.95e-04	0.0
116	4	-3.85e-03	-0.02	-0.11	2.41e-04	-2.96e-04	0.0
116	6	-0.01	3.42e-06	-0.11	1.13e-05	-3.46e-04	0.0
116	7	2.56e-03	0.02	-0.12	-1.44e-04	-2.27e-04	0.0
116	8	-2.56e-03	-0.02	-0.09	1.62e-04	-2.27e-04	0.0
116	12	-2.22e-03	-7.39e-04	-0.11	1.74e-05	-2.48e-04	0.0
116	30	-1.49e-04	2.39e-03	-0.11	-1.83e-05	-2.33e-04	0.0
116	32	-1.76e-04	2.37e-03	-0.11	-1.84e-05	-2.33e-04	0.0
116	44	-1.07e-03	-3.57e-04	-0.11	1.30e-05	-2.37e-04	0.0
116	62	-7.15e-05	1.16e-03	-0.11	-4.32e-06	-2.30e-04	0.0
116	64	-8.46e-05	1.15e-03	-0.11	-4.34e-06	-2.30e-04	0.0
117	2	-0.02	-6.63e-06	-0.15	-1.22e-05	-4.83e-04	0.0
117	4	1.54e-03	-0.02	-0.15	2.28e-04	-2.95e-04	0.0
117	6	-0.01	-4.50e-06	-0.11	-8.92e-06	-3.53e-04	0.0
117	8	1.02e-03	-0.01	-0.11	1.51e-04	-2.27e-04	0.0
117	14	-2.12e-03	7.23e-04	-0.10	-1.50e-05	-2.51e-04	0.0
117	26	-4.39e-04	-2.33e-03	-0.11	2.19e-05	-2.35e-04	0.0
117	28	-4.28e-04	-2.35e-03	-0.11	2.19e-05	-2.35e-04	0.0
117	46	-1.02e-03	3.49e-04	-0.10	-1.04e-05	-2.40e-04	0.0
117	58	-2.12e-04	-1.13e-03	-0.10	7.49e-06	-2.32e-04	0.0
117	60	-2.07e-04	-1.14e-03	-0.10	7.47e-06	-2.32e-04	0.0
118	2	-0.18	-1.29e-05	-0.15	-6.98e-06	-5.34e-04	0.0
118	3	-0.09	0.10	-0.13	-2.88e-04	-3.07e-04	-3.11e-05
118	6	-0.13	-7.64e-06	-0.11	-5.46e-06	-3.87e-04	0.0
118	7	-0.07	0.07	-0.10	-1.93e-04	-2.36e-04	-2.06e-05
118	10	-0.08	-3.49e-03	-0.11	3.95e-06	-2.62e-04	1.38e-06
118	14	-0.08	3.65e-03	-0.10	-1.54e-05	-2.62e-04	0.0

118	30	-0.07	0.01	-0.10	-3.82e-05	-2.44e-04	-3.14e-06
118	42	-0.07	-1.68e-03	-0.10	-1.21e-06	-2.49e-04	1.03e-06
118	46	-0.07	1.77e-03	-0.10	-1.06e-05	-2.49e-04	0.0
118	62	-0.07	5.78e-03	-0.10	-2.16e-05	-2.41e-04	-1.15e-06
119	2	-0.18	-1.14e-05	-0.13	7.11e-06	-5.30e-04	0.0
119	3	-0.09	0.10	-0.11	-2.72e-04	-3.04e-04	-3.07e-05
119	4	-0.09	-0.10	-0.14	2.87e-04	-3.04e-04	3.07e-05
119	6	-0.13	-7.86e-06	-0.10	5.48e-06	-3.84e-04	0.0
119	7	-0.07	0.07	-0.09	-1.81e-04	-2.34e-04	-2.05e-05
119	8	-0.07	-0.07	-0.10	1.92e-04	-2.34e-04	2.05e-05
119	14	-0.08	3.62e-03	-0.10	-3.93e-06	-2.59e-04	-1.57e-06
119	26	-0.07	-0.01	-0.10	3.78e-05	-2.42e-04	3.55e-06
119	34	-0.07	-0.01	-0.10	3.77e-05	-2.27e-04	3.83e-06
119	46	-0.07	1.75e-03	-0.10	0.0	-2.46e-04	0.0
119	58	-0.07	-5.70e-03	-0.10	2.12e-05	-2.38e-04	1.72e-06
119	66	-0.07	-5.72e-03	-0.10	2.11e-05	-2.30e-04	1.85e-06
120	2	-0.18	2.77e-05	-0.12	-8.69e-06	-5.27e-04	-1.95e-06
120	3	-0.09	0.10	-0.11	-2.88e-04	-3.02e-04	-3.07e-05
120	4	-0.09	-0.10	-0.13	2.72e-04	-3.00e-04	2.85e-05
120	6	-0.13	1.95e-05	-0.09	-6.61e-06	-3.82e-04	-1.39e-06
120	7	-0.07	0.07	-0.08	-1.93e-04	-2.32e-04	-2.05e-05
120	8	-0.07	-0.07	-0.10	1.81e-04	-2.31e-04	1.89e-05
120	14	-0.08	3.43e-03	-0.09	-1.61e-05	-2.57e-04	-2.24e-06
120	34	-0.07	-0.01	-0.09	2.64e-05	-2.24e-04	3.13e-06
120	38	-0.07	0.01	-0.09	-3.83e-05	-2.24e-04	-4.29e-06
120	46	-0.07	1.66e-03	-0.09	-1.09e-05	-2.44e-04	-1.44e-06
120	66	-0.07	-5.64e-03	-0.09	9.61e-06	-2.28e-04	1.15e-06
120	70	-0.07	5.68e-03	-0.09	-2.17e-05	-2.28e-04	-2.44e-06
121	1	0.02	-6.43e-06	-0.11	-1.37e-05	-1.36e-04	0.0
121	3	-3.87e-03	0.02	-0.08	-2.38e-04	-3.04e-04	0.0
121	4	3.87e-03	-0.02	-0.14	2.16e-04	-3.22e-04	0.0
121	5	0.01	-4.34e-06	-0.09	-1.03e-05	-1.23e-04	0.0
121	7	-2.58e-03	0.01	-0.07	-1.60e-04	-2.35e-04	0.0
121	8	2.58e-03	-0.01	-0.11	1.43e-04	-2.47e-04	0.0
121	18	2.22e-03	-6.12e-04	-0.09	0.0	-2.21e-04	0.0
121	35	9.56e-04	-2.10e-03	-0.09	1.82e-05	-2.36e-04	0.0
121	36	1.05e-03	-2.10e-03	-0.09	1.82e-05	-2.36e-04	0.0
121	50	1.07e-03	-2.96e-04	-0.09	-4.94e-06	-2.31e-04	0.0
121	67	4.62e-04	-1.02e-03	-0.09	4.33e-06	-2.38e-04	0.0
121	68	5.08e-04	-1.01e-03	-0.09	4.34e-06	-2.38e-04	0.0
122	1	0.02	6.43e-06	-0.11	1.37e-05	-1.36e-04	0.0
122	3	3.87e-03	0.02	-0.14	-2.16e-04	-3.22e-04	0.0
122	4	-3.87e-03	-0.02	-0.08	2.38e-04	-3.04e-04	0.0
122	5	0.01	4.34e-06	-0.09	1.03e-05	-1.23e-04	0.0
122	7	2.58e-03	0.01	-0.11	-1.43e-04	-2.47e-04	0.0
122	8	-2.58e-03	-0.01	-0.07	1.60e-04	-2.35e-04	0.0
122	24	2.22e-03	6.12e-04	-0.09	0.0	-2.21e-04	0.0
122	37	9.56e-04	2.10e-03	-0.09	-1.82e-05	-2.36e-04	0.0
122	38	1.05e-03	2.10e-03	-0.09	-1.82e-05	-2.36e-04	0.0
122	56	1.07e-03	2.96e-04	-0.09	4.94e-06	-2.31e-04	0.0
122	69	4.62e-04	1.02e-03	-0.09	-4.34e-06	-2.38e-04	0.0
122	70	5.08e-04	1.01e-03	-0.09	-4.34e-06	-2.38e-04	0.0
123	2	-0.02	0.0	-0.13	-1.18e-05	-4.84e-04	0.0
123	3	-3.86e-03	0.02	-0.10	-2.40e-04	-3.00e-04	0.0
123	4	3.86e-03	-0.02	-0.15	2.17e-04	-3.09e-04	0.0
123	6	-0.01	0.0	-0.10	-9.05e-06	-3.54e-04	0.0

123	7	-2.57e-03	0.01	-0.08	-1.61e-04	-2.31e-04	0.0
123	8	2.57e-03	-0.01	-0.12	1.44e-04	-2.37e-04	0.0
123	14	-2.22e-03	6.86e-04	-0.10	-1.70e-05	-2.55e-04	0.0
123	26	-1.75e-04	-2.23e-03	-0.10	1.85e-05	-2.41e-04	0.0
123	34	1.08e-03	-2.24e-03	-0.10	1.86e-05	-2.28e-04	0.0
123	46	-1.07e-03	3.32e-04	-0.10	-1.27e-05	-2.44e-04	0.0
123	58	-8.40e-05	-1.08e-03	-0.10	4.47e-06	-2.37e-04	0.0
123	66	5.21e-04	-1.08e-03	-0.10	4.53e-06	-2.31e-04	0.0
124	2	-0.02	0.0	-0.13	0.0	-4.98e-04	0.0
124	3	0.0	0.02	-0.13	-2.48e-04	-3.04e-04	0.0
124	6	-0.01	0.0	-0.10	0.0	-3.63e-04	0.0
124	7	0.0	0.01	-0.10	-1.65e-04	-2.34e-04	0.0
124	15	-2.05e-03	6.48e-04	-0.10	-9.06e-06	-2.57e-04	0.0
124	30	-6.14e-04	2.24e-03	-0.10	-2.96e-05	-2.41e-04	0.0
124	47	-9.88e-04	3.13e-04	-0.10	-4.38e-06	-2.45e-04	0.0
124	62	-2.97e-04	1.09e-03	-0.10	-1.43e-05	-2.37e-04	0.0
125	2	-0.02	0.0	-0.13	1.18e-05	-4.84e-04	0.0
125	3	3.86e-03	0.02	-0.15	-2.17e-04	-3.09e-04	0.0
125	4	-3.86e-03	-0.02	-0.10	2.40e-04	-3.00e-04	0.0
125	6	-0.01	0.0	-0.10	9.04e-06	-3.54e-04	0.0
125	7	2.57e-03	0.01	-0.12	-1.44e-04	-2.37e-04	0.0
125	8	-2.57e-03	-0.01	-0.08	1.61e-04	-2.31e-04	0.0
125	12	-2.22e-03	-6.86e-04	-0.10	1.70e-05	-2.55e-04	0.0
125	32	-1.75e-04	2.23e-03	-0.10	-1.85e-05	-2.41e-04	0.0
125	40	1.08e-03	2.24e-03	-0.10	-1.86e-05	-2.28e-04	0.0
125	44	-1.07e-03	-3.32e-04	-0.10	1.27e-05	-2.44e-04	0.0
125	64	-8.40e-05	1.08e-03	-0.10	-4.48e-06	-2.37e-04	0.0
125	72	5.21e-04	1.08e-03	-0.10	-4.53e-06	-2.31e-04	0.0
126	1	0.02	-5.34e-06	-0.12	-1.28e-05	-1.33e-04	0.0
126	3	-3.86e-03	0.02	-0.09	-2.39e-04	-3.03e-04	0.0
126	4	3.86e-03	-0.02	-0.15	2.16e-04	-3.19e-04	0.0
126	5	0.01	-3.62e-06	-0.09	-9.70e-06	-1.20e-04	0.0
126	7	-2.58e-03	0.01	-0.07	-1.60e-04	-2.34e-04	0.0
126	8	2.58e-03	-0.01	-0.11	1.43e-04	-2.44e-04	0.0
126	18	2.22e-03	-6.55e-04	-0.09	0.0	-2.19e-04	0.0
126	26	-1.74e-04	-2.13e-03	-0.09	1.85e-05	-2.46e-04	0.0
126	28	-1.47e-04	-2.14e-03	-0.09	1.84e-05	-2.46e-04	0.0
126	50	1.07e-03	-3.17e-04	-0.09	-4.86e-06	-2.29e-04	0.0
126	58	-8.35e-05	-1.03e-03	-0.09	4.48e-06	-2.42e-04	0.0
126	60	-7.04e-05	-1.03e-03	-0.09	4.46e-06	-2.42e-04	0.0
127	1	0.02	0.0	-0.12	0.0	-1.23e-04	0.0
127	2	-0.02	0.0	-0.12	0.0	-4.99e-04	0.0
127	3	2.04e-06	0.02	-0.12	-2.45e-04	-3.11e-04	0.0
127	5	0.01	0.0	-0.09	0.0	-1.14e-04	0.0
127	6	-0.01	0.0	-0.09	0.0	-3.65e-04	0.0
127	7	1.48e-06	0.01	-0.09	-1.63e-04	-2.39e-04	0.0
127	11	-2.05e-03	-6.54e-04	-0.09	8.98e-06	-2.61e-04	0.0
127	19	2.05e-03	-6.24e-04	-0.09	8.56e-06	-2.17e-04	0.0
127	30	-6.13e-04	2.14e-03	-0.09	-2.93e-05	-2.46e-04	0.0
127	43	-9.87e-04	-3.16e-04	-0.09	4.35e-06	-2.50e-04	0.0
127	51	9.89e-04	-3.02e-04	-0.09	4.14e-06	-2.29e-04	0.0
127	62	-2.96e-04	1.04e-03	-0.09	-1.42e-05	-2.42e-04	0.0
128	1	0.02	5.34e-06	-0.12	1.28e-05	-1.33e-04	0.0
128	3	3.86e-03	0.02	-0.15	-2.16e-04	-3.19e-04	0.0
128	4	-3.86e-03	-0.02	-0.09	2.39e-04	-3.03e-04	0.0
128	5	0.01	3.62e-06	-0.09	9.70e-06	-1.20e-04	0.0

128	7	2.58e-03	0.01	-0.11	-1.43e-04	-2.44e-04	0.0
128	8	-2.58e-03	-0.01	-0.07	1.60e-04	-2.34e-04	0.0
128	24	2.22e-03	6.55e-04	-0.09	0.0	-2.19e-04	0.0
128	30	-1.47e-04	2.14e-03	-0.09	-1.84e-05	-2.46e-04	0.0
128	32	-1.74e-04	2.13e-03	-0.09	-1.85e-05	-2.46e-04	0.0
128	56	1.07e-03	3.17e-04	-0.09	4.86e-06	-2.29e-04	0.0
128	62	-7.05e-05	1.03e-03	-0.09	-4.46e-06	-2.42e-04	0.0
128	64	-8.35e-05	1.03e-03	-0.09	-4.48e-06	-2.42e-04	0.0
129	2	-0.02	-3.95e-06	-0.14	-1.43e-05	-4.77e-04	0.0
129	3	-3.85e-03	0.02	-0.10	-2.41e-04	-2.97e-04	0.0
129	4	3.85e-03	-0.02	-0.16	2.18e-04	-2.98e-04	0.0
129	6	-0.01	-2.69e-06	-0.11	-1.07e-05	-3.48e-04	0.0
129	7	-2.57e-03	0.01	-0.08	-1.62e-04	-2.28e-04	0.0
129	8	2.57e-03	-0.01	-0.12	1.44e-04	-2.29e-04	0.0
129	14	-2.22e-03	7.23e-04	-0.10	-1.73e-05	-2.50e-04	0.0
129	26	-1.75e-04	-2.33e-03	-0.11	1.84e-05	-2.35e-04	0.0
129	28	-1.48e-04	-2.35e-03	-0.11	1.84e-05	-2.35e-04	0.0
129	46	-1.07e-03	3.49e-04	-0.10	-1.29e-05	-2.39e-04	0.0
129	58	-8.44e-05	-1.13e-03	-0.10	4.40e-06	-2.32e-04	0.0
129	60	-7.13e-05	-1.14e-03	-0.10	4.38e-06	-2.32e-04	0.0
130	2	-0.02	0.0	-0.15	0.0	-4.87e-04	0.0
130	4	-2.40e-06	-0.02	-0.13	2.47e-04	-2.98e-04	0.0
130	6	-0.01	0.0	-0.11	0.0	-3.55e-04	0.0
130	8	-1.74e-06	-0.01	-0.10	1.65e-04	-2.29e-04	0.0
130	15	-2.05e-03	6.66e-04	-0.10	-9.05e-06	-2.51e-04	0.0
130	34	6.13e-04	-2.35e-03	-0.10	2.94e-05	-2.22e-04	0.0
130	47	-9.89e-04	3.22e-04	-0.10	-4.38e-06	-2.40e-04	0.0
130	66	2.95e-04	-1.14e-03	-0.10	1.42e-05	-2.26e-04	0.0
131	2	-0.02	3.96e-06	-0.14	1.43e-05	-4.77e-04	0.0
131	3	3.85e-03	0.02	-0.16	-2.18e-04	-2.98e-04	0.0
131	4	-3.85e-03	-0.02	-0.10	2.41e-04	-2.97e-04	0.0
131	6	-0.01	2.69e-06	-0.11	1.07e-05	-3.48e-04	0.0
131	7	2.57e-03	0.01	-0.12	-1.44e-04	-2.29e-04	0.0
131	8	-2.57e-03	-0.01	-0.08	1.62e-04	-2.28e-04	0.0
131	12	-2.22e-03	-7.23e-04	-0.10	1.73e-05	-2.50e-04	0.0
131	30	-1.48e-04	2.35e-03	-0.11	-1.84e-05	-2.35e-04	0.0
131	32	-1.75e-04	2.33e-03	-0.11	-1.84e-05	-2.35e-04	0.0
131	44	-1.07e-03	-3.49e-04	-0.10	1.29e-05	-2.39e-04	0.0
131	62	-7.13e-05	1.14e-03	-0.10	-4.38e-06	-2.32e-04	0.0
131	64	-8.44e-05	1.13e-03	-0.10	-4.40e-06	-2.32e-04	0.0
132	1	0.02	-5.41e-06	-0.10	-9.24e-06	-1.55e-04	0.0
132	2	-0.02	5.18e-06	-0.07	-2.45e-06	-4.94e-04	0.0
132	4	1.24e-03	-0.02	-0.10	2.20e-04	-3.29e-04	0.0
132	5	0.01	-3.62e-06	-0.08	-6.76e-06	-1.36e-04	0.0
132	6	-0.01	3.44e-06	-0.06	-2.23e-06	-3.62e-04	0.0
132	8	8.27e-04	-0.01	-0.07	1.46e-04	-2.53e-04	0.0
132	18	2.10e-03	-4.93e-04	-0.07	3.05e-06	-2.30e-04	0.0
132	20	2.07e-03	-5.76e-04	-0.07	3.21e-06	-2.30e-04	0.0
132	35	7.23e-04	-1.86e-03	-0.07	2.23e-05	-2.44e-04	0.0
132	50	1.02e-03	-2.39e-04	-0.07	0.0	-2.40e-04	0.0
132	52	1.00e-03	-2.79e-04	-0.07	0.0	-2.40e-04	0.0
132	67	3.50e-04	-9.01e-04	-0.07	8.44e-06	-2.47e-04	0.0
133	1	0.02	-7.94e-06	-0.12	-1.08e-05	-1.32e-04	0.0
133	4	1.24e-03	-0.02	-0.12	2.29e-04	-3.20e-04	0.0
133	5	0.01	-5.37e-06	-0.09	-7.89e-06	-1.20e-04	0.0
133	8	8.28e-04	-0.01	-0.09	1.52e-04	-2.46e-04	0.0

133	18	2.10e-03	-6.12e-04	-0.09	2.85e-06	-2.20e-04	0.0
133	35	7.24e-04	-2.10e-03	-0.09	2.30e-05	-2.36e-04	0.0
133	36	7.55e-04	-2.10e-03	-0.09	2.30e-05	-2.36e-04	0.0
133	50	1.02e-03	-2.96e-04	-0.09	-1.17e-06	-2.31e-04	0.0
133	67	3.50e-04	-1.02e-03	-0.09	8.58e-06	-2.38e-04	0.0
133	68	3.65e-04	-1.02e-03	-0.09	8.59e-06	-2.38e-04	0.0
134	1	-4.98e-03	0.0	-0.12	0.0	-6.07e-05	0.0
134	2	-0.18	0.0	-0.11	0.0	-5.11e-04	0.0
134	3	-0.09	0.10	-0.11	-2.80e-04	-2.86e-04	-3.19e-05
134	5	-0.01	0.0	-0.09	0.0	-6.98e-05	0.0
134	6	-0.13	0.0	-0.09	0.0	-3.70e-04	0.0
134	7	-0.07	0.07	-0.09	-1.86e-04	-2.20e-04	-2.13e-05
134	15	-0.08	3.58e-03	-0.09	-9.44e-06	-2.46e-04	0.0
134	19	-0.06	-3.58e-03	-0.09	9.48e-06	-1.94e-04	0.0
134	37	-0.07	0.01	-0.09	-3.22e-05	-2.12e-04	-2.68e-06
134	47	-0.07	1.73e-03	-0.09	-4.56e-06	-2.32e-04	0.0
134	51	-0.07	-1.73e-03	-0.09	4.60e-06	-2.08e-04	0.0
134	69	-0.07	5.65e-03	-0.09	-1.56e-05	-2.16e-04	-1.29e-06
135	2	-0.19	1.06e-05	-0.13	-4.69e-06	-5.30e-04	2.13e-06
135	3	-0.10	0.11	-0.14	-2.83e-04	-3.04e-04	-3.07e-05
135	4	-0.10	-0.11	-0.11	2.75e-04	-3.04e-04	3.07e-05
135	6	-0.14	7.03e-06	-0.10	-3.60e-06	-3.84e-04	1.42e-06
135	7	-0.08	0.07	-0.10	-1.89e-04	-2.34e-04	-2.05e-05
135	8	-0.08	-0.07	-0.09	1.83e-04	-2.34e-04	2.05e-05
135	12	-0.09	-3.87e-03	-0.10	6.45e-06	-2.59e-04	1.56e-06
135	32	-0.08	0.01	-0.10	-3.59e-05	-2.42e-04	-3.56e-06
135	34	-0.07	-0.01	-0.10	2.88e-05	-2.26e-04	3.82e-06
135	44	-0.08	-1.87e-03	-0.10	1.30e-06	-2.46e-04	0.0
135	64	-0.08	6.09e-03	-0.10	-1.92e-05	-2.38e-04	-1.72e-06
135	66	-0.07	-6.11e-03	-0.10	1.21e-05	-2.30e-04	1.85e-06
136	2	-0.19	-2.88e-05	-0.12	4.35e-06	-5.26e-04	3.74e-06
136	3	-0.10	0.11	-0.13	-2.76e-04	-3.00e-04	-2.65e-05
136	4	-0.10	-0.11	-0.11	2.84e-04	-3.01e-04	2.86e-05
136	6	-0.14	-2.01e-05	-0.09	3.30e-06	-3.82e-04	2.58e-06
136	7	-0.08	0.07	-0.10	-1.83e-04	-2.31e-04	-1.76e-05
136	8	-0.08	-0.07	-0.08	1.90e-04	-2.32e-04	1.91e-05
136	12	-0.09	-3.67e-03	-0.09	1.23e-05	-2.57e-04	2.12e-06
136	26	-0.08	-0.01	-0.09	3.52e-05	-2.39e-04	4.16e-06
136	40	-0.07	0.01	-0.09	-2.92e-05	-2.24e-04	-3.24e-06
136	44	-0.08	-1.78e-03	-0.09	7.49e-06	-2.44e-04	1.33e-06
136	58	-0.08	-6.07e-03	-0.09	1.86e-05	-2.35e-04	2.32e-06
136	72	-0.07	6.03e-03	-0.09	-1.26e-05	-2.28e-04	-1.26e-06
137	2	-0.02	-7.61e-06	-0.15	-1.13e-05	-4.79e-04	0.0
137	4	1.23e-03	-0.02	-0.15	2.32e-04	-2.91e-04	0.0
137	6	-0.01	-5.15e-06	-0.12	-8.23e-06	-3.49e-04	0.0
137	8	8.17e-04	-0.02	-0.11	1.54e-04	-2.25e-04	0.0
137	10	-2.02e-03	-6.90e-04	-0.11	2.97e-06	-2.48e-04	0.0
137	14	-2.10e-03	7.39e-04	-0.11	-1.41e-05	-2.49e-04	0.0
137	28	-4.66e-04	-2.39e-03	-0.11	2.32e-05	-2.33e-04	0.0
137	42	-9.75e-04	-3.34e-04	-0.11	-1.15e-06	-2.37e-04	0.0
137	46	-1.02e-03	3.57e-04	-0.11	-9.41e-06	-2.37e-04	0.0
137	60	-2.25e-04	-1.16e-03	-0.11	8.65e-06	-2.30e-04	0.0
138	1	0.02	4.59e-06	-0.13	-2.56e-06	-1.10e-04	0.0
138	2	-0.02	-4.82e-06	-0.19	-1.01e-05	-4.58e-04	0.0
138	4	1.23e-03	-0.03	-0.17	2.28e-04	-2.81e-04	0.0
138	6	-0.01	-3.23e-06	-0.14	-7.40e-06	-3.34e-04	0.0

138	8	8.18e-04	-0.02	-0.13	1.52e-04	-2.16e-04	0.0
138	10	-2.02e-03	-7.53e-04	-0.13	3.07e-06	-2.38e-04	0.0
138	14	-2.10e-03	8.59e-04	-0.13	-1.37e-05	-2.39e-04	0.0
138	28	-4.65e-04	-2.70e-03	-0.13	2.29e-05	-2.24e-04	0.0
138	42	-9.74e-04	-3.64e-04	-0.13	-1.05e-06	-2.28e-04	0.0
138	46	-1.02e-03	4.15e-04	-0.13	-9.16e-06	-2.28e-04	0.0
138	60	-2.25e-04	-1.31e-03	-0.13	8.53e-06	-2.21e-04	0.0
139	1	0.02	-8.48e-06	-0.12	-1.03e-05	-1.26e-04	0.0
139	4	1.24e-03	-0.02	-0.13	2.30e-04	-3.16e-04	0.0
139	5	0.01	-5.76e-06	-0.09	-7.52e-06	-1.16e-04	0.0
139	8	8.27e-04	-0.01	-0.10	1.53e-04	-2.43e-04	0.0
139	18	2.10e-03	-6.56e-04	-0.09	2.89e-06	-2.18e-04	0.0
139	26	-4.73e-04	-2.13e-03	-0.09	2.34e-05	-2.46e-04	0.0
139	34	7.63e-04	-2.14e-03	-0.09	2.30e-05	-2.33e-04	0.0
139	50	1.02e-03	-3.18e-04	-0.09	-1.18e-06	-2.29e-04	0.0
139	58	-2.28e-04	-1.03e-03	-0.09	8.73e-06	-2.43e-04	0.0
139	66	3.69e-04	-1.04e-03	-0.09	8.56e-06	-2.36e-04	0.0
140	2	-0.02	-8.15e-06	-0.15	-1.08e-05	-4.84e-04	0.0
140	4	1.23e-03	-0.02	-0.14	2.32e-04	-2.95e-04	0.0
140	6	-0.01	-5.54e-06	-0.11	-7.84e-06	-3.53e-04	0.0
140	8	8.18e-04	-0.01	-0.11	1.54e-04	-2.27e-04	0.0
140	10	-2.02e-03	-6.81e-04	-0.11	2.99e-06	-2.51e-04	0.0
140	14	-2.10e-03	7.23e-04	-0.10	-1.41e-05	-2.51e-04	0.0
140	34	7.62e-04	-2.35e-03	-0.10	2.35e-05	-2.22e-04	0.0
140	42	-9.75e-04	-3.30e-04	-0.10	-1.15e-06	-2.39e-04	0.0
140	46	-1.02e-03	3.49e-04	-0.10	-9.40e-06	-2.40e-04	0.0
140	66	3.68e-04	-1.14e-03	-0.10	8.79e-06	-2.26e-04	0.0
141	1	0.02	-3.94e-06	-0.10	-6.77e-06	-1.55e-04	0.0
141	2	-0.02	3.78e-06	-0.07	-1.69e-06	-4.93e-04	0.0
141	4	8.77e-04	-0.02	-0.09	2.22e-04	-3.28e-04	0.0
141	5	0.01	-2.64e-06	-0.08	-4.95e-06	-1.36e-04	0.0
141	6	-0.01	2.51e-06	-0.06	-1.57e-06	-3.62e-04	0.0
141	8	5.85e-04	-0.01	-0.07	1.48e-04	-2.52e-04	0.0
141	18	2.09e-03	-4.93e-04	-0.07	4.40e-06	-2.30e-04	0.0
141	20	2.06e-03	-5.76e-04	-0.07	4.55e-06	-2.30e-04	0.0
141	35	6.91e-04	-1.86e-03	-0.07	2.36e-05	-2.44e-04	0.0
141	50	1.01e-03	-2.39e-04	-0.07	0.0	-2.40e-04	0.0
141	52	9.97e-04	-2.79e-04	-0.07	0.0	-2.40e-04	0.0
141	67	3.34e-04	-9.01e-04	-0.07	9.72e-06	-2.47e-04	0.0
142	1	0.02	-6.29e-06	-0.12	-8.12e-06	-1.31e-04	0.0
142	4	8.81e-04	-0.02	-0.12	2.34e-04	-3.19e-04	0.0
142	5	0.01	-4.26e-06	-0.09	-5.89e-06	-1.20e-04	0.0
142	8	5.87e-04	-0.01	-0.09	1.56e-04	-2.45e-04	0.0
142	18	2.09e-03	-6.12e-04	-0.09	4.34e-06	-2.20e-04	0.0
142	35	6.92e-04	-2.10e-03	-0.09	2.47e-05	-2.36e-04	0.0
142	36	7.14e-04	-2.10e-03	-0.09	2.47e-05	-2.36e-04	0.0
142	50	1.01e-03	-2.96e-04	-0.09	0.0	-2.31e-04	0.0
142	67	3.34e-04	-1.02e-03	-0.09	1.01e-05	-2.38e-04	0.0
142	68	3.45e-04	-1.02e-03	-0.09	1.01e-05	-2.38e-04	0.0
143	2	-0.19	1.68e-05	-0.15	3.34e-06	-5.33e-04	2.89e-06
143	4	-0.10	-0.11	-0.13	2.84e-04	-3.07e-04	3.31e-05
143	6	-0.14	1.03e-05	-0.11	2.62e-06	-3.87e-04	1.84e-06
143	8	-0.08	-0.07	-0.10	1.90e-04	-2.37e-04	2.20e-05
143	12	-0.09	-3.90e-03	-0.10	1.31e-05	-2.62e-04	0.0
143	16	-0.09	3.72e-03	-0.11	-6.36e-06	-2.62e-04	-1.26e-06
143	34	-0.07	-0.01	-0.10	3.53e-05	-2.29e-04	3.25e-06

143	44	-0.08	-1.89e-03	-0.10	7.85e-06	-2.49e-04	0.0
143	48	-0.08	1.80e-03	-0.10	-1.55e-06	-2.49e-04	0.0
143	66	-0.07	-6.17e-03	-0.10	1.86e-05	-2.33e-04	1.26e-06
144	2	-0.19	0.0	-0.15	0.0	-5.41e-04	0.0
144	3	-0.10	0.11	-0.14	-2.80e-04	-3.16e-04	-3.32e-05
144	6	-0.14	0.0	-0.12	0.0	-3.93e-04	0.0
144	7	-0.08	0.07	-0.11	-1.86e-04	-2.43e-04	-2.21e-05
144	15	-0.09	3.72e-03	-0.11	-9.46e-06	-2.69e-04	0.0
144	30	-0.08	0.01	-0.11	-3.24e-05	-2.51e-04	-3.87e-06
144	47	-0.08	1.80e-03	-0.11	-4.57e-06	-2.56e-04	0.0
144	62	-0.08	6.18e-03	-0.11	-1.57e-05	-2.47e-04	-1.87e-06
145	2	-0.19	-1.60e-05	-0.15	-3.31e-06	-5.33e-04	-2.89e-06
145	3	-0.10	0.11	-0.13	-2.84e-04	-3.07e-04	-3.31e-05
145	6	-0.14	-9.71e-06	-0.11	-2.60e-06	-3.87e-04	-1.85e-06
145	7	-0.08	0.07	-0.10	-1.90e-04	-2.37e-04	-2.20e-05
145	10	-0.09	-3.72e-03	-0.11	6.38e-06	-2.62e-04	1.26e-06
145	14	-0.09	3.90e-03	-0.10	-1.30e-05	-2.62e-04	0.0
145	30	-0.08	0.01	-0.10	-3.54e-05	-2.45e-04	-3.25e-06
145	42	-0.08	-1.80e-03	-0.10	1.57e-06	-2.49e-04	0.0
145	46	-0.08	1.89e-03	-0.10	-7.83e-06	-2.49e-04	0.0
145	62	-0.08	6.17e-03	-0.10	-1.87e-05	-2.41e-04	-1.27e-06
146	2	-0.02	-6.05e-06	-0.15	-8.46e-06	-4.79e-04	0.0
146	4	8.64e-04	-0.02	-0.14	2.37e-04	-2.92e-04	0.0
146	6	-0.01	-4.09e-06	-0.12	-6.12e-06	-3.50e-04	0.0
146	8	5.76e-04	-0.02	-0.11	1.58e-04	-2.25e-04	0.0
146	10	-2.03e-03	-6.90e-04	-0.11	4.50e-06	-2.48e-04	0.0
146	14	-2.09e-03	7.39e-04	-0.11	-1.28e-05	-2.48e-04	0.0
146	28	-5.09e-04	-2.39e-03	-0.11	2.50e-05	-2.33e-04	0.0
146	42	-9.79e-04	-3.34e-04	-0.11	0.0	-2.37e-04	0.0
146	46	-1.01e-03	3.57e-04	-0.11	-8.06e-06	-2.37e-04	0.0
146	60	-2.46e-04	-1.16e-03	-0.11	1.02e-05	-2.30e-04	0.0
147	1	0.02	3.37e-06	-0.13	-1.77e-06	-1.10e-04	0.0
147	2	-0.02	-3.53e-06	-0.19	-7.40e-06	-4.57e-04	0.0
147	4	8.67e-04	-0.03	-0.17	2.31e-04	-2.82e-04	0.0
147	6	-0.01	-2.36e-06	-0.14	-5.40e-06	-3.34e-04	0.0
147	8	5.78e-04	-0.02	-0.13	1.53e-04	-2.17e-04	0.0
147	10	-2.02e-03	-7.53e-04	-0.13	4.55e-06	-2.38e-04	0.0
147	14	-2.09e-03	8.59e-04	-0.13	-1.23e-05	-2.39e-04	0.0
147	28	-5.09e-04	-2.70e-03	-0.13	2.43e-05	-2.24e-04	0.0
147	42	-9.78e-04	-3.64e-04	-0.13	0.0	-2.28e-04	0.0
147	46	-1.01e-03	4.15e-04	-0.13	-7.77e-06	-2.28e-04	0.0
147	60	-2.46e-04	-1.31e-03	-0.13	9.93e-06	-2.21e-04	0.0
148	2	-0.02	-1.92e-06	-0.13	-4.71e-06	-4.96e-04	0.0
148	4	8.72e-04	-0.02	-0.13	2.39e-04	-3.05e-04	0.0
148	6	-0.01	-1.39e-06	-0.10	-3.62e-06	-3.62e-04	0.0
148	8	5.81e-04	-0.01	-0.10	1.59e-04	-2.35e-04	0.0
148	14	-2.09e-03	6.86e-04	-0.10	-1.25e-05	-2.57e-04	0.0
148	26	-5.15e-04	-2.23e-03	-0.10	2.53e-05	-2.41e-04	0.0
148	34	7.19e-04	-2.24e-03	-0.10	2.55e-05	-2.27e-04	0.0
148	46	-1.01e-03	3.31e-04	-0.10	-7.91e-06	-2.45e-04	0.0
148	58	-2.49e-04	-1.08e-03	-0.10	1.04e-05	-2.37e-04	0.0
148	66	3.47e-04	-1.09e-03	-0.10	1.05e-05	-2.31e-04	0.0
149	1	0.02	3.95e-06	-0.10	6.77e-06	-1.55e-04	0.0
149	2	-0.02	-3.79e-06	-0.07	1.69e-06	-4.93e-04	0.0
149	3	8.77e-04	0.02	-0.09	-2.22e-04	-3.28e-04	0.0
149	5	0.01	2.65e-06	-0.08	4.95e-06	-1.36e-04	0.0

149	6	-0.01	-2.51e-06	-0.06	1.57e-06	-3.62e-04	0.0
149	7	5.85e-04	0.01	-0.07	-1.48e-04	-2.52e-04	0.0
149	22	2.06e-03	5.76e-04	-0.07	-4.55e-06	-2.30e-04	0.0
149	24	2.09e-03	4.93e-04	-0.07	-4.40e-06	-2.30e-04	0.0
149	37	6.91e-04	1.86e-03	-0.07	-2.36e-05	-2.44e-04	0.0
149	54	9.97e-04	2.79e-04	-0.07	0.0	-2.40e-04	0.0
149	56	1.01e-03	2.39e-04	-0.07	0.0	-2.40e-04	0.0
149	69	3.34e-04	9.01e-04	-0.07	-9.72e-06	-2.47e-04	0.0
150	1	0.02	6.29e-06	-0.12	8.12e-06	-1.31e-04	0.0
150	3	8.81e-04	0.02	-0.12	-2.34e-04	-3.19e-04	0.0
150	5	0.01	4.26e-06	-0.09	5.89e-06	-1.20e-04	0.0
150	7	5.87e-04	0.01	-0.09	-1.56e-04	-2.45e-04	0.0
150	24	2.09e-03	6.12e-04	-0.09	-4.34e-06	-2.20e-04	0.0
150	37	6.92e-04	2.10e-03	-0.09	-2.47e-05	-2.36e-04	0.0
150	38	7.14e-04	2.10e-03	-0.09	-2.47e-05	-2.36e-04	0.0
150	56	1.01e-03	2.96e-04	-0.09	0.0	-2.31e-04	0.0
150	69	3.34e-04	1.02e-03	-0.09	-1.01e-05	-2.38e-04	0.0
150	70	3.45e-04	1.02e-03	-0.09	-1.01e-05	-2.38e-04	0.0
151	2	-0.19	-9.81e-06	-0.13	4.69e-06	-5.30e-04	-2.13e-06
151	3	-0.10	0.11	-0.11	-2.75e-04	-3.04e-04	-3.07e-05
151	4	-0.10	-0.11	-0.14	2.83e-04	-3.04e-04	3.07e-05
151	6	-0.14	-6.44e-06	-0.10	3.60e-06	-3.84e-04	-1.42e-06
151	7	-0.08	0.07	-0.09	-1.83e-04	-2.34e-04	-2.05e-05
151	8	-0.08	-0.07	-0.10	1.89e-04	-2.34e-04	2.05e-05
151	14	-0.09	3.87e-03	-0.10	-6.45e-06	-2.59e-04	-1.56e-06
151	26	-0.08	-0.01	-0.10	3.59e-05	-2.42e-04	3.56e-06
151	30	-0.08	0.01	-0.10	-2.90e-05	-2.42e-04	-3.83e-06
151	46	-0.08	1.87e-03	-0.10	-1.30e-06	-2.46e-04	0.0
151	58	-0.08	-6.09e-03	-0.10	1.92e-05	-2.38e-04	1.72e-06
151	62	-0.08	6.11e-03	-0.10	-1.22e-05	-2.38e-04	-1.85e-06
152	2	-0.19	2.96e-05	-0.12	-4.32e-06	-5.26e-04	-3.74e-06
152	3	-0.10	0.11	-0.11	-2.84e-04	-3.01e-04	-2.86e-05
152	4	-0.10	-0.11	-0.13	2.76e-04	-3.00e-04	2.65e-05
152	6	-0.14	2.07e-05	-0.09	-3.28e-06	-3.82e-04	-2.58e-06
152	7	-0.08	0.07	-0.08	-1.90e-04	-2.32e-04	-1.91e-05
152	8	-0.08	-0.07	-0.10	1.83e-04	-2.31e-04	1.76e-05
152	14	-0.09	3.67e-03	-0.09	-1.22e-05	-2.57e-04	-2.12e-06
152	34	-0.07	-0.01	-0.09	2.92e-05	-2.24e-04	3.24e-06
152	38	-0.07	0.01	-0.09	-3.55e-05	-2.24e-04	-4.18e-06
152	46	-0.08	1.78e-03	-0.09	-7.46e-06	-2.44e-04	-1.33e-06
152	66	-0.07	-6.03e-03	-0.09	1.26e-05	-2.28e-04	1.26e-06
152	70	-0.07	6.07e-03	-0.09	-1.87e-05	-2.28e-04	-2.33e-06
153	1	-6.93e-03	0.0	-0.12	0.0	-6.79e-05	0.0
153	2	-0.19	0.0	-0.11	0.0	-5.17e-04	0.0
153	3	-0.10	0.11	-0.11	-2.80e-04	-2.92e-04	-2.89e-05
153	5	-0.01	0.0	-0.09	0.0	-7.53e-05	0.0
153	6	-0.14	0.0	-0.09	0.0	-3.75e-04	0.0
153	7	-0.08	0.07	-0.09	-1.86e-04	-2.25e-04	-1.93e-05
153	15	-0.09	3.83e-03	-0.09	-9.92e-06	-2.50e-04	0.0
153	19	-0.07	-3.83e-03	-0.09	9.94e-06	-2.00e-04	0.0
153	37	-0.07	0.01	-0.09	-3.24e-05	-2.18e-04	-2.66e-06
153	47	-0.08	1.85e-03	-0.09	-4.79e-06	-2.37e-04	0.0
153	51	-0.07	-1.85e-03	-0.09	4.82e-06	-2.13e-04	0.0
153	69	-0.07	6.04e-03	-0.09	-1.57e-05	-2.21e-04	-1.29e-06
154	2	-0.02	6.05e-06	-0.15	8.45e-06	-4.79e-04	0.0
154	3	8.64e-04	0.02	-0.14	-2.37e-04	-2.92e-04	0.0

154	6	-0.01	4.10e-06	-0.12	6.12e-06	-3.50e-04	0.0
154	7	5.76e-04	0.02	-0.11	-1.58e-04	-2.25e-04	0.0
154	12	-2.09e-03	-7.39e-04	-0.11	1.28e-05	-2.48e-04	0.0
154	16	-2.03e-03	6.90e-04	-0.11	-4.50e-06	-2.48e-04	0.0
154	30	-5.09e-04	2.39e-03	-0.11	-2.50e-05	-2.33e-04	0.0
154	44	-1.01e-03	-3.57e-04	-0.11	8.06e-06	-2.37e-04	0.0
154	48	-9.79e-04	3.34e-04	-0.11	0.0	-2.37e-04	0.0
154	62	-2.46e-04	1.16e-03	-0.11	-1.02e-05	-2.30e-04	0.0
155	1	0.02	-3.38e-06	-0.13	1.77e-06	-1.10e-04	0.0
155	2	-0.02	3.55e-06	-0.19	7.39e-06	-4.57e-04	0.0
155	3	8.67e-04	0.03	-0.17	-2.31e-04	-2.82e-04	0.0
155	6	-0.01	2.37e-06	-0.14	5.40e-06	-3.34e-04	0.0
155	7	5.78e-04	0.02	-0.13	-1.53e-04	-2.17e-04	0.0
155	12	-2.09e-03	-8.59e-04	-0.13	1.23e-05	-2.39e-04	0.0
155	16	-2.02e-03	7.53e-04	-0.13	-4.55e-06	-2.38e-04	0.0
155	30	-5.09e-04	2.70e-03	-0.13	-2.43e-05	-2.24e-04	0.0
155	44	-1.01e-03	-4.15e-04	-0.13	7.76e-06	-2.28e-04	0.0
155	48	-9.78e-04	3.64e-04	-0.13	0.0	-2.28e-04	0.0
155	62	-2.46e-04	1.31e-03	-0.13	-9.93e-06	-2.21e-04	0.0
156	2	-0.02	1.93e-06	-0.13	4.71e-06	-4.96e-04	0.0
156	3	8.72e-04	0.02	-0.13	-2.39e-04	-3.05e-04	0.0
156	6	-0.01	1.39e-06	-0.10	3.62e-06	-3.62e-04	0.0
156	7	5.81e-04	0.01	-0.10	-1.59e-04	-2.35e-04	0.0
156	12	-2.09e-03	-6.86e-04	-0.10	1.25e-05	-2.57e-04	0.0
156	30	-5.09e-04	2.24e-03	-0.10	-2.53e-05	-2.41e-04	0.0
156	32	-5.15e-04	2.23e-03	-0.10	-2.54e-05	-2.41e-04	0.0
156	44	-1.01e-03	-3.31e-04	-0.10	7.91e-06	-2.45e-04	0.0
156	62	-2.46e-04	1.09e-03	-0.10	-1.04e-05	-2.37e-04	0.0
156	64	-2.49e-04	1.08e-03	-0.10	-1.04e-05	-2.37e-04	0.0
157	1	0.02	5.42e-06	-0.10	9.24e-06	-1.55e-04	0.0
157	2	-0.02	-5.19e-06	-0.07	2.44e-06	-4.94e-04	0.0
157	3	1.24e-03	0.02	-0.10	-2.20e-04	-3.29e-04	0.0
157	5	0.01	3.63e-06	-0.08	6.76e-06	-1.36e-04	0.0
157	6	-0.01	-3.45e-06	-0.06	2.23e-06	-3.62e-04	0.0
157	7	8.27e-04	0.01	-0.07	-1.46e-04	-2.53e-04	0.0
157	22	2.07e-03	5.76e-04	-0.07	-3.21e-06	-2.30e-04	0.0
157	24	2.10e-03	4.93e-04	-0.07	-3.05e-06	-2.30e-04	0.0
157	37	7.23e-04	1.86e-03	-0.07	-2.23e-05	-2.44e-04	0.0
157	54	1.00e-03	2.79e-04	-0.07	0.0	-2.40e-04	0.0
157	56	1.02e-03	2.39e-04	-0.07	0.0	-2.40e-04	0.0
157	69	3.50e-04	9.01e-04	-0.07	-8.44e-06	-2.47e-04	0.0
158	1	0.02	7.94e-06	-0.12	1.08e-05	-1.32e-04	0.0
158	3	1.24e-03	0.02	-0.12	-2.29e-04	-3.20e-04	0.0
158	5	0.01	5.37e-06	-0.09	7.89e-06	-1.20e-04	0.0
158	7	8.28e-04	0.01	-0.09	-1.52e-04	-2.46e-04	0.0
158	24	2.10e-03	6.12e-04	-0.09	-2.85e-06	-2.20e-04	0.0
158	37	7.24e-04	2.10e-03	-0.09	-2.30e-05	-2.36e-04	0.0
158	38	7.55e-04	2.10e-03	-0.09	-2.30e-05	-2.36e-04	0.0
158	56	1.02e-03	2.96e-04	-0.09	1.17e-06	-2.31e-04	0.0
158	69	3.50e-04	1.02e-03	-0.09	-8.58e-06	-2.38e-04	0.0
158	70	3.65e-04	1.02e-03	-0.09	-8.59e-06	-2.38e-04	0.0
159	2	-0.23	7.83e-06	-0.13	-2.02e-06	-5.34e-04	3.21e-06
159	4	-0.12	-0.13	-0.12	2.85e-04	-3.01e-04	2.82e-05
159	6	-0.16	5.27e-06	-0.10	-1.35e-06	-3.87e-04	2.17e-06
159	8	-0.09	-0.09	-0.09	1.90e-04	-2.32e-04	1.89e-05
159	12	-0.10	-4.50e-03	-0.10	9.96e-06	-2.59e-04	1.80e-06

159	16	-0.10	4.30e-03	-0.10	-9.44e-06	-2.59e-04	0.0
159	30	-0.09	0.01	-0.10	-3.22e-05	-2.41e-04	-3.62e-06
159	44	-0.10	-2.18e-03	-0.10	4.81e-06	-2.45e-04	0.0
159	48	-0.10	2.08e-03	-0.10	-4.57e-06	-2.45e-04	0.0
159	62	-0.09	7.11e-03	-0.10	-1.56e-05	-2.37e-04	-1.63e-06
160	2	-0.23	7.65e-06	-0.13	-1.04e-06	-5.37e-04	4.43e-06
160	4	-0.12	-0.13	-0.12	2.84e-04	-3.04e-04	3.09e-05
160	6	-0.16	4.93e-06	-0.10	0.0	-3.89e-04	2.95e-06
160	8	-0.09	-0.09	-0.09	1.89e-04	-2.34e-04	2.06e-05
160	12	-0.10	-4.51e-03	-0.10	8.26e-06	-2.59e-04	1.57e-06
160	16	-0.10	4.31e-03	-0.10	-1.11e-05	-2.59e-04	0.0
160	34	-0.09	-0.01	-0.10	3.12e-05	-2.26e-04	3.85e-06
160	44	-0.10	-2.18e-03	-0.10	3.38e-06	-2.46e-04	0.0
160	48	-0.10	2.08e-03	-0.10	-5.99e-06	-2.46e-04	0.0
160	66	-0.09	-7.13e-03	-0.10	1.45e-05	-2.30e-04	1.87e-06
161	2	-0.23	0.0	-0.14	2.41e-06	-5.37e-04	3.00e-06
161	4	-0.12	-0.13	-0.13	2.85e-04	-3.07e-04	3.35e-05
161	6	-0.16	0.0	-0.10	1.60e-06	-3.89e-04	1.97e-06
161	8	-0.09	-0.09	-0.10	1.90e-04	-2.36e-04	2.23e-05
161	12	-0.10	-4.52e-03	-0.10	9.37e-06	-2.60e-04	1.34e-06
161	16	-0.10	4.32e-03	-0.10	-1.00e-05	-2.60e-04	0.0
161	30	-0.09	0.01	-0.10	-3.25e-05	-2.43e-04	-4.06e-06
161	44	-0.10	-2.19e-03	-0.10	4.50e-06	-2.47e-04	0.0
161	48	-0.10	2.09e-03	-0.10	-4.89e-06	-2.47e-04	0.0
161	62	-0.09	7.15e-03	-0.10	-1.58e-05	-2.39e-04	-2.07e-06
162	2	-0.23	0.0	-0.14	0.0	-5.38e-04	0.0
162	3	-0.12	0.13	-0.13	-2.87e-04	-3.07e-04	-3.53e-05
162	6	-0.16	0.0	-0.11	0.0	-3.90e-04	0.0
162	7	-0.09	0.09	-0.10	-1.92e-04	-2.36e-04	-2.35e-05
162	15	-0.10	4.31e-03	-0.10	-9.92e-06	-2.61e-04	0.0
162	30	-0.09	0.01	-0.10	-3.23e-05	-2.44e-04	-3.86e-06
162	47	-0.10	2.09e-03	-0.10	-4.80e-06	-2.48e-04	0.0
162	62	-0.09	7.15e-03	-0.10	-1.56e-05	-2.40e-04	-1.87e-06
163	2	-0.23	1.36e-06	-0.14	-2.40e-06	-5.37e-04	-3.00e-06
163	3	-0.12	0.13	-0.13	-2.85e-04	-3.07e-04	-3.35e-05
163	6	-0.16	0.0	-0.10	-1.59e-06	-3.89e-04	-1.97e-06
163	7	-0.09	0.09	-0.10	-1.90e-04	-2.36e-04	-2.23e-05
163	10	-0.10	-4.32e-03	-0.10	1.00e-05	-2.60e-04	0.0
163	14	-0.10	4.52e-03	-0.10	-9.36e-06	-2.60e-04	-1.34e-06
163	30	-0.09	0.01	-0.10	-3.22e-05	-2.43e-04	-3.63e-06
163	42	-0.10	-2.09e-03	-0.10	4.89e-06	-2.47e-04	0.0
163	46	-0.10	2.19e-03	-0.10	-4.49e-06	-2.47e-04	0.0
163	62	-0.09	7.15e-03	-0.10	-1.55e-05	-2.39e-04	-1.65e-06
164	2	-0.23	-6.69e-06	-0.13	1.04e-06	-5.37e-04	-4.43e-06
164	3	-0.12	0.13	-0.12	-2.84e-04	-3.04e-04	-3.09e-05
164	6	-0.16	-4.23e-06	-0.10	0.0	-3.89e-04	-2.95e-06
164	7	-0.09	0.09	-0.09	-1.89e-04	-2.34e-04	-2.06e-05
164	10	-0.10	-4.31e-03	-0.10	1.11e-05	-2.59e-04	0.0
164	14	-0.10	4.51e-03	-0.10	-8.26e-06	-2.59e-04	-1.57e-06
164	30	-0.09	0.01	-0.10	-3.10e-05	-2.42e-04	-3.85e-06
164	42	-0.10	-2.08e-03	-0.10	5.99e-06	-2.46e-04	0.0
164	46	-0.10	2.19e-03	-0.10	-3.38e-06	-2.46e-04	0.0
164	62	-0.09	7.13e-03	-0.10	-1.44e-05	-2.38e-04	-1.87e-06
165	2	-0.23	-6.87e-06	-0.13	2.02e-06	-5.34e-04	-3.20e-06
165	3	-0.12	0.13	-0.12	-2.85e-04	-3.01e-04	-2.82e-05
165	6	-0.16	-4.57e-06	-0.10	1.35e-06	-3.87e-04	-2.17e-06

165	7	-0.09	0.09	-0.09	-1.90e-04	-2.32e-04	-1.89e-05
165	10	-0.10	-4.30e-03	-0.10	9.45e-06	-2.59e-04	0.0
165	14	-0.10	4.50e-03	-0.10	-9.95e-06	-2.59e-04	-1.80e-06
165	30	-0.09	0.01	-0.09	-3.24e-05	-2.41e-04	-4.08e-06
165	42	-0.10	-2.08e-03	-0.10	4.58e-06	-2.45e-04	0.0
165	46	-0.10	2.18e-03	-0.10	-4.81e-06	-2.45e-04	0.0
165	62	-0.09	7.11e-03	-0.09	-1.57e-05	-2.37e-04	-2.09e-06
166	2	-0.23	0.0	-0.13	0.0	-5.32e-04	0.0
166	3	-0.12	0.13	-0.12	-2.87e-04	-3.02e-04	-2.65e-05
166	6	-0.16	0.0	-0.10	0.0	-3.86e-04	0.0
166	7	-0.09	0.09	-0.09	-1.92e-04	-2.32e-04	-1.76e-05
166	11	-0.10	-4.49e-03	-0.09	9.93e-06	-2.58e-04	1.28e-06
166	15	-0.10	4.29e-03	-0.09	-9.46e-06	-2.58e-04	0.0
166	30	-0.09	0.01	-0.09	-3.24e-05	-2.40e-04	-3.85e-06
166	43	-0.10	-2.17e-03	-0.09	4.81e-06	-2.44e-04	0.0
166	47	-0.10	2.08e-03	-0.09	-4.57e-06	-2.44e-04	0.0
166	62	-0.09	7.11e-03	-0.09	-1.57e-05	-2.36e-04	-1.86e-06
167	2	-0.14	-4.12e-05	-0.12	1.57e-05	-5.25e-04	0.0
167	3	-0.07	0.08	-0.13	-2.62e-04	-3.04e-04	-2.81e-05
167	4	-0.07	-0.08	-0.11	2.93e-04	-3.03e-04	2.75e-05
167	6	-0.10	-2.72e-05	-0.09	1.21e-05	-3.81e-04	0.0
167	7	-0.05	0.05	-0.10	-1.73e-04	-2.33e-04	-1.89e-05
167	8	-0.05	-0.05	-0.08	1.97e-04	-2.33e-04	1.81e-05
167	12	-0.06	-2.71e-03	-0.09	2.25e-05	-2.59e-04	0.0
167	32	-0.05	9.28e-03	-0.09	-2.06e-05	-2.40e-04	-5.04e-06
167	40	-0.05	9.24e-03	-0.09	-2.09e-05	-2.25e-04	-5.33e-06
167	44	-0.06	-1.31e-03	-0.09	1.72e-05	-2.45e-04	0.0
167	64	-0.05	4.49e-03	-0.09	-3.65e-06	-2.36e-04	-3.20e-06
167	72	-0.05	4.47e-03	-0.09	-3.76e-06	-2.29e-04	-3.35e-06
168	2	-0.14	4.02e-05	-0.13	-8.72e-06	-5.27e-04	-4.15e-06
168	3	-0.07	0.08	-0.14	-2.93e-04	-3.04e-04	-3.13e-05
168	4	-0.07	-0.08	-0.11	2.72e-04	-3.04e-04	3.13e-05
168	6	-0.10	2.68e-05	-0.10	-6.80e-06	-3.82e-04	-2.76e-06
168	7	-0.05	0.06	-0.10	-1.96e-04	-2.34e-04	-2.09e-05
168	8	-0.05	-0.06	-0.09	1.80e-04	-2.34e-04	2.08e-05
168	12	-0.06	-2.87e-03	-0.10	2.36e-06	-2.60e-04	1.56e-06
168	32	-0.05	9.34e-03	-0.10	-4.08e-05	-2.42e-04	-3.67e-06
168	34	-0.05	-9.38e-03	-0.10	2.60e-05	-2.26e-04	3.90e-06
168	44	-0.06	-1.39e-03	-0.10	-2.65e-06	-2.47e-04	0.0
168	64	-0.05	4.52e-03	-0.10	-2.35e-05	-2.38e-04	-1.78e-06
168	66	-0.05	-4.54e-03	-0.10	8.80e-06	-2.30e-04	1.88e-06
169	2	-0.14	6.87e-05	-0.15	1.70e-05	-5.29e-04	6.48e-06
169	4	-0.07	-0.08	-0.13	2.93e-04	-3.06e-04	3.42e-05
169	6	-0.10	4.60e-05	-0.11	1.30e-05	-3.84e-04	4.52e-06
169	8	-0.05	-0.06	-0.10	1.97e-04	-2.36e-04	2.30e-05
169	12	-0.06	-2.90e-03	-0.10	2.15e-05	-2.61e-04	3.00e-06
169	16	-0.06	2.78e-03	-0.11	1.71e-06	-2.62e-04	0.0
169	30	-0.05	9.49e-03	-0.10	-2.09e-05	-2.43e-04	-2.37e-06
169	44	-0.06	-1.40e-03	-0.10	1.67e-05	-2.48e-04	2.21e-06
169	48	-0.06	1.35e-03	-0.10	7.14e-06	-2.48e-04	1.14e-06
169	62	-0.05	4.59e-03	-0.10	-3.79e-06	-2.39e-04	0.0
170	2	-0.14	0.0	-0.15	0.0	-5.61e-04	0.0
170	3	-0.07	0.08	-0.14	-2.77e-04	-3.31e-04	-2.65e-05
170	6	-0.10	0.0	-0.12	0.0	-4.08e-04	0.0
170	7	-0.05	0.06	-0.11	-1.84e-04	-2.54e-04	-1.76e-05
170	15	-0.06	2.77e-03	-0.11	-9.56e-06	-2.82e-04	0.0

170	30	-0.05	9.53e-03	-0.11	-3.28e-05	-2.63e-04	-3.76e-06
170	47	-0.06	1.34e-03	-0.11	-4.61e-06	-2.68e-04	0.0
170	62	-0.05	4.61e-03	-0.11	-1.59e-05	-2.59e-04	-1.82e-06
171	2	-0.14	-6.81e-05	-0.15	-1.70e-05	-5.29e-04	-6.49e-06
171	3	-0.07	0.08	-0.13	-2.92e-04	-3.07e-04	-3.42e-05
171	6	-0.10	-4.56e-05	-0.11	-1.29e-05	-3.84e-04	-4.53e-06
171	7	-0.05	0.06	-0.10	-1.97e-04	-2.36e-04	-2.30e-05
171	10	-0.06	-2.78e-03	-0.11	-1.66e-06	-2.62e-04	0.0
171	14	-0.06	2.90e-03	-0.10	-2.14e-05	-2.61e-04	-3.01e-06
171	34	-0.05	-9.49e-03	-0.10	2.06e-05	-2.28e-04	2.34e-06
171	42	-0.06	-1.35e-03	-0.10	-7.09e-06	-2.48e-04	-1.15e-06
171	46	-0.06	1.40e-03	-0.10	-1.67e-05	-2.48e-04	-2.23e-06
171	66	-0.05	-4.59e-03	-0.10	3.68e-06	-2.32e-04	0.0
172	2	-0.14	-3.97e-05	-0.13	8.70e-06	-5.27e-04	4.15e-06
172	3	-0.07	0.08	-0.11	-2.72e-04	-3.04e-04	-3.13e-05
172	4	-0.07	-0.08	-0.14	2.93e-04	-3.04e-04	3.13e-05
172	6	-0.10	-2.64e-05	-0.10	6.78e-06	-3.82e-04	2.76e-06
172	7	-0.05	0.06	-0.09	-1.80e-04	-2.34e-04	-2.08e-05
172	8	-0.05	-0.06	-0.10	1.96e-04	-2.34e-04	2.09e-05
172	14	-0.06	2.87e-03	-0.10	-2.38e-06	-2.60e-04	-1.56e-06
172	26	-0.05	-9.34e-03	-0.10	4.08e-05	-2.42e-04	3.67e-06
172	40	-0.05	9.38e-03	-0.10	-2.61e-05	-2.26e-04	-3.90e-06
172	46	-0.06	1.39e-03	-0.10	2.64e-06	-2.47e-04	0.0
172	58	-0.05	-4.52e-03	-0.10	2.35e-05	-2.38e-04	1.78e-06
172	72	-0.05	4.54e-03	-0.10	-8.82e-06	-2.30e-04	-1.88e-06
173	2	-0.14	4.17e-05	-0.12	-1.56e-05	-5.25e-04	0.0
173	3	-0.07	0.08	-0.11	-2.93e-04	-3.03e-04	-2.75e-05
173	4	-0.07	-0.08	-0.13	2.62e-04	-3.04e-04	2.81e-05
173	6	-0.10	2.76e-05	-0.09	-1.20e-05	-3.81e-04	0.0
173	7	-0.05	0.05	-0.08	-1.97e-04	-2.33e-04	-1.81e-05
173	8	-0.05	-0.05	-0.10	1.73e-04	-2.33e-04	1.89e-05
173	14	-0.06	2.71e-03	-0.09	-2.25e-05	-2.59e-04	0.0
173	26	-0.05	-9.28e-03	-0.09	2.07e-05	-2.40e-04	5.05e-06
173	34	-0.05	-9.24e-03	-0.09	2.09e-05	-2.25e-04	5.34e-06
173	46	-0.06	1.31e-03	-0.09	-1.72e-05	-2.45e-04	0.0
173	58	-0.05	-4.49e-03	-0.09	3.70e-06	-2.36e-04	3.21e-06
173	66	-0.05	-4.47e-03	-0.09	3.81e-06	-2.29e-04	3.36e-06
174	1	7.47e-04	0.0	-0.12	0.0	-4.80e-05	0.0
174	2	-0.14	0.0	-0.11	0.0	-5.04e-04	0.0
174	3	-0.07	0.08	-0.11	-2.77e-04	-2.78e-04	-3.45e-05
174	5	-6.53e-03	0.0	-0.09	0.0	-6.04e-05	0.0
174	6	-0.10	0.0	-0.09	0.0	-3.65e-04	0.0
174	7	-0.05	0.05	-0.09	-1.85e-04	-2.14e-04	-2.30e-05
174	15	-0.06	2.84e-03	-0.09	-1.01e-05	-2.39e-04	0.0
174	19	-0.05	-2.83e-03	-0.09	1.01e-05	-1.87e-04	0.0
174	37	-0.05	9.24e-03	-0.09	-3.29e-05	-2.05e-04	-2.58e-06
174	47	-0.06	1.37e-03	-0.09	-4.86e-06	-2.26e-04	0.0
174	51	-0.05	-1.37e-03	-0.09	4.91e-06	-2.01e-04	0.0
174	69	-0.05	4.47e-03	-0.09	-1.59e-05	-2.09e-04	-1.25e-06
175	2	-0.29	0.0	-0.13	-1.08e-06	-5.40e-04	-1.62e-06
175	4	-0.15	-0.16	-0.12	2.91e-04	-3.02e-04	3.25e-05
175	6	-0.21	0.0	-0.10	0.0	-3.91e-04	-1.08e-06
175	8	-0.12	-0.11	-0.09	1.94e-04	-2.33e-04	2.17e-05
175	12	-0.13	-5.64e-03	-0.10	9.36e-06	-2.59e-04	1.58e-06
175	16	-0.13	5.38e-03	-0.10	-1.01e-05	-2.59e-04	0.0
175	30	-0.12	0.02	-0.10	-3.24e-05	-2.41e-04	-3.83e-06

175	44	-0.13	-2.73e-03	-0.10	4.54e-06	-2.46e-04	0.0
175	48	-0.13	2.60e-03	-0.10	-4.85e-06	-2.46e-04	0.0
175	62	-0.12	8.90e-03	-0.10	-1.57e-05	-2.37e-04	-1.84e-06
176	2	-0.25	0.0	-0.13	-2.15e-06	-5.38e-04	0.0
176	4	-0.13	-0.14	-0.12	2.89e-04	-3.01e-04	3.09e-05
176	6	-0.18	0.0	-0.10	-1.43e-06	-3.90e-04	0.0
176	8	-0.10	-0.09	-0.09	1.92e-04	-2.32e-04	2.06e-05
176	12	-0.11	-4.88e-03	-0.10	9.33e-06	-2.59e-04	1.51e-06
176	16	-0.11	4.66e-03	-0.10	-1.01e-05	-2.59e-04	0.0
176	30	-0.10	0.02	-0.10	-3.24e-05	-2.41e-04	-3.89e-06
176	44	-0.11	-2.36e-03	-0.10	4.52e-06	-2.45e-04	0.0
176	48	-0.11	2.26e-03	-0.10	-4.88e-06	-2.45e-04	0.0
176	62	-0.10	7.71e-03	-0.10	-1.57e-05	-2.37e-04	-1.90e-06
177	2	-0.25	9.39e-06	-0.13	-1.19e-06	-5.41e-04	0.0
177	4	-0.13	-0.14	-0.12	2.86e-04	-3.04e-04	3.09e-05
177	6	-0.18	6.36e-06	-0.10	0.0	-3.92e-04	0.0
177	8	-0.10	-0.09	-0.09	1.90e-04	-2.34e-04	2.06e-05
177	12	-0.11	-4.89e-03	-0.10	9.19e-06	-2.59e-04	1.57e-06
177	16	-0.11	4.67e-03	-0.10	-1.02e-05	-2.59e-04	0.0
177	30	-0.10	0.02	-0.10	-3.31e-05	-2.42e-04	-3.85e-06
177	44	-0.11	-2.37e-03	-0.10	4.04e-06	-2.46e-04	0.0
177	48	-0.11	2.26e-03	-0.10	-5.37e-06	-2.46e-04	0.0
177	62	-0.10	7.73e-03	-0.10	-1.64e-05	-2.38e-04	-1.86e-06
178	2	-0.29	2.17e-05	-0.13	-1.22e-06	-5.42e-04	-1.40e-06
178	4	-0.15	-0.16	-0.12	2.87e-04	-3.04e-04	3.09e-05
178	6	-0.21	1.45e-05	-0.10	0.0	-3.93e-04	0.0
178	8	-0.12	-0.11	-0.09	1.91e-04	-2.34e-04	2.06e-05
178	12	-0.13	-5.64e-03	-0.10	9.37e-06	-2.59e-04	1.56e-06
178	16	-0.13	5.39e-03	-0.10	-1.01e-05	-2.59e-04	0.0
178	30	-0.12	0.02	-0.10	-3.30e-05	-2.42e-04	-3.84e-06
178	44	-0.13	-2.73e-03	-0.10	4.21e-06	-2.46e-04	0.0
178	48	-0.13	2.61e-03	-0.10	-5.20e-06	-2.46e-04	0.0
178	62	-0.12	8.92e-03	-0.10	-1.63e-05	-2.38e-04	-1.86e-06
179	2	-0.25	6.42e-06	-0.14	2.09e-06	-5.39e-04	1.74e-06
179	4	-0.13	-0.14	-0.13	2.89e-04	-3.07e-04	3.08e-05
179	6	-0.18	4.34e-06	-0.10	1.39e-06	-3.91e-04	1.16e-06
179	8	-0.10	-0.09	-0.10	1.92e-04	-2.36e-04	2.05e-05
179	12	-0.11	-4.90e-03	-0.10	9.98e-06	-2.60e-04	1.61e-06
179	16	-0.11	4.68e-03	-0.10	-9.44e-06	-2.60e-04	0.0
179	30	-0.10	0.02	-0.10	-3.24e-05	-2.42e-04	-3.80e-06
179	44	-0.11	-2.37e-03	-0.10	4.79e-06	-2.47e-04	0.0
179	48	-0.11	2.27e-03	-0.10	-4.61e-06	-2.47e-04	0.0
179	62	-0.10	7.74e-03	-0.10	-1.57e-05	-2.39e-04	-1.82e-06
180	2	-0.29	1.28e-05	-0.14	1.07e-06	-5.41e-04	3.41e-06
180	4	-0.15	-0.16	-0.13	2.91e-04	-3.06e-04	2.92e-05
180	6	-0.21	8.55e-06	-0.10	0.0	-3.92e-04	2.27e-06
180	8	-0.12	-0.11	-0.10	1.94e-04	-2.35e-04	1.95e-05
180	12	-0.13	-5.65e-03	-0.10	9.99e-06	-2.60e-04	1.55e-06
180	16	-0.13	5.40e-03	-0.10	-9.43e-06	-2.60e-04	0.0
180	30	-0.12	0.02	-0.10	-3.24e-05	-2.42e-04	-3.86e-06
180	44	-0.13	-2.74e-03	-0.10	4.80e-06	-2.47e-04	0.0
180	48	-0.13	2.61e-03	-0.10	-4.60e-06	-2.47e-04	0.0
180	62	-0.12	8.93e-03	-0.10	-1.57e-05	-2.38e-04	-1.88e-06
181	2	-0.25	0.0	-0.14	0.0	-5.38e-04	0.0
181	3	-0.13	0.14	-0.13	-2.91e-04	-3.07e-04	-3.05e-05
181	6	-0.18	0.0	-0.11	0.0	-3.90e-04	0.0

181	7	-0.10	0.09	-0.10	-1.94e-04	-2.36e-04	-2.03e-05
181	15	-0.11	4.67e-03	-0.10	-9.46e-06	-2.61e-04	0.0
181	30	-0.10	0.02	-0.10	-3.24e-05	-2.43e-04	-3.84e-06
181	47	-0.11	2.26e-03	-0.10	-4.58e-06	-2.48e-04	0.0
181	62	-0.10	7.75e-03	-0.10	-1.57e-05	-2.40e-04	-1.86e-06
182	2	-0.29	0.0	-0.14	0.0	-5.37e-04	0.0
182	3	-0.15	0.16	-0.13	-2.92e-04	-3.07e-04	-2.95e-05
182	6	-0.21	0.0	-0.11	0.0	-3.90e-04	0.0
182	7	-0.12	0.11	-0.10	-1.95e-04	-2.36e-04	-1.97e-05
182	15	-0.13	5.39e-03	-0.10	-9.46e-06	-2.61e-04	0.0
182	30	-0.12	0.02	-0.10	-3.24e-05	-2.43e-04	-3.85e-06
182	47	-0.13	2.61e-03	-0.10	-4.58e-06	-2.48e-04	0.0
182	62	-0.12	8.94e-03	-0.10	-1.57e-05	-2.39e-04	-1.86e-06
183	2	-0.02	-5.00e-06	-0.10	1.59e-06	-4.94e-04	0.0
183	3	1.24e-03	0.02	-0.11	-2.27e-04	-3.26e-04	0.0
183	5	0.01	4.03e-06	-0.08	7.70e-06	-1.29e-04	0.0
183	7	8.27e-04	0.01	-0.09	-1.50e-04	-2.50e-04	0.0
183	24	2.10e-03	5.72e-04	-0.08	-2.94e-06	-2.25e-04	0.0
183	37	7.24e-04	2.02e-03	-0.08	-2.28e-05	-2.40e-04	0.0
183	38	7.54e-04	1.99e-03	-0.08	-2.28e-05	-2.40e-04	0.0
183	56	1.02e-03	2.77e-04	-0.08	1.03e-06	-2.36e-04	0.0
183	69	3.50e-04	9.76e-04	-0.08	-8.59e-06	-2.43e-04	0.0
183	70	3.65e-04	9.63e-04	-0.08	-8.60e-06	-2.43e-04	0.0
184	1	0.02	6.78e-06	-0.11	1.23e-05	-1.44e-04	0.0
184	3	1.55e-03	0.02	-0.12	-2.24e-04	-3.27e-04	0.0
184	5	0.01	4.56e-06	-0.08	8.99e-06	-1.29e-04	0.0
184	7	1.03e-03	0.01	-0.09	-1.48e-04	-2.50e-04	0.0
184	24	2.12e-03	5.72e-04	-0.08	-1.86e-06	-2.25e-04	0.0
184	37	7.51e-04	2.02e-03	-0.08	-2.17e-05	-2.40e-04	0.0
184	38	7.89e-04	1.99e-03	-0.08	-2.17e-05	-2.40e-04	0.0
184	56	1.02e-03	2.77e-04	-0.08	2.06e-06	-2.35e-04	0.0
184	69	3.63e-04	9.76e-04	-0.08	-7.52e-06	-2.43e-04	0.0
184	70	3.82e-04	9.63e-04	-0.08	-7.53e-06	-2.43e-04	0.0
185	1	0.02	8.35e-06	-0.11	1.55e-05	-1.45e-04	0.0
185	3	3.87e-03	0.02	-0.13	-2.14e-04	-3.30e-04	0.0
185	5	0.01	5.61e-06	-0.08	1.15e-05	-1.29e-04	0.0
185	7	2.58e-03	0.01	-0.10	-1.42e-04	-2.53e-04	0.0
185	24	2.22e-03	5.72e-04	-0.08	1.33e-06	-2.25e-04	0.0
185	37	9.56e-04	2.02e-03	-0.08	-1.79e-05	-2.40e-04	0.0
185	38	1.05e-03	1.99e-03	-0.08	-1.79e-05	-2.40e-04	0.0
185	56	1.07e-03	2.77e-04	-0.08	5.20e-06	-2.35e-04	0.0
185	69	4.62e-04	9.75e-04	-0.08	-4.11e-06	-2.43e-04	0.0
185	70	5.09e-04	9.63e-04	-0.08	-4.12e-06	-2.43e-04	0.0
186	2	-0.02	5.00e-06	-0.10	-1.59e-06	-4.94e-04	0.0
186	4	1.24e-03	-0.02	-0.11	2.27e-04	-3.26e-04	0.0
186	5	0.01	-4.03e-06	-0.08	-7.70e-06	-1.29e-04	0.0
186	8	8.27e-04	-0.01	-0.09	1.50e-04	-2.50e-04	0.0
186	18	2.10e-03	-5.72e-04	-0.08	2.94e-06	-2.25e-04	0.0
186	35	7.24e-04	-2.02e-03	-0.08	2.28e-05	-2.40e-04	0.0
186	36	7.54e-04	-1.99e-03	-0.08	2.28e-05	-2.40e-04	0.0
186	50	1.02e-03	-2.77e-04	-0.08	-1.03e-06	-2.36e-04	0.0
186	67	3.50e-04	-9.76e-04	-0.08	8.59e-06	-2.43e-04	0.0
186	68	3.65e-04	-9.63e-04	-0.08	8.60e-06	-2.43e-04	0.0
187	1	0.02	4.92e-06	-0.11	8.02e-06	-1.44e-04	0.0
187	2	-0.02	-4.14e-06	-0.10	0.0	-4.94e-04	0.0
187	3	8.79e-04	0.02	-0.11	-2.30e-04	-3.24e-04	0.0

187	5	0.01	3.31e-06	-0.08	5.81e-06	-1.29e-04	0.0
187	7	5.86e-04	0.01	-0.08	-1.53e-04	-2.49e-04	0.0
187	24	2.09e-03	5.71e-04	-0.08	-4.39e-06	-2.25e-04	0.0
187	37	6.92e-04	2.02e-03	-0.08	-2.43e-05	-2.40e-04	0.0
187	38	7.13e-04	1.99e-03	-0.08	-2.43e-05	-2.40e-04	0.0
187	56	1.01e-03	2.77e-04	-0.08	0.0	-2.36e-04	0.0
187	69	3.34e-04	9.76e-04	-0.08	-9.99e-06	-2.43e-04	0.0
187	70	3.45e-04	9.63e-04	-0.08	-1.00e-05	-2.43e-04	0.0
188	2	-0.02	5.63e-06	-0.17	1.12e-05	-4.67e-04	0.0
188	3	1.23e-03	0.02	-0.16	-2.32e-04	-2.86e-04	0.0
188	6	-0.01	3.79e-06	-0.13	8.10e-06	-3.41e-04	0.0
188	7	8.17e-04	0.02	-0.12	-1.54e-04	-2.20e-04	0.0
188	12	-2.10e-03	-7.81e-04	-0.11	1.39e-05	-2.43e-04	0.0
188	16	-2.02e-03	7.13e-04	-0.12	-3.06e-06	-2.43e-04	0.0
188	30	-4.66e-04	2.50e-03	-0.11	-2.32e-05	-2.28e-04	0.0
188	44	-1.02e-03	-3.78e-04	-0.11	9.27e-06	-2.33e-04	0.0
188	48	-9.74e-04	3.45e-04	-0.11	1.04e-06	-2.33e-04	0.0
188	62	-2.25e-04	1.21e-03	-0.11	-8.71e-06	-2.25e-04	0.0
189	2	-0.02	6.32e-06	-0.17	1.31e-05	-4.68e-04	0.0
189	3	1.53e-03	0.02	-0.16	-2.29e-04	-2.85e-04	0.0
189	6	-0.01	4.25e-06	-0.13	9.50e-06	-3.41e-04	0.0
189	7	1.02e-03	0.02	-0.12	-1.52e-04	-2.20e-04	0.0
189	12	-2.12e-03	-7.81e-04	-0.11	1.50e-05	-2.44e-04	0.0
189	16	-2.01e-03	7.13e-04	-0.12	-1.92e-06	-2.43e-04	0.0
189	30	-4.28e-04	2.50e-03	-0.11	-2.20e-05	-2.28e-04	0.0
189	44	-1.02e-03	-3.78e-04	-0.11	1.03e-05	-2.33e-04	0.0
189	48	-9.71e-04	3.45e-04	-0.11	2.12e-06	-2.33e-04	0.0
189	62	-2.07e-04	1.21e-03	-0.11	-7.60e-06	-2.25e-04	0.0
190	2	-0.02	-6.31e-06	-0.17	-1.31e-05	-4.68e-04	0.0
190	4	1.53e-03	-0.02	-0.16	2.29e-04	-2.85e-04	0.0
190	6	-0.01	-4.25e-06	-0.13	-9.50e-06	-3.41e-04	0.0
190	8	1.02e-03	-0.02	-0.12	1.52e-04	-2.20e-04	0.0
190	10	-2.01e-03	-7.13e-04	-0.12	1.92e-06	-2.43e-04	0.0
190	14	-2.12e-03	7.81e-04	-0.11	-1.50e-05	-2.44e-04	0.0
190	28	-4.28e-04	-2.50e-03	-0.11	2.20e-05	-2.28e-04	0.0
190	42	-9.71e-04	-3.45e-04	-0.11	-2.12e-06	-2.33e-04	0.0
190	46	-1.02e-03	3.78e-04	-0.11	-1.03e-05	-2.33e-04	0.0
190	60	-2.07e-04	-1.21e-03	-0.11	7.60e-06	-2.25e-04	0.0
191	2	-0.25	-5.36e-06	-0.14	-2.09e-06	-5.39e-04	-1.74e-06
191	3	-0.13	0.14	-0.13	-2.89e-04	-3.07e-04	-3.08e-05
191	6	-0.18	-3.56e-06	-0.10	-1.38e-06	-3.91e-04	-1.16e-06
191	7	-0.10	0.09	-0.10	-1.92e-04	-2.36e-04	-2.05e-05
191	10	-0.11	-4.68e-03	-0.10	9.44e-06	-2.60e-04	0.0
191	14	-0.11	4.90e-03	-0.10	-9.97e-06	-2.60e-04	-1.61e-06
191	30	-0.10	0.02	-0.10	-3.24e-05	-2.43e-04	-3.89e-06
191	42	-0.11	-2.27e-03	-0.10	4.61e-06	-2.47e-04	0.0
191	46	-0.11	2.37e-03	-0.10	-4.79e-06	-2.47e-04	0.0
191	62	-0.10	7.74e-03	-0.10	-1.56e-05	-2.39e-04	-1.91e-06
192	2	-0.29	-1.15e-05	-0.14	-1.06e-06	-5.41e-04	-3.41e-06
192	3	-0.15	0.16	-0.13	-2.91e-04	-3.06e-04	-2.92e-05
192	6	-0.21	-7.62e-06	-0.10	0.0	-3.92e-04	-2.27e-06
192	7	-0.12	0.11	-0.10	-1.94e-04	-2.35e-04	-1.95e-05
192	10	-0.13	-5.40e-03	-0.10	9.44e-06	-2.60e-04	0.0
192	14	-0.13	5.65e-03	-0.10	-9.98e-06	-2.60e-04	-1.54e-06
192	30	-0.12	0.02	-0.10	-3.24e-05	-2.42e-04	-3.83e-06
192	42	-0.13	-2.61e-03	-0.10	4.60e-06	-2.47e-04	0.0

192	46	-0.13	2.74e-03	-0.10	-4.79e-06	-2.47e-04	0.0
192	62	-0.12	8.93e-03	-0.10	-1.56e-05	-2.38e-04	-1.85e-06
193	2	-0.25	-8.34e-06	-0.13	1.19e-06	-5.41e-04	0.0
193	3	-0.13	0.14	-0.12	-2.86e-04	-3.04e-04	-3.09e-05
193	6	-0.18	-5.58e-06	-0.10	0.0	-3.92e-04	0.0
193	7	-0.10	0.09	-0.09	-1.90e-04	-2.34e-04	-2.06e-05
193	10	-0.11	-4.67e-03	-0.10	1.02e-05	-2.59e-04	0.0
193	14	-0.11	4.89e-03	-0.10	-9.19e-06	-2.59e-04	-1.57e-06
193	34	-0.10	-0.02	-0.10	3.33e-05	-2.26e-04	3.85e-06
193	42	-0.11	-2.26e-03	-0.10	5.37e-06	-2.46e-04	0.0
193	46	-0.11	2.37e-03	-0.10	-4.04e-06	-2.46e-04	0.0
193	66	-0.10	-7.73e-03	-0.10	1.65e-05	-2.30e-04	1.86e-06
194	2	-0.29	-2.05e-05	-0.13	1.22e-06	-5.42e-04	1.40e-06
194	3	-0.15	0.16	-0.12	-2.87e-04	-3.04e-04	-3.09e-05
194	6	-0.21	-1.36e-05	-0.10	0.0	-3.93e-04	0.0
194	7	-0.12	0.11	-0.09	-1.91e-04	-2.34e-04	-2.06e-05
194	10	-0.13	-5.39e-03	-0.10	1.01e-05	-2.59e-04	0.0
194	14	-0.13	5.65e-03	-0.10	-9.37e-06	-2.59e-04	-1.56e-06
194	30	-0.12	0.02	-0.10	-3.19e-05	-2.42e-04	-3.84e-06
194	42	-0.13	-2.61e-03	-0.10	5.20e-06	-2.46e-04	0.0
194	46	-0.13	2.73e-03	-0.10	-4.21e-06	-2.46e-04	0.0
194	62	-0.12	8.92e-03	-0.10	-1.51e-05	-2.38e-04	-1.86e-06
195	2	-0.25	1.15e-06	-0.13	2.15e-06	-5.38e-04	0.0
195	3	-0.13	0.14	-0.12	-2.89e-04	-3.01e-04	-3.09e-05
195	6	-0.18	0.0	-0.10	1.43e-06	-3.90e-04	0.0
195	7	-0.10	0.09	-0.09	-1.92e-04	-2.32e-04	-2.06e-05
195	10	-0.11	-4.66e-03	-0.10	1.01e-05	-2.59e-04	0.0
195	14	-0.11	4.88e-03	-0.10	-9.32e-06	-2.59e-04	-1.51e-06
195	30	-0.10	0.02	-0.09	-3.22e-05	-2.41e-04	-3.80e-06
195	42	-0.11	-2.25e-03	-0.10	4.88e-06	-2.46e-04	0.0
195	46	-0.11	2.36e-03	-0.10	-4.51e-06	-2.45e-04	0.0
195	62	-0.10	7.71e-03	-0.09	-1.56e-05	-2.37e-04	-1.82e-06
196	2	-0.29	0.0	-0.13	1.08e-06	-5.40e-04	1.62e-06
196	3	-0.15	0.16	-0.12	-2.91e-04	-3.02e-04	-3.25e-05
196	6	-0.21	0.0	-0.10	0.0	-3.91e-04	1.08e-06
196	7	-0.12	0.11	-0.09	-1.94e-04	-2.33e-04	-2.17e-05
196	10	-0.13	-5.38e-03	-0.10	1.01e-05	-2.59e-04	0.0
196	14	-0.13	5.64e-03	-0.10	-9.35e-06	-2.59e-04	-1.58e-06
196	30	-0.12	0.02	-0.09	-3.23e-05	-2.41e-04	-3.86e-06
196	42	-0.13	-2.60e-03	-0.10	4.85e-06	-2.46e-04	0.0
196	46	-0.13	2.73e-03	-0.10	-4.54e-06	-2.46e-04	0.0
196	62	-0.12	8.90e-03	-0.09	-1.56e-05	-2.37e-04	-1.88e-06
197	2	-0.25	0.0	-0.13	0.0	-5.34e-04	0.0
197	3	-0.13	0.14	-0.12	-2.91e-04	-3.02e-04	-3.12e-05
197	6	-0.18	0.0	-0.10	0.0	-3.87e-04	0.0
197	7	-0.10	0.09	-0.09	-1.94e-04	-2.32e-04	-2.08e-05
197	11	-0.11	-4.87e-03	-0.09	9.47e-06	-2.57e-04	1.27e-06
197	15	-0.11	4.65e-03	-0.09	-9.93e-06	-2.57e-04	0.0
197	30	-0.10	0.02	-0.09	-3.23e-05	-2.40e-04	-3.84e-06
197	43	-0.11	-2.36e-03	-0.09	4.58e-06	-2.45e-04	0.0
197	47	-0.11	2.25e-03	-0.09	-4.80e-06	-2.45e-04	0.0
197	62	-0.10	7.70e-03	-0.09	-1.56e-05	-2.36e-04	-1.86e-06
198	2	-0.29	0.0	-0.13	0.0	-5.36e-04	0.0
198	3	-0.15	0.16	-0.12	-2.92e-04	-3.02e-04	-3.23e-05
198	6	-0.21	0.0	-0.10	0.0	-3.88e-04	0.0
198	7	-0.12	0.11	-0.09	-1.95e-04	-2.33e-04	-2.15e-05

198	11	-0.13	-5.62e-03	-0.09	9.47e-06	-2.58e-04	1.28e-06
198	15	-0.13	5.37e-03	-0.09	-9.93e-06	-2.58e-04	0.0
198	30	-0.12	0.02	-0.09	-3.23e-05	-2.40e-04	-3.85e-06
198	43	-0.13	-2.72e-03	-0.09	4.58e-06	-2.45e-04	0.0
198	47	-0.13	2.60e-03	-0.09	-4.80e-06	-2.45e-04	0.0
198	62	-0.12	8.90e-03	-0.09	-1.56e-05	-2.36e-04	-1.86e-06
199	2	-0.20	-2.85e-05	-0.12	3.57e-06	-5.28e-04	-8.59e-06
199	3	-0.11	0.12	-0.13	-2.79e-04	-3.00e-04	-4.01e-05
199	4	-0.11	-0.12	-0.11	2.82e-04	-3.04e-04	3.93e-05
199	6	-0.15	-1.94e-05	-0.09	2.53e-06	-3.83e-04	-5.73e-06
199	7	-0.08	0.08	-0.10	-1.86e-04	-2.31e-04	-2.68e-05
199	8	-0.08	-0.08	-0.08	1.88e-04	-2.34e-04	2.62e-05
199	12	-0.09	-3.90e-03	-0.09	1.11e-05	-2.58e-04	1.48e-06
199	26	-0.09	-0.01	-0.09	3.36e-05	-2.40e-04	3.50e-06
199	40	-0.08	0.01	-0.09	-3.13e-05	-2.24e-04	-3.92e-06
199	44	-0.09	-1.89e-03	-0.09	5.98e-06	-2.44e-04	0.0
199	58	-0.08	-6.46e-03	-0.09	1.68e-05	-2.36e-04	1.66e-06
199	72	-0.08	6.42e-03	-0.09	-1.46e-05	-2.28e-04	-1.93e-06
200	2	-0.20	6.91e-06	-0.13	-3.16e-06	-5.29e-04	-1.10e-05
200	3	-0.11	0.12	-0.14	-2.85e-04	-3.04e-04	-3.10e-05
200	4	-0.11	-0.12	-0.11	2.80e-04	-3.04e-04	3.10e-05
200	6	-0.15	4.49e-06	-0.10	-2.42e-06	-3.84e-04	-7.33e-06
200	7	-0.08	0.08	-0.10	-1.91e-04	-2.34e-04	-2.07e-05
200	8	-0.08	-0.08	-0.09	1.86e-04	-2.34e-04	2.07e-05
200	12	-0.09	-4.12e-03	-0.10	7.06e-06	-2.59e-04	1.58e-06
200	32	-0.09	0.01	-0.10	-3.47e-05	-2.42e-04	-3.55e-06
200	34	-0.08	-0.01	-0.10	2.99e-05	-2.26e-04	3.85e-06
200	44	-0.09	-1.99e-03	-0.10	2.18e-06	-2.46e-04	0.0
200	64	-0.08	6.48e-03	-0.10	-1.80e-05	-2.38e-04	-1.71e-06
200	66	-0.08	-6.50e-03	-0.10	1.33e-05	-2.30e-04	1.87e-06
201	2	-0.20	2.62e-05	-0.15	0.0	-5.33e-04	-9.10e-06
201	4	-0.11	-0.12	-0.13	2.82e-04	-3.05e-04	2.24e-05
201	6	-0.15	1.71e-05	-0.11	0.0	-3.87e-04	-6.06e-06
201	8	-0.08	-0.08	-0.10	1.88e-04	-2.35e-04	1.50e-05
201	12	-0.09	-4.15e-03	-0.10	1.05e-05	-2.61e-04	1.66e-06
201	16	-0.09	3.96e-03	-0.11	-8.88e-06	-2.61e-04	0.0
201	34	-0.08	-0.01	-0.10	3.35e-05	-2.28e-04	3.94e-06
201	44	-0.09	-2.01e-03	-0.10	5.65e-06	-2.48e-04	0.0
201	48	-0.09	1.92e-03	-0.10	-3.73e-06	-2.48e-04	0.0
201	66	-0.08	-6.56e-03	-0.10	1.68e-05	-2.32e-04	1.96e-06
202	2	-0.20	0.0	-0.15	0.0	-5.40e-04	0.0
202	3	-0.11	0.12	-0.14	-2.79e-04	-3.12e-04	-1.97e-05
202	6	-0.15	0.0	-0.12	0.0	-3.92e-04	0.0
202	7	-0.08	0.08	-0.11	-1.86e-04	-2.40e-04	-1.31e-05
202	15	-0.09	3.96e-03	-0.11	-9.92e-06	-2.65e-04	0.0
202	30	-0.09	0.01	-0.11	-3.23e-05	-2.48e-04	-3.86e-06
202	47	-0.09	1.92e-03	-0.11	-4.79e-06	-2.52e-04	0.0
202	62	-0.08	6.57e-03	-0.11	-1.56e-05	-2.44e-04	-1.87e-06
203	2	-0.20	-2.54e-05	-0.15	0.0	-5.33e-04	9.10e-06
203	3	-0.11	0.12	-0.13	-2.82e-04	-3.05e-04	-2.24e-05
203	6	-0.15	-1.65e-05	-0.11	0.0	-3.87e-04	6.05e-06
203	7	-0.08	0.08	-0.10	-1.88e-04	-2.35e-04	-1.50e-05
203	10	-0.09	-3.96e-03	-0.11	8.89e-06	-2.61e-04	0.0
203	14	-0.09	4.15e-03	-0.10	-1.05e-05	-2.61e-04	-1.66e-06
203	30	-0.09	0.01	-0.10	-3.33e-05	-2.44e-04	-3.94e-06
203	42	-0.09	-1.92e-03	-0.10	3.75e-06	-2.48e-04	0.0

203	46	-0.09	2.01e-03	-0.10	-5.63e-06	-2.48e-04	0.0
203	62	-0.08	6.56e-03	-0.10	-1.67e-05	-2.40e-04	-1.96e-06
204	2	-0.20	-6.05e-06	-0.13	3.16e-06	-5.29e-04	1.10e-05
204	3	-0.11	0.12	-0.11	-2.80e-04	-3.04e-04	-3.10e-05
204	4	-0.11	-0.12	-0.14	2.85e-04	-3.04e-04	3.10e-05
204	6	-0.15	-3.85e-06	-0.10	2.42e-06	-3.84e-04	7.33e-06
204	7	-0.08	0.08	-0.09	-1.86e-04	-2.34e-04	-2.07e-05
204	8	-0.08	-0.08	-0.10	1.91e-04	-2.34e-04	2.07e-05
204	14	-0.09	4.12e-03	-0.10	-7.06e-06	-2.59e-04	-1.58e-06
204	26	-0.09	-0.01	-0.10	3.47e-05	-2.42e-04	3.55e-06
204	30	-0.09	0.01	-0.10	-2.98e-05	-2.42e-04	-3.85e-06
204	46	-0.09	1.99e-03	-0.10	-2.18e-06	-2.46e-04	0.0
204	58	-0.08	-6.47e-03	-0.10	1.80e-05	-2.38e-04	1.71e-06
204	62	-0.08	6.50e-03	-0.10	-1.32e-05	-2.38e-04	-1.87e-06
205	2	-0.20	2.93e-05	-0.12	-3.55e-06	-5.28e-04	8.59e-06
205	3	-0.11	0.12	-0.11	-2.82e-04	-3.04e-04	-3.93e-05
205	4	-0.11	-0.12	-0.13	2.79e-04	-3.00e-04	4.01e-05
205	6	-0.15	2.00e-05	-0.09	-2.51e-06	-3.83e-04	5.73e-06
205	7	-0.08	0.08	-0.08	-1.88e-04	-2.34e-04	-2.62e-05
205	8	-0.08	-0.08	-0.10	1.86e-04	-2.31e-04	2.68e-05
205	14	-0.09	3.90e-03	-0.09	-1.11e-05	-2.58e-04	-1.48e-06
205	34	-0.08	-0.01	-0.09	3.13e-05	-2.24e-04	3.92e-06
205	38	-0.08	0.01	-0.09	-3.34e-05	-2.25e-04	-3.51e-06
205	46	-0.09	1.89e-03	-0.09	-5.96e-06	-2.44e-04	0.0
205	66	-0.08	-6.42e-03	-0.09	1.46e-05	-2.28e-04	1.93e-06
205	70	-0.08	6.46e-03	-0.09	-1.67e-05	-2.29e-04	-1.66e-06
206	2	-0.27	0.0	-0.13	-1.75e-06	-5.39e-04	-1.27e-06
206	4	-0.14	-0.15	-0.12	2.90e-04	-3.02e-04	3.21e-05
206	6	-0.19	0.0	-0.10	-1.17e-06	-3.91e-04	0.0
206	8	-0.11	-0.10	-0.09	1.93e-04	-2.32e-04	2.14e-05
206	12	-0.12	-5.26e-03	-0.10	9.98e-06	-2.59e-04	1.54e-06
206	16	-0.12	5.02e-03	-0.10	-9.42e-06	-2.59e-04	0.0
206	30	-0.11	0.02	-0.10	-3.22e-05	-2.41e-04	-3.86e-06
206	44	-0.12	-2.54e-03	-0.10	4.84e-06	-2.46e-04	0.0
206	48	-0.12	2.43e-03	-0.10	-4.55e-06	-2.46e-04	0.0
206	62	-0.11	8.31e-03	-0.10	-1.56e-05	-2.37e-04	-1.88e-06
207	2	-0.21	-1.30e-05	-0.12	0.0	-5.35e-04	2.19e-06
207	3	-0.11	0.12	-0.13	-2.87e-04	-3.03e-04	-2.73e-05
207	4	-0.11	-0.12	-0.12	2.86e-04	-3.03e-04	3.12e-05
207	6	-0.15	-8.96e-06	-0.09	0.0	-3.87e-04	1.59e-06
207	7	-0.09	0.08	-0.10	-1.91e-04	-2.33e-04	-1.81e-05
207	8	-0.09	-0.08	-0.09	1.91e-04	-2.33e-04	2.09e-05
207	12	-0.10	-4.30e-03	-0.09	9.35e-06	-2.58e-04	2.53e-06
207	32	-0.09	0.01	-0.09	-3.24e-05	-2.40e-04	-2.59e-06
207	34	-0.08	-0.01	-0.09	3.25e-05	-2.25e-04	4.83e-06
207	44	-0.09	-2.08e-03	-0.09	4.55e-06	-2.45e-04	1.73e-06
207	64	-0.09	6.75e-03	-0.09	-1.57e-05	-2.36e-04	0.0
207	66	-0.09	-6.79e-03	-0.09	1.57e-05	-2.29e-04	2.84e-06
208	2	-0.21	9.50e-06	-0.13	-2.17e-06	-5.35e-04	0.0
208	3	-0.11	0.12	-0.13	-2.90e-04	-3.04e-04	-3.07e-05
208	4	-0.11	-0.12	-0.12	2.86e-04	-3.04e-04	3.08e-05
208	6	-0.15	6.05e-06	-0.10	-1.68e-06	-3.88e-04	0.0
208	7	-0.09	0.08	-0.10	-1.94e-04	-2.34e-04	-2.05e-05
208	8	-0.09	-0.08	-0.09	1.90e-04	-2.34e-04	2.05e-05
208	12	-0.10	-4.32e-03	-0.10	8.17e-06	-2.59e-04	1.59e-06
208	32	-0.09	0.01	-0.10	-3.41e-05	-2.42e-04	-3.53e-06

208	34	-0.08	-0.01	-0.10	3.05e-05	-2.26e-04	3.87e-06
208	44	-0.09	-2.09e-03	-0.10	3.02e-06	-2.46e-04	0.0
208	64	-0.09	6.79e-03	-0.10	-1.74e-05	-2.38e-04	-1.69e-06
208	66	-0.09	-6.82e-03	-0.10	1.38e-05	-2.30e-04	1.89e-06
209	2	-0.27	1.54e-05	-0.13	-1.02e-06	-5.42e-04	0.0
209	4	-0.14	-0.15	-0.12	2.87e-04	-3.04e-04	3.09e-05
209	6	-0.19	1.03e-05	-0.10	0.0	-3.92e-04	0.0
209	8	-0.11	-0.10	-0.09	1.91e-04	-2.34e-04	2.06e-05
209	12	-0.12	-5.27e-03	-0.10	8.80e-06	-2.59e-04	1.56e-06
209	16	-0.12	5.03e-03	-0.10	-1.06e-05	-2.59e-04	0.0
209	30	-0.11	0.02	-0.10	-3.30e-05	-2.42e-04	-3.85e-06
209	44	-0.12	-2.55e-03	-0.10	3.91e-06	-2.46e-04	0.0
209	48	-0.12	2.43e-03	-0.10	-5.46e-06	-2.46e-04	0.0
209	62	-0.11	8.32e-03	-0.10	-1.63e-05	-2.38e-04	-1.86e-06
210	2	-0.21	1.44e-05	-0.14	0.0	-5.39e-04	1.13e-06
210	4	-0.11	-0.12	-0.13	2.86e-04	-3.06e-04	3.06e-05
210	6	-0.15	9.35e-06	-0.11	0.0	-3.91e-04	0.0
210	8	-0.09	-0.08	-0.10	1.91e-04	-2.35e-04	2.03e-05
210	12	-0.10	-4.33e-03	-0.10	1.01e-05	-2.61e-04	0.0
210	16	-0.10	4.14e-03	-0.10	-9.35e-06	-2.61e-04	-1.59e-06
210	34	-0.08	-0.01	-0.10	3.23e-05	-2.28e-04	2.91e-06
210	44	-0.09	-2.10e-03	-0.10	4.87e-06	-2.48e-04	0.0
210	48	-0.09	2.00e-03	-0.10	-4.52e-06	-2.48e-04	-1.25e-06
210	66	-0.09	-6.85e-03	-0.10	1.56e-05	-2.32e-04	0.0
211	2	-0.27	8.62e-06	-0.14	1.81e-06	-5.40e-04	2.25e-06
211	4	-0.14	-0.15	-0.13	2.90e-04	-3.07e-04	2.96e-05
211	6	-0.19	5.79e-06	-0.10	1.20e-06	-3.92e-04	1.50e-06
211	8	-0.11	-0.10	-0.10	1.93e-04	-2.36e-04	1.98e-05
211	12	-0.12	-5.28e-03	-0.10	9.38e-06	-2.60e-04	1.58e-06
211	16	-0.12	5.04e-03	-0.10	-1.00e-05	-2.60e-04	0.0
211	30	-0.11	0.02	-0.10	-3.25e-05	-2.42e-04	-3.83e-06
211	44	-0.12	-2.55e-03	-0.10	4.50e-06	-2.47e-04	0.0
211	48	-0.12	2.44e-03	-0.10	-4.88e-06	-2.47e-04	0.0
211	62	-0.11	8.34e-03	-0.10	-1.57e-05	-2.38e-04	-1.84e-06
212	2	-0.21	0.0	-0.15	0.0	-5.43e-04	0.0
212	3	-0.11	0.12	-0.13	-2.85e-04	-3.09e-04	-3.04e-05
212	6	-0.15	0.0	-0.11	0.0	-3.93e-04	0.0
212	7	-0.09	0.08	-0.10	-1.90e-04	-2.38e-04	-2.03e-05
212	15	-0.10	4.14e-03	-0.10	-9.47e-06	-2.64e-04	0.0
212	30	-0.09	0.01	-0.10	-3.24e-05	-2.46e-04	-3.86e-06
212	47	-0.09	2.00e-03	-0.10	-4.58e-06	-2.50e-04	0.0
212	62	-0.09	6.86e-03	-0.10	-1.57e-05	-2.42e-04	-1.87e-06
213	2	-0.27	0.0	-0.14	0.0	-5.39e-04	0.0
213	3	-0.14	0.15	-0.13	-2.92e-04	-3.06e-04	-3.00e-05
213	6	-0.19	0.0	-0.11	0.0	-3.90e-04	0.0
213	7	-0.11	0.10	-0.10	-1.95e-04	-2.36e-04	-2.00e-05
213	15	-0.12	5.03e-03	-0.10	-9.92e-06	-2.61e-04	0.0
213	30	-0.11	0.02	-0.10	-3.23e-05	-2.43e-04	-3.84e-06
213	47	-0.12	2.43e-03	-0.10	-4.80e-06	-2.48e-04	0.0
213	62	-0.11	8.34e-03	-0.10	-1.56e-05	-2.39e-04	-1.86e-06
214	2	-0.21	-1.35e-05	-0.14	0.0	-5.39e-04	-1.14e-06
214	3	-0.11	0.12	-0.13	-2.86e-04	-3.06e-04	-3.07e-05
214	6	-0.15	-8.68e-06	-0.11	0.0	-3.91e-04	0.0
214	7	-0.09	0.08	-0.10	-1.91e-04	-2.35e-04	-2.03e-05
214	10	-0.10	-4.14e-03	-0.10	9.36e-06	-2.61e-04	1.59e-06
214	14	-0.10	4.33e-03	-0.10	-1.01e-05	-2.61e-04	0.0

214	30	-0.09	0.01	-0.10	-3.25e-05	-2.43e-04	-2.92e-06
214	42	-0.09	-2.00e-03	-0.10	4.53e-06	-2.48e-04	1.25e-06
214	46	-0.09	2.10e-03	-0.10	-4.86e-06	-2.48e-04	0.0
214	62	-0.09	6.85e-03	-0.10	-1.57e-05	-2.39e-04	0.0
215	2	-0.27	-7.45e-06	-0.14	-1.81e-06	-5.40e-04	-2.25e-06
215	3	-0.14	0.15	-0.13	-2.90e-04	-3.07e-04	-2.96e-05
215	6	-0.19	-4.94e-06	-0.10	-1.20e-06	-3.92e-04	-1.50e-06
215	7	-0.11	0.10	-0.10	-1.93e-04	-2.36e-04	-1.98e-05
215	10	-0.12	-5.04e-03	-0.10	1.00e-05	-2.60e-04	0.0
215	14	-0.12	5.28e-03	-0.10	-9.37e-06	-2.60e-04	-1.58e-06
215	30	-0.11	0.02	-0.10	-3.22e-05	-2.42e-04	-3.86e-06
215	42	-0.12	-2.44e-03	-0.10	4.88e-06	-2.47e-04	0.0
215	46	-0.12	2.55e-03	-0.10	-4.50e-06	-2.47e-04	0.0
215	62	-0.11	8.34e-03	-0.10	-1.55e-05	-2.38e-04	-1.88e-06
216	2	-0.21	-8.58e-06	-0.13	2.17e-06	-5.35e-04	0.0
216	3	-0.11	0.12	-0.12	-2.86e-04	-3.04e-04	-3.08e-05
216	4	-0.11	-0.12	-0.13	2.90e-04	-3.04e-04	3.07e-05
216	6	-0.15	-5.38e-06	-0.10	1.68e-06	-3.88e-04	0.0
216	7	-0.09	0.08	-0.09	-1.90e-04	-2.34e-04	-2.05e-05
216	8	-0.09	-0.08	-0.10	1.94e-04	-2.34e-04	2.05e-05
216	14	-0.10	4.32e-03	-0.10	-8.17e-06	-2.59e-04	-1.59e-06
216	26	-0.09	-0.01	-0.10	3.41e-05	-2.42e-04	3.53e-06
216	30	-0.09	0.01	-0.10	-3.07e-05	-2.42e-04	-3.87e-06
216	46	-0.09	2.09e-03	-0.10	-3.02e-06	-2.46e-04	0.0
216	58	-0.09	-6.79e-03	-0.10	1.74e-05	-2.38e-04	1.69e-06
216	62	-0.09	6.82e-03	-0.10	-1.39e-05	-2.38e-04	-1.89e-06
217	2	-0.27	-1.42e-05	-0.13	1.02e-06	-5.42e-04	0.0
217	3	-0.14	0.15	-0.12	-2.87e-04	-3.04e-04	-3.09e-05
217	6	-0.19	-9.45e-06	-0.10	0.0	-3.92e-04	0.0
217	7	-0.11	0.10	-0.09	-1.91e-04	-2.34e-04	-2.06e-05
217	10	-0.12	-5.03e-03	-0.10	1.06e-05	-2.59e-04	0.0
217	14	-0.12	5.27e-03	-0.10	-8.80e-06	-2.59e-04	-1.56e-06
217	30	-0.11	0.02	-0.10	-3.15e-05	-2.42e-04	-3.85e-06
217	42	-0.12	-2.43e-03	-0.10	5.46e-06	-2.46e-04	0.0
217	46	-0.12	2.55e-03	-0.10	-3.91e-06	-2.46e-04	0.0
217	62	-0.11	8.32e-03	-0.10	-1.49e-05	-2.38e-04	-1.86e-06
218	2	-0.21	1.39e-05	-0.12	0.0	-5.35e-04	-2.19e-06
218	3	-0.11	0.12	-0.12	-2.86e-04	-3.03e-04	-3.12e-05
218	4	-0.11	-0.12	-0.13	2.87e-04	-3.03e-04	2.73e-05
218	6	-0.15	9.62e-06	-0.09	0.0	-3.87e-04	-1.59e-06
218	7	-0.09	0.08	-0.09	-1.91e-04	-2.33e-04	-2.09e-05
218	8	-0.09	-0.08	-0.10	1.91e-04	-2.33e-04	1.81e-05
218	14	-0.10	4.30e-03	-0.09	-9.34e-06	-2.58e-04	-2.52e-06
218	26	-0.09	-0.01	-0.09	3.24e-05	-2.40e-04	2.60e-06
218	30	-0.09	0.01	-0.09	-3.23e-05	-2.40e-04	-4.81e-06
218	46	-0.09	2.08e-03	-0.09	-4.54e-06	-2.45e-04	-1.72e-06
218	58	-0.09	-6.75e-03	-0.09	1.57e-05	-2.36e-04	0.0
218	62	-0.09	6.79e-03	-0.09	-1.56e-05	-2.36e-04	-2.83e-06
219	2	-0.27	0.0	-0.13	1.76e-06	-5.39e-04	1.27e-06
219	3	-0.14	0.15	-0.12	-2.90e-04	-3.02e-04	-3.21e-05
219	6	-0.19	0.0	-0.10	1.17e-06	-3.91e-04	0.0
219	7	-0.11	0.10	-0.09	-1.93e-04	-2.32e-04	-2.14e-05
219	10	-0.12	-5.02e-03	-0.10	9.42e-06	-2.59e-04	0.0
219	14	-0.12	5.26e-03	-0.10	-9.98e-06	-2.59e-04	-1.54e-06
219	30	-0.11	0.02	-0.09	-3.24e-05	-2.41e-04	-3.83e-06
219	42	-0.12	-2.43e-03	-0.10	4.55e-06	-2.46e-04	0.0

219	46	-0.12	2.54e-03	-0.10	-4.84e-06	-2.46e-04	0.0
219	62	-0.11	8.31e-03	-0.09	-1.57e-05	-2.37e-04	-1.84e-06
220	1	-0.01	0.0	-0.12	0.0	-6.62e-05	0.0
220	2	-0.21	0.0	-0.12	0.0	-5.33e-04	0.0
220	3	-0.11	0.12	-0.12	-2.85e-04	-3.00e-04	-3.16e-05
220	5	-0.02	0.0	-0.09	0.0	-7.49e-05	0.0
220	6	-0.15	0.0	-0.09	0.0	-3.86e-04	0.0
220	7	-0.09	0.08	-0.09	-1.90e-04	-2.30e-04	-2.11e-05
220	11	-0.10	-4.29e-03	-0.09	9.46e-06	-2.55e-04	1.29e-06
220	15	-0.10	4.09e-03	-0.09	-9.92e-06	-2.55e-04	0.0
220	30	-0.09	0.01	-0.09	-3.23e-05	-2.38e-04	-3.86e-06
220	43	-0.09	-2.07e-03	-0.09	4.58e-06	-2.42e-04	0.0
220	47	-0.09	1.98e-03	-0.09	-4.80e-06	-2.42e-04	0.0
220	62	-0.09	6.77e-03	-0.09	-1.56e-05	-2.34e-04	-1.86e-06
221	2	-0.27	0.0	-0.13	0.0	-5.36e-04	0.0
221	3	-0.14	0.15	-0.12	-2.92e-04	-3.02e-04	-3.17e-05
221	6	-0.19	0.0	-0.10	0.0	-3.88e-04	0.0
221	7	-0.11	0.10	-0.09	-1.95e-04	-2.33e-04	-2.11e-05
221	11	-0.12	-5.25e-03	-0.09	9.93e-06	-2.58e-04	1.27e-06
221	15	-0.12	5.01e-03	-0.09	-9.46e-06	-2.58e-04	0.0
221	30	-0.11	0.02	-0.09	-3.24e-05	-2.40e-04	-3.84e-06
221	43	-0.12	-2.54e-03	-0.09	4.81e-06	-2.45e-04	0.0
221	47	-0.12	2.42e-03	-0.09	-4.58e-06	-2.45e-04	0.0
221	62	-0.11	8.30e-03	-0.09	-1.57e-05	-2.36e-04	-1.86e-06
222	2	-0.02	-4.65e-06	-0.17	-8.43e-06	-4.67e-04	0.0
222	4	8.66e-04	-0.02	-0.15	2.35e-04	-2.86e-04	0.0
222	6	-0.01	-3.13e-06	-0.13	-6.09e-06	-3.41e-04	0.0
222	8	5.77e-04	-0.02	-0.12	1.56e-04	-2.20e-04	0.0
222	10	-2.03e-03	-7.13e-04	-0.12	4.57e-06	-2.43e-04	0.0
222	14	-2.09e-03	7.81e-04	-0.11	-1.25e-05	-2.43e-04	0.0
222	28	-5.09e-04	-2.50e-03	-0.11	2.48e-05	-2.28e-04	0.0
222	42	-9.79e-04	-3.45e-04	-0.11	0.0	-2.32e-04	0.0
222	46	-1.01e-03	3.78e-04	-0.11	-7.90e-06	-2.33e-04	0.0
222	60	-2.46e-04	-1.21e-03	-0.11	1.01e-05	-2.25e-04	0.0
223	1	0.02	0.0	-0.13	0.0	-1.12e-04	0.0
223	2	-0.02	0.0	-0.17	0.0	-4.67e-04	0.0
223	4	-2.00e-06	-0.02	-0.15	2.42e-04	-2.89e-04	0.0
223	6	-0.01	0.0	-0.13	0.0	-3.41e-04	0.0
223	8	-1.43e-06	-0.02	-0.11	1.61e-04	-2.23e-04	0.0
223	15	-2.05e-03	6.88e-04	-0.12	-8.81e-06	-2.43e-04	0.0
223	28	-6.14e-04	-2.50e-03	-0.11	2.86e-05	-2.29e-04	0.0
223	47	-9.89e-04	3.33e-04	-0.11	-4.26e-06	-2.32e-04	0.0
223	60	-2.97e-04	-1.21e-03	-0.11	1.39e-05	-2.25e-04	0.0
224	2	-0.02	6.95e-06	-0.16	1.71e-05	-4.66e-04	0.0
224	3	3.84e-03	0.02	-0.18	-2.19e-04	-2.86e-04	0.0
224	6	-0.01	4.67e-06	-0.12	1.26e-05	-3.40e-04	0.0
224	7	2.56e-03	0.02	-0.13	-1.45e-04	-2.20e-04	0.0
224	12	-2.22e-03	-7.80e-04	-0.11	1.79e-05	-2.43e-04	0.0
224	30	-1.49e-04	2.50e-03	-0.12	-1.81e-05	-2.28e-04	0.0
224	32	-1.76e-04	2.48e-03	-0.12	-1.82e-05	-2.28e-04	0.0
224	44	-1.07e-03	-3.77e-04	-0.11	1.34e-05	-2.32e-04	0.0
224	62	-7.18e-05	1.21e-03	-0.11	-4.06e-06	-2.25e-04	0.0
224	64	-8.49e-05	1.20e-03	-0.11	-4.09e-06	-2.25e-04	0.0
225	2	-0.02	-5.62e-06	-0.17	-1.12e-05	-4.67e-04	0.0
225	4	1.23e-03	-0.02	-0.16	2.32e-04	-2.86e-04	0.0
225	6	-0.01	-3.78e-06	-0.13	-8.10e-06	-3.41e-04	0.0

225	8	8.17e-04	-0.02	-0.12	1.54e-04	-2.20e-04	0.0
225	10	-2.02e-03	-7.13e-04	-0.12	3.06e-06	-2.43e-04	0.0
225	14	-2.10e-03	7.81e-04	-0.11	-1.39e-05	-2.43e-04	0.0
225	28	-4.66e-04	-2.50e-03	-0.11	2.32e-05	-2.28e-04	0.0
225	42	-9.74e-04	-3.45e-04	-0.11	-1.04e-06	-2.33e-04	0.0
225	46	-1.02e-03	3.78e-04	-0.11	-9.27e-06	-2.33e-04	0.0
225	60	-2.25e-04	-1.21e-03	-0.11	8.71e-06	-2.25e-04	0.0
226	2	-0.02	4.66e-06	-0.17	8.43e-06	-4.67e-04	0.0
226	3	8.66e-04	0.02	-0.15	-2.35e-04	-2.86e-04	0.0
226	6	-0.01	3.14e-06	-0.13	6.09e-06	-3.41e-04	0.0
226	7	5.77e-04	0.02	-0.12	-1.56e-04	-2.20e-04	0.0
226	12	-2.09e-03	-7.81e-04	-0.11	1.25e-05	-2.43e-04	0.0
226	16	-2.03e-03	7.13e-04	-0.12	-4.57e-06	-2.43e-04	0.0
226	30	-5.09e-04	2.50e-03	-0.11	-2.48e-05	-2.28e-04	0.0
226	44	-1.01e-03	-3.78e-04	-0.11	7.90e-06	-2.33e-04	0.0
226	48	-9.79e-04	3.45e-04	-0.11	0.0	-2.32e-04	0.0
226	62	-2.46e-04	1.21e-03	-0.11	-1.01e-05	-2.25e-04	0.0
227	1	0.02	-8.35e-06	-0.11	-1.55e-05	-1.45e-04	0.0
227	4	3.87e-03	-0.02	-0.13	2.14e-04	-3.30e-04	0.0
227	5	0.01	-5.61e-06	-0.08	-1.15e-05	-1.29e-04	0.0
227	8	2.58e-03	-0.01	-0.10	1.42e-04	-2.53e-04	0.0
227	18	2.22e-03	-5.72e-04	-0.08	-1.33e-06	-2.25e-04	0.0
227	35	9.56e-04	-2.02e-03	-0.08	1.79e-05	-2.40e-04	0.0
227	36	1.05e-03	-1.99e-03	-0.08	1.79e-05	-2.40e-04	0.0
227	50	1.07e-03	-2.77e-04	-0.08	-5.20e-06	-2.35e-04	0.0
227	67	4.62e-04	-9.75e-04	-0.08	4.11e-06	-2.43e-04	0.0
227	68	5.09e-04	-9.63e-04	-0.08	4.12e-06	-2.43e-04	0.0
228	2	-0.02	-6.94e-06	-0.16	-1.71e-05	-4.66e-04	0.0
228	4	3.84e-03	-0.02	-0.18	2.19e-04	-2.86e-04	0.0
228	6	-0.01	-4.67e-06	-0.12	-1.26e-05	-3.40e-04	0.0
228	8	2.56e-03	-0.02	-0.13	1.45e-04	-2.20e-04	0.0
228	14	-2.22e-03	7.80e-04	-0.11	-1.79e-05	-2.43e-04	0.0
228	26	-1.76e-04	-2.48e-03	-0.12	1.82e-05	-2.28e-04	0.0
228	28	-1.49e-04	-2.50e-03	-0.12	1.81e-05	-2.28e-04	0.0
228	46	-1.07e-03	3.77e-04	-0.11	-1.34e-05	-2.32e-04	0.0
228	58	-8.49e-05	-1.20e-03	-0.11	4.09e-06	-2.25e-04	0.0
228	60	-7.18e-05	-1.21e-03	-0.11	4.06e-06	-2.25e-04	0.0
229	2	-0.07	1.82e-04	-0.13	0.0	-5.13e-04	-1.69e-05
229	3	-0.03	0.05	-0.14	-2.72e-04	-3.05e-04	-3.31e-05
229	4	-0.03	-0.05	-0.12	2.73e-04	-3.04e-04	3.31e-05
229	6	-0.05	1.28e-04	-0.10	0.0	-3.73e-04	-1.12e-05
229	7	-0.02	0.03	-0.10	-1.82e-04	-2.34e-04	-2.20e-05
229	8	-0.02	-0.03	-0.09	1.82e-04	-2.34e-04	2.20e-05
229	12	-0.03	-1.59e-03	-0.10	8.94e-06	-2.58e-04	1.57e-06
229	30	-0.02	5.40e-03	-0.10	-3.07e-05	-2.41e-04	-4.19e-06
229	32	-0.02	5.38e-03	-0.10	-3.07e-05	-2.41e-04	-3.96e-06
229	44	-0.03	-7.44e-04	-0.10	4.32e-06	-2.46e-04	0.0
229	62	-0.02	2.64e-03	-0.10	-1.48e-05	-2.38e-04	-2.03e-06
229	64	-0.02	2.63e-03	-0.10	-1.48e-05	-2.38e-04	-1.92e-06
230	2	-0.07	-1.53e-04	-0.12	8.02e-06	-5.17e-04	4.77e-06
230	3	-0.03	0.05	-0.12	-2.67e-04	-2.96e-04	-1.69e-05
230	4	-0.03	-0.05	-0.11	2.71e-04	-3.09e-04	2.27e-05
230	6	-0.05	-9.98e-05	-0.09	5.55e-06	-3.76e-04	2.93e-06
230	7	-0.02	0.03	-0.10	-1.78e-04	-2.29e-04	-1.15e-05
230	8	-0.02	-0.03	-0.09	1.81e-04	-2.37e-04	1.49e-05
230	12	-0.03	-1.59e-03	-0.09	1.05e-05	-2.57e-04	0.0

230	38	-0.02	5.26e-03	-0.09	-2.93e-05	-2.26e-04	-5.54e-06
230	40	-0.02	5.25e-03	-0.09	-2.92e-05	-2.26e-04	-5.78e-06
230	44	-0.03	-7.61e-04	-0.09	5.88e-06	-2.44e-04	-1.04e-06
230	70	-0.02	2.55e-03	-0.09	-1.34e-05	-2.29e-04	-3.63e-06
230	72	-0.02	2.55e-03	-0.09	-1.34e-05	-2.29e-04	-3.75e-06
231	2	-0.07	2.62e-04	-0.15	-3.99e-06	-5.21e-04	1.84e-05
231	4	-0.03	-0.05	-0.13	2.71e-04	-3.00e-04	3.91e-05
231	6	-0.05	1.76e-04	-0.11	-2.47e-06	-3.78e-04	1.25e-05
231	8	-0.02	-0.03	-0.10	1.81e-04	-2.31e-04	2.63e-05
231	12	-0.03	-1.65e-03	-0.10	1.10e-05	-2.59e-04	3.17e-06
231	16	-0.03	1.61e-03	-0.11	-7.50e-06	-2.59e-04	1.04e-06
231	40	-0.02	5.47e-03	-0.10	-2.95e-05	-2.28e-04	-1.76e-06
231	44	-0.03	-7.93e-04	-0.10	6.08e-06	-2.47e-04	2.49e-06
231	48	-0.03	7.89e-04	-0.10	-2.88e-06	-2.47e-04	1.46e-06
231	72	-0.02	2.66e-03	-0.10	-1.35e-05	-2.32e-04	0.0
232	2	-0.07	0.0	-0.15	0.0	-5.24e-04	0.0
232	3	-0.03	0.05	-0.14	-2.63e-04	-3.07e-04	-1.25e-05
232	6	-0.05	0.0	-0.12	0.0	-3.81e-04	0.0
232	7	-0.02	0.03	-0.11	-1.75e-04	-2.36e-04	-8.35e-06
232	15	-0.03	1.59e-03	-0.11	-9.09e-06	-2.59e-04	0.0
232	30	-0.02	5.50e-03	-0.11	-3.11e-05	-2.43e-04	-3.50e-06
232	47	-0.03	7.70e-04	-0.11	-4.39e-06	-2.47e-04	0.0
232	62	-0.02	2.66e-03	-0.11	-1.51e-05	-2.39e-04	-1.69e-06
233	2	-0.07	-2.61e-04	-0.15	4.00e-06	-5.21e-04	-1.84e-05
233	3	-0.03	0.05	-0.13	-2.71e-04	-3.00e-04	-3.91e-05
233	6	-0.05	-1.76e-04	-0.11	2.47e-06	-3.78e-04	-1.25e-05
233	7	-0.02	0.03	-0.10	-1.81e-04	-2.31e-04	-2.63e-05
233	10	-0.03	-1.61e-03	-0.11	7.51e-06	-2.59e-04	-1.04e-06
233	14	-0.03	1.65e-03	-0.10	-1.10e-05	-2.59e-04	-3.17e-06
233	34	-0.02	-5.47e-03	-0.10	2.95e-05	-2.28e-04	1.76e-06
233	42	-0.03	-7.89e-04	-0.10	2.88e-06	-2.47e-04	-1.46e-06
233	46	-0.03	7.93e-04	-0.10	-6.08e-06	-2.47e-04	-2.49e-06
233	66	-0.02	-2.66e-03	-0.10	1.35e-05	-2.32e-04	0.0
234	2	-0.07	-1.82e-04	-0.13	0.0	-5.13e-04	1.69e-05
234	3	-0.03	0.05	-0.12	-2.73e-04	-3.04e-04	-3.31e-05
234	4	-0.03	-0.05	-0.14	2.72e-04	-3.05e-04	3.31e-05
234	6	-0.05	-1.28e-04	-0.10	0.0	-3.73e-04	1.12e-05
234	7	-0.02	0.03	-0.09	-1.82e-04	-2.34e-04	-2.20e-05
234	8	-0.02	-0.03	-0.10	1.82e-04	-2.34e-04	2.20e-05
234	14	-0.03	1.59e-03	-0.10	-8.94e-06	-2.58e-04	-1.57e-06
234	26	-0.02	-5.38e-03	-0.10	3.07e-05	-2.41e-04	3.96e-06
234	28	-0.02	-5.40e-03	-0.10	3.07e-05	-2.41e-04	4.19e-06
234	46	-0.03	7.44e-04	-0.10	-4.32e-06	-2.46e-04	0.0
234	58	-0.02	-2.63e-03	-0.10	1.48e-05	-2.38e-04	1.92e-06
234	60	-0.02	-2.64e-03	-0.10	1.48e-05	-2.38e-04	2.03e-06
235	2	-0.07	1.53e-04	-0.12	-8.01e-06	-5.17e-04	-4.77e-06
235	3	-0.03	0.05	-0.11	-2.71e-04	-3.09e-04	-2.27e-05
235	4	-0.03	-0.05	-0.12	2.67e-04	-2.96e-04	1.69e-05
235	6	-0.05	1.00e-04	-0.09	-5.54e-06	-3.76e-04	-2.93e-06
235	7	-0.02	0.03	-0.09	-1.81e-04	-2.37e-04	-1.49e-05
235	8	-0.02	-0.03	-0.10	1.78e-04	-2.29e-04	1.15e-05
235	14	-0.03	1.59e-03	-0.09	-1.05e-05	-2.57e-04	0.0
235	34	-0.02	-5.25e-03	-0.09	2.93e-05	-2.26e-04	5.78e-06
235	36	-0.02	-5.26e-03	-0.09	2.93e-05	-2.26e-04	5.54e-06
235	46	-0.03	7.62e-04	-0.09	-5.87e-06	-2.44e-04	1.04e-06
235	66	-0.02	-2.55e-03	-0.09	1.34e-05	-2.29e-04	3.75e-06

235	68	-0.02	-2.55e-03	-0.09	1.34e-05	-2.29e-04	3.63e-06
236	1	0.01	0.0	-0.12	0.0	-8.44e-05	0.0
236	2	-0.07	0.0	-0.11	0.0	-5.21e-04	0.0
236	3	-0.03	0.05	-0.11	-2.62e-04	-3.02e-04	-4.48e-05
236	5	3.94e-03	0.0	-0.09	0.0	-8.73e-05	0.0
236	6	-0.05	0.0	-0.09	0.0	-3.79e-04	0.0
236	7	-0.02	0.03	-0.09	-1.75e-04	-2.33e-04	-2.99e-05
236	15	-0.03	1.60e-03	-0.09	-9.51e-06	-2.57e-04	0.0
236	19	-0.02	-1.60e-03	-0.09	9.52e-06	-2.09e-04	0.0
236	37	-0.02	5.20e-03	-0.09	-3.10e-05	-2.26e-04	-2.18e-06
236	47	-0.03	7.73e-04	-0.09	-4.60e-06	-2.44e-04	0.0
236	51	-0.02	-7.73e-04	-0.09	4.61e-06	-2.21e-04	0.0
236	69	-0.02	2.52e-03	-0.09	-1.50e-05	-2.29e-04	-1.05e-06
237	1	0.02	-4.37e-06	-0.13	2.02e-06	-1.10e-04	0.0
237	2	-0.02	4.84e-06	-0.18	1.05e-05	-4.60e-04	0.0
237	3	1.23e-03	0.02	-0.16	-2.30e-04	-2.82e-04	0.0
237	6	-0.01	3.25e-06	-0.14	7.62e-06	-3.36e-04	0.0
237	7	8.17e-04	0.02	-0.13	-1.53e-04	-2.17e-04	0.0
237	12	-2.10e-03	-8.23e-04	-0.12	1.37e-05	-2.40e-04	0.0
237	16	-2.02e-03	7.35e-04	-0.12	-3.13e-06	-2.40e-04	0.0
237	30	-4.66e-04	2.61e-03	-0.12	-2.31e-05	-2.25e-04	0.0
237	44	-1.02e-03	-3.98e-04	-0.12	9.15e-06	-2.29e-04	0.0
237	48	-9.74e-04	3.56e-04	-0.12	0.0	-2.29e-04	0.0
237	62	-2.25e-04	1.26e-03	-0.12	-8.67e-06	-2.22e-04	0.0
238	2	-0.02	5.70e-06	-0.18	1.25e-05	-4.61e-04	0.0
238	3	1.53e-03	0.02	-0.17	-2.28e-04	-2.82e-04	0.0
238	6	-0.01	3.83e-06	-0.14	9.11e-06	-3.36e-04	0.0
238	7	1.02e-03	0.02	-0.13	-1.51e-04	-2.17e-04	0.0
238	12	-2.12e-03	-8.23e-04	-0.12	1.48e-05	-2.40e-04	0.0
238	16	-2.01e-03	7.35e-04	-0.12	-1.98e-06	-2.40e-04	0.0
238	30	-4.28e-04	2.61e-03	-0.12	-2.19e-05	-2.25e-04	0.0
238	44	-1.02e-03	-3.98e-04	-0.12	1.02e-05	-2.29e-04	0.0
238	48	-9.70e-04	3.56e-04	-0.12	2.08e-06	-2.29e-04	0.0
238	62	-2.07e-04	1.26e-03	-0.12	-7.57e-06	-2.22e-04	0.0
239	2	-0.02	-5.69e-06	-0.18	-1.25e-05	-4.61e-04	0.0
239	4	1.53e-03	-0.02	-0.17	2.28e-04	-2.82e-04	0.0
239	6	-0.01	-3.82e-06	-0.14	-9.12e-06	-3.36e-04	0.0
239	8	1.02e-03	-0.02	-0.13	1.51e-04	-2.17e-04	0.0
239	10	-2.01e-03	-7.35e-04	-0.12	1.98e-06	-2.40e-04	0.0
239	14	-2.12e-03	8.23e-04	-0.12	-1.48e-05	-2.40e-04	0.0
239	28	-4.28e-04	-2.61e-03	-0.12	2.19e-05	-2.25e-04	0.0
239	42	-9.70e-04	-3.56e-04	-0.12	-2.08e-06	-2.29e-04	0.0
239	46	-1.02e-03	3.98e-04	-0.12	-1.02e-05	-2.29e-04	0.0
239	60	-2.07e-04	-1.26e-03	-0.12	7.57e-06	-2.22e-04	0.0
240	1	0.02	3.29e-06	-0.13	-1.32e-06	-1.11e-04	0.0
240	2	-0.02	-3.64e-06	-0.18	-7.72e-06	-4.60e-04	0.0
240	4	8.66e-04	-0.02	-0.16	2.33e-04	-2.83e-04	0.0
240	6	-0.01	-2.44e-06	-0.14	-5.61e-06	-3.36e-04	0.0
240	8	5.78e-04	-0.02	-0.12	1.55e-04	-2.18e-04	0.0
240	10	-2.03e-03	-7.35e-04	-0.12	4.61e-06	-2.40e-04	0.0
240	14	-2.09e-03	8.23e-04	-0.12	-1.23e-05	-2.40e-04	0.0
240	28	-5.09e-04	-2.61e-03	-0.12	2.46e-05	-2.25e-04	0.0
240	42	-9.78e-04	-3.56e-04	-0.12	0.0	-2.29e-04	0.0
240	46	-1.01e-03	3.98e-04	-0.12	-7.77e-06	-2.29e-04	0.0
240	60	-2.46e-04	-1.26e-03	-0.12	1.01e-05	-2.22e-04	0.0
241	1	0.02	0.0	-0.13	0.0	-1.11e-04	0.0

241	2	-0.02	0.0	-0.18	0.0	-4.60e-04	0.0
241	4	-1.56e-06	-0.02	-0.16	2.38e-04	-2.86e-04	0.0
241	5	0.01	0.0	-0.10	0.0	-1.03e-04	0.0
241	6	-0.01	0.0	-0.14	0.0	-3.36e-04	0.0
241	8	-1.11e-06	-0.02	-0.12	1.59e-04	-2.20e-04	0.0
241	15	-2.05e-03	7.03e-04	-0.12	-8.69e-06	-2.40e-04	0.0
241	28	-6.14e-04	-2.61e-03	-0.12	2.83e-05	-2.26e-04	0.0
241	47	-9.88e-04	3.40e-04	-0.12	-4.21e-06	-2.29e-04	0.0
241	60	-2.97e-04	-1.26e-03	-0.12	1.37e-05	-2.23e-04	0.0
242	2	-0.02	8.12e-06	-0.18	1.84e-05	-4.60e-04	0.0
242	3	3.84e-03	0.02	-0.18	-2.19e-04	-2.80e-04	0.0
242	6	-0.01	5.45e-06	-0.13	1.35e-05	-3.36e-04	0.0
242	7	2.56e-03	0.02	-0.14	-1.45e-04	-2.16e-04	0.0
242	12	-2.22e-03	-8.23e-04	-0.12	1.85e-05	-2.40e-04	0.0
242	30	-1.50e-04	2.61e-03	-0.12	-1.77e-05	-2.25e-04	0.0
242	32	-1.77e-04	2.58e-03	-0.12	-1.78e-05	-2.25e-04	0.0
242	44	-1.07e-03	-3.98e-04	-0.12	1.39e-05	-2.29e-04	0.0
242	62	-7.20e-05	1.26e-03	-0.12	-3.64e-06	-2.22e-04	0.0
242	64	-8.51e-05	1.25e-03	-0.12	-3.66e-06	-2.22e-04	0.0
243	1	0.02	4.36e-06	-0.13	-2.02e-06	-1.10e-04	0.0
243	2	-0.02	-4.83e-06	-0.18	-1.05e-05	-4.60e-04	0.0
243	4	1.23e-03	-0.02	-0.16	2.30e-04	-2.82e-04	0.0
243	6	-0.01	-3.24e-06	-0.14	-7.62e-06	-3.36e-04	0.0
243	8	8.17e-04	-0.02	-0.13	1.53e-04	-2.17e-04	0.0
243	10	-2.02e-03	-7.35e-04	-0.12	3.13e-06	-2.40e-04	0.0
243	14	-2.10e-03	8.23e-04	-0.12	-1.37e-05	-2.40e-04	0.0
243	28	-4.66e-04	-2.61e-03	-0.12	2.31e-05	-2.25e-04	0.0
243	42	-9.74e-04	-3.56e-04	-0.12	0.0	-2.29e-04	0.0
243	46	-1.02e-03	3.98e-04	-0.12	-9.15e-06	-2.29e-04	0.0
243	60	-2.25e-04	-1.26e-03	-0.12	8.67e-06	-2.22e-04	0.0
244	1	0.02	-3.31e-06	-0.13	1.32e-06	-1.11e-04	0.0
244	2	-0.02	3.65e-06	-0.18	7.72e-06	-4.60e-04	0.0
244	3	8.66e-04	0.02	-0.16	-2.33e-04	-2.83e-04	0.0
244	6	-0.01	2.45e-06	-0.14	5.61e-06	-3.36e-04	0.0
244	7	5.78e-04	0.02	-0.12	-1.55e-04	-2.18e-04	0.0
244	12	-2.09e-03	-8.23e-04	-0.12	1.23e-05	-2.40e-04	0.0
244	16	-2.03e-03	7.35e-04	-0.12	-4.61e-06	-2.40e-04	0.0
244	30	-5.09e-04	2.61e-03	-0.12	-2.46e-05	-2.25e-04	0.0
244	44	-1.01e-03	-3.98e-04	-0.12	7.77e-06	-2.29e-04	0.0
244	48	-9.78e-04	3.56e-04	-0.12	0.0	-2.29e-04	0.0
244	62	-2.46e-04	1.26e-03	-0.12	-1.01e-05	-2.22e-04	0.0
245	2	-0.02	-8.11e-06	-0.18	-1.84e-05	-4.60e-04	0.0
245	4	3.84e-03	-0.02	-0.18	2.19e-04	-2.80e-04	0.0
245	6	-0.01	-5.44e-06	-0.13	-1.35e-05	-3.36e-04	0.0
245	8	2.56e-03	-0.02	-0.14	1.45e-04	-2.16e-04	0.0
245	14	-2.22e-03	8.23e-04	-0.12	-1.85e-05	-2.40e-04	0.0
245	26	-1.77e-04	-2.58e-03	-0.12	1.78e-05	-2.25e-04	0.0
245	28	-1.50e-04	-2.61e-03	-0.12	1.77e-05	-2.25e-04	0.0
245	46	-1.07e-03	3.98e-04	-0.12	-1.39e-05	-2.29e-04	0.0
245	58	-8.51e-05	-1.25e-03	-0.12	3.66e-06	-2.22e-04	0.0
245	60	-7.20e-05	-1.26e-03	-0.12	3.64e-06	-2.22e-04	0.0
246	1	0.02	9.64e-06	-0.11	1.66e-05	-1.51e-04	0.0
246	3	3.87e-03	0.02	-0.12	-2.13e-04	-3.34e-04	0.0
246	5	0.01	6.46e-06	-0.08	1.23e-05	-1.34e-04	0.0
246	7	2.58e-03	0.01	-0.09	-1.41e-04	-2.56e-04	0.0
246	24	2.22e-03	5.30e-04	-0.07	1.68e-06	-2.28e-04	0.0

246	37	9.57e-04	1.93e-03	-0.08	-1.75e-05	-2.43e-04	0.0
246	38	1.05e-03	1.88e-03	-0.08	-1.75e-05	-2.43e-04	0.0
246	56	1.07e-03	2.56e-04	-0.07	5.48e-06	-2.39e-04	0.0
246	69	4.62e-04	9.35e-04	-0.07	-3.81e-06	-2.46e-04	0.0
246	70	5.09e-04	9.11e-04	-0.07	-3.82e-06	-2.46e-04	0.0
247	1	0.02	-9.63e-06	-0.11	-1.66e-05	-1.51e-04	0.0
247	4	3.87e-03	-0.02	-0.12	2.13e-04	-3.34e-04	0.0
247	5	0.01	-6.45e-06	-0.08	-1.23e-05	-1.34e-04	0.0
247	8	2.58e-03	-0.01	-0.09	1.41e-04	-2.56e-04	0.0
247	18	2.22e-03	-5.30e-04	-0.07	-1.68e-06	-2.28e-04	0.0
247	35	9.57e-04	-1.93e-03	-0.08	1.75e-05	-2.43e-04	0.0
247	36	1.05e-03	-1.88e-03	-0.08	1.75e-05	-2.43e-04	0.0
247	50	1.07e-03	-2.56e-04	-0.07	-5.48e-06	-2.39e-04	0.0
247	67	4.62e-04	-9.35e-04	-0.07	3.81e-06	-2.46e-04	0.0
247	68	5.09e-04	-9.11e-04	-0.07	3.82e-06	-2.46e-04	0.0
248	1	0.02	-3.96e-06	-0.11	-7.21e-06	-1.52e-04	0.0
248	2	-0.02	3.62e-06	-0.08	-1.36e-06	-4.93e-04	0.0
248	4	8.78e-04	-0.02	-0.10	2.26e-04	-3.27e-04	0.0
248	5	0.01	-2.65e-06	-0.08	-5.25e-06	-1.34e-04	0.0
248	6	-0.01	2.40e-06	-0.06	-1.35e-06	-3.62e-04	0.0
248	8	5.85e-04	-0.01	-0.08	1.50e-04	-2.51e-04	0.0
248	18	2.09e-03	-5.29e-04	-0.07	4.43e-06	-2.28e-04	0.0
248	20	2.07e-03	-5.95e-04	-0.07	4.59e-06	-2.28e-04	0.0
248	35	6.91e-04	-1.93e-03	-0.07	2.39e-05	-2.43e-04	0.0
248	50	1.01e-03	-2.56e-04	-0.07	0.0	-2.39e-04	0.0
248	52	9.98e-04	-2.88e-04	-0.07	0.0	-2.39e-04	0.0
248	67	3.34e-04	-9.35e-04	-0.07	9.86e-06	-2.45e-04	0.0
249	1	0.02	0.0	-0.11	0.0	-1.52e-04	0.0
249	2	-0.02	0.0	-0.08	0.0	-4.93e-04	0.0
249	4	1.20e-06	-0.02	-0.09	2.31e-04	-3.23e-04	0.0
249	5	0.01	0.0	-0.08	0.0	-1.34e-04	0.0
249	6	-0.01	0.0	-0.06	0.0	-3.62e-04	0.0
249	8	0.0	-0.01	-0.07	1.54e-04	-2.48e-04	0.0
249	19	2.04e-03	-6.10e-04	-0.07	8.04e-06	-2.28e-04	0.0
249	25	-6.13e-04	-1.93e-03	-0.07	2.74e-05	-2.54e-04	0.0
249	51	9.88e-04	-2.95e-04	-0.07	3.89e-06	-2.39e-04	0.0
249	57	-2.96e-04	-9.35e-04	-0.07	1.33e-05	-2.51e-04	0.0
250	1	0.02	-6.27e-06	-0.11	-1.16e-05	-1.51e-04	0.0
250	2	-0.02	5.70e-06	-0.08	-2.76e-06	-4.94e-04	0.0
250	4	1.55e-03	-0.02	-0.11	2.21e-04	-3.30e-04	0.0
250	5	0.01	-4.21e-06	-0.08	-8.48e-06	-1.34e-04	0.0
250	6	-0.01	3.78e-06	-0.06	-2.58e-06	-3.62e-04	0.0
250	8	1.03e-03	-0.01	-0.08	1.47e-04	-2.53e-04	0.0
250	18	2.12e-03	-5.29e-04	-0.07	1.97e-06	-2.28e-04	0.0
250	35	7.51e-04	-1.93e-03	-0.07	2.15e-05	-2.43e-04	0.0
250	36	7.89e-04	-1.88e-03	-0.07	2.15e-05	-2.43e-04	0.0
250	50	1.02e-03	-2.56e-04	-0.07	-1.92e-06	-2.38e-04	0.0
250	67	3.63e-04	-9.35e-04	-0.07	7.51e-06	-2.46e-04	0.0
250	68	3.81e-04	-9.11e-04	-0.07	7.52e-06	-2.46e-04	0.0
251	1	0.02	5.30e-06	-0.11	9.75e-06	-1.51e-04	0.0
251	2	-0.02	-4.83e-06	-0.08	2.08e-06	-4.94e-04	0.0
251	3	1.24e-03	0.02	-0.10	-2.23e-04	-3.28e-04	0.0
251	5	0.01	3.55e-06	-0.08	7.11e-06	-1.34e-04	0.0
251	6	-0.01	-3.20e-06	-0.06	2.00e-06	-3.62e-04	0.0
251	7	8.27e-04	0.01	-0.08	-1.48e-04	-2.52e-04	0.0
251	22	2.07e-03	5.95e-04	-0.07	-3.21e-06	-2.28e-04	0.0

251	24	2.10e-03	5.29e-04	-0.07	-3.05e-06	-2.28e-04	0.0
251	37	7.23e-04	1.93e-03	-0.07	-2.26e-05	-2.43e-04	0.0
251	54	1.00e-03	2.88e-04	-0.07	0.0	-2.38e-04	0.0
251	56	1.02e-03	2.56e-04	-0.07	0.0	-2.38e-04	0.0
251	69	3.50e-04	9.35e-04	-0.07	-8.54e-06	-2.46e-04	0.0
252	1	0.02	6.28e-06	-0.11	1.16e-05	-1.51e-04	0.0
252	2	-0.02	-5.71e-06	-0.08	2.76e-06	-4.94e-04	0.0
252	3	1.55e-03	0.02	-0.11	-2.21e-04	-3.30e-04	0.0
252	5	0.01	4.21e-06	-0.08	8.48e-06	-1.34e-04	0.0
252	6	-0.01	-3.78e-06	-0.06	2.58e-06	-3.62e-04	0.0
252	7	1.03e-03	0.01	-0.08	-1.47e-04	-2.53e-04	0.0
252	24	2.12e-03	5.29e-04	-0.07	-1.97e-06	-2.28e-04	0.0
252	37	7.51e-04	1.93e-03	-0.07	-2.15e-05	-2.43e-04	0.0
252	38	7.89e-04	1.88e-03	-0.07	-2.15e-05	-2.43e-04	0.0
252	56	1.02e-03	2.56e-04	-0.07	1.92e-06	-2.38e-04	0.0
252	69	3.63e-04	9.35e-04	-0.07	-7.51e-06	-2.46e-04	0.0
252	70	3.81e-04	9.11e-04	-0.07	-7.52e-06	-2.46e-04	0.0
253	1	0.02	-5.29e-06	-0.11	-9.75e-06	-1.51e-04	0.0
253	2	-0.02	4.82e-06	-0.08	-2.08e-06	-4.94e-04	0.0
253	4	1.24e-03	-0.02	-0.10	2.23e-04	-3.28e-04	0.0
253	5	0.01	-3.55e-06	-0.08	-7.11e-06	-1.34e-04	0.0
253	6	-0.01	3.19e-06	-0.06	-2.00e-06	-3.62e-04	0.0
253	8	8.27e-04	-0.01	-0.08	1.48e-04	-2.52e-04	0.0
253	18	2.10e-03	-5.29e-04	-0.07	3.04e-06	-2.28e-04	0.0
253	20	2.07e-03	-5.95e-04	-0.07	3.21e-06	-2.28e-04	0.0
253	35	7.23e-04	-1.93e-03	-0.07	2.26e-05	-2.43e-04	0.0
253	50	1.02e-03	-2.56e-04	-0.07	0.0	-2.38e-04	0.0
253	52	1.00e-03	-2.88e-04	-0.07	0.0	-2.38e-04	0.0
253	67	3.50e-04	-9.35e-04	-0.07	8.54e-06	-2.46e-04	0.0
254	1	0.02	3.96e-06	-0.11	7.21e-06	-1.52e-04	0.0
254	2	-0.02	-3.62e-06	-0.08	1.36e-06	-4.93e-04	0.0
254	3	8.78e-04	0.02	-0.10	-2.26e-04	-3.27e-04	0.0
254	5	0.01	2.66e-06	-0.08	5.25e-06	-1.34e-04	0.0
254	6	-0.01	-2.40e-06	-0.06	1.35e-06	-3.62e-04	0.0
254	7	5.85e-04	0.01	-0.08	-1.50e-04	-2.51e-04	0.0
254	22	2.07e-03	5.95e-04	-0.07	-4.59e-06	-2.28e-04	0.0
254	24	2.09e-03	5.29e-04	-0.07	-4.43e-06	-2.28e-04	0.0
254	37	6.91e-04	1.93e-03	-0.07	-2.39e-05	-2.43e-04	0.0
254	54	9.98e-04	2.88e-04	-0.07	0.0	-2.39e-04	0.0
254	56	1.01e-03	2.56e-04	-0.07	0.0	-2.39e-04	0.0
254	69	3.34e-04	9.35e-04	-0.07	-9.86e-06	-2.45e-04	0.0
255	2	-0.02	-8.46e-06	-0.19	-1.78e-05	-4.58e-04	0.0
255	4	2.76e-03	-0.03	-0.18	2.20e-04	-2.79e-04	0.0
255	6	-0.01	-5.66e-06	-0.14	-1.31e-05	-3.34e-04	0.0
255	8	1.84e-03	-0.02	-0.14	1.46e-04	-2.15e-04	0.0
255	10	-1.98e-03	-7.53e-04	-0.13	-1.43e-06	-2.38e-04	0.0
255	14	-2.17e-03	8.58e-04	-0.13	-1.80e-05	-2.38e-04	0.0
255	28	-2.80e-04	-2.70e-03	-0.13	1.84e-05	-2.23e-04	0.0
255	42	-9.56e-04	-3.65e-04	-0.13	-5.37e-06	-2.27e-04	0.0
255	46	-1.05e-03	4.15e-04	-0.13	-1.34e-05	-2.28e-04	0.0
255	60	-1.35e-04	-1.31e-03	-0.13	4.21e-06	-2.20e-04	0.0
256	1	0.02	-9.73e-06	-0.10	-1.60e-05	-1.54e-04	0.0
256	4	2.79e-03	-0.02	-0.11	2.13e-04	-3.34e-04	0.0
256	5	0.01	-6.51e-06	-0.08	-1.18e-05	-1.36e-04	0.0
256	8	1.86e-03	-0.01	-0.08	1.41e-04	-2.56e-04	0.0
256	18	2.17e-03	-4.94e-04	-0.07	-1.00e-06	-2.30e-04	0.0

256	35	8.61e-04	-1.86e-03	-0.07	1.82e-05	-2.44e-04	0.0
256	36	9.30e-04	-1.79e-03	-0.07	1.82e-05	-2.44e-04	0.0
256	50	1.05e-03	-2.39e-04	-0.07	-4.78e-06	-2.40e-04	0.0
256	67	4.16e-04	-9.01e-04	-0.07	4.52e-06	-2.47e-04	0.0
256	68	4.49e-04	-8.68e-04	-0.07	4.53e-06	-2.47e-04	0.0
257	2	-0.02	8.47e-06	-0.19	1.78e-05	-4.58e-04	0.0
257	3	2.76e-03	0.03	-0.18	-2.20e-04	-2.79e-04	0.0
257	6	-0.01	5.67e-06	-0.14	1.31e-05	-3.34e-04	0.0
257	7	1.84e-03	0.02	-0.14	-1.46e-04	-2.15e-04	0.0
257	12	-2.17e-03	-8.58e-04	-0.13	1.80e-05	-2.38e-04	0.0
257	16	-1.98e-03	7.53e-04	-0.13	1.43e-06	-2.38e-04	0.0
257	30	-2.80e-04	2.70e-03	-0.13	-1.84e-05	-2.23e-04	0.0
257	44	-1.05e-03	-4.15e-04	-0.13	1.34e-05	-2.28e-04	0.0
257	48	-9.56e-04	3.65e-04	-0.13	5.36e-06	-2.27e-04	0.0
257	62	-1.35e-04	1.31e-03	-0.13	-4.21e-06	-2.20e-04	0.0
258	1	0.02	9.74e-06	-0.10	1.60e-05	-1.54e-04	0.0
258	3	2.79e-03	0.02	-0.11	-2.13e-04	-3.34e-04	0.0
258	5	0.01	6.52e-06	-0.08	1.18e-05	-1.36e-04	0.0
258	7	1.86e-03	0.01	-0.08	-1.41e-04	-2.56e-04	0.0
258	24	2.17e-03	4.94e-04	-0.07	1.00e-06	-2.30e-04	0.0
258	37	8.60e-04	1.86e-03	-0.07	-1.82e-05	-2.44e-04	0.0
258	38	9.30e-04	1.79e-03	-0.07	-1.82e-05	-2.44e-04	0.0
258	56	1.05e-03	2.39e-04	-0.07	4.77e-06	-2.40e-04	0.0
258	69	4.16e-04	9.01e-04	-0.07	-4.52e-06	-2.47e-04	0.0
258	70	4.49e-04	8.68e-04	-0.07	-4.53e-06	-2.47e-04	0.0
259	1	0.02	-6.59e-06	-0.11	-1.44e-05	-1.34e-04	0.0
259	3	-2.78e-03	0.02	-0.09	-2.39e-04	-3.05e-04	0.0
259	4	2.78e-03	-0.02	-0.13	2.17e-04	-3.22e-04	0.0
259	5	0.01	-4.45e-06	-0.09	-1.07e-05	-1.22e-04	0.0
259	8	1.86e-03	-0.01	-0.10	1.44e-04	-2.47e-04	0.0
259	18	2.17e-03	-6.12e-04	-0.09	0.0	-2.20e-04	0.0
259	35	8.60e-04	-2.10e-03	-0.09	1.86e-05	-2.36e-04	0.0
259	36	9.29e-04	-2.10e-03	-0.09	1.86e-05	-2.36e-04	0.0
259	50	1.05e-03	-2.96e-04	-0.09	-4.69e-06	-2.31e-04	0.0
259	67	4.16e-04	-1.02e-03	-0.09	4.68e-06	-2.38e-04	0.0
259	68	4.49e-04	-1.01e-03	-0.09	4.69e-06	-2.38e-04	0.0
260	1	0.02	-5.58e-06	-0.12	-1.35e-05	-1.30e-04	0.0
260	3	-2.78e-03	0.02	-0.10	-2.39e-04	-3.03e-04	0.0
260	4	2.78e-03	-0.02	-0.14	2.17e-04	-3.18e-04	0.0
260	5	0.01	-3.78e-06	-0.09	-1.01e-05	-1.19e-04	0.0
260	7	-1.85e-03	0.01	-0.08	-1.61e-04	-2.34e-04	0.0
260	8	1.85e-03	-0.01	-0.10	1.44e-04	-2.44e-04	0.0
260	18	2.17e-03	-6.55e-04	-0.09	0.0	-2.18e-04	0.0
260	26	-2.97e-04	-2.13e-03	-0.09	1.89e-05	-2.46e-04	0.0
260	28	-2.78e-04	-2.14e-03	-0.09	1.88e-05	-2.46e-04	0.0
260	50	1.05e-03	-3.17e-04	-0.09	-4.66e-06	-2.29e-04	0.0
260	58	-1.43e-04	-1.03e-03	-0.09	4.78e-06	-2.42e-04	0.0
260	60	-1.34e-04	-1.04e-03	-0.09	4.76e-06	-2.42e-04	0.0
261	1	0.02	-8.68e-06	-0.11	-1.60e-05	-1.51e-04	0.0
261	4	2.79e-03	-0.02	-0.11	2.15e-04	-3.33e-04	0.0
261	5	0.01	-5.82e-06	-0.08	-1.18e-05	-1.34e-04	0.0
261	8	1.86e-03	-0.01	-0.09	1.42e-04	-2.55e-04	0.0
261	18	2.17e-03	-5.29e-04	-0.07	0.0	-2.28e-04	0.0
261	35	8.60e-04	-1.93e-03	-0.07	1.84e-05	-2.43e-04	0.0
261	36	9.30e-04	-1.88e-03	-0.07	1.84e-05	-2.43e-04	0.0
261	50	1.05e-03	-2.56e-04	-0.07	-4.74e-06	-2.38e-04	0.0

261	67	4.16e-04	-9.35e-04	-0.07	4.62e-06	-2.46e-04	0.0
261	68	4.49e-04	-9.11e-04	-0.07	4.63e-06	-2.46e-04	0.0
262	2	-0.02	-1.13e-06	-0.13	-1.15e-05	-4.87e-04	0.0
262	3	-2.78e-03	0.02	-0.10	-2.40e-04	-3.01e-04	0.0
262	4	2.78e-03	-0.02	-0.15	2.18e-04	-3.08e-04	0.0
262	6	-0.01	0.0	-0.10	-8.77e-06	-3.56e-04	0.0
262	7	-1.85e-03	0.01	-0.08	-1.61e-04	-2.32e-04	0.0
262	8	1.85e-03	-0.01	-0.11	1.44e-04	-2.36e-04	0.0
262	14	-2.17e-03	6.86e-04	-0.10	-1.68e-05	-2.55e-04	0.0
262	26	-2.98e-04	-2.23e-03	-0.10	1.87e-05	-2.41e-04	0.0
262	34	9.48e-04	-2.24e-03	-0.10	1.88e-05	-2.28e-04	0.0
262	46	-1.05e-03	3.32e-04	-0.10	-1.25e-05	-2.44e-04	0.0
262	58	-1.43e-04	-1.08e-03	-0.10	4.68e-06	-2.37e-04	0.0
262	66	4.58e-04	-1.09e-03	-0.10	4.73e-06	-2.31e-04	0.0
263	2	-0.02	-4.76e-06	-0.14	-1.46e-05	-4.80e-04	0.0
263	3	-2.77e-03	0.02	-0.11	-2.42e-04	-2.98e-04	0.0
263	4	2.77e-03	-0.02	-0.16	2.19e-04	-2.97e-04	0.0
263	6	-0.01	-3.23e-06	-0.11	-1.09e-05	-3.50e-04	0.0
263	7	-1.85e-03	0.01	-0.09	-1.62e-04	-2.30e-04	0.0
263	8	1.85e-03	-0.01	-0.12	1.45e-04	-2.29e-04	0.0
263	14	-2.17e-03	7.23e-04	-0.10	-1.71e-05	-2.50e-04	0.0
263	26	-2.98e-04	-2.33e-03	-0.11	1.88e-05	-2.35e-04	0.0
263	28	-2.79e-04	-2.35e-03	-0.11	1.87e-05	-2.35e-04	0.0
263	46	-1.05e-03	3.49e-04	-0.10	-1.27e-05	-2.39e-04	0.0
263	58	-1.44e-04	-1.13e-03	-0.10	4.69e-06	-2.32e-04	0.0
263	60	-1.34e-04	-1.14e-03	-0.10	4.66e-06	-2.32e-04	0.0
264	2	-0.02	-5.76e-06	-0.15	-1.56e-05	-4.76e-04	0.0
264	3	-2.77e-03	0.02	-0.12	-2.42e-04	-2.97e-04	0.0
264	4	2.77e-03	-0.02	-0.16	2.20e-04	-2.93e-04	0.0
264	6	-0.01	-3.90e-06	-0.11	-1.15e-05	-3.48e-04	0.0
264	8	1.85e-03	-0.02	-0.12	1.45e-04	-2.26e-04	0.0
264	14	-2.17e-03	7.39e-04	-0.11	-1.73e-05	-2.48e-04	0.0
264	26	-2.98e-04	-2.37e-03	-0.11	1.88e-05	-2.33e-04	0.0
264	28	-2.79e-04	-2.39e-03	-0.11	1.87e-05	-2.33e-04	0.0
264	46	-1.05e-03	3.57e-04	-0.11	-1.28e-05	-2.37e-04	0.0
264	58	-1.44e-04	-1.15e-03	-0.11	4.70e-06	-2.30e-04	0.0
264	60	-1.35e-04	-1.16e-03	-0.11	4.67e-06	-2.30e-04	0.0
265	2	-0.02	-7.11e-06	-0.16	-1.70e-05	-4.67e-04	0.0
265	4	2.76e-03	-0.02	-0.17	2.21e-04	-2.86e-04	0.0
265	6	-0.01	-4.78e-06	-0.12	-1.25e-05	-3.41e-04	0.0
265	8	1.84e-03	-0.02	-0.13	1.46e-04	-2.20e-04	0.0
265	14	-2.17e-03	7.80e-04	-0.11	-1.76e-05	-2.43e-04	0.0
265	26	-2.99e-04	-2.48e-03	-0.12	1.88e-05	-2.28e-04	0.0
265	28	-2.79e-04	-2.50e-03	-0.12	1.88e-05	-2.28e-04	0.0
265	46	-1.05e-03	3.77e-04	-0.11	-1.29e-05	-2.33e-04	0.0
265	58	-1.44e-04	-1.20e-03	-0.11	4.67e-06	-2.25e-04	0.0
265	60	-1.35e-04	-1.21e-03	-0.11	4.65e-06	-2.25e-04	0.0
266	1	0.02	-8.00e-06	-0.11	-1.57e-05	-1.44e-04	0.0
266	4	2.79e-03	-0.02	-0.12	2.16e-04	-3.29e-04	0.0
266	5	0.01	-5.38e-06	-0.08	-1.16e-05	-1.29e-04	0.0
266	8	1.86e-03	-0.01	-0.09	1.43e-04	-2.52e-04	0.0
266	18	2.17e-03	-5.72e-04	-0.08	0.0	-2.25e-04	0.0
266	35	8.60e-04	-2.02e-03	-0.08	1.86e-05	-2.40e-04	0.0
266	36	9.30e-04	-1.99e-03	-0.08	1.86e-05	-2.40e-04	0.0
266	50	1.05e-03	-2.77e-04	-0.08	-4.72e-06	-2.35e-04	0.0
266	67	4.16e-04	-9.75e-04	-0.08	4.68e-06	-2.43e-04	0.0

266	68	4.49e-04	-9.63e-04	-0.08	4.69e-06	-2.43e-04	0.0
267	2	-0.02	-7.64e-06	-0.18	-1.75e-05	-4.61e-04	0.0
267	4	2.76e-03	-0.02	-0.18	2.21e-04	-2.81e-04	0.0
267	6	-0.01	-5.12e-06	-0.13	-1.28e-05	-3.36e-04	0.0
267	8	1.84e-03	-0.02	-0.13	1.46e-04	-2.16e-04	0.0
267	10	-1.98e-03	-7.35e-04	-0.12	-1.18e-06	-2.40e-04	0.0
267	14	-2.17e-03	8.23e-04	-0.12	-1.78e-05	-2.40e-04	0.0
267	28	-2.80e-04	-2.61e-03	-0.12	1.86e-05	-2.25e-04	0.0
267	42	-9.56e-04	-3.56e-04	-0.12	-5.11e-06	-2.29e-04	0.0
267	46	-1.05e-03	3.98e-04	-0.12	-1.31e-05	-2.29e-04	0.0
267	60	-1.35e-04	-1.26e-03	-0.12	4.48e-06	-2.22e-04	0.0
268	1	0.02	8.69e-06	-0.11	1.60e-05	-1.51e-04	0.0
268	3	2.79e-03	0.02	-0.11	-2.15e-04	-3.33e-04	0.0
268	5	0.01	5.82e-06	-0.08	1.18e-05	-1.34e-04	0.0
268	7	1.86e-03	0.01	-0.09	-1.42e-04	-2.55e-04	0.0
268	24	2.17e-03	5.29e-04	-0.07	0.0	-2.28e-04	0.0
268	37	8.60e-04	1.93e-03	-0.07	-1.84e-05	-2.43e-04	0.0
268	38	9.30e-04	1.88e-03	-0.07	-1.84e-05	-2.43e-04	0.0
268	56	1.05e-03	2.56e-04	-0.07	4.74e-06	-2.38e-04	0.0
268	69	4.16e-04	9.35e-04	-0.07	-4.62e-06	-2.46e-04	0.0
268	70	4.49e-04	9.11e-04	-0.07	-4.63e-06	-2.46e-04	0.0
269	2	-0.02	5.77e-06	-0.15	1.56e-05	-4.76e-04	0.0
269	3	2.77e-03	0.02	-0.16	-2.20e-04	-2.93e-04	0.0
269	4	-2.77e-03	-0.02	-0.12	2.42e-04	-2.97e-04	0.0
269	6	-0.01	3.90e-06	-0.11	1.15e-05	-3.48e-04	0.0
269	7	1.85e-03	0.02	-0.12	-1.45e-04	-2.26e-04	0.0
269	12	-2.17e-03	-7.39e-04	-0.11	1.73e-05	-2.48e-04	0.0
269	30	-2.79e-04	2.39e-03	-0.11	-1.87e-05	-2.33e-04	0.0
269	32	-2.98e-04	2.37e-03	-0.11	-1.88e-05	-2.33e-04	0.0
269	44	-1.05e-03	-3.57e-04	-0.11	1.28e-05	-2.37e-04	0.0
269	62	-1.35e-04	1.16e-03	-0.11	-4.67e-06	-2.30e-04	0.0
269	64	-1.44e-04	1.15e-03	-0.11	-4.70e-06	-2.30e-04	0.0
270	2	-0.02	7.12e-06	-0.16	1.70e-05	-4.67e-04	0.0
270	3	2.76e-03	0.02	-0.17	-2.21e-04	-2.86e-04	0.0
270	6	-0.01	4.79e-06	-0.12	1.25e-05	-3.41e-04	0.0
270	7	1.84e-03	0.02	-0.13	-1.46e-04	-2.20e-04	0.0
270	12	-2.17e-03	-7.80e-04	-0.11	1.76e-05	-2.43e-04	0.0
270	30	-2.79e-04	2.50e-03	-0.12	-1.88e-05	-2.28e-04	0.0
270	32	-2.99e-04	2.48e-03	-0.12	-1.88e-05	-2.28e-04	0.0
270	44	-1.05e-03	-3.77e-04	-0.11	1.29e-05	-2.33e-04	0.0
270	62	-1.35e-04	1.21e-03	-0.11	-4.65e-06	-2.25e-04	0.0
270	64	-1.44e-04	1.20e-03	-0.11	-4.67e-06	-2.25e-04	0.0
271	1	0.02	6.59e-06	-0.11	1.44e-05	-1.34e-04	0.0
271	3	2.78e-03	0.02	-0.13	-2.17e-04	-3.22e-04	0.0
271	4	-2.78e-03	-0.02	-0.09	2.39e-04	-3.05e-04	0.0
271	5	0.01	4.45e-06	-0.09	1.07e-05	-1.22e-04	0.0
271	7	1.86e-03	0.01	-0.10	-1.44e-04	-2.47e-04	0.0
271	24	2.17e-03	6.12e-04	-0.09	0.0	-2.20e-04	0.0
271	37	8.60e-04	2.10e-03	-0.09	-1.86e-05	-2.36e-04	0.0
271	38	9.29e-04	2.10e-03	-0.09	-1.86e-05	-2.36e-04	0.0
271	56	1.05e-03	2.96e-04	-0.09	4.69e-06	-2.31e-04	0.0
271	69	4.16e-04	1.02e-03	-0.09	-4.68e-06	-2.38e-04	0.0
271	70	4.49e-04	1.01e-03	-0.09	-4.69e-06	-2.38e-04	0.0
272	1	0.02	5.58e-06	-0.12	1.35e-05	-1.30e-04	0.0
272	3	2.78e-03	0.02	-0.14	-2.17e-04	-3.18e-04	0.0
272	4	-2.78e-03	-0.02	-0.10	2.39e-04	-3.03e-04	0.0

272	5	0.01	3.78e-06	-0.09	1.01e-05	-1.19e-04	0.0
272	7	1.85e-03	0.01	-0.10	-1.44e-04	-2.44e-04	0.0
272	8	-1.85e-03	-0.01	-0.08	1.61e-04	-2.34e-04	0.0
272	24	2.17e-03	6.55e-04	-0.09	0.0	-2.18e-04	0.0
272	30	-2.78e-04	2.14e-03	-0.09	-1.88e-05	-2.46e-04	0.0
272	32	-2.97e-04	2.13e-03	-0.09	-1.89e-05	-2.46e-04	0.0
272	56	1.05e-03	3.17e-04	-0.09	4.66e-06	-2.29e-04	0.0
272	62	-1.34e-04	1.04e-03	-0.09	-4.76e-06	-2.42e-04	0.0
272	64	-1.43e-04	1.03e-03	-0.09	-4.78e-06	-2.42e-04	0.0
273	2	-0.02	1.14e-06	-0.13	1.15e-05	-4.87e-04	0.0
273	3	2.78e-03	0.02	-0.15	-2.18e-04	-3.08e-04	0.0
273	4	-2.78e-03	-0.02	-0.10	2.40e-04	-3.01e-04	0.0
273	6	-0.01	0.0	-0.10	8.77e-06	-3.56e-04	0.0
273	7	1.85e-03	0.01	-0.11	-1.44e-04	-2.36e-04	0.0
273	8	-1.85e-03	-0.01	-0.08	1.61e-04	-2.32e-04	0.0
273	12	-2.17e-03	-6.86e-04	-0.10	1.68e-05	-2.55e-04	0.0
273	32	-2.98e-04	2.23e-03	-0.10	-1.87e-05	-2.41e-04	0.0
273	40	9.48e-04	2.24e-03	-0.10	-1.88e-05	-2.28e-04	0.0
273	44	-1.05e-03	-3.32e-04	-0.10	1.25e-05	-2.44e-04	0.0
273	64	-1.43e-04	1.08e-03	-0.10	-4.68e-06	-2.37e-04	0.0
273	72	4.58e-04	1.09e-03	-0.10	-4.73e-06	-2.31e-04	0.0
274	2	-0.02	4.76e-06	-0.14	1.46e-05	-4.80e-04	0.0
274	3	2.77e-03	0.02	-0.16	-2.19e-04	-2.97e-04	0.0
274	4	-2.77e-03	-0.02	-0.11	2.42e-04	-2.98e-04	0.0
274	6	-0.01	3.24e-06	-0.11	1.09e-05	-3.50e-04	0.0
274	7	1.85e-03	0.01	-0.12	-1.45e-04	-2.29e-04	0.0
274	8	-1.85e-03	-0.01	-0.09	1.62e-04	-2.30e-04	0.0
274	12	-2.17e-03	-7.23e-04	-0.10	1.71e-05	-2.50e-04	0.0
274	30	-2.79e-04	2.35e-03	-0.11	-1.87e-05	-2.35e-04	0.0
274	32	-2.98e-04	2.33e-03	-0.11	-1.88e-05	-2.35e-04	0.0
274	44	-1.05e-03	-3.49e-04	-0.10	1.27e-05	-2.39e-04	0.0
274	62	-1.34e-04	1.14e-03	-0.10	-4.67e-06	-2.32e-04	0.0
274	64	-1.44e-04	1.13e-03	-0.10	-4.69e-06	-2.32e-04	0.0
275	1	0.02	8.00e-06	-0.11	1.57e-05	-1.44e-04	0.0
275	3	2.79e-03	0.02	-0.12	-2.16e-04	-3.29e-04	0.0
275	5	0.01	5.38e-06	-0.08	1.16e-05	-1.29e-04	0.0
275	7	1.86e-03	0.01	-0.09	-1.43e-04	-2.52e-04	0.0
275	24	2.17e-03	5.72e-04	-0.08	0.0	-2.25e-04	0.0
275	37	8.60e-04	2.02e-03	-0.08	-1.86e-05	-2.40e-04	0.0
275	38	9.30e-04	1.99e-03	-0.08	-1.86e-05	-2.40e-04	0.0
275	56	1.05e-03	2.77e-04	-0.08	4.72e-06	-2.35e-04	0.0
275	69	4.16e-04	9.75e-04	-0.08	-4.68e-06	-2.43e-04	0.0
275	70	4.49e-04	9.63e-04	-0.08	-4.69e-06	-2.43e-04	0.0
276	2	-0.02	7.65e-06	-0.18	1.75e-05	-4.61e-04	0.0
276	3	2.76e-03	0.02	-0.18	-2.21e-04	-2.81e-04	0.0
276	6	-0.01	5.13e-06	-0.13	1.28e-05	-3.36e-04	0.0
276	7	1.84e-03	0.02	-0.13	-1.46e-04	-2.16e-04	0.0
276	12	-2.17e-03	-8.23e-04	-0.12	1.78e-05	-2.40e-04	0.0
276	16	-1.98e-03	7.35e-04	-0.12	1.18e-06	-2.40e-04	0.0
276	30	-2.80e-04	2.61e-03	-0.12	-1.86e-05	-2.25e-04	0.0
276	44	-1.05e-03	-3.98e-04	-0.12	1.31e-05	-2.29e-04	0.0
276	48	-9.56e-04	3.56e-04	-0.12	5.10e-06	-2.29e-04	0.0
276	62	-1.35e-04	1.26e-03	-0.12	-4.48e-06	-2.22e-04	0.0
277	1	0.02	-1.38e-05	-0.10	-1.76e-05	-1.56e-04	0.0
277	4	3.88e-03	-0.02	-0.10	2.10e-04	-3.36e-04	0.0
277	5	0.01	-9.22e-06	-0.07	-1.30e-05	-1.37e-04	0.0

277	8	2.58e-03	-0.01	-0.08	1.39e-04	-2.57e-04	0.0
277	18	2.22e-03	-4.58e-04	-0.06	-2.10e-06	-2.30e-04	0.0
277	35	9.57e-04	-1.79e-03	-0.06	1.70e-05	-2.45e-04	0.0
277	36	1.05e-03	-1.70e-03	-0.06	1.70e-05	-2.45e-04	0.0
277	50	1.07e-03	-2.22e-04	-0.06	-5.83e-06	-2.40e-04	0.0
277	67	4.63e-04	-8.67e-04	-0.06	3.40e-06	-2.48e-04	0.0
277	68	5.09e-04	-8.25e-04	-0.06	3.41e-06	-2.48e-04	0.0
278	1	0.02	1.38e-05	-0.10	1.76e-05	-1.56e-04	0.0
278	3	3.88e-03	0.02	-0.10	-2.10e-04	-3.36e-04	0.0
278	5	0.01	9.22e-06	-0.07	1.30e-05	-1.37e-04	0.0
278	7	2.58e-03	0.01	-0.08	-1.39e-04	-2.57e-04	0.0
278	24	2.22e-03	4.58e-04	-0.06	2.10e-06	-2.30e-04	0.0
278	37	9.57e-04	1.79e-03	-0.06	-1.70e-05	-2.45e-04	0.0
278	38	1.05e-03	1.70e-03	-0.06	-1.70e-05	-2.45e-04	0.0
278	56	1.07e-03	2.22e-04	-0.06	5.83e-06	-2.40e-04	0.0
278	69	4.63e-04	8.67e-04	-0.06	-3.40e-06	-2.48e-04	0.0
278	70	5.09e-04	8.25e-04	-0.06	-3.41e-06	-2.48e-04	0.0
279	1	0.02	7.89e-06	-0.10	1.08e-05	-1.55e-04	0.0
279	2	-0.02	-7.83e-06	-0.06	3.37e-06	-4.93e-04	0.0
279	3	1.55e-03	0.02	-0.09	-2.16e-04	-3.30e-04	0.0
279	5	0.01	5.27e-06	-0.07	7.95e-06	-1.37e-04	0.0
279	6	-0.01	-5.20e-06	-0.05	2.98e-06	-3.62e-04	0.0
279	7	1.03e-03	0.01	-0.07	-1.43e-04	-2.54e-04	0.0
279	22	2.08e-03	5.58e-04	-0.06	-2.11e-06	-2.30e-04	0.0
279	24	2.12e-03	4.58e-04	-0.06	-1.95e-06	-2.30e-04	0.0
279	37	7.51e-04	1.79e-03	-0.06	-2.09e-05	-2.44e-04	0.0
279	54	1.00e-03	2.70e-04	-0.06	1.82e-06	-2.40e-04	0.0
279	56	1.02e-03	2.22e-04	-0.06	1.89e-06	-2.40e-04	0.0
279	69	3.63e-04	8.67e-04	-0.06	-7.30e-06	-2.47e-04	0.0
280	1	0.02	-7.88e-06	-0.10	-1.08e-05	-1.55e-04	0.0
280	2	-0.02	7.82e-06	-0.06	-3.37e-06	-4.93e-04	0.0
280	4	1.55e-03	-0.02	-0.09	2.16e-04	-3.30e-04	0.0
280	5	0.01	-5.27e-06	-0.07	-7.95e-06	-1.37e-04	0.0
280	6	-0.01	5.20e-06	-0.05	-2.98e-06	-3.62e-04	0.0
280	8	1.03e-03	-0.01	-0.07	1.43e-04	-2.54e-04	0.0
280	18	2.12e-03	-4.58e-04	-0.06	1.95e-06	-2.30e-04	0.0
280	20	2.08e-03	-5.58e-04	-0.06	2.11e-06	-2.30e-04	0.0
280	35	7.51e-04	-1.79e-03	-0.06	2.09e-05	-2.44e-04	0.0
280	50	1.02e-03	-2.22e-04	-0.06	-1.89e-06	-2.40e-04	0.0
280	52	1.00e-03	-2.70e-04	-0.06	-1.82e-06	-2.40e-04	0.0
280	67	3.63e-04	-8.67e-04	-0.06	7.30e-06	-2.47e-04	0.0
281	1	0.02	0.0	-0.10	0.0	-1.55e-04	0.0
281	2	-0.02	0.0	-0.06	0.0	-4.93e-04	0.0
281	4	0.0	-0.02	-0.08	2.24e-04	-3.24e-04	0.0
281	5	0.01	0.0	-0.07	0.0	-1.37e-04	0.0
281	6	-0.01	0.0	-0.05	0.0	-3.62e-04	0.0
281	8	0.0	-0.01	-0.06	1.49e-04	-2.49e-04	0.0
281	19	2.04e-03	-5.83e-04	-0.06	7.79e-06	-2.30e-04	0.0
281	25	-6.13e-04	-1.79e-03	-0.06	2.66e-05	-2.55e-04	0.0
281	51	9.87e-04	-2.82e-04	-0.06	3.77e-06	-2.40e-04	0.0
281	57	-2.96e-04	-8.67e-04	-0.06	1.29e-05	-2.52e-04	0.0
282	1	0.02	-6.50e-06	-0.10	-8.98e-06	-1.55e-04	0.0
282	2	-0.02	6.44e-06	-0.06	-2.71e-06	-4.93e-04	0.0
282	4	1.24e-03	-0.02	-0.09	2.18e-04	-3.29e-04	0.0
282	5	0.01	-4.34e-06	-0.07	-6.59e-06	-1.37e-04	0.0
282	6	-0.01	4.28e-06	-0.05	-2.41e-06	-3.62e-04	0.0

282	8	8.27e-04	-0.01	-0.07	1.44e-04	-2.53e-04	0.0
282	18	2.10e-03	-4.58e-04	-0.06	2.99e-06	-2.30e-04	0.0
282	20	2.07e-03	-5.58e-04	-0.06	3.14e-06	-2.30e-04	0.0
282	35	7.23e-04	-1.79e-03	-0.06	2.20e-05	-2.44e-04	0.0
282	50	1.02e-03	-2.21e-04	-0.06	0.0	-2.40e-04	0.0
282	52	1.00e-03	-2.70e-04	-0.06	0.0	-2.40e-04	0.0
282	67	3.50e-04	-8.67e-04	-0.06	8.28e-06	-2.47e-04	0.0
283	1	0.02	-4.70e-06	-0.10	-6.57e-06	-1.55e-04	0.0
283	2	-0.02	4.67e-06	-0.06	-1.92e-06	-4.93e-04	0.0
283	4	8.77e-04	-0.02	-0.08	2.19e-04	-3.28e-04	0.0
283	5	0.01	-3.14e-06	-0.07	-4.82e-06	-1.37e-04	0.0
283	6	-0.01	3.10e-06	-0.05	-1.72e-06	-3.62e-04	0.0
283	8	5.85e-04	-0.01	-0.06	1.46e-04	-2.52e-04	0.0
283	18	2.08e-03	-4.57e-04	-0.06	4.32e-06	-2.30e-04	0.0
283	20	2.06e-03	-5.57e-04	-0.06	4.46e-06	-2.30e-04	0.0
283	35	6.91e-04	-1.79e-03	-0.06	2.32e-05	-2.44e-04	0.0
283	50	1.01e-03	-2.21e-04	-0.06	0.0	-2.40e-04	0.0
283	52	9.97e-04	-2.70e-04	-0.06	0.0	-2.40e-04	0.0
283	67	3.34e-04	-8.67e-04	-0.06	9.54e-06	-2.47e-04	0.0
284	1	0.02	4.71e-06	-0.10	6.57e-06	-1.55e-04	0.0
284	2	-0.02	-4.68e-06	-0.06	1.92e-06	-4.93e-04	0.0
284	3	8.77e-04	0.02	-0.08	-2.19e-04	-3.28e-04	0.0
284	5	0.01	3.15e-06	-0.07	4.82e-06	-1.37e-04	0.0
284	6	-0.01	-3.11e-06	-0.05	1.72e-06	-3.62e-04	0.0
284	7	5.85e-04	0.01	-0.06	-1.46e-04	-2.52e-04	0.0
284	22	2.06e-03	5.57e-04	-0.06	-4.46e-06	-2.30e-04	0.0
284	24	2.08e-03	4.57e-04	-0.06	-4.32e-06	-2.30e-04	0.0
284	37	6.91e-04	1.79e-03	-0.06	-2.32e-05	-2.44e-04	0.0
284	54	9.97e-04	2.70e-04	-0.06	0.0	-2.40e-04	0.0
284	56	1.01e-03	2.21e-04	-0.06	0.0	-2.40e-04	0.0
284	69	3.34e-04	8.67e-04	-0.06	-9.54e-06	-2.47e-04	0.0
285	1	0.02	6.51e-06	-0.10	8.98e-06	-1.55e-04	0.0
285	2	-0.02	-6.45e-06	-0.06	2.71e-06	-4.93e-04	0.0
285	3	1.24e-03	0.02	-0.09	-2.18e-04	-3.29e-04	0.0
285	5	0.01	4.35e-06	-0.07	6.59e-06	-1.37e-04	0.0
285	6	-0.01	-4.29e-06	-0.05	2.41e-06	-3.62e-04	0.0
285	7	8.27e-04	0.01	-0.07	-1.44e-04	-2.53e-04	0.0
285	22	2.07e-03	5.58e-04	-0.06	-3.14e-06	-2.30e-04	0.0
285	24	2.10e-03	4.58e-04	-0.06	-2.99e-06	-2.30e-04	0.0
285	37	7.23e-04	1.79e-03	-0.06	-2.20e-05	-2.44e-04	0.0
285	54	1.00e-03	2.70e-04	-0.06	0.0	-2.40e-04	0.0
285	56	1.02e-03	2.21e-04	-0.06	0.0	-2.40e-04	0.0
285	69	3.50e-04	8.67e-04	-0.06	-8.28e-06	-2.47e-04	0.0
286	1	0.02	-1.20e-05	-0.10	-1.61e-05	-1.55e-04	0.0
286	4	2.79e-03	-0.02	-0.10	2.11e-04	-3.34e-04	0.0
286	5	0.01	-8.03e-06	-0.07	-1.18e-05	-1.37e-04	0.0
286	8	1.86e-03	-0.01	-0.07	1.40e-04	-2.56e-04	0.0
286	18	2.17e-03	-4.58e-04	-0.06	-1.10e-06	-2.30e-04	0.0
286	35	8.60e-04	-1.79e-03	-0.06	1.80e-05	-2.45e-04	0.0
286	36	9.30e-04	-1.71e-03	-0.06	1.80e-05	-2.45e-04	0.0
286	50	1.05e-03	-2.22e-04	-0.06	-4.85e-06	-2.40e-04	0.0
286	67	4.16e-04	-8.67e-04	-0.06	4.37e-06	-2.47e-04	0.0
286	68	4.49e-04	-8.25e-04	-0.06	4.38e-06	-2.47e-04	0.0
287	1	0.02	1.20e-05	-0.10	1.61e-05	-1.55e-04	0.0
287	3	2.79e-03	0.02	-0.10	-2.11e-04	-3.34e-04	0.0
287	5	0.01	8.04e-06	-0.07	1.18e-05	-1.37e-04	0.0

287	7	1.86e-03	0.01	-0.07	-1.40e-04	-2.56e-04	0.0
287	24	2.17e-03	4.58e-04	-0.06	1.10e-06	-2.30e-04	0.0
287	37	8.60e-04	1.79e-03	-0.06	-1.80e-05	-2.45e-04	0.0
287	38	9.30e-04	1.71e-03	-0.06	-1.80e-05	-2.45e-04	0.0
287	56	1.05e-03	2.22e-04	-0.06	4.85e-06	-2.40e-04	0.0
287	69	4.16e-04	8.67e-04	-0.06	-4.37e-06	-2.47e-04	0.0
287	70	4.49e-04	8.25e-04	-0.06	-4.38e-06	-2.47e-04	0.0
288	2	-0.02	-1.17e-05	-0.20	-2.01e-05	-4.55e-04	0.0
288	4	3.83e-03	-0.03	-0.20	2.17e-04	-2.77e-04	0.0
288	6	-0.01	-7.82e-06	-0.15	-1.48e-05	-3.32e-04	0.0
288	8	2.56e-03	-0.02	-0.15	1.44e-04	-2.13e-04	0.0
288	10	-1.95e-03	-7.72e-04	-0.13	-2.96e-06	-2.37e-04	0.0
288	14	-2.22e-03	8.93e-04	-0.13	-1.95e-05	-2.37e-04	0.0
288	28	-1.50e-04	-2.79e-03	-0.13	1.68e-05	-2.22e-04	0.0
288	42	-9.43e-04	-3.73e-04	-0.13	-6.85e-06	-2.26e-04	0.0
288	46	-1.07e-03	4.32e-04	-0.13	-1.48e-05	-2.26e-04	0.0
288	60	-7.22e-05	-1.35e-03	-0.13	2.69e-06	-2.19e-04	0.0
289	2	-0.02	1.17e-05	-0.20	2.01e-05	-4.55e-04	0.0
289	3	3.83e-03	0.03	-0.20	-2.17e-04	-2.77e-04	0.0
289	6	-0.01	7.83e-06	-0.15	1.48e-05	-3.32e-04	0.0
289	7	2.56e-03	0.02	-0.15	-1.44e-04	-2.13e-04	0.0
289	12	-2.22e-03	-8.93e-04	-0.13	1.95e-05	-2.37e-04	0.0
289	16	-1.95e-03	7.72e-04	-0.13	2.96e-06	-2.37e-04	0.0
289	30	-1.50e-04	2.79e-03	-0.13	-1.68e-05	-2.22e-04	0.0
289	44	-1.07e-03	-4.32e-04	-0.13	1.48e-05	-2.26e-04	0.0
289	48	-9.43e-04	3.73e-04	-0.13	6.85e-06	-2.26e-04	0.0
289	62	-7.22e-05	1.35e-03	-0.13	-2.70e-06	-2.19e-04	0.0
290	1	0.02	6.84e-06	-0.14	-3.71e-06	-1.09e-04	0.0
290	2	-0.02	-6.91e-06	-0.20	-1.21e-05	-4.57e-04	0.0
290	4	1.53e-03	-0.03	-0.18	2.25e-04	-2.80e-04	0.0
290	6	-0.01	-4.62e-06	-0.15	-8.90e-06	-3.34e-04	0.0
290	8	1.02e-03	-0.02	-0.14	1.49e-04	-2.16e-04	0.0
290	10	-2.01e-03	-7.71e-04	-0.13	1.75e-06	-2.38e-04	0.0
290	14	-2.12e-03	8.94e-04	-0.13	-1.49e-05	-2.38e-04	0.0
290	28	-4.28e-04	-2.79e-03	-0.13	2.14e-05	-2.23e-04	0.0
290	42	-9.70e-04	-3.73e-04	-0.13	-2.31e-06	-2.27e-04	0.0
290	46	-1.02e-03	4.32e-04	-0.13	-1.04e-05	-2.28e-04	0.0
290	60	-2.07e-04	-1.35e-03	-0.13	7.22e-06	-2.20e-04	0.0
291	1	0.02	-5.67e-06	-0.14	2.99e-06	-1.09e-04	0.0
291	2	-0.02	5.72e-06	-0.20	1.00e-05	-4.57e-04	0.0
291	3	1.23e-03	0.03	-0.18	-2.27e-04	-2.81e-04	0.0
291	6	-0.01	3.82e-06	-0.15	7.35e-06	-3.34e-04	0.0
291	7	8.18e-04	0.02	-0.14	-1.51e-04	-2.16e-04	0.0
291	12	-2.10e-03	-8.94e-04	-0.13	1.37e-05	-2.38e-04	0.0
291	16	-2.02e-03	7.71e-04	-0.13	-2.93e-06	-2.38e-04	0.0
291	30	-4.65e-04	2.79e-03	-0.13	-2.26e-05	-2.24e-04	0.0
291	44	-1.02e-03	-4.33e-04	-0.13	9.25e-06	-2.28e-04	0.0
291	48	-9.74e-04	3.73e-04	-0.13	1.18e-06	-2.28e-04	0.0
291	62	-2.25e-04	1.35e-03	-0.13	-8.33e-06	-2.21e-04	0.0
292	1	0.02	-6.86e-06	-0.14	3.71e-06	-1.09e-04	0.0
292	2	-0.02	6.92e-06	-0.20	1.21e-05	-4.57e-04	0.0
292	3	1.53e-03	0.03	-0.18	-2.25e-04	-2.80e-04	0.0
292	6	-0.01	4.63e-06	-0.15	8.89e-06	-3.34e-04	0.0
292	7	1.02e-03	0.02	-0.14	-1.49e-04	-2.16e-04	0.0
292	12	-2.12e-03	-8.94e-04	-0.13	1.49e-05	-2.38e-04	0.0
292	16	-2.01e-03	7.71e-04	-0.13	-1.75e-06	-2.38e-04	0.0

292	30	-4.28e-04	2.79e-03	-0.13	-2.14e-05	-2.23e-04	0.0
292	44	-1.02e-03	-4.32e-04	-0.13	1.04e-05	-2.28e-04	0.0
292	48	-9.70e-04	3.73e-04	-0.13	2.31e-06	-2.27e-04	0.0
292	62	-2.07e-04	1.35e-03	-0.13	-7.22e-06	-2.20e-04	0.0
293	1	0.02	0.0	-0.14	0.0	-1.10e-04	0.0
293	2	-0.02	0.0	-0.20	0.0	-4.57e-04	0.0
293	4	-1.36e-06	-0.03	-0.17	2.34e-04	-2.83e-04	0.0
293	5	0.01	0.0	-0.11	0.0	-1.02e-04	0.0
293	6	-0.01	0.0	-0.15	0.0	-3.34e-04	0.0
293	8	0.0	-0.02	-0.13	1.56e-04	-2.18e-04	0.0
293	15	-2.05e-03	7.28e-04	-0.13	-8.56e-06	-2.38e-04	0.0
293	28	-6.14e-04	-2.79e-03	-0.13	2.78e-05	-2.24e-04	0.0
293	47	-9.88e-04	3.52e-04	-0.13	-4.14e-06	-2.28e-04	0.0
293	60	-2.97e-04	-1.35e-03	-0.13	1.35e-05	-2.21e-04	0.0
294	1	0.02	5.65e-06	-0.14	-2.99e-06	-1.09e-04	0.0
294	2	-0.02	-5.70e-06	-0.20	-1.00e-05	-4.57e-04	0.0
294	4	1.23e-03	-0.03	-0.18	2.27e-04	-2.81e-04	0.0
294	6	-0.01	-3.81e-06	-0.15	-7.36e-06	-3.34e-04	0.0
294	8	8.18e-04	-0.02	-0.14	1.51e-04	-2.16e-04	0.0
294	10	-2.02e-03	-7.71e-04	-0.13	2.93e-06	-2.38e-04	0.0
294	14	-2.10e-03	8.94e-04	-0.13	-1.38e-05	-2.38e-04	0.0
294	28	-4.65e-04	-2.79e-03	-0.13	2.26e-05	-2.24e-04	0.0
294	42	-9.74e-04	-3.73e-04	-0.13	-1.18e-06	-2.28e-04	0.0
294	46	-1.02e-03	4.33e-04	-0.13	-9.25e-06	-2.28e-04	0.0
294	60	-2.25e-04	-1.35e-03	-0.13	8.33e-06	-2.21e-04	0.0
295	1	0.02	4.11e-06	-0.14	-2.13e-06	-1.09e-04	0.0
295	2	-0.02	-4.14e-06	-0.20	-7.31e-06	-4.57e-04	0.0
295	4	8.67e-04	-0.03	-0.18	2.29e-04	-2.82e-04	0.0
295	5	0.01	2.73e-06	-0.11	-1.90e-06	-1.02e-04	0.0
295	6	-0.01	-2.77e-06	-0.15	-5.36e-06	-3.34e-04	0.0
295	8	5.78e-04	-0.02	-0.13	1.52e-04	-2.17e-04	0.0
295	10	-2.02e-03	-7.71e-04	-0.13	4.42e-06	-2.38e-04	0.0
295	14	-2.09e-03	8.94e-04	-0.13	-1.23e-05	-2.38e-04	0.0
295	28	-5.09e-04	-2.79e-03	-0.13	2.40e-05	-2.24e-04	0.0
295	42	-9.78e-04	-3.73e-04	-0.13	0.0	-2.28e-04	0.0
295	46	-1.01e-03	4.33e-04	-0.13	-7.83e-06	-2.28e-04	0.0
295	60	-2.46e-04	-1.35e-03	-0.13	9.75e-06	-2.21e-04	0.0
296	1	0.02	-4.13e-06	-0.14	2.12e-06	-1.09e-04	0.0
296	2	-0.02	4.16e-06	-0.20	7.31e-06	-4.57e-04	0.0
296	3	8.67e-04	0.03	-0.18	-2.29e-04	-2.82e-04	0.0
296	5	0.01	-2.74e-06	-0.11	1.90e-06	-1.02e-04	0.0
296	6	-0.01	2.78e-06	-0.15	5.36e-06	-3.34e-04	0.0
296	7	5.78e-04	0.02	-0.13	-1.52e-04	-2.17e-04	0.0
296	12	-2.09e-03	-8.94e-04	-0.13	1.23e-05	-2.38e-04	0.0
296	16	-2.02e-03	7.71e-04	-0.13	-4.42e-06	-2.38e-04	0.0
296	30	-5.09e-04	2.79e-03	-0.13	-2.40e-05	-2.24e-04	0.0
296	44	-1.01e-03	-4.33e-04	-0.13	7.83e-06	-2.28e-04	0.0
296	48	-9.78e-04	3.73e-04	-0.13	0.0	-2.28e-04	0.0
296	62	-2.46e-04	1.35e-03	-0.13	-9.75e-06	-2.21e-04	0.0
297	2	-0.02	-1.04e-05	-0.20	-1.82e-05	-4.56e-04	0.0
297	4	2.76e-03	-0.03	-0.19	2.20e-04	-2.78e-04	0.0
297	6	-0.01	-6.94e-06	-0.15	-1.34e-05	-3.33e-04	0.0
297	8	1.84e-03	-0.02	-0.14	1.45e-04	-2.14e-04	0.0
297	10	-1.98e-03	-7.71e-04	-0.13	-1.75e-06	-2.37e-04	0.0
297	14	-2.17e-03	8.94e-04	-0.13	-1.83e-05	-2.38e-04	0.0
297	28	-2.80e-04	-2.79e-03	-0.13	1.80e-05	-2.23e-04	0.0

297	42	-9.56e-04	-3.73e-04	-0.13	-5.69e-06	-2.27e-04	0.0
297	46	-1.05e-03	4.32e-04	-0.13	-1.37e-05	-2.27e-04	0.0
297	60	-1.35e-04	-1.35e-03	-0.13	3.86e-06	-2.20e-04	0.0
298	2	-0.02	1.04e-05	-0.20	1.82e-05	-4.56e-04	0.0
298	3	2.76e-03	0.03	-0.19	-2.20e-04	-2.78e-04	0.0
298	6	-0.01	6.95e-06	-0.15	1.34e-05	-3.33e-04	0.0
298	7	1.84e-03	0.02	-0.14	-1.45e-04	-2.14e-04	0.0
298	12	-2.17e-03	-8.94e-04	-0.13	1.83e-05	-2.38e-04	0.0
298	16	-1.98e-03	7.71e-04	-0.13	1.75e-06	-2.37e-04	0.0
298	30	-2.80e-04	2.79e-03	-0.13	-1.80e-05	-2.23e-04	0.0
298	44	-1.05e-03	-4.32e-04	-0.13	1.37e-05	-2.27e-04	0.0
298	48	-9.56e-04	3.73e-04	-0.13	5.69e-06	-2.27e-04	0.0
298	62	-1.35e-04	1.35e-03	-0.13	-3.86e-06	-2.20e-04	0.0
299	2	-0.02	1.20e-05	-0.20	2.03e-05	-4.55e-04	0.0
299	3	4.60e-03	0.03	-0.20	-2.17e-04	-2.77e-04	0.0
299	6	-0.01	8.05e-06	-0.15	1.50e-05	-3.32e-04	0.0
299	7	3.06e-03	0.02	-0.15	-1.43e-04	-2.13e-04	0.0
299	12	-2.26e-03	-8.93e-04	-0.13	1.96e-05	-2.37e-04	0.0
299	30	-5.75e-05	2.79e-03	-0.13	-1.66e-05	-2.22e-04	0.0
299	32	-9.00e-05	2.76e-03	-0.13	-1.67e-05	-2.22e-04	0.0
299	44	-1.09e-03	-4.32e-04	-0.13	1.50e-05	-2.26e-04	0.0
299	62	-2.75e-05	1.35e-03	-0.13	-2.53e-06	-2.19e-04	0.0
299	64	-4.32e-05	1.33e-03	-0.13	-2.56e-06	-2.19e-04	0.0
300	1	0.02	1.43e-05	-0.10	1.78e-05	-1.56e-04	0.0
300	3	4.65e-03	0.02	-0.11	-2.10e-04	-3.37e-04	0.0
300	5	0.01	9.57e-06	-0.07	1.31e-05	-1.37e-04	0.0
300	7	3.10e-03	0.01	-0.08	-1.39e-04	-2.58e-04	0.0
300	24	2.26e-03	4.58e-04	-0.06	2.22e-06	-2.30e-04	0.0
300	37	1.03e-03	1.79e-03	-0.06	-1.68e-05	-2.45e-04	0.0
300	38	1.14e-03	1.70e-03	-0.06	-1.69e-05	-2.45e-04	0.0
300	56	1.09e-03	2.22e-04	-0.06	5.96e-06	-2.40e-04	0.0
300	69	4.96e-04	8.67e-04	-0.06	-3.27e-06	-2.48e-04	0.0
300	70	5.52e-04	8.25e-04	-0.06	-3.28e-06	-2.48e-04	0.0
301	2	-0.02	9.65e-06	-0.19	1.92e-05	-4.57e-04	0.0
301	3	4.60e-03	0.03	-0.20	-2.18e-04	-2.78e-04	0.0
301	6	-0.01	6.46e-06	-0.14	1.41e-05	-3.33e-04	0.0
301	7	3.07e-03	0.02	-0.15	-1.44e-04	-2.14e-04	0.0
301	12	-2.26e-03	-8.58e-04	-0.13	1.90e-05	-2.38e-04	0.0
301	30	-5.74e-05	2.70e-03	-0.13	-1.73e-05	-2.23e-04	0.0
301	32	-8.99e-05	2.67e-03	-0.13	-1.73e-05	-2.23e-04	0.0
301	44	-1.09e-03	-4.15e-04	-0.12	1.43e-05	-2.27e-04	0.0
301	62	-2.74e-05	1.31e-03	-0.13	-3.20e-06	-2.20e-04	0.0
301	64	-4.31e-05	1.29e-03	-0.13	-3.23e-06	-2.20e-04	0.0
302	1	0.02	1.17e-05	-0.10	1.71e-05	-1.54e-04	0.0
302	3	4.65e-03	0.02	-0.12	-2.11e-04	-3.36e-04	0.0
302	5	0.01	7.83e-06	-0.08	1.26e-05	-1.36e-04	0.0
302	7	3.10e-03	0.01	-0.09	-1.39e-04	-2.57e-04	0.0
302	24	2.26e-03	4.94e-04	-0.07	1.94e-06	-2.30e-04	0.0
302	37	1.03e-03	1.86e-03	-0.07	-1.72e-05	-2.45e-04	0.0
302	38	1.14e-03	1.79e-03	-0.07	-1.72e-05	-2.45e-04	0.0
302	56	1.09e-03	2.39e-04	-0.07	5.71e-06	-2.40e-04	0.0
302	69	4.96e-04	9.01e-04	-0.07	-3.54e-06	-2.47e-04	0.0
302	70	5.52e-04	8.68e-04	-0.07	-3.55e-06	-2.47e-04	0.0
303	2	-0.02	4.84e-06	-0.15	1.41e-05	-4.74e-04	0.0
303	3	4.61e-03	0.02	-0.17	-2.19e-04	-2.95e-04	0.0
303	4	-4.61e-03	-0.02	-0.10	2.41e-04	-2.95e-04	0.0

303	6	-0.01	3.27e-06	-0.11	1.05e-05	-3.46e-04	0.0
303	7	3.08e-03	0.02	-0.13	-1.45e-04	-2.27e-04	0.0
303	8	-3.08e-03	-0.02	-0.08	1.62e-04	-2.27e-04	0.0
303	12	-2.26e-03	-7.39e-04	-0.11	1.68e-05	-2.48e-04	0.0
303	30	-5.58e-05	2.39e-03	-0.11	-1.90e-05	-2.33e-04	0.0
303	32	-8.83e-05	2.37e-03	-0.11	-1.91e-05	-2.33e-04	0.0
303	44	-1.09e-03	-3.57e-04	-0.11	1.23e-05	-2.37e-04	0.0
303	62	-2.66e-05	1.16e-03	-0.11	-4.98e-06	-2.30e-04	0.0
303	64	-4.23e-05	1.15e-03	-0.11	-5.00e-06	-2.30e-04	0.0
304	1	0.02	6.74e-06	-0.11	1.24e-05	-1.37e-04	0.0
304	3	4.64e-03	0.02	-0.15	-2.17e-04	-3.22e-04	0.0
304	4	-4.64e-03	-0.02	-0.08	2.38e-04	-3.04e-04	0.0
304	5	0.01	4.54e-06	-0.09	9.35e-06	-1.23e-04	0.0
304	7	3.09e-03	0.01	-0.11	-1.43e-04	-2.47e-04	0.0
304	8	-3.09e-03	-0.01	-0.06	1.60e-04	-2.35e-04	0.0
304	24	2.26e-03	6.12e-04	-0.09	0.0	-2.21e-04	0.0
304	37	1.02e-03	2.10e-03	-0.09	-1.89e-05	-2.36e-04	0.0
304	38	1.14e-03	2.10e-03	-0.09	-1.89e-05	-2.36e-04	0.0
304	56	1.09e-03	2.96e-04	-0.09	4.31e-06	-2.31e-04	0.0
304	69	4.95e-04	1.02e-03	-0.09	-4.96e-06	-2.38e-04	0.0
304	70	5.51e-04	1.01e-03	-0.09	-4.96e-06	-2.38e-04	0.0
305	2	-0.02	0.0	-0.13	1.10e-05	-4.83e-04	0.0
305	3	4.63e-03	0.02	-0.16	-2.18e-04	-3.09e-04	0.0
305	4	-4.63e-03	-0.02	-0.09	2.39e-04	-3.00e-04	0.0
305	6	-0.01	0.0	-0.10	8.41e-06	-3.53e-04	0.0
305	7	3.09e-03	0.01	-0.12	-1.45e-04	-2.37e-04	0.0
305	8	-3.09e-03	-0.01	-0.07	1.60e-04	-2.31e-04	0.0
305	12	-2.26e-03	-6.86e-04	-0.10	1.63e-05	-2.55e-04	0.0
305	32	-8.68e-05	2.23e-03	-0.10	-1.92e-05	-2.41e-04	0.0
305	40	1.17e-03	2.24e-03	-0.10	-1.93e-05	-2.28e-04	0.0
305	44	-1.09e-03	-3.32e-04	-0.10	1.19e-05	-2.44e-04	0.0
305	64	-4.15e-05	1.08e-03	-0.10	-5.22e-06	-2.37e-04	0.0
305	72	5.66e-04	1.08e-03	-0.10	-5.27e-06	-2.31e-04	0.0
306	1	0.02	5.45e-06	-0.12	1.15e-05	-1.33e-04	0.0
306	3	4.64e-03	0.02	-0.15	-2.17e-04	-3.19e-04	0.0
306	4	-4.64e-03	-0.02	-0.08	2.38e-04	-3.03e-04	0.0
306	5	0.01	3.69e-06	-0.09	8.75e-06	-1.21e-04	0.0
306	7	3.09e-03	0.01	-0.11	-1.44e-04	-2.44e-04	0.0
306	8	-3.09e-03	-0.01	-0.07	1.60e-04	-2.34e-04	0.0
306	24	2.26e-03	6.55e-04	-0.09	0.0	-2.19e-04	0.0
306	30	-5.32e-05	2.14e-03	-0.09	-1.91e-05	-2.46e-04	0.0
306	32	-8.57e-05	2.13e-03	-0.09	-1.92e-05	-2.46e-04	0.0
306	56	1.09e-03	3.17e-04	-0.09	4.18e-06	-2.29e-04	0.0
306	62	-2.52e-05	1.03e-03	-0.09	-5.14e-06	-2.42e-04	0.0
306	64	-4.09e-05	1.03e-03	-0.09	-5.15e-06	-2.42e-04	0.0
307	2	-0.02	3.57e-06	-0.14	1.32e-05	-4.76e-04	0.0
307	3	4.62e-03	0.02	-0.17	-2.19e-04	-2.99e-04	0.0
307	4	-4.62e-03	-0.02	-0.10	2.40e-04	-2.97e-04	0.0
307	6	-0.01	2.43e-06	-0.11	9.90e-06	-3.48e-04	0.0
307	7	3.08e-03	0.01	-0.13	-1.45e-04	-2.30e-04	0.0
307	8	-3.08e-03	-0.01	-0.08	1.61e-04	-2.28e-04	0.0
307	12	-2.26e-03	-7.23e-04	-0.10	1.66e-05	-2.50e-04	0.0
307	30	-5.54e-05	2.35e-03	-0.11	-1.91e-05	-2.35e-04	0.0
307	32	-8.79e-05	2.33e-03	-0.11	-1.92e-05	-2.35e-04	0.0
307	44	-1.09e-03	-3.49e-04	-0.10	1.22e-05	-2.39e-04	0.0
307	62	-2.63e-05	1.13e-03	-0.10	-5.08e-06	-2.32e-04	0.0

307	64	-4.20e-05	1.13e-03	-0.10	-5.11e-06	-2.32e-04	0.0
308	1	0.02	8.73e-06	-0.11	1.45e-05	-1.45e-04	0.0
308	3	4.65e-03	0.02	-0.14	-2.15e-04	-3.30e-04	0.0
308	5	0.01	5.86e-06	-0.08	1.08e-05	-1.29e-04	0.0
308	7	3.10e-03	0.01	-0.10	-1.42e-04	-2.53e-04	0.0
308	24	2.26e-03	5.72e-04	-0.08	0.0	-2.25e-04	0.0
308	37	1.03e-03	2.02e-03	-0.08	-1.83e-05	-2.40e-04	0.0
308	38	1.14e-03	1.99e-03	-0.08	-1.83e-05	-2.40e-04	0.0
308	56	1.09e-03	2.77e-04	-0.08	4.78e-06	-2.35e-04	0.0
308	69	4.96e-04	9.75e-04	-0.08	-4.50e-06	-2.43e-04	0.0
308	70	5.51e-04	9.63e-04	-0.08	-4.51e-06	-2.43e-04	0.0
309	2	-0.02	6.84e-06	-0.16	1.61e-05	-4.66e-04	0.0
309	3	4.61e-03	0.02	-0.18	-2.20e-04	-2.86e-04	0.0
309	6	-0.01	4.60e-06	-0.12	1.19e-05	-3.40e-04	0.0
309	7	3.07e-03	0.02	-0.14	-1.45e-04	-2.21e-04	0.0
309	12	-2.26e-03	-7.80e-04	-0.11	1.74e-05	-2.43e-04	0.0
309	30	-5.66e-05	2.50e-03	-0.12	-1.86e-05	-2.28e-04	0.0
309	32	-8.92e-05	2.48e-03	-0.12	-1.86e-05	-2.28e-04	0.0
309	44	-1.09e-03	-3.77e-04	-0.11	1.29e-05	-2.32e-04	0.0
309	62	-2.70e-05	1.21e-03	-0.11	-4.53e-06	-2.25e-04	0.0
309	64	-4.27e-05	1.20e-03	-0.11	-4.56e-06	-2.25e-04	0.0
310	2	-0.02	8.21e-06	-0.18	1.79e-05	-4.60e-04	0.0
310	3	4.60e-03	0.02	-0.19	-2.19e-04	-2.81e-04	0.0
310	6	-0.01	5.51e-06	-0.13	1.32e-05	-3.36e-04	0.0
310	7	3.07e-03	0.02	-0.14	-1.45e-04	-2.16e-04	0.0
310	12	-2.26e-03	-8.23e-04	-0.12	1.82e-05	-2.40e-04	0.0
310	30	-5.72e-05	2.61e-03	-0.12	-1.80e-05	-2.25e-04	0.0
310	32	-8.97e-05	2.58e-03	-0.12	-1.80e-05	-2.25e-04	0.0
310	44	-1.09e-03	-3.98e-04	-0.12	1.36e-05	-2.29e-04	0.0
310	62	-2.73e-05	1.26e-03	-0.12	-3.87e-06	-2.22e-04	0.0
310	64	-4.30e-05	1.25e-03	-0.12	-3.90e-06	-2.22e-04	0.0
311	1	0.02	1.01e-05	-0.10	1.61e-05	-1.51e-04	0.0
311	3	4.65e-03	0.02	-0.13	-2.13e-04	-3.35e-04	0.0
311	5	0.01	6.79e-06	-0.08	1.19e-05	-1.34e-04	0.0
311	7	3.10e-03	0.01	-0.09	-1.41e-04	-2.56e-04	0.0
311	24	2.26e-03	5.30e-04	-0.07	1.50e-06	-2.28e-04	0.0
311	37	1.03e-03	1.93e-03	-0.08	-1.77e-05	-2.43e-04	0.0
311	38	1.14e-03	1.88e-03	-0.08	-1.77e-05	-2.43e-04	0.0
311	56	1.09e-03	2.56e-04	-0.07	5.32e-06	-2.38e-04	0.0
311	69	4.96e-04	9.35e-04	-0.07	-3.96e-06	-2.46e-04	0.0
311	70	5.52e-04	9.11e-04	-0.07	-3.97e-06	-2.46e-04	0.0
312	2	-0.02	-1.20e-05	-0.20	-2.03e-05	-4.55e-04	0.0
312	4	4.60e-03	-0.03	-0.20	2.17e-04	-2.77e-04	0.0
312	6	-0.01	-8.04e-06	-0.15	-1.50e-05	-3.32e-04	0.0
312	8	3.06e-03	-0.02	-0.15	1.43e-04	-2.13e-04	0.0
312	14	-2.26e-03	8.93e-04	-0.13	-1.96e-05	-2.37e-04	0.0
312	26	-9.00e-05	-2.76e-03	-0.13	1.67e-05	-2.22e-04	0.0
312	28	-5.75e-05	-2.79e-03	-0.13	1.66e-05	-2.22e-04	0.0
312	46	-1.09e-03	4.32e-04	-0.13	-1.50e-05	-2.26e-04	0.0
312	58	-4.32e-05	-1.33e-03	-0.13	2.56e-06	-2.19e-04	0.0
312	60	-2.75e-05	-1.35e-03	-0.13	2.53e-06	-2.19e-04	0.0
313	1	0.02	-1.43e-05	-0.10	-1.78e-05	-1.56e-04	0.0
313	4	4.65e-03	-0.02	-0.11	2.10e-04	-3.37e-04	0.0
313	5	0.01	-9.57e-06	-0.07	-1.31e-05	-1.37e-04	0.0
313	8	3.10e-03	-0.01	-0.08	1.39e-04	-2.58e-04	0.0
313	18	2.26e-03	-4.58e-04	-0.06	-2.22e-06	-2.30e-04	0.0

313	35	1.03e-03	-1.79e-03	-0.06	1.68e-05	-2.45e-04	0.0
313	36	1.14e-03	-1.70e-03	-0.06	1.69e-05	-2.45e-04	0.0
313	50	1.09e-03	-2.22e-04	-0.06	-5.96e-06	-2.40e-04	0.0
313	67	4.96e-04	-8.67e-04	-0.06	3.27e-06	-2.48e-04	0.0
313	68	5.52e-04	-8.25e-04	-0.06	3.28e-06	-2.48e-04	0.0
314	2	-0.02	-9.64e-06	-0.19	-1.92e-05	-4.57e-04	0.0
314	4	4.60e-03	-0.03	-0.20	2.18e-04	-2.78e-04	0.0
314	6	-0.01	-6.45e-06	-0.14	-1.41e-05	-3.33e-04	0.0
314	8	3.07e-03	-0.02	-0.15	1.44e-04	-2.14e-04	0.0
314	14	-2.26e-03	8.58e-04	-0.13	-1.90e-05	-2.38e-04	0.0
314	26	-8.99e-05	-2.67e-03	-0.13	1.73e-05	-2.23e-04	0.0
314	28	-5.74e-05	-2.70e-03	-0.13	1.73e-05	-2.23e-04	0.0
314	46	-1.09e-03	4.15e-04	-0.12	-1.43e-05	-2.27e-04	0.0
314	58	-4.31e-05	-1.29e-03	-0.13	3.23e-06	-2.20e-04	0.0
314	60	-2.74e-05	-1.31e-03	-0.13	3.20e-06	-2.20e-04	0.0
315	1	0.02	-1.17e-05	-0.10	-1.71e-05	-1.54e-04	0.0
315	4	4.65e-03	-0.02	-0.12	2.11e-04	-3.36e-04	0.0
315	5	0.01	-7.83e-06	-0.08	-1.26e-05	-1.36e-04	0.0
315	8	3.10e-03	-0.01	-0.09	1.39e-04	-2.57e-04	0.0
315	18	2.26e-03	-4.94e-04	-0.07	-1.95e-06	-2.30e-04	0.0
315	35	1.03e-03	-1.86e-03	-0.07	1.72e-05	-2.45e-04	0.0
315	36	1.14e-03	-1.79e-03	-0.07	1.72e-05	-2.45e-04	0.0
315	50	1.09e-03	-2.39e-04	-0.07	-5.71e-06	-2.40e-04	0.0
315	67	4.96e-04	-9.01e-04	-0.07	3.54e-06	-2.47e-04	0.0
315	68	5.52e-04	-8.68e-04	-0.07	3.55e-06	-2.47e-04	0.0
316	2	-0.02	-4.83e-06	-0.15	-1.41e-05	-4.74e-04	0.0
316	3	-4.61e-03	0.02	-0.10	-2.41e-04	-2.95e-04	0.0
316	4	4.61e-03	-0.02	-0.17	2.19e-04	-2.95e-04	0.0
316	6	-0.01	-3.27e-06	-0.11	-1.05e-05	-3.46e-04	0.0
316	7	-3.08e-03	0.02	-0.08	-1.62e-04	-2.27e-04	0.0
316	8	3.08e-03	-0.02	-0.13	1.45e-04	-2.27e-04	0.0
316	14	-2.26e-03	7.39e-04	-0.11	-1.68e-05	-2.48e-04	0.0
316	26	-8.83e-05	-2.37e-03	-0.11	1.91e-05	-2.33e-04	0.0
316	28	-5.58e-05	-2.39e-03	-0.11	1.90e-05	-2.33e-04	0.0
316	46	-1.09e-03	3.57e-04	-0.11	-1.23e-05	-2.37e-04	0.0
316	58	-4.23e-05	-1.15e-03	-0.11	5.00e-06	-2.30e-04	0.0
316	60	-2.66e-05	-1.16e-03	-0.11	4.97e-06	-2.30e-04	0.0
317	1	0.02	-6.74e-06	-0.11	-1.24e-05	-1.37e-04	0.0
317	3	-4.64e-03	0.02	-0.08	-2.38e-04	-3.04e-04	0.0
317	4	4.64e-03	-0.02	-0.15	2.17e-04	-3.22e-04	0.0
317	5	0.01	-4.54e-06	-0.09	-9.35e-06	-1.23e-04	0.0
317	7	-3.09e-03	0.01	-0.06	-1.60e-04	-2.35e-04	0.0
317	8	3.09e-03	-0.01	-0.11	1.43e-04	-2.47e-04	0.0
317	18	2.26e-03	-6.12e-04	-0.09	0.0	-2.21e-04	0.0
317	35	1.02e-03	-2.10e-03	-0.09	1.89e-05	-2.36e-04	0.0
317	36	1.14e-03	-2.10e-03	-0.09	1.89e-05	-2.36e-04	0.0
317	50	1.09e-03	-2.96e-04	-0.09	-4.32e-06	-2.31e-04	0.0
317	67	4.95e-04	-1.02e-03	-0.09	4.95e-06	-2.38e-04	0.0
317	68	5.51e-04	-1.01e-03	-0.09	4.96e-06	-2.38e-04	0.0
318	2	-0.02	0.0	-0.13	-1.10e-05	-4.83e-04	0.0
318	3	-4.63e-03	0.02	-0.09	-2.39e-04	-3.00e-04	0.0
318	4	4.63e-03	-0.02	-0.16	2.18e-04	-3.09e-04	0.0
318	6	-0.01	0.0	-0.10	-8.41e-06	-3.53e-04	0.0
318	7	-3.09e-03	0.01	-0.07	-1.60e-04	-2.31e-04	0.0
318	8	3.09e-03	-0.01	-0.12	1.45e-04	-2.37e-04	0.0
318	14	-2.26e-03	6.86e-04	-0.10	-1.63e-05	-2.55e-04	0.0

318	26	-8.68e-05	-2.23e-03	-0.10	1.92e-05	-2.41e-04	0.0
318	34	1.17e-03	-2.24e-03	-0.10	1.93e-05	-2.28e-04	0.0
318	46	-1.09e-03	3.32e-04	-0.10	-1.20e-05	-2.44e-04	0.0
318	58	-4.14e-05	-1.08e-03	-0.10	5.22e-06	-2.37e-04	0.0
318	66	5.66e-04	-1.08e-03	-0.10	5.27e-06	-2.31e-04	0.0
319	1	0.02	-5.45e-06	-0.12	-1.15e-05	-1.33e-04	0.0
319	3	-4.64e-03	0.02	-0.08	-2.38e-04	-3.03e-04	0.0
319	4	4.64e-03	-0.02	-0.15	2.17e-04	-3.19e-04	0.0
319	5	0.01	-3.69e-06	-0.09	-8.75e-06	-1.21e-04	0.0
319	7	-3.09e-03	0.01	-0.07	-1.60e-04	-2.34e-04	0.0
319	8	3.09e-03	-0.01	-0.11	1.44e-04	-2.44e-04	0.0
319	18	2.26e-03	-6.55e-04	-0.09	0.0	-2.19e-04	0.0
319	26	-8.57e-05	-2.13e-03	-0.09	1.92e-05	-2.46e-04	0.0
319	28	-5.32e-05	-2.14e-03	-0.09	1.91e-05	-2.46e-04	0.0
319	50	1.09e-03	-3.17e-04	-0.09	-4.18e-06	-2.29e-04	0.0
319	58	-4.09e-05	-1.03e-03	-0.09	5.15e-06	-2.42e-04	0.0
319	60	-2.52e-05	-1.03e-03	-0.09	5.14e-06	-2.42e-04	0.0
320	2	-0.02	-3.57e-06	-0.14	-1.32e-05	-4.76e-04	0.0
320	3	-4.62e-03	0.02	-0.10	-2.40e-04	-2.97e-04	0.0
320	4	4.62e-03	-0.02	-0.17	2.19e-04	-2.99e-04	0.0
320	6	-0.01	-2.43e-06	-0.11	-9.90e-06	-3.48e-04	0.0
320	7	-3.08e-03	0.01	-0.08	-1.61e-04	-2.28e-04	0.0
320	8	3.08e-03	-0.01	-0.13	1.45e-04	-2.30e-04	0.0
320	14	-2.26e-03	7.23e-04	-0.10	-1.66e-05	-2.50e-04	0.0
320	26	-8.79e-05	-2.33e-03	-0.11	1.92e-05	-2.35e-04	0.0
320	28	-5.53e-05	-2.35e-03	-0.11	1.91e-05	-2.35e-04	0.0
320	46	-1.09e-03	3.49e-04	-0.10	-1.22e-05	-2.39e-04	0.0
320	58	-4.20e-05	-1.13e-03	-0.10	5.11e-06	-2.32e-04	0.0
320	60	-2.63e-05	-1.13e-03	-0.10	5.08e-06	-2.32e-04	0.0
321	1	0.02	-8.73e-06	-0.11	-1.45e-05	-1.45e-04	0.0
321	4	4.65e-03	-0.02	-0.14	2.15e-04	-3.30e-04	0.0
321	5	0.01	-5.86e-06	-0.08	-1.08e-05	-1.29e-04	0.0
321	8	3.10e-03	-0.01	-0.10	1.42e-04	-2.53e-04	0.0
321	18	2.26e-03	-5.72e-04	-0.08	0.0	-2.25e-04	0.0
321	35	1.03e-03	-2.02e-03	-0.08	1.83e-05	-2.40e-04	0.0
321	36	1.14e-03	-1.99e-03	-0.08	1.83e-05	-2.40e-04	0.0
321	50	1.09e-03	-2.77e-04	-0.08	-4.78e-06	-2.35e-04	0.0
321	67	4.96e-04	-9.75e-04	-0.08	4.50e-06	-2.43e-04	0.0
321	68	5.51e-04	-9.63e-04	-0.08	4.51e-06	-2.43e-04	0.0
322	2	-0.02	-6.83e-06	-0.16	-1.61e-05	-4.66e-04	0.0
322	4	4.61e-03	-0.02	-0.18	2.20e-04	-2.86e-04	0.0
322	6	-0.01	-4.60e-06	-0.12	-1.19e-05	-3.40e-04	0.0
322	8	3.07e-03	-0.02	-0.14	1.45e-04	-2.21e-04	0.0
322	14	-2.26e-03	7.80e-04	-0.11	-1.74e-05	-2.43e-04	0.0
322	26	-8.91e-05	-2.48e-03	-0.12	1.86e-05	-2.28e-04	0.0
322	28	-5.66e-05	-2.50e-03	-0.12	1.86e-05	-2.28e-04	0.0
322	46	-1.09e-03	3.77e-04	-0.11	-1.29e-05	-2.32e-04	0.0
322	58	-4.27e-05	-1.20e-03	-0.11	4.56e-06	-2.25e-04	0.0
322	60	-2.70e-05	-1.21e-03	-0.11	4.53e-06	-2.25e-04	0.0
323	2	-0.02	-8.20e-06	-0.18	-1.79e-05	-4.60e-04	0.0
323	4	4.60e-03	-0.02	-0.19	2.19e-04	-2.81e-04	0.0
323	6	-0.01	-5.50e-06	-0.13	-1.32e-05	-3.36e-04	0.0
323	8	3.07e-03	-0.02	-0.14	1.45e-04	-2.16e-04	0.0
323	14	-2.26e-03	8.23e-04	-0.12	-1.82e-05	-2.40e-04	0.0
323	26	-8.97e-05	-2.58e-03	-0.12	1.80e-05	-2.25e-04	0.0
323	28	-5.72e-05	-2.61e-03	-0.12	1.80e-05	-2.25e-04	0.0

323	46	-1.09e-03	3.98e-04	-0.12	-1.36e-05	-2.29e-04	0.0
323	58	-4.30e-05	-1.25e-03	-0.12	3.90e-06	-2.22e-04	0.0
323	60	-2.73e-05	-1.26e-03	-0.12	3.87e-06	-2.22e-04	0.0
324	1	0.02	-1.01e-05	-0.10	-1.61e-05	-1.51e-04	0.0
324	4	4.65e-03	-0.02	-0.13	2.13e-04	-3.35e-04	0.0
324	5	0.01	-6.78e-06	-0.08	-1.19e-05	-1.34e-04	0.0
324	8	3.10e-03	-0.01	-0.09	1.41e-04	-2.56e-04	0.0
324	18	2.26e-03	-5.30e-04	-0.07	-1.50e-06	-2.28e-04	0.0
324	35	1.03e-03	-1.93e-03	-0.08	1.77e-05	-2.43e-04	0.0
324	36	1.14e-03	-1.88e-03	-0.08	1.77e-05	-2.43e-04	0.0
324	50	1.09e-03	-2.56e-04	-0.07	-5.32e-06	-2.38e-04	0.0
324	67	4.96e-04	-9.35e-04	-0.07	3.96e-06	-2.46e-04	0.0
324	68	5.52e-04	-9.11e-04	-0.07	3.97e-06	-2.46e-04	0.0
325	1	0.02	-1.88e-05	-0.09	-1.79e-05	-1.56e-04	0.0
325	4	4.65e-03	-0.02	-0.10	2.09e-04	-3.37e-04	0.0
325	5	0.01	-1.26e-05	-0.07	-1.32e-05	-1.37e-04	0.0
325	8	3.10e-03	-0.01	-0.07	1.38e-04	-2.58e-04	0.0
325	18	2.26e-03	-4.23e-04	-0.06	-2.27e-06	-2.31e-04	0.0
325	35	1.03e-03	-1.72e-03	-0.06	1.68e-05	-2.45e-04	0.0
325	36	1.14e-03	-1.62e-03	-0.06	1.68e-05	-2.45e-04	0.0
325	50	1.09e-03	-2.05e-04	-0.05	-6.00e-06	-2.41e-04	0.0
325	67	4.96e-04	-8.34e-04	-0.06	3.22e-06	-2.48e-04	0.0
325	68	5.52e-04	-7.82e-04	-0.06	3.23e-06	-2.48e-04	0.0
326	1	0.02	1.89e-05	-0.09	1.79e-05	-1.56e-04	0.0
326	3	4.65e-03	0.02	-0.10	-2.09e-04	-3.37e-04	0.0
326	5	0.01	1.26e-05	-0.07	1.32e-05	-1.37e-04	0.0
326	7	3.10e-03	0.01	-0.07	-1.38e-04	-2.58e-04	0.0
326	24	2.26e-03	4.23e-04	-0.06	2.27e-06	-2.31e-04	0.0
326	37	1.03e-03	1.72e-03	-0.06	-1.68e-05	-2.45e-04	0.0
326	38	1.14e-03	1.62e-03	-0.06	-1.68e-05	-2.45e-04	0.0
326	56	1.09e-03	2.05e-04	-0.05	6.00e-06	-2.41e-04	0.0
326	69	4.96e-04	8.34e-04	-0.06	-3.22e-06	-2.48e-04	0.0
326	70	5.52e-04	7.82e-04	-0.06	-3.23e-06	-2.48e-04	0.0
327	1	0.02	-1.82e-05	-0.09	-1.76e-05	-1.56e-04	0.0
327	4	3.88e-03	-0.02	-0.10	2.10e-04	-3.36e-04	0.0
327	5	0.01	-1.21e-05	-0.07	-1.30e-05	-1.37e-04	0.0
327	8	2.58e-03	-0.01	-0.07	1.39e-04	-2.58e-04	0.0
327	18	2.22e-03	-4.23e-04	-0.06	-2.11e-06	-2.30e-04	0.0
327	35	9.57e-04	-1.72e-03	-0.06	1.69e-05	-2.45e-04	0.0
327	36	1.05e-03	-1.62e-03	-0.06	1.70e-05	-2.45e-04	0.0
327	50	1.07e-03	-2.05e-04	-0.05	-5.84e-06	-2.41e-04	0.0
327	67	4.63e-04	-8.34e-04	-0.06	3.38e-06	-2.48e-04	0.0
327	68	5.09e-04	-7.82e-04	-0.06	3.39e-06	-2.48e-04	0.0
328	1	0.02	1.82e-05	-0.09	1.76e-05	-1.56e-04	0.0
328	3	3.88e-03	0.02	-0.10	-2.10e-04	-3.36e-04	0.0
328	5	0.01	1.21e-05	-0.07	1.30e-05	-1.37e-04	0.0
328	7	2.58e-03	0.01	-0.07	-1.39e-04	-2.58e-04	0.0
328	24	2.22e-03	4.23e-04	-0.06	2.11e-06	-2.30e-04	0.0
328	37	9.57e-04	1.72e-03	-0.06	-1.69e-05	-2.45e-04	0.0
328	38	1.05e-03	1.62e-03	-0.06	-1.70e-05	-2.45e-04	0.0
328	56	1.07e-03	2.05e-04	-0.05	5.84e-06	-2.41e-04	0.0
328	69	4.63e-04	8.34e-04	-0.06	-3.38e-06	-2.48e-04	0.0
328	70	5.09e-04	7.82e-04	-0.06	-3.39e-06	-2.48e-04	0.0
329	1	0.02	1.07e-05	-0.09	1.07e-05	-1.55e-04	0.0
329	2	-0.02	-1.09e-05	-0.05	3.40e-06	-4.93e-04	0.0
329	3	1.55e-03	0.02	-0.08	-2.16e-04	-3.30e-04	0.0

329	5	0.01	7.16e-06	-0.07	7.87e-06	-1.36e-04	0.0
329	6	-0.01	-7.22e-06	-0.04	2.99e-06	-3.62e-04	0.0
329	7	1.03e-03	0.01	-0.06	-1.43e-04	-2.53e-04	0.0
329	22	2.08e-03	5.39e-04	-0.06	-2.13e-06	-2.30e-04	0.0
329	24	2.12e-03	4.22e-04	-0.06	-1.97e-06	-2.30e-04	0.0
329	37	7.51e-04	1.72e-03	-0.06	-2.09e-05	-2.44e-04	0.0
329	54	1.00e-03	2.61e-04	-0.06	1.79e-06	-2.40e-04	0.0
329	56	1.02e-03	2.04e-04	-0.06	1.87e-06	-2.40e-04	0.0
329	69	3.63e-04	8.34e-04	-0.05	-7.30e-06	-2.47e-04	0.0
330	1	0.02	-1.07e-05	-0.09	-1.07e-05	-1.55e-04	0.0
330	2	-0.02	1.08e-05	-0.05	-3.40e-06	-4.93e-04	0.0
330	4	1.55e-03	-0.02	-0.08	2.16e-04	-3.30e-04	0.0
330	5	0.01	-7.15e-06	-0.07	-7.87e-06	-1.36e-04	0.0
330	6	-0.01	7.22e-06	-0.04	-3.00e-06	-3.62e-04	0.0
330	8	1.03e-03	-0.01	-0.06	1.43e-04	-2.53e-04	0.0
330	18	2.12e-03	-4.22e-04	-0.06	1.97e-06	-2.30e-04	0.0
330	20	2.08e-03	-5.40e-04	-0.06	2.13e-06	-2.30e-04	0.0
330	35	7.51e-04	-1.72e-03	-0.06	2.09e-05	-2.44e-04	0.0
330	50	1.02e-03	-2.04e-04	-0.06	-1.87e-06	-2.40e-04	0.0
330	52	1.00e-03	-2.61e-04	-0.06	-1.79e-06	-2.40e-04	0.0
330	67	3.63e-04	-8.34e-04	-0.05	7.30e-06	-2.47e-04	0.0
331	1	0.02	0.0	-0.09	0.0	-1.55e-04	0.0
331	2	-0.02	0.0	-0.05	0.0	-4.93e-04	0.0
331	4	0.0	-0.02	-0.07	2.24e-04	-3.24e-04	0.0
331	5	0.01	0.0	-0.07	0.0	-1.36e-04	0.0
331	6	-0.01	0.0	-0.04	0.0	-3.62e-04	0.0
331	8	0.0	-0.01	-0.05	1.49e-04	-2.49e-04	0.0
331	19	2.04e-03	-5.71e-04	-0.06	7.77e-06	-2.29e-04	0.0
331	35	6.13e-04	-1.72e-03	-0.05	2.65e-05	-2.43e-04	0.0
331	51	9.87e-04	-2.76e-04	-0.06	3.76e-06	-2.39e-04	0.0
331	67	2.96e-04	-8.34e-04	-0.05	1.28e-05	-2.46e-04	0.0
332	1	0.02	-9.08e-06	-0.09	-8.88e-06	-1.55e-04	0.0
332	2	-0.02	9.20e-06	-0.05	-2.75e-06	-4.93e-04	0.0
332	4	1.24e-03	-0.02	-0.08	2.17e-04	-3.29e-04	0.0
332	5	0.01	-6.07e-06	-0.07	-6.52e-06	-1.36e-04	0.0
332	6	-0.01	6.12e-06	-0.04	-2.43e-06	-3.62e-04	0.0
332	8	8.27e-04	-0.01	-0.06	1.44e-04	-2.52e-04	0.0
332	18	2.10e-03	-4.22e-04	-0.06	3.00e-06	-2.29e-04	0.0
332	20	2.07e-03	-5.39e-04	-0.06	3.15e-06	-2.29e-04	0.0
332	35	7.23e-04	-1.72e-03	-0.06	2.19e-05	-2.44e-04	0.0
332	50	1.02e-03	-2.04e-04	-0.06	0.0	-2.40e-04	0.0
332	52	1.00e-03	-2.61e-04	-0.06	0.0	-2.40e-04	0.0
332	67	3.50e-04	-8.34e-04	-0.05	8.28e-06	-2.46e-04	0.0
333	1	0.02	-6.81e-06	-0.09	-6.48e-06	-1.55e-04	0.0
333	2	-0.02	6.90e-06	-0.05	-1.95e-06	-4.93e-04	0.0
333	4	8.77e-04	-0.02	-0.08	2.19e-04	-3.27e-04	0.0
333	5	0.01	-4.55e-06	-0.07	-4.76e-06	-1.36e-04	0.0
333	6	-0.01	4.59e-06	-0.04	-1.74e-06	-3.62e-04	0.0
333	8	5.85e-04	-0.01	-0.06	1.46e-04	-2.51e-04	0.0
333	18	2.08e-03	-4.22e-04	-0.06	4.32e-06	-2.29e-04	0.0
333	20	2.06e-03	-5.39e-04	-0.06	4.46e-06	-2.29e-04	0.0
333	35	6.91e-04	-1.72e-03	-0.06	2.32e-05	-2.43e-04	0.0
333	50	1.01e-03	-2.04e-04	-0.06	0.0	-2.40e-04	0.0
333	52	9.97e-04	-2.61e-04	-0.06	0.0	-2.40e-04	0.0
333	67	3.34e-04	-8.34e-04	-0.05	9.53e-06	-2.46e-04	0.0
334	1	0.02	6.82e-06	-0.09	6.48e-06	-1.55e-04	0.0

334	2	-0.02	-6.91e-06	-0.05	1.95e-06	-4.93e-04	0.0
334	3	8.77e-04	0.02	-0.08	-2.19e-04	-3.27e-04	0.0
334	5	0.01	4.56e-06	-0.07	4.76e-06	-1.36e-04	0.0
334	6	-0.01	-4.60e-06	-0.04	1.74e-06	-3.62e-04	0.0
334	7	5.85e-04	0.01	-0.06	-1.46e-04	-2.51e-04	0.0
334	22	2.06e-03	5.39e-04	-0.06	-4.46e-06	-2.29e-04	0.0
334	24	2.08e-03	4.22e-04	-0.06	-4.32e-06	-2.29e-04	0.0
334	37	6.91e-04	1.72e-03	-0.06	-2.32e-05	-2.43e-04	0.0
334	54	9.97e-04	2.61e-04	-0.06	0.0	-2.40e-04	0.0
334	56	1.01e-03	2.04e-04	-0.06	0.0	-2.40e-04	0.0
334	69	3.34e-04	8.34e-04	-0.05	-9.53e-06	-2.46e-04	0.0
335	1	0.02	9.09e-06	-0.09	8.88e-06	-1.55e-04	0.0
335	2	-0.02	-9.22e-06	-0.05	2.75e-06	-4.93e-04	0.0
335	3	1.24e-03	0.02	-0.08	-2.17e-04	-3.29e-04	0.0
335	5	0.01	6.07e-06	-0.07	6.52e-06	-1.36e-04	0.0
335	6	-0.01	-6.13e-06	-0.04	2.43e-06	-3.62e-04	0.0
335	7	8.27e-04	0.01	-0.06	-1.44e-04	-2.52e-04	0.0
335	22	2.07e-03	5.39e-04	-0.06	-3.15e-06	-2.29e-04	0.0
335	24	2.10e-03	4.22e-04	-0.06	-3.00e-06	-2.29e-04	0.0
335	37	7.23e-04	1.72e-03	-0.06	-2.19e-05	-2.44e-04	0.0
335	54	1.00e-03	2.61e-04	-0.06	0.0	-2.40e-04	0.0
335	56	1.02e-03	2.04e-04	-0.06	0.0	-2.40e-04	0.0
335	69	3.49e-04	8.34e-04	-0.05	-8.28e-06	-2.46e-04	0.0
336	1	0.02	-1.64e-05	-0.09	-1.60e-05	-1.55e-04	0.0
336	4	2.79e-03	-0.02	-0.09	2.11e-04	-3.34e-04	0.0
336	5	0.01	-1.10e-05	-0.07	-1.18e-05	-1.37e-04	0.0
336	8	1.86e-03	-0.01	-0.07	1.40e-04	-2.56e-04	0.0
336	18	2.17e-03	-4.22e-04	-0.06	-1.07e-06	-2.30e-04	0.0
336	20	2.11e-03	-5.40e-04	-0.06	0.0	-2.30e-04	0.0
336	35	8.60e-04	-1.72e-03	-0.06	1.80e-05	-2.45e-04	0.0
336	50	1.05e-03	-2.05e-04	-0.06	-4.82e-06	-2.40e-04	0.0
336	52	1.02e-03	-2.61e-04	-0.06	-4.74e-06	-2.40e-04	0.0
336	67	4.16e-04	-8.34e-04	-0.05	4.39e-06	-2.47e-04	0.0
337	1	0.02	1.64e-05	-0.09	1.60e-05	-1.55e-04	0.0
337	3	2.79e-03	0.02	-0.09	-2.11e-04	-3.34e-04	0.0
337	5	0.01	1.10e-05	-0.07	1.18e-05	-1.37e-04	0.0
337	7	1.86e-03	0.01	-0.07	-1.40e-04	-2.56e-04	0.0
337	22	2.11e-03	5.40e-04	-0.06	0.0	-2.30e-04	0.0
337	24	2.17e-03	4.22e-04	-0.06	1.07e-06	-2.30e-04	0.0
337	37	8.60e-04	1.72e-03	-0.06	-1.80e-05	-2.45e-04	0.0
337	54	1.02e-03	2.61e-04	-0.06	4.74e-06	-2.40e-04	0.0
337	56	1.05e-03	2.05e-04	-0.06	4.82e-06	-2.40e-04	0.0
337	69	4.16e-04	8.34e-04	-0.05	-4.39e-06	-2.47e-04	0.0
338	2	-0.02	1.61e-05	-0.21	2.08e-05	-4.55e-04	0.0
338	3	4.60e-03	0.03	-0.21	-2.17e-04	-2.76e-04	0.0
338	6	-0.01	1.07e-05	-0.16	1.53e-05	-3.32e-04	0.0
338	7	3.06e-03	0.02	-0.16	-1.43e-04	-2.13e-04	0.0
338	12	-2.26e-03	-9.29e-04	-0.14	1.99e-05	-2.36e-04	0.0
338	16	-1.94e-03	7.90e-04	-0.14	3.37e-06	-2.36e-04	0.0
338	30	-5.75e-05	2.89e-03	-0.14	-1.63e-05	-2.22e-04	0.0
338	44	-1.09e-03	-4.49e-04	-0.14	1.53e-05	-2.26e-04	0.0
338	48	-9.35e-04	3.82e-04	-0.14	7.26e-06	-2.26e-04	0.0
338	62	-2.75e-05	1.40e-03	-0.14	-2.28e-06	-2.19e-04	0.0
339	2	-0.02	-1.60e-05	-0.21	-2.08e-05	-4.55e-04	0.0
339	4	4.60e-03	-0.03	-0.21	2.17e-04	-2.76e-04	0.0
339	6	-0.01	-1.07e-05	-0.16	-1.53e-05	-3.32e-04	0.0

339	8	3.06e-03	-0.02	-0.16	1.43e-04	-2.13e-04	0.0
339	10	-1.94e-03	-7.90e-04	-0.14	-3.38e-06	-2.36e-04	0.0
339	14	-2.26e-03	9.29e-04	-0.14	-1.99e-05	-2.36e-04	0.0
339	28	-5.75e-05	-2.89e-03	-0.14	1.63e-05	-2.22e-04	0.0
339	42	-9.35e-04	-3.82e-04	-0.14	-7.26e-06	-2.26e-04	0.0
339	46	-1.09e-03	4.49e-04	-0.14	-1.53e-05	-2.26e-04	0.0
339	60	-2.75e-05	-1.40e-03	-0.14	2.28e-06	-2.19e-04	0.0
340	2	-0.02	-1.55e-05	-0.21	-2.02e-05	-4.55e-04	0.0
340	4	3.83e-03	-0.03	-0.20	2.17e-04	-2.76e-04	0.0
340	6	-0.01	-1.04e-05	-0.16	-1.49e-05	-3.32e-04	0.0
340	8	2.56e-03	-0.02	-0.15	1.43e-04	-2.13e-04	0.0
340	10	-1.95e-03	-7.90e-04	-0.14	-3.06e-06	-2.36e-04	0.0
340	14	-2.22e-03	9.29e-04	-0.14	-1.96e-05	-2.37e-04	0.0
340	28	-1.50e-04	-2.89e-03	-0.14	1.67e-05	-2.22e-04	0.0
340	42	-9.43e-04	-3.82e-04	-0.14	-6.95e-06	-2.26e-04	0.0
340	46	-1.07e-03	4.49e-04	-0.14	-1.49e-05	-2.26e-04	0.0
340	60	-7.22e-05	-1.40e-03	-0.14	2.60e-06	-2.19e-04	0.0
341	2	-0.02	1.55e-05	-0.21	2.02e-05	-4.55e-04	0.0
341	3	3.83e-03	0.03	-0.20	-2.17e-04	-2.76e-04	0.0
341	6	-0.01	1.04e-05	-0.16	1.49e-05	-3.32e-04	0.0
341	7	2.56e-03	0.02	-0.15	-1.43e-04	-2.13e-04	0.0
341	12	-2.22e-03	-9.29e-04	-0.14	1.96e-05	-2.37e-04	0.0
341	16	-1.95e-03	7.90e-04	-0.14	3.06e-06	-2.36e-04	0.0
341	30	-1.50e-04	2.89e-03	-0.14	-1.67e-05	-2.22e-04	0.0
341	44	-1.07e-03	-4.49e-04	-0.14	1.49e-05	-2.26e-04	0.0
341	48	-9.43e-04	3.82e-04	-0.14	6.95e-06	-2.26e-04	0.0
341	62	-7.22e-05	1.40e-03	-0.14	-2.60e-06	-2.19e-04	0.0
342	1	0.02	9.67e-06	-0.14	-3.77e-06	-1.09e-04	0.0
342	2	-0.02	-9.52e-06	-0.21	-1.20e-05	-4.57e-04	0.0
342	4	1.53e-03	-0.03	-0.19	2.25e-04	-2.81e-04	0.0
342	6	-0.01	-6.36e-06	-0.16	-8.84e-06	-3.34e-04	0.0
342	8	1.02e-03	-0.02	-0.14	1.49e-04	-2.16e-04	0.0
342	10	-2.01e-03	-7.90e-04	-0.14	1.76e-06	-2.38e-04	0.0
342	14	-2.12e-03	9.29e-04	-0.14	-1.49e-05	-2.38e-04	0.0
342	28	-4.28e-04	-2.89e-03	-0.14	2.14e-05	-2.24e-04	0.0
342	42	-9.70e-04	-3.82e-04	-0.14	-2.30e-06	-2.28e-04	0.0
342	46	-1.02e-03	4.50e-04	-0.14	-1.04e-05	-2.28e-04	0.0
342	60	-2.07e-04	-1.40e-03	-0.14	7.21e-06	-2.21e-04	0.0
343	1	0.02	-8.14e-06	-0.14	3.06e-06	-1.09e-04	0.0
343	2	-0.02	8.01e-06	-0.21	9.94e-06	-4.58e-04	0.0
343	3	1.23e-03	0.03	-0.19	-2.27e-04	-2.82e-04	0.0
343	6	-0.01	5.35e-06	-0.16	7.30e-06	-3.34e-04	0.0
343	7	8.18e-04	0.02	-0.14	-1.51e-04	-2.17e-04	0.0
343	12	-2.10e-03	-9.30e-04	-0.14	1.37e-05	-2.39e-04	0.0
343	16	-2.02e-03	7.89e-04	-0.14	-2.93e-06	-2.38e-04	0.0
343	30	-4.65e-04	2.89e-03	-0.14	-2.26e-05	-2.24e-04	0.0
343	44	-1.02e-03	-4.50e-04	-0.14	9.24e-06	-2.28e-04	0.0
343	48	-9.74e-04	3.82e-04	-0.14	1.18e-06	-2.28e-04	0.0
343	62	-2.25e-04	1.40e-03	-0.14	-8.33e-06	-2.21e-04	0.0
344	1	0.02	-9.69e-06	-0.14	3.77e-06	-1.09e-04	0.0
344	2	-0.02	9.54e-06	-0.21	1.20e-05	-4.57e-04	0.0
344	3	1.53e-03	0.03	-0.19	-2.25e-04	-2.81e-04	0.0
344	6	-0.01	6.38e-06	-0.16	8.84e-06	-3.34e-04	0.0
344	7	1.02e-03	0.02	-0.14	-1.49e-04	-2.16e-04	0.0
344	12	-2.12e-03	-9.30e-04	-0.14	1.49e-05	-2.38e-04	0.0
344	16	-2.01e-03	7.90e-04	-0.14	-1.76e-06	-2.38e-04	0.0

344	30	-4.28e-04	2.89e-03	-0.14	-2.14e-05	-2.24e-04	0.0
344	44	-1.02e-03	-4.50e-04	-0.14	1.04e-05	-2.28e-04	0.0
344	48	-9.70e-04	3.82e-04	-0.14	2.30e-06	-2.28e-04	0.0
344	62	-2.07e-04	1.40e-03	-0.14	-7.22e-06	-2.21e-04	0.0
345	1	0.02	0.0	-0.14	0.0	-1.10e-04	0.0
345	2	-0.02	0.0	-0.21	0.0	-4.58e-04	0.0
345	4	-1.32e-06	-0.03	-0.18	2.34e-04	-2.84e-04	0.0
345	5	0.01	0.0	-0.11	0.0	-1.02e-04	0.0
345	6	-0.01	0.0	-0.16	0.0	-3.34e-04	0.0
345	8	0.0	-0.02	-0.14	1.56e-04	-2.19e-04	0.0
345	15	-2.05e-03	7.40e-04	-0.14	-8.54e-06	-2.39e-04	0.0
345	28	-6.14e-04	-2.89e-03	-0.14	2.78e-05	-2.25e-04	0.0
345	47	-9.88e-04	3.58e-04	-0.14	-4.13e-06	-2.28e-04	0.0
345	60	-2.97e-04	-1.40e-03	-0.14	1.34e-05	-2.21e-04	0.0
346	1	0.02	8.12e-06	-0.14	-3.06e-06	-1.09e-04	0.0
346	2	-0.02	-7.99e-06	-0.21	-9.95e-06	-4.58e-04	0.0
346	4	1.23e-03	-0.03	-0.19	2.27e-04	-2.82e-04	0.0
346	6	-0.01	-5.34e-06	-0.16	-7.30e-06	-3.34e-04	0.0
346	8	8.18e-04	-0.02	-0.14	1.51e-04	-2.17e-04	0.0
346	10	-2.02e-03	-7.89e-04	-0.14	2.93e-06	-2.38e-04	0.0
346	14	-2.10e-03	9.30e-04	-0.14	-1.37e-05	-2.39e-04	0.0
346	28	-4.65e-04	-2.89e-03	-0.14	2.26e-05	-2.24e-04	0.0
346	42	-9.74e-04	-3.82e-04	-0.14	-1.18e-06	-2.28e-04	0.0
346	46	-1.02e-03	4.50e-04	-0.14	-9.24e-06	-2.28e-04	0.0
346	60	-2.25e-04	-1.40e-03	-0.14	8.32e-06	-2.21e-04	0.0
347	1	0.02	6.01e-06	-0.14	-2.18e-06	-1.10e-04	0.0
347	2	-0.02	-5.92e-06	-0.21	-7.24e-06	-4.58e-04	0.0
347	4	8.67e-04	-0.03	-0.18	2.29e-04	-2.82e-04	0.0
347	5	0.01	4.00e-06	-0.11	-1.94e-06	-1.02e-04	0.0
347	6	-0.01	-3.95e-06	-0.16	-5.32e-06	-3.34e-04	0.0
347	8	5.78e-04	-0.02	-0.14	1.52e-04	-2.17e-04	0.0
347	10	-2.02e-03	-7.89e-04	-0.14	4.42e-06	-2.39e-04	0.0
347	14	-2.09e-03	9.30e-04	-0.14	-1.23e-05	-2.39e-04	0.0
347	28	-5.09e-04	-2.89e-03	-0.14	2.40e-05	-2.24e-04	0.0
347	42	-9.78e-04	-3.82e-04	-0.14	0.0	-2.28e-04	0.0
347	46	-1.01e-03	4.50e-04	-0.14	-7.81e-06	-2.28e-04	0.0
347	60	-2.46e-04	-1.40e-03	-0.14	9.74e-06	-2.21e-04	0.0
348	1	0.02	-6.03e-06	-0.14	2.18e-06	-1.10e-04	0.0
348	2	-0.02	5.93e-06	-0.21	7.24e-06	-4.58e-04	0.0
348	3	8.67e-04	0.03	-0.18	-2.29e-04	-2.82e-04	0.0
348	5	0.01	-4.01e-06	-0.11	1.94e-06	-1.02e-04	0.0
348	6	-0.01	3.97e-06	-0.16	5.31e-06	-3.34e-04	0.0
348	7	5.78e-04	0.02	-0.14	-1.52e-04	-2.17e-04	0.0
348	12	-2.09e-03	-9.30e-04	-0.14	1.23e-05	-2.39e-04	0.0
348	16	-2.02e-03	7.89e-04	-0.14	-4.42e-06	-2.39e-04	0.0
348	30	-5.09e-04	2.89e-03	-0.14	-2.40e-05	-2.24e-04	0.0
348	44	-1.01e-03	-4.50e-04	-0.14	7.81e-06	-2.28e-04	0.0
348	48	-9.78e-04	3.82e-04	-0.14	0.0	-2.28e-04	0.0
348	62	-2.46e-04	1.40e-03	-0.14	-9.74e-06	-2.21e-04	0.0
349	2	-0.02	-1.42e-05	-0.21	-1.81e-05	-4.56e-04	0.0
349	4	2.76e-03	-0.03	-0.20	2.20e-04	-2.78e-04	0.0
349	6	-0.01	-9.47e-06	-0.16	-1.33e-05	-3.33e-04	0.0
349	8	1.84e-03	-0.02	-0.15	1.45e-04	-2.14e-04	0.0
349	10	-1.98e-03	-7.90e-04	-0.14	-1.76e-06	-2.37e-04	0.0
349	14	-2.17e-03	9.29e-04	-0.14	-1.83e-05	-2.38e-04	0.0
349	28	-2.80e-04	-2.89e-03	-0.14	1.80e-05	-2.23e-04	0.0

349	42	-9.56e-04	-3.82e-04	-0.14	-5.69e-06	-2.27e-04	0.0
349	46	-1.05e-03	4.49e-04	-0.14	-1.37e-05	-2.27e-04	0.0
349	60	-1.35e-04	-1.40e-03	-0.14	3.85e-06	-2.20e-04	0.0
350	2	-0.02	1.42e-05	-0.21	1.81e-05	-4.56e-04	0.0
350	3	2.76e-03	0.03	-0.20	-2.20e-04	-2.78e-04	0.0
350	6	-0.01	9.48e-06	-0.16	1.33e-05	-3.33e-04	0.0
350	7	1.84e-03	0.02	-0.15	-1.45e-04	-2.14e-04	0.0
350	12	-2.17e-03	-9.29e-04	-0.14	1.83e-05	-2.38e-04	0.0
350	16	-1.98e-03	7.90e-04	-0.14	1.76e-06	-2.37e-04	0.0
350	30	-2.80e-04	2.89e-03	-0.14	-1.80e-05	-2.23e-04	0.0
350	44	-1.05e-03	-4.49e-04	-0.14	1.37e-05	-2.27e-04	0.0
350	48	-9.56e-04	3.82e-04	-0.14	5.69e-06	-2.27e-04	0.0
350	62	-1.35e-04	1.40e-03	-0.14	-3.85e-06	-2.20e-04	0.0

Nodo	**Traslazione X**	**Traslazione Y**	**Traslazione Z**	**Rotazione X**	**Rotazione Y**	**Rotazione Z**
	-0.29	-0.16	-0.21	-4.08e-04	-5.67e-04	-4.58e-05
	0.02	0.16	-0.04	4.09e-04	-4.14e-05	4.01e-05

Nodo	**Cmb**	**Azione X**	**Azione Y**	**Azione Z**	**Azione RX**	**Azione RY**	**Azione RZ**
		daN	daN	daN	daN cm	daN cm	daN cm

Nodo	**Azione X**	**Azione Y**	**Azione Z**	**Azione RX**	**Azione RY**	**Azione RZ**

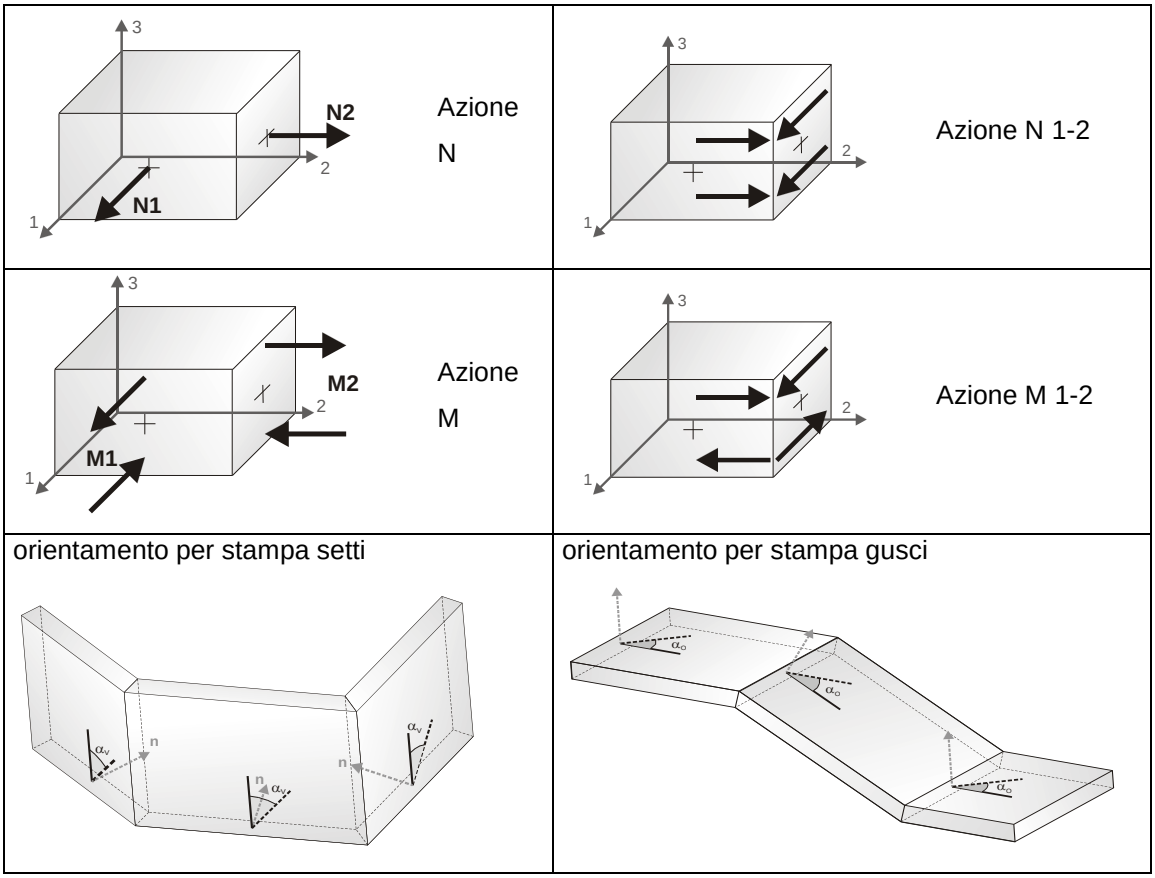
Nodo	**Cmb**	**Azione X**	**Azione Y**	**Azione Z**	**Azione RX**	**Azione RY**	**Azione RZ**
		daN	daN	daN	daN cm	daN cm	daN cm

RISULTATI ELEMENTI TIPO SHELL

LEGENDA RISULTATI ELEMENTI TIPO SHELL

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

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



In particolare vengono riportati in ogni nodo di un elemento per ogni combinazione:

tensione di Von Mises		(valore riassuntivo del complessivo stato di sollecitazione)
N max		sforzo membranale principale massimo
N min		sforzo membranale principale minimo
M max		sforzo flessionale principale massimo
M min		sforzo flessionale principale minimo
N1	**N2**	sforzi membranali e flessionali in direzione locale 1 e 2 dell'elemento
N1-2	**M1**	(lo sforzo 2-1 è uguale allo sforzo 1-2 per la reciprocità delle tensioni
M2	**M1-2**	tangenziali)

I suddetti risultati possono a scelta del progettista essere preceduti o sostituiti da valori di sollecitazione non più riferiti al sistema locale dell'elemento ma al sistema globale.

In questo caso gli elementi vengono raggruppati in gruppi (M_S: macro gusci o macro setti, raggruppati per materiale, spessore, e posizione fisica) per la valutazione dei valori mediati ai nodi appartenenti agli elementi dei gruppi stessi.

I valori di sollecitazione sono, in questo caso, riferiti ad una terna specifica del gruppo ruotata di α_O attorno all'asse Z per i gusci e ruotata di α_V attorno alla normale (che per definizione è orizzontale) al piano del setto.

Per i setti, in particolare, se α_V è zero, l'asse '1-1 rappresenta la verticale e l'asse '2-2 l'orizzontale contenuta nel setto. Le azioni sui setti possono essere espresse anche con formato macro, cioè riferite all'intero macroelemento.

In particolare vengono riportati per ogni quota Z dei nodi e per ogni combinazione i seguenti valori:

N memb.	Azione membranale complessiva agente sulla parete in direzione Z
V memb.	Azione complessiva di taglio agente nel piano del macroelemento
V orto	Azione complessiva di taglio agente in direzione perpendicolare al macroelemento
M memb.	Azione flessionale complessiva agente nel piano del macroelemento
M orto	Azione flessionale complessiva agente in direzione perpendicolare al macroelemento
T	Azione torsionale complessiva agente nel piano orizzontale

Elem.	Cmb	Nodo	Von Mises	N max	N min	N 1	N 2	N 1-2	M max	M min	M 1	M 2	M 1-2
			daN/cm2	daN/cm	daN/cm	daN/cm	daN/cm	daN/cm	daN	daN	daN	daN	daN
1	4	248	1.86	1.51	-1.95	-0.30	-0.14	1.73	-60.50	-509.69	-178.90	-391.29	197.91
		141	1.65	1.12	-1.72	-0.21	-0.40	1.42	12.71	-419.78	-86.35	-320.72	181.74
		89	1.66	1.62	-1.26	8.77e-03	0.35	1.43	24.46	-417.04	-104.93	-287.65	200.96
		249	1.90	1.51	-1.52	-0.08	0.07	1.52	-14.89	-500.39	-200.26	-315.01	235.87
1	8	248	1.31	1.01	-1.30	-0.20	-0.09	1.15	-63.55	-366.27	-139.71	-290.10	131.37
		141	1.16	0.75	-1.15	-0.14	-0.26	0.95	-6.07	-303.32	-68.44	-240.95	121.03
		89	1.16	1.08	-0.84	4.36e-03	0.24	0.95	0.33	-301.95	-80.79	-220.83	133.94
		249	1.33	1.01	-1.01	-0.06	0.06	1.01	-34.74	-361.04	-154.20	-241.59	157.19
1	20	248	0.81	0.16	-0.24	-0.21	0.13	0.11	-167.52	-243.28	-167.53	-243.27	0.85
		141	0.73	0.16	-0.22	-0.20	0.13	0.09	-94.80	-223.72	-94.93	-223.60	4.05
		89	0.78	0.16	-0.24	-0.22	0.14	0.09	-94.70	-238.40	-95.00	-238.10	6.55
		249	0.86	0.16	-0.27	-0.24	0.13	0.10	-169.24	-261.32	-169.69	-260.87	6.45
1	52	248	0.77	0.10	-0.13	-0.11	0.09	0.06	-160.16	-230.94	-160.20	-230.89	-1.80
		141	0.70	0.09	-0.11	-0.10	0.08	0.05	-87.99	-213.24	-88.01	-213.23	1.46
		89	0.75	0.09	-0.12	-0.11	0.08	0.04	-87.83	-227.76	-87.90	-227.69	3.06
		249	0.82	0.10	-0.14	-0.13	0.09	0.05	-162.09	-248.55	-162.19	-248.45	2.90
2	3	7	57.95	-10.25	-57.79	-14.91	-53.12	-14.14	-0.19	-1.07	-0.64	-0.62	-0.44
		6	59.47	-12.61	-62.81	-19.32	-56.11	17.08	1.36	3.26e-03	0.36	1.01	0.59
		5	142.59	59.19	-97.50	-7.86	-30.45	-77.52	-0.12	-2.43	-0.14	-2.41	-0.21
		8	162.42	43.10	-128.00	-16.24	-68.66	81.44	0.31	-1.31	0.03	-1.04	0.61
2	7	7	38.63	-6.95	-38.74	-10.06	-35.63	-9.44	-0.10	-0.69	-0.42	-0.37	-0.29
		6	40.14	-8.53	-42.22	-12.96	-37.79	11.38	0.93	8.41e-03	0.23	0.70	0.40
		5	96.13	39.53	-65.87	-5.42	-20.92	-52.12	-0.07	-1.67	-0.09	-1.66	-0.15
		8	109.09	29.03	-85.81	-10.94	-45.84	54.70	0.19	-0.93	0.02	-0.75	0.41
2	40	7	8.96	-1.20	-8.57	-1.20	-8.57	-0.16	0.19	0.05	0.06	0.18	-0.04
		6	10.23	-0.87	-9.92	-0.87	-9.92	-0.04	0.11	-0.02	-0.02	0.11	-8.89e-03
		5	15.53	-0.52	-12.62	-1.52	-11.63	-3.32	0.03	-0.53	0.02	-0.52	-0.07
		8	11.75	0.23	-8.71	-1.00	-7.48	3.07	-8.34e-03	-0.58	-8.34e-03	-0.58	6.04e-04
2	72	7	5.85	-1.05	-4.96	-1.05	-4.96	-0.15	0.25	0.06	0.06	0.25	-0.03
		6	7.08	-0.72	-6.31	-0.72	-6.31	-0.03	0.18	-0.02	-0.02	0.17	-5.32e-03
		5	12.03	-0.05	-9.40	-1.43	-8.02	-3.31	0.03	-0.47	0.02	-0.46	-0.06
		8	8.44	1.03	-5.81	-0.90	-3.87	3.08	-8.12e-03	-0.51	-8.14e-03	-0.51	3.50e-03

3	3	9	56.94	-11.84	-59.29	-19.08	-52.06	-17.06	1.53	0.16	0.49	1.20	-0.59
		7	57.59	-9.33	-56.98	-13.61	-52.70	13.62	-0.33	-1.06	-0.65	-0.73	0.36
		8	161.23	38.76	-129.17	-17.17	-73.23	-79.15	0.39	-1.30	0.02	-0.93	-0.70
		10	135.12	59.76	-90.04	-7.13	-23.16	74.47	-0.08	-2.50	-0.09	-2.49	0.15
3	7	9	38.44	-8.02	-39.87	-12.80	-35.09	-11.37	1.04	0.11	0.33	0.83	-0.39
		7	38.38	-6.34	-38.20	-9.19	-35.34	9.10	-0.19	-0.68	-0.43	-0.45	0.25
		8	108.30	26.13	-86.58	-11.56	-48.89	-53.18	0.25	-0.91	0.01	-0.68	-0.47
		10	91.13	39.90	-60.89	-4.93	-16.06	50.09	-0.05	-1.72	-0.06	-1.72	0.11
3	31	9	9.97	-0.87	-9.66	-0.87	-9.66	-0.01	0.11	-0.01	-0.01	0.11	2.51e-03
		7	8.72	-1.19	-8.32	-1.19	-8.32	0.08	0.19	0.07	0.07	0.18	0.02
		8	11.58	0.29	-8.53	-1.00	-7.24	-3.12	-7.40e-03	-0.57	-7.58e-03	-0.57	-0.01
		10	15.25	-0.55	-12.34	-1.52	-11.36	3.25	0.03	-0.54	0.02	-0.53	0.06
3	63	9	6.96	-0.72	-6.18	-0.72	-6.18	0.01	0.18	-0.01	-0.01	0.18	1.83e-03
		7	5.75	-1.04	-4.84	-1.05	-4.84	0.11	0.25	0.06	0.07	0.25	0.03
		8	8.38	1.07	-5.74	-0.91	-3.76	-3.10	-7.31e-03	-0.51	-7.45e-03	-0.51	-8.14e-03
		10	11.90	-0.06	-9.25	-1.43	-7.88	3.27	0.03	-0.47	0.02	-0.46	0.06
4	2	11	61.70	-9.95	-60.81	-14.15	-56.61	-14.00	-0.46	-1.26	-0.86	-0.87	-0.40
		9	58.36	-12.57	-61.43	-20.18	-53.82	17.71	1.62	0.10	0.52	1.21	0.68
		10	140.11	63.63	-92.82	-6.86	-22.32	-77.84	-0.16	-2.56	-0.16	-2.55	-0.10
		12	168.82	40.46	-135.63	-17.70	-77.47	82.82	0.45	-1.27	0.05	-0.87	0.73
4	6	11	41.51	-6.79	-41.10	-9.57	-38.32	-9.36	-0.29	-0.84	-0.58	-0.55	-0.27
		9	39.46	-8.56	-41.39	-13.64	-36.31	11.87	1.12	0.07	0.35	0.84	0.46
		10	94.67	42.93	-62.72	-4.70	-15.09	-52.57	-0.11	-1.77	-0.11	-1.76	-0.06
		12	114.14	27.26	-91.62	-11.99	-52.37	55.91	0.29	-0.89	0.03	-0.63	0.49
4	15	11	11.06	-1.28	-11.06	-1.28	-11.06	-0.05	0.09	-0.07	-0.05	0.07	-0.04
		9	10.28	-1.59	-9.99	-1.63	-9.95	0.60	0.20	-0.01	7.98e-03	0.18	0.06
		10	14.12	1.37	-10.71	-1.10	-8.25	-4.86	-0.02	-0.60	-0.02	-0.60	-7.35e-03
		12	17.65	0.65	-14.41	-1.62	-12.14	5.39	0.01	-0.53	5.51e-03	-0.53	0.06
4	47	11	8.04	-1.14	-7.61	-1.15	-7.60	-0.14	0.15	-0.06	-0.05	0.14	-0.04
		9	7.29	-1.45	-6.54	-1.50	-6.49	0.51	0.26	-9.15e-03	7.58e-03	0.24	0.06
		10	11.44	2.41	-8.20	-1.01	-4.79	-4.95	-0.02	-0.53	-0.02	-0.53	-6.99e-03
		12	14.58	1.29	-11.50	-1.53	-8.68	5.30	0.01	-0.47	5.66e-03	-0.46	0.06
5	2	11	61.71	-9.95	-60.81	-14.15	-56.61	-14.00	1.26	0.46	0.86	0.87	0.40
		13	58.36	-12.57	-61.43	-20.18	-53.82	17.71	-0.10	-1.62	-0.52	-1.21	-0.68
		14	140.11	63.63	-92.82	-6.86	-22.32	-77.84	2.56	0.16	0.16	2.55	0.10
		12	168.82	40.46	-135.63	-17.70	-77.47	82.82	1.27	-0.45	-0.05	0.87	-0.73
5	6	11	41.51	-6.79	-41.10	-9.57	-38.32	-9.36	0.84	0.29	0.58	0.55	0.27
		13	39.46	-8.56	-41.39	-13.64	-36.31	11.87	-0.07	-1.12	-0.35	-0.84	-0.46
		14	94.67	42.93	-62.72	-4.70	-15.09	-52.57	1.77	0.11	0.11	1.76	0.06
		12	114.14	27.26	-91.62	-11.99	-52.37	55.91	0.89	-0.29	-0.03	0.63	-0.49
5	9	11	11.06	-1.28	-11.06	-1.28	-11.06	-0.05	0.07	-0.09	0.05	-0.07	0.04
		13	10.28	-1.59	-9.99	-1.63	-9.95	0.60	0.01	-0.20	-7.97e-03	-0.18	-0.06
		14	14.12	1.37	-10.71	-1.10	-8.25	-4.86	0.60	0.02	0.02	0.60	7.36e-03
		12	17.65	0.65	-14.41	-1.62	-12.14	5.39	0.53	-0.01	-5.52e-03	0.53	-0.06
5	41	11	8.04	-1.14	-7.61	-1.15	-7.60	-0.14	0.06	-0.15	0.05	-0.14	0.04
		13	7.29	-1.45	-6.54	-1.50	-6.49	0.51	9.15e-03	-0.26	-7.57e-03	-0.24	-0.06
		14	11.44	2.41	-8.20	-1.01	-4.79	-4.95	0.53	0.02	0.02	0.53	7.00e-03
		12	14.58	1.29	-11.50	-1.53	-8.68	5.30	0.47	-0.01	-5.66e-03	0.46	-0.06
6	4	13	56.94	-11.84	-59.29	-19.08	-52.06	-17.06	-0.16	-1.53	-0.49	-1.20	0.59
		15	57.59	-9.33	-56.98	-13.61	-52.70	13.62	1.06	0.33	0.65	0.73	-0.36
		16	161.23	38.76	-129.17	-17.17	-73.23	-79.15	1.30	-0.39	-0.02	0.93	0.70
		14	135.12	59.76	-90.04	-7.13	-23.16	74.47	2.50	0.08	0.09	2.49	-0.15
6	8	13	38.44	-8.02	-39.87	-12.80	-35.09	-11.37	-0.11	-1.04	-0.33	-0.83	0.39
		15	38.38	-6.34	-38.20	-9.19	-35.34	9.10	0.68	0.19	0.43	0.45	-0.25
		16	108.30	26.13	-86.58	-11.56	-48.89	-53.18	0.91	-0.25	-0.01	0.68	0.47
		14	91.13	39.90	-60.89	-4.93	-16.06	50.09	1.72	0.05	0.06	1.72	-0.11

6	25	13	9.97	-0.87	-9.66	-0.87	-9.66	-0.01	0.01	-0.11	0.01	-0.11	-2.48e-03
		15	8.73	-1.19	-8.32	-1.19	-8.32	0.08	-0.07	-0.19	-0.07	-0.18	-0.02
		16	11.58	0.29	-8.53	-1.00	-7.24	-3.12	0.57	7.40e-03	7.59e-03	0.57	0.01
		14	15.25	-0.55	-12.34	-1.52	-11.36	3.24	0.54	-0.03	-0.02	0.53	-0.06
6	57	13	6.96	-0.72	-6.18	-0.72	-6.18	0.01	0.01	-0.18	0.01	-0.18	-1.80e-03
		15	5.75	-1.04	-4.84	-1.05	-4.84	0.11	-0.06	-0.25	-0.07	-0.25	-0.03
		16	8.38	1.07	-5.74	-0.91	-3.76	-3.09	0.51	7.32e-03	7.45e-03	0.51	8.14e-03
		14	11.90	-0.06	-9.25	-1.43	-7.88	3.27	0.47	-0.03	-0.02	0.46	-0.06
7	4	15	57.95	-10.25	-57.78	-14.91	-53.12	-14.14	1.07	0.19	0.64	0.62	0.44
		17	59.47	-12.61	-62.81	-19.32	-56.11	17.08	-3.20e-03	-1.36	-0.36	-1.01	-0.59
		18	142.59	59.19	-97.50	-7.86	-30.45	-77.52	2.43	0.12	0.14	2.41	0.21
		16	162.42	43.10	-128.00	-16.24	-68.66	81.44	1.31	-0.31	-0.03	1.04	-0.61
7	8	15	38.63	-6.95	-38.74	-10.06	-35.63	-9.44	0.69	0.10	0.42	0.37	0.29
		17	40.14	-8.53	-42.22	-12.96	-37.79	11.38	-8.37e-03	-0.93	-0.23	-0.70	-0.40
		18	96.13	39.53	-65.86	-5.42	-20.92	-52.12	1.67	0.07	0.09	1.66	0.15
		16	109.09	29.03	-85.81	-10.94	-45.84	54.70	0.93	-0.19	-0.02	0.75	-0.41
7	34	15	8.96	-1.20	-8.57	-1.20	-8.57	-0.16	-0.05	-0.19	-0.06	-0.18	0.04
		17	10.23	-0.87	-9.92	-0.87	-9.92	-0.04	0.02	-0.11	0.02	-0.11	8.86e-03
		18	15.53	-0.52	-12.62	-1.52	-11.63	-3.32	0.53	-0.03	-0.02	0.52	0.07
		16	11.75	0.23	-8.71	-1.00	-7.48	3.07	0.58	8.34e-03	8.34e-03	0.58	-6.18e-04
7	66	15	5.85	-1.05	-4.96	-1.05	-4.96	-0.15	-0.06	-0.25	-0.06	-0.25	0.03
		17	7.08	-0.72	-6.31	-0.72	-6.31	-0.03	0.02	-0.17	0.02	-0.17	5.30e-03
		18	12.03	-0.05	-9.40	-1.43	-8.02	-3.31	0.47	-0.03	-0.02	0.46	0.06
		16	8.44	1.03	-5.81	-0.90	-3.87	3.08	0.51	8.11e-03	8.14e-03	0.51	-3.52e-03
8	1	17	58.85	-12.86	-61.74	-20.62	-53.98	-17.87	-0.11	-1.72	-0.53	-1.29	0.71
		19	63.25	-10.11	-62.28	-14.17	-58.22	13.96	1.33	0.51	0.92	0.92	-0.41
		20	172.16	40.30	-138.86	-18.22	-80.34	-84.02	1.29	-0.48	-0.05	0.86	0.76
		18	140.98	65.42	-92.66	-6.72	-20.52	78.74	2.64	0.19	0.19	2.64	-0.06
8	5	17	39.79	-8.75	-41.60	-13.93	-36.42	-11.97	-0.08	-1.18	-0.36	-0.90	0.48
		19	42.55	-6.89	-42.08	-9.58	-39.40	9.34	0.88	0.33	0.62	0.58	-0.28
		20	116.36	27.16	-93.78	-12.34	-54.29	-56.72	0.91	-0.32	-0.03	0.62	0.51
		18	95.26	44.12	-62.62	-4.60	-13.89	53.17	1.82	0.13	0.13	1.82	-0.04
8	18	17	10.34	-1.65	-10.11	-1.70	-10.06	-0.63	0.02	-0.19	3.75e-04	-0.17	0.07
		19	11.11	-1.35	-11.16	-1.35	-11.16	0.07	0.07	-0.08	0.06	-0.07	-0.04
		20	17.71	0.66	-14.51	-1.61	-12.24	-5.42	0.52	-0.01	-5.38e-03	0.52	0.06
		18	14.20	1.37	-10.82	-1.09	-8.36	4.89	0.59	0.02	0.02	0.59	-4.29e-03
8	50	17	7.31	-1.47	-6.61	-1.53	-6.55	-0.54	0.01	-0.25	-3.39e-03	-0.23	0.07
		19	8.05	-1.18	-7.66	-1.18	-7.65	0.16	0.07	-0.14	0.06	-0.13	-0.04
		20	14.60	1.31	-11.56	-1.52	-8.73	-5.33	0.46	-0.01	-5.65e-03	0.45	0.06
		18	11.49	2.41	-8.26	-1.00	-4.85	4.98	0.53	0.02	0.02	0.53	-5.43e-03
9	1	6	58.85	-12.86	-61.74	-20.62	-53.98	-17.87	1.72	0.11	0.53	1.29	-0.71
		19	63.24	-10.11	-62.28	-14.17	-58.22	13.96	-0.51	-1.33	-0.92	-0.91	0.41
		20	172.16	40.30	-138.86	-18.22	-80.34	-84.02	0.48	-1.29	0.05	-0.86	-0.76
		5	140.98	65.42	-92.66	-6.72	-20.53	78.74	-0.19	-2.64	-0.19	-2.64	0.06
9	5	6	39.79	-8.75	-41.60	-13.93	-36.42	-11.97	1.18	0.08	0.36	0.90	-0.48
		19	42.55	-6.89	-42.08	-9.58	-39.40	9.34	-0.33	-0.88	-0.62	-0.58	0.28
		20	116.36	27.16	-93.78	-12.34	-54.29	-56.72	0.32	-0.91	0.03	-0.62	-0.51
		5	95.26	44.12	-62.62	-4.60	-13.89	53.17	-0.13	-1.82	-0.13	-1.82	0.04
9	24	6	10.34	-1.65	-10.11	-1.70	-10.06	-0.63	0.19	-0.02	-3.86e-04	0.17	-0.07
		19	11.11	-1.35	-11.16	-1.35	-11.16	0.07	0.08	-0.07	-0.06	0.07	0.04
		20	17.71	0.67	-14.51	-1.61	-12.24	-5.42	0.01	-0.52	5.37e-03	-0.52	-0.06
		5	14.20	1.37	-10.82	-1.09	-8.36	4.89	-0.02	-0.59	-0.02	-0.59	4.28e-03
9	56	6	7.31	-1.47	-6.61	-1.53	-6.55	-0.54	0.25	-0.01	3.38e-03	0.23	-0.07
		19	8.05	-1.18	-7.66	-1.18	-7.65	0.16	0.14	-0.07	-0.06	0.13	0.04
		20	14.60	1.31	-11.56	-1.52	-8.73	-5.33	0.01	-0.46	5.64e-03	-0.45	-0.06
		5	11.49	2.41	-8.26	-1.00	-4.85	4.98	-0.02	-0.53	-0.02	-0.53	5.43e-03

10	3	22	58.85	0.21	-54.94	0.13	-54.87	-2.05	-1.26	-1.39	-1.39	-1.26	-1.36e-03
		21	42.82	-0.08	-41.48	-1.03	-40.53	6.20	1.22	0.26	0.96	0.51	0.43
		6	53.26	2.61	-48.66	2.28	-48.33	4.05	0.04	-0.56	0.03	-0.55	-0.07
		7	66.54	-0.27	-56.76	-0.27	-56.76	0.48	1.48	-0.50	-0.44	1.42	0.35
10	7	22	39.43	0.11	-36.85	0.07	-36.81	-1.28	-0.83	-0.92	-0.92	-0.83	-5.22e-03
		21	28.82	-0.11	-28.03	-0.70	-27.43	4.03	0.82	0.18	0.64	0.35	0.28
		6	35.99	1.78	-32.87	1.55	-32.64	2.78	0.02	-0.38	0.02	-0.37	-0.05
		7	44.51	-0.14	-38.03	-0.14	-38.03	0.21	0.98	-0.33	-0.29	0.94	0.24
10	38	22	8.85	0.19	-8.06	0.14	-8.00	0.66	0.16	0.07	0.08	0.15	-0.03
		21	10.34	0.26	-9.41	0.20	-9.35	-0.74	0.13	-0.01	-0.01	0.13	7.21e-03
		6	9.76	-0.01	-9.48	-0.06	-9.44	0.66	0.07	-0.05	-7.35e-03	0.03	-0.06
		7	7.89	0.10	-7.81	0.03	-7.74	-0.77	0.06	0.01	0.05	0.02	0.02
10	72	22	5.32	0.07	-4.84	-0.01	-4.76	0.62	0.13	0.06	0.08	0.10	-0.03
		21	6.83	0.15	-6.21	0.05	-6.11	-0.78	0.09	-0.01	-9.54e-03	0.09	7.27e-03
		6	6.39	0.15	-6.25	0.09	-6.19	0.62	0.04	-0.06	-6.28e-03	-0.01	-0.05
		7	5.04	0.31	-4.63	0.17	-4.49	-0.81	0.06	-0.03	0.05	-0.02	0.02
11	3	23	39.46	-0.19	-38.04	-1.19	-37.05	-6.06	1.42	0.39	1.17	0.64	-0.44
		22	59.32	0.26	-54.83	0.22	-54.80	1.38	-1.34	-1.41	-1.39	-1.36	-0.03
		7	67.48	-0.34	-56.97	-0.35	-56.96	-0.71	1.63	-0.52	-0.44	1.54	-0.41
		9	50.23	2.97	-44.41	2.54	-43.97	-4.50	0.18	-0.65	0.17	-0.65	0.07
11	7	23	26.58	-0.19	-25.73	-0.81	-25.11	-3.93	0.95	0.26	0.78	0.43	-0.30
		22	39.74	0.15	-36.78	0.13	-36.76	0.84	-0.89	-0.93	-0.92	-0.90	-0.02
		7	45.13	-0.19	-38.17	-0.19	-38.17	-0.36	1.08	-0.34	-0.29	1.02	-0.28
		9	33.96	2.02	-30.03	1.72	-29.74	-3.08	0.12	-0.44	0.11	-0.44	0.06
11	30	23	10.06	0.22	-9.16	0.19	-9.12	0.56	0.13	5.12e-03	5.70e-03	0.13	-8.57e-03
		22	8.64	0.22	-7.87	0.13	-7.78	-0.85	0.16	0.09	0.10	0.15	0.03
		7	7.67	0.08	-7.56	0.03	-7.52	0.60	0.08	3.06e-04	0.06	0.02	-0.03
		9	9.60	0.03	-9.28	-0.05	-9.20	-0.86	0.07	-0.03	3.23e-03	0.04	0.05
11	62	23	6.67	0.12	-6.07	0.04	-6.00	0.68	0.09	-1.94e-03	-1.17e-03	0.09	-8.34e-03
		22	5.26	0.10	-4.77	-0.02	-4.66	-0.73	0.13	0.07	0.09	0.10	0.03
		7	4.95	0.29	-4.50	0.18	-4.39	0.71	0.07	-0.04	0.06	-0.03	-0.03
		9	6.34	0.18	-6.16	0.09	-6.08	-0.74	0.05	-0.05	-8.84e-04	-7.35e-03	0.05
12	2	24	62.26	0.44	-57.95	0.39	-57.89	-1.82	-1.42	-1.67	-1.67	-1.43	0.02
		23	41.51	-0.05	-39.67	-1.25	-38.48	6.78	1.44	0.32	1.15	0.61	0.49
		9	51.67	2.92	-45.75	2.53	-45.35	4.37	0.16	-0.66	0.16	-0.66	-0.02
		11	71.93	-0.55	-60.84	-0.57	-60.83	1.05	1.64	-0.70	-0.63	1.57	0.40
12	6	24	42.05	0.29	-39.19	0.25	-39.15	-1.14	-0.95	-1.12	-1.12	-0.95	6.91e-03
		23	27.98	-0.08	-26.84	-0.86	-26.07	4.48	0.97	0.22	0.77	0.42	0.33
		9	34.96	2.00	-30.91	1.72	-30.64	3.00	0.11	-0.45	0.11	-0.45	-0.01
		11	48.57	-0.35	-41.16	-0.36	-41.15	0.63	1.09	-0.47	-0.43	1.04	0.27
12	14	24	11.01	0.25	-10.22	0.23	-10.19	0.55	0.07	-0.08	-0.07	0.07	-0.03
		23	10.14	0.09	-9.11	0.08	-9.11	-0.26	0.17	-0.02	-1.82e-03	0.16	0.05
		9	9.18	0.09	-9.06	0.04	-9.01	0.70	4.49e-03	-0.03	-4.95e-03	-0.02	-0.01
		11	11.06	-0.10	-10.50	-0.12	-10.48	-0.50	0.08	-0.06	-0.04	0.07	0.04
12	46	24	7.61	0.13	-7.14	0.10	-7.10	0.53	0.03	-0.08	-0.07	0.02	-0.03
		23	6.75	-0.04	-6.02	-0.05	-6.01	-0.27	0.13	-0.02	-3.51e-03	0.11	0.05
		9	6.44	0.25	-5.99	0.17	-5.91	0.69	-2.24e-03	-0.06	-5.33e-03	-0.06	-0.01
		11	7.80	0.05	-7.42	0.01	-7.38	-0.51	0.04	-0.06	-0.04	0.03	0.04
13	2	24	62.26	0.44	-57.95	0.39	-57.89	-1.82	1.67	1.42	1.67	1.43	-0.02
		25	41.51	-0.05	-39.67	-1.25	-38.48	6.78	-0.32	-1.44	-1.15	-0.61	-0.49
		13	51.67	2.92	-45.75	2.52	-45.35	4.37	0.66	-0.16	-0.16	0.66	0.02
		11	71.93	-0.55	-60.84	-0.57	-60.83	1.05	0.70	-1.64	0.63	-1.57	-0.40
13	6	24	42.05	0.29	-39.19	0.25	-39.15	-1.14	1.12	0.95	1.12	0.95	-6.88e-03
		25	27.98	-0.08	-26.84	-0.86	-26.07	4.48	-0.22	-0.97	-0.77	-0.42	-0.33
		13	34.97	2.00	-30.91	1.72	-30.64	3.00	0.45	-0.11	-0.11	0.45	0.01
		11	48.57	-0.35	-41.16	-0.36	-41.15	0.63	0.47	-1.09	0.43	-1.04	-0.27

13	12	24	11.01	0.25	-10.22	0.23	-10.19	0.55	0.08	-0.07	0.07	-0.07	0.03
		25	10.14	0.09	-9.11	0.08	-9.11	-0.26	0.02	-0.17	1.84e-03	-0.16	-0.05
		13	9.18	0.09	-9.06	0.04	-9.01	0.70	0.03	-4.45e-03	4.97e-03	0.02	0.01
		11	11.06	-0.10	-10.50	-0.12	-10.48	-0.50	0.06	-0.08	0.04	-0.07	-0.04
13	44	24	7.61	0.13	-7.14	0.10	-7.10	0.53	0.08	-0.03	0.07	-0.02	0.03
		25	6.75	-0.04	-6.02	-0.05	-6.01	-0.27	0.02	-0.13	3.53e-03	-0.11	-0.05
		13	6.44	0.25	-5.99	0.17	-5.91	0.69	0.06	2.26e-03	5.35e-03	0.06	0.01
		11	7.80	0.05	-7.42	0.01	-7.38	-0.51	0.06	-0.04	0.04	-0.03	-0.04
14	4	25	39.46	-0.19	-38.04	-1.19	-37.05	-6.06	-0.39	-1.42	-1.17	-0.64	0.44
		26	59.32	0.26	-54.83	0.22	-54.80	1.38	1.41	1.34	1.39	1.36	0.03
		15	67.48	-0.34	-56.97	-0.35	-56.96	-0.71	0.52	-1.63	0.44	-1.54	0.41
		13	50.23	2.97	-44.40	2.54	-43.97	-4.50	0.65	-0.18	-0.17	0.65	-0.07
14	8	25	26.58	-0.19	-25.73	-0.81	-25.11	-3.93	-0.26	-0.95	-0.78	-0.43	0.30
		26	39.74	0.15	-36.78	0.13	-36.76	0.84	0.93	0.89	0.92	0.90	0.02
		15	45.13	-0.19	-38.17	-0.19	-38.17	-0.36	0.34	-1.08	0.29	-1.02	0.28
		13	33.96	2.02	-30.03	1.72	-29.74	-3.08	0.44	-0.12	-0.11	0.44	-0.06
14	28	25	10.06	0.22	-9.16	0.19	-9.12	0.56	-5.09e-03	-0.13	-5.67e-03	-0.13	8.60e-03
		26	8.64	0.22	-7.87	0.13	-7.78	-0.85	-0.09	-0.16	-0.10	-0.15	-0.03
		15	7.67	0.08	-7.56	0.03	-7.52	0.60	-2.21e-04	-0.08	-0.06	-0.01	0.03
		13	9.60	0.03	-9.28	-0.05	-9.20	-0.86	0.03	-0.07	-3.23e-03	-0.04	-0.05
14	60	25	6.67	0.12	-6.07	0.04	-6.00	0.68	1.97e-03	-0.09	1.19e-03	-0.09	8.38e-03
		26	5.27	0.10	-4.77	-0.02	-4.66	-0.73	-0.07	-0.13	-0.09	-0.10	-0.03
		15	4.95	0.29	-4.50	0.18	-4.39	0.71	0.04	-0.07	-0.06	0.03	0.03
		13	6.34	0.18	-6.16	0.09	-6.08	-0.74	0.05	-0.05	8.91e-04	7.18e-03	-0.05
15	4	26	58.85	0.21	-54.94	0.13	-54.87	-2.05	1.39	1.26	1.39	1.26	1.39e-03
		27	42.82	-0.08	-41.48	-1.03	-40.53	6.20	-0.26	-1.22	-0.96	-0.51	-0.43
		17	53.26	2.61	-48.66	2.28	-48.33	4.05	0.56	-0.04	-0.03	0.55	0.07
		15	66.54	-0.27	-56.76	-0.27	-56.76	0.48	0.50	-1.48	0.44	-1.42	-0.35
15	8	26	39.43	0.11	-36.85	0.07	-36.81	-1.28	0.92	0.83	0.92	0.83	5.24e-03
		27	28.82	-0.11	-28.03	-0.70	-27.43	4.03	-0.17	-0.82	-0.64	-0.35	-0.28
		17	35.99	1.78	-32.87	1.55	-32.64	2.78	0.38	-0.02	-0.02	0.37	0.05
		15	44.51	-0.14	-38.03	-0.14	-38.03	0.21	0.33	-0.98	0.29	-0.94	-0.24
15	36	26	8.85	0.19	-8.06	0.14	-8.00	0.66	-0.07	-0.16	-0.08	-0.15	0.03
		27	10.34	0.26	-9.41	0.20	-9.35	-0.74	0.01	-0.13	0.01	-0.13	-7.25e-03
		17	9.76	-0.01	-9.48	-0.06	-9.44	0.66	0.05	-0.07	7.35e-03	-0.03	0.06
		15	7.89	0.10	-7.81	0.03	-7.74	-0.77	-0.01	-0.06	-0.05	-0.02	-0.02
15	66	26	5.32	0.07	-4.84	-0.01	-4.76	0.62	-0.06	-0.13	-0.08	-0.10	0.03
		27	6.83	0.15	-6.21	0.05	-6.11	-0.78	0.01	-0.09	9.55e-03	-0.09	-7.31e-03
		17	6.39	0.15	-6.25	0.09	-6.19	0.62	0.06	-0.04	6.28e-03	0.01	0.05
		15	5.04	0.31	-4.63	0.17	-4.49	-0.81	0.03	-0.06	-0.05	0.02	-0.02
16	1	27	41.40	-0.04	-39.78	-1.30	-38.52	-6.96	-0.35	-1.47	-1.15	-0.67	0.50
		28	63.70	0.49	-59.32	0.44	-59.27	1.80	1.75	1.47	1.75	1.47	0.02
		19	73.92	-0.63	-62.57	-0.65	-62.55	-1.14	0.75	-1.66	0.68	-1.59	0.40
		17	52.16	3.01	-45.71	2.58	-45.29	-4.55	0.73	-0.16	-0.16	0.73	1.98e-03
16	5	27	27.92	-0.08	-26.91	-0.89	-26.10	-4.61	-0.23	-0.99	-0.77	-0.46	0.34
		28	43.01	0.32	-40.10	0.29	-40.07	1.13	1.18	0.98	1.18	0.98	0.01
		19	49.90	-0.40	-42.31	-0.42	-42.30	-0.69	0.51	-1.11	0.46	-1.06	0.27
		17	35.28	2.06	-30.89	1.76	-30.59	-3.12	0.50	-0.11	-0.11	0.50	-2.92e-04
16	18	27	10.24	0.17	-9.20	0.16	-9.20	0.07	0.03	-0.16	0.01	-0.15	0.05
		28	11.15	0.35	-10.32	0.31	-10.28	-0.70	0.09	-0.07	0.08	-0.06	-0.03
		19	11.07	-0.18	-10.57	-0.19	-10.56	0.31	0.06	-0.08	0.05	-0.07	0.04
		17	9.22	0.05	-9.18	-0.03	-9.10	-0.85	0.02	2.62e-03	0.01	0.01	-0.01
16	51	27	6.80	3.00e-03	-6.08	-7.13e-03	-6.07	0.25	0.03	-0.13	0.01	-0.11	0.05
		28	7.66	0.17	-7.19	0.14	-7.15	-0.52	0.09	-0.03	0.08	-0.02	-0.03
		19	7.83	8.36e-03	-7.46	-0.02	-7.43	0.49	0.06	-0.04	0.05	-0.03	0.04
		17	6.43	0.21	-6.04	0.14	-5.97	-0.67	0.06	6.92e-03	9.80e-03	0.06	-0.01

17	1	21	41.40	-0.04	-39.78	-1.30	-38.52	-6.96	1.47	0.35	1.15	0.67	-0.50
		28	63.70	0.49	-59.32	0.44	-59.27	1.80	-1.46	-1.75	-1.75	-1.47	-0.02
		19	73.92	-0.63	-62.57	-0.65	-62.55	-1.14	1.66	-0.75	-0.68	1.59	-0.40
		6	52.15	3.01	-45.72	2.58	-45.29	-4.55	0.16	-0.73	0.16	-0.73	-2.00e-03
17	5	21	27.92	-0.08	-26.91	-0.89	-26.10	-4.61	0.99	0.23	0.77	0.46	-0.34
		28	43.01	0.32	-40.10	0.29	-40.07	1.13	-0.98	-1.18	-1.18	-0.98	-0.01
		19	49.90	-0.40	-42.31	-0.42	-42.30	-0.69	1.11	-0.51	-0.46	1.06	-0.27
		6	35.28	2.06	-30.89	1.76	-30.60	-3.12	0.11	-0.50	0.11	-0.50	2.79e-04
17	24	21	10.24	0.17	-9.20	0.16	-9.20	0.07	0.16	-0.03	-0.01	0.15	-0.05
		28	11.15	0.35	-10.32	0.31	-10.28	-0.70	0.07	-0.09	-0.08	0.06	0.03
		19	11.07	-0.18	-10.57	-0.19	-10.56	0.31	0.08	-0.06	-0.05	0.07	-0.04
		6	9.22	0.05	-9.18	-0.03	-9.10	-0.85	-2.56e-03	-0.02	-0.01	-0.01	0.01
17	53	21	6.80	2.90e-03	-6.08	-7.21e-03	-6.07	0.25	0.12	-0.03	-0.01	0.11	-0.05
		28	7.67	0.17	-7.19	0.14	-7.15	-0.52	0.03	-0.09	-0.08	0.02	0.03
		19	7.83	8.30e-03	-7.46	-0.02	-7.43	0.49	0.04	-0.06	-0.05	0.03	-0.04
		6	6.43	0.21	-6.04	0.14	-5.97	-0.67	-6.92e-03	-0.06	-9.79e-03	-0.06	0.01
18	3	30	53.79	0.24	-51.49	0.19	-51.44	-1.50	-0.76	-1.94	-1.92	-0.77	0.13
		29	37.18	0.96	-35.56	-0.19	-34.41	6.37	1.23	0.53	1.17	0.59	0.20
		21	48.63	0.67	-40.88	0.24	-40.44	4.22	0.77	-0.82	0.73	-0.78	0.24
		22	62.39	-0.86	-54.94	-0.87	-54.93	0.69	0.63	-1.29	-1.28	0.63	0.06
18	7	30	36.05	0.15	-34.58	0.13	-34.55	-0.95	-0.50	-1.28	-1.27	-0.51	0.09
		29	25.07	0.59	-24.08	-0.13	-23.35	4.17	0.82	0.36	0.78	0.40	0.14
		21	32.87	0.45	-27.67	0.16	-27.38	2.86	0.51	-0.55	0.49	-0.53	0.16
		22	41.78	-0.57	-36.86	-0.58	-36.85	0.39	0.42	-0.85	-0.85	0.42	0.05
18	37	30	8.24	-0.21	-7.50	-0.25	-7.45	0.58	0.09	-0.10	0.09	-0.10	-0.03
		29	8.64	-0.25	-8.66	-0.27	-8.64	-0.42	-1.56e-03	-0.03	-7.09e-03	-0.02	0.01
		21	9.71	0.33	-8.66	0.31	-8.63	0.47	-5.48e-03	-0.16	-0.01	-0.16	-0.03
		22	8.30	0.31	-7.26	0.30	-7.25	-0.33	0.09	-0.11	0.08	-0.10	0.03
18	69	30	5.15	-0.07	-4.65	-0.13	-4.60	0.50	0.10	-0.05	0.09	-0.05	-0.03
		29	5.97	-0.10	-5.83	-0.14	-5.78	-0.50	0.03	-7.52e-03	-4.05e-03	0.03	0.01
		21	6.48	0.19	-5.80	0.16	-5.78	0.39	-5.68e-04	-0.12	-0.01	-0.11	-0.03
		22	5.07	0.18	-4.43	0.14	-4.39	-0.41	0.09	-0.05	0.09	-0.05	0.03
19	3	31	35.00	0.96	-32.82	-0.26	-31.60	-6.32	1.46	0.62	1.41	0.67	-0.21
		30	53.37	0.23	-51.44	0.21	-51.42	0.93	-0.81	-1.94	-1.92	-0.83	-0.14
		22	62.92	-0.88	-54.97	-0.91	-54.95	-1.10	0.71	-1.30	-1.29	0.71	-0.10
		23	46.30	0.80	-37.44	0.28	-36.91	-4.44	0.98	-0.86	0.95	-0.83	-0.24
19	7	31	23.61	0.59	-22.25	-0.18	-21.48	-4.13	0.98	0.42	0.94	0.46	-0.14
		30	35.78	0.15	-34.55	0.14	-34.54	0.56	-0.54	-1.28	-1.27	-0.55	-0.09
		22	42.12	-0.59	-36.87	-0.60	-36.86	-0.66	0.48	-0.85	-0.85	0.47	-0.07
		23	31.31	0.54	-25.37	0.19	-25.02	-3.00	0.65	-0.58	0.63	-0.56	-0.15
19	32	31	8.57	-0.24	-8.49	-0.26	-8.47	0.40	0.02	-0.03	0.01	-0.03	-0.01
		30	8.07	-0.20	-7.34	-0.25	-7.29	-0.61	0.11	-0.09	0.11	-0.09	0.02
		22	8.21	0.30	-7.10	0.29	-7.08	0.32	0.10	-0.11	0.10	-0.11	-0.03
		23	9.57	0.33	-8.49	0.30	-8.46	-0.49	0.01	-0.16	4.93e-03	-0.15	0.03
19	64	31	5.82	-0.10	-5.74	-0.14	-5.70	0.50	0.03	-1.76e-03	5.55e-03	0.02	-0.01
		30	5.04	-0.07	-4.58	-0.13	-4.52	-0.52	0.11	-0.04	0.10	-0.04	0.02
		22	5.06	0.18	-4.35	0.14	-4.31	0.41	0.10	-0.06	0.09	-0.06	-0.03
		23	6.39	0.18	-5.72	0.16	-5.69	-0.40	8.13e-03	-0.11	-1.97e-03	-0.10	0.03
20	2	32	56.82	0.38	-53.87	0.35	-53.84	-1.23	-0.86	-2.24	-2.23	-0.87	0.13
		31	36.83	1.09	-34.23	-0.32	-32.83	6.90	1.43	0.53	1.37	0.60	0.24
		23	47.49	0.86	-38.81	0.34	-38.29	4.53	0.96	-0.84	0.93	-0.80	0.26
		24	66.91	-0.95	-58.07	-0.97	-58.05	1.11	0.71	-1.57	-1.57	0.71	0.10
20	6	32	38.41	0.26	-36.44	0.25	-36.42	-0.77	-0.58	-1.51	-1.50	-0.59	0.08
		31	24.90	0.69	-23.22	-0.22	-22.30	4.58	0.96	0.35	0.91	0.40	0.16
		23	32.12	0.59	-26.29	0.24	-25.93	3.09	0.64	-0.56	0.62	-0.54	0.17
		24	45.22	-0.64	-39.27	-0.66	-39.26	0.69	0.48	-1.06	-1.06	0.47	0.07

20	16	32	9.88	-0.09	-9.32	-0.12	-9.29	0.54	-0.07	-0.16	-0.09	-0.15	-0.03
		31	8.62	-0.28	-8.43	-0.28	-8.43	4.53e-03	0.02	-0.07	3.05e-03	-0.05	0.04
		23	9.54	0.38	-8.43	0.33	-8.39	0.61	2.80e-03	-0.16	1.07e-03	-0.16	-0.02
		24	9.89	0.20	-9.55	0.19	-9.54	-0.23	-0.04	-0.11	-0.07	-0.08	0.04
20	46	32	6.86	0.01	-6.57	-0.02	-6.54	0.42	-0.06	-0.13	-0.09	-0.10	-0.03
		31	5.62	-0.18	-5.68	-0.18	-5.68	-0.12	0.04	-0.04	7.91e-04	-2.25e-05	0.04
		23	6.40	0.24	-5.68	0.20	-5.64	0.48	1.87e-03	-0.11	-7.86e-04	-0.10	-0.02
		24	6.97	0.08	-6.81	0.06	-6.79	-0.35	-4.29e-03	-0.10	-0.07	-0.03	0.04
21	2	32	56.82	0.38	-53.87	0.35	-53.84	-1.23	2.24	0.86	2.23	0.88	-0.12
		33	36.83	1.09	-34.23	-0.32	-32.83	6.90	-0.53	-1.43	-1.37	-0.60	-0.24
		25	47.49	0.86	-38.81	0.34	-38.29	4.53	0.84	-0.96	-0.93	0.80	-0.26
		24	66.92	-0.95	-58.07	-0.97	-58.05	1.11	1.57	-0.71	1.57	-0.71	-0.10
21	6	32	38.41	0.26	-36.44	0.25	-36.42	-0.77	1.51	0.58	1.50	0.59	-0.08
		33	24.90	0.69	-23.22	-0.22	-22.30	4.58	-0.36	-0.96	-0.91	-0.40	-0.16
		25	32.13	0.59	-26.29	0.24	-25.93	3.09	0.56	-0.64	-0.62	0.54	-0.17
		24	45.22	-0.64	-39.27	-0.66	-39.26	0.69	1.06	-0.48	1.06	-0.47	-0.07
21	10	32	9.88	-0.09	-9.32	-0.12	-9.29	0.54	0.16	0.07	0.09	0.15	0.03
		33	8.61	-0.28	-8.43	-0.28	-8.43	4.15e-03	0.07	-0.02	-3.01e-03	0.05	-0.04
		25	9.54	0.38	-8.43	0.33	-8.39	0.61	0.16	-2.77e-03	-1.04e-03	0.16	0.02
		24	9.89	0.20	-9.55	0.20	-9.54	-0.23	0.11	0.03	0.07	0.08	-0.04
21	44	32	6.86	0.01	-6.57	-0.02	-6.54	0.42	0.13	0.06	0.09	0.10	0.03
		33	5.62	-0.18	-5.68	-0.18	-5.68	-0.12	0.04	-0.04	-7.57e-04	-2.13e-04	-0.04
		25	6.40	0.24	-5.68	0.20	-5.64	0.48	0.11	-1.84e-03	8.16e-04	0.11	0.02
		24	6.98	0.08	-6.81	0.06	-6.79	-0.35	0.10	4.04e-03	0.07	0.03	-0.04
22	4	33	35.00	0.96	-32.82	-0.26	-31.60	-6.32	-0.62	-1.46	-1.41	-0.67	0.21
		34	53.37	0.23	-51.44	0.21	-51.42	0.93	1.94	0.81	1.92	0.83	0.14
		26	62.91	-0.88	-54.97	-0.91	-54.95	-1.10	1.30	-0.71	1.29	-0.71	0.10
		25	46.30	0.80	-37.43	0.28	-36.91	-4.44	0.86	-0.98	-0.95	0.83	0.24
22	8	33	23.61	0.59	-22.25	-0.18	-21.48	-4.13	-0.42	-0.98	-0.94	-0.46	0.14
		34	35.78	0.15	-34.55	0.14	-34.54	0.56	1.28	0.54	1.27	0.55	0.09
		26	42.12	-0.59	-36.87	-0.60	-36.86	-0.66	0.85	-0.48	0.85	-0.47	0.07
		25	31.31	0.54	-25.37	0.19	-25.02	-3.00	0.58	-0.65	-0.63	0.56	0.15
22	26	33	8.58	-0.24	-8.49	-0.26	-8.47	0.40	0.03	-0.02	-0.01	0.03	0.01
		34	8.07	-0.20	-7.34	-0.25	-7.29	-0.61	0.09	-0.11	-0.11	0.09	-0.02
		26	8.22	0.30	-7.10	0.29	-7.08	0.32	0.11	-0.10	-0.10	0.11	0.03
		25	9.57	0.33	-8.49	0.30	-8.46	-0.49	0.16	-0.01	-4.91e-03	0.15	-0.03
22	58	33	5.82	-0.10	-5.74	-0.14	-5.70	0.50	1.92e-03	-0.03	-5.51e-03	-0.02	0.01
		34	5.04	-0.07	-4.58	-0.13	-4.52	-0.52	0.04	-0.11	-0.10	0.04	-0.02
		26	5.06	0.18	-4.35	0.14	-4.31	0.41	0.06	-0.10	-0.09	0.06	0.03
		25	6.39	0.18	-5.72	0.16	-5.69	-0.40	0.11	-8.17e-03	2.00e-03	0.10	-0.03
23	4	34	53.80	0.24	-51.49	0.19	-51.44	-1.50	1.94	0.76	1.92	0.77	-0.13
		35	37.18	0.96	-35.56	-0.19	-34.41	6.37	-0.53	-1.23	-1.17	-0.59	-0.20
		27	48.62	0.67	-40.88	0.24	-40.44	4.22	0.82	-0.77	-0.73	0.78	-0.24
		26	62.39	-0.86	-54.94	-0.87	-54.93	0.69	1.29	-0.63	1.28	-0.62	-0.06
23	8	34	36.06	0.15	-34.58	0.13	-34.55	-0.95	1.28	0.50	1.27	0.51	-0.09
		35	25.07	0.59	-24.08	-0.13	-23.35	4.17	-0.36	-0.82	-0.78	-0.40	-0.14
		27	32.87	0.45	-27.67	0.16	-27.38	2.86	0.55	-0.51	-0.49	0.53	-0.16
		26	41.78	-0.57	-36.86	-0.58	-36.85	0.39	0.85	-0.42	0.85	-0.42	-0.05
23	35	34	8.24	-0.21	-7.50	-0.25	-7.45	0.58	0.10	-0.09	-0.09	0.10	0.03
		35	8.64	-0.25	-8.66	-0.27	-8.64	-0.42	0.03	1.62e-03	7.11e-03	0.02	-0.01
		27	9.71	0.33	-8.66	0.31	-8.63	0.47	0.16	5.45e-03	0.01	0.16	0.03
		26	8.30	0.31	-7.26	0.30	-7.25	-0.33	0.11	-0.09	-0.08	0.10	-0.03
23	67	34	5.15	-0.07	-4.65	-0.13	-4.60	0.50	0.05	-0.10	-0.09	0.05	0.03
		35	5.97	-0.10	-5.83	-0.14	-5.78	-0.50	7.60e-03	-0.03	4.07e-03	-0.03	-0.01
		27	6.48	0.19	-5.80	0.16	-5.78	0.39	0.12	5.14e-04	0.01	0.11	0.03
		26	5.08	0.18	-4.43	0.15	-4.39	-0.41	0.06	-0.09	-0.09	0.05	-0.03

24	1	35	36.81	1.15	-34.32	-0.33	-32.85	-7.08	-0.55	-1.44	-1.36	-0.63	0.24
		36	58.13	0.40	-54.98	0.38	-54.95	1.21	2.34	0.89	2.32	0.91	0.13
		28	68.69	-0.96	-59.47	-0.98	-59.44	-1.15	1.66	-0.73	1.65	-0.72	0.10
		27	47.88	0.94	-38.87	0.36	-38.29	-4.75	0.88	-0.97	-0.93	0.84	0.27
24	5	35	24.89	0.73	-23.28	-0.23	-22.32	-4.71	-0.37	-0.96	-0.91	-0.42	0.17
		36	39.28	0.28	-37.18	0.26	-37.17	0.76	1.57	0.60	1.56	0.61	0.08
		28	46.40	-0.65	-40.21	-0.66	-40.19	-0.72	1.11	-0.49	1.11	-0.49	0.07
		27	32.38	0.64	-26.33	0.25	-25.94	-3.23	0.59	-0.64	-0.62	0.57	0.18
24	19	35	8.60	-0.36	-8.48	-0.36	-8.48	0.10	0.08	-0.01	0.01	0.05	0.04
		36	9.80	-0.19	-9.36	-0.20	-9.34	-0.41	0.16	0.08	0.10	0.14	-0.03
		28	9.89	0.29	-9.60	0.27	-9.59	0.33	0.11	0.04	0.08	0.07	0.04
		27	9.51	0.44	-8.47	0.41	-8.44	-0.47	0.15	0.01	0.01	0.15	-0.02
24	51	35	5.63	-0.21	-5.72	-0.22	-5.71	0.11	0.05	-0.03	7.25e-03	5.84e-03	0.04
		36	6.84	-0.03	-6.60	-0.06	-6.57	-0.40	0.13	0.06	0.10	0.09	-0.03
		28	7.07	0.12	-6.84	0.10	-6.82	0.34	0.10	2.62e-03	0.08	0.02	0.04
		27	6.39	0.28	-5.71	0.24	-5.67	-0.46	0.10	4.47e-03	7.30e-03	0.10	-0.02
25	1	29	36.81	1.14	-34.33	-0.33	-32.85	-7.08	1.44	0.55	1.36	0.63	-0.24
		36	58.13	0.40	-54.98	0.38	-54.95	1.21	-0.89	-2.34	-2.32	-0.90	-0.13
		28	68.69	-0.96	-59.47	-0.98	-59.44	-1.15	0.73	-1.66	-1.65	0.72	-0.10
		21	47.88	0.94	-38.87	0.36	-38.29	-4.75	0.97	-0.88	0.93	-0.84	-0.27
25	5	29	24.89	0.73	-23.28	-0.23	-22.32	-4.71	0.96	0.37	0.91	0.42	-0.17
		36	39.28	0.28	-37.18	0.26	-37.17	0.76	-0.60	-1.57	-1.56	-0.61	-0.08
		28	46.40	-0.65	-40.21	-0.66	-40.19	-0.72	0.49	-1.11	-1.11	0.49	-0.07
		21	32.38	0.64	-26.33	0.25	-25.94	-3.23	0.64	-0.59	0.62	-0.57	-0.18
25	21	29	8.60	-0.36	-8.48	-0.37	-8.48	0.10	0.01	-0.08	-0.01	-0.05	-0.04
		36	9.80	-0.19	-9.36	-0.20	-9.34	-0.41	-0.08	-0.16	-0.10	-0.14	0.03
		28	9.90	0.29	-9.60	0.27	-9.59	0.33	-0.04	-0.11	-0.08	-0.07	-0.04
		21	9.51	0.44	-8.47	0.41	-8.44	-0.47	-0.01	-0.15	-0.01	-0.15	0.02
25	53	29	5.63	-0.21	-5.72	-0.22	-5.71	0.11	0.03	-0.05	-7.23e-03	-6.07e-03	-0.04
		36	6.84	-0.03	-6.60	-0.06	-6.57	-0.40	-0.06	-0.13	-0.10	-0.09	0.03
		28	7.07	0.12	-6.84	0.10	-6.82	0.34	-2.89e-03	-0.10	-0.08	-0.02	-0.04
		21	6.39	0.28	-5.71	0.24	-5.67	-0.46	-4.46e-03	-0.10	-7.29e-03	-0.10	0.02
26	3	229	52.05	0.10	-47.18	0.08	-47.17	-0.89	-0.61	-2.35	-2.35	-0.62	0.09
		230	33.38	1.10	-30.41	-0.15	-29.15	6.15	1.45	0.49	1.43	0.51	0.11
		29	43.52	0.75	-34.91	0.09	-34.25	4.81	1.20	-0.68	1.18	-0.66	0.21
		30	60.19	-0.51	-51.53	-0.52	-51.53	0.41	0.39	-1.93	-1.93	0.39	0.05
26	7	229	34.88	0.07	-31.73	0.06	-31.72	-0.54	-0.42	-1.56	-1.55	-0.42	0.05
		230	22.51	0.68	-20.64	-0.11	-19.85	4.03	0.97	0.34	0.96	0.35	0.08
		29	29.50	0.50	-23.69	0.06	-23.25	3.24	0.80	-0.47	0.78	-0.45	0.14
		30	40.37	-0.35	-34.61	-0.35	-34.61	0.21	0.27	-1.28	-1.28	0.27	0.04
26	38	229	7.20	0.24	-6.93	0.22	-6.90	0.44	0.08	0.01	0.08	0.02	-0.02
		230	9.09	0.16	-7.95	0.13	-7.92	-0.46	0.18	4.22e-03	5.83e-03	0.18	0.02
		29	8.04	-0.18	-7.92	-0.20	-7.91	0.30	6.18e-05	-0.05	-9.18e-03	-0.04	-0.02
		30	7.12	-0.25	-6.74	-0.27	-6.72	-0.38	0.13	0.08	0.09	0.12	0.02
26	70	229	4.91	0.15	-4.46	0.12	-4.42	0.41	0.09	-0.02	0.08	-0.02	-0.02
		230	6.40	0.08	-5.49	0.03	-5.45	-0.48	0.15	7.50e-03	9.21e-03	0.15	0.02
		29	5.81	-0.06	-5.45	-0.07	-5.43	0.27	-1.08e-03	-0.08	-6.00e-03	-0.07	-0.02
		30	4.53	-0.11	-4.28	-0.15	-4.24	-0.40	0.11	0.06	0.09	0.08	0.02
27	3	231	32.11	1.14	-28.34	-0.20	-27.00	-6.14	1.69	0.54	1.68	0.56	-0.11
		229	51.80	0.09	-47.16	0.08	-47.15	0.36	-0.65	-2.35	-2.35	-0.66	-0.08
		30	60.52	-0.52	-51.55	-0.54	-51.53	-0.83	0.45	-1.94	-1.94	0.44	-0.06
		31	41.92	0.85	-32.19	0.09	-31.43	-4.97	1.44	-0.70	1.42	-0.68	-0.21
27	7	231	21.66	0.71	-19.26	-0.14	-18.42	-4.02	1.13	0.38	1.12	0.39	-0.08
		229	34.72	0.06	-31.72	0.06	-31.72	0.19	-0.44	-1.56	-1.55	-0.44	-0.05
		30	40.58	-0.35	-34.62	-0.36	-34.61	-0.49	0.30	-1.28	-1.28	0.30	-0.04
		31	28.42	0.58	-21.88	0.07	-21.37	-3.34	0.96	-0.48	0.95	-0.47	-0.14

27	32	231	8.86	0.13	-7.81	0.12	-7.79	0.31	0.18	0.02	0.03	0.18	-0.02
		229	7.12	0.25	-6.83	0.20	-6.78	-0.59	0.10	0.02	0.10	0.02	0.02
		30	6.85	-0.26	-6.61	-0.26	-6.60	0.23	0.13	0.08	0.11	0.10	-0.03
		31	7.89	-0.16	-7.80	-0.19	-7.78	-0.45	0.02	-0.03	0.01	-0.03	0.02
27	64	231	6.25	0.06	-5.41	0.03	-5.38	0.42	0.14	0.02	0.02	0.14	-0.02
		229	4.84	0.16	-4.42	0.11	-4.36	-0.48	0.10	-0.01	0.09	-9.67e-03	0.02
		30	4.36	-0.12	-4.21	-0.14	-4.18	0.34	0.12	0.06	0.10	0.07	-0.02
		31	5.72	-0.05	-5.39	-0.07	-5.36	-0.35	8.67e-03	-0.06	4.13e-03	-0.06	0.02
28	2	232	54.74	0.25	-49.01	0.25	-49.00	-0.57	-0.69	-2.65	-2.65	-0.69	0.05
		231	33.75	1.23	-29.53	-0.28	-28.03	6.64	1.64	0.43	1.62	0.44	0.13
		31	42.54	0.94	-33.39	0.18	-32.63	5.07	1.40	-0.62	1.38	-0.60	0.20
		32	64.04	-0.60	-53.98	-0.61	-53.97	0.73	0.45	-2.25	-2.25	0.44	0.08
28	6	232	36.98	0.19	-33.17	0.18	-33.17	-0.32	-0.47	-1.78	-1.78	-0.47	0.03
		231	22.85	0.78	-20.08	-0.20	-19.10	4.41	1.09	0.29	1.08	0.30	0.09
		31	28.82	0.65	-22.68	0.13	-22.16	3.43	0.93	-0.42	0.92	-0.41	0.13
		32	43.31	-0.42	-36.52	-0.42	-36.51	0.44	0.31	-1.51	-1.51	0.30	0.06
28	14	232	8.81	0.31	-8.39	0.29	-8.37	0.45	-7.33e-03	-0.12	-0.11	-0.02	-0.04
		231	8.42	0.03	-7.75	0.03	-7.75	-0.07	0.13	4.91e-03	0.02	0.11	0.04
		31	7.79	-0.06	-7.72	-0.09	-7.70	0.43	0.04	-0.01	7.76e-03	0.02	-0.02
		32	9.60	-0.29	-8.63	-0.30	-8.62	-0.34	0.14	-0.10	-0.09	0.13	0.04
28	46	232	6.22	0.24	-6.02	0.21	-5.99	0.44	-0.04	-0.13	-0.11	-0.06	-0.04
		231	5.81	-0.05	-5.37	-0.05	-5.37	-0.09	0.10	-1.46e-03	0.01	0.08	0.04
		31	5.47	0.05	-5.35	0.02	-5.32	0.42	0.02	-0.03	5.79e-03	-0.02	-0.02
		32	7.09	-0.18	-6.26	-0.20	-6.24	-0.35	0.11	-0.10	-0.10	0.10	0.04
29	2	232	54.74	0.25	-49.01	0.25	-49.00	-0.57	2.65	0.69	2.65	0.69	-0.05
		233	33.75	1.23	-29.53	-0.28	-28.03	6.64	-0.43	-1.63	-1.62	-0.44	-0.13
		33	42.54	0.94	-33.39	0.18	-32.63	5.07	0.62	-1.40	-1.38	0.60	-0.20
		32	64.05	-0.60	-53.98	-0.61	-53.97	0.73	2.25	-0.45	2.25	-0.44	-0.08
29	6	232	36.98	0.19	-33.17	0.18	-33.17	-0.32	1.78	0.47	1.78	0.48	-0.03
		233	22.84	0.78	-20.08	-0.20	-19.10	4.41	-0.29	-1.09	-1.08	-0.30	-0.09
		33	28.82	0.65	-22.68	0.13	-22.16	3.43	0.42	-0.93	-0.92	0.41	-0.13
		32	43.31	-0.42	-36.52	-0.42	-36.51	0.44	1.51	-0.31	1.51	-0.30	-0.06
29	12	232	8.81	0.31	-8.39	0.29	-8.37	0.45	0.12	7.69e-03	0.11	0.02	0.04
		233	8.42	0.03	-7.75	0.03	-7.75	-0.07	-4.86e-03	-0.13	-0.02	-0.11	-0.04
		33	7.79	-0.06	-7.72	-0.09	-7.70	0.43	0.01	-0.04	-7.71e-03	-0.02	0.02
		32	9.60	-0.29	-8.63	-0.30	-8.62	-0.34	0.10	-0.14	0.09	-0.13	-0.04
29	44	232	6.22	0.24	-6.02	0.21	-5.99	0.44	0.13	0.04	0.11	0.06	0.04
		233	5.81	-0.05	-5.37	-0.05	-5.37	-0.09	1.49e-03	-0.10	-0.01	-0.08	-0.04
		33	5.47	0.05	-5.35	0.02	-5.32	0.42	0.03	-0.02	-5.74e-03	0.02	0.02
		32	7.09	-0.18	-6.26	-0.20	-6.24	-0.35	0.10	-0.11	0.10	-0.10	-0.04
30	4	233	32.11	1.14	-28.34	-0.20	-27.00	-6.14	-0.54	-1.69	-1.68	-0.56	0.11
		234	51.80	0.09	-47.16	0.08	-47.15	0.36	2.35	0.65	2.35	0.66	0.08
		34	60.52	-0.52	-51.55	-0.54	-51.53	-0.83	1.94	-0.45	1.94	-0.44	0.06
		33	41.91	0.85	-32.19	0.09	-31.43	-4.97	0.70	-1.44	-1.42	0.68	0.21
30	8	233	21.67	0.71	-19.26	-0.14	-18.42	-4.02	-0.38	-1.13	-1.12	-0.38	0.08
		234	34.72	0.06	-31.72	0.06	-31.72	0.19	1.56	0.44	1.55	0.44	0.05
		34	40.58	-0.35	-34.62	-0.36	-34.61	-0.49	1.28	-0.30	1.28	-0.30	0.04
		33	28.42	0.58	-21.88	0.07	-21.37	-3.34	0.48	-0.96	-0.95	0.47	0.14
30	26	233	8.86	0.13	-7.81	0.12	-7.79	0.31	-0.02	-0.18	-0.03	-0.18	0.02
		234	7.12	0.25	-6.83	0.20	-6.78	-0.59	-0.02	-0.10	-0.10	-0.02	-0.02
		34	6.84	-0.26	-6.61	-0.26	-6.60	0.23	-0.08	-0.13	-0.11	-0.10	0.03
		33	7.89	-0.16	-7.80	-0.19	-7.78	-0.45	0.03	-0.02	-0.01	0.03	-0.02
30	58	233	6.25	0.06	-5.41	0.03	-5.38	0.42	-0.02	-0.14	-0.02	-0.14	0.02
		234	4.83	0.16	-4.42	0.11	-4.36	-0.48	0.01	-0.10	-0.09	9.32e-03	-0.02
		34	4.36	-0.12	-4.21	-0.14	-4.18	0.34	-0.06	-0.12	-0.10	-0.07	0.02
		33	5.71	-0.05	-5.39	-0.07	-5.36	-0.35	0.06	-8.70e-03	-4.10e-03	0.06	-0.02

31	4	234	52.05	0.10	-47.18	0.08	-47.16	-0.89	2.35	0.61	2.35	0.62	-0.09
		235	33.38	1.10	-30.40	-0.15	-29.15	6.15	-0.49	-1.45	-1.43	-0.50	-0.11
		35	43.52	0.75	-34.91	0.09	-34.25	4.81	0.68	-1.20	-1.18	0.66	-0.21
		34	60.18	-0.51	-51.53	-0.52	-51.53	0.41	1.93	-0.39	1.93	-0.39	-0.05
31	8	234	34.88	0.07	-31.73	0.06	-31.72	-0.54	1.55	0.42	1.55	0.42	-0.05
		235	22.52	0.68	-20.64	-0.11	-19.85	4.03	-0.34	-0.97	-0.96	-0.35	-0.08
		35	29.50	0.50	-23.69	0.06	-23.25	3.24	0.47	-0.80	-0.78	0.45	-0.14
		34	40.36	-0.35	-34.61	-0.35	-34.61	0.21	1.28	-0.27	1.28	-0.27	-0.04
31	36	234	7.20	0.24	-6.93	0.22	-6.90	0.44	-0.01	-0.08	-0.08	-0.02	0.02
		235	9.08	0.16	-7.95	0.13	-7.92	-0.46	-4.16e-03	-0.18	-5.78e-03	-0.18	-0.02
		35	8.04	-0.18	-7.92	-0.20	-7.91	0.30	0.05	-2.01e-04	9.20e-03	0.04	0.02
		34	7.12	-0.25	-6.74	-0.27	-6.72	-0.38	-0.08	-0.13	-0.09	-0.12	-0.02
31	68	234	4.91	0.15	-4.46	0.12	-4.42	0.41	0.02	-0.09	-0.08	0.02	0.02
		235	6.39	0.08	-5.49	0.03	-5.45	-0.48	-7.44e-03	-0.15	-9.17e-03	-0.15	-0.02
		35	5.81	-0.06	-5.44	-0.07	-5.43	0.27	0.08	1.03e-03	6.02e-03	0.07	0.02
		34	4.53	-0.11	-4.28	-0.15	-4.24	-0.40	-0.06	-0.11	-0.09	-0.08	-0.02
32	1	235	33.78	1.30	-29.62	-0.28	-28.04	-6.81	-0.44	-1.63	-1.62	-0.46	0.13
		236	55.87	0.27	-49.86	0.26	-49.86	0.54	2.75	0.71	2.74	0.71	0.05
		36	65.57	-0.60	-55.10	-0.61	-55.09	-0.76	2.35	-0.45	2.34	-0.45	0.08
		35	42.80	1.01	-33.46	0.19	-32.63	-5.27	0.65	-1.40	-1.38	0.63	0.20
32	5	235	22.87	0.83	-20.14	-0.20	-19.11	-4.53	-0.30	-1.09	-1.08	-0.31	0.09
		236	37.73	0.20	-33.74	0.19	-33.74	0.31	1.84	0.49	1.84	0.49	0.03
		36	44.33	-0.42	-37.27	-0.42	-37.26	-0.46	1.58	-0.31	1.57	-0.31	0.06
		35	28.98	0.70	-22.72	0.14	-22.17	-3.56	0.44	-0.94	-0.92	0.42	0.13
32	19	235	8.45	0.12	-7.78	0.12	-7.78	0.06	0.01	-0.11	-1.07e-03	-0.10	0.04
		236	8.86	0.41	-8.42	0.38	-8.40	-0.45	0.14	0.02	0.12	0.04	-0.04
		36	9.54	-0.37	-8.66	-0.39	-8.65	0.32	0.12	-0.13	0.11	-0.12	0.04
		35	7.82	-0.15	-7.75	-0.17	-7.73	-0.43	0.02	-0.03	7.73e-03	-0.02	-0.02
32	51	235	5.81	-3.02e-03	-5.39	-4.01e-03	-5.39	0.07	9.57e-03	-0.09	-5.89e-03	-0.07	0.03
		236	6.25	0.29	-6.03	0.26	-6.00	-0.43	0.14	0.04	0.11	0.07	-0.04
		36	7.06	-0.22	-6.27	-0.24	-6.25	0.34	0.11	-0.10	0.10	-0.09	0.04
		35	5.42	5.03e-03	-5.36	-0.03	-5.33	-0.41	0.03	-0.01	2.03e-03	0.01	-0.02
33	1	230	33.78	1.30	-29.62	-0.28	-28.04	-6.82	1.63	0.44	1.62	0.46	-0.13
		236	55.87	0.27	-49.86	0.26	-49.86	0.54	-0.71	-2.75	-2.74	-0.71	-0.05
		36	65.57	-0.60	-55.10	-0.61	-55.09	-0.76	0.45	-2.35	-2.34	0.45	-0.08
		29	42.79	1.01	-33.46	0.19	-32.63	-5.26	1.40	-0.65	1.38	-0.63	-0.20
33	5	230	22.87	0.83	-20.14	-0.20	-19.11	-4.53	1.09	0.30	1.08	0.31	-0.09
		236	37.73	0.20	-33.74	0.19	-33.74	0.31	-0.49	-1.84	-1.84	-0.49	-0.03
		36	44.33	-0.42	-37.27	-0.42	-37.26	-0.46	0.31	-1.58	-1.57	0.31	-0.06
		29	28.98	0.70	-22.72	0.14	-22.17	-3.56	0.94	-0.44	0.92	-0.42	-0.13
33	21	230	8.45	0.12	-7.78	0.12	-7.78	0.05	0.11	-0.01	1.10e-03	0.10	-0.04
		236	8.86	0.41	-8.42	0.38	-8.40	-0.45	-0.02	-0.14	-0.12	-0.04	0.04
		36	9.54	-0.37	-8.66	-0.39	-8.65	0.32	0.13	-0.12	-0.11	0.12	-0.04
		29	7.82	-0.15	-7.75	-0.17	-7.73	-0.43	0.03	-0.02	-7.70e-03	0.02	0.02
33	53	230	5.80	-3.34e-03	-5.39	-4.32e-03	-5.39	0.07	0.08	-9.55e-03	5.92e-03	0.07	-0.03
		236	6.25	0.29	-6.03	0.26	-6.00	-0.43	-0.04	-0.14	-0.11	-0.07	0.04
		36	7.06	-0.22	-6.27	-0.24	-6.25	0.34	0.10	-0.11	-0.10	0.09	-0.04
		29	5.42	5.21e-03	-5.37	-0.03	-5.33	-0.41	0.01	-0.03	-2.00e-03	-0.01	0.02
34	3	46	48.42	0.08	-42.26	0.08	-42.26	-0.46	-0.55	-2.53	-2.53	-0.55	0.02
		45	29.46	1.20	-26.09	-0.19	-24.70	5.99	1.57	0.50	1.57	0.50	0.01
		230	39.08	0.92	-29.93	0.05	-29.05	5.11	1.46	-0.60	1.46	-0.59	0.12
		229	57.16	-0.40	-47.22	-0.40	-47.22	0.25	0.30	-2.36	-2.36	0.30	0.04
34	7	46	32.45	0.06	-28.48	0.06	-28.48	-0.26	-0.38	-1.68	-1.68	-0.38	0.01
		45	19.86	0.74	-17.76	-0.14	-16.88	3.93	1.05	0.36	1.05	0.36	0.01
		230	26.60	0.62	-20.36	0.05	-19.79	3.44	0.98	-0.42	0.97	-0.41	0.08
		229	38.42	-0.28	-31.76	-0.28	-31.76	0.11	0.22	-1.56	-1.56	0.21	0.03

34	37	46	7.69	-0.01	-6.38	-0.06	-6.33	0.54	0.05	-0.20	0.05	-0.20	-0.02
		45	7.76	-0.25	-7.19	-0.26	-7.18	-0.27	0.13	0.03	0.03	0.13	0.02
		230	8.77	0.29	-7.19	0.27	-7.17	0.38	5.05e-03	-0.24	5.05e-03	-0.24	5.57e-04
		229	6.31	0.12	-6.17	0.11	-6.17	-0.24	0.09	0.02	0.08	0.03	0.03
34	69	46	5.41	0.06	-4.29	0.02	-4.24	0.45	0.06	-0.16	0.06	-0.16	-0.02
		45	5.94	-0.16	-5.12	-0.18	-5.09	-0.36	0.16	0.03	0.03	0.16	0.02
		230	6.41	0.19	-5.10	0.18	-5.08	0.29	8.23e-03	-0.20	8.22e-03	-0.20	-1.22e-03
		229	4.36	0.04	-4.10	0.01	-4.07	-0.32	0.11	0.05	0.08	0.07	0.03
35	3	47	28.88	1.25	-24.65	-0.22	-23.17	-6.00	1.80	0.53	1.80	0.53	-0.01
		46	48.29	0.07	-42.25	0.07	-42.25	-0.02	-0.57	-2.53	-2.53	-0.57	-3.31e-03
		229	57.37	-0.40	-47.23	-0.41	-47.22	-0.66	0.33	-2.37	-2.36	0.33	-0.04
		231	38.10	1.03	-27.88	0.04	-26.90	-5.24	1.71	-0.60	1.70	-0.60	-0.11
35	7	47	19.47	0.77	-16.80	-0.16	-15.87	-3.94	1.20	0.38	1.20	0.38	-0.01
		46	32.38	0.06	-28.47	0.06	-28.47	-0.06	-0.40	-1.68	-1.68	-0.40	2.37e-04
		229	38.54	-0.28	-31.77	-0.28	-31.76	-0.39	0.23	-1.57	-1.57	0.23	-0.03
		231	25.93	0.69	-19.00	0.04	-18.35	-3.52	1.14	-0.42	1.14	-0.42	-0.08
35	32	47	7.55	-0.24	-7.11	-0.25	-7.10	0.26	0.12	0.04	0.05	0.11	-0.02
		46	7.59	-8.80e-04	-6.30	-0.05	-6.25	-0.56	0.07	-0.18	0.07	-0.18	0.02
		229	6.35	0.11	-6.09	0.10	-6.09	0.22	0.11	0.01	0.10	0.02	-0.03
		231	8.71	0.28	-7.11	0.26	-7.09	-0.39	0.03	-0.23	0.03	-0.23	1.74e-03
35	64	47	5.81	-0.15	-5.07	-0.18	-5.05	0.36	0.15	0.04	0.04	0.15	-0.02
		46	5.32	0.07	-4.25	0.02	-4.20	-0.46	0.07	-0.15	0.07	-0.14	0.02
		229	4.23	0.03	-4.06	7.70e-03	-4.04	0.32	0.11	0.04	0.09	0.06	-0.03
		231	6.35	0.19	-5.05	0.17	-5.03	-0.30	0.02	-0.19	0.02	-0.19	2.45e-03
36	2	48	50.59	0.29	-43.62	0.29	-43.62	-0.05	-0.63	-2.80	-2.80	-0.63	-0.03
		47	30.33	1.29	-25.60	-0.35	-23.97	6.42	1.73	0.38	1.73	0.38	0.03
		231	38.17	1.15	-28.85	0.17	-27.87	5.33	1.66	-0.48	1.65	-0.48	0.08
		232	60.48	-0.53	-49.11	-0.54	-49.11	0.45	0.36	-2.67	-2.67	0.35	0.07
36	6	48	34.15	0.23	-29.56	0.23	-29.56	0.03	-0.44	-1.88	-1.88	-0.44	-0.03
		47	20.54	0.80	-17.46	-0.26	-16.40	4.27	1.16	0.26	1.16	0.27	0.03
		231	25.93	0.79	-19.65	0.14	-18.99	3.60	1.11	-0.33	1.10	-0.33	0.05
		232	40.97	-0.38	-33.25	-0.38	-33.25	0.24	0.26	-1.80	-1.80	0.25	0.06
36	14	48	8.72	0.17	-7.51	0.14	-7.47	0.53	-0.10	-0.27	-0.12	-0.25	-0.05
		47	6.94	-0.32	-7.08	-0.32	-7.08	-0.04	0.06	-5.49e-03	0.04	0.02	0.03
		231	8.19	0.35	-7.03	0.33	-7.01	0.38	0.03	-0.16	0.02	-0.15	-0.03
		232	8.45	-0.02	-7.74	-0.04	-7.72	-0.40	0.07	-0.13	-0.11	0.05	0.06
36	46	48	6.46	0.24	-5.50	0.19	-5.45	0.51	-0.10	-0.24	-0.13	-0.21	-0.05
		47	5.19	-0.27	-5.05	-0.27	-5.05	-0.06	0.08	0.01	0.03	0.06	0.03
		231	5.88	0.28	-5.01	0.25	-4.98	0.37	0.03	-0.12	0.02	-0.11	-0.03
		232	6.68	-0.08	-5.73	-0.11	-5.70	-0.42	0.11	-0.13	-0.11	0.09	0.06
37	2	48	50.58	0.29	-43.62	0.29	-43.62	-0.05	2.80	0.63	2.80	0.63	0.03
		49	30.33	1.29	-25.60	-0.35	-23.97	6.42	-0.38	-1.73	-1.73	-0.38	-0.03
		233	38.17	1.15	-28.85	0.17	-27.87	5.33	0.48	-1.66	-1.65	0.48	-0.08
		232	60.49	-0.53	-49.11	-0.54	-49.11	0.45	2.67	-0.36	2.67	-0.35	-0.07
37	6	48	34.14	0.23	-29.56	0.23	-29.56	0.03	1.88	0.44	1.88	0.45	0.03
		49	20.53	0.80	-17.46	-0.26	-16.40	4.27	-0.26	-1.16	-1.16	-0.27	-0.03
		233	25.93	0.79	-19.65	0.14	-18.99	3.60	0.33	-1.11	-1.10	0.33	-0.05
		232	40.97	-0.38	-33.25	-0.38	-33.25	0.24	1.80	-0.26	1.80	-0.25	-0.06
37	12	48	8.72	0.17	-7.51	0.14	-7.47	0.53	0.27	0.10	0.12	0.25	0.05
		49	6.94	-0.32	-7.08	-0.32	-7.08	-0.04	5.38e-03	-0.06	-0.04	-0.02	-0.03
		233	8.19	0.35	-7.03	0.33	-7.01	0.38	0.16	-0.03	-0.02	0.15	0.03
		232	8.46	-0.02	-7.74	-0.04	-7.72	-0.40	0.13	-0.07	0.11	-0.05	-0.06
37	44	48	6.46	0.24	-5.50	0.19	-5.45	0.51	0.24	0.10	0.13	0.21	0.05
		49	5.20	-0.26	-5.05	-0.27	-5.05	-0.06	-0.01	-0.08	-0.03	-0.06	-0.03
		233	5.88	0.28	-5.01	0.25	-4.98	0.37	0.12	-0.03	-0.02	0.11	0.03
		232	6.69	-0.08	-5.73	-0.11	-5.70	-0.42	0.13	-0.11	0.11	-0.09	-0.06

38	4	49	28.89	1.25	-24.65	-0.22	-23.17	-6.00	-0.53	-1.80	-1.80	-0.53	0.01
		50	48.29	0.07	-42.25	0.07	-42.25	-0.02	2.53	0.57	2.53	0.57	3.27e-03
		234	57.36	-0.40	-47.23	-0.41	-47.22	-0.67	2.37	-0.33	2.36	-0.33	0.04
		233	38.09	1.03	-27.88	0.04	-26.90	-5.24	0.60	-1.71	-1.70	0.60	0.11
38	8	49	19.47	0.77	-16.80	-0.16	-15.87	-3.94	-0.37	-1.20	-1.20	-0.38	0.01
		50	32.38	0.06	-28.47	0.06	-28.47	-0.06	1.68	0.39	1.68	0.39	-2.71e-04
		234	38.54	-0.28	-31.77	-0.28	-31.76	-0.39	1.57	-0.23	1.56	-0.23	0.03
		233	25.93	0.69	-19.00	0.04	-18.35	-3.52	0.42	-1.14	-1.14	0.42	0.08
38	26	49	7.54	-0.24	-7.11	-0.25	-7.10	0.26	-0.04	-0.12	-0.05	-0.11	0.02
		50	7.58	-1.29e-03	-6.30	-0.05	-6.25	-0.56	0.18	-0.07	-0.07	0.18	-0.02
		234	6.35	0.11	-6.09	0.10	-6.09	0.22	-0.01	-0.11	-0.10	-0.02	0.03
		233	8.70	0.28	-7.11	0.26	-7.09	-0.39	0.23	-0.03	-0.03	0.23	-1.84e-03
38	58	49	5.80	-0.15	-5.07	-0.18	-5.05	0.36	-0.04	-0.15	-0.04	-0.15	0.02
		50	5.31	0.07	-4.25	0.02	-4.20	-0.46	0.14	-0.07	-0.07	0.14	-0.02
		234	4.22	0.03	-4.06	8.01e-03	-4.04	0.32	-0.04	-0.11	-0.09	-0.06	0.03
		233	6.34	0.19	-5.05	0.17	-5.03	-0.30	0.19	-0.02	-0.02	0.19	-2.56e-03
39	4	50	48.43	0.08	-42.26	0.08	-42.26	-0.46	2.53	0.55	2.53	0.55	-0.02
		51	29.47	1.20	-26.08	-0.19	-24.70	5.99	-0.50	-1.57	-1.57	-0.50	-0.01
		235	39.08	0.92	-29.93	0.05	-29.05	5.11	0.60	-1.46	-1.46	0.59	-0.12
		234	57.16	-0.40	-47.22	-0.40	-47.22	0.25	2.36	-0.30	2.36	-0.30	-0.04
39	8	50	32.46	0.06	-28.48	0.06	-28.48	-0.26	1.68	0.38	1.68	0.38	-0.01
		51	19.86	0.74	-17.76	-0.14	-16.88	3.93	-0.36	-1.05	-1.05	-0.36	-0.01
		235	26.59	0.62	-20.36	0.05	-19.79	3.44	0.42	-0.98	-0.97	0.41	-0.08
		234	38.41	-0.28	-31.76	-0.28	-31.76	0.11	1.56	-0.21	1.56	-0.21	-0.03
39	35	50	7.69	-0.01	-6.38	-0.06	-6.33	0.54	0.20	-0.05	-0.05	0.20	0.02
		51	7.75	-0.25	-7.19	-0.26	-7.18	-0.27	-0.03	-0.13	-0.03	-0.12	-0.02
		235	8.76	0.29	-7.19	0.27	-7.17	0.38	0.23	-5.00e-03	-5.00e-03	0.23	-4.48e-04
		234	6.31	0.12	-6.17	0.11	-6.17	-0.24	-0.01	-0.09	-0.08	-0.03	-0.03
39	67	50	5.40	0.06	-4.29	0.02	-4.24	0.45	0.16	-0.06	-0.06	0.16	0.02
		51	5.94	-0.16	-5.12	-0.18	-5.09	-0.36	-0.03	-0.16	-0.03	-0.16	-0.02
		235	6.40	0.19	-5.10	0.18	-5.08	0.29	0.20	-8.18e-03	-8.17e-03	0.20	1.33e-03
		234	4.36	0.04	-4.10	0.01	-4.07	-0.32	-0.05	-0.11	-0.08	-0.07	-0.03
40	1	51	30.38	1.37	-25.69	-0.35	-23.98	-6.59	-0.39	-1.73	-1.73	-0.39	0.02
		52	51.49	0.30	-44.23	0.30	-44.23	0.03	2.89	0.65	2.89	0.65	-0.04
		236	61.74	-0.53	-49.97	-0.53	-49.97	-0.48	2.77	-0.36	2.77	-0.36	0.07
		235	38.34	1.22	-28.92	0.18	-27.87	-5.52	0.49	-1.66	-1.65	0.49	0.07
40	5	51	20.57	0.85	-17.52	-0.26	-16.41	-4.39	-0.27	-1.16	-1.16	-0.27	0.02
		52	34.75	0.23	-29.96	0.23	-29.96	-0.05	1.94	0.45	1.94	0.45	-0.03
		236	41.81	-0.38	-33.82	-0.38	-33.82	-0.26	1.86	-0.26	1.86	-0.26	0.06
		235	26.03	0.84	-19.70	0.14	-19.00	-3.73	0.34	-1.11	-1.10	0.34	0.05
40	19	51	6.94	-0.42	-7.07	-0.42	-7.07	0.05	0.01	-0.05	-0.02	-0.02	0.03
		52	8.52	0.07	-7.51	0.04	-7.47	-0.51	0.26	0.11	0.14	0.23	-0.05
		236	8.66	0.08	-7.74	0.06	-7.72	0.41	0.14	-0.08	0.13	-0.07	0.06
		235	8.09	0.44	-7.03	0.43	-7.01	-0.37	0.14	-0.01	-9.12e-03	0.14	-0.03
40	51	51	5.17	-0.31	-5.05	-0.31	-5.05	0.06	-5.03e-03	-0.08	-0.03	-0.05	0.03
		52	6.37	0.19	-5.50	0.14	-5.45	-0.50	0.23	0.10	0.13	0.20	-0.05
		236	6.78	-0.04	-5.73	-0.07	-5.70	0.41	0.13	-0.11	0.12	-0.10	0.06
		235	5.81	0.32	-5.01	0.30	-4.99	-0.36	0.11	-0.02	-0.01	0.10	-0.03
41	1	45	30.38	1.37	-25.70	-0.35	-23.98	-6.59	1.73	0.39	1.73	0.39	-0.02
		52	51.49	0.30	-44.23	0.30	-44.23	0.03	-0.64	-2.89	-2.89	-0.65	0.04
		236	61.74	-0.53	-49.97	-0.53	-49.97	-0.48	0.36	-2.77	-2.77	0.36	-0.07
		230	38.34	1.22	-28.92	0.18	-27.87	-5.52	1.66	-0.49	1.65	-0.49	-0.07
41	5	45	20.57	0.85	-17.52	-0.26	-16.41	-4.39	1.16	0.27	1.16	0.27	-0.02
		52	34.75	0.23	-29.96	0.23	-29.96	-0.05	-0.45	-1.94	-1.94	-0.45	0.03
		236	41.80	-0.38	-33.82	-0.38	-33.82	-0.26	0.26	-1.86	-1.86	0.26	-0.06
		230	26.03	0.84	-19.70	0.14	-19.00	-3.72	1.11	-0.34	1.10	-0.34	-0.05

41	21	45	6.94	-0.42	-7.07	-0.42	-7.07	0.05	0.05	-0.01	0.02	0.02	-0.03
		52	8.52	0.07	-7.51	0.04	-7.47	-0.51	-0.11	-0.26	-0.14	-0.23	0.05
		236	8.65	0.08	-7.74	0.06	-7.72	0.41	0.08	-0.14	-0.13	0.07	-0.06
		230	8.09	0.44	-7.03	0.43	-7.01	-0.37	0.01	-0.14	9.18e-03	-0.14	0.03
41	53	45	5.17	-0.31	-5.05	-0.31	-5.05	0.06	0.08	5.05e-03	0.03	0.05	-0.03
		52	6.37	0.19	-5.50	0.15	-5.45	-0.50	-0.10	-0.23	-0.13	-0.20	0.05
		236	6.78	-0.04	-5.73	-0.07	-5.70	0.41	0.11	-0.13	-0.12	0.10	-0.06
		230	5.81	0.32	-5.01	0.30	-4.99	-0.36	0.02	-0.11	0.01	-0.10	0.03
42	3	54	42.92	0.11	-36.86	0.11	-36.86	-0.16	-0.54	-2.44	-2.44	-0.54	-0.04
		53	24.95	1.29	-22.53	-0.31	-20.93	5.97	1.55	0.60	1.55	0.60	-0.09
		45	35.46	1.19	-25.68	0.13	-24.62	5.22	1.58	-0.63	1.58	-0.63	0.02
		46	53.05	-0.40	-42.32	-0.40	-42.31	0.17	0.29	-2.54	-2.54	0.29	0.03
42	7	54	28.78	0.10	-24.91	0.10	-24.91	-0.06	-0.39	-1.63	-1.63	-0.39	-0.03
		53	16.75	0.78	-15.39	-0.24	-14.37	3.93	1.05	0.44	1.04	0.45	-0.06
		45	24.29	0.80	-17.52	0.11	-16.83	3.50	1.06	-0.46	1.06	-0.46	0.01
		46	35.77	-0.29	-28.52	-0.29	-28.52	0.06	0.22	-1.68	-1.68	0.22	0.02
42	38	54	6.93	0.32	-5.83	0.29	-5.80	0.40	0.01	-0.16	0.01	-0.15	-0.02
		53	8.54	-0.12	-6.43	-0.13	-6.42	-0.28	0.39	0.06	0.06	0.39	0.02
		45	7.97	0.04	-6.44	0.03	-6.43	0.18	0.03	-0.24	0.03	-0.24	0.01
		46	6.87	-0.28	-5.65	-0.30	-5.63	-0.35	0.25	0.04	0.05	0.24	0.04
42	70	54	5.37	0.27	-4.12	0.23	-4.09	0.37	0.02	-0.19	0.01	-0.18	-0.02
		53	6.67	-0.16	-4.73	-0.18	-4.70	-0.31	0.37	0.06	0.07	0.37	0.02
		45	6.45	0.11	-4.72	0.11	-4.72	0.15	0.03	-0.26	0.03	-0.26	0.01
		46	5.05	-0.19	-3.95	-0.23	-3.91	-0.38	0.22	0.05	0.05	0.21	0.04
43	3	55	24.87	1.34	-21.68	-0.34	-20.00	-5.99	1.74	0.61	1.73	0.62	0.10
		54	42.88	0.10	-36.86	0.10	-36.86	-0.29	-0.55	-2.44	-2.44	-0.55	0.07
		46	53.17	-0.39	-42.32	-0.40	-42.31	-0.57	0.31	-2.54	-2.54	0.31	-7.05e-03
		47	34.97	1.28	-24.26	0.12	-23.09	-5.33	1.81	-0.63	1.81	-0.63	-0.01
43	7	55	16.70	0.81	-14.82	-0.25	-13.75	-3.95	1.17	0.45	1.16	0.46	0.06
		54	28.76	0.09	-24.91	0.09	-24.90	-0.24	-0.39	-1.63	-1.63	-0.40	0.05
		46	35.83	-0.28	-28.52	-0.29	-28.52	-0.33	0.23	-1.69	-1.69	0.23	-9.56e-03
		47	23.95	0.86	-16.57	0.10	-15.81	-3.57	1.21	-0.45	1.21	-0.45	-9.87e-03
43	32	55	8.41	-0.14	-6.37	-0.14	-6.37	0.14	0.39	0.08	0.08	0.39	-0.02
		54	6.88	0.32	-5.81	0.28	-5.76	-0.55	0.03	-0.15	0.03	-0.14	0.03
		46	6.67	-0.28	-5.59	-0.29	-5.58	0.21	0.24	0.06	0.07	0.23	-0.04
		47	7.89	0.05	-6.40	0.04	-6.38	-0.32	0.05	-0.22	0.05	-0.22	-0.01
43	64	55	6.57	-0.17	-4.69	-0.19	-4.68	0.24	0.36	0.07	0.07	0.36	-0.02
		54	5.31	0.27	-4.11	0.23	-4.07	-0.44	0.02	-0.17	0.02	-0.17	0.02
		46	4.91	-0.19	-3.92	-0.22	-3.89	0.31	0.21	0.05	0.06	0.20	-0.04
		47	6.38	0.12	-4.70	0.11	-4.69	-0.22	0.04	-0.25	0.04	-0.25	-0.01
44	2	56	44.34	0.42	-37.83	0.41	-37.82	0.41	-0.67	-2.67	-2.67	-0.68	-0.13
		55	26.11	1.30	-22.40	-0.53	-20.56	6.33	1.67	0.45	1.66	0.45	-0.07
		47	34.60	1.47	-24.97	0.31	-23.80	5.42	1.76	-0.48	1.76	-0.48	-0.05
		48	56.03	-0.62	-43.75	-0.62	-43.75	0.18	0.39	-2.82	-2.82	0.39	0.07
44	6	56	29.90	0.34	-25.67	0.33	-25.67	0.36	-0.49	-1.80	-1.80	-0.49	-0.10
		55	17.63	0.79	-15.32	-0.41	-14.13	4.22	1.12	0.33	1.12	0.33	-0.04
		47	23.63	1.02	-17.05	0.25	-16.28	3.65	1.18	-0.34	1.18	-0.34	-0.04
		48	38.06	-0.46	-29.65	-0.46	-29.65	0.05	0.29	-1.90	-1.90	0.29	0.06
44	14	56	7.94	0.55	-6.69	0.49	-6.63	0.65	-0.10	-0.29	-0.14	-0.25	-0.08
		55	7.72	-0.31	-6.38	-0.31	-6.38	8.15e-03	0.28	0.06	0.07	0.28	0.04
		47	7.26	0.23	-6.32	0.21	-6.30	0.30	0.06	-0.12	0.05	-0.11	-0.04
		48	9.09	-0.40	-6.92	-0.44	-6.87	-0.53	0.32	-0.15	-0.13	0.31	0.08
44	46	56	6.44	0.53	-5.03	0.45	-4.96	0.63	-0.11	-0.31	-0.14	-0.28	-0.08
		55	5.88	-0.35	-4.71	-0.35	-4.71	-4.31e-03	0.25	0.06	0.06	0.25	0.04
		47	5.79	0.29	-4.65	0.27	-4.63	0.29	0.05	-0.15	0.05	-0.14	-0.04
		48	7.32	-0.32	-5.26	-0.38	-5.20	-0.54	0.29	-0.15	-0.14	0.28	0.08

45	2	56	44.34	0.42	-37.83	0.41	-37.82	0.41	2.67	0.67	2.67	0.68	0.13
		57	26.11	1.30	-22.39	-0.53	-20.56	6.33	-0.45	-1.67	-1.66	-0.45	0.07
		49	34.60	1.47	-24.97	0.31	-23.80	5.42	0.48	-1.76	-1.76	0.48	0.05
		48	56.03	-0.62	-43.75	-0.62	-43.75	0.18	2.82	-0.39	2.82	-0.39	-0.07
45	6	56	29.90	0.34	-25.67	0.33	-25.67	0.36	1.80	0.49	1.80	0.49	0.10
		57	17.63	0.79	-15.32	-0.41	-14.13	4.22	-0.33	-1.12	-1.12	-0.33	0.04
		49	23.63	1.02	-17.05	0.25	-16.28	3.65	0.34	-1.18	-1.18	0.34	0.04
		48	38.07	-0.46	-29.65	-0.46	-29.65	0.05	1.90	-0.29	1.90	-0.29	-0.06
45	12	56	7.94	0.55	-6.69	0.49	-6.63	0.65	0.29	0.10	0.14	0.25	0.08
		57	7.72	-0.31	-6.38	-0.31	-6.38	6.53e-03	-0.06	-0.28	-0.07	-0.28	-0.04
		49	7.26	0.23	-6.32	0.21	-6.30	0.30	0.12	-0.06	-0.05	0.11	0.04
		48	9.10	-0.40	-6.92	-0.44	-6.87	-0.53	0.15	-0.32	0.13	-0.31	-0.08
45	44	56	6.44	0.53	-5.03	0.45	-4.96	0.63	0.31	0.11	0.14	0.28	0.08
		57	5.88	-0.35	-4.71	-0.35	-4.71	-5.91e-03	-0.06	-0.26	-0.06	-0.25	-0.04
		49	5.79	0.29	-4.65	0.27	-4.63	0.29	0.15	-0.05	-0.05	0.14	0.04
		48	7.32	-0.32	-5.26	-0.38	-5.20	-0.54	0.15	-0.29	0.14	-0.28	-0.08
46	4	57	24.88	1.34	-21.68	-0.33	-20.00	-5.99	-0.61	-1.74	-1.73	-0.62	-0.10
		58	42.88	0.10	-36.86	0.10	-36.86	-0.29	2.44	0.55	2.44	0.55	-0.07
		50	53.16	-0.39	-42.32	-0.40	-42.31	-0.57	2.54	-0.31	2.54	-0.31	7.08e-03
		49	34.96	1.28	-24.26	0.11	-23.09	-5.33	0.62	-1.81	-1.81	0.62	0.01
46	8	57	16.71	0.81	-14.82	-0.25	-13.75	-3.95	-0.45	-1.17	-1.16	-0.45	-0.06
		58	28.77	0.09	-24.91	0.09	-24.90	-0.24	1.63	0.39	1.63	0.39	-0.05
		50	35.82	-0.28	-28.52	-0.29	-28.52	-0.33	1.69	-0.23	1.69	-0.23	9.58e-03
		49	23.94	0.86	-16.58	0.10	-15.81	-3.57	0.45	-1.21	-1.21	0.45	9.72e-03
46	26	57	8.40	-0.13	-6.37	-0.14	-6.37	0.14	-0.08	-0.39	-0.08	-0.39	0.02
		58	6.87	0.32	-5.81	0.27	-5.76	-0.55	0.15	-0.03	-0.03	0.14	-0.03
		50	6.66	-0.28	-5.59	-0.29	-5.58	0.21	-0.06	-0.23	-0.07	-0.23	0.04
		49	7.89	0.05	-6.40	0.04	-6.38	-0.32	0.22	-0.05	-0.05	0.22	0.01
46	58	57	6.56	-0.17	-4.69	-0.19	-4.68	0.25	-0.07	-0.36	-0.07	-0.36	0.02
		58	5.30	0.27	-4.11	0.23	-4.07	-0.44	0.17	-0.02	-0.02	0.17	-0.02
		50	4.90	-0.19	-3.92	-0.22	-3.89	0.31	-0.05	-0.21	-0.06	-0.20	0.04
		49	6.37	0.12	-4.70	0.11	-4.69	-0.22	0.25	-0.04	-0.04	0.25	0.01
47	4	58	42.92	0.11	-36.86	0.11	-36.86	-0.16	2.44	0.54	2.44	0.54	0.04
		59	24.96	1.29	-22.53	-0.31	-20.93	5.97	-0.59	-1.55	-1.55	-0.60	0.09
		51	35.45	1.19	-25.68	0.13	-24.62	5.22	0.63	-1.58	-1.58	0.63	-0.02
		50	53.05	-0.40	-42.32	-0.40	-42.31	0.17	2.54	-0.29	2.54	-0.29	-0.03
47	8	58	28.78	0.10	-24.91	0.10	-24.91	-0.06	1.63	0.39	1.62	0.39	0.03
		59	16.76	0.78	-15.39	-0.24	-14.37	3.93	-0.44	-1.05	-1.04	-0.45	0.06
		51	24.28	0.80	-17.52	0.11	-16.83	3.50	0.45	-1.06	-1.06	0.45	-0.01
		50	35.76	-0.28	-28.52	-0.28	-28.52	0.06	1.68	-0.22	1.68	-0.22	-0.02
47	36	58	6.92	0.32	-5.83	0.29	-5.80	0.40	0.16	-0.01	-0.01	0.15	0.02
		59	8.53	-0.11	-6.43	-0.13	-6.42	-0.28	-0.06	-0.39	-0.06	-0.39	-0.02
		51	7.96	0.04	-6.43	0.03	-6.43	0.18	0.24	-0.03	-0.03	0.24	-0.01
		50	6.87	-0.28	-5.65	-0.30	-5.63	-0.35	-0.04	-0.25	-0.05	-0.24	-0.04
47	68	58	5.36	0.27	-4.12	0.23	-4.09	0.37	0.18	-0.02	-0.01	0.18	0.02
		59	6.66	-0.16	-4.72	-0.18	-4.70	-0.31	-0.06	-0.37	-0.07	-0.36	-0.02
		51	6.44	0.11	-4.72	0.10	-4.72	0.15	0.26	-0.03	-0.03	0.26	-0.01
		50	5.05	-0.19	-3.95	-0.22	-3.91	-0.38	-0.05	-0.22	-0.05	-0.21	-0.04
48	1	59	26.17	1.39	-22.49	-0.53	-20.57	-6.49	-0.45	-1.67	-1.66	-0.45	-0.08
		60	44.99	0.43	-38.20	0.42	-38.19	-0.43	2.75	0.68	2.74	0.69	-0.13
		52	57.01	-0.62	-44.36	-0.62	-44.36	-0.21	2.91	-0.39	2.91	-0.39	0.07
		51	34.70	1.55	-25.05	0.31	-23.81	-5.60	0.49	-1.76	-1.76	0.48	-0.06
48	5	59	17.67	0.84	-15.38	-0.40	-14.13	-4.32	-0.33	-1.12	-1.12	-0.33	-0.05
		60	30.33	0.34	-25.92	0.34	-25.92	-0.37	1.85	0.49	1.85	0.50	-0.10
		52	38.71	-0.46	-30.06	-0.46	-30.06	-0.07	1.96	-0.29	1.96	-0.29	0.06
		51	23.69	1.07	-17.10	0.25	-16.28	-3.77	0.35	-1.18	-1.18	0.34	-0.04

48	19	59	7.63	-0.21	-6.34	-0.21	-6.34	-0.02	-0.05	-0.26	-0.05	-0.26	0.03
		60	8.07	0.66	-6.66	0.60	-6.60	-0.65	0.31	0.11	0.15	0.27	-0.08
		52	8.89	-0.50	-6.88	-0.54	-6.84	0.52	0.16	-0.30	0.15	-0.28	0.08
		51	7.16	0.13	-6.28	0.11	-6.27	-0.31	0.13	-0.04	-0.04	0.12	-0.04
48	51	59	5.81	-0.30	-4.69	-0.30	-4.69	-1.59e-03	-0.05	-0.24	-0.06	-0.23	0.03
		60	6.50	0.58	-5.02	0.50	-4.95	-0.64	0.32	0.11	0.15	0.29	-0.08
		52	7.22	-0.37	-5.25	-0.43	-5.19	0.54	0.16	-0.28	0.14	-0.27	0.08
		51	5.72	0.24	-4.63	0.22	-4.62	-0.29	0.15	-0.05	-0.04	0.14	-0.04
49	1	53	26.17	1.39	-22.49	-0.53	-20.57	-6.49	1.67	0.45	1.66	0.45	0.08
		60	45.00	0.43	-38.20	0.42	-38.19	-0.43	-0.68	-2.75	-2.74	-0.69	0.13
		52	57.00	-0.62	-44.36	-0.62	-44.36	-0.21	0.39	-2.91	-2.91	0.39	-0.07
		45	34.70	1.55	-25.04	0.31	-23.81	-5.60	1.76	-0.48	1.76	-0.48	0.06
49	5	53	17.68	0.84	-15.38	-0.41	-14.13	-4.33	1.12	0.33	1.12	0.33	0.05
		60	30.34	0.34	-25.92	0.34	-25.92	-0.37	-0.49	-1.85	-1.85	-0.50	0.10
		52	38.71	-0.46	-30.06	-0.46	-30.06	-0.07	0.29	-1.96	-1.96	0.29	-0.06
		45	23.69	1.07	-17.10	0.25	-16.28	-3.77	1.18	-0.35	1.18	-0.34	0.04
49	21	53	7.63	-0.21	-6.34	-0.21	-6.34	-0.02	0.26	0.05	0.05	0.26	-0.03
		60	8.07	0.66	-6.66	0.60	-6.60	-0.65	-0.11	-0.31	-0.15	-0.27	0.08
		52	8.89	-0.50	-6.88	-0.54	-6.84	0.52	0.30	-0.16	-0.15	0.28	-0.08
		45	7.16	0.13	-6.28	0.11	-6.27	-0.31	0.04	-0.13	0.04	-0.12	0.04
49	53	53	5.81	-0.30	-4.69	-0.30	-4.69	-3.15e-03	0.24	0.05	0.06	0.23	-0.03
		60	6.50	0.58	-5.02	0.50	-4.95	-0.64	-0.11	-0.32	-0.15	-0.29	0.08
		52	7.22	-0.37	-5.25	-0.43	-5.19	0.54	0.28	-0.16	-0.14	0.26	-0.08
		45	5.72	0.24	-4.63	0.22	-4.62	-0.29	0.05	-0.15	0.04	-0.14	0.04
50	3	62	35.55	0.17	-30.93	0.17	-30.93	-0.05	-0.58	-2.10	-2.09	-0.59	-0.11
		61	24.15	1.47	-19.91	-0.58	-17.86	6.30	1.43	0.84	1.36	0.91	-0.19
		53	32.78	1.53	-22.01	0.37	-20.85	5.09	1.55	-0.83	1.55	-0.83	-0.08
		54	47.74	-0.51	-36.95	-0.51	-36.94	0.23	0.35	-2.45	-2.45	0.35	0.01
50	7	62	23.85	0.16	-20.99	0.16	-20.99	5.04e-04	-0.43	-1.41	-1.40	-0.44	-0.08
		61	16.79	0.88	-13.64	-0.45	-12.31	4.19	0.98	0.63	0.92	0.69	-0.13
		53	22.70	1.04	-15.05	0.29	-14.31	3.38	1.05	-0.62	1.04	-0.62	-0.05
		54	32.35	-0.38	-24.97	-0.38	-24.97	0.11	0.27	-1.63	-1.63	0.27	0.02
50	37	62	7.71	0.28	-5.35	0.25	-5.32	0.41	-0.04	-0.40	-0.04	-0.40	-0.04
		61	8.54	-0.55	-5.57	-0.56	-5.56	0.13	0.58	0.10	0.10	0.58	8.76e-03
		53	9.51	0.48	-5.63	0.48	-5.63	0.09	0.07	-0.57	0.06	-0.57	0.03
		54	6.48	-0.16	-5.12	-0.17	-5.12	-0.19	0.25	-9.58e-03	4.69e-03	0.23	0.06
50	69	62	6.21	0.31	-4.02	0.29	-4.00	0.32	-0.03	-0.37	-0.04	-0.36	-0.04
		61	7.40	-0.52	-4.23	-0.52	-4.23	0.03	0.61	0.10	0.10	0.61	8.90e-03
		53	7.99	0.42	-4.30	0.42	-4.30	-5.59e-03	0.07	-0.54	0.07	-0.54	0.03
		54	5.35	-0.20	-3.81	-0.22	-3.79	-0.28	0.28	-4.20e-03	7.70e-03	0.26	0.06
51	3	63	23.83	1.51	-19.60	-0.59	-17.50	-6.32	1.56	0.85	1.50	0.91	0.20
		62	35.59	0.17	-30.94	0.17	-30.93	-0.38	-0.57	-2.11	-2.09	-0.59	0.14
		54	47.80	-0.50	-36.95	-0.51	-36.94	-0.62	0.36	-2.45	-2.45	0.36	0.02
		55	32.68	1.60	-21.17	0.35	-19.92	-5.19	1.74	-0.83	1.74	-0.82	0.09
51	7	63	16.55	0.90	-13.43	-0.46	-12.06	-4.21	1.06	0.64	1.01	0.69	0.13
		62	23.89	0.16	-20.99	0.15	-20.99	-0.28	-0.42	-1.41	-1.40	-0.43	0.10
		54	32.38	-0.37	-24.97	-0.38	-24.97	-0.37	0.28	-1.63	-1.63	0.28	3.27e-03
		55	22.62	1.09	-14.49	0.28	-13.69	-3.45	1.17	-0.62	1.17	-0.62	0.05
51	32	63	8.41	-0.54	-5.56	-0.55	-5.55	-0.13	0.57	0.11	0.11	0.57	-8.82e-03
		62	7.66	0.29	-5.35	0.26	-5.32	-0.42	-0.02	-0.39	-0.03	-0.38	0.05
		54	6.35	-0.17	-5.12	-0.18	-5.11	0.18	0.23	6.87e-03	0.02	0.22	-0.05
		55	9.52	0.46	-5.62	0.46	-5.61	-0.10	0.08	-0.57	0.08	-0.57	-0.03
51	64	63	7.30	-0.51	-4.23	-0.51	-4.23	-0.03	0.60	0.11	0.11	0.60	-8.98e-03
		62	6.15	0.32	-4.02	0.29	-3.99	-0.32	-0.03	-0.36	-0.03	-0.35	0.05
		54	5.25	-0.20	-3.81	-0.22	-3.79	0.27	0.26	3.42e-03	0.01	0.25	-0.05
		55	7.97	0.41	-4.29	0.41	-4.29	-1.25e-03	0.08	-0.54	0.08	-0.53	-0.03

52	2	64	35.97	0.65	-31.55	0.63	-31.53	0.83	-0.80	-2.30	-2.26	-0.84	-0.24
		63	23.34	1.34	-20.07	-0.90	-17.83	6.55	1.46	0.72	1.43	0.75	-0.15
		55	32.05	1.91	-21.60	0.64	-20.33	5.32	1.71	-0.68	1.70	-0.67	-0.17
		56	50.69	-0.88	-38.02	-0.88	-38.02	-0.04	0.55	-2.69	-2.69	0.55	0.08
52	6	64	24.21	0.53	-21.48	0.51	-21.46	0.65	-0.60	-1.56	-1.53	-0.63	-0.18
		63	16.17	0.78	-13.77	-0.69	-12.30	4.39	0.99	0.55	0.97	0.57	-0.10
		55	22.13	1.33	-14.78	0.50	-13.95	3.56	1.15	-0.51	1.14	-0.50	-0.12
		56	34.64	-0.66	-25.82	-0.66	-25.82	-0.12	0.43	-1.82	-1.82	0.42	0.07
52	15	64	9.32	0.74	-5.99	0.61	-5.86	0.93	-0.12	-0.64	-0.16	-0.60	-0.13
		63	7.74	-0.76	-5.64	-0.79	-5.62	0.37	0.46	0.09	0.10	0.45	0.04
		55	8.95	0.68	-5.54	0.66	-5.53	0.28	0.09	-0.46	0.09	-0.46	-0.04
		56	8.84	-0.43	-6.15	-0.49	-6.10	-0.55	0.39	-0.19	-0.16	0.37	0.12
52	46	64	7.78	0.76	-4.66	0.65	-4.55	0.76	-0.12	-0.60	-0.16	-0.57	-0.13
		63	6.66	-0.74	-4.31	-0.75	-4.30	0.20	0.49	0.09	0.10	0.49	0.04
		55	7.41	0.63	-4.21	0.62	-4.21	0.11	0.09	-0.43	0.09	-0.43	-0.04
		56	7.85	-0.41	-4.89	-0.53	-4.78	-0.71	0.43	-0.19	-0.16	0.40	0.12
53	2	64	35.96	0.65	-31.56	0.63	-31.53	0.83	2.30	0.81	2.26	0.84	0.24
		65	23.33	1.34	-20.07	-0.89	-17.83	6.55	-0.72	-1.46	-1.43	-0.75	0.15
		57	32.05	1.91	-21.60	0.64	-20.33	5.32	0.68	-1.71	-1.70	0.67	0.18
		56	50.70	-0.88	-38.02	-0.88	-38.02	-0.04	2.69	-0.55	2.69	-0.55	-0.08
53	6	64	24.20	0.53	-21.48	0.51	-21.47	0.65	1.56	0.60	1.53	0.63	0.18
		65	16.16	0.78	-13.77	-0.69	-12.30	4.39	-0.55	-0.99	-0.97	-0.57	0.10
		57	22.13	1.33	-14.78	0.50	-13.95	3.56	0.51	-1.15	-1.14	0.50	0.12
		56	34.64	-0.66	-25.82	-0.66	-25.82	-0.12	1.82	-0.43	1.82	-0.42	-0.07
53	9	64	9.32	0.74	-5.99	0.61	-5.86	0.93	0.64	0.12	0.16	0.60	0.13
		65	7.74	-0.76	-5.64	-0.79	-5.62	0.36	-0.09	-0.46	-0.10	-0.45	-0.04
		57	8.95	0.68	-5.54	0.66	-5.53	0.28	0.46	-0.09	-0.09	0.46	0.04
		56	8.84	-0.43	-6.15	-0.49	-6.10	-0.55	0.19	-0.40	0.16	-0.37	-0.12
53	44	64	7.79	0.76	-4.66	0.65	-4.55	0.77	0.61	0.12	0.16	0.57	0.13
		65	6.66	-0.74	-4.31	-0.75	-4.30	0.20	-0.09	-0.49	-0.10	-0.49	-0.04
		57	7.41	0.63	-4.21	0.62	-4.21	0.11	0.43	-0.09	-0.09	0.43	0.04
		56	7.86	-0.41	-4.89	-0.53	-4.78	-0.71	0.19	-0.43	0.16	-0.41	-0.12
54	4	65	23.81	1.51	-19.60	-0.59	-17.50	-6.32	-0.85	-1.56	-1.50	-0.91	-0.20
		66	35.60	0.17	-30.94	0.16	-30.93	-0.38	2.11	0.57	2.09	0.59	-0.14
		58	47.78	-0.50	-36.95	-0.51	-36.94	-0.62	2.45	-0.35	2.45	-0.35	-0.02
		57	32.66	1.60	-21.17	0.35	-19.92	-5.19	0.82	-1.74	-1.74	0.82	-0.09
54	8	65	16.54	0.90	-13.43	-0.46	-12.06	-4.20	-0.64	-1.06	-1.01	-0.69	-0.13
		66	23.90	0.16	-20.99	0.15	-20.99	-0.28	1.41	0.42	1.40	0.43	-0.10
		58	32.37	-0.37	-24.97	-0.38	-24.97	-0.37	1.63	-0.27	1.63	-0.27	-3.26e-03
		57	22.60	1.09	-14.49	0.28	-13.69	-3.45	0.62	-1.17	-1.17	0.61	-0.05
54	26	65	8.40	-0.54	-5.56	-0.54	-5.55	-0.13	-0.11	-0.56	-0.11	-0.56	9.05e-03
		66	7.65	0.29	-5.35	0.26	-5.32	-0.42	0.39	0.02	0.03	0.38	-0.05
		58	6.34	-0.17	-5.12	-0.17	-5.11	0.18	-6.95e-03	-0.23	-0.02	-0.22	0.05
		57	9.51	0.46	-5.62	0.46	-5.61	-0.10	0.56	-0.08	-0.08	0.56	0.03
54	58	65	7.29	-0.51	-4.23	-0.51	-4.23	-0.03	-0.11	-0.60	-0.11	-0.60	9.21e-03
		66	6.14	0.32	-4.02	0.29	-3.99	-0.32	0.36	0.03	0.03	0.35	-0.05
		58	5.25	-0.20	-3.81	-0.22	-3.79	0.27	-3.52e-03	-0.26	-0.02	-0.25	0.05
		57	7.95	0.41	-4.29	0.41	-4.29	-2.34e-03	0.53	-0.08	-0.08	0.53	0.03
55	4	66	35.56	0.17	-30.93	0.17	-30.93	-0.05	2.10	0.58	2.09	0.58	0.11
		67	24.13	1.47	-19.91	-0.58	-17.86	6.30	-0.83	-1.43	-1.36	-0.91	0.19
		59	32.76	1.52	-22.01	0.37	-20.85	5.09	0.83	-1.55	-1.55	0.83	0.08
		58	47.73	-0.51	-36.94	-0.51	-36.94	0.23	2.45	-0.35	2.45	-0.35	-0.01
55	8	66	23.86	0.16	-20.99	0.16	-20.99	2.91e-04	1.41	0.43	1.40	0.43	0.08
		67	16.77	0.88	-13.64	-0.45	-12.30	4.19	-0.63	-0.97	-0.92	-0.69	0.13
		59	22.68	1.04	-15.05	0.29	-14.31	3.38	0.62	-1.05	-1.04	0.62	0.05
		58	32.34	-0.38	-24.97	-0.38	-24.97	0.11	1.63	-0.27	1.63	-0.27	-0.02

55	35	66	7.70	0.28	-5.35	0.25	-5.32	0.41	0.40	0.04	0.04	0.39	0.04
		67	8.53	-0.55	-5.57	-0.55	-5.56	0.12	-0.10	-0.58	-0.10	-0.58	-9.00e-03
		59	9.50	0.48	-5.63	0.47	-5.63	0.09	0.57	-0.07	-0.06	0.57	-0.03
		58	6.47	-0.16	-5.12	-0.16	-5.12	-0.19	9.50e-03	-0.24	-4.87e-03	-0.23	-0.06
55	67	66	6.20	0.31	-4.02	0.29	-4.00	0.32	0.37	0.03	0.04	0.36	0.04
		67	7.38	-0.52	-4.23	-0.52	-4.23	0.03	-0.10	-0.61	-0.10	-0.61	-9.14e-03
		59	7.98	0.42	-4.30	0.42	-4.30	-4.51e-03	0.54	-0.07	-0.07	0.54	-0.03
		58	5.35	-0.20	-3.81	-0.22	-3.79	-0.28	4.10e-03	-0.27	-7.88e-03	-0.26	-0.06
56	1	67	23.56	1.44	-20.17	-0.89	-17.84	-6.70	-0.71	-1.47	-1.43	-0.75	-0.17
		68	36.35	0.66	-31.70	0.64	-31.68	-0.85	2.36	0.81	2.32	0.85	-0.24
		60	51.37	-0.88	-38.39	-0.88	-38.39	0.01	2.77	-0.55	2.76	-0.55	0.08
		59	32.10	1.99	-21.69	0.64	-20.34	-5.49	0.68	-1.71	-1.70	0.67	-0.19
56	5	67	16.31	0.85	-13.84	-0.69	-12.30	-4.49	-0.54	-0.99	-0.96	-0.57	-0.11
		68	24.46	0.53	-21.58	0.51	-21.56	-0.67	1.60	0.60	1.57	0.64	-0.18
		60	35.09	-0.66	-26.07	-0.66	-26.07	0.11	1.87	-0.42	1.86	-0.42	0.07
		59	22.15	1.38	-14.84	0.50	-13.96	-3.67	0.51	-1.15	-1.14	0.50	-0.13
56	19	67	7.73	-0.87	-5.56	-0.87	-5.55	-0.20	-0.08	-0.47	-0.09	-0.46	0.04
		68	8.99	0.61	-5.89	0.52	-5.80	-0.77	0.61	0.13	0.17	0.57	-0.13
		60	9.10	-0.29	-6.12	-0.38	-6.03	0.71	0.20	-0.42	0.17	-0.40	0.12
		59	8.75	0.77	-5.46	0.77	-5.46	-0.12	0.44	-0.08	-0.08	0.43	-0.05
56	51	67	6.63	-0.78	-4.28	-0.79	-4.27	-0.19	-0.09	-0.49	-0.09	-0.49	0.04
		68	7.63	0.71	-4.63	0.60	-4.52	-0.76	0.59	0.13	0.17	0.55	-0.13
		60	7.95	-0.36	-4.87	-0.47	-4.75	0.72	0.19	-0.44	0.17	-0.42	0.12
		59	7.29	0.67	-4.18	0.67	-4.18	-0.11	0.41	-0.09	-0.08	0.41	-0.04
57	1	61	23.57	1.44	-20.17	-0.89	-17.84	-6.71	1.47	0.71	1.43	0.75	0.17
		68	36.35	0.66	-31.70	0.64	-31.68	-0.85	-0.81	-2.36	-2.32	-0.85	0.24
		60	51.36	-0.88	-38.39	-0.88	-38.39	0.01	0.55	-2.77	-2.76	0.55	-0.08
		53	32.10	1.99	-21.69	0.64	-20.34	-5.49	1.71	-0.68	1.70	-0.67	0.19
57	5	61	16.31	0.85	-13.84	-0.69	-12.30	-4.50	0.99	0.54	0.97	0.57	0.11
		68	24.47	0.54	-21.58	0.52	-21.56	-0.67	-0.60	-1.60	-1.57	-0.63	0.18
		60	35.09	-0.66	-26.07	-0.66	-26.07	0.11	0.42	-1.87	-1.86	0.42	-0.07
		53	22.15	1.38	-14.83	0.50	-13.96	-3.67	1.15	-0.51	1.14	-0.50	0.13
57	21	61	7.73	-0.87	-5.56	-0.88	-5.55	-0.20	0.47	0.08	0.09	0.46	-0.04
		68	8.99	0.61	-5.89	0.52	-5.80	-0.77	-0.13	-0.61	-0.17	-0.57	0.13
		60	9.10	-0.29	-6.12	-0.38	-6.03	0.71	0.42	-0.20	-0.17	0.40	-0.12
		53	8.75	0.77	-5.46	0.77	-5.46	-0.11	0.08	-0.44	0.08	-0.43	0.05
57	53	61	6.63	-0.78	-4.28	-0.79	-4.27	-0.20	0.49	0.09	0.09	0.49	-0.04
		68	7.62	0.71	-4.63	0.61	-4.52	-0.76	-0.13	-0.59	-0.17	-0.55	0.13
		60	7.95	-0.36	-4.87	-0.48	-4.75	0.72	0.44	-0.19	-0.17	0.42	-0.12
		53	7.29	0.68	-4.18	0.67	-4.18	-0.11	0.09	-0.41	0.08	-0.41	0.04
58	3	70	26.43	0.23	-24.26	0.23	-24.25	-0.37	-0.60	-1.56	-1.52	-0.64	-0.19
		69	27.48	2.04	-18.76	-1.10	-15.62	7.45	1.71	0.91	1.02	1.60	-0.27
		61	31.91	1.89	-18.77	0.86	-17.74	4.49	1.37	-1.36	1.36	-1.35	-0.16
		62	41.08	-0.70	-31.09	-0.71	-31.08	0.66	0.45	-2.10	-2.10	0.45	0.02
58	7	70	17.75	0.22	-16.59	0.21	-16.58	-0.27	-0.45	-1.06	-1.03	-0.49	-0.14
		69	19.46	1.27	-12.91	-0.86	-10.78	5.06	1.29	0.64	0.70	1.24	-0.18
		61	22.50	1.29	-12.83	0.67	-12.21	2.90	0.93	-1.03	0.92	-1.03	-0.10
		62	28.08	-0.52	-21.11	-0.53	-21.10	0.42	0.36	-1.41	-1.41	0.36	0.02
58	37	70	7.57	0.53	-4.96	0.53	-4.96	-0.03	-0.07	-0.45	-0.09	-0.43	-0.09
		69	11.65	-0.65	-4.81	-0.86	-4.60	0.91	1.28	0.14	0.14	1.28	-9.04e-04
		61	11.12	0.71	-4.78	0.67	-4.73	-0.51	0.11	-0.95	0.11	-0.94	0.04
		62	7.56	-0.49	-4.71	-0.49	-4.71	0.05	0.49	-0.07	-0.05	0.48	0.09
58	69	70	6.80	0.50	-4.01	0.50	-4.01	-0.12	-0.07	-0.47	-0.09	-0.45	-0.09
		69	10.57	-0.67	-3.88	-0.89	-3.65	0.82	1.26	0.14	0.14	1.26	-2.45e-03
		61	10.34	0.79	-3.86	0.70	-3.78	-0.61	0.11	-0.97	0.11	-0.97	0.04
		62	6.49	-0.45	-3.76	-0.45	-3.76	-0.05	0.47	-0.07	-0.05	0.45	0.09

59	3	71	27.53	2.02	-18.94	-1.11	-15.81	-7.47	1.72	0.98	1.11	1.59	0.28
		70	26.52	0.22	-24.25	0.22	-24.25	-0.04	-0.58	-1.58	-1.52	-0.63	0.23
		62	41.11	-0.67	-31.11	-0.71	-31.07	-1.04	0.45	-2.10	-2.10	0.45	0.02
		63	32.11	1.93	-18.47	0.84	-17.38	-4.58	1.51	-1.35	1.50	-1.34	0.17
59	7	71	19.48	1.26	-13.03	-0.86	-10.91	-5.08	1.29	0.69	0.76	1.23	0.19
		70	17.83	0.21	-16.59	0.21	-16.59	1.08e-03	-0.44	-1.07	-1.03	-0.48	0.17
		62	28.08	-0.51	-21.12	-0.53	-21.10	-0.68	0.36	-1.41	-1.41	0.36	-1.85e-03
		63	22.62	1.32	-12.63	0.66	-11.97	-2.96	1.02	-1.03	1.02	-1.02	0.11
59	31	71	11.64	-0.70	-4.79	-0.87	-4.63	-0.81	1.28	0.14	0.14	1.28	4.44e-03
		70	7.59	0.52	-4.99	0.52	-4.99	0.14	-0.06	-0.44	-0.08	-0.42	0.09
		62	7.52	-0.48	-4.74	-0.48	-4.74	0.05	0.48	-0.06	-0.04	0.47	-0.09
		63	11.10	0.74	-4.82	0.67	-4.75	0.61	0.12	-0.93	0.12	-0.93	-0.04
59	63	71	10.53	-0.70	-3.86	-0.89	-3.66	-0.77	1.26	0.14	0.14	1.26	4.15e-03
		70	6.78	0.50	-4.03	0.49	-4.02	0.18	-0.06	-0.46	-0.08	-0.44	0.09
		62	6.45	-0.44	-3.78	-0.45	-3.78	0.09	0.46	-0.06	-0.05	0.44	-0.09
		63	10.31	0.80	-3.88	0.71	-3.79	0.65	0.12	-0.95	0.12	-0.95	-0.04
60	2	72	28.01	0.91	-24.56	0.86	-24.51	1.02	-0.92	-1.84	-1.63	-1.13	-0.39
		71	26.77	1.71	-19.15	-1.50	-15.94	7.52	1.57	0.97	1.05	1.49	-0.20
		63	31.51	2.40	-18.63	1.24	-17.46	4.82	1.51	-1.25	1.48	-1.22	-0.29
		64	44.57	-1.28	-31.87	-1.28	-31.87	-0.07	0.85	-2.30	-2.30	0.85	0.14
60	6	72	19.77	0.74	-16.82	0.71	-16.79	0.78	-0.68	-1.30	-1.11	-0.87	-0.29
		71	18.92	1.02	-13.20	-1.16	-11.01	5.13	1.19	0.68	0.71	1.15	-0.13
		63	22.18	1.69	-12.74	0.96	-12.01	3.16	1.02	-0.95	1.00	-0.93	-0.20
		64	30.79	-0.97	-21.73	-0.97	-21.73	-0.16	0.67	-1.56	-1.56	0.66	0.12
60	15	72	10.03	1.17	-5.33	1.05	-5.20	0.88	-0.10	-0.86	-0.17	-0.79	-0.22
		71	11.33	-0.88	-5.02	-1.14	-4.76	1.01	1.22	0.12	0.12	1.22	0.05
		63	10.71	0.98	-4.64	0.97	-4.63	-0.25	0.14	-0.84	0.14	-0.84	-0.06
		64	10.82	-0.83	-5.55	-0.93	-5.45	-0.67	0.83	-0.23	-0.19	0.80	0.20
60	47	72	9.26	1.13	-4.36	1.01	-4.24	0.80	-0.10	-0.90	-0.17	-0.83	-0.22
		71	10.20	-0.89	-4.09	-1.19	-3.80	0.92	1.20	0.12	0.12	1.19	0.05
		63	9.97	1.03	-3.69	1.01	-3.67	-0.34	0.14	-0.87	0.14	-0.86	-0.06
		64	9.80	-0.74	-4.64	-0.89	-4.49	-0.76	0.80	-0.23	-0.20	0.76	0.20
61	2	72	28.01	0.90	-24.56	0.86	-24.51	1.02	1.84	0.92	1.63	1.13	0.39
		73	26.75	1.71	-19.14	-1.50	-15.94	7.52	-0.97	-1.57	-1.05	-1.49	0.20
		65	31.51	2.40	-18.63	1.23	-17.46	4.82	1.25	-1.51	-1.48	1.22	0.29
		64	44.57	-1.28	-31.87	-1.28	-31.87	-0.07	2.30	-0.85	2.30	-0.85	-0.14
61	6	72	19.77	0.74	-16.82	0.70	-16.79	0.78	1.30	0.68	1.11	0.87	0.29
		73	18.91	1.02	-13.20	-1.16	-11.01	5.12	-0.68	-1.19	-0.71	-1.15	0.13
		65	22.18	1.69	-12.74	0.96	-12.01	3.16	0.95	-1.02	-1.00	0.93	0.20
		64	30.80	-0.97	-21.73	-0.97	-21.73	-0.16	1.56	-0.67	1.56	-0.66	-0.12
61	9	72	10.03	1.17	-5.33	1.05	-5.20	0.89	0.86	0.10	0.17	0.79	0.22
		73	11.33	-0.88	-5.02	-1.14	-4.76	1.00	-0.12	-1.22	-0.12	-1.22	-0.05
		65	10.71	0.98	-4.64	0.97	-4.63	-0.25	0.84	-0.14	-0.14	0.84	0.06
		64	10.83	-0.83	-5.55	-0.93	-5.45	-0.67	0.23	-0.83	0.19	-0.80	-0.20
61	41	72	9.26	1.13	-4.36	1.01	-4.24	0.80	0.90	0.10	0.17	0.83	0.22
		73	10.19	-0.89	-4.09	-1.18	-3.80	0.92	-0.12	-1.19	-0.12	-1.19	-0.05
		65	9.96	1.03	-3.69	1.01	-3.67	-0.33	0.87	-0.14	-0.14	0.86	0.06
		64	9.80	-0.74	-4.64	-0.89	-4.49	-0.76	0.23	-0.80	0.20	-0.76	-0.20
62	4	73	27.50	2.02	-18.94	-1.10	-15.81	-7.47	-0.98	-1.72	-1.11	-1.59	-0.28
		74	26.54	0.22	-24.25	0.22	-24.25	-0.04	1.58	0.57	1.52	0.63	-0.23
		66	41.09	-0.67	-31.11	-0.71	-31.07	-1.04	2.10	-0.45	2.10	-0.45	-0.02
		65	32.08	1.93	-18.47	0.84	-17.38	-4.58	1.34	-1.51	-1.50	1.33	-0.17
62	8	73	19.45	1.26	-13.03	-0.86	-10.91	-5.08	-0.69	-1.29	-0.76	-1.22	-0.18
		74	17.84	0.21	-16.58	0.21	-16.58	1.62e-03	1.07	0.43	1.03	0.48	-0.17
		66	28.07	-0.50	-21.12	-0.53	-21.10	-0.68	1.41	-0.36	1.41	-0.36	1.80e-03
		65	22.60	1.32	-12.63	0.66	-11.97	-2.96	1.02	-1.02	-1.01	1.02	-0.11

62	25	73	11.62	-0.70	-4.79	-0.86	-4.63	-0.80	-0.14	-1.28	-0.14	-1.28	-4.11e-03
		74	7.57	0.52	-4.99	0.52	-4.99	0.14	0.44	0.06	0.08	0.41	-0.09
		66	7.50	-0.48	-4.74	-0.48	-4.74	0.05	0.06	-0.48	0.04	-0.47	0.09
		65	11.08	0.74	-4.82	0.67	-4.75	0.61	0.93	-0.12	-0.12	0.92	0.04
62	57	73	10.51	-0.69	-3.86	-0.89	-3.66	-0.76	-0.14	-1.25	-0.14	-1.25	-3.83e-03
		74	6.77	0.50	-4.03	0.49	-4.02	0.18	0.46	0.06	0.08	0.44	-0.09
		66	6.43	-0.44	-3.78	-0.44	-3.78	0.09	0.06	-0.46	0.05	-0.44	0.09
		65	10.28	0.80	-3.88	0.70	-3.79	0.65	0.95	-0.12	-0.12	0.95	0.04
63	4	74	26.44	0.23	-24.26	0.22	-24.25	-0.37	1.56	0.59	1.52	0.63	0.19
		75	27.45	2.04	-18.76	-1.10	-15.62	7.45	-0.91	-1.71	-1.02	-1.60	0.27
		67	31.88	1.88	-18.77	0.86	-17.74	4.49	1.35	-1.37	-1.36	1.34	0.16
		66	41.06	-0.70	-31.09	-0.71	-31.08	0.66	2.10	-0.45	2.10	-0.45	-0.02
63	8	74	17.77	0.22	-16.59	0.21	-16.58	-0.27	1.06	0.45	1.03	0.48	0.14
		75	19.43	1.27	-12.91	-0.86	-10.78	5.06	-0.64	-1.29	-0.70	-1.23	0.18
		67	22.48	1.29	-12.84	0.67	-12.21	2.90	1.03	-0.93	-0.92	1.03	0.10
		66	28.06	-0.52	-21.11	-0.53	-21.10	0.43	1.41	-0.36	1.41	-0.36	-0.02
63	35	74	7.55	0.53	-4.96	0.53	-4.96	-0.03	0.44	0.07	0.09	0.42	0.08
		75	11.63	-0.65	-4.81	-0.86	-4.60	0.91	-0.14	-1.28	-0.14	-1.28	5.76e-04
		67	11.10	0.71	-4.78	0.66	-4.73	-0.51	0.94	-0.11	-0.11	0.94	-0.04
		66	7.54	-0.49	-4.71	-0.49	-4.71	0.05	0.07	-0.49	0.05	-0.48	-0.09
63	67	74	6.78	0.50	-4.01	0.50	-4.01	-0.12	0.47	0.07	0.09	0.45	0.09
		75	10.54	-0.67	-3.88	-0.89	-3.65	0.81	-0.14	-1.26	-0.14	-1.26	2.13e-03
		67	10.32	0.78	-3.86	0.70	-3.78	-0.60	0.96	-0.11	-0.11	0.96	-0.04
		66	6.48	-0.45	-3.76	-0.45	-3.76	-0.05	0.07	-0.47	0.05	-0.45	-0.09
64	1	75	26.98	1.82	-19.26	-1.49	-15.95	-7.67	-0.96	-1.58	-1.05	-1.49	-0.22
		76	27.88	0.91	-24.48	0.86	-24.44	-1.05	1.87	0.92	1.67	1.13	-0.39
		68	44.94	-1.27	-32.02	-1.27	-32.02	0.05	2.36	-0.85	2.35	-0.85	0.14
		67	31.53	2.48	-18.71	1.23	-17.47	-4.99	1.25	-1.51	-1.48	1.21	-0.31
64	5	75	19.05	1.09	-13.27	-1.16	-11.02	-5.22	-0.67	-1.19	-0.71	-1.15	-0.14
		76	19.68	0.74	-16.78	0.70	-16.74	-0.79	1.32	0.68	1.13	0.87	-0.29
		68	31.04	-0.96	-21.83	-0.96	-21.83	0.14	1.60	-0.67	1.60	-0.66	0.12
		67	22.18	1.74	-12.79	0.96	-12.01	-3.27	0.95	-1.03	-1.00	0.93	-0.21
64	35	75	10.45	-1.15	-4.06	-1.16	-4.05	0.17	-0.11	-1.20	-0.11	-1.19	0.05
		76	9.95	1.04	-4.51	1.03	-4.50	0.28	0.91	0.10	0.17	0.84	-0.22
		68	10.77	-0.18	-5.49	-0.93	-4.74	1.84	0.25	-0.79	0.21	-0.75	0.20
		67	10.44	1.35	-4.30	0.97	-3.92	1.41	0.85	-0.13	-0.13	0.85	-0.06
64	51	75	10.06	-0.89	-4.01	-1.15	-3.75	-0.85	-0.11	-1.18	-0.11	-1.18	0.05
		76	9.33	1.14	-4.30	1.04	-4.20	-0.74	0.91	0.10	0.17	0.84	-0.22
		68	9.69	-0.75	-4.63	-0.94	-4.45	0.82	0.24	-0.78	0.20	-0.74	0.20
		67	9.91	0.99	-3.66	0.96	-3.63	0.39	0.87	-0.13	-0.13	0.87	-0.06
65	1	69	26.99	1.82	-19.26	-1.50	-15.95	-7.67	1.58	0.96	1.05	1.49	0.22
		76	27.88	0.91	-24.48	0.87	-24.44	-1.04	-0.92	-1.87	-1.67	-1.13	0.39
		68	44.93	-1.28	-32.02	-1.28	-32.02	0.04	0.85	-2.36	-2.35	0.84	-0.14
		61	31.53	2.48	-18.71	1.24	-17.47	-4.98	1.51	-1.25	1.48	-1.21	0.31
65	5	69	19.05	1.10	-13.27	-1.16	-11.02	-5.23	1.19	0.67	0.71	1.15	0.14
		76	19.68	0.74	-16.78	0.71	-16.74	-0.79	-0.68	-1.32	-1.13	-0.87	0.29
		68	31.03	-0.96	-21.83	-0.97	-21.83	0.14	0.67	-1.60	-1.60	0.66	-0.12
		61	22.19	1.74	-12.79	0.96	-12.01	-3.27	1.03	-0.95	1.00	-0.93	0.21
65	37	69	10.45	-1.15	-4.06	-1.16	-4.05	0.17	1.20	0.11	0.11	1.20	-0.04
		76	9.94	1.04	-4.51	1.03	-4.50	0.29	-0.10	-0.91	-0.17	-0.84	0.22
		68	10.77	-0.18	-5.49	-0.93	-4.75	1.84	0.79	-0.25	-0.21	0.75	-0.20
		61	10.44	1.35	-4.30	0.97	-3.92	1.42	0.13	-0.85	0.13	-0.85	0.05
65	53	69	10.07	-0.89	-4.01	-1.15	-3.75	-0.85	1.18	0.11	0.11	1.18	-0.05
		76	9.33	1.14	-4.30	1.04	-4.20	-0.73	-0.10	-0.91	-0.17	-0.84	0.22
		68	9.69	-0.75	-4.63	-0.94	-4.45	0.82	0.78	-0.24	-0.20	0.74	-0.20
		61	9.92	1.00	-3.66	0.96	-3.63	0.40	0.13	-0.87	0.13	-0.87	0.06

66	3	156	3.17	6.80	0.52	0.92	6.40	-1.53	-651.02	-921.46	-716.01	-856.47	-115.55
		5	4.32	10.07	-11.68	9.59	-11.20	-3.19	-742.19	-1266.29	-861.18	-1147.31	-219.55
		91	2.96	0.25	-9.72	0.09	-9.56	1.25	-534.31	-865.24	-649.41	-750.14	-157.61
		8	4.63	14.10	-1.14	4.49	8.46	-7.36	-987.30	-1331.66	-1018.26	-1300.70	-98.51
66	7	156	2.26	4.63	0.37	0.64	4.37	-1.03	-478.65	-653.90	-525.04	-607.51	-77.31
		5	3.02	6.80	-7.86	6.48	-7.54	-2.13	-540.00	-884.91	-621.74	-803.18	-146.66
		91	2.10	0.18	-6.54	0.07	-6.43	0.86	-397.06	-613.92	-478.29	-532.69	-104.96
		8	3.23	9.52	-0.75	3.03	5.74	-4.95	-705.39	-924.75	-727.41	-902.73	-65.92
66	37	156	1.48	1.00	0.09	0.10	1.00	0.04	-354.62	-421.27	-412.73	-363.16	-22.28
		5	1.49	0.35	-1.40	0.34	-1.39	0.13	-354.69	-423.83	-410.45	-368.07	-27.31
		91	1.40	-0.22	-1.22	-0.25	-1.20	0.16	-319.63	-405.15	-398.54	-326.25	-22.85
		8	1.50	1.17	0.02	0.19	1.01	-0.40	-351.36	-430.21	-424.38	-357.19	-20.64
66	69	156	1.35	0.86	0.15	0.15	0.86	-0.03	-315.10	-386.37	-384.33	-317.13	-11.86
		5	1.35	0.51	-0.98	0.51	-0.98	0.05	-322.94	-386.36	-382.92	-326.38	-14.36
		91	1.26	-0.05	-0.82	-0.09	-0.78	0.17	-282.72	-369.69	-368.38	-284.03	-10.61
		8	1.36	1.05	0.05	0.24	0.87	-0.39	-309.21	-394.78	-393.36	-310.63	-10.93
67	2	154	3.07	7.71	-3.15	-3.05	7.62	0.99	-659.80	-911.33	-909.32	-661.81	22.40
		10	4.45	3.61	-24.70	-12.19	-8.90	14.06	-813.26	-1231.42	-1215.45	-829.23	80.13
		92	3.19	6.00	-2.13	5.96	-2.09	0.54	-397.07	-937.34	-916.95	-417.46	102.96
		88	3.08	2.50	-10.63	-5.48	-2.66	6.41	-525.40	-899.24	-898.07	-526.58	20.91
67	6	154	2.20	5.24	-2.09	-2.03	5.18	0.66	-476.56	-652.19	-651.01	-477.74	14.35
		10	3.14	2.43	-16.69	-8.21	-6.05	9.50	-581.63	-870.52	-860.27	-591.88	53.44
		92	2.27	4.08	-1.43	4.06	-1.40	0.36	-298.52	-671.19	-658.24	-311.47	68.24
		88	2.20	1.68	-7.17	-3.69	-1.80	4.32	-383.70	-643.85	-643.18	-384.38	13.23
67	15	154	1.40	0.66	-0.65	-0.64	0.65	0.12	-314.01	-412.06	-411.62	-314.46	6.60
		10	1.58	0.24	-2.34	-1.28	-0.82	1.27	-344.66	-455.92	-453.16	-347.42	17.31
		92	1.40	0.72	-0.13	0.50	0.09	0.37	-299.44	-415.81	-415.18	-300.07	8.55
		88	1.33	0.21	-0.82	-0.39	-0.22	0.51	-287.36	-393.79	-393.79	-287.36	0.07
67	47	154	1.28	0.70	-0.29	-0.28	0.69	0.07	-293.54	-372.52	-372.51	-293.55	0.91
		10	1.43	0.22	-2.00	-0.93	-0.84	1.11	-318.54	-413.37	-412.61	-319.30	8.45
		92	1.29	0.62	-0.05	0.56	7.17e-03	0.19	-273.47	-382.62	-382.56	-273.53	2.57
		88	1.23	0.17	-0.72	-0.32	-0.23	0.44	-267.95	-362.69	-362.61	-268.03	-2.74
68	1	260	2.17	0.92	-1.79	-0.63	-0.24	1.34	-81.75	-604.49	-571.54	-114.70	127.03
		259	2.16	0.78	-2.14	-0.95	-0.41	1.44	-92.28	-605.04	-584.30	-113.03	101.02
		104	2.79	0.97	-3.60	-1.75	-0.88	2.24	-335.54	-838.27	-831.74	-342.08	56.95
		108	2.91	0.68	-3.18	-1.38	-1.13	1.93	-290.32	-863.59	-830.16	-323.76	134.35
68	5	260	1.56	0.62	-1.19	-0.41	-0.16	0.90	-71.24	-441.83	-421.62	-91.45	84.16
		259	1.55	0.52	-1.43	-0.63	-0.28	0.96	-77.40	-440.36	-427.59	-90.17	66.89
		104	1.99	0.66	-2.41	-1.16	-0.59	1.50	-252.61	-599.88	-595.96	-256.53	36.73
		108	2.07	0.46	-2.13	-0.91	-0.76	1.29	-223.79	-618.74	-597.66	-244.87	88.78
68	18	260	1.10	0.24	-0.29	-0.03	-0.03	0.27	-119.99	-335.23	-334.53	-120.69	12.24
		259	1.04	0.21	-0.24	-0.03	-6.16e-03	0.23	-119.23	-316.07	-315.55	-119.75	10.11
		104	1.20	0.14	-0.53	-0.29	-0.10	0.32	-226.88	-364.35	-364.25	-226.98	3.79
		108	1.27	0.12	-0.53	-0.27	-0.14	0.31	-230.19	-385.49	-384.86	-230.82	9.87
68	50	260	1.05	0.14	-0.15	9.05e-03	-0.01	0.14	-116.34	-319.05	-318.98	-116.41	3.85
		259	0.98	0.12	-0.12	4.45e-03	-5.22e-03	0.12	-115.27	-300.02	-299.96	-115.33	3.12
		104	1.11	0.11	-0.29	-0.10	-0.07	0.20	-220.01	-336.79	-336.71	-220.08	-2.98
		108	1.18	0.08	-0.27	-0.09	-0.10	0.18	-224.05	-357.38	-357.36	-224.07	1.71
69	4	98	87.24	3.16	-2.54	2.49	-1.87	1.83	11.41	-3.88	-1.11	8.64	-5.89
		3	60.61	5.17	-4.46	4.25	-3.54	2.83	8.80	-0.29	1.72	6.79	-3.77
		4	97.94	2.89	-1.98	2.44	-1.54	-1.41	15.77	-0.11	9.56	6.11	-7.75
69	8	98	66.50	2.08	-1.68	1.64	-1.24	1.21	8.76	-2.99	-0.86	6.63	-4.53
		3	45.73	3.41	-2.94	2.80	-2.33	1.87	6.75	-0.22	1.32	5.21	-2.89
		4	74.96	1.92	-1.33	1.62	-1.03	-0.94	12.12	-0.09	7.35	4.68	-5.96
69	14	98	63.42	0.76	-0.64	0.43	-0.32	-0.59	8.70	-2.97	-0.85	6.58	-4.50
		3	41.29	0.75	-0.64	0.35	-0.24	-0.63	6.68	-0.20	1.33	5.16	-2.86

		4	73.76	0.73	-0.65	0.51	-0.43	-0.51	12.08	-0.12	7.36	4.60	-5.94
69	46	98	63.18	0.36	-0.33	0.13	-0.10	-0.33	8.67	-2.97	-0.86	6.56	-4.49
		3	40.98	0.37	-0.36	0.05	-0.03	-0.36	6.66	-0.20	1.32	5.14	-2.85
		4	73.13	0.32	-0.33	0.21	-0.22	-0.24	12.06	-0.12	7.35	4.58	-5.93
70	3	88	2.63	2.91	-3.64	0.67	-1.40	3.11	-607.35	-761.70	-608.89	-760.17	-15.30
		92	3.23	2.98	-9.24	1.53	-7.79	3.95	-795.07	-864.81	-796.25	-863.63	8.99
		96	2.67	2.55	-3.00	2.55	-2.99	0.18	-670.51	-741.76	-692.44	-719.83	-32.89
		97	2.50	2.09	-5.45	0.17	-3.53	3.28	-605.48	-696.43	-622.18	-679.72	-35.21
70	7	88	1.89	1.97	-2.44	0.46	-0.93	2.10	-448.80	-541.09	-450.14	-539.75	-11.04
		92	2.30	2.01	-6.22	1.03	-5.24	2.66	-576.99	-610.50	-578.05	-609.44	5.87
		96	1.92	1.73	-2.00	1.72	-2.00	0.12	-486.33	-530.86	-507.22	-509.97	-22.22
		97	1.80	1.40	-3.66	0.12	-2.37	2.20	-443.50	-497.70	-458.23	-482.97	-24.11
70	15	88	1.31	0.31	-0.33	-0.07	0.05	0.32	-277.22	-390.45	-390.45	-277.22	0.12
		92	1.37	0.24	-0.40	0.02	-0.17	0.30	-277.50	-412.75	-412.06	-278.19	9.60
		96	1.29	0.22	-0.12	-0.02	0.12	0.16	-248.76	-391.68	-390.99	-249.44	9.85
		97	1.25	0.17	-0.52	-0.23	-0.12	0.34	-251.73	-375.79	-375.71	-251.81	3.12
70	48	88	1.21	0.27	-0.21	0.01	0.05	0.24	-261.66	-360.15	-360.05	-261.76	-3.17
		92	1.27	0.21	-0.41	0.08	-0.28	0.25	-264.84	-382.26	-382.11	-264.99	4.14
		96	1.21	0.14	-0.02	0.09	0.02	0.07	-237.05	-365.75	-365.64	-237.15	3.62
		97	1.16	0.13	-0.34	-0.10	-0.11	0.23	-237.26	-349.91	-349.91	-237.27	-0.96
71	3	40	160.95	0.48	-2.46	0.48	-2.46	-0.05	26.04	-0.99	25.10	-0.04	-4.96
		106	183.87	0.33	-0.08	0.03	0.22	-0.18	-24.68	-34.27	-24.99	-33.96	-1.70
		80	184.62	3.03	-2.29	2.99	-2.25	-0.46	26.17	-6.76	-6.21	25.61	-4.25
		39	118.86	1.86	-2.22	-0.10	-0.26	-2.03	15.06	-6.62	4.26	4.18	-10.84
71	8	40	124.06	1.31	-1.04	1.14	-0.87	0.61	20.08	-0.79	19.34	-0.04	-3.87
		106	141.61	0.17	-0.51	0.17	-0.50	-0.06	-19.01	-26.34	-19.24	-26.11	-1.28
		80	139.46	0.49	-0.27	-0.27	0.49	0.04	20.09	-5.20	-4.77	19.66	-3.30
		39	91.54	1.41	-1.55	0.23	-0.37	1.45	11.64	-5.08	3.32	3.24	-8.36
71	38	40	123.03	0.08	-0.08	-0.06	0.06	0.05	20.09	-0.78	19.36	-0.05	-3.83
		106	141.55	0.22	-0.47	0.02	-0.27	0.31	-19.00	-26.38	-19.23	-26.14	-1.29
		80	139.24	0.48	-0.33	0.37	-0.22	0.28	20.07	-5.21	-4.77	19.63	-3.29
		39	89.16	0.50	-0.07	0.48	-0.04	-0.11	11.61	-5.08	3.31	3.22	-8.35
71	70	40	123.05	0.14	-0.08	-0.08	0.14	0.01	20.08	-0.78	19.35	-0.05	-3.84
		106	141.42	0.10	-0.23	5.36e-04	-0.13	0.15	-19.00	-26.36	-19.24	-26.13	-1.29
		80	138.96	0.19	-0.16	0.10	-0.07	0.15	20.08	-5.21	-4.77	19.65	-3.29
		39	89.06	0.23	-0.01	0.21	4.33e-03	-0.07	11.61	-5.08	3.31	3.22	-8.35
72	4	261	0.97	1.39	-1.73	0.38	-0.72	1.46	-119.03	-283.82	-180.67	-222.18	79.74
		256	0.90	1.15	-2.09	-0.01	-0.93	1.56	-14.67	-230.75	-71.48	-173.93	95.12
		82	1.44	1.39	-1.39	-0.06	0.06	1.39	-8.20	-377.92	-79.85	-306.27	146.14
		250	1.58	1.75	-2.10	-0.16	-0.20	1.93	-107.37	-450.60	-177.37	-380.60	138.30
72	8	261	0.69	0.93	-1.15	0.25	-0.48	0.97	-96.00	-204.58	-139.01	-161.56	53.11
		256	0.63	0.77	-1.40	-8.45e-03	-0.62	1.04	-19.99	-165.77	-57.41	-128.35	63.68
		82	1.01	0.93	-0.93	-0.04	0.04	0.93	-18.77	-272.62	-64.01	-227.39	97.14
		250	1.12	1.17	-1.41	-0.11	-0.13	1.29	-93.34	-323.52	-138.34	-278.53	91.28
72	19	261	0.52	0.15	-0.22	-0.10	0.03	0.17	-111.72	-153.36	-153.26	-111.82	2.02
		256	0.36	0.15	-0.19	-0.10	0.06	0.15	-86.04	-105.31	-87.25	-104.10	4.67
		82	0.60	0.15	-0.26	-0.17	0.06	0.17	-93.80	-184.98	-93.81	-184.98	0.43
		250	0.69	0.15	-0.30	-0.18	0.03	0.20	-163.01	-197.33	-163.62	-196.72	-4.56
72	51	261	0.49	0.09	-0.11	-0.04	0.02	0.10	-106.12	-146.02	-146.01	-106.14	0.78
		256	0.34	0.08	-0.10	-0.05	0.03	0.08	-79.41	-98.91	-79.98	-98.34	3.29
		82	0.58	0.09	-0.13	-0.08	0.04	0.09	-87.08	-179.33	-87.09	-179.32	-0.89
		250	0.66	0.10	-0.15	-0.09	0.03	0.11	-155.99	-192.09	-156.92	-191.15	-5.74
73	3	251	1.71	1.45	-2.00	-0.30	-0.25	-1.72	-85.63	-479.27	-177.50	-387.41	-166.50
		157	1.54	1.44	-1.59	-0.07	-0.08	-1.51	3.19	-395.42	-81.48	-310.75	-163.04
		81	1.44	1.49	-2.21	-0.23	-0.49	-1.85	-3.13	-368.84	-77.23	-294.74	-147.00
		252	1.57	1.31	-1.62	-0.10	-0.22	-1.46	-101.77	-449.64	-178.16	-373.26	-144.00

73	7	251	1.21	0.97	-1.34	-0.20	-0.16	-1.15	-79.59	-344.43	-138.69	-285.32	-110.27
		157	1.08	0.96	-1.06	-0.05	-0.05	-1.01	-11.69	-285.53	-65.08	-232.13	-108.49
		81	1.01	1.00	-1.47	-0.15	-0.32	-1.23	-15.23	-266.11	-62.03	-219.30	-97.73
		252	1.11	0.88	-1.08	-0.06	-0.14	-0.98	-89.69	-323.05	-138.99	-273.76	-95.25
73	22	251	0.75	0.17	-0.29	-0.20	0.08	-0.18	-166.59	-221.90	-166.72	-221.77	2.70
		157	0.67	0.16	-0.25	-0.18	0.10	-0.15	-94.37	-204.16	-94.40	-204.13	-1.76
		81	0.61	0.17	-0.23	-0.17	0.10	-0.15	-93.27	-188.06	-93.28	-188.05	-1.01
		252	0.71	0.17	-0.26	-0.17	0.08	-0.18	-165.98	-206.11	-166.23	-205.86	3.15
73	54	251	0.72	0.10	-0.15	-0.10	0.05	-0.10	-159.13	-212.34	-159.45	-212.02	4.13
		157	0.64	0.10	-0.12	-0.09	0.06	-0.08	-87.33	-195.41	-87.33	-195.41	-0.05
		81	0.58	0.10	-0.12	-0.08	0.06	-0.08	-85.93	-179.27	-85.94	-179.27	0.53
		252	0.68	0.10	-0.14	-0.08	0.05	-0.10	-158.17	-196.58	-158.68	-196.06	4.42
74	2	78	15.86	7.03	-8.05	-1.20	0.18	7.51	0.10	-0.68	0.05	-0.62	-0.20
		79	33.73	5.52	-1.67	-1.43	5.29	-1.28	4.68	0.03	0.07	4.64	0.44
		37	52.73	15.74	-7.83	-6.69	14.60	5.05	0.32	-5.32	0.28	-5.28	-0.44
		38	17.35	6.73	-12.13	-0.31	-5.09	9.12	0.77	-0.07	-0.05	0.75	0.13
74	6	78	11.19	4.78	-5.62	-1.05	0.21	5.16	0.07	-0.52	0.03	-0.48	-0.15
		79	25.08	3.71	-1.33	-0.94	3.32	-1.35	3.61	0.03	0.06	3.57	0.34
		37	39.18	10.58	-5.98	-5.24	9.84	3.42	0.25	-4.10	0.22	-4.08	-0.34
		38	12.35	4.83	-8.50	-0.17	-3.51	6.45	0.59	-0.06	-0.04	0.58	0.10
74	26	78	5.64	1.08	-2.21	-1.77	0.63	1.13	0.03	-0.51	1.39e-03	-0.49	-0.11
		79	25.14	3.16	-4.52	0.23	-1.58	-3.73	3.65	0.08	0.11	3.62	0.33
		37	30.81	0.76	-6.59	-6.56	0.73	0.43	0.29	-4.17	0.26	-4.15	-0.34
		38	6.64	2.12	-3.45	-0.42	-0.90	2.77	0.62	-0.10	-0.09	0.61	0.09
74	58	78	5.74	1.09	-2.26	-1.82	0.65	1.13	0.03	-0.52	9.55e-04	-0.50	-0.11
		79	25.05	3.13	-4.53	0.17	-1.57	-3.73	3.64	0.08	0.11	3.61	0.33
		37	30.62	0.78	-6.22	-6.19	0.75	0.44	0.29	-4.18	0.26	-4.16	-0.34
		38	6.51	2.34	-3.28	-0.05	-0.89	2.78	0.61	-0.10	-0.09	0.60	0.09
75	4	263	2.28	2.29	-2.72	1.95	-2.38	-1.26	-279.33	-680.64	-661.60	-298.37	85.30
		262	2.36	2.22	-1.98	1.99	-1.74	0.97	-264.70	-705.94	-701.27	-269.38	45.17
		114	3.34	2.72	-6.59	2.58	-6.45	-1.14	-779.54	-960.75	-916.41	-823.88	77.90
		117	2.75	1.55	-2.97	0.71	-2.13	-1.76	-659.48	-783.26	-700.02	-742.73	58.09
75	8	263	1.66	1.54	-1.82	1.31	-1.59	-0.84	-202.73	-494.56	-483.05	-214.24	56.80
		262	1.72	1.49	-1.32	1.33	-1.16	0.65	-191.89	-513.97	-511.21	-194.65	29.73
		114	2.38	1.83	-4.41	1.74	-4.32	-0.77	-553.71	-684.07	-658.38	-579.40	51.86
		117	1.97	1.05	-1.98	0.48	-1.42	-1.18	-478.90	-557.91	-512.03	-524.78	38.99
75	26	263	1.15	0.22	-0.29	0.21	-0.28	-0.08	-152.23	-352.04	-351.97	-152.30	3.74
		262	1.20	0.21	-0.29	0.20	-0.28	-0.05	-153.41	-365.38	-365.37	-153.41	-1.35
		114	1.33	0.21	-0.51	0.16	-0.46	-0.18	-268.35	-403.06	-403.06	-268.35	-0.80
		117	1.28	0.12	-0.29	0.09	-0.25	-0.11	-261.14	-386.99	-386.83	-261.30	4.45
75	58	263	1.09	0.14	-0.17	0.13	-0.16	-0.06	-133.03	-332.84	-332.83	-133.04	1.57
		262	1.14	0.12	-0.14	0.12	-0.14	-0.01	-132.54	-345.94	-345.92	-132.57	-2.12
		114	1.25	0.18	-0.33	0.15	-0.30	-0.13	-246.51	-378.66	-378.66	-246.52	-0.68
		117	1.20	0.10	-0.14	0.07	-0.12	-0.08	-241.05	-362.82	-362.74	-241.13	3.17
76	1	85	33.68	5.46	-1.64	-1.44	5.26	1.17	4.67	0.02	0.06	4.63	-0.44
		78	15.70	6.85	-8.21	-1.16	-0.19	-7.51	0.10	-0.67	0.04	-0.61	0.20
		38	17.67	6.53	-12.59	-0.43	-5.63	-9.20	0.75	-0.06	-0.04	0.73	-0.13
		39	52.73	15.81	-7.83	-6.70	14.68	-5.04	0.31	-5.31	0.27	-5.28	0.44
76	5	85	25.04	3.65	-1.30	-0.95	3.30	1.28	3.60	0.02	0.06	3.57	-0.34
		78	11.07	4.65	-5.72	-1.02	-0.04	-5.16	0.07	-0.51	0.03	-0.47	0.15
		38	12.57	4.69	-8.81	-0.25	-3.87	-6.50	0.58	-0.05	-0.04	0.57	-0.10
		39	39.17	10.62	-5.98	-5.25	9.89	-3.42	0.24	-4.10	0.22	-4.07	0.34
76	27	85	24.93	3.15	-4.47	0.19	-1.51	3.71	3.63	0.08	0.11	3.60	-0.33
		78	5.73	1.16	-2.24	-1.79	0.71	-1.15	0.03	-0.51	2.29e-03	-0.48	0.11
		38	6.63	2.25	-3.35	-0.27	-0.83	-2.78	0.62	-0.10	-0.09	0.60	-0.09
		39	30.82	0.84	-6.41	-6.38	0.82	-0.44	0.28	-4.18	0.26	-4.16	0.34

76	59	85	24.93	3.12	-4.50	0.15	-1.53	3.72	3.63	0.08	0.11	3.60	-0.33
		78	5.78	1.13	-2.27	-1.83	0.69	-1.15	0.03	-0.52	1.74e-03	-0.49	0.11
		38	6.50	2.40	-3.23	0.02	-0.85	-2.78	0.61	-0.10	-0.09	0.59	-0.09
		39	30.61	0.82	-6.12	-6.10	0.79	-0.44	0.28	-4.19	0.26	-4.16	0.34
77	2	86	16.57	-2.43	-6.23	-5.42	-3.25	-1.56	0.63	-1.94	0.25	-1.56	0.90
		85	46.01	4.66	-9.95	2.74	-8.04	-4.93	5.85	-0.43	-0.41	5.83	-0.41
		39	58.17	-7.61	-20.53	-9.49	-18.65	4.55	-0.48	-7.27	-0.50	-7.25	0.37
		40	13.45	6.80	3.06	6.79	3.07	0.18	1.88	-0.14	0.32	1.42	-0.85
77	6	86	12.76	-1.46	-4.44	-3.98	-1.92	-1.09	0.49	-1.46	0.21	-1.18	0.69
		85	34.59	3.62	-7.09	2.01	-5.48	-3.83	4.49	-0.34	-0.32	4.47	-0.32
		39	43.09	-5.66	-14.38	-7.24	-12.80	3.35	-0.38	-5.58	-0.40	-5.56	0.29
		40	9.97	5.00	2.38	4.95	2.43	0.36	1.42	-0.11	0.25	1.06	-0.65
77	13	86	13.52	1.81	-2.91	-2.89	1.79	-0.35	0.56	-1.34	0.28	-1.06	0.68
		85	29.10	4.33	-4.05	1.23	-0.95	-4.04	4.37	-0.42	-0.39	4.34	-0.38
		39	32.80	-1.51	-7.40	-6.15	-2.76	2.41	-0.44	-5.47	-0.46	-5.45	0.30
		40	10.35	5.19	1.45	3.83	2.81	1.80	1.22	-0.15	0.29	0.78	-0.64
77	45	86	13.37	1.83	-2.84	-2.81	1.80	-0.35	0.57	-1.32	0.28	-1.03	0.68
		85	29.23	4.39	-4.01	1.31	-0.94	-4.05	4.39	-0.41	-0.38	4.36	-0.38
		39	32.60	-1.57	-7.69	-6.51	-2.75	2.41	-0.44	-5.46	-0.46	-5.44	0.30
		40	10.29	4.97	1.32	3.46	2.83	1.79	1.24	-0.14	0.29	0.80	-0.64
78	2	188	2.10	1.49	-2.41	-1.97	1.05	1.24	-461.77	-616.56	-605.34	-472.99	-40.13
		88	2.89	2.24	-5.24	-2.75	-0.25	3.53	-495.77	-865.32	-864.03	-497.06	21.80
		97	2.60	2.00	-3.29	-0.71	-0.57	2.65	-374.21	-792.20	-788.04	-378.37	41.46
		189	2.00	1.56	-3.08	-2.06	0.53	1.93	-401.61	-594.18	-588.88	-406.90	-31.49
78	6	188	1.52	1.01	-1.61	-1.32	0.71	0.83	-338.56	-445.26	-437.65	-346.17	-27.46
		88	2.07	1.51	-3.52	-1.84	-0.17	2.37	-363.59	-620.66	-619.92	-364.33	13.75
		97	1.87	1.35	-2.20	-0.47	-0.38	1.78	-279.32	-570.87	-568.37	-281.82	26.85
		189	1.45	1.05	-2.06	-1.38	0.36	1.29	-296.03	-430.02	-426.46	-299.60	-21.56
78	15	188	1.06	0.15	-0.30	-0.23	0.08	0.17	-259.36	-301.18	-300.40	-260.15	-5.69
		88	1.26	0.26	-0.55	-0.26	-0.03	0.39	-274.19	-373.73	-373.67	-274.25	-2.43
		97	1.21	0.25	-0.39	-0.11	-0.04	0.32	-248.18	-363.85	-363.80	-248.23	-2.28
		189	1.02	0.17	-0.31	-0.20	0.05	0.20	-240.30	-295.99	-295.64	-240.65	-4.40
78	47	188	0.99	0.11	-0.15	-0.12	0.08	0.09	-244.34	-278.17	-277.26	-245.25	-5.48
		88	1.19	0.20	-0.36	-0.14	-0.02	0.28	-260.08	-350.91	-350.71	-260.28	-4.20
		97	1.14	0.18	-0.23	-0.02	-0.03	0.21	-234.42	-342.65	-342.49	-234.58	-4.17
		189	0.95	0.12	-0.18	-0.11	0.05	0.13	-225.70	-274.53	-274.14	-226.08	-4.31
79	4	262	2.38	2.08	-1.77	2.04	-1.73	-0.40	-262.56	-708.23	-701.58	-269.21	54.03
		260	2.14	2.49	-3.11	1.81	-2.43	1.82	-289.51	-643.17	-642.85	-289.84	10.71
		108	2.74	2.08	-3.53	0.75	-2.20	2.38	-669.59	-764.92	-695.69	-738.82	42.51
		114	3.32	2.90	-6.77	2.58	-6.44	1.75	-816.50	-924.85	-917.23	-824.12	27.71
79	8	262	1.73	1.40	-1.18	1.37	-1.15	-0.27	-190.56	-515.41	-511.42	-194.54	35.78
		260	1.56	1.67	-2.08	1.22	-1.63	1.22	-208.01	-469.51	-469.35	-208.18	6.55
		108	1.96	1.40	-2.36	0.51	-1.47	1.59	-486.42	-543.36	-508.07	-521.71	27.64
		114	2.36	1.96	-4.53	1.74	-4.31	1.18	-575.60	-662.88	-658.93	-579.55	18.16
79	36	262	1.20	0.20	-0.33	0.16	-0.29	0.14	-152.48	-367.28	-366.89	-152.88	9.25
		260	1.13	0.22	-0.32	0.17	-0.27	0.16	-148.59	-344.46	-344.39	-148.66	3.70
		108	1.26	0.13	-0.35	0.02	-0.25	0.20	-257.05	-381.01	-380.83	-257.24	4.81
		114	1.34	0.21	-0.59	0.09	-0.47	0.28	-267.13	-406.01	-405.20	-267.93	10.56
79	67	262	1.14	0.11	-0.14	0.11	-0.14	0.04	-132.24	-346.71	-346.65	-132.29	3.53
		260	1.06	0.13	-0.19	0.11	-0.16	0.08	-129.81	-324.50	-324.50	-129.81	-0.52
		108	1.18	0.10	-0.17	0.06	-0.12	0.10	-237.34	-355.65	-355.64	-237.34	-0.38
		114	1.25	0.18	-0.35	0.14	-0.30	0.15	-246.19	-379.79	-379.68	-246.31	3.88
80	2	86	16.57	-2.43	-6.23	-5.41	-3.25	-1.56	1.94	-0.63	-0.26	1.56	-0.90
		87	45.98	4.65	-9.94	2.74	-8.04	-4.92	0.44	-5.85	0.41	-5.82	0.41
		41	58.11	-7.60	-20.51	-9.47	-18.65	4.54	7.27	0.48	0.50	7.25	-0.37
		40	13.46	6.80	3.06	6.79	3.06	0.18	0.14	-1.88	-0.32	-1.42	0.85

80	6	86	12.76	-1.45	-4.44	-3.97	-1.92	-1.09	1.46	-0.49	-0.21	1.18	-0.69
		87	34.56	3.61	-7.08	2.01	-5.48	-3.82	0.35	-4.48	0.32	-4.46	0.32
		41	43.04	-5.66	-14.36	-7.22	-12.80	3.34	5.57	0.38	0.40	5.55	-0.29
		40	9.97	4.99	2.37	4.94	2.42	0.36	0.11	-1.42	-0.25	-1.06	0.65
80	11	86	13.52	1.81	-2.91	-2.88	1.79	-0.35	1.34	-0.56	-0.28	1.06	-0.68
		87	29.08	4.32	-4.04	1.23	-0.95	-4.03	0.42	-4.37	0.39	-4.34	0.38
		41	32.76	-1.51	-7.38	-6.13	-2.76	2.40	5.47	0.44	0.46	5.45	-0.30
		40	10.33	5.18	1.45	3.82	2.81	1.79	0.15	-1.22	-0.29	-0.78	0.64
80	43	86	13.37	1.83	-2.83	-2.80	1.80	-0.35	1.32	-0.57	-0.28	1.03	-0.68
		87	29.20	4.38	-4.00	1.31	-0.93	-4.04	0.42	-4.38	0.39	-4.35	0.38
		41	32.55	-1.57	-7.67	-6.50	-2.74	2.40	5.45	0.44	0.46	5.43	-0.30
		40	10.28	4.96	1.32	3.46	2.82	1.79	0.14	-1.24	-0.29	-0.81	0.64
81	1	87	33.59	5.46	-1.64	-1.45	5.26	1.17	-0.02	-4.66	-0.06	-4.62	0.44
		94	15.72	6.86	-8.21	-1.15	-0.20	-7.52	0.66	-0.10	-0.04	0.60	-0.20
		3	17.63	6.52	-12.58	-0.44	-5.63	-9.19	0.06	-0.75	0.04	-0.73	0.13
		41	52.61	15.80	-7.81	-6.69	14.68	-5.04	5.29	-0.31	-0.27	5.26	-0.44
81	5	87	24.98	3.65	-1.30	-0.95	3.30	1.27	-0.03	-3.59	-0.06	-3.56	0.34
		94	11.07	4.66	-5.72	-1.02	-0.04	-5.16	0.51	-0.07	-0.03	0.47	-0.15
		3	12.54	4.68	-8.81	-0.25	-3.87	-6.50	0.05	-0.58	0.04	-0.56	0.10
		41	39.09	10.62	-5.97	-5.23	9.89	-3.42	4.08	-0.24	-0.22	4.06	-0.34
81	29	87	24.86	3.14	-4.46	0.19	-1.51	3.70	-0.08	-3.62	-0.11	-3.59	0.33
		94	5.71	1.16	-2.23	-1.78	0.71	-1.15	0.51	-0.03	-2.01e-03	0.48	-0.11
		3	6.63	2.24	-3.34	-0.27	-0.83	-2.78	0.10	-0.61	0.09	-0.60	0.09
		41	30.73	0.84	-6.39	-6.37	0.82	-0.44	4.17	-0.29	-0.26	4.14	-0.34
81	61	87	24.86	3.11	-4.49	0.15	-1.53	3.71	-0.08	-3.62	-0.11	-3.59	0.33
		94	5.76	1.13	-2.27	-1.83	0.68	-1.15	0.52	-0.03	-1.45e-03	0.49	-0.11
		3	6.50	2.39	-3.23	0.01	-0.85	-2.78	0.10	-0.60	0.09	-0.59	0.09
		41	30.52	0.82	-6.11	-6.08	0.79	-0.43	4.17	-0.29	-0.26	4.15	-0.34
82	4	264	1.99	1.88	-1.96	1.46	-1.54	-1.20	-288.74	-598.99	-580.86	-306.87	72.77
		263	2.20	1.90	-2.01	1.72	-1.83	-0.83	-283.95	-659.53	-641.17	-302.31	80.97
		117	2.72	1.72	-3.70	1.16	-3.14	-1.65	-660.58	-767.26	-705.71	-722.13	52.70
		83	2.43	1.99	-3.58	0.96	-2.55	-2.16	-583.90	-692.28	-611.29	-664.89	47.10
82	8	264	1.45	1.26	-1.31	0.98	-1.03	-0.80	-209.28	-437.78	-427.09	-219.97	48.25
		263	1.60	1.27	-1.34	1.15	-1.22	-0.55	-205.88	-480.25	-469.24	-216.90	53.86
		117	1.95	1.16	-2.47	0.78	-2.10	-1.11	-477.80	-548.90	-515.78	-510.92	35.47
		83	1.75	1.34	-2.40	0.65	-1.70	-1.45	-427.50	-495.42	-450.52	-472.40	32.15
82	9	264	1.06	0.26	-0.16	0.09	4.72e-03	-0.20	-124.58	-324.11	-323.46	-125.23	-11.36
		263	1.11	0.29	-0.21	0.10	-0.02	-0.25	-124.64	-338.72	-337.94	-125.42	-12.93
		117	1.27	0.15	-0.44	-0.16	-0.13	-0.29	-235.78	-387.63	-387.08	-236.33	-9.17
		83	1.22	0.16	-0.44	-0.18	-0.10	-0.30	-233.77	-369.87	-369.79	-233.85	-3.37
82	41	264	1.02	0.14	-0.08	0.06	1.36e-05	-0.11	-119.94	-311.00	-310.77	-120.17	-6.52
		263	1.07	0.17	-0.11	0.07	-9.84e-03	-0.13	-119.93	-325.50	-325.28	-120.15	-6.71
		117	1.19	0.11	-0.23	-0.03	-0.09	-0.17	-228.48	-362.70	-362.62	-228.56	-3.12
		83	1.14	0.13	-0.25	-0.05	-0.07	-0.19	-225.93	-345.33	-345.31	-225.95	1.30
83	1	91	3.43	0.76	-6.95	-2.72	-3.47	-3.83	-429.99	-1021.19	-996.29	-454.90	-118.76
		158	3.10	2.35	-4.60	-2.20	-0.05	-3.30	-481.58	-936.94	-936.19	-482.33	-18.42
		103	2.87	1.14	-5.34	-2.68	-1.52	-3.19	-357.57	-857.53	-852.35	-362.75	-50.62
		93	2.93	1.28	-2.12	-0.12	-0.71	-1.68	-306.33	-880.34	-849.26	-337.41	-129.90
83	5	91	2.43	0.52	-4.68	-1.79	-2.36	-2.58	-320.55	-726.24	-710.35	-336.45	-78.71
		158	2.20	1.59	-3.08	-1.46	-0.02	-2.22	-353.43	-667.22	-666.82	-353.82	-11.08
		103	2.05	0.77	-3.58	-1.79	-1.03	-2.14	-267.79	-613.17	-610.06	-270.91	-32.65
		93	2.08	0.87	-1.40	-0.06	-0.48	-1.12	-234.95	-630.36	-610.73	-254.59	-85.89
83	22	91	1.36	0.19	-0.50	-0.06	-0.25	-0.33	-270.93	-411.05	-410.17	-271.81	-11.09
		158	1.29	0.28	-0.42	-0.14	-3.35e-04	-0.34	-269.53	-385.17	-385.16	-269.55	-1.33
		103	1.23	0.13	-0.60	-0.29	-0.17	-0.36	-243.68	-369.59	-369.48	-243.79	-3.64
		93	1.28	0.16	-0.21	-0.09	0.04	-0.17	-242.70	-389.86	-389.06	-243.49	-10.79

83	53	91	1.25	0.18	-0.46	0.04	-0.31	-0.27	-259.84	-377.18	-377.07	-259.95	-3.56
		158	1.18	0.26	-0.25	-0.02	0.02	-0.25	-255.16	-351.76	-351.59	-255.33	3.99
		103	1.13	0.11	-0.37	-0.13	-0.14	-0.24	-230.45	-340.68	-340.62	-230.51	2.49
		93	1.19	0.11	-0.07	0.06	-0.02	-0.08	-232.51	-360.72	-360.67	-232.56	-2.46
84	3	92	2.77	3.71	0.25	2.70	1.25	-1.57	-629.47	-792.43	-646.53	-775.37	49.89
		8	4.57	3.28	-13.89	0.70	-11.31	6.13	-1004.44	-1290.38	-1017.12	-1277.69	-58.88
		100	3.44	3.48	-7.65	3.28	-7.44	1.50	-780.95	-1001.32	-937.52	-844.75	-99.95
		96	2.82	1.14	-3.04	-0.31	-1.58	1.99	-682.23	-798.50	-689.69	-791.04	-28.50
84	7	92	1.99	2.52	0.17	1.83	0.86	-1.07	-464.38	-563.10	-477.38	-550.09	33.38
		8	3.19	2.22	-9.33	0.48	-7.59	4.14	-717.79	-896.43	-726.70	-887.52	-38.89
		100	2.44	2.35	-5.13	2.21	-4.99	1.02	-556.00	-710.71	-672.73	-593.97	-66.58
		96	2.02	0.77	-2.03	-0.21	-1.05	1.33	-498.96	-563.79	-505.20	-557.54	-19.12
84	31	92	1.36	0.03	-0.22	-0.04	-0.14	-0.11	-307.13	-399.29	-398.87	-307.55	6.20
		8	1.50	0.23	-1.21	-0.19	-0.79	0.66	-359.96	-423.95	-422.72	-361.19	8.78
		100	1.42	0.33	-0.76	0.15	-0.58	0.40	-324.14	-415.36	-415.33	-324.16	1.54
		96	1.31	0.01	-0.24	7.33e-04	-0.22	0.06	-284.95	-391.04	-391.04	-284.95	-0.54
84	63	92	1.26	0.19	-0.08	0.09	0.02	-0.13	-277.13	-372.58	-372.45	-277.26	3.48
		8	1.35	0.26	-0.86	-0.04	-0.56	0.49	-312.65	-393.13	-392.73	-313.05	5.65
		100	1.29	0.27	-0.47	0.17	-0.38	0.25	-276.08	-385.71	-385.70	-276.09	0.93
		96	1.22	0.03	-0.11	5.81e-03	-0.08	0.05	-254.72	-364.98	-364.97	-254.73	-0.74
85	3	8	4.61	3.96	-14.11	1.12	-11.27	-6.58	-1009.53	-1286.69	-1017.27	-1278.95	-45.65
		91	2.93	2.95	0.77	2.64	1.08	0.76	-548.68	-878.31	-648.93	-778.06	-151.65
		93	2.87	1.74	-3.64	-0.22	-1.68	-2.59	-649.01	-825.10	-686.27	-787.84	-71.93
		100	3.40	3.61	-7.83	3.19	-7.41	-2.15	-845.05	-938.74	-938.45	-845.34	-5.20
85	7	8	3.22	2.68	-9.48	0.76	-7.56	-4.44	-721.24	-893.93	-726.80	-888.37	-30.49
		91	2.09	2.01	0.52	1.79	0.74	0.53	-407.30	-622.03	-477.93	-551.40	-100.88
		93	2.04	1.17	-2.42	-0.14	-1.11	-1.73	-474.08	-582.74	-501.86	-554.96	-47.40
		100	2.42	2.44	-5.25	2.15	-4.97	-1.45	-594.24	-673.47	-673.34	-594.36	-3.13
85	38	8	1.51	0.26	-1.30	-0.24	-0.80	-0.73	-355.10	-430.48	-425.21	-360.37	-19.22
		91	1.35	-0.06	-0.21	-0.10	-0.17	0.06	-300.72	-396.26	-393.49	-303.49	-16.02
		93	1.30	0.01	-0.30	-0.04	-0.25	-0.11	-280.53	-385.98	-385.26	-281.26	-8.70
		100	1.43	0.36	-0.82	0.12	-0.59	-0.47	-321.82	-418.68	-417.29	-323.20	-11.50
85	69	8	1.36	0.26	-0.83	-0.02	-0.55	-0.47	-311.56	-395.04	-393.95	-312.66	-9.49
		91	1.24	0.18	-0.10	0.11	-0.02	0.13	-272.86	-366.27	-365.75	-273.38	-6.92
		93	1.19	0.02	-0.16	-5.65e-03	-0.14	-0.06	-251.13	-358.11	-358.07	-251.17	-2.09
		100	1.29	0.26	-0.46	0.17	-0.38	-0.23	-275.42	-386.74	-386.58	-275.59	-4.26
86	2	265	1.65	1.33	-1.81	-0.24	-0.24	-1.57	-144.50	-489.84	-486.36	-147.99	-34.54
		264	1.96	1.42	-1.23	0.53	-0.34	-1.25	-96.46	-562.59	-538.53	-120.52	-103.12
		83	2.57	1.69	-3.27	-0.94	-0.64	-2.47	-353.62	-779.65	-773.95	-359.33	-48.95
		190	1.98	1.49	-2.60	-1.56	0.45	-1.78	-387.91	-595.60	-590.38	-393.14	32.54
86	6	265	1.20	0.89	-1.21	-0.15	-0.16	-1.05	-111.65	-358.83	-356.55	-113.92	-23.59
		264	1.43	0.95	-0.82	0.36	-0.23	-0.83	-80.78	-413.95	-398.98	-95.75	-69.03
		83	1.85	1.14	-2.19	-0.62	-0.43	-1.66	-265.29	-562.31	-558.88	-268.72	-31.73
		190	1.44	1.00	-1.74	-1.04	0.31	-1.19	-286.59	-430.92	-427.39	-290.12	22.28
86	9	265	0.87	0.21	-0.17	0.04	7.35e-03	-0.19	-128.43	-268.57	-268.23	-128.76	-6.83
		264	1.07	0.25	-0.21	0.05	-0.01	-0.23	-126.15	-325.26	-324.88	-126.53	-8.71
		83	1.19	0.21	-0.41	-0.13	-0.07	-0.31	-232.27	-360.53	-360.50	-232.30	1.99
		190	1.00	0.15	-0.32	-0.19	0.01	-0.22	-226.95	-293.09	-292.88	-227.15	3.68
86	41	265	0.83	0.12	-0.09	0.03	9.82e-04	-0.11	-121.16	-255.09	-254.87	-121.39	-5.50
		264	1.02	0.14	-0.10	0.05	-0.01	-0.12	-120.71	-312.01	-311.87	-120.86	-5.28
		83	1.13	0.15	-0.24	-0.04	-0.05	-0.20	-225.13	-340.69	-340.52	-225.30	4.47
		190	0.94	0.11	-0.18	-0.10	0.03	-0.13	-218.08	-272.85	-272.55	-218.39	4.08
87	3	106	183.97	0.20	-8.42e-03	-7.53e-03	0.20	0.01	-24.72	-34.28	-25.03	-33.97	1.70
		44	161.39	0.61	-2.49	0.61	-2.49	-0.04	26.10	-0.99	25.14	-0.04	4.99
		37	118.50	1.49	-1.67	0.02	-0.19	1.58	15.12	-6.63	4.28	4.21	10.88
		80	184.67	2.98	-2.19	2.95	-2.16	0.37	26.19	-6.77	-6.21	25.63	4.25

87	7	106	141.50	0.14	-7.93e-03	-7.35e-03	0.14	9.12e-03	-19.02	-26.37	-19.26	-26.13	1.30
		44	123.99	0.39	-1.63	0.39	-1.63	-0.02	20.08	-0.77	19.35	-0.03	3.84
		37	90.88	1.00	-1.11	9.71e-03	-0.12	1.05	11.63	-5.10	3.29	3.24	8.36
		80	141.62	1.97	-1.45	1.95	-1.43	0.24	20.14	-5.21	-4.78	19.71	3.27
87	26	106	141.35	0.89	-0.52	0.07	0.30	0.70	-19.03	-26.32	-19.26	-26.08	1.30
		44	123.38	0.52	-0.44	-0.01	0.09	0.47	20.13	-0.78	19.39	-0.04	3.86
		37	89.36	-0.15	-0.54	-0.44	-0.25	0.17	11.65	-5.09	3.32	3.24	8.37
		80	139.96	0.55	-0.74	-0.55	0.36	0.46	20.13	-5.20	-4.77	19.70	3.28
87	58	106	141.36	0.43	-0.26	0.02	0.15	0.34	-19.03	-26.34	-19.27	-26.10	1.30
		44	123.17	0.31	-0.21	-0.05	0.15	0.24	20.12	-0.78	19.39	-0.04	3.86
		37	89.24	-0.05	-0.28	-0.24	-0.09	0.09	11.64	-5.09	3.32	3.24	8.36
		80	139.50	0.28	-0.41	-0.34	0.21	0.20	20.12	-5.21	-4.78	19.69	3.28
88	2	94	15.88	7.04	-8.05	-1.19	0.18	7.51	0.67	-0.10	-0.05	0.62	0.20
		95	33.65	5.52	-1.67	-1.43	5.29	-1.27	-0.03	-4.67	-0.07	-4.62	-0.44
		4	52.62	15.73	-7.81	-6.68	14.60	5.04	5.30	-0.32	-0.28	5.26	0.44
		3	17.31	6.72	-12.12	-0.32	-5.09	9.12	0.07	-0.77	0.05	-0.75	-0.13
88	6	94	11.19	4.78	-5.62	-1.04	0.21	5.16	0.52	-0.07	-0.03	0.48	0.15
		95	25.02	3.71	-1.33	-0.94	3.32	-1.34	-0.03	-3.59	-0.06	-3.56	-0.34
		4	39.09	10.57	-5.97	-5.23	9.84	3.42	4.09	-0.25	-0.22	4.06	0.34
		3	12.32	4.82	-8.50	-0.17	-3.51	6.45	0.06	-0.59	0.04	-0.58	-0.10
88	32	94	5.63	1.08	-2.21	-1.76	0.63	1.13	0.51	-0.03	-1.11e-03	0.48	0.11
		95	25.07	3.16	-4.51	0.22	-1.58	-3.73	-0.08	-3.64	-0.11	-3.61	-0.33
		4	30.72	0.76	-6.58	-6.55	0.73	0.43	4.16	-0.29	-0.26	4.13	0.34
		3	6.64	2.11	-3.44	-0.43	-0.90	2.77	0.11	-0.62	0.09	-0.60	-0.09
88	64	94	5.73	1.09	-2.26	-1.82	0.64	1.13	0.52	-0.03	-6.72e-04	0.49	0.11
		95	24.98	3.12	-4.52	0.17	-1.57	-3.72	-0.08	-3.63	-0.11	-3.60	-0.33
		4	30.54	0.78	-6.20	-6.18	0.75	0.43	4.17	-0.29	-0.26	4.14	0.34
		3	6.51	2.33	-3.27	-0.06	-0.89	2.77	0.11	-0.61	0.09	-0.59	-0.09
89	4	41	118.65	1.85	-2.21	-0.10	-0.26	2.03	15.04	-6.60	4.27	4.17	10.82
		98	184.10	3.03	-2.29	2.99	-2.25	0.46	26.10	-6.75	-6.18	25.53	4.27
		106	183.55	0.33	-0.08	0.03	0.23	0.18	-24.67	-34.20	-24.98	-33.88	1.70
		40	160.90	0.48	-2.46	0.48	-2.46	0.05	26.03	-1.00	25.09	-0.06	4.94
89	7	41	91.38	1.40	-1.55	0.22	-0.37	-1.45	11.63	-5.06	3.33	3.24	8.34
		98	139.06	0.49	-0.27	-0.26	0.49	-0.04	20.04	-5.19	-4.75	19.59	3.31
		106	141.37	0.17	-0.51	0.17	-0.50	0.06	-19.00	-26.29	-19.24	-26.05	1.28
		40	124.02	1.31	-1.04	1.14	-0.87	-0.62	20.07	-0.80	19.33	-0.06	3.85
89	36	41	88.99	0.50	-0.07	0.48	-0.04	0.11	11.59	-5.07	3.31	3.21	8.33
		98	138.85	0.48	-0.33	0.37	-0.21	-0.28	20.01	-5.19	-4.75	19.57	3.30
		106	141.30	0.22	-0.47	0.02	-0.27	-0.32	-18.99	-26.32	-19.23	-26.09	1.29
		40	122.99	0.08	-0.08	-0.06	0.06	-0.05	20.08	-0.79	19.35	-0.06	3.82
89	68	41	88.90	0.23	-0.01	0.21	4.41e-03	0.07	11.60	-5.07	3.31	3.21	8.33
		98	138.57	0.19	-0.16	0.10	-0.07	-0.15	20.02	-5.19	-4.75	19.58	3.30
		106	141.17	0.10	-0.23	1.46e-04	-0.13	-0.15	-18.99	-26.31	-19.23	-26.07	1.29
		40	123.01	0.14	-0.08	-0.08	0.14	-0.01	20.07	-0.79	19.35	-0.06	3.82
90	4	203	10.11	4.78	-1.17	3.86	-0.25	-2.15	-1.06	-1.46	-1.25	-1.27	-0.20
		204	17.39	7.02	-4.87	6.96	-4.81	0.87	0.69	-0.67	0.67	-0.66	0.15
		151	10.50	-4.04	-7.00	-4.05	-6.99	-0.19	0.86	0.06	0.15	0.77	0.25
		145	11.56	1.33	-3.85	-1.21	-1.31	-2.59	1.57	-0.05	0.03	1.49	-0.36
90	8	203	6.85	3.23	-0.83	2.55	-0.16	-1.51	-0.74	-1.01	-0.83	-0.91	-0.13
		204	11.59	4.77	-3.27	4.71	-3.22	0.67	0.46	-0.43	0.45	-0.41	0.11
		151	6.89	-2.75	-4.70	-2.77	-4.68	-0.18	0.54	0.03	0.09	0.49	0.16
		145	8.06	0.91	-2.56	-0.76	-0.89	-1.74	1.13	-0.02	0.03	1.08	-0.24
90	10	203	3.23	0.50	-0.59	-0.15	0.07	-0.53	-0.02	-0.49	-0.02	-0.49	0.02
		204	2.00	1.01	-0.53	0.55	-0.07	0.70	0.20	-0.02	-4.77e-03	0.19	0.05
		151	1.52	0.07	-0.72	-0.47	-0.18	-0.37	-0.07	-0.22	-0.07	-0.21	-0.02
		145	4.00	0.36	-0.13	0.35	-0.12	-0.07	0.66	0.08	0.09	0.66	-0.03

90	42	203	3.29	0.51	-0.59	-0.15	0.06	-0.54	-0.02	-0.50	-0.02	-0.50	0.02
		204	1.96	1.01	-0.53	0.56	-0.08	0.70	0.20	-0.02	-4.74e-03	0.19	0.05
		151	1.54	0.07	-0.74	-0.49	-0.18	-0.38	-0.07	-0.22	-0.07	-0.22	-0.02
		145	3.93	0.35	-0.14	0.33	-0.12	-0.08	0.65	0.08	0.09	0.65	-0.03
91	1	204	11.56	3.08	-1.83	0.42	0.83	-2.45	-3.34e-04	-1.71	-1.70	-8.02e-03	-0.11
		205	16.07	2.68	-2.37	2.64	-2.33	-0.42	1.57	-0.64	1.57	-0.64	-0.05
		152	9.86	0.71	-3.39	-0.20	-2.48	-1.70	0.94	-0.35	-0.35	0.94	0.06
		151	4.65	1.40	-2.52	-1.15	0.03	-1.87	0.29	-0.05	0.29	-0.04	0.03
91	5	204	7.83	2.18	-1.28	0.35	0.55	-1.72	0.03	-1.14	-1.14	0.02	-0.08
		205	10.99	1.75	-1.56	1.74	-1.55	-0.21	1.04	-0.49	1.04	-0.49	-0.03
		152	7.06	0.50	-2.25	-0.09	-1.67	-1.12	0.71	-0.22	-0.22	0.71	0.05
		151	3.12	0.84	-1.69	-0.84	-7.05e-03	-1.20	0.18	-0.06	0.18	-0.06	0.02
91	19	204	1.96	1.00	-0.50	0.57	-0.08	-0.68	0.21	-0.02	-7.78e-03	0.19	-0.05
		205	3.25	0.53	-0.60	-0.13	0.06	0.56	-0.01	-0.49	-0.02	-0.49	-0.02
		152	4.07	0.37	-0.15	0.36	-0.13	0.10	0.67	0.08	0.09	0.67	0.04
		151	1.61	0.09	-0.75	-0.47	-0.18	0.39	-0.07	-0.23	-0.07	-0.23	0.02
91	51	204	1.96	1.00	-0.51	0.57	-0.08	-0.68	0.20	-0.02	-7.93e-03	0.19	-0.05
		205	3.31	0.52	-0.60	-0.14	0.06	0.55	-0.01	-0.50	-0.02	-0.50	-0.02
		152	3.98	0.36	-0.14	0.34	-0.13	0.09	0.66	0.08	0.08	0.66	0.03
		151	1.59	0.08	-0.75	-0.49	-0.18	0.39	-0.07	-0.23	-0.07	-0.23	0.02
92	2	205	12.84	0.28	-5.18	-4.84	-0.06	1.32	1.26	-0.20	1.24	-0.18	0.17
		105	20.92	4.92	-5.83	-5.65	4.74	1.39	1.52	-0.72	-0.71	1.51	0.10
		153	16.22	7.21	1.24	1.55	6.90	-1.32	-0.22	-1.89	-0.33	-1.78	-0.41
		152	9.73	4.75	-1.45	2.26	1.04	3.04	0.61	-0.15	0.19	0.28	0.38
92	6	205	8.94	0.13	-3.54	-3.31	-0.09	0.88	0.85	-0.20	0.84	-0.19	0.11
		105	14.48	3.36	-3.86	-3.71	3.21	1.03	1.09	-0.49	-0.49	1.08	0.08
		153	11.37	4.89	0.71	0.94	4.65	-0.97	-0.16	-1.35	-0.23	-1.27	-0.29
		152	6.72	3.23	-0.95	1.60	0.68	2.04	0.48	-0.07	0.14	0.27	0.26
92	19	205	3.60	-0.38	-0.65	-0.65	-0.39	0.03	0.11	-0.52	0.11	-0.52	-0.03
		105	4.89	1.18	-0.38	0.38	0.42	0.78	0.62	-0.11	-0.09	0.60	0.12
		153	4.04	0.73	-0.93	-0.61	0.41	-0.66	-0.08	-0.64	-0.11	-0.61	-0.13
		152	4.33	0.80	-0.10	0.78	-0.08	0.12	0.69	0.08	0.10	0.68	0.08
92	51	205	3.64	-0.39	-0.62	-0.62	-0.39	0.02	0.11	-0.53	0.11	-0.53	-0.03
		105	4.79	1.18	-0.37	0.40	0.41	0.77	0.61	-0.11	-0.09	0.59	0.12
		153	4.15	0.73	-0.96	-0.64	0.40	-0.67	-0.08	-0.66	-0.11	-0.63	-0.13
		152	4.26	0.76	-0.10	0.75	-0.09	0.12	0.68	0.08	0.10	0.67	0.08
93	2	199	12.84	0.28	-5.19	-4.84	-0.06	1.32	0.20	-1.26	-1.24	0.18	-0.17
		105	20.92	4.92	-5.83	-5.65	4.74	1.39	0.72	-1.51	0.71	-1.51	-0.10
		153	16.21	7.21	1.24	1.55	6.90	-1.32	1.89	0.22	0.33	1.78	0.41
		136	9.72	4.74	-1.45	2.26	1.04	3.04	0.15	-0.61	-0.19	-0.28	-0.38
93	6	199	8.95	0.13	-3.54	-3.31	-0.09	0.88	0.20	-0.85	-0.84	0.19	-0.11
		105	14.47	3.36	-3.86	-3.71	3.21	1.03	0.49	-1.09	0.49	-1.08	-0.08
		153	11.37	4.89	0.71	0.94	4.65	-0.97	1.35	0.16	0.23	1.27	0.29
		136	6.71	3.23	-0.95	1.60	0.68	2.04	0.07	-0.48	-0.14	-0.27	-0.26
93	21	199	3.60	-0.38	-0.65	-0.65	-0.39	0.03	0.52	-0.11	-0.11	0.52	0.03
		105	4.88	1.18	-0.38	0.38	0.42	0.78	0.11	-0.62	0.09	-0.60	-0.12
		153	4.03	0.73	-0.93	-0.61	0.41	-0.66	0.64	0.08	0.11	0.61	0.13
		136	4.34	0.80	-0.10	0.78	-0.08	0.12	-0.08	-0.69	-0.10	-0.68	-0.08
93	53	199	3.64	-0.39	-0.63	-0.62	-0.39	0.02	0.53	-0.11	-0.11	0.53	0.03
		105	4.78	1.18	-0.37	0.40	0.41	0.77	0.11	-0.61	0.09	-0.59	-0.12
		153	4.15	0.73	-0.96	-0.64	0.40	-0.67	0.66	0.08	0.11	0.63	0.13
		136	4.26	0.76	-0.10	0.75	-0.09	0.12	-0.08	-0.68	-0.10	-0.67	-0.08
94	3	80	87.42	3.16	-2.54	2.49	-1.88	-1.83	11.44	-3.89	-1.11	8.66	5.90
		37	98.12	2.88	-1.98	2.44	-1.54	1.41	15.80	-0.10	9.57	6.13	7.77
		38	60.70	5.18	-4.46	4.26	-3.54	-2.83	8.82	-0.29	1.72	6.81	3.77
94	7	80	66.64	2.08	-1.68	1.64	-1.24	-1.21	8.78	-2.99	-0.86	6.65	4.53

		37	75.10	1.91	-1.33	1.62	-1.03	0.94	12.14	-0.09	7.36	4.70	5.97
		38	45.81	3.42	-2.94	2.81	-2.34	-1.87	6.76	-0.22	1.32	5.22	2.90
94	12	80	63.56	0.76	-0.64	0.43	-0.32	0.59	8.72	-2.98	-0.85	6.60	4.51
		37	73.91	0.73	-0.65	0.51	-0.43	0.51	12.10	-0.12	7.37	4.61	5.95
		38	41.37	0.75	-0.64	0.35	-0.24	0.63	6.69	-0.20	1.33	5.17	2.86
94	44	80	63.33	0.36	-0.33	0.13	-0.10	0.33	8.69	-2.98	-0.86	6.58	4.50
		37	73.27	0.32	-0.33	0.21	-0.22	0.24	12.08	-0.12	7.36	4.59	5.94
		38	41.06	0.37	-0.36	0.05	-0.03	0.36	6.67	-0.20	1.32	5.15	2.85
95	4	41	98.03	3.14	-2.58	-0.30	0.86	2.80	15.74	-0.11	1.25	14.38	4.43
		3	60.59	5.21	-4.47	4.40	-3.67	2.67	8.79	-0.29	-0.18	8.68	-0.99
		98	87.22	3.17	-2.55	2.77	-2.15	1.46	11.41	-3.89	-3.51	11.03	-2.37
95	8	41	75.01	2.08	-1.72	-0.20	0.57	1.86	12.09	-0.09	0.96	11.04	3.42
		3	45.72	3.44	-2.96	2.91	-2.43	1.76	6.75	-0.22	-0.14	6.66	-0.76
		98	66.48	2.09	-1.69	1.83	-1.42	0.96	8.76	-2.99	-2.70	8.47	-1.82
95	30	41	73.04	0.35	-0.63	-0.62	0.34	-0.10	12.04	-0.12	0.96	10.96	3.46
		3	41.52	0.57	-0.83	-0.79	0.53	-0.22	6.65	-0.20	-0.12	6.57	-0.73
		98	63.84	0.50	-0.74	-0.72	0.48	-0.15	8.67	-2.97	-2.68	8.39	-1.80
95	62	41	72.73	0.15	-0.33	-0.32	0.14	-0.06	12.03	-0.13	0.96	10.94	3.46
		3	41.09	0.37	-0.53	-0.49	0.33	-0.18	6.64	-0.20	-0.12	6.56	-0.73
		98	63.38	0.29	-0.44	-0.42	0.28	-0.12	8.66	-2.97	-2.69	8.38	-1.79
96	3	98	180.88	0.63	-0.33	-0.33	0.63	-0.04	26.05	-6.76	-6.19	25.48	-4.29
		4	118.59	1.57	-1.97	0.22	-0.62	1.72	15.12	-6.59	4.32	4.21	-10.85
		44	161.71	1.82	-1.54	1.60	-1.32	0.84	26.13	-1.05	25.17	-0.09	-5.01
		106	183.90	0.35	-0.80	0.29	-0.74	-0.25	-24.74	-34.18	-25.04	-33.87	-1.66
96	7	98	139.08	0.43	-0.24	-0.24	0.43	-0.02	20.04	-5.20	-4.76	19.60	-3.30
		4	90.91	1.04	-1.31	0.14	-0.41	1.14	11.63	-5.07	3.32	3.24	-8.35
		44	124.19	1.20	-1.00	1.05	-0.85	0.56	20.10	-0.80	19.37	-0.07	-3.85
		106	141.42	0.23	-0.53	0.19	-0.49	-0.17	-19.03	-26.29	-19.26	-26.06	-1.28
96	33	98	138.91	0.46	-0.42	0.26	-0.22	0.38	20.02	-5.21	-4.77	19.58	-3.30
		4	88.99	0.40	0.35	0.37	0.38	-0.03	11.61	-5.07	3.31	3.22	-8.34
		44	123.59	0.49	-0.31	-0.18	0.36	0.29	20.10	-0.80	19.38	-0.07	-3.83
		106	141.37	0.38	-0.75	-0.10	-0.27	0.56	-19.03	-26.32	-19.26	-26.09	-1.28
96	65	98	138.64	0.20	-0.22	0.05	-0.07	0.20	20.03	-5.20	-4.76	19.59	-3.30
		4	88.98	0.22	0.15	0.16	0.21	-0.02	11.61	-5.07	3.32	3.23	-8.34
		44	123.43	0.32	-0.17	-0.14	0.28	0.13	20.11	-0.79	19.38	-0.07	-3.83
		106	141.24	0.18	-0.37	-0.06	-0.13	0.27	-19.03	-26.31	-19.26	-26.07	-1.29
97	3	39	98.22	3.15	-2.58	-0.30	0.86	-2.80	15.77	-0.11	1.25	14.41	-4.44
		80	87.40	3.17	-2.55	2.77	-2.15	-1.45	11.44	-3.89	-3.51	11.06	2.38
		38	60.69	5.20	-4.47	4.40	-3.67	-2.67	8.81	-0.29	-0.18	8.70	0.99
97	7	39	75.16	2.09	-1.72	-0.20	0.57	-1.86	12.12	-0.09	0.96	11.07	-3.42
		80	66.62	2.09	-1.69	1.83	-1.42	-0.96	8.78	-2.99	-2.70	8.49	1.83
		38	45.80	3.43	-2.96	2.90	-2.43	-1.76	6.76	-0.22	-0.14	6.68	0.76
97	28	39	73.18	0.35	-0.63	-0.62	0.34	0.10	12.06	-0.12	0.96	10.98	-3.47
		80	63.98	0.50	-0.74	-0.72	0.48	0.15	8.69	-2.97	-2.69	8.41	1.80
		38	41.59	0.57	-0.83	-0.79	0.53	0.22	6.66	-0.20	-0.12	6.58	0.74
97	60	39	72.88	0.15	-0.33	-0.32	0.14	0.06	12.05	-0.13	0.96	10.97	-3.47
		80	63.52	0.29	-0.44	-0.42	0.28	0.12	8.68	-2.97	-2.69	8.40	1.80
		38	41.16	0.37	-0.53	-0.49	0.33	0.18	6.65	-0.20	-0.12	6.57	0.73
98	1	268	1.11	0.73	-1.77	-1.25	0.21	-1.01	-155.94	-331.06	-331.01	-155.99	-3.05
		258	0.64	0.70	-1.34	-1.11	0.48	-0.64	-152.39	-177.66	-177.63	-152.42	0.88
		110	0.58	0.52	-2.04	-1.52	6.31e-04	-1.03	-25.61	-152.16	-148.33	-29.43	-21.66
		246	1.07	0.84	-1.47	-0.72	0.09	-1.08	-22.64	-287.27	-282.66	-27.25	-34.63
98	5	268	0.80	0.49	-1.18	-0.83	0.14	-0.68	-117.45	-239.31	-239.28	-117.48	-1.93
		258	0.46	0.47	-0.89	-0.74	0.32	-0.43	-113.87	-128.20	-128.19	-113.88	0.36
		110	0.41	0.35	-1.36	-1.01	6.82e-04	-0.69	-19.82	-109.74	-107.05	-22.52	-15.33
		246	0.77	0.56	-0.98	-0.48	0.06	-0.72	-18.24	-208.12	-205.01	-21.36	-24.11

98	19	268	0.51	0.07	-0.16	-0.13	0.04	-0.08	-99.50	-153.39	-153.23	-99.67	2.95
		258	0.34	0.08	-0.16	-0.14	0.05	-0.07	-87.29	-94.06	-87.58	-93.77	1.37
		110	0.25	0.06	-0.15	-0.13	0.05	-0.05	-22.29	-73.16	-72.57	-22.88	-5.48
		246	0.48	0.05	-0.14	-0.13	0.04	-0.06	-21.68	-135.47	-135.01	-22.14	-7.25
98	51	268	0.49	0.05	-0.08	-0.06	0.03	-0.05	-100.34	-146.25	-146.18	-100.41	1.82
		258	0.33	0.05	-0.08	-0.06	0.03	-0.04	-80.19	-92.87	-80.19	-92.86	-0.22
		110	0.23	0.03	-0.07	-0.06	0.02	-0.03	-21.45	-67.51	-66.68	-22.28	-6.11
		246	0.45	0.03	-0.07	-0.05	0.02	-0.03	-22.53	-129.98	-129.46	-23.05	-7.45
99	1	95	46.01	4.72	-9.99	2.74	-8.01	5.02	0.44	-5.85	0.41	-5.83	-0.41
		99	16.83	-2.15	-6.18	-5.45	-2.88	1.55	1.94	-0.63	-0.26	1.57	0.90
		44	13.88	6.88	3.59	6.88	3.59	-0.10	0.14	-1.89	-0.32	-1.43	-0.85
		4	58.22	-7.59	-20.55	-9.44	-18.71	-4.52	7.27	0.48	0.50	7.25	0.37
99	5	95	34.58	3.66	-7.12	2.01	-5.46	3.89	0.35	-4.49	0.32	-4.47	-0.32
		99	12.95	-1.25	-4.42	-4.00	-1.68	1.08	1.47	-0.50	-0.21	1.18	0.69
		44	10.26	5.04	2.73	5.00	2.77	-0.31	0.11	-1.42	-0.25	-1.06	-0.65
		4	43.12	-5.65	-14.38	-7.20	-12.84	-3.33	5.58	0.38	0.40	5.56	0.29
99	20	95	29.12	4.41	-3.99	1.31	-0.90	4.05	0.42	-4.38	0.39	-4.35	-0.38
		99	13.50	1.87	-2.83	-2.80	1.84	0.37	1.34	-0.57	-0.28	1.05	0.68
		44	10.30	5.19	1.50	3.84	2.85	-1.77	0.15	-1.22	-0.29	-0.78	-0.64
		4	32.69	-1.48	-7.32	-6.11	-2.70	-2.37	5.47	0.44	0.46	5.45	0.30
99	52	95	29.23	4.42	-3.98	1.35	-0.91	4.05	0.42	-4.39	0.39	-4.36	-0.38
		99	13.35	1.85	-2.79	-2.76	1.82	0.36	1.32	-0.57	-0.28	1.03	0.68
		44	10.27	4.96	1.34	3.46	2.84	-1.78	0.14	-1.24	-0.29	-0.80	-0.64
		4	32.54	-1.56	-7.63	-6.48	-2.71	-2.38	5.45	0.45	0.46	5.44	0.30
100	1	79	46.05	4.73	-10.00	2.74	-8.01	5.03	5.86	-0.44	-0.41	5.83	0.41
		99	16.83	-2.15	-6.18	-5.45	-2.88	1.55	0.63	-1.94	0.26	-1.56	-0.90
		44	13.88	6.89	3.59	6.89	3.60	-0.11	1.88	-0.14	0.32	1.42	0.85
		37	58.28	-7.60	-20.57	-9.45	-18.72	-4.54	-0.48	-7.28	-0.50	-7.26	-0.37
100	5	79	34.61	3.67	-7.12	2.01	-5.46	3.90	4.49	-0.35	-0.32	4.47	0.32
		99	12.94	-1.25	-4.42	-4.00	-1.68	1.08	0.50	-1.46	0.21	-1.18	-0.69
		44	10.26	5.05	2.73	5.01	2.78	-0.31	1.42	-0.11	0.25	1.06	0.65
		37	43.17	-5.66	-14.40	-7.22	-12.84	-3.34	-0.38	-5.58	-0.39	-5.57	-0.29
100	22	79	29.15	4.42	-4.00	1.31	-0.90	4.07	4.38	-0.42	-0.39	4.35	0.38
		99	13.49	1.86	-2.83	-2.80	1.84	0.37	0.57	-1.34	0.28	-1.05	-0.68
		44	10.32	5.19	1.51	3.85	2.86	-1.78	1.22	-0.15	0.29	0.78	0.64
		37	32.74	-1.48	-7.34	-6.12	-2.70	-2.38	-0.44	-5.47	-0.46	-5.45	-0.30
100	54	79	29.26	4.43	-3.99	1.35	-0.91	4.06	4.39	-0.42	-0.39	4.36	0.38
		99	13.35	1.85	-2.80	-2.77	1.82	0.36	0.57	-1.32	0.28	-1.03	-0.68
		44	10.28	4.97	1.34	3.47	2.84	-1.79	1.24	-0.15	0.29	0.80	0.64
		37	32.58	-1.56	-7.65	-6.50	-2.71	-2.39	-0.44	-5.46	-0.46	-5.44	-0.30
101	3	102	11.15	-0.41	-6.86	-0.42	-6.86	0.10	7.92e-03	-0.80	-0.06	-0.73	0.23
		111	19.19	-1.02	-4.42	-1.60	-3.84	-1.28	2.63	-0.02	-0.02	2.62	0.12
		79	29.07	3.55	-9.22	1.97	-7.64	4.21	-0.13	-3.33	-0.13	-3.33	-0.03
		78	9.99	0.57	-6.08	-0.10	-5.41	-2.00	0.84	0.02	0.07	0.79	-0.20
101	7	102	7.96	-0.25	-4.57	-0.26	-4.57	0.18	0.02	-0.60	-0.02	-0.55	0.17
		111	14.44	-0.63	-3.26	-1.25	-2.64	-1.12	2.01	-0.03	-0.03	2.00	0.09
		79	21.54	2.82	-6.46	1.52	-5.17	3.21	-0.11	-2.55	-0.11	-2.55	-0.03
		78	7.07	0.52	-4.19	-0.05	-3.62	-1.54	0.63	0.02	0.06	0.59	-0.15
101	18	102	4.53	0.95	-0.73	0.19	0.03	0.84	0.15	-0.52	0.13	-0.49	0.14
		111	12.36	1.07	-3.02	-1.36	-0.58	-2.00	1.89	-0.14	-0.13	1.89	0.06
		79	16.35	3.74	-2.78	1.60	-0.63	3.06	-0.17	-2.46	-0.17	-2.46	-0.07
		78	4.94	1.52	-1.54	0.13	-0.14	-1.52	0.57	0.08	0.13	0.52	-0.15
101	50	102	4.51	0.95	-0.73	0.18	0.04	0.83	0.15	-0.53	0.13	-0.50	0.13
		111	12.45	1.08	-3.02	-1.38	-0.57	-2.01	1.91	-0.14	-0.13	1.91	0.05
		79	16.27	3.74	-2.76	1.60	-0.62	3.06	-0.16	-2.45	-0.17	-2.45	-0.07
		78	4.92	1.54	-1.54	0.13	-0.13	-1.53	0.57	0.08	0.13	0.52	-0.14

102	3	112	19.97	-1.11	-5.04	-1.60	-4.54	1.31	2.63	-0.04	-0.04	2.63	-0.12
		102	11.11	-0.42	-6.86	-0.42	-6.86	0.09	9.53e-03	-0.80	-0.06	-0.73	-0.23
		78	10.07	0.70	-6.21	-0.10	-5.41	2.21	0.85	0.01	0.07	0.79	0.21
		85	30.08	3.42	-10.07	1.97	-8.61	-4.19	-0.15	-3.35	-0.15	-3.35	0.03
102	7	112	14.95	-0.71	-3.64	-1.25	-3.10	1.14	2.01	-0.05	-0.04	2.01	-0.09
		102	7.92	-0.26	-4.56	-0.26	-4.56	-0.05	0.03	-0.60	-0.02	-0.56	-0.17
		78	7.12	0.62	-4.29	-0.05	-3.62	1.68	0.64	0.02	0.06	0.60	0.16
		85	22.21	2.72	-7.02	1.52	-5.82	-3.20	-0.12	-2.56	-0.12	-2.56	0.03
102	12	112	12.41	1.08	-3.05	-1.44	-0.54	2.01	1.89	-0.13	-0.13	1.89	-0.06
		102	4.46	0.92	-0.74	0.11	0.07	-0.83	0.16	-0.52	0.13	-0.50	-0.14
		78	4.95	1.54	-1.54	0.09	-0.10	1.54	0.56	0.08	0.13	0.51	0.15
		85	16.26	3.71	-2.75	1.55	-0.59	-3.05	-0.16	-2.46	-0.16	-2.46	0.07
102	44	112	12.47	1.08	-3.04	-1.41	-0.55	2.01	1.90	-0.13	-0.13	1.90	-0.05
		102	4.47	0.93	-0.73	0.14	0.06	-0.83	0.16	-0.52	0.13	-0.50	-0.13
		78	4.92	1.54	-1.54	0.11	-0.11	1.54	0.56	0.08	0.13	0.51	0.14
		85	16.21	3.72	-2.75	1.57	-0.60	-3.05	-0.16	-2.44	-0.16	-2.44	0.07
103	2	222	2.45	1.80	-5.42	-3.64	0.02	-3.12	-554.51	-706.93	-669.52	-591.92	65.59
		146	3.06	1.59	0.59	0.71	1.48	0.32	-542.12	-932.53	-924.06	-550.59	-56.87
		12	4.51	3.87	-12.69	-10.46	1.64	-5.65	-918.47	-1294.90	-1292.90	-920.48	27.38
		223	2.36	2.95	-3.40	-2.94	2.49	1.64	-550.47	-680.36	-553.70	-677.13	20.23
103	6	222	1.76	1.21	-3.65	-2.44	9.21e-03	-2.10	-402.88	-506.54	-481.05	-428.36	44.64
		146	2.19	1.09	0.43	0.52	1.00	0.22	-397.07	-665.95	-660.57	-402.46	-37.67
		12	3.17	2.63	-8.56	-7.05	1.12	-3.83	-653.24	-911.46	-910.12	-654.58	18.51
		223	1.70	2.00	-2.28	-1.96	1.68	1.11	-400.66	-489.92	-402.80	-487.78	13.65
103	12	222	1.14	0.17	-0.44	-0.32	0.05	-0.25	-291.95	-312.51	-309.73	-294.73	7.03
		146	1.33	0.08	-0.14	0.07	-0.12	-0.06	-315.87	-385.61	-385.23	-316.25	-5.14
		12	1.52	0.32	-1.37	-0.96	-0.09	-0.72	-360.05	-430.75	-429.71	-361.09	-8.49
		223	1.20	0.22	-0.35	-0.34	0.21	-0.09	-316.24	-320.43	-318.96	-317.70	-2.00
103	44	222	1.05	0.13	-0.33	-0.21	0.01	-0.21	-269.89	-287.49	-284.15	-273.23	6.90
		146	1.24	0.20	0.01	0.20	0.01	0.01	-289.98	-358.74	-358.70	-290.01	-1.53
		12	1.39	0.36	-1.06	-0.76	0.06	-0.59	-332.94	-394.54	-394.39	-333.09	-3.09
		223	1.09	0.19	-0.17	-0.17	0.18	0.02	-284.58	-294.46	-284.59	-294.45	-0.34
104	3	270	1.40	2.02	-1.53	1.01	-0.52	1.60	-277.43	-415.47	-407.88	-285.02	-31.46
		269	1.98	1.96	-1.70	1.55	-1.30	1.15	-291.27	-596.11	-580.16	-307.22	-67.87
		116	2.07	2.63	-0.67	2.58	-0.63	0.39	-66.08	-562.07	-558.89	-69.26	-39.61
		224	1.51	2.29	-0.91	1.98	-0.61	0.94	-69.94	-417.10	-416.43	-70.60	-15.23
104	7	270	1.03	1.35	-1.02	0.67	-0.35	1.07	-201.39	-308.24	-304.29	-205.35	-20.18
		269	1.45	1.31	-1.14	1.04	-0.86	0.77	-210.87	-436.13	-426.73	-220.27	-45.04
		116	1.51	1.76	-0.45	1.73	-0.42	0.26	-48.28	-412.75	-410.99	-50.05	-25.30
		224	1.11	1.53	-0.61	1.33	-0.41	0.63	-50.58	-308.85	-308.59	-50.84	-8.18
104	32	270	0.86	0.21	-0.14	0.14	-0.07	0.14	-126.48	-264.41	-264.39	-126.50	1.68
		269	1.05	0.23	-0.22	0.14	-0.13	0.17	-125.96	-321.01	-320.96	-126.01	-3.19
		116	1.11	0.29	-0.15	0.25	-0.10	0.13	-39.30	-310.54	-310.47	-39.37	4.30
		224	0.90	0.28	-0.08	0.25	-0.05	0.10	-39.55	-255.67	-255.09	-40.13	11.23
104	64	270	0.82	0.12	-0.07	0.08	-0.03	0.08	-120.46	-253.33	-253.21	-120.58	3.91
		269	1.02	0.14	-0.12	0.09	-0.07	0.10	-120.81	-309.95	-309.95	-120.82	-0.75
		116	1.07	0.16	-0.07	0.14	-0.05	0.07	-33.90	-298.99	-298.84	-34.05	6.36
		224	0.86	0.15	-0.04	0.13	-0.02	0.05	-33.19	-244.11	-243.30	-34.00	13.08
105	2	113	15.12	0.61	-5.83	0.22	-5.43	-1.54	0.15	-1.68	0.03	-1.56	0.47
		112	20.33	-1.14	-5.15	-1.85	-4.44	-1.53	2.73	-0.11	-0.11	2.72	-0.05
		85	31.10	3.28	-9.26	2.06	-8.03	3.72	-0.04	-3.51	-0.04	-3.50	0.17
		86	14.60	-0.45	-3.85	-0.50	-3.79	-0.43	1.89	-0.08	0.06	1.75	-0.51
105	6	113	11.01	0.52	-3.75	0.23	-3.46	-1.08	0.14	-1.28	0.04	-1.19	0.35
		112	15.26	-0.71	-3.80	-1.45	-3.06	-1.32	2.09	-0.10	-0.10	2.08	-0.04
		85	23.06	2.59	-6.43	1.59	-5.42	2.83	-0.04	-2.69	-0.04	-2.68	0.13
		86	10.63	-0.31	-2.41	-0.36	-2.36	-0.32	1.44	-0.06	0.05	1.33	-0.39

105	32	113	9.29	1.41	0.48	0.68	1.21	-0.38	0.27	-1.23	0.20	-1.16	0.31
		112	13.61	1.11	-3.44	-1.57	-0.77	-2.24	2.00	-0.20	-0.19	2.00	-0.08
		85	17.58	3.39	-2.34	1.60	-0.54	2.65	-0.08	-2.60	-0.09	-2.59	0.10
		86	9.57	1.25	-0.29	-0.25	1.21	-0.25	1.37	4.99e-03	0.12	1.25	-0.38
105	64	113	9.28	1.41	0.48	0.67	1.22	-0.38	0.27	-1.22	0.20	-1.15	0.32
		112	13.68	1.11	-3.44	-1.58	-0.75	-2.24	2.01	-0.20	-0.19	2.00	-0.08
		85	17.53	3.42	-2.32	1.63	-0.53	2.66	-0.08	-2.59	-0.09	-2.59	0.09
		86	9.59	1.27	-0.25	-0.21	1.22	-0.24	1.37	5.50e-03	0.12	1.26	-0.38
106	2	113	15.13	0.61	-5.83	0.22	-5.43	-1.54	1.68	-0.16	-0.03	1.56	-0.47
		118	20.31	-1.14	-5.15	-1.85	-4.44	-1.53	0.11	-2.72	0.11	-2.72	0.05
		87	31.08	3.27	-9.25	2.05	-8.03	3.71	3.51	0.03	0.04	3.50	-0.17
		86	14.60	-0.45	-3.85	-0.50	-3.79	-0.43	0.09	-1.89	-0.05	-1.75	0.51
106	6	113	11.01	0.52	-3.75	0.23	-3.46	-1.08	1.28	-0.14	-0.05	1.19	-0.35
		118	15.26	-0.71	-3.79	-1.44	-3.06	-1.31	0.10	-2.08	0.10	-2.08	0.04
		87	23.05	2.59	-6.42	1.59	-5.42	2.83	2.68	0.03	0.04	2.68	-0.13
		86	10.64	-0.31	-2.41	-0.36	-2.36	-0.32	0.06	-1.44	-0.05	-1.33	0.39
106	26	113	9.29	1.41	0.48	0.67	1.21	-0.38	1.23	-0.27	-0.20	1.16	-0.32
		118	13.60	1.11	-3.44	-1.57	-0.77	-2.24	0.20	-2.00	0.19	-1.99	0.08
		87	17.57	3.38	-2.33	1.59	-0.54	2.65	2.60	0.08	0.09	2.59	-0.10
		86	9.57	1.25	-0.29	-0.25	1.21	-0.25	-4.07e-03	-1.37	-0.12	-1.25	0.38
106	58	113	9.29	1.41	0.47	0.66	1.22	-0.38	1.22	-0.27	-0.20	1.15	-0.32
		118	13.67	1.11	-3.43	-1.58	-0.75	-2.23	0.20	-2.00	0.19	-2.00	0.08
		87	17.52	3.41	-2.31	1.63	-0.53	2.65	2.59	0.08	0.09	2.58	-0.09
		86	9.60	1.27	-0.25	-0.21	1.23	-0.24	-4.58e-03	-1.37	-0.12	-1.26	0.38
107	1	18	4.59	10.27	-12.01	-11.59	9.85	3.03	-697.76	-1332.22	-1289.04	-740.94	159.79
		142	3.25	-0.47	-10.56	-10.31	-0.71	-1.55	-488.51	-938.72	-918.25	-508.98	93.80
		20	5.04	13.49	-0.89	8.05	4.55	6.98	-936.40	-1484.79	-1479.15	-942.04	55.31
		127	3.46	5.95	0.40	5.71	0.64	1.14	-616.09	-1024.82	-1014.16	-626.76	65.14
107	5	18	3.21	6.99	-8.07	-7.79	6.70	2.06	-503.30	-936.38	-908.22	-531.46	106.79
		142	2.31	-0.32	-7.11	-6.93	-0.49	-1.06	-360.57	-668.10	-654.89	-373.78	62.36
		20	3.52	9.18	-0.58	5.49	3.10	4.73	-664.79	-1037.73	-1033.94	-668.58	37.41
		127	2.47	4.06	0.29	3.90	0.45	0.76	-449.58	-729.74	-722.62	-456.70	44.10
107	18	18	1.54	0.69	-1.32	-1.31	0.68	0.14	-325.56	-454.18	-450.03	-329.71	22.72
		142	1.41	-0.31	-1.36	-1.31	-0.36	-0.23	-308.76	-408.51	-405.07	-312.20	18.20
		20	1.57	1.55	0.06	1.19	0.43	0.64	-355.78	-454.44	-450.85	-359.37	18.48
		127	1.52	0.97	0.01	0.94	0.04	-0.16	-337.24	-444.11	-439.91	-341.44	20.76
107	50	18	1.39	0.88	-0.89	-0.85	0.85	0.25	-303.26	-408.20	-406.81	-304.64	11.99
		142	1.25	-0.15	-0.93	-0.86	-0.22	-0.22	-283.58	-362.15	-361.30	-284.43	8.11
		20	1.42	1.46	0.07	1.07	0.45	0.62	-329.20	-404.87	-403.23	-330.83	11.01
		127	1.37	0.84	0.08	0.83	0.09	-0.08	-313.59	-394.86	-392.84	-315.61	12.65
108	1	272	2.20	0.30	-1.60	-0.86	-0.44	-0.92	-99.16	-622.07	-589.58	-131.64	-126.22
		271	2.16	0.40	-1.67	-0.92	-0.35	-1.00	-112.11	-616.10	-596.86	-131.35	-96.57
		122	1.96	0.42	-1.54	-0.97	-0.15	-0.89	-3.67	-515.01	-499.06	-19.61	-88.87
		128	1.97	0.52	-1.10	-0.55	-0.03	-0.76	-3.11	-520.75	-501.20	-22.67	-98.69
108	5	272	1.59	0.20	-1.06	-0.57	-0.29	-0.62	-83.02	-453.83	-433.84	-103.02	-83.75
		271	1.56	0.27	-1.11	-0.61	-0.24	-0.67	-90.85	-448.03	-436.21	-102.67	-63.90
		122	1.43	0.28	-1.02	-0.64	-0.10	-0.60	-6.67	-378.48	-368.62	-16.53	-59.74
		128	1.44	0.35	-0.73	-0.36	-0.02	-0.51	-6.69	-384.51	-372.56	-18.64	-66.11
108	37	272	1.11	0.23	-0.23	0.16	-0.16	-0.17	-124.63	-336.58	-336.49	-124.72	-4.28
		271	1.05	0.23	-0.20	0.16	-0.13	-0.16	-124.42	-318.08	-318.02	-124.47	-3.20
		122	1.06	0.28	-0.14	0.24	-0.10	-0.12	-35.94	-297.35	-296.85	-36.45	-11.49
		128	1.13	0.28	-0.16	0.24	-0.12	-0.13	-35.73	-315.95	-315.55	-36.13	-10.63
108	69	272	1.06	0.14	-0.12	0.10	-0.09	-0.09	-119.39	-320.68	-320.68	-119.39	-0.53
		271	0.99	0.14	-0.11	0.10	-0.07	-0.09	-118.70	-302.13	-302.13	-118.71	0.32
		122	1.01	0.16	-0.07	0.14	-0.05	-0.06	-30.80	-282.87	-282.65	-31.02	-7.45
		128	1.08	0.16	-0.08	0.14	-0.06	-0.07	-31.00	-301.59	-301.44	-31.15	-6.36

109	2	14	3.98	12.63	1.31	4.91	9.03	5.27	-700.46	-1162.34	-1131.18	-731.62	-115.85
		148	1.90	2.44	-6.05	0.21	-3.81	-3.74	-195.75	-534.93	-376.87	-353.81	-169.20
		124	1.69	4.65	-0.25	1.41	2.98	2.32	-383.41	-478.59	-476.71	-385.29	13.27
		130	3.35	4.46	-3.76	-0.86	1.57	-3.93	-640.79	-1012.48	-1011.01	-642.26	-23.33
109	6	14	2.82	8.58	0.89	3.35	6.13	3.58	-505.50	-822.85	-802.76	-525.60	-77.29
		148	1.39	1.70	-4.05	0.18	-2.53	-2.54	-172.11	-399.78	-298.99	-272.90	-113.09
		124	1.30	3.19	-0.14	1.01	2.04	1.59	-295.03	-367.40	-366.26	-296.17	9.03
		130	2.39	3.05	-2.52	-0.54	1.08	-2.67	-466.52	-723.00	-722.02	-467.50	-15.87
109	10	14	1.45	1.22	0.11	0.66	0.67	0.56	-325.50	-418.95	-414.85	-329.60	-19.14
		148	1.37	0.62	-0.12	0.41	0.09	-0.33	-295.65	-405.20	-403.04	-297.81	-15.23
		124	1.36	0.76	0.10	0.46	0.40	0.33	-312.09	-394.28	-394.25	-312.12	-1.42
		130	1.39	0.43	-0.11	0.22	0.10	-0.26	-335.97	-398.01	-396.07	-337.90	-10.79
109	42	14	1.35	1.21	0.14	0.61	0.74	0.53	-304.90	-390.03	-388.96	-305.96	-9.46
		148	1.29	0.57	-0.14	0.35	0.08	-0.33	-286.64	-380.57	-379.80	-287.41	-8.47
		124	1.31	0.75	0.13	0.47	0.41	0.31	-303.18	-378.30	-378.30	-303.18	0.02
		130	1.32	0.53	-0.11	0.24	0.18	-0.32	-315.06	-378.13	-377.47	-315.73	-6.42
110	3	274	2.20	2.13	-1.78	1.89	-1.54	0.95	-294.13	-660.41	-646.52	-308.02	-69.97
		273	2.40	2.07	-2.05	2.06	-2.04	-0.20	-303.71	-721.47	-714.67	-310.51	-52.86
		125	2.38	3.01	-0.81	2.97	-0.78	-0.37	-56.38	-639.01	-635.58	-59.81	-44.58
		131	2.24	2.93	-0.79	2.84	-0.70	0.59	-63.19	-604.63	-601.46	-66.35	-41.29
110	7	274	1.60	1.43	-1.19	1.26	-1.03	0.64	-212.57	-481.22	-472.98	-220.81	-46.32
		273	1.74	1.39	-1.37	1.38	-1.37	-0.13	-218.37	-524.27	-520.22	-222.43	-34.99
		125	1.73	2.01	-0.54	1.99	-0.52	-0.24	-41.49	-467.41	-465.37	-43.54	-29.43
		131	1.64	1.96	-0.53	1.90	-0.47	0.40	-46.27	-442.94	-441.15	-48.05	-26.56
110	32	274	1.15	0.24	-0.14	0.24	-0.13	0.05	-127.27	-346.67	-346.66	-127.28	-1.28
		273	1.19	0.25	-0.18	0.24	-0.17	0.06	-125.58	-359.85	-359.85	-125.58	-0.62
		125	1.22	0.32	-0.13	0.32	-0.13	0.04	-36.62	-340.26	-340.26	-36.62	0.31
		131	1.18	0.32	-0.11	0.31	-0.11	0.03	-39.12	-328.99	-328.92	-39.18	4.20
110	64	274	1.09	0.15	-0.08	0.14	-0.07	0.03	-121.45	-330.21	-330.21	-121.45	0.63
		273	1.14	0.15	-0.10	0.14	-0.10	0.03	-120.46	-343.55	-343.55	-120.46	0.67
		125	1.17	0.18	-0.06	0.18	-0.06	0.02	-31.88	-325.86	-325.86	-31.89	1.25
		131	1.13	0.17	-0.06	0.17	-0.05	0.02	-33.63	-314.80	-314.68	-33.74	5.76
111	1	148	2.01	1.68	-6.47	-0.79	-4.00	3.75	-226.10	-573.62	-449.42	-350.30	166.54
		18	4.14	12.34	0.57	3.87	9.03	-5.29	-696.76	-1223.72	-1197.87	-722.60	113.80
		127	3.57	4.09	-4.45	-1.80	1.44	3.96	-639.29	-1078.53	-1077.22	-640.60	24.00
		124	1.86	4.29	-0.97	0.46	2.85	-2.34	-385.70	-552.10	-551.02	-386.79	-13.40
111	5	148	1.47	1.19	-4.33	-0.49	-2.65	2.54	-191.42	-426.49	-347.36	-270.56	111.09
		18	2.92	8.38	0.40	2.65	6.13	-3.59	-502.44	-862.85	-846.18	-519.11	75.69
		127	2.53	2.81	-2.98	-1.16	0.99	2.69	-465.03	-766.01	-765.13	-465.92	16.31
		124	1.41	2.95	-0.62	0.37	1.96	-1.60	-296.47	-416.49	-415.80	-297.17	-9.12
111	20	148	1.38	0.56	-0.16	0.32	0.08	0.34	-292.39	-410.57	-408.12	-294.84	16.85
		18	1.43	1.16	0.07	0.57	0.67	-0.54	-318.66	-416.89	-412.21	-323.35	20.93
		127	1.38	0.40	-0.16	0.13	0.10	0.28	-328.42	-396.13	-393.03	-331.52	14.14
		124	1.37	0.70	0.07	0.37	0.39	-0.31	-308.88	-399.11	-398.87	-309.12	4.63
111	52	148	1.30	0.54	-0.16	0.30	0.08	0.33	-285.25	-382.97	-382.25	-285.97	8.38
		18	1.33	1.18	0.12	0.57	0.73	-0.53	-300.03	-384.72	-383.65	-301.10	9.44
		127	1.30	0.51	-0.13	0.20	0.18	0.32	-309.74	-373.04	-372.01	-310.77	8.03
		124	1.32	0.72	0.12	0.42	0.41	-0.30	-301.70	-380.56	-380.53	-301.73	1.53
112	3	273	2.40	2.06	-2.07	2.04	-2.05	-0.29	-304.95	-720.59	-715.02	-310.52	-47.83
		272	2.09	2.37	-2.12	1.83	-1.58	-1.46	-298.14	-630.48	-628.21	-300.41	-27.36
		128	2.14	2.84	-1.00	2.59	-0.75	-0.95	-59.21	-580.28	-576.55	-62.95	-43.93
		125	2.38	3.08	-0.75	3.08	-0.75	7.75e-03	-56.61	-638.89	-635.76	-59.74	-42.57
112	7	273	1.74	1.38	-1.38	1.37	-1.37	-0.19	-219.15	-523.75	-520.46	-222.44	-31.51
		272	1.52	1.59	-1.41	1.23	-1.05	-0.97	-214.04	-460.86	-459.56	-215.34	-17.88
		128	1.57	1.90	-0.66	1.73	-0.50	-0.63	-43.33	-425.58	-423.27	-45.64	-29.62
		125	1.74	2.06	-0.50	2.06	-0.50	5.43e-03	-41.62	-467.35	-465.49	-43.48	-28.06

112	37	273	1.20	0.23	-0.20	0.20	-0.17	-0.10	-125.25	-361.68	-361.49	-125.44	-6.71
		272	1.12	0.22	-0.16	0.20	-0.14	-0.09	-123.77	-339.17	-339.02	-123.91	-5.55
		128	1.15	0.29	-0.13	0.27	-0.11	-0.07	-37.21	-321.63	-321.18	-37.66	-11.37
		125	1.23	0.29	-0.15	0.28	-0.13	-0.08	-36.14	-341.74	-341.55	-36.33	-7.70
112	69	273	1.14	0.14	-0.11	0.13	-0.10	-0.05	-120.41	-344.40	-344.38	-120.42	-1.78
		272	1.06	0.14	-0.09	0.13	-0.07	-0.05	-118.29	-321.80	-321.79	-118.30	-1.28
		128	1.10	0.16	-0.06	0.15	-0.06	-0.04	-32.29	-306.16	-305.99	-32.46	-6.80
		125	1.17	0.17	-0.07	0.16	-0.06	-0.04	-31.70	-326.51	-326.49	-31.72	-2.47
113	2	146	3.05	-0.29	-9.48	-9.20	-0.56	1.57	-496.80	-884.29	-858.70	-522.40	-96.24
		14	4.36	10.21	-10.96	-10.55	9.80	-2.90	-699.67	-1271.15	-1221.08	-749.75	-161.59
		130	3.28	6.84	0.56	6.61	0.79	-1.17	-615.73	-960.33	-947.99	-628.07	-64.03
		12	4.85	13.91	-0.47	8.85	4.59	-6.87	-935.81	-1416.12	-1409.82	-942.11	-54.64
113	6	146	2.18	-0.20	-6.39	-6.19	-0.39	1.07	-366.89	-633.17	-616.65	-383.41	-64.23
		14	3.07	6.95	-7.37	-7.09	6.67	-1.98	-505.16	-896.59	-863.95	-537.80	-108.22
		130	2.35	4.65	0.40	4.50	0.54	-0.78	-449.87	-687.73	-679.54	-458.05	-43.36
		12	3.41	9.46	-0.30	6.03	3.13	-4.66	-665.09	-993.33	-989.12	-669.30	-36.97
113	9	146	1.43	-0.27	-1.24	-1.18	-0.34	0.25	-317.16	-413.09	-410.20	-320.05	-16.41
		14	1.55	0.72	-1.18	-1.17	0.70	-0.14	-332.39	-455.70	-452.05	-336.04	-20.90
		130	1.54	1.04	0.02	1.01	0.05	0.17	-344.90	-445.53	-442.47	-347.96	-17.28
		12	1.60	1.59	0.10	1.26	0.44	-0.62	-364.84	-458.62	-456.18	-367.28	-14.92
113	41	146	1.28	-0.13	-0.87	-0.79	-0.21	0.23	-290.03	-370.29	-369.44	-290.88	-8.22
		14	1.40	0.90	-0.82	-0.79	0.86	-0.25	-308.15	-413.22	-411.82	-309.54	-12.01
		130	1.39	0.87	0.09	0.87	0.10	0.09	-319.10	-399.59	-398.07	-320.62	-10.98
		12	1.45	1.48	0.09	1.11	0.46	-0.62	-336.11	-412.40	-411.24	-337.27	-9.31
114	3	269	1.99	2.04	-1.66	1.58	-1.19	1.22	-293.17	-598.13	-583.28	-308.02	-65.64
		274	2.18	2.05	-1.78	1.81	-1.54	0.93	-296.58	-654.02	-640.48	-310.12	-68.25
		131	2.20	2.79	-0.78	2.77	-0.76	0.25	-61.13	-594.05	-590.85	-64.33	-41.16
		116	2.05	2.75	-0.88	2.64	-0.77	0.62	-63.17	-554.60	-551.66	-66.11	-37.90
114	7	269	1.45	1.37	-1.11	1.06	-0.80	0.82	-212.29	-437.69	-428.96	-221.02	-43.48
		274	1.58	1.37	-1.19	1.21	-1.03	0.62	-214.38	-477.01	-468.99	-222.40	-45.18
		131	1.61	1.87	-0.52	1.86	-0.51	0.17	-44.75	-435.41	-433.61	-46.55	-26.51
		116	1.50	1.84	-0.59	1.76	-0.52	0.41	-46.13	-407.28	-405.66	-47.74	-24.12
114	32	269	1.09	0.23	-0.16	0.20	-0.12	0.12	-129.25	-330.66	-330.62	-129.29	-2.82
		274	1.14	0.24	-0.19	0.20	-0.15	0.13	-128.19	-344.71	-344.69	-128.22	-2.24
		131	1.16	0.31	-0.13	0.29	-0.11	0.09	-37.81	-325.04	-325.00	-37.85	3.43
		116	1.11	0.30	-0.11	0.29	-0.09	0.08	-38.72	-311.61	-311.53	-38.80	4.77
114	64	269	1.03	0.14	-0.09	0.12	-0.06	0.07	-123.22	-315.23	-315.23	-123.22	-0.28
		274	1.08	0.14	-0.11	0.12	-0.08	0.07	-122.62	-329.39	-329.39	-122.62	0.12
		131	1.12	0.17	-0.06	0.16	-0.05	0.05	-32.41	-311.06	-310.96	-32.51	5.23
		116	1.06	0.17	-0.06	0.16	-0.05	0.04	-32.81	-297.57	-297.40	-32.99	6.74
115	4	250	1.57	1.31	-1.62	-0.10	-0.22	1.46	-101.78	-449.64	-178.16	-373.26	144.00
		82	1.44	1.49	-2.21	-0.23	-0.49	1.85	-3.14	-368.83	-77.23	-294.73	146.99
		132	1.54	1.44	-1.59	-0.07	-0.08	1.51	3.19	-395.42	-81.48	-310.75	163.04
		253	1.71	1.45	-2.00	-0.30	-0.25	1.72	-85.64	-479.27	-177.50	-387.40	166.50
115	8	250	1.11	0.88	-1.08	-0.06	-0.14	0.98	-89.70	-323.05	-138.99	-273.76	95.25
		82	1.01	1.00	-1.47	-0.15	-0.32	1.23	-15.23	-266.10	-62.03	-219.30	97.73
		132	1.08	0.96	-1.06	-0.05	-0.05	1.01	-11.70	-285.52	-65.09	-232.13	108.49
		253	1.21	0.97	-1.34	-0.20	-0.16	1.15	-79.59	-344.42	-138.69	-285.32	110.27
115	20	250	0.71	0.17	-0.26	-0.17	0.08	0.18	-165.98	-206.11	-166.23	-205.86	-3.15
		82	0.61	0.17	-0.23	-0.17	0.10	0.15	-93.27	-188.06	-93.28	-188.05	1.01
		132	0.67	0.16	-0.25	-0.18	0.10	0.15	-94.37	-204.16	-94.40	-204.13	1.76
		253	0.75	0.17	-0.29	-0.20	0.08	0.18	-166.59	-221.90	-166.72	-221.77	-2.70
115	52	250	0.68	0.10	-0.14	-0.08	0.05	0.10	-158.17	-196.58	-158.68	-196.06	-4.42
		82	0.58	0.10	-0.12	-0.08	0.06	0.08	-85.94	-179.27	-85.94	-179.27	-0.53
		132	0.64	0.10	-0.12	-0.09	0.06	0.08	-87.33	-195.41	-87.33	-195.41	0.05
		253	0.72	0.10	-0.15	-0.10	0.05	0.10	-159.13	-212.34	-159.45	-212.02	-4.13

116	4	118	19.92	-1.11	-5.03	-1.60	-4.54	1.30	0.04	-2.63	0.04	-2.62	0.12
		119	11.08	-0.42	-6.86	-0.42	-6.86	0.09	0.80	-9.11e-03	0.06	0.73	0.23
		94	10.04	0.71	-6.21	-0.09	-5.41	2.21	-0.01	-0.84	-0.07	-0.79	-0.20
		87	30.02	3.42	-10.06	1.96	-8.61	-4.18	3.34	0.15	0.15	3.34	-0.03
116	8	118	14.92	-0.71	-3.64	-1.25	-3.10	1.14	0.05	-2.01	0.04	-2.00	0.09
		119	7.90	-0.26	-4.57	-0.26	-4.57	-0.05	0.60	-0.03	0.02	0.55	0.17
		94	7.09	0.62	-4.29	-0.05	-3.62	1.68	-0.02	-0.63	-0.06	-0.59	-0.15
		87	22.16	2.71	-7.02	1.52	-5.82	-3.19	2.55	0.12	0.12	2.55	-0.03
116	14	118	12.38	1.08	-3.04	-1.43	-0.53	2.01	0.13	-1.88	0.13	-1.88	0.06
		119	4.44	0.92	-0.74	0.11	0.07	-0.83	0.52	-0.16	-0.13	0.49	0.13
		94	4.93	1.54	-1.54	0.09	-0.10	1.54	-0.08	-0.56	-0.13	-0.51	-0.15
		87	16.21	3.70	-2.74	1.55	-0.59	-3.04	2.45	0.16	0.17	2.45	-0.07
116	46	118	12.43	1.08	-3.03	-1.41	-0.55	2.01	0.13	-1.90	0.13	-1.90	0.05
		119	4.45	0.93	-0.73	0.14	0.06	-0.83	0.52	-0.16	-0.13	0.49	0.13
		94	4.90	1.55	-1.54	0.11	-0.11	1.54	-0.08	-0.55	-0.13	-0.51	-0.14
		87	16.16	3.71	-2.74	1.57	-0.60	-3.04	2.44	0.16	0.16	2.43	-0.07
117	4	119	11.12	-0.42	-6.86	-0.42	-6.86	0.10	0.79	-7.51e-03	0.06	0.72	-0.23
		120	19.14	-1.02	-4.41	-1.60	-3.84	-1.27	0.02	-2.62	0.02	-2.61	-0.12
		95	29.01	3.54	-9.21	1.97	-7.64	4.20	3.32	0.13	0.13	3.32	0.03
		94	9.96	0.57	-6.08	-0.10	-5.41	-2.00	-0.02	-0.83	-0.07	-0.78	0.20
117	8	119	7.94	-0.25	-4.58	-0.26	-4.57	0.18	0.60	-0.02	0.03	0.55	-0.17
		120	14.40	-0.63	-3.26	-1.25	-2.63	-1.12	0.03	-2.00	0.03	-2.00	-0.09
		95	21.49	2.81	-6.46	1.52	-5.17	3.21	2.54	0.11	0.11	2.54	0.03
		94	7.05	0.52	-4.19	-0.05	-3.62	-1.54	-0.02	-0.63	-0.06	-0.59	0.15
117	24	119	4.51	0.95	-0.74	0.19	0.03	0.84	0.52	-0.15	-0.13	0.49	-0.14
		120	12.33	1.07	-3.01	-1.36	-0.58	-2.00	0.14	-1.89	0.13	-1.89	-0.06
		95	16.30	3.73	-2.77	1.59	-0.63	3.06	2.46	0.17	0.17	2.45	0.07
		94	4.92	1.52	-1.54	0.13	-0.14	-1.53	-0.08	-0.57	-0.13	-0.52	0.15
117	56	119	4.49	0.95	-0.73	0.18	0.04	0.83	0.52	-0.15	-0.13	0.49	-0.13
		120	12.42	1.08	-3.02	-1.38	-0.57	-2.01	0.13	-1.90	0.13	-1.90	-0.05
		95	16.22	3.73	-2.76	1.59	-0.62	3.05	2.44	0.16	0.17	2.44	0.07
		94	4.90	1.54	-1.54	0.13	-0.13	-1.53	-0.08	-0.56	-0.13	-0.52	0.14
118	2	190	2.00	1.56	-3.08	-2.06	0.53	-1.93	-401.61	-594.17	-588.88	-406.90	31.49
		83	2.60	2.00	-3.29	-0.71	-0.57	-2.65	-374.21	-792.20	-788.04	-378.36	-41.47
		137	2.89	2.24	-5.24	-2.75	-0.25	-3.53	-495.76	-865.32	-864.03	-497.05	-21.80
		225	2.10	1.49	-2.41	-1.97	1.05	-1.24	-461.77	-616.56	-605.34	-472.99	40.13
118	6	190	1.45	1.05	-2.06	-1.38	0.36	-1.29	-296.03	-430.02	-426.46	-299.60	21.56
		83	1.87	1.35	-2.20	-0.47	-0.38	-1.78	-279.32	-570.87	-568.37	-281.82	-26.85
		137	2.07	1.51	-3.52	-1.84	-0.17	-2.37	-363.59	-620.66	-619.92	-364.33	-13.76
		225	1.52	1.01	-1.61	-1.32	0.71	-0.83	-338.56	-445.25	-437.65	-346.17	27.46
118	9	190	1.02	0.17	-0.31	-0.20	0.05	-0.20	-240.30	-295.99	-295.64	-240.65	4.39
		83	1.21	0.25	-0.39	-0.11	-0.04	-0.32	-248.18	-363.85	-363.80	-248.23	2.28
		137	1.26	0.26	-0.55	-0.26	-0.03	-0.39	-274.19	-373.72	-373.66	-274.25	2.43
		225	1.06	0.15	-0.30	-0.23	0.08	-0.17	-259.36	-301.18	-300.40	-260.15	5.69
118	41	190	0.95	0.12	-0.18	-0.11	0.05	-0.13	-225.70	-274.53	-274.14	-226.08	4.31
		83	1.14	0.18	-0.23	-0.02	-0.03	-0.21	-234.42	-342.65	-342.49	-234.58	4.17
		137	1.19	0.20	-0.36	-0.14	-0.02	-0.28	-260.08	-350.91	-350.71	-260.27	4.20
		225	0.99	0.11	-0.15	-0.12	0.08	-0.09	-244.34	-278.17	-277.26	-245.25	5.48
119	1	120	20.34	-1.08	-5.21	-1.85	-4.44	1.60	0.11	-2.72	0.11	-2.72	-0.05
		134	14.90	0.63	-5.58	0.22	-5.16	1.55	1.69	-0.16	-0.04	1.56	0.47
		99	14.28	-0.44	-3.47	-0.50	-3.41	0.43	0.08	-1.90	-0.06	-1.76	-0.51
		95	31.04	3.22	-9.20	2.05	-8.03	-3.63	3.51	0.03	0.04	3.50	0.17
119	5	120	15.27	-0.66	-3.84	-1.44	-3.06	1.37	0.10	-2.08	0.10	-2.08	-0.04
		134	10.86	0.54	-3.59	0.23	-3.28	1.09	1.29	-0.14	-0.05	1.19	0.35
		99	10.42	-0.30	-2.17	-0.36	-2.11	0.32	0.05	-1.45	-0.06	-1.34	-0.39
		95	23.02	2.55	-6.39	1.59	-5.42	-2.77	2.68	0.03	0.04	2.68	0.13

119	17	120	13.57	1.16	-3.39	-1.52	-0.71	2.24	0.19	-1.98	0.19	-1.98	-0.08
		134	9.48	1.46	0.52	0.72	1.26	0.38	1.25	-0.27	-0.20	1.19	0.31
		99	9.43	1.30	-0.28	-0.24	1.26	0.25	-3.98e-03	-1.34	-0.12	-1.22	-0.38
		95	17.56	3.40	-2.29	1.59	-0.49	-2.64	2.60	0.08	0.08	2.60	0.10
119	49	120	13.64	1.13	-3.41	-1.55	-0.72	2.23	0.20	-2.00	0.19	-1.99	-0.08
		134	9.37	1.44	0.50	0.69	1.25	0.38	1.23	-0.27	-0.20	1.17	0.32
		99	9.52	1.29	-0.25	-0.21	1.25	0.25	-4.11e-03	-1.36	-0.12	-1.24	-0.38
		95	17.51	3.42	-2.29	1.63	-0.50	-2.65	2.59	0.08	0.08	2.59	0.10
120	1	108	2.93	1.28	-2.12	-0.12	-0.71	1.68	-306.33	-880.34	-849.26	-337.41	129.90
		104	2.87	1.14	-5.34	-2.68	-1.52	3.19	-357.57	-857.53	-852.35	-362.74	50.61
		133	3.10	2.35	-4.60	-2.20	-0.05	3.30	-481.58	-936.93	-936.19	-482.32	18.41
		139	3.43	0.76	-6.95	-2.72	-3.47	3.83	-429.99	-1021.19	-996.28	-454.90	118.76
120	5	108	2.08	0.87	-1.40	-0.06	-0.48	1.12	-234.95	-630.36	-610.73	-254.58	85.89
		104	2.05	0.77	-3.58	-1.79	-1.03	2.14	-267.79	-613.17	-610.06	-270.91	32.65
		133	2.20	1.59	-3.08	-1.46	-0.02	2.22	-353.43	-667.21	-666.82	-353.82	11.08
		139	2.43	0.52	-4.68	-1.79	-2.36	2.58	-320.55	-726.24	-710.34	-336.45	78.71
120	20	108	1.28	0.16	-0.21	-0.09	0.04	0.17	-242.70	-389.85	-389.06	-243.49	10.79
		104	1.23	0.13	-0.60	-0.29	-0.17	0.36	-243.68	-369.59	-369.48	-243.79	3.64
		133	1.29	0.28	-0.42	-0.14	-3.47e-04	0.34	-269.53	-385.17	-385.16	-269.55	1.32
		139	1.36	0.19	-0.50	-0.06	-0.25	0.33	-270.93	-411.05	-410.16	-271.81	11.08
120	52	108	1.19	0.11	-0.06	0.05	-4.95e-03	0.08	-232.51	-360.72	-360.67	-232.56	2.45
		104	1.13	0.11	-0.38	-0.14	-0.13	0.24	-230.45	-340.68	-340.62	-230.51	-2.49
		133	1.18	0.26	-0.25	-0.03	0.03	0.25	-255.16	-351.76	-351.59	-255.33	-3.99
		139	1.25	0.18	-0.45	0.04	-0.30	0.27	-259.85	-377.18	-377.07	-259.95	3.56
121	4	117	2.82	1.14	-3.04	-0.31	-1.58	-1.99	-682.23	-798.50	-689.69	-791.04	28.50
		114	3.44	3.48	-7.65	3.28	-7.44	-1.50	-780.95	-1001.31	-937.51	-844.75	99.94
		16	4.57	3.28	-13.89	0.70	-11.31	-6.13	-1004.44	-1290.37	-1017.12	-1277.69	58.87
		140	2.77	3.71	0.25	2.70	1.25	1.57	-629.47	-792.43	-646.53	-775.37	-49.89
121	8	117	2.02	0.77	-2.03	-0.21	-1.05	-1.33	-498.96	-563.78	-505.20	-557.54	19.12
		114	2.44	2.35	-5.13	2.21	-4.99	-1.02	-556.00	-710.70	-672.73	-593.97	66.58
		16	3.19	2.22	-9.33	0.48	-7.59	-4.14	-717.79	-896.42	-726.70	-887.52	38.88
		140	1.99	2.52	0.17	1.83	0.86	1.07	-464.38	-563.10	-477.38	-550.09	-33.39
121	25	117	1.31	0.01	-0.24	7.48e-04	-0.22	-0.06	-284.95	-391.04	-391.04	-284.95	0.54
		114	1.42	0.33	-0.76	0.15	-0.58	-0.40	-324.14	-415.35	-415.33	-324.16	-1.54
		16	1.50	0.23	-1.21	-0.19	-0.79	-0.66	-359.96	-423.95	-422.72	-361.19	-8.79
		140	1.36	0.03	-0.22	-0.04	-0.14	0.11	-307.13	-399.29	-398.87	-307.55	-6.20
121	57	117	1.22	0.03	-0.11	5.82e-03	-0.08	-0.05	-254.72	-364.98	-364.97	-254.73	0.74
		114	1.29	0.27	-0.47	0.17	-0.38	-0.25	-276.08	-385.70	-385.70	-276.09	-0.94
		16	1.35	0.26	-0.86	-0.04	-0.56	-0.49	-312.65	-393.13	-392.73	-313.05	-5.66
		140	1.26	0.19	-0.08	0.09	0.02	0.13	-277.13	-372.58	-372.45	-277.26	-3.48
122	4	114	3.40	3.61	-7.83	3.19	-7.41	2.15	-845.05	-938.73	-938.45	-845.34	5.19
		108	2.87	1.74	-3.64	-0.22	-1.68	2.59	-649.01	-825.10	-686.27	-787.84	71.92
		139	2.93	2.95	0.77	2.64	1.08	-0.76	-548.68	-878.31	-648.93	-778.06	151.64
		16	4.61	3.96	-14.11	1.12	-11.27	6.58	-1009.53	-1286.68	-1017.27	-1278.95	45.65
122	8	114	2.42	2.44	-5.25	2.15	-4.97	1.45	-594.24	-673.46	-673.34	-594.36	3.13
		108	2.04	1.17	-2.42	-0.14	-1.11	1.73	-474.08	-582.74	-501.86	-554.96	47.40
		139	2.09	2.01	0.52	1.79	0.74	-0.53	-407.30	-622.02	-477.93	-551.39	100.88
		16	3.22	2.68	-9.48	0.76	-7.56	4.44	-721.24	-893.92	-726.80	-888.36	30.48
122	34	114	1.43	0.37	-0.85	0.11	-0.59	0.50	-321.66	-418.57	-417.19	-323.04	11.49
		108	1.30	0.02	-0.28	-0.04	-0.22	0.12	-280.53	-385.89	-385.17	-281.25	8.68
		139	1.35	-0.08	-0.19	-0.12	-0.15	-0.05	-300.64	-396.16	-393.41	-303.40	15.99
		16	1.51	0.27	-1.34	-0.27	-0.80	0.76	-354.95	-430.37	-425.12	-360.20	19.19
122	66	114	1.29	0.28	-0.51	0.15	-0.38	0.30	-275.38	-386.71	-386.54	-275.54	4.26
		108	1.19	0.04	-0.14	-0.02	-0.08	0.08	-251.15	-358.07	-358.03	-251.19	2.08
		139	1.24	0.14	-0.07	0.05	0.02	-0.10	-272.84	-366.23	-365.72	-273.35	6.91
		16	1.36	0.27	-0.92	-0.08	-0.56	0.54	-311.51	-395.01	-393.91	-312.60	9.48

123	4	83	2.50	2.09	-5.45	0.17	-3.53	-3.28	-605.48	-696.42	-622.18	-679.72	35.21
		117	2.67	2.55	-3.00	2.55	-2.99	-0.18	-670.51	-741.76	-692.44	-719.83	32.89
		140	3.23	2.98	-9.24	1.53	-7.79	-3.95	-795.07	-864.81	-796.25	-863.63	-8.99
		137	2.63	2.91	-3.64	0.67	-1.40	-3.11	-607.35	-761.70	-608.89	-760.17	15.30
123	8	83	1.80	1.40	-3.66	0.12	-2.37	-2.20	-443.50	-497.69	-458.23	-482.97	24.11
		117	1.92	1.73	-2.00	1.72	-2.00	-0.12	-486.34	-530.85	-507.22	-509.97	22.22
		140	2.30	2.01	-6.22	1.03	-5.24	-2.66	-576.99	-610.50	-578.05	-609.43	-5.87
		137	1.89	1.97	-2.44	0.46	-0.93	-2.10	-448.80	-541.09	-450.14	-539.75	11.03
123	9	83	1.25	0.17	-0.52	-0.23	-0.12	-0.34	-251.73	-375.78	-375.71	-251.80	-3.12
		117	1.29	0.22	-0.12	-0.02	0.12	-0.16	-248.75	-391.67	-390.99	-249.44	-9.85
		140	1.37	0.24	-0.40	0.02	-0.17	-0.30	-277.50	-412.74	-412.06	-278.18	-9.60
		137	1.31	0.31	-0.33	-0.07	0.05	-0.32	-277.22	-390.45	-390.45	-277.22	-0.13
123	42	83	1.16	0.13	-0.34	-0.10	-0.11	-0.23	-237.26	-349.91	-349.90	-237.26	0.95
		117	1.21	0.14	-0.02	0.09	0.02	-0.07	-237.05	-365.74	-365.64	-237.15	-3.62
		140	1.27	0.21	-0.41	0.08	-0.28	-0.25	-264.84	-382.25	-382.11	-264.98	-4.15
		137	1.21	0.27	-0.21	0.01	0.05	-0.24	-261.66	-360.15	-360.05	-261.76	3.17
124	4	253	1.71	1.47	-1.86	-0.20	-0.19	1.67	-85.25	-479.56	-177.21	-387.61	166.74
		132	1.54	1.28	-1.86	-0.21	-0.36	1.57	3.12	-395.82	-81.49	-311.20	163.09
		141	1.62	1.55	-1.59	-0.11	0.07	1.57	12.29	-413.51	-85.49	-315.73	179.09
		248	1.84	1.36	-1.85	-0.28	-0.21	1.61	-65.30	-505.16	-181.74	-388.71	194.06
124	8	253	1.20	0.99	-1.24	-0.13	-0.12	1.11	-79.33	-344.60	-138.48	-285.45	110.42
		132	1.08	0.86	-1.24	-0.14	-0.24	1.05	-11.75	-285.82	-65.10	-232.47	108.52
		141	1.14	1.04	-1.06	-0.07	0.05	1.04	-6.19	-298.81	-67.73	-237.27	119.24
		248	1.29	0.91	-1.24	-0.19	-0.13	1.08	-66.91	-363.33	-141.79	-288.45	128.80
124	20	253	0.76	0.17	-0.25	-0.19	0.11	0.15	-167.07	-224.62	-167.19	-224.50	-2.62
		132	0.67	0.16	-0.24	-0.18	0.11	0.14	-94.84	-206.50	-94.88	-206.46	2.20
		141	0.72	0.16	-0.25	-0.20	0.12	0.13	-93.58	-219.70	-93.66	-219.63	3.13
		248	0.80	0.17	-0.28	-0.21	0.10	0.16	-168.41	-241.29	-168.42	-241.28	-0.87
124	52	253	0.72	0.11	-0.13	-0.09	0.07	0.08	-159.31	-213.60	-159.63	-213.28	-4.13
		132	0.64	0.10	-0.12	-0.09	0.06	0.08	-87.60	-196.66	-87.60	-196.66	0.28
		141	0.69	0.10	-0.12	-0.10	0.07	0.07	-86.86	-209.93	-86.87	-209.92	0.94
		248	0.77	0.11	-0.15	-0.11	0.07	0.09	-161.25	-230.26	-161.35	-230.16	-2.64
125	1	111	20.35	-1.08	-5.22	-1.85	-4.44	1.61	2.73	-0.11	-0.11	2.73	0.05
		134	14.90	0.63	-5.58	0.22	-5.16	1.55	0.16	-1.69	0.04	-1.56	-0.47
		99	14.27	-0.44	-3.48	-0.50	-3.41	0.44	1.90	-0.08	0.06	1.76	0.51
		79	31.06	3.23	-9.20	2.05	-8.03	-3.64	-0.04	-3.51	-0.04	-3.50	-0.17
125	5	111	15.28	-0.66	-3.85	-1.45	-3.06	1.37	2.09	-0.10	-0.10	2.08	0.04
		134	10.86	0.54	-3.58	0.23	-3.28	1.08	0.14	-1.29	0.05	-1.19	-0.35
		99	10.41	-0.30	-2.17	-0.36	-2.11	0.32	1.45	-0.05	0.06	1.34	0.39
		79	23.03	2.56	-6.39	1.59	-5.42	-2.78	-0.04	-2.69	-0.04	-2.68	-0.13
125	23	111	13.57	1.16	-3.39	-1.52	-0.71	2.24	1.99	-0.19	-0.19	1.98	0.08
		134	9.47	1.46	0.52	0.72	1.26	0.38	0.27	-1.25	0.20	-1.19	-0.31
		99	9.43	1.30	-0.29	-0.24	1.26	0.25	1.34	4.89e-03	0.12	1.22	0.38
		79	17.57	3.40	-2.29	1.60	-0.49	-2.65	-0.08	-2.60	-0.08	-2.60	-0.10
125	55	111	13.65	1.14	-3.42	-1.56	-0.72	2.24	2.00	-0.19	-0.19	2.00	0.08
		134	9.37	1.44	0.50	0.69	1.25	0.38	0.27	-1.23	0.20	-1.16	-0.32
		99	9.52	1.29	-0.25	-0.21	1.25	0.25	1.36	5.03e-03	0.12	1.24	0.38
		79	17.53	3.43	-2.30	1.63	-0.50	-2.66	-0.08	-2.59	-0.09	-2.59	-0.09
126	3	135	7.74	-0.01	-7.02	-0.26	-6.77	-1.31	-0.11	-0.17	-0.11	-0.17	-4.47e-03
		136	9.78	0.63	-3.16	-1.19	-1.34	1.90	1.48	-0.07	-0.05	1.46	0.19
		111	15.07	1.92	-4.17	1.39	-3.64	1.71	0.11	-1.70	0.10	-1.69	-0.07
		102	9.41	-0.83	-7.19	-0.88	-7.15	0.54	0.36	-0.15	-0.15	0.36	-0.05
126	7	135	5.48	0.05	-4.70	-0.12	-4.52	-0.90	-0.06	-0.16	-0.06	-0.16	7.63e-03
		136	7.29	0.32	-2.14	-0.89	-0.93	1.23	1.12	-0.06	-0.05	1.10	0.13
		111	11.09	1.46	-2.88	1.05	-2.48	1.26	0.05	-1.29	0.05	-1.29	-0.05
		102	6.57	-0.62	-4.82	-0.65	-4.79	0.35	0.30	-0.09	-0.08	0.29	-0.05

126	9	135	2.85	0.44	-0.15	0.35	-0.06	-0.22	0.11	-0.38	0.10	-0.36	0.08
		136	6.26	-0.11	-0.92	-0.81	-0.23	-0.28	0.94	-0.11	-0.11	0.94	0.04
		111	7.97	1.35	-0.80	0.90	-0.35	0.88	-0.13	-1.25	-0.13	-1.25	-0.03
		102	2.48	-0.16	-0.52	-0.50	-0.19	-0.09	0.44	0.09	0.12	0.42	-0.09
126	41	135	2.86	0.46	-0.15	0.37	-0.06	-0.21	0.11	-0.38	0.09	-0.36	0.08
		136	6.33	-0.11	-0.91	-0.79	-0.23	-0.28	0.95	-0.11	-0.11	0.95	0.04
		111	7.90	1.37	-0.80	0.92	-0.35	0.88	-0.13	-1.23	-0.13	-1.23	-0.03
		102	2.47	-0.17	-0.50	-0.47	-0.19	-0.08	0.44	0.09	0.11	0.42	-0.09
127	2	225	2.12	1.36	-3.20	-2.53	0.70	-1.61	-466.55	-616.50	-607.00	-476.05	36.53
		137	2.86	2.59	-4.40	-2.21	0.39	-3.25	-498.22	-861.12	-860.47	-498.88	-15.43
		146	3.29	2.58	-6.73	-5.76	1.60	-2.85	-655.56	-957.79	-952.42	-660.93	-39.95
		222	2.21	1.04	-1.42	-1.25	0.87	-0.62	-504.67	-645.12	-621.76	-528.04	52.30
127	6	225	1.53	0.92	-2.14	-1.69	0.47	-1.08	-341.80	-445.21	-438.76	-348.24	24.99
		137	2.05	1.75	-2.95	-1.47	0.27	-2.18	-365.20	-617.86	-617.51	-365.55	-9.42
		146	2.35	1.74	-4.52	-3.86	1.08	-1.92	-473.65	-683.14	-679.79	-477.00	-26.26
		222	1.60	0.70	-0.94	-0.82	0.59	-0.41	-369.24	-464.77	-448.80	-385.21	35.64
127	9	225	1.08	0.13	-0.34	-0.27	0.05	-0.17	-266.87	-302.54	-301.93	-267.48	4.63
		137	1.27	0.31	-0.45	-0.21	0.08	-0.35	-281.61	-375.05	-374.88	-281.78	4.02
		146	1.33	0.29	-0.63	-0.47	0.13	-0.34	-307.80	-384.49	-384.48	-307.81	0.53
		222	1.11	0.10	-0.26	-0.21	0.05	-0.12	-283.71	-307.26	-305.68	-285.29	5.89
127	41	225	0.99	0.09	-0.20	-0.15	0.05	-0.10	-248.18	-278.80	-278.06	-248.92	4.71
		137	1.19	0.25	-0.28	-0.10	0.07	-0.25	-263.62	-351.47	-351.15	-263.94	5.30
		146	1.24	0.23	-0.43	-0.33	0.13	-0.24	-289.69	-359.64	-359.60	-289.73	1.67
		222	1.03	0.08	-0.09	-0.07	0.05	-0.06	-264.38	-282.75	-280.64	-266.49	5.86
128	3	143	10.28	0.43	-3.39	-1.19	-1.77	-1.89	1.49	-0.09	-0.06	1.47	-0.19
		135	7.83	0.07	-7.09	-0.27	-6.75	1.52	-0.11	-0.17	-0.11	-0.17	1.67e-03
		102	9.37	-0.86	-7.17	-0.88	-7.16	-0.34	0.36	-0.15	-0.15	0.36	0.05
		112	15.77	1.85	-4.79	1.40	-4.33	-1.68	0.09	-1.71	0.08	-1.71	0.07
128	7	143	7.63	0.18	-2.29	-0.90	-1.21	-1.22	1.12	-0.07	-0.06	1.11	-0.13
		135	5.53	0.11	-4.74	-0.13	-4.51	1.04	-0.06	-0.16	-0.06	-0.16	-9.52e-03
		102	6.54	-0.63	-4.81	-0.65	-4.80	-0.22	0.30	-0.09	-0.08	0.29	0.05
		112	11.55	1.41	-3.29	1.06	-2.94	-1.24	0.04	-1.30	0.04	-1.30	0.05
128	22	143	6.23	-0.13	-0.90	-0.79	-0.24	0.27	0.94	-0.11	-0.11	0.94	-0.04
		135	2.84	0.44	-0.15	0.36	-0.07	0.20	0.11	-0.37	0.09	-0.36	-0.08
		102	2.46	-0.18	-0.43	-0.40	-0.20	0.08	0.44	0.09	0.11	0.41	0.09
		112	7.97	1.43	-0.80	0.99	-0.36	-0.89	-0.13	-1.24	-0.13	-1.24	0.03
128	54	143	6.30	-0.12	-0.89	-0.78	-0.23	0.27	0.95	-0.11	-0.11	0.95	-0.04
		135	2.83	0.45	-0.15	0.37	-0.06	0.21	0.11	-0.37	0.09	-0.36	-0.08
		102	2.45	-0.17	-0.45	-0.43	-0.20	0.08	0.44	0.09	0.11	0.41	0.08
		112	7.89	1.40	-0.80	0.96	-0.36	-0.88	-0.13	-1.23	-0.13	-1.23	0.03
129	1	139	3.39	5.01	-2.28	4.97	-2.24	0.54	-390.03	-999.88	-982.83	-407.08	100.55
		133	3.28	2.12	-11.46	-6.57	-2.77	6.52	-514.27	-958.78	-958.03	-515.01	18.21
		142	3.27	7.66	-4.10	-4.02	7.58	0.97	-650.18	-971.86	-970.63	-651.41	19.84
		18	4.65	3.12	-25.51	-13.24	-9.14	14.17	-807.64	-1295.71	-1282.74	-820.61	78.49
129	5	139	2.40	3.42	-1.53	3.39	-1.50	0.36	-293.28	-711.89	-701.11	-304.06	66.30
		133	2.33	1.43	-7.72	-4.41	-1.88	4.40	-375.56	-682.02	-681.62	-375.96	11.06
		142	2.32	5.20	-2.73	-2.67	5.15	0.65	-469.40	-691.10	-690.41	-470.10	12.38
		18	3.26	2.11	-17.23	-8.91	-6.21	9.57	-577.33	-912.39	-904.08	-585.64	52.11
129	20	139	1.39	0.64	-0.25	0.42	-0.03	0.38	-293.03	-414.17	-413.37	-293.84	9.87
		133	1.31	0.17	-0.90	-0.46	-0.27	0.53	-279.50	-388.41	-388.39	-279.51	1.21
		142	1.38	0.62	-0.69	-0.67	0.60	0.16	-305.89	-407.21	-406.48	-306.61	8.52
		18	1.57	0.19	-2.44	-1.32	-0.93	1.30	-337.80	-454.57	-451.28	-341.09	19.33
129	52	139	1.27	0.58	-0.11	0.52	-0.05	0.19	-268.59	-377.63	-377.60	-268.62	1.92
		133	1.20	0.15	-0.76	-0.35	-0.26	0.45	-261.34	-354.20	-354.06	-261.48	-3.60
		142	1.25	0.68	-0.30	-0.29	0.67	0.09	-287.00	-364.31	-364.30	-287.01	0.84
		18	1.41	0.20	-2.05	-0.95	-0.90	1.12	-313.53	-408.43	-407.66	-314.30	8.50

130	4	140	2.80	0.59	-9.72	0.27	-9.40	1.79	-623.94	-774.08	-647.73	-750.29	-54.83
		16	4.62	13.01	-0.58	4.02	8.42	-6.43	-1016.89	-1297.01	-1017.00	-1296.89	5.59
		148	3.11	6.36	0.94	1.09	6.21	-0.88	-722.00	-861.89	-723.98	-859.91	-16.52
		14	4.05	9.46	-11.15	9.18	-10.87	-2.39	-804.56	-1167.77	-847.26	-1125.07	-116.99
130	8	140	2.01	0.41	-6.54	0.19	-6.32	1.22	-459.82	-551.68	-478.23	-533.27	-36.77
		16	3.22	8.80	-0.37	2.72	5.71	-4.34	-726.51	-900.25	-726.57	-900.19	3.16
		148	2.23	4.34	0.65	0.75	4.24	-0.60	-528.71	-611.43	-530.35	-609.80	-11.52
		14	2.84	6.40	-7.51	6.21	-7.33	-1.60	-583.48	-818.87	-613.50	-788.85	-78.52
130	28	140	1.41	-0.12	-1.23	-0.17	-1.18	0.23	-326.27	-405.75	-403.52	-328.51	-13.15
		16	1.49	1.17	0.11	0.26	1.02	-0.38	-356.42	-423.51	-421.87	-358.05	-10.33
		148	1.47	1.01	0.11	0.12	1.00	0.07	-361.10	-412.56	-409.76	-363.90	-11.67
		14	1.49	0.39	-1.41	0.37	-1.39	0.21	-364.44	-420.72	-414.85	-370.31	-17.21
130	60	140	1.28	-1.57e-03	-0.83	-0.06	-0.78	0.20	-286.42	-375.46	-374.87	-287.01	-7.21
		16	1.36	1.06	0.09	0.27	0.88	-0.38	-310.39	-392.76	-392.13	-311.02	-7.18
		148	1.34	0.87	0.16	0.16	0.87	-0.02	-316.58	-383.77	-382.90	-317.46	-7.60
		14	1.36	0.52	-0.98	0.52	-0.98	0.09	-327.64	-390.84	-389.09	-329.39	-10.36
131	4	16	4.63	14.10	-1.14	4.49	8.46	7.35	-987.30	-1331.65	-1018.26	-1300.69	98.50
		139	2.96	0.25	-9.72	0.09	-9.56	-1.25	-534.31	-865.23	-649.41	-750.14	157.61
		18	4.32	10.07	-11.68	9.59	-11.20	3.19	-742.19	-1266.28	-861.17	-1147.30	219.55
		148	3.17	6.80	0.52	0.92	6.40	1.53	-651.02	-921.45	-716.00	-856.47	115.54
131	8	16	3.23	9.52	-0.75	3.03	5.74	4.95	-705.39	-924.74	-727.41	-902.73	65.91
		139	2.10	0.18	-6.54	0.07	-6.43	-0.86	-397.06	-613.91	-478.29	-532.69	104.96
		18	3.02	6.80	-7.86	6.48	-7.54	2.13	-540.01	-884.91	-621.74	-803.18	146.66
		148	2.26	4.63	0.37	0.64	4.37	1.03	-478.65	-653.89	-525.03	-607.51	77.31
131	35	16	1.50	1.17	0.02	0.19	1.01	0.40	-351.36	-430.20	-424.37	-357.19	20.63
		139	1.40	-0.22	-1.22	-0.25	-1.20	-0.16	-319.63	-405.15	-398.53	-326.25	22.84
		18	1.49	0.35	-1.40	0.34	-1.39	-0.13	-354.69	-423.82	-410.45	-368.07	27.31
		148	1.48	1.00	0.09	0.10	1.00	-0.04	-354.62	-421.26	-412.72	-363.16	22.28
131	67	16	1.36	1.05	0.05	0.24	0.87	0.39	-309.20	-394.77	-393.35	-310.62	10.93
		139	1.26	-0.05	-0.82	-0.09	-0.78	-0.17	-282.72	-369.69	-368.38	-284.03	10.60
		18	1.35	0.51	-0.98	0.51	-0.98	-0.05	-322.94	-386.36	-382.92	-326.37	14.35
		148	1.35	0.86	0.15	0.15	0.86	0.03	-315.10	-386.36	-384.33	-317.13	11.86
132	2	137	3.08	2.50	-10.63	-5.48	-2.66	-6.41	-525.40	-899.24	-898.07	-526.57	-20.92
		140	3.19	6.00	-2.13	5.96	-2.09	-0.54	-397.07	-937.34	-916.95	-417.46	-102.96
		14	4.45	3.61	-24.70	-12.19	-8.90	-14.06	-813.26	-1231.42	-1215.45	-829.22	-80.13
		146	3.07	7.71	-3.15	-3.05	7.62	-0.99	-659.79	-911.33	-909.32	-661.81	-22.41
132	6	137	2.20	1.68	-7.17	-3.69	-1.80	-4.32	-383.70	-643.85	-643.17	-384.38	-13.23
		140	2.27	4.08	-1.43	4.06	-1.40	-0.36	-298.52	-671.19	-658.24	-311.47	-68.24
		14	3.14	2.43	-16.69	-8.21	-6.05	-9.50	-581.63	-870.52	-860.26	-591.88	-53.45
		146	2.20	5.24	-2.09	-2.03	5.18	-0.66	-476.56	-652.19	-651.01	-477.74	-14.35
132	9	137	1.33	0.21	-0.82	-0.39	-0.22	-0.51	-287.36	-393.79	-393.79	-287.36	-0.07
		140	1.40	0.72	-0.13	0.50	0.09	-0.37	-299.44	-415.81	-415.18	-300.07	-8.55
		14	1.58	0.24	-2.34	-1.28	-0.82	-1.27	-344.66	-455.92	-453.16	-347.42	-17.31
		146	1.40	0.66	-0.65	-0.64	0.65	-0.12	-314.01	-412.06	-411.61	-314.46	-6.60
132	41	137	1.23	0.17	-0.72	-0.32	-0.23	-0.44	-267.95	-362.69	-362.61	-268.03	2.74
		140	1.29	0.62	-0.05	0.56	7.14e-03	-0.19	-273.47	-382.62	-382.56	-273.53	-2.57
		14	1.43	0.22	-2.00	-0.93	-0.84	-1.11	-318.54	-413.37	-412.61	-319.30	-8.45
		146	1.28	0.70	-0.29	-0.28	0.69	-0.07	-293.53	-372.52	-372.51	-293.54	-0.91
133	3	249	1.90	1.51	-1.52	-0.08	0.07	-1.52	-14.88	-500.39	-200.26	-315.01	-235.88
		89	1.66	1.62	-1.26	8.77e-03	0.35	-1.43	24.46	-417.04	-104.93	-287.65	-200.96
		149	1.65	1.12	-1.72	-0.21	-0.40	-1.42	12.71	-419.78	-86.35	-320.72	-181.74
		254	1.86	1.51	-1.95	-0.30	-0.14	-1.73	-60.49	-509.70	-178.90	-391.29	-197.91
133	7	249	1.33	1.01	-1.01	-0.06	0.06	-1.01	-34.74	-361.05	-154.20	-241.59	-157.19
		89	1.16	1.08	-0.84	4.36e-03	0.24	-0.95	0.34	-301.95	-80.79	-220.83	-133.95
		149	1.16	0.75	-1.15	-0.14	-0.26	-0.95	-6.07	-303.32	-68.44	-240.95	-121.03
		254	1.31	1.01	-1.30	-0.20	-0.09	-1.15	-63.54	-366.28	-139.71	-290.10	-131.37

133	22	249	0.86	0.16	-0.27	-0.24	0.13	-0.10	-169.24	-261.32	-169.69	-260.87	-6.46
		89	0.78	0.16	-0.24	-0.22	0.14	-0.09	-94.70	-238.40	-95.00	-238.10	-6.56
		149	0.73	0.16	-0.22	-0.20	0.13	-0.09	-94.80	-223.72	-94.93	-223.60	-4.05
		254	0.81	0.16	-0.24	-0.21	0.13	-0.11	-167.52	-243.28	-167.53	-243.27	-0.86
133	54	249	0.82	0.10	-0.14	-0.13	0.09	-0.05	-162.09	-248.55	-162.19	-248.45	-2.90
		89	0.75	0.09	-0.12	-0.11	0.08	-0.04	-87.83	-227.76	-87.90	-227.69	-3.07
		149	0.70	0.09	-0.11	-0.10	0.08	-0.05	-87.99	-213.25	-88.00	-213.23	-1.46
		254	0.77	0.10	-0.13	-0.11	0.09	-0.06	-160.16	-230.94	-160.20	-230.89	1.79
134	1	144	16.65	7.42	1.25	1.27	7.40	-0.35	0.46	-1.43	0.37	-1.35	0.39
		143	12.51	3.42	-4.04	-1.49	0.87	-3.54	1.15	-0.28	-0.25	1.12	-0.20
		112	11.84	3.81	0.87	1.25	3.43	-0.98	-0.40	-1.58	-0.41	-1.56	0.15
		113	17.10	8.83	-1.74	-1.71	8.80	0.50	1.54	0.33	0.44	1.42	-0.36
134	5	144	11.92	5.05	0.94	0.97	5.03	-0.33	0.33	-1.06	0.27	-1.00	0.28
		143	9.18	2.29	-2.90	-1.14	0.53	-2.46	0.90	-0.20	-0.18	0.88	-0.14
		112	8.74	2.48	0.78	1.00	2.26	-0.56	-0.28	-1.22	-0.29	-1.21	0.11
		113	12.26	5.99	-1.30	-1.28	5.97	0.41	1.15	0.23	0.31	1.07	-0.27
134	18	144	6.54	1.53	0.03	0.85	0.71	-0.75	0.17	-0.86	0.14	-0.83	0.19
		143	6.90	0.06	-1.58	-1.13	-0.39	-0.74	0.99	-0.12	-0.12	0.99	-0.04
		112	8.42	1.58	-0.42	1.34	-0.17	0.66	-0.11	-1.29	-0.12	-1.29	0.07
		113	6.24	0.92	-1.11	-0.93	0.74	0.58	0.94	0.09	0.14	0.89	-0.21
134	50	144	6.44	1.54	0.04	0.88	0.70	-0.75	0.17	-0.85	0.14	-0.81	0.19
		143	6.93	0.06	-1.56	-1.10	-0.40	-0.73	1.00	-0.12	-0.12	1.00	-0.04
		112	8.35	1.55	-0.43	1.30	-0.18	0.66	-0.11	-1.28	-0.12	-1.28	0.07
		113	6.35	0.92	-1.14	-0.96	0.74	0.58	0.96	0.09	0.14	0.91	-0.21
135	1	144	16.65	7.42	1.25	1.27	7.40	-0.35	1.43	-0.46	-0.37	1.35	-0.39
		145	12.50	3.42	-4.04	-1.49	0.87	-3.54	0.28	-1.15	0.25	-1.12	0.20
		118	11.85	3.81	0.87	1.24	3.43	-0.98	1.58	0.40	0.41	1.56	-0.15
		113	17.11	8.83	-1.74	-1.71	8.80	0.50	-0.33	-1.54	-0.44	-1.42	0.36
135	5	144	11.92	5.05	0.94	0.96	5.02	-0.33	1.07	-0.33	-0.27	1.00	-0.28
		145	9.17	2.29	-2.90	-1.14	0.53	-2.45	0.20	-0.90	0.18	-0.88	0.14
		118	8.74	2.48	0.78	1.00	2.26	-0.57	1.22	0.28	0.29	1.21	-0.11
		113	12.26	5.99	-1.30	-1.27	5.97	0.41	-0.23	-1.15	-0.31	-1.07	0.27
135	24	144	6.54	1.53	0.03	0.85	0.71	-0.75	0.86	-0.17	-0.14	0.83	-0.19
		145	6.90	0.06	-1.58	-1.13	-0.39	-0.73	0.12	-0.99	0.12	-0.99	0.04
		118	8.42	1.58	-0.41	1.34	-0.17	0.65	1.29	0.11	0.12	1.29	-0.07
		113	6.24	0.93	-1.11	-0.92	0.74	0.58	-0.09	-0.94	-0.14	-0.89	0.21
135	56	144	6.44	1.54	0.04	0.88	0.70	-0.75	0.85	-0.17	-0.14	0.81	-0.19
		145	6.93	0.06	-1.56	-1.10	-0.40	-0.73	0.12	-1.00	0.12	-1.00	0.04
		118	8.34	1.55	-0.42	1.30	-0.18	0.65	1.28	0.11	0.12	1.28	-0.07
		113	6.35	0.92	-1.14	-0.96	0.74	0.58	-0.09	-0.96	-0.14	-0.91	0.21
136	2	223	2.36	2.95	-3.40	-2.94	2.49	-1.64	-550.47	-680.36	-553.70	-677.13	-20.23
		12	4.51	3.87	-12.69	-10.46	1.64	5.65	-918.47	-1294.90	-1292.90	-920.48	-27.38
		154	3.06	1.59	0.59	0.71	1.48	-0.32	-542.12	-932.53	-924.07	-550.59	56.87
		226	2.45	1.80	-5.42	-3.64	0.02	3.12	-554.51	-706.94	-669.52	-591.92	-65.60
136	6	223	1.70	2.00	-2.28	-1.96	1.68	-1.11	-400.66	-489.92	-402.80	-487.78	-13.65
		12	3.17	2.63	-8.56	-7.05	1.12	3.83	-653.24	-911.46	-910.12	-654.57	-18.52
		154	2.19	1.09	0.43	0.52	1.00	-0.22	-397.07	-665.95	-660.57	-402.46	37.66
		226	1.76	1.21	-3.65	-2.44	9.22e-03	2.10	-402.88	-506.54	-481.05	-428.36	-44.64
136	14	223	1.20	0.22	-0.35	-0.34	0.21	0.09	-316.24	-320.43	-318.96	-317.70	2.00
		12	1.52	0.32	-1.37	-0.96	-0.09	0.72	-360.05	-430.75	-429.71	-361.09	8.49
		154	1.33	0.08	-0.14	0.07	-0.12	0.06	-315.87	-385.61	-385.23	-316.25	5.14
		226	1.14	0.17	-0.44	-0.32	0.05	0.25	-291.95	-312.51	-309.73	-294.73	-7.03
136	46	223	1.09	0.19	-0.17	-0.17	0.18	-0.02	-284.58	-294.46	-284.59	-294.45	0.33
		12	1.39	0.36	-1.06	-0.76	0.06	0.59	-332.94	-394.54	-394.39	-333.09	3.09
		154	1.24	0.20	0.01	0.20	0.01	-0.01	-289.98	-358.74	-358.70	-290.02	1.52
		226	1.05	0.13	-0.33	-0.21	0.01	0.21	-269.89	-287.49	-284.15	-273.23	-6.91

137	4	145	10.26	0.44	-3.39	-1.19	-1.77	-1.89	0.08	-1.49	0.06	-1.46	0.19
		151	7.81	0.07	-7.09	-0.27	-6.75	1.52	0.17	0.11	0.11	0.17	-1.73e-03
		119	9.35	-0.86	-7.17	-0.88	-7.16	-0.34	0.15	-0.36	0.15	-0.35	-0.05
		118	15.74	1.85	-4.79	1.40	-4.33	-1.67	1.71	-0.09	-0.08	1.70	-0.07
137	8	145	7.61	0.18	-2.29	-0.90	-1.21	-1.23	0.07	-1.12	0.06	-1.10	0.13
		151	5.51	0.10	-4.74	-0.13	-4.51	1.04	0.16	0.06	0.06	0.16	9.47e-03
		119	6.52	-0.63	-4.81	-0.64	-4.80	-0.21	0.09	-0.30	0.08	-0.29	-0.05
		118	11.53	1.41	-3.29	1.06	-2.94	-1.23	1.30	-0.04	-0.04	1.30	-0.05
137	20	145	6.21	-0.13	-0.90	-0.79	-0.24	0.27	0.11	-0.94	0.11	-0.93	0.04
		151	2.82	0.44	-0.15	0.36	-0.07	0.20	0.37	-0.11	-0.09	0.35	0.08
		119	2.45	-0.18	-0.43	-0.40	-0.20	0.08	-0.09	-0.43	-0.11	-0.41	-0.09
		118	7.95	1.42	-0.80	0.98	-0.36	-0.88	1.23	0.13	0.13	1.23	-0.03
137	52	145	6.28	-0.12	-0.89	-0.78	-0.23	0.27	0.11	-0.95	0.11	-0.95	0.04
		151	2.82	0.45	-0.15	0.37	-0.07	0.21	0.37	-0.11	-0.09	0.35	0.08
		119	2.43	-0.17	-0.45	-0.43	-0.20	0.08	-0.09	-0.43	-0.11	-0.41	-0.08
		118	7.86	1.40	-0.80	0.96	-0.36	-0.88	1.22	0.13	0.13	1.22	-0.03
138	1	127	3.46	5.95	0.40	5.71	0.64	-1.14	-616.09	-1024.82	-1014.16	-626.75	-65.15
		20	5.04	13.49	-0.89	8.05	4.55	-6.98	-936.40	-1484.79	-1479.15	-942.04	-55.32
		150	3.25	-0.47	-10.56	-10.31	-0.71	1.55	-488.51	-938.73	-918.25	-508.98	-93.80
		5	4.59	10.27	-12.01	-11.59	9.85	-3.03	-697.76	-1332.22	-1289.04	-740.95	-159.79
138	5	127	2.47	4.06	0.29	3.90	0.45	-0.76	-449.57	-729.75	-722.62	-456.70	-44.11
		20	3.52	9.18	-0.58	5.49	3.10	-4.73	-664.79	-1037.73	-1033.94	-668.58	-37.41
		150	2.31	-0.32	-7.11	-6.93	-0.49	1.06	-360.57	-668.10	-654.89	-373.78	-62.36
		5	3.22	6.99	-8.07	-7.79	6.70	-2.06	-503.30	-936.38	-908.22	-531.46	-106.79
138	24	127	1.52	0.97	0.01	0.94	0.04	0.16	-337.24	-444.11	-439.91	-341.44	-20.76
		20	1.57	1.55	0.06	1.19	0.43	-0.64	-355.78	-454.45	-450.85	-359.37	-18.49
		150	1.41	-0.31	-1.36	-1.31	-0.36	0.23	-308.76	-408.51	-405.07	-312.20	-18.21
		5	1.54	0.69	-1.32	-1.31	0.68	-0.14	-325.56	-454.18	-450.03	-329.71	-22.73
138	56	127	1.37	0.84	0.08	0.83	0.09	0.08	-313.59	-394.86	-392.84	-315.61	-12.65
		20	1.42	1.46	0.07	1.07	0.45	-0.62	-329.19	-404.87	-403.23	-330.83	-11.01
		150	1.25	-0.15	-0.93	-0.86	-0.22	0.22	-283.58	-362.15	-361.30	-284.43	-8.12
		5	1.39	0.88	-0.89	-0.85	0.85	-0.25	-303.26	-408.20	-406.81	-304.65	-12.00
139	2	130	3.35	4.46	-3.76	-0.86	1.57	3.93	-640.79	-1012.48	-1011.01	-642.26	23.33
		124	1.69	4.65	-0.25	1.41	2.98	-2.32	-383.40	-478.59	-476.71	-385.29	-13.27
		156	1.90	2.44	-6.05	0.21	-3.81	3.74	-195.76	-534.93	-376.88	-353.81	169.19
		10	3.98	12.63	1.31	4.91	9.03	-5.27	-700.47	-1162.34	-1131.18	-731.62	115.84
139	6	130	2.39	3.05	-2.52	-0.54	1.08	2.67	-466.52	-723.00	-722.02	-467.50	15.87
		124	1.30	3.19	-0.14	1.01	2.04	-1.59	-295.02	-367.40	-366.26	-296.17	-9.03
		156	1.39	1.70	-4.05	0.18	-2.53	2.54	-172.11	-399.78	-299.00	-272.90	113.08
		10	2.82	8.58	0.89	3.35	6.13	-3.58	-505.50	-822.85	-802.76	-525.60	77.28
139	16	130	1.39	0.43	-0.11	0.22	0.10	0.26	-335.97	-398.01	-396.07	-337.90	10.78
		124	1.36	0.76	0.10	0.46	0.40	-0.33	-312.09	-394.28	-394.25	-312.12	1.42
		156	1.37	0.62	-0.12	0.41	0.09	0.33	-295.65	-405.20	-403.04	-297.81	15.22
		10	1.45	1.22	0.11	0.66	0.67	-0.56	-325.50	-418.95	-414.86	-329.60	19.13
139	48	130	1.32	0.53	-0.11	0.24	0.18	0.32	-315.06	-378.13	-377.47	-315.73	6.42
		124	1.31	0.75	0.13	0.47	0.41	-0.31	-303.18	-378.30	-378.30	-303.18	-0.03
		156	1.29	0.57	-0.14	0.35	0.08	0.33	-286.65	-380.57	-379.80	-287.42	8.46
		10	1.35	1.21	0.14	0.61	0.74	-0.53	-304.90	-390.03	-388.97	-305.96	9.46
140	1	124	1.86	4.29	-0.97	0.46	2.85	2.34	-385.71	-552.10	-551.02	-386.79	13.40
		127	3.57	4.09	-4.45	-1.80	1.44	-3.96	-639.29	-1078.53	-1077.22	-640.60	-24.01
		5	4.14	12.34	0.57	3.87	9.03	5.29	-696.76	-1223.72	-1197.88	-722.61	-113.80
		156	2.01	1.68	-6.47	-0.79	-4.00	-3.75	-226.10	-573.62	-449.42	-350.30	-166.55
140	5	124	1.41	2.95	-0.62	0.37	1.96	1.60	-296.47	-416.49	-415.80	-297.17	9.11
		127	2.53	2.81	-2.98	-1.16	0.99	-2.69	-465.03	-766.01	-765.13	-465.92	-16.31
		5	2.92	8.38	0.40	2.65	6.13	3.59	-502.44	-862.85	-846.18	-519.11	-75.70
		156	1.47	1.19	-4.33	-0.49	-2.65	-2.54	-191.42	-426.50	-347.36	-270.56	-111.09

140	22	124	1.37	0.70	0.07	0.37	0.39	0.31	-308.88	-399.11	-398.87	-309.12	-4.63
		127	1.38	0.40	-0.16	0.13	0.10	-0.28	-328.42	-396.13	-393.03	-331.52	-14.15
		5	1.43	1.16	0.07	0.57	0.67	0.54	-318.67	-416.89	-412.21	-323.35	-20.94
		156	1.38	0.56	-0.16	0.32	0.08	-0.34	-292.39	-410.57	-408.12	-294.84	-16.86
140	54	124	1.32	0.72	0.12	0.42	0.41	0.30	-301.70	-380.56	-380.53	-301.73	-1.53
		127	1.30	0.51	-0.13	0.20	0.18	-0.32	-309.74	-373.04	-372.01	-310.77	-8.03
		5	1.33	1.18	0.12	0.57	0.73	0.53	-300.04	-384.72	-383.65	-301.10	-9.45
		156	1.30	0.54	-0.16	0.30	0.08	-0.33	-285.25	-382.97	-382.25	-285.97	-8.38
141	2	12	4.85	13.91	-0.47	8.85	4.59	6.87	-935.81	-1416.12	-1409.82	-942.11	54.64
		130	3.28	6.84	0.56	6.61	0.79	1.17	-615.73	-960.33	-947.99	-628.07	64.02
		10	4.36	10.21	-10.96	-10.55	9.80	2.90	-699.68	-1271.15	-1221.08	-749.75	161.58
		154	3.05	-0.29	-9.48	-9.20	-0.56	-1.57	-496.81	-884.29	-858.70	-522.40	96.24
141	6	12	3.41	9.46	-0.30	6.03	3.13	4.66	-665.09	-993.33	-989.12	-669.30	36.97
		130	2.35	4.65	0.40	4.50	0.54	0.78	-449.87	-687.73	-679.54	-458.05	43.36
		10	3.07	6.95	-7.37	-7.09	6.67	1.98	-505.17	-896.59	-863.95	-537.81	108.21
		154	2.18	-0.20	-6.39	-6.19	-0.39	-1.07	-366.90	-633.17	-616.65	-383.41	64.23
141	15	12	1.60	1.59	0.10	1.26	0.44	0.62	-364.84	-458.62	-456.18	-367.27	14.92
		130	1.54	1.04	0.02	1.01	0.05	-0.17	-344.90	-445.53	-442.47	-347.96	17.28
		10	1.55	0.72	-1.18	-1.17	0.70	0.14	-332.40	-455.70	-452.05	-336.04	20.90
		154	1.43	-0.27	-1.24	-1.18	-0.34	-0.25	-317.16	-413.09	-410.20	-320.06	16.41
141	47	12	1.45	1.48	0.09	1.11	0.46	0.62	-336.11	-412.40	-411.24	-337.27	9.31
		130	1.39	0.87	0.09	0.87	0.10	-0.09	-319.10	-399.59	-398.07	-320.62	10.97
		10	1.40	0.90	-0.82	-0.79	0.86	0.25	-308.16	-413.22	-411.83	-309.55	12.01
		154	1.28	-0.13	-0.87	-0.79	-0.21	-0.23	-290.03	-370.29	-369.44	-290.88	8.21
142	3	254	1.84	1.36	-1.85	-0.28	-0.21	-1.61	-65.29	-505.16	-181.74	-388.72	-194.07
		149	1.62	1.55	-1.59	-0.11	0.07	-1.57	12.29	-413.52	-85.49	-315.74	-179.09
		157	1.54	1.28	-1.86	-0.21	-0.36	-1.57	3.13	-395.82	-81.49	-311.20	-163.09
		251	1.71	1.47	-1.86	-0.20	-0.19	-1.67	-85.25	-479.57	-177.21	-387.61	-166.75
142	7	254	1.29	0.91	-1.24	-0.19	-0.13	-1.08	-66.91	-363.33	-141.79	-288.45	-128.80
		149	1.14	1.04	-1.06	-0.07	0.05	-1.04	-6.19	-298.81	-67.73	-237.27	-119.25
		157	1.09	0.86	-1.24	-0.14	-0.24	-1.05	-11.74	-285.83	-65.10	-232.47	-108.52
		251	1.20	0.99	-1.24	-0.13	-0.12	-1.11	-79.32	-344.60	-138.48	-285.45	-110.43
142	22	254	0.80	0.17	-0.28	-0.21	0.10	-0.16	-168.41	-241.29	-168.42	-241.28	0.86
		149	0.72	0.16	-0.25	-0.20	0.12	-0.13	-93.58	-219.70	-93.66	-219.63	-3.13
		157	0.67	0.16	-0.24	-0.18	0.11	-0.14	-94.84	-206.51	-94.88	-206.46	-2.20
		251	0.76	0.17	-0.25	-0.19	0.11	-0.15	-167.07	-224.62	-167.19	-224.50	2.62
142	54	254	0.77	0.11	-0.15	-0.11	0.07	-0.09	-161.25	-230.26	-161.35	-230.16	2.63
		149	0.69	0.10	-0.12	-0.10	0.07	-0.07	-86.86	-209.93	-86.87	-209.92	-0.94
		157	0.64	0.10	-0.12	-0.09	0.06	-0.08	-87.60	-196.66	-87.60	-196.66	-0.28
		251	0.72	0.11	-0.13	-0.09	0.07	-0.08	-159.31	-213.60	-159.63	-213.28	4.12
143	4	151	7.72	-0.01	-7.02	-0.27	-6.77	-1.31	0.17	0.11	0.11	0.17	4.53e-03
		152	9.75	0.64	-3.16	-1.18	-1.34	1.90	0.07	-1.48	0.05	-1.46	-0.19
		120	15.04	1.91	-4.17	1.39	-3.64	1.71	1.69	-0.11	-0.10	1.69	0.07
		119	9.39	-0.83	-7.19	-0.88	-7.15	0.54	0.15	-0.36	0.15	-0.35	0.05
143	8	151	5.46	0.05	-4.70	-0.13	-4.52	-0.90	0.16	0.06	0.06	0.16	-7.58e-03
		152	7.27	0.32	-2.14	-0.89	-0.93	1.23	0.06	-1.11	0.04	-1.10	-0.13
		120	11.07	1.45	-2.88	1.05	-2.48	1.26	1.29	-0.05	-0.05	1.29	0.05
		119	6.56	-0.62	-4.82	-0.64	-4.79	0.35	0.09	-0.30	0.08	-0.29	0.05
143	15	151	2.84	0.44	-0.15	0.35	-0.06	-0.22	0.38	-0.11	-0.10	0.36	-0.08
		152	6.24	-0.11	-0.92	-0.81	-0.22	-0.28	0.11	-0.94	0.11	-0.94	-0.04
		120	7.94	1.35	-0.80	0.90	-0.35	0.87	1.24	0.13	0.13	1.24	0.03
		119	2.47	-0.16	-0.52	-0.50	-0.19	-0.09	-0.09	-0.44	-0.11	-0.42	0.09
143	47	151	2.85	0.45	-0.15	0.37	-0.06	-0.21	0.37	-0.11	-0.09	0.36	-0.08
		152	6.31	-0.11	-0.90	-0.79	-0.23	-0.28	0.11	-0.95	0.11	-0.95	-0.04
		120	7.88	1.37	-0.80	0.92	-0.35	0.88	1.23	0.13	0.13	1.23	0.03
		119	2.45	-0.17	-0.50	-0.47	-0.19	-0.08	-0.09	-0.44	-0.11	-0.42	0.08

144	2	152	12.37	3.34	-3.95	-1.49	0.88	3.45	0.28	-1.14	0.25	-1.11	-0.20
		153	16.42	7.25	1.24	1.26	7.22	0.35	1.42	-0.45	-0.37	1.34	0.39
		134	16.79	8.55	-1.73	-1.71	8.52	-0.51	-0.32	-1.53	-0.44	-1.41	-0.36
		120	11.75	3.75	0.92	1.24	3.43	0.90	1.57	0.39	0.41	1.55	0.15
144	6	152	9.08	2.24	-2.84	-1.13	0.53	2.40	0.20	-0.89	0.18	-0.87	-0.14
		153	11.76	4.94	0.93	0.96	4.91	0.33	1.06	-0.32	-0.26	1.00	0.28
		134	12.05	5.80	-1.29	-1.27	5.78	-0.42	-0.22	-1.15	-0.31	-1.06	-0.27
		120	8.68	2.44	0.81	0.99	2.26	0.51	1.21	0.28	0.29	1.20	0.11
144	15	152	6.83	0.02	-1.58	-1.14	-0.42	0.72	0.12	-0.99	0.12	-0.98	-0.04
		153	6.53	1.50	0.02	0.84	0.68	0.73	0.87	-0.17	-0.13	0.83	0.19
		134	6.23	0.89	-1.24	-1.06	0.71	-0.59	-0.08	-0.94	-0.14	-0.88	-0.21
		120	8.37	1.46	-0.47	1.20	-0.20	-0.67	1.29	0.12	0.12	1.28	0.07
144	47	152	6.88	0.04	-1.56	-1.10	-0.41	0.72	0.12	-1.00	0.12	-1.00	-0.04
		153	6.43	1.52	0.03	0.87	0.68	0.74	0.85	-0.17	-0.13	0.81	0.19
		134	6.34	0.90	-1.21	-1.03	0.72	-0.59	-0.09	-0.96	-0.14	-0.90	-0.21
		120	8.31	1.49	-0.45	1.23	-0.19	-0.66	1.28	0.11	0.12	1.27	0.07
145	2	226	2.21	1.04	-1.42	-1.25	0.87	0.62	-504.67	-645.12	-621.76	-528.04	-52.30
		154	3.29	2.58	-6.73	-5.76	1.60	2.85	-655.56	-957.79	-952.42	-660.93	39.94
		88	2.86	2.59	-4.40	-2.21	0.39	3.25	-498.23	-861.13	-860.47	-498.88	15.43
		188	2.12	1.36	-3.20	-2.53	0.70	1.61	-466.55	-616.50	-607.00	-476.05	-36.53
145	6	226	1.60	0.70	-0.94	-0.82	0.59	0.41	-369.24	-464.78	-448.81	-385.21	-35.65
		154	2.35	1.74	-4.52	-3.86	1.08	1.92	-473.65	-683.14	-679.79	-477.00	26.26
		88	2.05	1.75	-2.95	-1.47	0.27	2.18	-365.20	-617.86	-617.51	-365.56	9.42
		188	1.53	0.92	-2.14	-1.69	0.47	1.08	-341.80	-445.21	-438.77	-348.24	-24.99
145	15	226	1.11	0.10	-0.26	-0.21	0.05	0.12	-283.71	-307.26	-305.68	-285.29	-5.89
		154	1.33	0.29	-0.63	-0.47	0.13	0.34	-307.80	-384.49	-384.49	-307.81	-0.53
		88	1.27	0.31	-0.45	-0.21	0.08	0.35	-281.61	-375.05	-374.88	-281.78	-4.02
		188	1.08	0.13	-0.34	-0.27	0.05	0.17	-266.87	-302.54	-301.93	-267.48	-4.63
145	47	226	1.03	0.08	-0.09	-0.07	0.05	0.06	-264.38	-282.75	-280.64	-266.49	-5.86
		154	1.24	0.23	-0.43	-0.33	0.13	0.24	-289.69	-359.64	-359.60	-289.73	-1.68
		88	1.19	0.25	-0.28	-0.10	0.07	0.25	-263.62	-351.48	-351.15	-263.94	-5.30
		188	0.99	0.09	-0.20	-0.15	0.05	0.10	-248.18	-278.80	-278.06	-248.92	-4.72
146	2	136	12.38	3.34	-3.96	-1.49	0.88	3.46	1.14	-0.28	-0.25	1.11	0.20
		153	16.42	7.25	1.24	1.26	7.23	0.35	0.45	-1.42	0.37	-1.34	-0.38
		134	16.78	8.55	-1.73	-1.71	8.52	-0.51	1.53	0.32	0.44	1.41	0.36
		111	11.75	3.75	0.92	1.24	3.43	0.90	-0.39	-1.57	-0.41	-1.55	-0.15
146	6	136	9.09	2.24	-2.85	-1.14	0.53	2.40	0.89	-0.20	-0.18	0.87	0.14
		153	11.76	4.94	0.93	0.96	4.91	0.33	0.32	-1.06	0.26	-1.00	-0.28
		134	12.05	5.80	-1.30	-1.27	5.78	-0.42	1.15	0.22	0.31	1.06	0.27
		111	8.68	2.44	0.82	1.00	2.26	0.51	-0.28	-1.21	-0.29	-1.20	-0.11
146	9	136	6.84	0.03	-1.59	-1.14	-0.42	0.72	0.99	-0.12	-0.12	0.98	0.04
		153	6.52	1.50	0.02	0.84	0.68	0.73	0.17	-0.87	0.13	-0.83	-0.19
		134	6.23	0.89	-1.24	-1.06	0.71	-0.59	0.94	0.08	0.14	0.88	0.21
		111	8.37	1.47	-0.47	1.20	-0.20	-0.67	-0.12	-1.29	-0.12	-1.29	-0.07
146	41	136	6.88	0.05	-1.56	-1.11	-0.41	0.73	1.00	-0.12	-0.12	1.00	0.04
		153	6.43	1.52	0.03	0.87	0.68	0.74	0.17	-0.85	0.13	-0.81	-0.19
		134	6.34	0.90	-1.21	-1.03	0.72	-0.59	0.96	0.09	0.14	0.90	0.21
		111	8.31	1.50	-0.45	1.23	-0.19	-0.67	-0.12	-1.28	-0.12	-1.27	-0.07
147	1	5	4.65	3.12	-25.51	-13.24	-9.14	-14.17	-807.65	-1295.72	-1282.75	-820.62	-78.50
		150	3.27	7.66	-4.10	-4.02	7.58	-0.97	-650.19	-971.87	-970.64	-651.42	-19.85
		158	3.28	2.12	-11.46	-6.57	-2.77	-6.52	-514.27	-958.78	-958.03	-515.02	-18.22
		91	3.39	5.01	-2.28	4.97	-2.24	-0.54	-390.03	-999.89	-982.83	-407.08	-100.55
147	5	5	3.26	2.11	-17.23	-8.91	-6.21	-9.57	-577.33	-912.40	-904.09	-585.64	-52.12
		150	2.32	5.20	-2.73	-2.67	5.15	-0.65	-469.41	-691.10	-690.41	-470.10	-12.39
		158	2.33	1.43	-7.72	-4.41	-1.88	-4.40	-375.56	-682.02	-681.62	-375.96	-11.07
		91	2.40	3.42	-1.53	3.39	-1.50	-0.36	-293.28	-711.89	-701.11	-304.06	-66.30

147	22	5	1.57	0.19	-2.44	-1.32	-0.93	-1.30	-337.80	-454.58	-451.28	-341.10	-19.33
		150	1.38	0.62	-0.69	-0.67	0.60	-0.16	-305.89	-407.21	-406.49	-306.61	-8.52
		158	1.31	0.17	-0.90	-0.46	-0.27	-0.53	-279.50	-388.41	-388.39	-279.51	-1.22
		91	1.39	0.64	-0.25	0.42	-0.03	-0.38	-293.03	-414.18	-413.37	-293.84	-9.87
147	54	5	1.41	0.20	-2.05	-0.95	-0.90	-1.12	-313.54	-408.43	-407.66	-314.30	-8.51
		150	1.25	0.68	-0.30	-0.29	0.67	-0.09	-287.00	-364.31	-364.30	-287.01	-0.84
		158	1.20	0.15	-0.76	-0.35	-0.26	-0.45	-261.34	-354.20	-354.06	-261.48	3.59
		91	1.27	0.58	-0.11	0.52	-0.05	-0.19	-268.59	-377.63	-377.60	-268.62	-1.92
148	3	10	4.05	9.46	-11.15	9.18	-10.87	2.39	-804.56	-1167.77	-847.26	-1125.07	116.98
		156	3.11	6.36	0.94	1.09	6.21	0.88	-722.00	-861.89	-723.98	-859.91	16.52
		8	4.62	13.01	-0.58	4.02	8.42	6.43	-1016.89	-1297.01	-1017.01	-1296.90	-5.59
		92	2.80	0.59	-9.72	0.27	-9.40	-1.79	-623.95	-774.08	-647.73	-750.29	54.82
148	7	10	2.84	6.40	-7.51	6.21	-7.33	1.60	-583.48	-818.87	-613.50	-788.85	78.51
		156	2.23	4.34	0.65	0.75	4.24	0.60	-528.71	-611.44	-530.35	-609.80	11.52
		8	3.22	8.80	-0.37	2.72	5.71	4.34	-726.52	-900.25	-726.57	-900.19	-3.16
		92	2.01	0.41	-6.54	0.19	-6.32	-1.22	-459.82	-551.68	-478.23	-533.27	36.77
148	32	10	1.49	0.40	-1.37	0.38	-1.35	-0.18	-364.57	-420.82	-414.93	-370.46	17.22
		156	1.47	1.01	0.12	0.12	1.00	-0.07	-361.27	-412.64	-409.84	-364.07	11.66
		8	1.49	1.16	0.09	0.24	1.01	0.36	-356.59	-423.61	-421.98	-358.22	10.32
		92	1.41	-0.15	-1.20	-0.20	-1.15	-0.21	-326.41	-405.85	-403.61	-328.66	13.15
148	62	10	1.36	0.52	-0.98	0.52	-0.98	-0.09	-327.65	-390.84	-389.09	-329.39	10.36
		156	1.34	0.87	0.16	0.16	0.87	0.02	-316.59	-383.77	-382.90	-317.46	7.60
		8	1.36	1.06	0.09	0.27	0.88	0.38	-310.40	-392.76	-392.13	-311.03	7.18
		92	1.28	-1.57e-03	-0.83	-0.06	-0.78	-0.20	-286.42	-375.46	-374.88	-287.01	7.21
149	3	168	18.65	-0.28	-16.58	-0.50	-16.36	-1.91	-0.39	-1.00	-0.83	-0.56	-0.27
		167	37.53	3.89	-20.57	-2.06	-14.62	10.49	3.12	0.56	0.60	3.08	-0.33
		69	35.03	2.20	-15.75	1.81	-15.37	2.60	1.02	-2.51	1.01	-2.50	-0.21
		70	32.97	-0.35	-24.74	-0.55	-24.54	2.17	0.52	-1.53	-1.53	0.52	0.05
149	7	168	13.43	-0.15	-11.58	-0.35	-11.38	-1.49	-0.29	-0.72	-0.57	-0.44	-0.20
		167	27.20	2.68	-14.34	-1.59	-10.08	7.38	2.41	0.40	0.43	2.38	-0.23
		69	25.37	1.56	-10.75	1.39	-10.58	1.42	0.69	-1.93	0.69	-1.93	-0.13
		70	22.87	-0.24	-16.96	-0.39	-16.81	1.56	0.42	-1.03	-1.03	0.42	0.05
149	31	168	8.23	-0.02	-4.63	-0.18	-4.47	-0.84	-0.08	-0.64	-0.12	-0.60	-0.15
		167	18.05	1.23	-6.20	-1.62	-3.34	3.61	2.42	0.16	0.16	2.42	-0.05
		69	16.61	1.86	-3.89	1.39	-3.42	-1.58	0.13	-1.98	0.13	-1.98	0.06
		70	7.52	0.39	-4.81	-0.16	-4.26	1.60	0.52	-0.14	-0.10	0.49	0.14
149	63	168	7.97	0.21	-4.38	-0.15	-4.02	-1.24	-0.08	-0.62	-0.12	-0.58	-0.15
		167	17.48	1.04	-5.52	-1.60	-2.89	3.22	2.44	0.16	0.16	2.44	-0.05
		69	16.18	2.15	-3.73	1.38	-2.97	-1.98	0.13	-1.96	0.13	-1.96	0.06
		70	7.14	0.19	-4.16	-0.16	-3.80	1.20	0.54	-0.13	-0.10	0.51	0.14
150	2	169	30.88	-1.59	-15.48	-1.79	-15.27	1.68	2.97	0.63	0.63	2.96	-0.08
		168	18.71	4.46	-10.58	-0.54	-5.58	7.08	0.16	-0.81	-0.08	-0.57	0.42
		70	9.24	1.70	-6.34	-0.72	-3.93	3.68	0.51	0.02	0.02	0.51	-9.60e-03
		71	36.93	5.66	-19.26	2.09	-15.70	8.73	1.05	-2.31	1.04	-2.30	-0.17
150	6	169	22.64	-1.35	-10.57	-1.41	-10.51	0.74	2.30	0.44	0.44	2.30	-0.05
		168	13.39	3.00	-7.58	-0.38	-4.20	4.93	0.10	-0.62	-0.07	-0.45	0.30
		70	6.82	0.89	-4.46	-0.50	-3.07	2.35	0.41	-9.09e-04	6.10e-04	0.41	-0.02
		71	26.70	4.10	-13.33	1.58	-10.80	6.13	0.72	-1.80	0.71	-1.79	-0.12
150	15	169	16.85	-0.35	-4.50	-1.64	-3.22	-1.92	2.39	0.16	0.16	2.39	0.04
		168	9.42	1.01	-5.55	-0.19	-4.35	2.54	-0.08	-0.61	-0.12	-0.57	0.14
		70	7.56	-0.11	-4.14	-0.12	-4.14	0.09	0.53	-0.13	-0.10	0.50	-0.13
		71	17.28	3.10	-4.97	1.43	-3.30	3.27	0.14	-2.00	0.14	-2.00	-0.05
150	47	169	16.87	0.26	-4.68	-1.60	-2.83	-2.39	2.42	0.16	0.16	2.42	0.05
		168	8.57	0.74	-4.86	-0.16	-3.96	2.06	-0.08	-0.60	-0.12	-0.56	0.14
		70	7.12	-0.10	-3.79	-0.14	-3.75	-0.38	0.55	-0.13	-0.10	0.52	-0.14
		71	16.48	2.77	-4.28	1.40	-2.90	2.79	0.14	-1.97	0.14	-1.97	-0.06

151	2	170	23.45	-0.12	-16.38	-0.12	-16.37	0.22	-0.46	-1.79	-0.84	-1.41	-0.60
		169	37.31	3.61	-20.89	-2.15	-15.13	10.39	3.16	0.52	0.53	3.15	-0.16
		71	35.49	2.60	-15.86	2.04	-15.30	3.15	1.18	-2.53	1.14	-2.48	-0.40
		72	37.93	-1.11	-25.13	-1.13	-25.11	0.70	1.27	-1.72	-1.69	1.25	0.27
151	7	170	15.69	1.75	-6.06	-0.07	-4.24	-3.31	0.16	-1.36	-0.08	-1.12	-0.55
		169	23.65	-1.42	-10.87	-1.49	-10.81	-0.79	2.39	0.36	0.38	2.38	0.18
		71	27.33	4.01	-12.90	1.78	-10.68	-5.72	0.79	-1.80	0.79	-1.80	-0.03
		72	12.36	1.48	-6.00	-0.97	-3.55	-3.51	1.01	-0.15	-0.11	0.98	0.20
151	12	170	12.20	0.19	-4.54	0.09	-4.44	0.67	-9.43e-03	-1.41	-0.13	-1.29	-0.39
		169	18.18	1.13	-6.29	-1.72	-3.45	3.61	2.49	0.08	0.09	2.49	0.08
		71	17.03	1.89	-3.53	1.64	-3.28	-1.12	0.20	-1.99	0.19	-1.99	-0.09
		72	11.73	-0.53	-4.77	-0.56	-4.74	0.34	1.12	-0.31	-0.23	1.04	0.33
151	44	170	11.74	0.15	-3.99	0.13	-3.97	0.26	-8.02e-03	-1.38	-0.13	-1.25	-0.39
		169	17.67	0.94	-5.60	-1.68	-2.98	3.20	2.51	0.08	0.09	2.51	0.08
		71	16.56	2.08	-3.29	1.60	-2.81	-1.53	0.20	-1.97	0.19	-1.97	-0.09
		72	11.65	-0.59	-4.27	-0.59	-4.27	-0.07	1.15	-0.30	-0.23	1.07	0.33
152	2	170	23.46	-0.12	-16.38	-0.12	-16.38	0.22	1.79	0.46	0.84	1.41	0.60
		171	37.29	3.61	-20.88	-2.14	-15.13	10.38	-0.52	-3.15	-0.53	-3.14	0.16
		73	35.48	2.60	-15.86	2.04	-15.31	3.16	2.53	-1.18	-1.14	2.48	0.41
		72	37.94	-1.11	-25.12	-1.13	-25.10	0.69	1.72	-1.27	1.69	-1.25	-0.27
152	8	170	15.69	1.75	-6.06	-0.07	-4.24	-3.30	1.36	-0.16	0.08	1.12	0.55
		171	23.64	-1.42	-10.87	-1.49	-10.80	-0.80	-0.36	-2.39	-0.38	-2.38	-0.18
		73	27.32	4.00	-12.90	1.78	-10.68	-5.71	1.80	-0.79	-0.79	1.80	0.03
		72	12.37	1.48	-6.00	-0.97	-3.55	-3.51	0.15	-1.02	0.11	-0.98	-0.20
152	14	170	12.20	0.19	-4.54	0.09	-4.45	0.67	1.41	8.52e-03	0.13	1.29	0.39
		171	18.17	1.12	-6.28	-1.72	-3.45	3.60	-0.08	-2.49	-0.08	-2.48	-0.08
		73	17.02	1.88	-3.53	1.64	-3.28	-1.12	1.99	-0.20	-0.19	1.99	0.09
		72	11.74	-0.53	-4.77	-0.55	-4.74	0.34	0.31	-1.12	0.23	-1.04	-0.33
152	46	170	11.75	0.15	-3.99	0.13	-3.98	0.27	1.38	7.11e-03	0.13	1.25	0.39
		171	17.66	0.93	-5.59	-1.68	-2.98	3.20	-0.08	-2.51	-0.08	-2.51	-0.08
		73	16.55	2.07	-3.29	1.60	-2.81	-1.52	1.97	-0.20	-0.19	1.96	0.09
		72	11.65	-0.59	-4.27	-0.59	-4.27	-0.07	0.31	-1.15	0.23	-1.07	-0.33
153	2	171	30.82	-1.58	-15.48	-1.79	-15.27	1.69	-0.63	-2.96	-0.63	-2.96	0.08
		172	18.68	4.46	-10.58	-0.54	-5.58	7.08	0.81	-0.16	0.08	0.56	-0.42
		74	9.21	1.70	-6.34	-0.71	-3.93	3.68	-0.02	-0.50	-0.02	-0.50	9.05e-03
		73	36.89	5.65	-19.26	2.09	-15.70	8.72	2.30	-1.05	-1.04	2.30	0.17
153	6	171	22.60	-1.34	-10.57	-1.40	-10.51	0.75	-0.44	-2.30	-0.44	-2.30	0.05
		172	13.37	3.00	-7.58	-0.38	-4.20	4.93	0.61	-0.10	0.07	0.45	-0.30
		74	6.80	0.89	-4.46	-0.50	-3.07	2.34	4.15e-04	-0.41	-1.07e-03	-0.40	0.02
		73	26.66	4.09	-13.32	1.57	-10.81	6.13	1.79	-0.72	-0.71	1.79	0.12
153	9	171	16.81	-0.36	-4.49	-1.63	-3.22	-1.91	-0.16	-2.39	-0.16	-2.39	-0.04
		172	9.39	1.00	-5.55	-0.20	-4.35	2.54	0.61	0.08	0.12	0.57	-0.14
		74	7.54	-0.11	-4.14	-0.11	-4.14	0.09	0.13	-0.53	0.10	-0.50	0.13
		73	17.24	3.09	-4.97	1.42	-3.30	3.26	1.99	-0.14	-0.13	1.99	0.05
153	41	171	16.82	0.25	-4.68	-1.60	-2.83	-2.39	-0.16	-2.42	-0.16	-2.42	-0.05
		172	8.54	0.74	-4.86	-0.16	-3.96	2.06	0.60	0.08	0.12	0.55	-0.14
		74	7.10	-0.10	-3.79	-0.14	-3.75	-0.39	0.13	-0.54	0.10	-0.51	0.13
		73	16.44	2.76	-4.27	1.39	-2.90	2.79	1.96	-0.14	-0.13	1.96	0.06
154	4	172	18.61	-0.28	-16.58	-0.50	-16.36	-1.91	1.00	0.38	0.83	0.55	0.27
		173	37.48	3.88	-20.57	-2.06	-14.62	10.49	-0.56	-3.12	-0.61	-3.07	0.33
		75	34.98	2.19	-15.76	1.81	-15.37	2.61	2.50	-1.02	-1.00	2.49	0.21
		74	32.94	-0.35	-24.74	-0.54	-24.54	2.17	1.53	-0.51	1.53	-0.51	-0.05
154	8	172	13.41	-0.16	-11.58	-0.35	-11.38	-1.49	0.72	0.29	0.57	0.44	0.20
		173	27.16	2.68	-14.34	-1.58	-10.08	7.37	-0.40	-2.40	-0.43	-2.37	0.23
		75	25.34	1.55	-10.75	1.39	-10.59	1.43	1.93	-0.69	-0.69	1.92	0.13
		74	22.85	-0.24	-16.96	-0.39	-16.81	1.56	1.03	-0.42	1.03	-0.41	-0.05

154	25	172	8.20	-0.02	-4.63	-0.18	-4.47	-0.84	0.64	0.08	0.12	0.60	0.14
		173	18.01	1.23	-6.19	-1.62	-3.34	3.61	-0.16	-2.42	-0.16	-2.42	0.05
		75	16.58	1.86	-3.89	1.39	-3.42	-1.57	1.97	-0.13	-0.13	1.97	-0.06
		74	7.50	0.39	-4.80	-0.15	-4.26	1.60	0.14	-0.52	0.10	-0.48	-0.14
154	57	172	7.94	0.21	-4.38	-0.16	-4.02	-1.24	0.62	0.08	0.12	0.57	0.14
		173	17.44	1.03	-5.52	-1.60	-2.89	3.21	-0.16	-2.43	-0.17	-2.43	0.05
		75	16.14	2.14	-3.73	1.38	-2.97	-1.97	1.96	-0.13	-0.13	1.96	-0.06
		74	7.11	0.20	-4.16	-0.16	-3.80	1.20	0.13	-0.54	0.10	-0.51	-0.14
155	1	173	37.48	3.73	-21.01	-2.15	-15.13	-10.53	-0.51	-3.15	-0.53	-3.14	-0.18
		174	23.11	-0.12	-16.09	-0.12	-16.09	-0.24	1.79	0.47	0.86	1.41	-0.60
		76	37.99	-1.11	-25.05	-1.13	-25.03	-0.72	1.75	-1.27	1.73	-1.24	0.27
		75	35.47	2.65	-15.92	2.04	-15.31	-3.32	2.52	-1.18	-1.14	2.48	-0.42
155	8	173	23.27	-1.41	-10.40	-1.48	-10.32	0.82	-0.33	-2.40	-0.35	-2.38	0.18
		174	15.87	1.98	-6.30	-0.08	-4.24	3.58	1.34	-0.14	0.08	1.12	-0.53
		76	12.81	1.71	-6.23	-0.96	-3.56	3.75	0.16	-1.02	0.11	-0.98	0.22
		75	26.99	4.06	-12.83	1.78	-10.55	5.77	1.79	-0.73	-0.73	1.79	-0.02
155	35	173	17.28	-0.49	-4.45	-1.72	-3.22	-1.83	-0.08	-2.49	-0.08	-2.49	0.09
		174	12.73	0.34	-4.48	0.08	-4.21	1.10	1.36	0.01	0.13	1.24	-0.38
		76	12.85	-0.10	-4.98	-0.57	-4.51	1.43	0.31	-1.16	0.23	-1.09	0.32
		75	17.53	3.00	-4.43	1.62	-3.05	2.88	1.98	-0.19	-0.19	1.98	-0.10
155	67	173	17.21	0.14	-4.69	-1.68	-2.87	-2.34	-0.08	-2.51	-0.08	-2.50	0.09
		174	12.02	0.21	-3.95	0.12	-3.87	0.59	1.35	8.01e-03	0.13	1.23	-0.39
		76	12.19	-0.37	-4.39	-0.60	-4.16	0.92	0.30	-1.17	0.23	-1.09	0.32
		75	16.79	2.65	-3.76	1.59	-2.71	2.37	1.96	-0.20	-0.19	1.96	-0.09
156	1	167	37.51	3.74	-21.02	-2.15	-15.13	-10.54	3.16	0.52	0.53	3.14	0.18
		174	23.11	-0.12	-16.09	-0.12	-16.08	-0.24	-0.47	-1.79	-0.86	-1.41	0.60
		76	37.99	-1.11	-25.05	-1.13	-25.03	-0.72	1.27	-1.75	-1.73	1.24	-0.27
		69	35.48	2.65	-15.92	2.05	-15.31	-3.31	1.18	-2.53	1.14	-2.48	0.42
156	7	167	23.28	-1.41	-10.39	-1.48	-10.32	0.81	2.40	0.33	0.35	2.38	-0.18
		174	15.86	1.98	-6.30	-0.08	-4.24	3.58	0.14	-1.34	-0.08	-1.12	0.53
		76	12.81	1.71	-6.23	-0.96	-3.56	3.75	1.02	-0.16	-0.11	0.98	-0.22
		69	26.99	4.06	-12.83	1.78	-10.55	5.77	0.73	-1.80	0.73	-1.80	0.02
156	37	167	17.29	-0.49	-4.46	-1.73	-3.22	-1.84	2.49	0.08	0.08	2.49	-0.09
		174	12.73	0.35	-4.48	0.08	-4.21	1.10	-0.01	-1.36	-0.13	-1.24	0.38
		76	12.84	-0.10	-4.98	-0.57	-4.51	1.43	1.16	-0.31	-0.23	1.08	-0.32
		69	17.54	3.00	-4.43	1.63	-3.05	2.89	0.19	-1.98	0.19	-1.98	0.10
156	69	167	17.22	0.14	-4.70	-1.69	-2.87	-2.35	2.51	0.08	0.08	2.51	-0.09
		174	12.01	0.21	-3.95	0.12	-3.86	0.59	-8.92e-03	-1.35	-0.13	-1.23	0.39
		76	12.19	-0.37	-4.39	-0.60	-4.16	0.92	1.17	-0.30	-0.23	1.09	-0.32
		69	16.80	2.65	-3.76	1.59	-2.70	2.38	0.20	-1.96	0.19	-1.96	0.09
157	3	38	12.52	5.15	-7.89	2.03	-4.77	5.56	0.06	-0.31	0.06	-0.31	-9.14e-03
		37	58.43	8.53	-20.45	7.27	-19.18	5.92	5.42	-0.28	-0.22	5.36	-0.58
		167	42.38	0.66	-13.08	0.55	-12.97	1.22	0.32	-4.68	0.32	-4.67	0.06
		168	23.29	1.26	-17.86	0.89	-17.49	2.62	0.36	-0.71	-0.68	0.33	-0.18
157	7	38	9.50	3.57	-5.91	1.28	-3.62	4.05	0.05	-0.29	0.05	-0.29	6.24e-03
		37	43.33	6.43	-14.08	5.62	-13.27	4.00	4.17	-0.23	-0.18	4.13	-0.43
		167	31.27	0.36	-8.86	0.35	-8.86	0.27	0.20	-3.60	0.20	-3.60	0.09
		168	16.75	1.12	-12.51	0.85	-12.24	1.90	0.32	-0.47	-0.45	0.29	-0.14
157	38	38	9.39	1.51	-5.00	0.18	-3.67	2.62	0.11	-0.59	0.10	-0.58	0.09
		37	34.32	6.55	-4.03	6.53	-4.01	0.45	4.22	-0.30	-0.28	4.20	-0.32
		167	23.22	3.01	-5.20	-0.25	-1.93	-4.02	-0.08	-3.61	-0.11	-3.58	0.34
		168	9.77	2.06	-4.93	1.85	-4.72	1.20	0.60	-0.01	0.01	0.58	-0.11
157	70	38	9.14	1.24	-4.91	-0.19	-3.48	2.60	0.11	-0.62	0.10	-0.60	0.09
		37	33.78	6.18	-3.84	6.16	-3.82	0.42	4.21	-0.30	-0.28	4.18	-0.32
		167	23.18	3.15	-5.09	-0.20	-1.74	-4.05	-0.08	-3.63	-0.11	-3.60	0.34
		168	9.48	2.11	-4.74	1.90	-4.53	1.17	0.58	-9.60e-03	0.01	0.56	-0.11

158	2	39	51.63	6.08	-17.14	5.81	-16.88	2.46	5.02	-0.49	-0.46	4.99	0.40
		38	12.13	-0.81	-7.67	-2.17	-6.32	2.73	0.12	-0.96	0.12	-0.95	-0.05
		168	11.71	2.36	-7.00	2.02	-6.65	1.77	0.92	-0.17	0.07	0.68	0.45
		169	44.06	6.69	-20.49	0.72	-14.53	11.25	0.31	-4.55	0.21	-4.45	-0.68
158	6	39	38.81	4.80	-11.89	4.65	-11.74	1.59	3.90	-0.36	-0.34	3.88	0.31
		38	8.78	-0.93	-5.24	-1.51	-4.65	1.48	0.10	-0.72	0.09	-0.72	-0.05
		168	9.00	1.76	-5.17	1.60	-5.02	1.03	0.68	-0.11	0.05	0.52	0.32
		169	32.42	4.85	-14.28	0.46	-9.89	8.04	0.20	-3.52	0.13	-3.45	-0.50
158	28	39	32.32	5.30	-3.33	5.27	-3.31	0.43	4.17	-0.30	-0.28	4.14	0.33
		38	7.79	-0.02	-4.00	-1.05	-2.97	-1.74	0.11	-0.67	0.09	-0.66	-0.09
		168	8.29	2.03	-4.03	2.02	-4.02	-0.34	0.51	-0.01	0.01	0.49	0.11
		169	23.59	4.27	-5.57	-0.07	-1.22	4.89	-0.08	-3.66	-0.11	-3.63	-0.35
158	47	39	33.57	6.01	-3.79	6.01	-3.79	0.06	4.21	-0.30	-0.28	4.19	0.33
		38	8.59	0.75	-4.52	-0.32	-3.45	-2.12	0.11	-0.62	0.10	-0.61	-0.09
		168	9.13	2.00	-4.58	1.92	-4.50	-0.71	0.56	-8.17e-03	0.01	0.54	0.11
		169	23.22	3.64	-5.52	-0.17	-1.71	4.52	-0.08	-3.62	-0.11	-3.59	-0.34
159	2	40	19.33	1.75	-9.68	-1.16	-6.78	4.98	0.48	-1.47	-0.46	-0.53	-0.98
		39	60.61	11.26	-18.39	8.56	-15.68	8.54	6.93	0.75	0.76	6.92	0.22
		169	50.56	-0.81	-14.27	-1.03	-14.05	1.70	1.11	-5.70	0.99	-5.58	-0.89
		170	28.83	1.88	-17.34	1.85	-17.31	0.74	1.21	-1.38	-1.08	0.91	0.83
159	6	40	14.21	0.95	-7.27	-1.16	-5.15	3.59	0.34	-1.14	-0.35	-0.46	-0.74
		39	45.03	8.53	-12.41	6.63	-10.51	6.01	5.34	0.56	0.57	5.34	0.18
		169	37.68	-0.82	-9.69	-0.87	-9.64	0.65	0.79	-4.38	0.71	-4.30	-0.65
		170	21.15	1.61	-12.11	1.59	-12.09	0.43	0.98	-1.00	-0.76	0.74	0.65
159	13	40	10.44	-1.13	-6.33	-2.23	-5.23	2.12	0.17	-1.19	-0.30	-0.72	-0.65
		39	36.39	8.28	-1.57	7.63	-0.92	2.45	5.49	0.46	0.48	5.47	0.29
		169	30.64	1.64	-5.68	-1.47	-2.57	-3.62	0.42	-4.33	0.39	-4.30	-0.40
		170	15.69	2.62	-4.63	2.60	-4.61	-0.40	1.34	-0.58	-0.29	1.05	0.69
159	45	40	10.40	-1.37	-6.20	-2.59	-4.98	2.09	0.16	-1.21	-0.30	-0.75	-0.65
		39	35.77	7.94	-1.35	7.26	-0.67	2.42	5.46	0.46	0.48	5.45	0.29
		169	30.59	1.80	-5.54	-1.43	-2.32	-3.65	0.42	-4.36	0.39	-4.33	-0.40
		170	15.38	2.67	-4.39	2.64	-4.36	-0.43	1.31	-0.59	-0.29	1.01	0.69
160	2	40	19.31	1.75	-9.67	-1.15	-6.77	4.97	1.48	-0.48	0.47	0.53	0.98
		41	60.54	11.24	-18.39	8.54	-15.69	8.53	-0.76	-6.92	-0.76	-6.91	-0.22
		171	50.53	-0.80	-14.27	-1.02	-14.05	1.72	5.69	-1.11	-0.99	5.57	0.89
		170	28.84	1.87	-17.34	1.85	-17.31	0.73	1.38	-1.21	1.08	-0.91	-0.83
160	6	40	14.19	0.96	-7.26	-1.16	-5.15	3.59	1.14	-0.33	0.35	0.46	0.74
		41	44.98	8.51	-12.41	6.61	-10.52	6.00	-0.57	-5.34	-0.57	-5.33	-0.18
		171	37.66	-0.82	-9.69	-0.87	-9.64	0.66	4.38	-0.79	-0.71	4.30	0.65
		170	21.16	1.60	-12.11	1.59	-12.09	0.43	1.00	-0.98	0.76	-0.74	-0.64
160	11	40	10.43	-1.12	-6.32	-2.22	-5.22	2.12	1.19	-0.17	0.30	0.72	0.65
		41	36.34	8.26	-1.57	7.61	-0.92	2.44	-0.46	-5.48	-0.48	-5.47	-0.29
		171	30.61	1.63	-5.67	-1.47	-2.57	-3.61	4.33	-0.42	-0.39	4.30	0.40
		170	15.70	2.62	-4.63	2.60	-4.61	-0.41	0.58	-1.34	0.29	-1.05	-0.69
160	43	40	10.39	-1.37	-6.19	-2.58	-4.97	2.09	1.22	-0.16	0.30	0.76	0.65
		41	35.72	7.92	-1.35	7.25	-0.67	2.41	-0.46	-5.46	-0.48	-5.44	-0.29
		171	30.56	1.79	-5.53	-1.42	-2.32	-3.64	4.36	-0.42	-0.39	4.32	0.40
		170	15.38	2.67	-4.39	2.64	-4.36	-0.44	0.59	-1.31	0.29	-1.01	-0.69
161	2	41	51.51	6.06	-17.14	5.80	-16.87	2.47	0.49	-5.00	0.46	-4.97	-0.40
		3	12.12	-0.80	-7.68	-2.16	-6.32	2.74	0.95	-0.12	-0.12	0.95	0.05
		172	11.67	2.36	-7.00	2.01	-6.65	1.77	0.17	-0.92	-0.07	-0.67	-0.45
		171	43.97	6.68	-20.49	0.72	-14.53	11.24	4.53	-0.31	-0.21	4.44	0.68
161	6	41	38.72	4.79	-11.89	4.64	-11.74	1.60	0.37	-3.89	0.34	-3.87	-0.31
		3	8.76	-0.92	-5.24	-1.51	-4.65	1.49	0.72	-0.10	-0.09	0.72	0.05
		172	8.98	1.75	-5.17	1.60	-5.01	1.03	0.11	-0.68	-0.05	-0.52	-0.32
		171	32.35	4.84	-14.28	0.46	-9.90	8.04	3.51	-0.20	-0.13	3.44	0.50

161	30	41	32.23	5.28	-3.33	5.26	-3.30	0.43	0.30	-4.15	0.28	-4.13	-0.33
		3	7.78	-0.02	-3.99	-1.04	-2.97	-1.74	0.67	-0.11	-0.10	0.66	0.09
		172	8.27	2.03	-4.03	2.01	-4.01	-0.34	0.01	-0.51	-0.01	-0.49	-0.11
		171	23.53	4.27	-5.56	-0.07	-1.22	4.88	3.65	0.08	0.11	3.62	0.35
161	41	41	33.48	5.99	-3.79	5.99	-3.79	0.06	0.30	-4.20	0.28	-4.17	-0.33
		3	8.58	0.75	-4.51	-0.31	-3.45	-2.11	0.62	-0.11	-0.10	0.61	0.09
		172	9.11	1.99	-4.58	1.91	-4.50	-0.71	8.67e-03	-0.56	-0.01	-0.54	-0.11
		171	23.15	3.63	-5.51	-0.17	-1.71	4.51	3.61	0.08	0.11	3.58	0.35
162	4	3	12.52	5.15	-7.88	2.04	-4.77	5.55	0.31	-0.06	-0.06	0.31	7.49e-03
		4	58.32	8.51	-20.44	7.25	-19.18	5.92	0.28	-5.40	0.22	-5.34	0.58
		173	42.30	0.67	-13.08	0.55	-12.97	1.23	4.66	-0.32	-0.32	4.66	-0.06
		172	23.26	1.25	-17.85	0.88	-17.49	2.62	0.71	-0.36	0.68	-0.33	0.18
162	8	3	9.49	3.57	-5.90	1.29	-3.62	4.04	0.29	-0.05	-0.05	0.29	-7.51e-03
		4	43.25	6.42	-14.08	5.61	-13.27	4.00	0.23	-4.16	0.18	-4.11	0.43
		173	31.20	0.36	-8.87	0.35	-8.86	0.28	3.59	-0.20	-0.20	3.59	-0.09
		172	16.73	1.12	-12.51	0.85	-12.24	1.90	0.47	-0.31	0.45	-0.29	0.14
162	36	3	9.38	1.51	-5.00	0.19	-3.67	2.62	0.59	-0.12	-0.10	0.58	-0.10
		4	34.23	6.54	-4.03	6.52	-4.01	0.45	0.30	-4.21	0.28	-4.19	0.32
		173	23.15	3.01	-5.19	-0.25	-1.93	-4.01	3.60	0.08	0.12	3.57	-0.34
		172	9.75	2.06	-4.93	1.84	-4.72	1.20	0.01	-0.60	-0.01	-0.58	0.12
162	68	3	9.13	1.24	-4.91	-0.19	-3.48	2.59	0.61	-0.11	-0.10	0.60	-0.09
		4	33.69	6.16	-3.84	6.15	-3.82	0.42	0.30	-4.19	0.28	-4.17	0.33
		173	23.11	3.14	-5.08	-0.20	-1.74	-4.04	3.62	0.08	0.11	3.59	-0.34
		172	9.46	2.11	-4.74	1.90	-4.53	1.18	0.01	-0.58	-0.01	-0.55	0.12
163	4	4	54.49	7.40	-11.99	7.40	-11.99	-4.62e-04	-0.48	-6.70	-0.51	-6.67	0.42
		44	20.44	-3.01	-10.74	-5.23	-8.51	3.50	1.74	-0.24	0.37	1.14	-0.91
		174	21.63	4.49	-7.99	2.96	-6.47	4.09	0.52	-1.47	0.30	-1.24	0.63
		173	54.14	5.00	-20.74	-0.93	-14.82	10.83	5.45	-0.84	-0.83	5.43	-0.29
163	8	4	40.99	5.86	-8.06	5.85	-8.05	-0.32	-0.38	-5.19	-0.40	-5.17	0.32
		44	14.66	-2.70	-7.48	-3.88	-6.31	2.06	1.33	-0.18	0.29	0.86	-0.69
		174	16.42	3.28	-5.82	2.33	-4.86	2.79	0.43	-1.15	0.24	-0.96	0.51
		173	40.16	3.54	-14.50	-0.80	-10.16	7.71	4.21	-0.62	-0.60	4.20	-0.25
163	25	4	35.29	7.03	-0.64	6.86	-0.47	-1.13	-0.46	-5.46	-0.48	-5.44	0.29
		44	9.78	-2.64	-5.08	-2.96	-4.76	-0.82	1.24	-0.15	0.30	0.78	-0.65
		174	16.41	3.12	-4.56	2.72	-4.15	1.71	0.60	-1.28	0.29	-0.97	0.70
		173	31.24	3.20	-6.64	-1.34	-2.11	4.91	4.36	-0.42	-0.39	4.33	-0.39
163	57	4	35.21	7.29	-0.86	6.88	-0.46	-1.77	-0.46	-5.45	-0.48	-5.43	0.29
		44	9.37	-2.12	-5.57	-2.94	-4.75	-1.47	1.24	-0.15	0.30	0.78	-0.65
		174	15.70	2.86	-4.30	2.70	-4.14	1.06	0.60	-1.28	0.29	-0.98	0.70
		173	30.86	2.55	-6.01	-1.36	-2.10	4.26	4.37	-0.42	-0.39	4.34	-0.40
164	3	37	54.55	7.42	-11.99	7.42	-11.99	-0.01	6.71	0.48	0.51	6.68	-0.42
		44	20.44	-3.02	-10.75	-5.24	-8.52	3.50	0.24	-1.74	-0.37	-1.13	0.91
		174	21.63	4.49	-7.99	2.97	-6.47	4.09	1.47	-0.52	-0.30	1.24	-0.63
		167	54.18	5.01	-20.75	-0.93	-14.82	10.85	0.84	-5.45	0.83	-5.44	0.29
164	7	37	41.04	5.88	-8.06	5.87	-8.05	-0.33	5.20	0.38	0.40	5.18	-0.32
		44	14.66	-2.71	-7.49	-3.88	-6.31	2.06	0.18	-1.32	-0.28	-0.86	0.70
		174	16.41	3.29	-5.81	2.34	-4.86	2.78	1.15	-0.43	-0.24	0.96	-0.51
		167	40.19	3.55	-14.51	-0.80	-10.16	7.72	0.62	-4.22	0.60	-4.21	0.25
164	31	37	35.34	7.04	-0.64	6.87	-0.47	-1.14	5.47	0.46	0.48	5.45	-0.29
		44	9.77	-2.65	-5.09	-2.97	-4.77	-0.82	0.16	-1.23	-0.30	-0.78	0.65
		174	16.41	3.13	-4.55	2.73	-4.15	1.71	1.28	-0.60	-0.29	0.97	-0.70
		167	31.27	3.21	-6.66	-1.34	-2.11	4.92	0.42	-4.37	0.39	-4.33	0.39
164	63	37	35.26	7.30	-0.86	6.90	-0.45	-1.78	5.45	0.46	0.48	5.44	-0.30
		44	9.39	-2.13	-5.58	-2.95	-4.76	-1.47	0.16	-1.23	-0.30	-0.78	0.65
		174	15.70	2.87	-4.30	2.71	-4.14	1.06	1.28	-0.60	-0.29	0.97	-0.70
		167	30.89	2.56	-6.02	-1.36	-2.10	4.27	0.42	-4.38	0.39	-4.34	0.40

165	1	200	11.56	3.08	-1.83	0.42	0.83	-2.45	1.71	-1.43e-03	1.70	6.25e-03	0.11
		199	16.09	2.67	-2.37	2.64	-2.33	-0.42	0.64	-1.57	-1.57	0.64	0.05
		136	9.88	0.71	-3.39	-0.20	-2.48	-1.70	0.35	-0.94	0.35	-0.94	-0.06
		135	4.66	1.39	-2.52	-1.16	0.03	-1.87	0.05	-0.29	-0.29	0.05	-0.03
165	5	200	7.83	2.18	-1.28	0.35	0.55	-1.72	1.14	-0.03	1.14	-0.02	0.08
		199	11.00	1.75	-1.56	1.74	-1.55	-0.21	0.50	-1.04	-1.04	0.50	0.03
		136	7.07	0.50	-2.25	-0.09	-1.67	-1.12	0.22	-0.71	0.22	-0.71	-0.05
		135	3.12	0.84	-1.69	-0.84	-6.75e-03	-1.19	0.06	-0.18	-0.18	0.06	-0.02
165	21	200	1.97	1.00	-0.50	0.57	-0.08	-0.68	0.02	-0.21	7.89e-03	-0.19	0.05
		199	3.26	0.53	-0.61	-0.13	0.06	0.56	0.49	0.01	0.01	0.49	0.02
		136	4.08	0.38	-0.15	0.36	-0.13	0.10	-0.08	-0.67	-0.09	-0.67	-0.04
		135	1.62	0.09	-0.75	-0.47	-0.18	0.40	0.23	0.07	0.07	0.23	-0.02
165	53	200	1.96	1.00	-0.51	0.57	-0.08	-0.68	0.02	-0.21	8.05e-03	-0.19	0.05
		199	3.33	0.52	-0.60	-0.14	0.06	0.55	0.51	0.01	0.02	0.51	0.02
		136	4.00	0.36	-0.14	0.34	-0.13	0.09	-0.08	-0.66	-0.08	-0.66	-0.03
		135	1.60	0.08	-0.75	-0.49	-0.18	0.39	0.23	0.07	0.07	0.23	-0.02
166	3	201	10.12	4.78	-1.18	3.86	-0.25	-2.15	1.46	1.06	1.25	1.27	0.20
		200	17.38	7.02	-4.87	6.96	-4.81	0.87	0.67	-0.69	-0.67	0.66	-0.15
		135	10.49	-4.04	-7.00	-4.06	-6.99	-0.19	-0.06	-0.86	-0.15	-0.77	-0.25
		143	11.57	1.33	-3.85	-1.21	-1.31	-2.59	0.05	-1.57	-0.03	-1.49	0.36
166	7	201	6.85	3.23	-0.83	2.55	-0.16	-1.51	1.01	0.74	0.83	0.92	0.13
		200	11.58	4.77	-3.27	4.71	-3.22	0.67	0.43	-0.46	-0.45	0.41	-0.11
		135	6.88	-2.75	-4.70	-2.77	-4.68	-0.18	-0.03	-0.54	-0.09	-0.48	-0.16
		143	8.07	0.91	-2.56	-0.76	-0.89	-1.74	0.02	-1.13	-0.03	-1.08	0.24
166	16	201	3.24	0.50	-0.59	-0.15	0.06	-0.53	0.49	0.02	0.02	0.49	-0.02
		200	2.00	1.01	-0.53	0.55	-0.07	0.71	0.02	-0.21	4.89e-03	-0.19	-0.05
		135	1.53	0.07	-0.72	-0.47	-0.18	-0.37	0.22	0.07	0.07	0.22	0.02
		143	4.02	0.36	-0.13	0.35	-0.12	-0.07	-0.08	-0.66	-0.09	-0.66	0.03
166	48	201	3.30	0.51	-0.59	-0.15	0.06	-0.54	0.50	0.02	0.02	0.50	-0.02
		200	1.97	1.01	-0.53	0.56	-0.07	0.70	0.02	-0.20	4.86e-03	-0.19	-0.05
		135	1.54	0.07	-0.74	-0.49	-0.18	-0.38	0.22	0.07	0.07	0.22	0.02
		143	3.95	0.35	-0.14	0.34	-0.12	-0.08	-0.08	-0.65	-0.09	-0.65	0.03
167	3	202	15.21	3.61	-1.83	0.23	1.55	-2.64	1.86	-0.50	1.84	-0.48	0.22
		201	17.56	2.39	-3.30	2.13	-3.04	-1.20	0.69	-1.76	-1.76	0.69	-4.93e-03
		143	10.20	1.31	-3.67	0.29	-2.64	-2.01	0.32	-0.99	0.32	-0.98	0.08
		144	7.77	1.72	-2.21	-1.37	0.88	-1.61	0.62	-0.26	-0.23	0.59	-0.18
167	7	202	10.65	2.56	-1.26	0.21	1.09	-1.86	1.25	-0.41	1.24	-0.40	0.16
		201	12.09	1.52	-2.26	1.34	-2.08	-0.80	0.54	-1.19	-1.19	0.54	-6.52e-03
		143	7.31	0.96	-2.45	0.29	-1.78	-1.36	0.20	-0.75	0.20	-0.74	0.06
		144	5.63	1.10	-1.46	-1.00	0.64	-0.98	0.51	-0.17	-0.14	0.48	-0.14
167	20	202	4.58	1.22	-0.34	0.46	0.42	-0.78	0.11	-0.57	0.09	-0.54	0.13
		201	3.83	-0.38	-0.57	-0.57	-0.39	-0.02	0.56	-0.11	-0.11	0.56	-0.02
		143	4.07	0.69	-0.10	0.67	-0.08	-0.12	-0.09	-0.66	-0.10	-0.65	0.08
		144	4.47	0.72	-1.03	-0.72	0.41	0.67	0.70	0.08	0.11	0.67	-0.14
167	52	202	4.64	1.20	-0.35	0.44	0.41	-0.78	0.11	-0.58	0.09	-0.56	0.13
		201	3.77	-0.39	-0.59	-0.59	-0.39	-0.02	0.56	-0.11	-0.11	0.55	-0.02
		143	4.15	0.71	-0.11	0.69	-0.09	-0.12	-0.09	-0.67	-0.10	-0.66	0.08
		144	4.37	0.72	-1.01	-0.69	0.40	0.67	0.69	0.08	0.11	0.66	-0.14
168	4	202	15.21	3.61	-1.83	0.23	1.55	-2.64	0.50	-1.86	-1.84	0.48	-0.22
		203	17.56	2.39	-3.30	2.13	-3.04	-1.20	1.76	-0.69	1.76	-0.69	5.13e-03
		145	10.19	1.31	-3.67	0.29	-2.64	-2.01	0.99	-0.32	-0.32	0.98	-0.08
		144	7.77	1.72	-2.21	-1.37	0.88	-1.61	0.26	-0.62	0.23	-0.59	0.18
168	8	202	10.65	2.56	-1.27	0.21	1.09	-1.86	0.41	-1.25	-1.24	0.40	-0.16
		203	12.09	1.52	-2.25	1.34	-2.08	-0.80	1.19	-0.54	1.19	-0.54	6.67e-03
		145	7.31	0.96	-2.45	0.29	-1.78	-1.36	0.75	-0.20	-0.20	0.74	-0.06
		144	5.63	1.10	-1.46	-1.00	0.64	-0.98	0.17	-0.51	0.14	-0.48	0.14

168	22	202	4.58	1.22	-0.34	0.46	0.42	-0.78	0.57	-0.11	-0.09	0.54	-0.13
		203	3.82	-0.38	-0.57	-0.57	-0.39	-0.02	0.11	-0.56	0.11	-0.56	0.02
		145	4.07	0.69	-0.10	0.67	-0.08	-0.12	0.66	0.09	0.10	0.65	-0.08
		144	4.47	0.72	-1.03	-0.72	0.41	0.67	-0.08	-0.70	-0.11	-0.67	0.14
168	54	202	4.64	1.20	-0.35	0.44	0.41	-0.77	0.58	-0.11	-0.09	0.56	-0.13
		203	3.77	-0.39	-0.59	-0.59	-0.39	-0.02	0.11	-0.56	0.11	-0.55	0.02
		145	4.14	0.71	-0.11	0.69	-0.09	-0.12	0.67	0.08	0.10	0.66	-0.08
		144	4.37	0.72	-1.01	-0.69	0.40	0.67	-0.08	-0.69	-0.11	-0.66	0.14
169	3	208	16.48	-3.12	-8.55	-3.23	-8.44	0.77	-0.41	-1.68	-0.41	-1.68	9.47e-03
		207	6.95	-0.68	-3.64	-2.57	-1.75	-1.42	0.17	-0.90	0.16	-0.89	0.07
		199	11.44	4.75	-0.59	4.04	0.12	-1.82	1.50	0.21	1.38	0.33	0.38
		200	22.60	6.70	-5.95	5.85	-5.10	3.17	1.32	-0.93	-0.85	1.25	-0.41
169	7	208	11.14	-2.10	-5.71	-2.16	-5.64	0.48	-0.27	-1.14	-0.27	-1.14	0.01
		207	4.50	-0.48	-2.44	-1.76	-1.17	-0.93	0.10	-0.58	0.10	-0.57	0.04
		199	7.80	3.23	-0.41	2.73	0.09	-1.25	1.01	0.11	0.93	0.20	0.26
		200	15.35	4.51	-4.01	3.91	-3.41	2.18	0.92	-0.63	-0.57	0.86	-0.28
169	29	208	1.48	0.16	-0.34	-0.07	-0.12	-0.25	0.06	-0.18	0.04	-0.17	0.05
		207	1.44	-1.49e-03	-0.36	-0.32	-0.04	0.11	0.16	-0.07	-0.07	0.16	-9.76e-03
		199	1.76	0.45	-0.11	0.29	0.05	-0.25	0.10	-0.21	0.09	-0.20	0.05
		200	2.44	0.49	-0.49	0.04	-0.04	0.49	0.27	-0.06	-0.03	0.24	-0.09
169	61	208	1.49	0.16	-0.35	-0.07	-0.12	-0.25	0.05	-0.19	0.04	-0.17	0.05
		207	1.45	-6.85e-03	-0.36	-0.32	-0.05	0.11	0.16	-0.07	-0.07	0.16	-0.01
		199	1.76	0.46	-0.12	0.30	0.04	-0.26	0.10	-0.21	0.09	-0.20	0.05
		200	2.41	0.49	-0.48	0.05	-0.04	0.48	0.27	-0.06	-0.03	0.24	-0.09
170	3	210	7.17	-0.78	-3.81	-2.68	-1.91	1.47	0.14	-0.95	0.14	-0.95	-0.09
		208	16.49	-3.15	-8.51	-3.26	-8.40	-0.76	-0.41	-1.69	-0.41	-1.69	7.35e-03
		200	22.27	6.75	-5.86	5.91	-5.02	-3.14	1.33	-0.86	-0.78	1.25	0.41
		201	11.35	4.97	-0.79	4.25	-0.07	1.91	1.47	0.24	1.34	0.37	-0.38
170	7	210	4.65	-0.55	-2.56	-1.83	-1.28	0.96	0.09	-0.61	0.08	-0.61	-0.06
		208	11.14	-2.12	-5.68	-2.18	-5.62	-0.47	-0.27	-1.15	-0.27	-1.15	-2.15e-03
		200	15.13	4.54	-3.94	3.95	-3.35	-2.16	0.92	-0.58	-0.53	0.86	0.28
		201	7.73	3.38	-0.54	2.87	-0.04	1.31	0.99	0.13	0.90	0.22	-0.26
170	38	210	1.41	-0.02	-0.36	-0.32	-0.06	-0.11	0.16	-0.07	-0.07	0.16	9.32e-03
		208	1.43	0.16	-0.35	-0.06	-0.13	0.25	0.05	-0.18	0.04	-0.16	-0.05
		200	2.40	0.48	-0.47	0.07	-0.06	-0.47	0.27	-0.06	-0.03	0.24	0.09
		201	1.75	0.46	-0.13	0.31	0.03	0.26	0.10	-0.21	0.09	-0.20	-0.05
170	54	210	1.38	-0.01	-0.37	-0.33	-0.05	-0.11	0.15	-0.07	-0.07	0.15	0.01
		208	1.48	0.15	-0.35	-0.07	-0.13	0.25	0.05	-0.18	0.04	-0.17	-0.05
		200	2.37	0.49	-0.48	0.07	-0.06	-0.48	0.26	-0.06	-0.03	0.23	0.09
		201	1.77	0.46	-0.11	0.31	0.04	0.25	0.10	-0.22	0.09	-0.21	-0.05
171	3	202	12.15	2.02	-1.55	1.73	-1.26	-0.98	1.92	0.65	0.67	1.90	0.16
		212	5.96	1.49	-0.18	1.49	-0.18	-0.06	-0.02	-0.83	-0.63	-0.23	-0.35
		210	6.50	-1.02	-4.58	-4.25	-1.35	-1.04	0.61	-0.07	0.08	0.46	0.28
		201	17.65	4.20	-3.45	-3.07	3.81	1.67	-0.05	-1.95	-0.08	-1.92	-0.24
171	7	202	8.26	1.45	-1.13	1.22	-0.89	-0.74	1.30	0.49	0.51	1.28	0.12
		212	4.40	1.00	-0.09	1.00	-0.08	0.06	6.06e-04	-0.60	-0.46	-0.14	-0.26
		210	4.59	-0.71	-3.08	-2.83	-0.95	-0.72	0.43	-0.03	0.10	0.30	0.20
		201	11.92	2.87	-2.36	-2.09	2.60	1.16	-0.07	-1.33	-0.09	-1.31	-0.17
171	19	202	3.07	0.86	-0.72	0.49	-0.35	-0.67	0.49	0.10	0.45	0.14	0.12
		212	3.56	0.88	-0.61	0.04	0.23	0.74	0.12	-0.37	-0.31	0.06	-0.16
		210	2.45	0.06	-0.49	-6.83e-04	-0.43	-0.18	0.36	-0.06	0.33	-0.03	0.11
		201	2.10	0.58	-0.48	-0.35	0.45	0.36	-0.17	-0.34	-0.31	-0.21	-0.07
171	51	202	3.14	0.86	-0.74	0.49	-0.37	-0.68	0.51	0.10	0.47	0.14	0.12
		212	3.49	0.88	-0.60	0.04	0.24	0.73	0.12	-0.36	-0.30	0.06	-0.16
		210	2.48	0.06	-0.48	-4.07e-03	-0.42	-0.18	0.36	-0.06	0.33	-0.03	0.10
		201	2.06	0.57	-0.49	-0.35	0.43	0.35	-0.17	-0.34	-0.30	-0.20	-0.07

172	2	203	9.82	5.01	-1.19	-0.47	4.29	-1.99	1.17	0.07	0.25	1.00	0.40
		214	6.00	-0.82	-3.69	-1.77	-2.74	-1.35	0.20	-0.70	-0.70	0.20	-0.04
		212	17.30	-2.85	-8.24	-8.24	-2.85	0.17	-0.38	-1.84	-1.83	-0.40	0.14
		202	22.52	6.43	-5.49	-4.40	5.34	3.43	1.66	-0.69	1.57	-0.60	-0.45
172	6	203	6.56	3.42	-0.86	-0.36	2.92	-1.37	0.76	6.12e-03	0.13	0.64	0.28
		214	3.80	-0.59	-2.47	-1.18	-1.88	-0.88	0.13	-0.42	-0.42	0.13	-0.04
		212	11.77	-1.87	-5.49	-5.49	-1.87	0.02	-0.24	-1.27	-1.26	-0.26	0.11
		202	15.31	4.30	-3.66	-2.87	3.51	2.38	1.18	-0.44	1.11	-0.38	-0.32
172	21	203	2.10	0.59	-0.48	-0.35	0.45	-0.36	-0.17	-0.34	-0.31	-0.21	0.07
		214	2.45	0.06	-0.49	-1.13e-03	-0.43	0.18	0.36	-0.06	0.33	-0.03	-0.11
		212	3.56	0.88	-0.61	0.04	0.23	-0.74	0.12	-0.37	-0.31	0.06	0.16
		202	3.07	0.86	-0.72	0.49	-0.35	0.67	0.49	0.10	0.45	0.14	-0.12
172	53	203	2.06	0.57	-0.49	-0.35	0.43	-0.36	-0.16	-0.34	-0.30	-0.20	0.07
		214	2.49	0.06	-0.48	-4.51e-03	-0.42	0.18	0.36	-0.06	0.33	-0.03	-0.11
		212	3.49	0.88	-0.60	0.04	0.24	-0.73	0.12	-0.36	-0.30	0.06	0.16
		202	3.14	0.86	-0.74	0.48	-0.37	0.68	0.51	0.10	0.47	0.14	-0.12
173	4	203	11.34	4.97	-0.79	4.25	-0.07	-1.91	1.47	0.24	1.34	0.38	0.38
		204	22.27	6.75	-5.86	5.91	-5.02	3.14	1.33	-0.86	-0.78	1.25	-0.41
		216	16.48	-3.15	-8.51	-3.26	-8.40	0.76	-0.41	-1.69	-0.41	-1.69	-7.21e-03
		214	7.18	-0.78	-3.81	-2.68	-1.91	-1.47	0.14	-0.95	0.14	-0.95	0.08
173	8	203	7.73	3.38	-0.54	2.87	-0.04	-1.31	0.99	0.14	0.90	0.22	0.26
		204	15.12	4.54	-3.94	3.95	-3.35	2.16	0.92	-0.58	-0.53	0.86	-0.28
		216	11.14	-2.12	-5.68	-2.19	-5.62	0.47	-0.27	-1.15	-0.27	-1.15	2.26e-03
		214	4.65	-0.55	-2.56	-1.83	-1.28	-0.96	0.09	-0.62	0.08	-0.61	0.05
173	36	203	1.73	0.47	-0.13	0.31	0.03	-0.26	0.10	-0.21	0.09	-0.20	0.05
		204	2.40	0.48	-0.47	0.07	-0.06	0.47	0.26	-0.06	-0.03	0.24	-0.09
		216	1.42	0.16	-0.35	-0.07	-0.13	-0.25	0.05	-0.18	0.04	-0.16	0.05
		214	1.40	-0.02	-0.36	-0.32	-0.06	0.11	0.16	-0.07	-0.07	0.16	-9.62e-03
173	52	203	1.76	0.47	-0.12	0.31	0.04	-0.26	0.10	-0.21	0.09	-0.20	0.05
		204	2.37	0.49	-0.48	0.07	-0.06	0.48	0.26	-0.06	-0.03	0.23	-0.09
		216	1.47	0.15	-0.35	-0.08	-0.13	-0.25	0.05	-0.18	0.04	-0.17	0.05
		214	1.37	-0.01	-0.37	-0.33	-0.05	0.12	0.15	-0.07	-0.07	0.15	-0.01
174	2	204	10.89	0.60	-0.67	0.44	-0.52	-0.42	0.16	-1.59	-1.59	0.15	0.10
		205	16.75	2.33	-3.50	-3.39	2.22	-0.80	1.58	-0.61	1.58	-0.60	0.11
		218	10.20	4.12	0.18	0.26	4.04	0.55	0.66	-0.63	-0.63	0.66	-0.06
		216	4.74	1.58	-1.91	0.52	-0.85	1.61	0.50	0.14	0.49	0.15	0.04
174	6	204	7.45	0.45	-0.50	0.30	-0.35	-0.34	0.14	-1.07	-1.06	0.13	0.08
		205	11.30	1.55	-2.28	-2.22	1.49	-0.50	1.07	-0.43	1.06	-0.43	0.06
		218	6.99	2.74	0.08	0.13	2.69	0.35	0.46	-0.43	-0.43	0.46	-0.04
		216	3.23	1.08	-1.32	0.34	-0.59	1.11	0.34	0.07	0.33	0.07	0.02
174	14	204	2.39	0.47	-0.47	0.05	-0.04	-0.47	0.26	-0.06	-0.03	0.23	0.09
		205	1.86	0.48	-0.14	0.31	0.04	0.27	0.10	-0.23	0.09	-0.22	-0.05
		218	1.32	-0.01	-0.38	-0.34	-0.05	-0.11	0.14	-0.07	-0.07	0.14	0.01
		216	1.56	0.16	-0.37	-0.09	-0.12	0.26	0.06	-0.19	0.04	-0.18	-0.06
174	46	204	2.38	0.48	-0.47	0.05	-0.05	-0.48	0.26	-0.06	-0.03	0.23	0.09
		205	1.80	0.47	-0.13	0.31	0.04	0.27	0.10	-0.22	0.09	-0.21	-0.05
		218	1.39	-0.01	-0.37	-0.33	-0.05	-0.11	0.15	-0.07	-0.07	0.15	0.01
		216	1.53	0.16	-0.36	-0.08	-0.12	0.26	0.05	-0.19	0.04	-0.18	-0.06
175	1	218	6.04	-0.82	-3.69	-1.79	-2.72	1.35	0.20	-0.70	-0.69	0.20	0.04
		205	9.63	5.00	-1.23	-0.50	4.27	2.01	1.15	0.07	0.25	0.97	-0.40
		105	22.25	6.35	-5.41	-4.33	5.26	-3.40	1.65	-0.67	1.56	-0.58	0.45
		220	17.16	-2.81	-8.18	-8.17	-2.81	-0.15	-0.37	-1.83	-1.81	-0.39	-0.15
175	5	218	3.84	-0.59	-2.47	-1.19	-1.87	0.88	0.13	-0.42	-0.42	0.13	0.04
		205	6.43	3.41	-0.89	-0.38	2.90	1.39	0.74	6.09e-03	0.13	0.62	-0.28
		105	15.13	4.25	-3.61	-2.82	3.46	-2.36	1.17	-0.43	1.10	-0.37	0.32
		220	11.68	-1.84	-5.45	-5.45	-1.84	-3.70e-03	-0.24	-1.26	-1.25	-0.25	-0.12

175	14	218	2.41	0.05	-0.51	-0.02	-0.44	-0.18	0.35	-0.06	0.32	-0.03	0.11
		205	2.11	0.60	-0.50	-0.36	0.46	0.36	-0.17	-0.34	-0.30	-0.21	-0.07
		105	3.07	0.85	-0.72	0.47	-0.33	-0.68	0.49	0.10	0.45	0.14	0.12
		220	3.59	0.86	-0.63	0.02	0.22	0.74	0.12	-0.38	-0.32	0.06	-0.16
175	46	218	2.45	0.05	-0.49	-0.02	-0.42	-0.18	0.36	-0.06	0.33	-0.03	0.11
		205	2.07	0.58	-0.50	-0.36	0.44	0.36	-0.17	-0.33	-0.29	-0.21	-0.07
		105	3.15	0.86	-0.74	0.47	-0.36	-0.68	0.51	0.10	0.47	0.14	0.12
		220	3.51	0.87	-0.61	0.03	0.23	0.73	0.12	-0.36	-0.30	0.06	-0.16
176	1	220	17.16	-2.80	-8.18	-8.18	-2.81	0.15	-0.37	-1.83	-1.81	-0.39	0.15
		105	22.23	6.35	-5.41	-4.32	5.26	3.40	1.65	-0.67	1.56	-0.58	-0.45
		199	9.62	5.00	-1.23	-0.50	4.27	-2.01	1.14	0.07	0.25	0.97	0.40
		207	6.04	-0.82	-3.69	-1.79	-2.73	-1.36	0.20	-0.70	-0.69	0.20	-0.04
176	5	220	11.68	-1.84	-5.45	-5.45	-1.84	4.01e-03	-0.24	-1.26	-1.25	-0.25	0.12
		105	15.12	4.25	-3.61	-2.82	3.46	2.36	1.17	-0.43	1.10	-0.37	-0.32
		199	6.43	3.41	-0.89	-0.38	2.90	-1.39	0.74	5.82e-03	0.13	0.62	0.28
		207	3.84	-0.59	-2.47	-1.19	-1.87	-0.88	0.13	-0.42	-0.42	0.13	-0.04
176	20	220	3.30	0.88	-0.56	0.05	0.28	-0.71	0.12	-0.32	-0.25	0.05	0.16
		105	3.39	0.87	-0.80	0.50	-0.43	0.69	0.55	0.11	0.51	0.15	-0.13
		199	1.96	0.52	-0.50	-0.35	0.37	-0.36	-0.15	-0.31	-0.27	-0.20	0.07
		207	2.54	0.07	-0.45	-3.58e-03	-0.38	0.18	0.37	-0.06	0.35	-0.03	-0.09
176	52	220	3.37	0.88	-0.58	0.04	0.26	-0.72	0.12	-0.34	-0.27	0.05	0.16
		105	3.30	0.86	-0.78	0.49	-0.41	0.69	0.54	0.11	0.50	0.15	-0.13
		199	2.00	0.54	-0.50	-0.35	0.39	-0.36	-0.16	-0.32	-0.27	-0.20	0.07
		207	2.51	0.06	-0.46	-6.79e-03	-0.39	0.18	0.37	-0.06	0.34	-0.03	-0.10
177	3	160	16.47	-4.95	-12.44	-5.56	-11.82	-2.05	-0.75	-1.10	-0.76	-1.08	-0.08
		159	14.30	-5.62	-12.22	-6.28	-11.55	1.98	0.17	-0.71	0.17	-0.71	-0.03
		207	10.63	5.13	-4.11	2.48	-1.46	-4.18	0.86	0.23	0.24	0.86	0.06
		208	20.63	4.14	-10.08	1.83	-7.76	5.25	1.25	-0.40	-0.39	1.23	-0.16
177	7	160	11.02	-3.26	-8.27	-3.68	-7.85	-1.39	-0.51	-0.74	-0.52	-0.73	-0.04
		159	9.50	-3.73	-8.19	-4.19	-7.73	1.37	0.12	-0.46	0.12	-0.46	-0.02
		207	7.16	3.45	-2.75	1.68	-0.97	-2.80	0.57	0.14	0.14	0.56	0.04
		208	13.91	2.76	-6.76	1.19	-5.19	3.53	0.86	-0.26	-0.25	0.85	-0.11
177	35	160	1.21	0.39	0.06	0.25	0.21	-0.16	-0.02	-0.15	-0.07	-0.10	0.06
		159	1.03	0.23	-0.44	-0.02	-0.19	0.32	0.11	0.06	0.07	0.10	-0.02
		207	0.94	0.24	-0.07	0.17	2.02e-03	-0.13	-0.04	-0.13	-0.11	-0.06	0.04
		208	1.42	0.10	-0.40	-0.20	-0.10	0.25	0.21	0.06	0.07	0.20	-0.04
177	67	160	1.21	0.39	0.06	0.24	0.21	-0.16	-0.02	-0.15	-0.07	-0.11	0.06
		159	1.06	0.23	-0.44	-0.02	-0.19	0.33	0.11	0.06	0.07	0.10	-0.02
		207	0.95	0.24	-0.06	0.17	3.64e-03	-0.13	-0.03	-0.13	-0.10	-0.06	0.04
		208	1.39	0.10	-0.40	-0.19	-0.11	0.25	0.21	0.06	0.07	0.19	-0.04
178	3	161	14.15	-5.50	-11.93	-6.14	-11.29	-1.93	0.11	-0.74	0.11	-0.74	0.03
		160	16.47	-4.79	-12.64	-5.50	-11.93	2.25	-0.70	-1.07	-0.72	-1.06	0.06
		208	20.61	4.12	-10.00	1.86	-7.74	-5.18	1.23	-0.43	-0.41	1.21	0.17
		210	10.88	5.04	-4.31	2.39	-1.66	4.22	0.89	0.23	0.23	0.88	-0.06
178	7	161	9.40	-3.64	-8.00	-4.10	-7.55	-1.33	0.08	-0.48	0.08	-0.48	0.02
		160	11.01	-3.15	-8.41	-3.64	-7.92	1.52	-0.48	-0.72	-0.48	-0.72	0.03
		208	13.89	2.75	-6.71	1.21	-5.17	-3.48	0.85	-0.28	-0.27	0.83	0.12
		210	7.33	3.39	-2.88	1.61	-1.11	2.83	0.58	0.14	0.14	0.58	-0.04
178	28	161	1.03	0.24	-0.45	-0.03	-0.18	-0.34	0.10	0.05	0.06	0.09	0.02
		160	1.17	0.38	0.07	0.24	0.21	0.16	-4.32e-03	-0.14	-0.05	-0.09	-0.07
		208	1.39	0.11	-0.40	-0.18	-0.11	-0.25	0.20	0.05	0.07	0.19	0.04
		210	0.88	0.23	-0.05	0.17	8.20e-03	0.11	-0.03	-0.12	-0.10	-0.05	-0.04
178	60	161	1.05	0.24	-0.44	-0.02	-0.18	-0.33	0.11	0.05	0.06	0.09	0.02
		160	1.18	0.39	0.07	0.24	0.21	0.16	-8.21e-03	-0.14	-0.05	-0.10	-0.06
		208	1.36	0.11	-0.40	-0.18	-0.11	-0.25	0.20	0.05	0.07	0.18	0.04
		210	0.90	0.23	-0.05	0.17	8.63e-03	0.12	-0.03	-0.12	-0.10	-0.05	-0.04

179	4	212	7.28	4.20	-0.23	2.35	1.62	2.18	0.38	-0.20	0.16	0.01	0.28
		162	14.75	3.64	-7.98	-5.46	1.12	4.79	1.22	-0.05	0.20	0.97	-0.50
		161	20.79	17.14	2.02	15.03	4.12	5.23	0.55	-0.86	0.55	-0.86	-0.03
		210	6.09	0.75	-3.65	0.63	-3.53	-0.72	-0.22	-0.67	-0.67	-0.22	-0.02
179	8	212	5.03	2.75	-0.10	1.60	1.05	1.40	0.30	-0.12	0.16	0.02	0.20
		162	10.02	2.49	-5.36	-3.65	0.78	3.24	0.82	-0.07	0.10	0.65	-0.35
		161	13.99	11.41	1.30	10.00	2.71	3.51	0.39	-0.57	0.38	-0.57	-0.02
		210	4.01	0.49	-2.39	0.42	-2.31	-0.46	-0.16	-0.45	-0.45	-0.16	-0.03
179	15	212	2.54	0.53	-0.45	0.28	-0.20	-0.42	0.42	0.06	0.39	0.09	0.10
		162	2.41	0.51	-0.34	-0.08	0.26	0.39	0.06	-0.31	-0.27	0.02	-0.12
		161	1.01	-0.06	-0.33	-0.13	-0.27	0.12	0.12	-0.03	0.10	-0.02	0.04
		210	1.33	0.38	-0.06	4.94e-03	0.32	0.15	0.02	-0.15	-0.06	-0.07	-0.09
179	47	212	2.61	0.52	-0.46	0.28	-0.22	-0.42	0.43	0.06	0.40	0.10	0.11
		162	2.35	0.51	-0.33	-0.09	0.26	0.39	0.06	-0.30	-0.25	0.01	-0.12
		161	1.04	-0.06	-0.34	-0.13	-0.27	0.12	0.12	-0.04	0.11	-0.02	0.04
		210	1.30	0.37	-0.06	3.59e-03	0.30	0.16	0.03	-0.14	-0.05	-0.06	-0.09
180	2	214	11.28	5.23	-4.20	-1.56	2.59	-4.23	0.92	0.26	0.90	0.28	0.11
		163	13.71	-6.15	-11.76	-11.38	-6.53	1.41	0.02	-0.70	-0.70	0.02	-0.04
		162	17.53	-4.69	-13.00	-12.21	-5.48	-2.43	-0.66	-1.24	-1.24	-0.66	6.93e-03
		212	22.24	4.32	-9.85	-7.29	1.76	5.45	1.55	-0.39	1.51	-0.36	-0.26
180	6	214	7.65	3.53	-2.81	-1.04	1.76	-2.84	0.61	0.16	0.59	0.18	0.09
		163	9.05	-4.14	-7.85	-7.60	-4.39	0.92	9.95e-03	-0.45	-0.45	7.51e-03	-0.03
		162	11.85	-3.07	-8.70	-8.16	-3.62	-1.67	-0.44	-0.86	-0.86	-0.44	0.02
		212	15.14	2.90	-6.58	-4.82	1.14	3.69	1.09	-0.25	1.06	-0.23	-0.19
180	23	214	1.24	0.33	-0.08	2.42e-04	0.25	-0.16	0.04	-0.12	-0.02	-0.05	0.08
		163	1.12	-0.07	-0.36	-0.14	-0.28	-0.13	0.14	-0.04	0.13	-0.04	-0.03
		162	2.20	0.52	-0.33	-0.09	0.28	-0.38	0.06	-0.27	-0.21	1.10e-03	0.12
		212	2.80	0.51	-0.50	0.28	-0.27	0.43	0.47	0.07	0.43	0.11	-0.12
180	55	214	1.26	0.34	-0.07	1.56e-03	0.27	-0.16	0.04	-0.13	-0.03	-0.06	0.08
		163	1.09	-0.07	-0.35	-0.14	-0.28	-0.12	0.13	-0.04	0.12	-0.03	-0.03
		162	2.25	0.51	-0.33	-0.09	0.27	-0.38	0.06	-0.28	-0.23	5.66e-03	0.12
		212	2.73	0.51	-0.49	0.28	-0.25	0.43	0.46	0.07	0.42	0.11	-0.11
181	4	214	10.89	5.04	-4.31	2.39	-1.66	-4.22	0.89	0.23	0.23	0.88	0.06
		216	20.62	4.12	-10.00	1.86	-7.74	5.18	1.23	-0.43	-0.41	1.21	-0.17
		164	16.47	-4.79	-12.64	-5.50	-11.93	-2.25	-0.70	-1.07	-0.71	-1.06	-0.06
		163	14.16	-5.50	-11.93	-6.14	-11.29	1.93	0.11	-0.74	0.11	-0.74	-0.03
181	8	214	7.33	3.39	-2.88	1.61	-1.11	-2.83	0.59	0.14	0.14	0.58	0.04
		216	13.89	2.75	-6.71	1.21	-5.17	3.48	0.85	-0.28	-0.27	0.83	-0.12
		164	11.01	-3.15	-8.41	-3.64	-7.92	-1.52	-0.48	-0.72	-0.48	-0.72	-0.03
		163	9.41	-3.64	-8.00	-4.10	-7.55	1.33	0.08	-0.48	0.08	-0.48	-0.02
181	30	214	0.89	0.23	-0.05	0.17	8.50e-03	-0.12	-0.03	-0.12	-0.10	-0.05	0.04
		216	1.39	0.11	-0.40	-0.18	-0.11	0.25	0.20	0.05	0.07	0.19	-0.04
		164	1.17	0.38	0.07	0.24	0.21	-0.16	-3.99e-03	-0.14	-0.05	-0.09	0.07
		163	1.03	0.24	-0.45	-0.03	-0.18	0.34	0.10	0.05	0.06	0.09	-0.02
181	62	214	0.90	0.23	-0.05	0.17	8.93e-03	-0.12	-0.03	-0.12	-0.10	-0.05	0.04
		216	1.36	0.11	-0.40	-0.18	-0.11	0.25	0.20	0.05	0.07	0.18	-0.04
		164	1.18	0.39	0.06	0.24	0.21	-0.16	-7.88e-03	-0.14	-0.05	-0.10	0.06
		163	1.05	0.24	-0.44	-0.02	-0.18	0.33	0.11	0.05	0.06	0.09	-0.02
182	2	216	6.37	4.27	-0.65	1.72	1.90	2.46	0.11	-0.28	-0.03	-0.13	0.19
		218	6.09	0.64	-3.85	-3.73	0.52	-0.73	-0.28	-0.68	-0.28	-0.68	0.03
		165	19.77	16.92	2.72	4.51	15.12	4.72	0.52	-0.76	-0.75	0.52	-0.05
		164	14.04	3.53	-7.61	1.09	-5.18	4.61	1.14	0.13	0.89	0.38	-0.43
182	6	216	4.26	2.79	-0.42	1.12	1.25	1.60	0.10	-0.17	-0.01	-0.06	0.13
		218	4.00	0.43	-2.54	-2.47	0.35	-0.47	-0.20	-0.46	-0.20	-0.46	0.01
		165	13.19	11.23	1.83	3.00	10.06	3.10	0.36	-0.49	-0.49	0.36	-0.03
		164	9.42	2.40	-5.06	0.76	-3.42	3.09	0.76	0.07	0.59	0.24	-0.30

182	19	216	1.38	0.12	-0.40	-0.17	-0.11	-0.26	0.20	0.05	0.07	0.18	0.04
		218	0.91	0.23	-0.05	0.18	-2.50e-04	0.11	-0.05	-0.13	-0.11	-0.08	-0.04
		165	1.01	0.25	-0.46	-0.02	-0.19	-0.34	0.10	0.05	0.08	0.08	0.02
		164	1.25	0.37	0.08	0.24	0.21	0.14	-0.01	-0.16	-0.06	-0.11	-0.07
182	51	216	1.37	0.11	-0.40	-0.18	-0.11	-0.25	0.20	0.06	0.07	0.19	0.04
		218	0.93	0.23	-0.06	0.17	2.69e-03	0.12	-0.04	-0.13	-0.10	-0.07	-0.04
		165	1.05	0.24	-0.45	-0.02	-0.19	-0.34	0.11	0.06	0.08	0.09	0.02
		164	1.23	0.38	0.07	0.24	0.21	0.15	-0.02	-0.16	-0.07	-0.11	-0.06
183	1	165	13.73	-6.21	-11.69	-11.35	-6.55	-1.32	-3.25e-03	-0.72	-0.71	-5.01e-03	0.04
		218	11.33	5.24	-4.24	-1.57	2.58	4.26	0.93	0.28	0.91	0.29	-0.11
		220	22.16	4.35	-9.76	-7.21	1.80	-5.43	1.55	-0.39	1.51	-0.36	0.26
		166	17.61	-4.75	-13.12	-12.33	-5.54	2.44	-0.63	-1.24	-1.24	-0.63	-5.59e-03
183	5	165	9.08	-4.19	-7.80	-7.58	-4.41	-0.87	-6.30e-03	-0.46	-0.46	-8.05e-03	0.03
		218	7.68	3.54	-2.83	-1.05	1.76	2.86	0.62	0.17	0.60	0.19	-0.08
		220	15.10	2.93	-6.53	-4.77	1.17	-3.68	1.09	-0.25	1.06	-0.22	0.19
		166	11.90	-3.11	-8.78	-8.23	-3.66	1.68	-0.42	-0.86	-0.86	-0.42	-0.02
183	10	165	1.07	-0.07	-0.34	-0.15	-0.26	0.12	0.13	-0.05	0.12	-0.05	0.02
		218	1.19	0.31	-0.07	-7.82e-04	0.24	0.15	0.05	-0.11	-0.01	-0.05	-0.08
		220	2.87	0.52	-0.52	0.28	-0.28	-0.44	0.48	0.07	0.44	0.11	0.12
		166	2.17	0.50	-0.32	-0.09	0.28	0.37	0.06	-0.26	-0.21	2.72e-03	-0.12
183	42	165	1.06	-0.07	-0.35	-0.15	-0.27	0.12	0.12	-0.05	0.12	-0.04	0.03
		218	1.23	0.33	-0.07	9.99e-04	0.26	0.15	0.05	-0.12	-0.02	-0.05	-0.08
		220	2.78	0.52	-0.49	0.28	-0.25	-0.43	0.46	0.07	0.43	0.11	0.12
		166	2.23	0.50	-0.33	-0.10	0.27	0.37	0.06	-0.28	-0.23	8.20e-03	-0.12
184	1	166	17.61	-4.75	-13.12	-12.33	-5.54	-2.45	-0.63	-1.24	-1.24	-0.63	5.51e-03
		220	22.16	4.35	-9.76	-7.21	1.80	5.44	1.55	-0.39	1.51	-0.36	-0.26
		207	11.32	5.24	-4.24	-1.57	2.58	-4.26	0.93	0.28	0.91	0.29	0.11
		159	13.73	-6.21	-11.69	-11.35	-6.56	1.32	-3.82e-03	-0.72	-0.71	-5.56e-03	-0.04
184	5	166	11.90	-3.10	-8.78	-8.23	-3.66	-1.68	-0.42	-0.86	-0.86	-0.42	0.02
		220	15.09	2.93	-6.53	-4.77	1.17	3.68	1.09	-0.25	1.06	-0.22	-0.19
		207	7.68	3.54	-2.83	-1.05	1.76	-2.86	0.62	0.17	0.60	0.19	0.08
		159	9.07	-4.19	-7.80	-7.58	-4.41	0.87	-6.74e-03	-0.46	-0.46	-8.47e-03	-0.03
184	16	166	2.17	0.50	-0.32	-0.09	0.28	-0.37	0.06	-0.26	-0.21	3.22e-03	0.12
		220	2.87	0.52	-0.52	0.28	-0.28	0.44	0.48	0.07	0.44	0.11	-0.12
		207	1.18	0.31	-0.07	-1.19e-03	0.24	-0.15	0.05	-0.11	-0.01	-0.05	0.08
		159	1.08	-0.07	-0.34	-0.15	-0.26	-0.12	0.13	-0.05	0.12	-0.05	-0.02
184	48	166	2.23	0.50	-0.33	-0.09	0.27	-0.37	0.06	-0.28	-0.23	8.71e-03	0.12
		220	2.78	0.52	-0.50	0.28	-0.26	0.43	0.46	0.07	0.43	0.11	-0.11
		207	1.23	0.33	-0.07	6.06e-04	0.26	-0.15	0.04	-0.12	-0.02	-0.05	0.08
		159	1.06	-0.07	-0.35	-0.15	-0.27	-0.12	0.12	-0.05	0.12	-0.04	-0.03
185	2	177	7.56	4.74	-3.39	0.28	1.08	4.05	0.01	-0.43	-0.43	0.01	-0.01
		176	9.64	3.75	-3.32	-3.04	3.47	1.39	0.40	-0.30	0.40	-0.30	-0.03
		159	16.68	14.22	3.46	4.54	13.14	3.23	0.34	-0.91	-0.91	0.34	0.01
		160	8.34	0.63	-3.17	-0.03	-2.51	1.44	1.14	0.02	1.13	0.03	-0.08
185	6	177	5.02	3.17	-2.26	0.19	0.72	2.70	-9.42e-04	-0.28	-0.28	-1.04e-03	-5.23e-03
		176	6.41	2.50	-2.21	-2.03	2.32	0.91	0.27	-0.20	0.26	-0.20	-0.02
		159	11.10	9.47	2.30	3.02	8.75	2.16	0.23	-0.61	-0.61	0.22	8.55e-03
		160	5.47	0.42	-2.07	-0.02	-1.63	0.95	0.76	0.02	0.75	0.03	-0.06
185	14	177	0.59	0.04	-0.02	1.13e-03	0.02	0.03	0.04	-0.07	0.03	-0.06	0.03
		176	0.19	0.09	-0.07	0.02	5.96e-03	-0.08	-3.81e-03	-0.01	-9.63e-03	-5.92e-03	3.50e-03
		159	0.24	9.86e-03	-0.12	-0.01	-0.10	0.05	0.01	-0.03	5.66e-03	-0.02	-0.01
		160	0.98	0.30	-0.02	-4.97e-04	0.28	-0.07	0.09	-0.04	-0.02	0.08	-0.04
185	46	177	0.57	0.04	-0.02	-8.70e-04	0.02	0.03	0.04	-0.07	0.03	-0.06	0.03
		176	0.16	0.09	-0.07	0.01	7.45e-03	-0.08	3.21e-04	-9.15e-03	-8.95e-03	1.18e-04	-1.37e-03
		159	0.20	0.01	-0.12	-7.90e-03	-0.10	0.05	7.94e-03	-0.02	4.67e-03	-0.01	-8.61e-03
		160	0.94	0.30	-0.01	4.75e-03	0.28	-0.07	0.09	-0.03	-0.02	0.07	-0.04

186	1	179	9.61	3.76	-3.32	-3.05	3.48	-1.36	0.39	-0.30	0.39	-0.30	0.03
		177	7.54	4.76	-3.40	0.25	1.11	-4.06	0.02	-0.41	-0.41	0.02	0.01
		160	8.18	0.67	-3.05	0.01	-2.39	-1.42	1.12	0.02	1.11	0.03	0.09
		161	16.64	14.22	3.47	4.55	13.14	-3.23	0.35	-0.90	-0.90	0.34	-8.56e-03
186	8	179	8.20	4.34	-3.31	-2.05	3.08	2.83	-0.06	-0.36	-0.32	-0.10	0.10
		177	8.96	5.37	-2.90	-2.65	5.12	-1.42	0.15	-0.21	0.14	-0.21	-0.02
		160	11.08	10.54	3.78	4.38	9.94	1.92	0.26	-0.25	-0.24	0.25	0.08
		161	8.25	7.91	3.23	3.41	7.73	-0.90	0.45	0.10	0.37	0.17	-0.14
186	21	179	0.17	0.09	-0.07	9.51e-03	0.02	0.08	-7.31e-03	-0.01	-1.00e-02	-7.83e-03	-1.19e-03
		177	0.56	0.05	-0.03	-4.46e-03	0.03	-0.03	0.05	-0.06	0.04	-0.05	-0.03
		160	0.96	0.30	-2.81e-03	0.02	0.28	0.08	0.08	-0.04	-0.03	0.07	0.04
		161	0.21	0.03	-0.11	8.64e-03	-0.09	-0.05	0.01	-0.02	7.31e-03	-0.01	0.01
186	53	179	0.17	0.09	-0.07	0.01	0.01	0.08	-2.49e-03	-0.01	-0.01	-3.13e-03	2.31e-03
		177	0.55	0.05	-0.03	-3.69e-03	0.03	-0.03	0.05	-0.06	0.04	-0.05	-0.03
		160	0.92	0.30	-7.52e-03	0.01	0.28	0.08	0.08	-0.04	-0.03	0.07	0.04
		161	0.18	0.03	-0.11	3.86e-03	-0.09	-0.05	0.01	-0.01	8.04e-03	-9.22e-03	7.72e-03
187	1	181	13.36	7.96	-4.07	-3.71	7.61	2.04	0.18	-0.41	0.17	-0.40	0.06
		179	12.48	6.47	-4.97	-3.12	4.62	-4.21	-0.09	-0.57	-0.50	-0.16	-0.17
		161	12.90	12.09	4.87	5.17	11.78	1.45	0.75	0.11	0.60	0.26	0.27
		162	16.57	15.13	5.36	6.19	14.30	-2.72	0.48	-0.37	-0.34	0.45	-0.15
187	5	181	8.98	5.30	-2.68	-2.45	5.07	1.35	0.12	-0.29	0.12	-0.28	0.04
		179	8.37	4.32	-3.32	-2.08	3.08	-2.81	-0.06	-0.39	-0.34	-0.11	-0.12
		161	8.63	8.06	3.24	3.45	7.84	0.99	0.51	0.07	0.41	0.18	0.18
		162	11.18	10.07	3.54	4.09	9.52	-1.81	0.34	-0.25	-0.23	0.32	-0.11
187	10	181	1.02	0.21	-0.03	0.20	-0.02	-0.05	0.04	-0.13	0.02	-0.12	0.05
		179	0.38	0.07	-0.07	0.02	-9.79e-03	-0.07	6.26e-03	-0.05	-0.04	1.12e-03	-0.02
		161	0.60	0.08	-0.17	-0.01	-0.08	0.12	0.07	-3.62e-03	0.06	5.93e-03	0.02
		162	1.36	-0.10	-0.30	-0.30	-0.10	0.03	0.17	-0.06	-0.04	0.15	-0.07
187	42	181	1.04	0.21	-0.03	0.20	-0.02	-0.05	0.04	-0.14	0.02	-0.12	0.05
		179	0.40	0.07	-0.07	0.01	-0.01	-0.07	5.17e-03	-0.05	-0.04	-2.52e-03	-0.02
		161	0.65	0.09	-0.17	-2.64e-03	-0.08	0.12	0.07	-9.51e-03	0.06	2.29e-03	0.03
		162	1.29	-0.10	-0.29	-0.29	-0.10	0.03	0.16	-0.06	-0.04	0.14	-0.06
188	1	181	13.36	7.96	-4.07	-3.71	7.61	2.04	0.41	-0.18	-0.17	0.40	-0.06
		191	12.47	6.47	-4.97	-3.12	4.62	-4.21	0.57	0.09	0.50	0.16	0.17
		163	12.90	12.09	4.87	5.17	11.78	1.45	-0.11	-0.75	-0.60	-0.26	-0.27
		162	16.57	15.13	5.36	6.19	14.30	-2.72	0.37	-0.48	0.34	-0.45	0.15
188	5	181	8.98	5.30	-2.68	-2.45	5.07	1.35	0.29	-0.12	-0.12	0.28	-0.04
		191	8.37	4.32	-3.32	-2.08	3.08	-2.81	0.39	0.06	0.34	0.11	0.12
		163	8.63	8.06	3.24	3.45	7.84	0.99	-0.07	-0.51	-0.41	-0.18	-0.18
		162	11.18	10.07	3.54	4.09	9.52	-1.81	0.25	-0.34	0.23	-0.32	0.11
188	16	181	1.02	0.21	-0.03	0.20	-0.02	-0.05	0.13	-0.04	-0.02	0.12	-0.05
		191	0.38	0.07	-0.07	0.02	-9.74e-03	-0.07	0.05	-6.29e-03	0.04	-1.07e-03	0.02
		163	0.59	0.08	-0.17	-0.02	-0.08	0.12	3.74e-03	-0.07	-0.06	-5.95e-03	-0.02
		162	1.36	-0.10	-0.30	-0.30	-0.10	0.03	0.06	-0.17	0.04	-0.15	0.07
188	48	181	1.04	0.21	-0.03	0.20	-0.02	-0.05	0.14	-0.03	-0.02	0.12	-0.05
		191	0.40	0.07	-0.07	0.01	-0.01	-0.07	0.05	-5.24e-03	0.04	2.55e-03	0.02
		163	0.65	0.09	-0.17	-3.14e-03	-0.08	0.12	9.65e-03	-0.07	-0.06	-2.32e-03	-0.03
		162	1.29	-0.10	-0.29	-0.29	-0.10	0.03	0.06	-0.16	0.04	-0.14	0.06
189	1	191	9.62	3.76	-3.32	-3.05	3.48	-1.36	0.30	-0.39	-0.39	0.30	-0.03
		193	7.55	4.76	-3.40	0.25	1.11	-4.06	0.41	-0.02	0.41	-0.02	-0.01
		164	8.18	0.67	-3.05	0.01	-2.39	-1.42	-0.02	-1.12	-1.11	-0.03	-0.09
		163	16.64	14.22	3.47	4.55	13.14	-3.23	0.89	-0.35	0.89	-0.35	8.81e-03
189	7	191	8.20	4.34	-3.31	-2.05	3.08	2.83	0.36	0.06	0.32	0.10	-0.10
		193	8.96	5.37	-2.90	-2.65	5.12	-1.42	0.21	-0.15	-0.14	0.21	0.02
		164	11.08	10.54	3.78	4.38	9.94	1.92	0.25	-0.26	0.24	-0.25	-0.08
		163	8.26	7.91	3.23	3.41	7.73	-0.90	-0.10	-0.45	-0.37	-0.17	0.14

189	19	191	0.17	0.09	-0.07	9.76e-03	0.02	0.08	0.01	7.85e-03	0.01	8.31e-03	1.02e-03
		193	0.56	0.05	-0.03	-4.41e-03	0.03	-0.03	0.06	-0.05	-0.04	0.05	0.03
		164	0.96	0.30	-2.89e-03	0.02	0.28	0.08	0.04	-0.08	0.03	-0.07	-0.04
		163	0.21	0.03	-0.11	8.30e-03	-0.09	-0.05	0.02	-0.01	-7.55e-03	0.01	-0.01
189	51	191	0.17	0.09	-0.07	0.01	0.01	0.08	0.01	2.87e-03	0.01	3.63e-03	-2.46e-03
		193	0.55	0.05	-0.03	-3.65e-03	0.03	-0.03	0.06	-0.05	-0.04	0.05	0.03
		164	0.92	0.30	-7.60e-03	0.01	0.28	0.08	0.04	-0.08	0.03	-0.07	-0.04
		163	0.17	0.03	-0.11	3.51e-03	-0.09	-0.05	0.01	-0.01	-8.27e-03	8.66e-03	-7.50e-03
190	2	193	7.56	4.74	-3.39	0.28	1.08	4.05	0.43	-0.01	0.43	-0.01	0.01
		195	9.64	3.76	-3.32	-3.04	3.47	1.39	0.30	-0.40	-0.40	0.30	0.03
		165	16.69	14.22	3.46	4.54	13.14	3.23	0.91	-0.34	0.91	-0.34	-0.01
		164	8.34	0.63	-3.17	-0.03	-2.51	1.44	-0.02	-1.14	-1.13	-0.03	0.08
190	6	193	5.02	3.17	-2.26	0.19	0.72	2.70	0.28	9.56e-04	0.28	1.05e-03	5.16e-03
		195	6.41	2.50	-2.21	-2.03	2.32	0.91	0.20	-0.27	-0.26	0.20	0.02
		165	11.11	9.47	2.30	3.02	8.75	2.16	0.61	-0.23	0.61	-0.23	-8.74e-03
		164	5.47	0.42	-2.07	-0.02	-1.63	0.95	-0.02	-0.76	-0.75	-0.03	0.06
190	12	193	0.59	0.04	-0.02	1.17e-03	0.02	0.03	0.07	-0.04	-0.03	0.06	-0.03
		195	0.19	0.09	-0.07	0.02	6.04e-03	-0.08	0.01	4.34e-03	9.75e-03	6.39e-03	-3.34e-03
		165	0.24	9.57e-03	-0.12	-0.01	-0.10	0.05	0.03	-0.01	-5.87e-03	0.02	0.01
		164	0.98	0.29	-0.02	-5.22e-04	0.28	-0.07	0.04	-0.09	0.02	-0.08	0.04
190	44	193	0.57	0.04	-0.02	-8.31e-04	0.02	0.03	0.07	-0.04	-0.03	0.06	-0.03
		195	0.16	0.09	-0.07	0.01	7.53e-03	-0.08	9.33e-03	1.18e-04	9.07e-03	3.76e-04	1.52e-03
		165	0.19	0.01	-0.12	-8.24e-03	-0.10	0.05	0.02	-8.06e-03	-4.89e-03	0.01	8.39e-03
		164	0.94	0.30	-0.01	4.73e-03	0.28	-0.07	0.03	-0.09	0.02	-0.07	0.04
191	3	195	9.73	3.77	-3.37	-3.08	3.48	-1.40	0.33	-0.37	-0.37	0.32	-0.05
		197	7.51	4.76	-3.20	0.51	1.04	-3.97	0.45	0.08	0.45	0.08	0.02
		166	7.83	0.37	-3.71	-0.37	-2.96	-1.58	-0.11	-1.13	-1.12	-0.12	-0.12
		165	17.02	14.44	3.48	4.61	13.31	-3.33	0.85	-0.37	0.85	-0.36	0.06
191	7	195	6.47	2.51	-2.24	-2.05	2.32	-0.92	0.22	-0.24	-0.24	0.22	-0.04
		197	5.02	3.17	-2.12	0.37	0.69	-2.64	0.30	0.07	0.30	0.07	0.02
		166	5.07	0.22	-2.49	-0.29	-1.99	-1.06	-0.09	-0.75	-0.74	-0.10	-0.09
		165	11.34	9.63	2.31	3.07	8.86	-2.24	0.56	-0.25	0.56	-0.24	0.05
191	21	195	0.35	0.06	-0.06	0.02	-0.02	0.06	0.05	-9.36e-04	0.05	3.43e-03	-0.01
		197	1.03	0.22	-0.04	0.20	-0.02	0.05	0.13	-0.04	-0.02	0.11	0.05
		166	1.37	-0.10	-0.31	-0.30	-0.11	-0.04	0.06	-0.18	0.04	-0.16	-0.07
		165	0.59	0.07	-0.18	-0.02	-0.08	-0.12	-4.80e-03	-0.07	-0.06	-0.01	0.02
191	53	195	0.38	0.06	-0.06	0.01	-0.02	0.06	0.05	5.96e-04	0.05	8.08e-03	-0.02
		197	1.05	0.21	-0.04	0.20	-0.02	0.05	0.14	-0.04	-0.02	0.12	0.05
		166	1.30	-0.10	-0.30	-0.29	-0.11	-0.04	0.06	-0.17	0.04	-0.15	-0.06
		165	0.64	0.08	-0.17	-6.91e-03	-0.08	-0.12	2.66e-03	-0.08	-0.06	-9.44e-03	0.03
192	4	176	9.73	3.77	-3.37	-3.08	3.48	-1.40	0.37	-0.33	0.37	-0.32	0.05
		197	7.51	4.76	-3.20	0.51	1.04	-3.97	-0.08	-0.45	-0.45	-0.08	-0.02
		166	7.83	0.37	-3.71	-0.37	-2.96	-1.58	1.13	0.11	1.12	0.12	0.12
		159	17.01	14.44	3.48	4.61	13.31	-3.33	0.37	-0.85	-0.85	0.36	-0.06
192	8	176	6.46	2.50	-2.24	-2.06	2.32	-0.92	0.24	-0.22	0.24	-0.22	0.04
		197	5.02	3.17	-2.12	0.37	0.69	-2.64	-0.07	-0.30	-0.30	-0.07	-0.02
		166	5.07	0.22	-2.49	-0.29	-1.99	-1.06	0.75	0.09	0.74	0.10	0.09
		159	11.34	9.63	2.31	3.07	8.86	-2.24	0.25	-0.56	-0.56	0.24	-0.05
192	19	176	0.35	0.06	-0.06	0.02	-0.02	0.06	9.15e-04	-0.05	-0.05	-3.38e-03	0.01
		197	1.03	0.22	-0.04	0.20	-0.02	0.05	0.04	-0.13	0.02	-0.11	-0.05
		166	1.38	-0.10	-0.31	-0.30	-0.11	-0.04	0.18	-0.06	-0.04	0.16	0.07
		159	0.59	0.07	-0.18	-0.02	-0.08	-0.12	0.07	4.93e-03	0.07	0.01	-0.02
192	51	176	0.38	0.06	-0.06	0.01	-0.02	0.06	-6.70e-04	-0.05	-0.05	-8.05e-03	0.02
		197	1.05	0.21	-0.04	0.20	-0.02	0.05	0.04	-0.14	0.02	-0.12	-0.05
		166	1.30	-0.10	-0.30	-0.29	-0.11	-0.04	0.17	-0.06	-0.04	0.15	0.06
		159	0.64	0.08	-0.17	-6.42e-03	-0.08	-0.12	0.08	-2.51e-03	0.07	9.41e-03	-0.03

193	4	209	4.58	1.90	-0.75	-0.49	1.64	0.79	0.04	-0.39	0.04	-0.39	-5.38e-03
		206	3.42	2.29	-1.18	-0.30	1.41	-1.52	-0.13	-0.26	-0.26	-0.13	2.07e-03
		176	5.85	4.52	0.55	0.59	4.48	-0.41	0.21	-0.16	-0.16	0.20	0.05
		177	9.16	7.15	0.38	0.61	6.92	-1.21	0.44	0.15	0.15	0.44	4.94e-04
193	8	209	3.09	1.27	-0.50	-0.32	1.10	0.53	0.03	-0.26	0.03	-0.26	-2.36e-03
		206	2.29	1.53	-0.79	-0.20	0.93	-1.01	-0.09	-0.17	-0.17	-0.09	7.84e-04
		176	3.90	3.01	0.37	0.39	2.99	-0.27	0.14	-0.11	-0.10	0.13	0.03
		177	6.15	4.77	0.25	0.40	4.62	-0.81	0.30	0.10	0.10	0.30	-1.26e-03
193	20	209	0.37	0.02	8.89e-03	0.02	0.01	-3.50e-03	0.01	-0.05	5.76e-03	-0.05	0.02
		206	0.09	0.02	-0.03	0.01	-0.02	-0.02	2.78e-03	-0.01	1.23e-03	-9.71e-03	4.40e-03
		176	0.13	0.03	-0.03	-0.02	0.02	0.02	1.26e-03	-0.01	1.13e-03	-0.01	-1.38e-03
		177	0.42	0.01	-0.03	-0.03	9.96e-03	-3.89e-03	0.07	4.19e-03	0.01	0.06	-0.02
193	52	209	0.36	0.02	8.46e-03	0.02	9.38e-03	-3.04e-03	8.64e-03	-0.05	5.58e-03	-0.05	0.01
		206	0.07	0.02	-0.03	0.01	-0.02	-0.02	1.05e-03	-3.93e-03	1.04e-03	-3.92e-03	-2.17e-04
		176	0.08	0.03	-0.02	-0.02	0.02	0.02	1.78e-03	-8.71e-03	3.79e-04	-7.31e-03	3.57e-03
		177	0.38	9.49e-03	-0.03	-0.02	9.14e-03	-3.43e-03	0.06	6.27e-03	0.01	0.06	-0.02
194	4	211	3.45	2.30	-1.17	-0.29	1.42	1.51	-0.13	-0.27	-0.27	-0.13	-3.18e-03
		209	4.51	1.90	-0.74	-0.49	1.64	-0.78	0.04	-0.37	0.04	-0.37	2.29e-03
		177	9.11	7.15	0.38	0.61	6.93	1.22	0.43	0.14	0.14	0.43	-1.45e-03
		179	5.84	4.47	0.54	0.59	4.43	0.41	0.20	-0.18	-0.17	0.20	-0.05
194	8	211	2.31	1.54	-0.78	-0.19	0.94	1.01	-0.09	-0.18	-0.18	-0.09	-1.55e-03
		209	3.04	1.27	-0.49	-0.32	1.09	-0.52	0.03	-0.26	0.03	-0.26	2.39e-04
		177	6.11	4.77	0.25	0.40	4.62	0.82	0.29	0.10	0.10	0.29	6.30e-04
		179	3.90	2.98	0.36	0.39	2.95	0.27	0.14	-0.12	-0.12	0.13	-0.03
194	16	211	0.12	0.02	-0.03	0.01	-0.02	0.02	2.42e-04	-0.01	1.44e-04	-0.01	-1.20e-03
		209	0.36	0.02	7.18e-03	0.02	8.07e-03	-2.98e-03	9.94e-03	-0.05	6.05e-03	-0.05	-0.02
		177	0.31	6.68e-03	-0.02	-0.02	6.58e-03	1.73e-03	0.05	1.07e-03	8.80e-03	0.04	0.02
		179	0.08	0.04	-0.02	-0.01	0.03	-0.02	2.29e-04	-7.91e-03	-2.47e-04	-7.43e-03	-1.91e-03
194	48	211	0.10	0.02	-0.03	0.01	-0.02	0.02	4.81e-04	-9.26e-03	1.87e-04	-8.97e-03	1.67e-03
		209	0.33	0.02	8.40e-03	0.02	8.63e-03	-1.49e-03	8.80e-03	-0.05	6.09e-03	-0.05	-0.01
		177	0.31	7.49e-03	-0.02	-0.02	7.14e-03	3.22e-03	0.05	3.92e-03	9.27e-03	0.04	0.01
		179	0.09	0.04	-0.02	-0.01	0.03	-0.02	4.31e-03	-5.99e-03	2.18e-04	-1.90e-03	-5.04e-03
195	1	213	4.92	1.93	-0.65	-0.42	1.70	0.73	0.03	-0.46	0.03	-0.46	9.21e-03
		211	3.56	2.29	-1.20	-0.30	1.39	-1.53	-0.14	-0.28	-0.28	-0.14	-9.78e-03
		179	5.88	4.51	0.57	0.60	4.48	-0.36	0.22	-0.16	-0.15	0.21	0.06
		181	9.63	7.00	0.33	0.53	6.80	-1.14	0.52	0.10	0.10	0.51	-0.02
195	5	213	3.36	1.29	-0.42	-0.27	1.14	0.48	0.02	-0.32	0.02	-0.32	8.75e-03
		211	2.39	1.53	-0.81	-0.20	0.92	-1.02	-0.10	-0.19	-0.18	-0.10	-8.33e-03
		179	3.93	3.01	0.38	0.40	2.99	-0.23	0.15	-0.10	-0.10	0.14	0.04
		181	6.51	4.66	0.21	0.35	4.53	-0.75	0.36	0.06	0.06	0.36	-0.01
195	22	213	0.69	0.11	0.02	0.07	0.05	-0.04	8.90e-03	-0.10	2.30e-03	-0.10	0.03
		211	0.14	0.02	-0.05	0.01	-0.04	-0.03	9.22e-04	-0.01	-8.68e-03	-4.30e-03	-7.08e-03
		179	0.22	0.08	-0.05	-0.02	0.05	0.06	0.02	6.92e-03	0.01	0.02	7.36e-03
		181	0.98	-0.02	-0.14	-0.09	-0.08	0.06	0.13	-0.03	-0.02	0.13	-0.03
195	54	213	0.71	0.11	0.02	0.07	0.05	-0.04	7.08e-03	-0.11	2.35e-03	-0.10	0.02
		211	0.18	0.02	-0.06	9.05e-03	-0.04	-0.03	2.19e-03	-0.02	-8.63e-03	-7.93e-03	-0.01
		179	0.24	0.08	-0.05	-0.01	0.05	0.06	0.02	2.06e-03	0.01	0.01	0.01
		181	0.92	-0.02	-0.14	-0.08	-0.08	0.06	0.13	-0.03	-0.02	0.12	-0.03
196	1	213	4.92	1.93	-0.65	-0.42	1.70	0.73	0.46	-0.03	-0.03	0.46	-9.24e-03
		215	3.56	2.29	-1.20	-0.30	1.39	-1.53	0.28	0.14	0.28	0.14	9.82e-03
		191	5.88	4.51	0.57	0.60	4.48	-0.36	0.16	-0.22	0.15	-0.21	-0.06
		181	9.63	7.00	0.33	0.53	6.80	-1.14	-0.10	-0.52	-0.10	-0.51	0.02
196	5	213	3.36	1.29	-0.42	-0.27	1.14	0.48	0.32	-0.02	-0.02	0.32	-8.77e-03
		215	2.39	1.53	-0.81	-0.20	0.92	-1.02	0.19	0.10	0.18	0.10	8.36e-03
		191	3.93	3.01	0.38	0.40	2.99	-0.23	0.10	-0.15	0.10	-0.14	-0.04
		181	6.52	4.66	0.21	0.35	4.53	-0.75	-0.06	-0.36	-0.06	-0.36	0.02

196	20	213	0.69	0.11	0.02	0.07	0.05	-0.04	0.10	-8.83e-03	-2.21e-03	0.10	-0.03
		215	0.14	0.02	-0.05	0.01	-0.04	-0.03	0.01	-9.30e-04	8.62e-03	4.32e-03	7.09e-03
		191	0.22	0.08	-0.05	-0.02	0.05	0.06	-6.84e-03	-0.02	-0.01	-0.02	-7.38e-03
		181	0.98	-0.02	-0.14	-0.09	-0.08	0.06	0.03	-0.13	0.02	-0.13	0.03
196	52	213	0.72	0.11	0.02	0.07	0.05	-0.04	0.11	-7.00e-03	-2.27e-03	0.10	-0.02
		215	0.18	0.02	-0.06	9.19e-03	-0.04	-0.03	0.02	-2.23e-03	8.57e-03	7.95e-03	0.01
		191	0.24	0.08	-0.05	-0.01	0.05	0.06	-1.98e-03	-0.02	-0.01	-0.01	-0.01
		181	0.92	-0.02	-0.14	-0.08	-0.08	0.06	0.03	-0.13	0.02	-0.12	0.03
197	3	215	3.45	2.30	-1.17	-0.29	1.42	1.51	0.27	0.13	0.27	0.13	3.12e-03
		217	4.51	1.90	-0.74	-0.49	1.64	-0.78	0.37	-0.04	-0.04	0.37	-2.25e-03
		193	9.11	7.15	0.38	0.61	6.93	1.22	-0.14	-0.43	-0.14	-0.43	1.40e-03
		191	5.85	4.47	0.54	0.59	4.42	0.41	0.18	-0.20	0.17	-0.20	0.05
197	7	215	2.30	1.54	-0.78	-0.19	0.94	1.01	0.18	0.09	0.18	0.09	1.50e-03
		217	3.04	1.27	-0.49	-0.32	1.09	-0.52	0.26	-0.03	-0.03	0.26	-2.12e-04
		193	6.11	4.77	0.25	0.40	4.62	0.82	-0.10	-0.29	-0.10	-0.29	-6.68e-04
		191	3.90	2.98	0.36	0.39	2.95	0.27	0.12	-0.14	0.12	-0.13	0.03
197	10	215	0.12	0.02	-0.03	0.01	-0.02	0.02	0.02	-2.05e-04	-1.23e-04	0.01	1.12e-03
		217	0.36	0.02	7.12e-03	0.02	8.00e-03	-2.98e-03	0.05	-9.94e-03	-6.05e-03	0.05	0.02
		193	0.31	6.77e-03	-0.02	-0.02	6.66e-03	1.77e-03	-1.06e-03	-0.05	-8.79e-03	-0.04	-0.02
		191	0.08	0.04	-0.02	-0.01	0.03	-0.02	7.49e-03	-3.52e-04	2.05e-04	6.93e-03	2.01e-03
197	42	215	0.10	0.02	-0.03	0.01	-0.02	0.02	9.71e-03	-4.70e-04	-1.67e-04	9.40e-03	-1.73e-03
		217	0.33	0.02	8.33e-03	0.02	8.56e-03	-1.50e-03	0.05	-8.81e-03	-6.09e-03	0.05	0.01
		193	0.31	7.58e-03	-0.02	-0.02	7.23e-03	3.25e-03	-3.90e-03	-0.05	-9.26e-03	-0.04	-0.01
		191	0.09	0.04	-0.02	-0.01	0.03	-0.02	5.77e-03	-4.61e-03	-2.57e-04	1.41e-03	5.12e-03
198	3	217	4.58	1.90	-0.75	-0.49	1.64	0.79	0.39	-0.04	-0.04	0.39	5.35e-03
		219	3.42	2.29	-1.18	-0.30	1.41	-1.52	0.26	0.13	0.26	0.13	-2.01e-03
		195	5.85	4.52	0.55	0.59	4.48	-0.41	0.16	-0.21	0.16	-0.20	-0.05
		193	9.16	7.15	0.38	0.61	6.92	-1.21	-0.15	-0.44	-0.15	-0.44	-4.44e-04
198	7	217	3.09	1.27	-0.50	-0.32	1.10	0.53	0.26	-0.03	-0.03	0.26	2.33e-03
		219	2.28	1.53	-0.79	-0.20	0.93	-1.01	0.17	0.09	0.17	0.09	-7.36e-04
		195	3.90	3.01	0.37	0.39	2.99	-0.27	0.11	-0.14	0.10	-0.13	-0.03
		193	6.15	4.77	0.25	0.40	4.62	-0.81	-0.10	-0.30	-0.10	-0.30	1.29e-03
198	22	217	0.37	0.02	8.85e-03	0.02	0.01	-3.48e-03	0.05	-0.01	-5.77e-03	0.05	-0.02
		219	0.09	0.02	-0.03	0.01	-0.02	-0.02	0.01	-2.67e-03	-1.21e-03	0.01	-4.32e-03
		195	0.12	0.03	-0.03	-0.02	0.02	0.02	0.01	-1.28e-03	-1.16e-03	0.01	1.28e-03
		193	0.42	0.01	-0.03	-0.03	0.01	-3.91e-03	-4.17e-03	-0.07	-0.01	-0.06	0.02
198	54	217	0.36	0.02	8.41e-03	0.02	9.31e-03	-3.02e-03	0.05	-8.65e-03	-5.58e-03	0.05	-0.01
		219	0.07	0.02	-0.03	0.01	-0.02	-0.02	4.37e-03	-1.03e-03	-1.02e-03	4.36e-03	2.84e-04
		195	0.08	0.03	-0.02	-0.02	0.02	0.02	8.35e-03	-1.94e-03	-4.15e-04	6.83e-03	-3.65e-03
		193	0.38	9.58e-03	-0.03	-0.02	9.23e-03	-3.46e-03	-6.25e-03	-0.06	-0.01	-0.06	0.02
199	2	219	3.53	2.29	-1.20	-0.30	1.38	1.53	0.28	0.15	0.28	0.15	-8.28e-03
		221	4.96	1.92	-0.65	-0.43	1.70	-0.73	0.46	-0.04	-0.04	0.46	9.39e-03
		197	9.66	7.02	0.34	0.54	6.82	1.14	-0.10	-0.52	-0.10	-0.52	-0.02
		195	5.92	4.51	0.57	0.60	4.48	0.37	0.16	-0.23	0.15	-0.22	0.06
199	6	219	2.37	1.52	-0.81	-0.20	0.92	1.02	0.19	0.10	0.19	0.10	-7.28e-03
		221	3.38	1.28	-0.42	-0.27	1.14	-0.48	0.32	-0.02	-0.02	0.32	8.85e-03
		197	6.54	4.67	0.22	0.35	4.54	0.75	-0.06	-0.36	-0.07	-0.36	-0.02
		195	3.96	3.01	0.38	0.40	2.99	0.24	0.10	-0.15	0.10	-0.15	0.04
199	9	219	0.13	0.02	-0.05	0.01	-0.04	0.03	0.01	3.61e-03	8.86e-03	9.37e-03	-5.50e-03
		221	0.69	0.11	0.02	0.07	0.05	0.04	0.10	-9.75e-03	-2.54e-03	0.09	0.03
		197	1.01	-0.02	-0.15	-0.09	-0.08	-0.06	0.03	-0.14	0.02	-0.13	-0.03
		195	0.24	0.08	-0.05	-0.02	0.04	-0.06	-0.01	-0.03	-0.01	-0.03	6.23e-03
199	41	219	0.18	0.02	-0.05	0.01	-0.04	0.03	0.02	1.62e-03	8.89e-03	0.01	-9.50e-03
		221	0.72	0.11	0.02	0.07	0.05	0.05	0.11	-7.42e-03	-2.52e-03	0.10	0.02
		197	0.94	-0.02	-0.14	-0.09	-0.08	-0.06	0.03	-0.13	0.02	-0.12	-0.03
		195	0.25	0.08	-0.05	-0.01	0.04	-0.06	-6.46e-03	-0.03	-0.01	-0.02	0.01

200	2	206	3.53	2.29	-1.20	-0.30	1.38	1.53	-0.15	-0.28	-0.28	-0.15	8.23e-03
		221	4.95	1.92	-0.65	-0.43	1.70	-0.73	0.04	-0.46	0.04	-0.46	-9.35e-03
		197	9.66	7.02	0.34	0.54	6.82	1.14	0.52	0.10	0.10	0.52	0.02
		176	5.92	4.51	0.57	0.60	4.48	0.37	0.23	-0.16	-0.15	0.22	-0.06
200	6	206	2.37	1.52	-0.81	-0.20	0.92	1.02	-0.10	-0.19	-0.19	-0.10	7.24e-03
		221	3.38	1.28	-0.42	-0.27	1.14	-0.48	0.02	-0.32	0.02	-0.32	-8.82e-03
		197	6.54	4.67	0.22	0.35	4.54	0.75	0.36	0.06	0.07	0.36	0.02
		176	3.96	3.01	0.38	0.40	2.99	0.24	0.15	-0.10	-0.10	0.15	-0.04
200	15	206	0.13	0.02	-0.05	0.01	-0.04	0.03	-3.64e-03	-0.01	-8.93e-03	-9.34e-03	5.49e-03
		221	0.69	0.11	0.02	0.07	0.05	0.04	9.82e-03	-0.10	2.62e-03	-0.09	-0.03
		197	1.01	-0.02	-0.15	-0.09	-0.08	-0.06	0.14	-0.03	-0.02	0.13	0.03
		176	0.24	0.08	-0.05	-0.02	0.04	-0.06	0.03	0.01	0.01	0.03	-6.21e-03
200	47	206	0.18	0.02	-0.05	9.86e-03	-0.04	0.03	-1.67e-03	-0.02	-8.95e-03	-0.01	9.48e-03
		221	0.71	0.11	0.01	0.07	0.05	0.05	7.50e-03	-0.11	2.60e-03	-0.10	-0.02
		197	0.94	-0.02	-0.14	-0.09	-0.08	-0.06	0.13	-0.03	-0.02	0.12	0.03
		176	0.25	0.08	-0.05	-0.01	0.04	-0.06	0.03	6.56e-03	0.01	0.02	-0.01
201	4	178	2.76	-0.03	-0.60	-0.11	-0.52	0.20	0.02	-0.38	0.01	-0.38	-0.05
		175	2.36	0.83	-0.11	0.06	0.66	-0.36	-0.03	-0.32	-0.31	-0.04	-0.05
		206	2.05	1.12	-0.17	-0.06	1.02	-0.36	0.10	-0.14	-0.13	0.08	0.06
		209	4.40	1.87	-0.14	-0.07	1.79	-0.38	0.38	-0.10	-0.10	0.37	0.04
201	8	178	1.88	-0.02	-0.40	-0.07	-0.34	0.13	0.01	-0.26	6.81e-03	-0.26	-0.03
		175	1.57	0.55	-0.08	0.04	0.43	-0.24	-0.02	-0.21	-0.21	-0.03	-0.03
		206	1.37	0.75	-0.11	-0.04	0.68	-0.24	0.07	-0.09	-0.08	0.06	0.04
		209	2.97	1.24	-0.10	-0.05	1.19	-0.25	0.26	-0.07	-0.06	0.26	0.02
201	16	178	0.30	0.01	8.30e-03	9.36e-03	0.01	-1.60e-03	9.39e-04	-0.05	-1.81e-03	-0.05	0.01
		175	0.12	5.05e-03	-0.02	4.86e-03	-0.02	-1.99e-03	4.75e-03	-0.01	-8.38e-05	-0.01	8.48e-03
		206	0.11	0.02	-9.62e-03	-7.39e-03	0.01	7.17e-03	1.67e-03	-0.01	-2.72e-04	-0.01	-5.16e-03
		209	0.37	-0.01	-0.02	-0.01	-0.02	3.71e-03	0.06	8.82e-05	3.29e-03	0.06	-0.01
201	48	178	0.30	0.01	8.27e-03	9.57e-03	0.01	-1.91e-03	-8.89e-04	-0.05	-1.83e-03	-0.05	6.66e-03
		175	0.06	5.31e-03	-0.02	5.06e-03	-0.02	-2.31e-03	2.14e-03	-6.64e-03	-1.07e-04	-4.38e-03	3.83e-03
		206	0.06	0.02	-9.68e-03	-7.69e-03	0.01	6.86e-03	-4.55e-05	-6.38e-03	-8.25e-05	-6.34e-03	-4.83e-04
		209	0.33	-0.01	-0.02	-0.01	-0.02	3.40e-03	0.05	2.02e-03	3.48e-03	0.05	-8.66e-03
202	3	180	2.34	-0.08	-0.80	-0.08	-0.79	-0.05	0.37	0.04	0.31	0.10	-0.12
		178	7.57	1.20	0.02	0.13	1.09	0.34	0.43	-0.87	-0.87	0.42	-0.07
		209	3.65	0.22	-1.98	0.03	-1.79	-0.61	-0.36	-0.50	-0.47	-0.38	0.05
		211	2.43	0.45	-1.36	0.04	-0.94	-0.76	0.14	-0.14	0.13	-0.13	0.04
202	7	180	1.56	-0.05	-0.53	-0.05	-0.53	-0.03	0.25	0.03	0.21	0.06	-0.08
		178	5.02	0.80	0.02	0.09	0.73	0.22	0.28	-0.58	-0.58	0.28	-0.05
		209	2.41	0.14	-1.32	0.02	-1.20	-0.41	-0.23	-0.33	-0.31	-0.25	0.04
		211	1.61	0.30	-0.91	0.02	-0.63	-0.51	0.09	-0.09	0.09	-0.09	0.03
202	20	180	0.12	4.25e-03	-0.01	4.17e-03	-0.01	1.22e-03	1.37e-03	-0.02	-2.56e-04	-0.02	-5.21e-03
		178	0.29	0.01	9.03e-03	9.06e-03	0.01	3.25e-04	-2.75e-04	-0.05	-1.75e-03	-0.05	-8.20e-03
		209	0.25	-0.01	-0.02	-0.01	-0.02	-3.69e-03	0.04	7.90e-04	3.48e-03	0.04	9.86e-03
		211	0.07	0.02	-8.87e-03	-6.72e-03	0.02	-7.43e-03	8.83e-04	-6.43e-03	3.93e-04	-5.94e-03	1.83e-03
202	61	180	0.03	5.72e-03	-0.02	5.57e-03	-0.02	1.80e-03	-3.02e-04	-2.30e-03	-3.13e-04	-2.29e-03	1.43e-04
		178	0.23	0.01	9.91e-03	0.01	0.01	9.03e-04	-1.57e-03	-0.04	-1.80e-03	-0.04	-2.91e-03
		209	0.27	-0.01	-0.02	-0.02	-0.02	-3.12e-03	0.04	3.17e-03	3.65e-03	0.04	4.47e-03
		211	0.08	0.02	-0.01	-8.85e-03	0.02	-6.85e-03	8.57e-03	-9.55e-04	5.62e-04	7.05e-03	-3.48e-03
203	1	182	3.15	-0.03	-0.56	-0.10	-0.48	0.18	0.02	-0.45	0.02	-0.44	-0.05
		180	2.35	0.81	-0.13	0.05	0.63	-0.37	-0.04	-0.32	-0.31	-0.05	-0.06
		211	2.14	1.15	-0.16	-0.06	1.05	-0.35	0.11	-0.14	-0.12	0.10	0.06
		213	4.85	1.84	-0.15	-0.09	1.77	-0.35	0.44	-0.11	-0.11	0.44	0.03
203	5	182	2.18	-0.02	-0.37	-0.06	-0.32	0.12	0.02	-0.31	0.01	-0.31	-0.03
		180	1.56	0.54	-0.09	0.03	0.42	-0.25	-0.03	-0.22	-0.21	-0.04	-0.04
		211	1.44	0.77	-0.10	-0.04	0.70	-0.23	0.08	-0.09	-0.08	0.07	0.04
		213	3.32	1.22	-0.11	-0.06	1.18	-0.23	0.31	-0.08	-0.08	0.31	0.02

203	9	182	0.58	0.04	0.02	0.02	0.04	-0.01	5.99e-03	-0.09	4.53e-03	-0.09	0.01
		180	0.07	6.33e-03	-0.04	5.23e-03	-0.03	-6.74e-03	-6.78e-04	-7.25e-03	-2.55e-03	-5.37e-03	2.97e-03
		211	0.14	0.04	-0.01	-8.12e-03	0.03	0.01	0.02	3.74e-03	4.02e-03	0.02	-2.09e-03
		213	0.77	-9.41e-03	-0.06	-0.04	-0.03	0.03	0.12	-9.70e-03	-7.64e-03	0.12	-0.02
203	41	182	0.62	0.04	0.01	0.02	0.04	-0.01	5.22e-03	-0.10	4.53e-03	-0.09	8.30e-03
		180	0.09	5.12e-03	-0.04	3.85e-03	-0.03	-7.09e-03	-2.52e-03	-9.09e-03	-2.55e-03	-9.07e-03	-4.20e-04
		211	0.13	0.04	-9.50e-03	-5.98e-03	0.03	0.01	0.02	3.84e-03	3.98e-03	0.02	1.29e-03
		213	0.72	-8.60e-03	-0.06	-0.03	-0.03	0.02	0.11	-9.05e-03	-7.68e-03	0.11	-0.01
204	1	182	3.15	-0.03	-0.56	-0.10	-0.48	0.18	0.45	-0.02	-0.02	0.44	0.05
		192	2.35	0.81	-0.13	0.05	0.63	-0.37	0.32	0.04	0.31	0.05	0.06
		215	2.14	1.15	-0.16	-0.06	1.05	-0.35	0.14	-0.11	0.12	-0.10	-0.06
		213	4.85	1.84	-0.15	-0.09	1.77	-0.35	0.11	-0.44	0.11	-0.44	-0.03
204	5	182	2.18	-0.02	-0.37	-0.06	-0.32	0.12	0.31	-0.02	-0.01	0.31	0.03
		192	1.56	0.54	-0.09	0.03	0.42	-0.25	0.22	0.03	0.21	0.04	0.04
		215	1.44	0.77	-0.10	-0.04	0.70	-0.23	0.09	-0.08	0.08	-0.07	-0.04
		213	3.32	1.22	-0.11	-0.06	1.18	-0.23	0.08	-0.31	0.08	-0.31	-0.02
204	15	182	0.58	0.04	0.02	0.02	0.04	-0.01	0.09	-5.98e-03	-4.51e-03	0.09	-0.01
		192	0.07	6.37e-03	-0.04	5.27e-03	-0.03	-6.69e-03	7.28e-03	6.62e-04	2.54e-03	5.39e-03	-2.98e-03
		215	0.14	0.04	-0.01	-8.20e-03	0.03	0.01	-3.72e-03	-0.02	-4.00e-03	-0.02	2.10e-03
		213	0.77	-9.41e-03	-0.06	-0.04	-0.03	0.02	9.67e-03	-0.12	7.61e-03	-0.12	0.02
204	47	182	0.62	0.04	0.01	0.02	0.04	-0.01	0.10	-5.21e-03	-4.52e-03	0.09	-8.32e-03
		192	0.09	5.16e-03	-0.04	3.90e-03	-0.03	-7.05e-03	9.11e-03	2.51e-03	2.54e-03	9.08e-03	4.17e-04
		215	0.13	0.04	-9.53e-03	-6.06e-03	0.03	0.01	-3.82e-03	-0.02	-3.96e-03	-0.02	-1.29e-03
		213	0.72	-8.61e-03	-0.06	-0.03	-0.03	0.02	9.02e-03	-0.11	7.65e-03	-0.11	0.01
205	4	192	2.34	-0.08	-0.80	-0.08	-0.79	-0.05	-0.04	-0.37	-0.31	-0.10	0.12
		194	7.57	1.20	0.02	0.13	1.09	0.34	0.87	-0.43	0.87	-0.42	0.07
		217	3.65	0.22	-1.98	0.03	-1.79	-0.61	0.50	0.36	0.47	0.38	-0.05
		215	2.42	0.45	-1.36	0.04	-0.94	-0.76	0.14	-0.14	-0.13	0.13	-0.04
205	8	192	1.56	-0.05	-0.53	-0.05	-0.53	-0.03	-0.03	-0.24	-0.21	-0.06	0.08
		194	5.02	0.80	0.02	0.09	0.73	0.22	0.58	-0.28	0.58	-0.28	0.05
		217	2.41	0.14	-1.32	0.02	-1.20	-0.41	0.33	0.23	0.31	0.25	-0.04
		215	1.61	0.30	-0.91	0.02	-0.63	-0.51	0.09	-0.09	-0.09	0.09	-0.03
205	22	192	0.12	4.29e-03	-0.01	4.21e-03	-0.01	1.20e-03	0.02	-1.32e-03	2.53e-04	0.02	5.17e-03
		194	0.29	0.01	9.04e-03	9.07e-03	0.01	3.28e-04	0.05	2.90e-04	1.75e-03	0.05	8.17e-03
		217	0.25	-0.01	-0.02	-0.01	-0.02	-3.69e-03	-8.09e-04	-0.04	-3.49e-03	-0.04	-9.83e-03
		215	0.06	0.02	-8.91e-03	-6.78e-03	0.02	-7.38e-03	5.97e-03	-8.86e-04	-3.93e-04	5.48e-03	-1.77e-03
205	59	192	0.03	5.75e-03	-0.02	5.60e-03	-0.02	1.78e-03	2.73e-03	3.01e-04	3.10e-04	2.72e-03	-1.50e-04
		194	0.23	0.01	9.90e-03	0.01	0.01	9.01e-04	0.04	1.57e-03	1.81e-03	0.04	2.92e-03
		217	0.27	-0.01	-0.02	-0.02	-0.02	-3.11e-03	-3.17e-03	-0.05	-3.66e-03	-0.04	-4.49e-03
		215	0.08	0.02	-0.01	-8.90e-03	0.02	-6.81e-03	9.03e-04	-8.94e-03	-5.60e-04	-7.48e-03	3.50e-03
206	3	194	2.76	-0.03	-0.60	-0.11	-0.52	0.20	0.38	-0.02	-0.01	0.38	0.05
		196	2.36	0.83	-0.11	0.06	0.66	-0.36	0.32	0.03	0.31	0.04	0.05
		219	2.06	1.12	-0.17	-0.06	1.02	-0.36	0.14	-0.10	0.13	-0.08	-0.06
		217	4.40	1.87	-0.14	-0.07	1.79	-0.38	0.10	-0.38	0.10	-0.37	-0.04
206	7	194	1.88	-0.02	-0.40	-0.07	-0.34	0.13	0.26	-0.01	-6.81e-03	0.26	0.03
		196	1.57	0.55	-0.08	0.04	0.43	-0.24	0.21	0.02	0.21	0.03	0.03
		219	1.37	0.75	-0.11	-0.04	0.68	-0.24	0.09	-0.07	0.08	-0.06	-0.04
		217	2.97	1.24	-0.10	-0.05	1.19	-0.25	0.07	-0.26	0.06	-0.26	-0.02
206	10	194	0.30	0.01	8.29e-03	9.38e-03	0.01	-1.60e-03	0.05	-9.21e-04	1.81e-03	0.05	-0.01
		196	0.12	5.08e-03	-0.02	4.90e-03	-0.02	-1.98e-03	0.02	-4.62e-03	8.05e-05	0.01	-8.43e-03
		219	0.11	0.02	-9.65e-03	-7.45e-03	0.01	7.12e-03	0.01	-1.68e-03	2.75e-04	0.01	5.10e-03
		217	0.37	-0.01	-0.02	-0.01	-0.02	3.71e-03	-1.04e-04	-0.06	-3.29e-03	-0.06	0.01
206	42	194	0.30	0.01	8.26e-03	9.58e-03	0.01	-1.91e-03	0.05	8.96e-04	1.83e-03	0.05	-6.65e-03
		196	0.06	5.35e-03	-0.02	5.10e-03	-0.02	-2.29e-03	6.92e-03	-2.02e-03	1.04e-04	4.80e-03	-3.80e-03
		219	0.06	0.02	-9.72e-03	-7.75e-03	0.01	6.81e-03	5.93e-03	5.15e-05	8.49e-05	5.89e-03	4.42e-04
		217	0.33	-0.01	-0.02	-0.01	-0.02	3.40e-03	-2.02e-03	-0.05	-3.48e-03	-0.05	8.65e-03

207	1	196	2.37	-0.08	-0.82	-0.08	-0.82	-0.04	-0.03	-0.36	-0.31	-0.08	0.12
		198	7.16	1.24	0.03	0.14	1.12	0.35	0.86	-0.35	0.86	-0.35	0.08
		221	3.39	0.21	-2.01	0.01	-1.81	-0.64	0.50	0.29	0.49	0.30	-0.06
		219	2.33	0.47	-1.34	0.04	-0.92	-0.77	0.12	-0.14	-0.14	0.11	-0.04
207	5	196	1.58	-0.05	-0.55	-0.06	-0.55	-0.03	-0.02	-0.24	-0.21	-0.05	0.08
		198	4.71	0.83	0.02	0.10	0.75	0.24	0.57	-0.22	0.57	-0.22	0.05
		221	2.31	0.14	-1.35	2.37e-03	-1.21	-0.43	0.34	0.18	0.33	0.19	-0.04
		219	1.54	0.31	-0.89	0.03	-0.61	-0.51	0.08	-0.10	-0.09	0.07	-0.03
207	22	196	0.10	6.84e-03	-0.04	6.09e-03	-0.04	5.59e-03	0.01	6.27e-04	2.58e-03	0.01	4.45e-03
		198	0.57	0.04	0.02	0.02	0.04	0.01	0.09	-6.34e-03	-4.57e-03	0.09	0.01
		221	0.80	-0.01	-0.06	-0.04	-0.03	-0.03	0.01	-0.12	7.82e-03	-0.12	-0.02
		219	0.20	0.04	-0.01	-9.55e-03	0.03	-0.01	-3.60e-03	-0.03	-3.99e-03	-0.03	-3.11e-03
207	54	196	0.12	5.23e-03	-0.04	4.34e-03	-0.03	5.98e-03	0.02	2.58e-03	2.59e-03	0.02	4.36e-04
		198	0.62	0.04	0.02	0.02	0.04	0.01	0.10	-5.33e-03	-4.56e-03	0.09	8.75e-03
		221	0.74	-9.84e-03	-0.06	-0.04	-0.03	-0.03	9.29e-03	-0.11	7.78e-03	-0.11	-0.01
		219	0.17	0.04	-0.01	-6.83e-03	0.03	-0.01	-3.99e-03	-0.02	-4.03e-03	-0.02	9.01e-04
208	1	175	2.37	-0.08	-0.82	-0.08	-0.82	-0.04	0.36	0.03	0.31	0.08	-0.12
		198	7.16	1.24	0.03	0.14	1.12	0.35	0.35	-0.86	-0.86	0.35	-0.08
		221	3.39	0.21	-2.01	0.01	-1.81	-0.64	-0.29	-0.50	-0.49	-0.30	0.06
		206	2.33	0.47	-1.34	0.04	-0.92	-0.77	0.14	-0.12	0.14	-0.11	0.04
208	5	175	1.58	-0.05	-0.55	-0.06	-0.55	-0.03	0.24	0.02	0.21	0.05	-0.08
		198	4.71	0.83	0.02	0.10	0.75	0.24	0.22	-0.57	-0.57	0.22	-0.05
		221	2.31	0.14	-1.35	2.36e-03	-1.21	-0.43	-0.18	-0.34	-0.33	-0.19	0.04
		206	1.54	0.31	-0.89	0.03	-0.61	-0.51	0.10	-0.08	0.09	-0.07	0.03
208	20	175	0.10	6.80e-03	-0.04	6.04e-03	-0.04	5.64e-03	-6.43e-04	-0.01	-2.59e-03	-0.01	-4.43e-03
		198	0.57	0.04	0.02	0.02	0.04	0.01	6.35e-03	-0.09	4.58e-03	-0.09	-0.01
		221	0.80	-0.01	-0.06	-0.04	-0.03	-0.03	0.12	-0.01	-7.84e-03	0.12	0.02
		206	0.20	0.04	-0.01	-9.48e-03	0.03	-0.01	0.03	3.63e-03	4.01e-03	0.03	3.10e-03
208	52	175	0.12	5.20e-03	-0.04	4.29e-03	-0.03	6.03e-03	-2.59e-03	-0.02	-2.60e-03	-0.02	-4.33e-04
		198	0.62	0.04	0.02	0.02	0.04	0.01	5.34e-03	-0.09	4.58e-03	-0.09	-8.73e-03
		221	0.74	-9.83e-03	-0.06	-0.04	-0.03	-0.03	0.11	-9.31e-03	-7.81e-03	0.11	0.01
		206	0.17	0.04	-0.01	-6.75e-03	0.03	-0.01	0.02	4.01e-03	4.05e-03	0.02	-8.98e-04
209	1	142	3.22	1.43	-0.25	-0.19	1.37	-0.31	-531.71	-991.04	-984.58	-538.16	54.08
		42	2.55	1.59	-6.31	-4.63	-0.08	3.23	-546.27	-741.52	-711.62	-576.17	-70.31
		43	2.38	2.87	-4.33	-3.90	2.43	-1.71	-587.79	-667.79	-593.53	-662.05	-20.64
		20	4.72	3.71	-13.75	-11.59	1.55	5.76	-917.81	-1362.15	-1360.32	-919.65	-28.49
209	5	142	2.29	0.98	-0.13	-0.08	0.93	-0.22	-389.42	-703.51	-699.43	-393.50	35.55
		42	1.82	1.07	-4.23	-3.10	-0.06	2.17	-395.79	-527.89	-507.03	-416.66	-48.17
		43	1.71	1.94	-2.89	-2.60	1.64	-1.16	-423.72	-480.22	-427.39	-476.55	-13.92
		20	3.31	2.53	-9.27	-7.80	1.06	3.90	-652.13	-954.85	-953.63	-653.36	-19.25
209	19	142	1.31	6.24e-03	-0.19	-0.04	-0.15	0.08	-308.01	-380.32	-379.60	-308.73	7.18
		42	1.10	0.17	-0.54	-0.42	0.04	0.27	-281.09	-301.47	-299.46	-283.09	-6.07
		43	1.16	0.22	-0.46	-0.45	0.20	0.11	-301.87	-314.27	-309.78	-306.36	5.96
		20	1.50	0.30	-1.48	-1.07	-0.11	0.75	-351.51	-426.59	-424.45	-353.65	12.50
209	51	142	1.21	0.15	2.83e-04	0.15	2.85e-04	5.50e-04	-283.72	-350.30	-350.26	-283.75	1.53
		42	1.01	0.13	-0.38	-0.26	8.67e-03	0.22	-258.05	-275.94	-271.08	-262.91	-7.96
		43	1.05	0.18	-0.22	-0.22	0.18	-8.60e-03	-272.14	-284.83	-272.56	-284.41	2.26
		20	1.36	0.35	-1.12	-0.81	0.05	0.60	-326.48	-386.69	-386.26	-326.91	5.04
210	1	259	2.18	0.83	-1.79	-0.56	-0.40	1.31	-93.02	-615.50	-595.97	-112.55	99.11
		266	1.80	0.98	-2.65	-1.36	-0.31	1.74	-132.65	-521.15	-519.20	-134.59	27.41
		77	2.11	1.19	-3.36	-2.54	0.37	1.75	-369.72	-634.84	-629.14	-375.42	-38.45
		104	2.79	1.22	-3.93	-1.96	-0.74	2.50	-342.86	-837.34	-833.07	-347.12	45.73
210	5	259	1.57	0.56	-1.19	-0.37	-0.27	0.87	-77.85	-447.54	-435.50	-89.90	65.64
		266	1.29	0.66	-1.77	-0.90	-0.21	1.16	-102.87	-376.72	-375.56	-104.03	17.80
		77	1.52	0.80	-2.25	-1.69	0.25	1.17	-273.05	-455.00	-450.92	-277.12	-26.91
		104	1.99	0.83	-2.63	-1.30	-0.50	1.68	-257.41	-599.24	-596.74	-259.91	29.12

210	18	259	1.04	0.20	-0.29	-0.07	-0.02	0.25	-119.75	-316.83	-316.54	-120.04	7.47
		266	0.82	0.17	-0.26	-0.08	-4.15e-03	0.21	-119.49	-251.60	-251.53	-119.56	3.02
		77	0.96	0.14	-0.43	-0.29	4.88e-03	0.24	-216.01	-281.44	-281.07	-216.38	-4.92
		104	1.17	0.18	-0.50	-0.24	-0.07	0.33	-225.25	-354.31	-354.29	-225.27	-1.43
210	50	259	0.99	0.12	-0.14	-0.01	-0.02	0.13	-115.61	-300.97	-300.95	-115.63	1.91
		266	0.77	0.10	-0.13	-0.03	-4.55e-03	0.12	-113.21	-235.57	-235.57	-113.21	-0.37
		77	0.89	0.10	-0.23	-0.15	0.02	0.14	-207.53	-258.94	-257.88	-208.59	-7.33
		104	1.10	0.14	-0.28	-0.09	-0.05	0.21	-218.99	-331.79	-331.47	-219.31	-6.00
211	1	158	3.10	1.92	-6.05	-3.77	-0.35	-3.60	-484.69	-924.90	-924.07	-485.52	-19.05
		183	2.22	1.33	-3.30	-2.94	0.98	-1.23	-445.52	-655.58	-645.34	-455.76	45.23
		184	2.12	1.38	-4.05	-3.12	0.45	-2.05	-383.59	-633.10	-627.40	-389.29	37.27
		103	2.82	1.51	-3.88	-1.70	-0.67	-2.64	-363.90	-850.49	-847.44	-366.95	-38.39
211	5	158	2.20	1.30	-4.06	-2.52	-0.24	-2.42	-355.49	-658.85	-658.41	-355.93	-11.56
		183	1.59	0.90	-2.20	-1.96	0.66	-0.82	-326.20	-469.34	-462.09	-333.45	31.39
		184	1.52	0.93	-2.71	-2.08	0.31	-1.37	-282.53	-453.85	-449.79	-286.60	26.08
		103	2.01	1.02	-2.60	-1.13	-0.45	-1.78	-271.75	-608.18	-606.41	-273.52	-24.36
211	22	158	1.24	0.23	-0.64	-0.33	-0.08	-0.42	-266.39	-367.58	-367.56	-266.41	1.18
		183	1.02	0.14	-0.39	-0.30	0.05	-0.21	-247.82	-290.03	-289.23	-248.63	5.77
		184	0.98	0.15	-0.40	-0.27	0.02	-0.24	-228.37	-283.97	-283.43	-228.91	5.48
		103	1.19	0.21	-0.49	-0.19	-0.09	-0.34	-240.53	-357.51	-357.48	-240.55	1.64
211	54	158	1.16	0.19	-0.41	-0.18	-0.04	-0.29	-253.47	-342.09	-341.81	-253.75	4.98
		183	0.94	0.11	-0.19	-0.15	0.06	-0.11	-233.02	-265.15	-263.26	-234.92	7.57
		184	0.90	0.11	-0.23	-0.15	0.03	-0.14	-214.31	-260.34	-259.11	-215.53	7.41
		103	1.11	0.16	-0.28	-0.06	-0.06	-0.22	-227.93	-333.68	-333.38	-228.23	5.58
212	1	271	2.18	0.59	-1.89	-0.93	-0.38	-1.21	-110.45	-620.42	-602.42	-128.45	-94.11
		275	1.77	0.59	-2.03	-1.28	-0.16	-1.18	-139.76	-516.97	-514.35	-142.39	-31.35
		185	1.68	0.47	-1.96	-1.35	-0.14	-1.05	-11.97	-443.10	-434.58	-20.50	-60.01
		122	1.98	0.47	-1.01	-0.49	-0.05	-0.71	-5.55	-524.82	-509.20	-21.17	-88.70
212	5	271	1.57	0.40	-1.26	-0.61	-0.25	-0.81	-89.49	-450.81	-439.76	-100.53	-62.21
		275	1.27	0.40	-1.35	-0.85	-0.11	-0.79	-107.72	-373.98	-372.37	-109.33	-20.63
		185	1.22	0.31	-1.30	-0.90	-0.09	-0.70	-11.57	-322.72	-317.22	-17.06	-40.99
		122	1.44	0.32	-0.67	-0.32	-0.03	-0.47	-8.13	-385.56	-375.90	-17.79	-59.60
212	24	271	1.04	0.12	-0.26	-0.08	-0.06	-0.19	-112.92	-315.02	-314.79	-113.16	-6.83
		275	0.82	0.12	-0.23	-0.09	-0.02	-0.17	-110.60	-250.28	-250.01	-110.87	-6.09
		185	0.82	0.12	-0.16	-0.03	-0.01	-0.14	-25.53	-228.72	-227.43	-26.83	-16.19
		122	1.06	0.12	-0.19	-0.03	-0.04	-0.16	-26.58	-294.98	-294.14	-27.42	-14.99
212	53	271	0.98	0.08	-0.13	-8.43e-03	-0.04	-0.10	-112.44	-299.99	-299.99	-112.45	-1.26
		275	0.76	0.08	-0.11	-0.02	-0.01	-0.09	-109.41	-235.09	-235.06	-109.44	-1.91
		185	0.77	0.07	-0.07	6.45e-03	-9.75e-03	-0.07	-25.47	-217.23	-216.51	-26.18	-11.66
		122	1.02	0.08	-0.08	0.02	-0.02	-0.08	-27.20	-283.70	-283.38	-27.52	-9.07
213	1	104	2.82	1.51	-3.88	-1.70	-0.67	2.64	-363.90	-850.49	-847.44	-366.95	38.38
		77	2.12	1.38	-4.05	-3.12	0.45	2.05	-383.59	-633.10	-627.40	-389.29	-37.27
		186	2.22	1.33	-3.30	-2.94	0.98	1.23	-445.52	-655.58	-645.34	-455.76	-45.23
		133	3.10	1.92	-6.05	-3.77	-0.35	3.60	-484.69	-924.89	-924.07	-485.51	19.05
213	5	104	2.01	1.02	-2.60	-1.13	-0.45	1.78	-271.75	-608.18	-606.41	-273.52	24.35
		77	1.52	0.93	-2.71	-2.08	0.31	1.37	-282.53	-453.85	-449.79	-286.59	-26.08
		186	1.59	0.90	-2.20	-1.96	0.66	0.82	-326.20	-469.34	-462.09	-333.45	-31.39
		133	2.20	1.30	-4.06	-2.52	-0.24	2.42	-355.49	-658.85	-658.41	-355.93	11.56
213	20	104	1.19	0.21	-0.49	-0.19	-0.09	0.34	-240.53	-357.51	-357.48	-240.55	-1.64
		77	0.98	0.15	-0.40	-0.27	0.02	0.24	-228.36	-283.97	-283.43	-228.91	-5.48
		186	1.02	0.14	-0.39	-0.30	0.05	0.21	-247.82	-290.03	-289.23	-248.62	-5.77
		133	1.24	0.23	-0.64	-0.33	-0.08	0.42	-266.39	-367.58	-367.56	-266.40	-1.18
213	52	104	1.11	0.16	-0.28	-0.06	-0.06	0.22	-227.93	-333.68	-333.38	-228.22	-5.58
		77	0.90	0.11	-0.23	-0.15	0.03	0.14	-214.31	-260.34	-259.11	-215.53	-7.41
		186	0.94	0.11	-0.19	-0.15	0.06	0.11	-233.02	-265.15	-263.26	-234.92	-7.57
		133	1.16	0.19	-0.41	-0.18	-0.04	0.29	-253.47	-342.09	-341.81	-253.75	-4.98

214	1	133	3.07	2.25	-5.16	-3.21	0.29	3.27	-486.93	-920.88	-920.51	-487.30	12.63
		186	2.23	1.23	-4.15	-3.53	0.61	1.71	-449.97	-655.79	-647.00	-458.76	-41.61
		42	2.31	0.90	-2.34	-2.21	0.78	0.61	-492.63	-681.77	-662.92	-511.48	-56.67
		142	3.48	2.42	-7.68	-6.76	1.50	2.91	-646.74	-1017.54	-1013.69	-650.59	37.61
214	5	133	2.18	1.52	-3.46	-2.14	0.20	2.20	-356.96	-656.18	-656.01	-357.14	7.20
		186	1.60	0.83	-2.77	-2.36	0.41	1.14	-329.24	-469.45	-463.21	-335.48	-28.91
		42	1.66	0.61	-1.55	-1.47	0.53	0.41	-359.73	-487.41	-474.15	-372.99	-38.94
		142	2.47	1.64	-5.16	-4.53	1.02	1.96	-467.02	-721.51	-719.14	-469.40	24.46
214	20	133	1.25	0.27	-0.54	-0.28	0.02	0.38	-273.81	-368.88	-368.80	-273.89	-2.81
		186	1.04	0.12	-0.44	-0.34	0.02	0.21	-255.14	-291.35	-290.72	-255.78	-4.75
		42	1.07	0.10	-0.34	-0.27	0.02	0.17	-272.85	-296.51	-295.44	-273.92	-4.93
		142	1.31	0.26	-0.71	-0.53	0.08	0.37	-299.81	-378.65	-378.62	-299.83	1.29
214	52	133	1.16	0.23	-0.32	-0.13	0.04	0.26	-256.99	-342.71	-342.28	-257.42	-6.09
		186	0.95	0.08	-0.24	-0.19	0.03	0.12	-236.76	-265.74	-264.03	-238.47	-6.83
		42	0.98	0.08	-0.13	-0.09	0.04	0.08	-253.11	-270.86	-267.58	-256.38	-6.88
		142	1.21	0.22	-0.47	-0.35	0.10	0.25	-283.09	-350.99	-350.94	-283.13	-1.76
215	1	20	4.72	3.71	-13.75	-11.59	1.55	-5.76	-917.81	-1362.15	-1360.32	-919.65	28.49
		43	2.38	2.87	-4.33	-3.90	2.43	1.71	-587.79	-667.79	-593.53	-662.05	20.64
		187	2.55	1.59	-6.31	-4.63	-0.08	-3.23	-546.28	-741.52	-711.62	-576.17	70.31
		150	3.22	1.43	-0.25	-0.19	1.37	0.31	-531.71	-991.04	-984.58	-538.17	-54.08
215	5	20	3.31	2.53	-9.27	-7.80	1.06	-3.90	-652.13	-954.85	-953.63	-653.35	19.25
		43	1.71	1.94	-2.89	-2.60	1.64	1.16	-423.72	-480.22	-427.39	-476.55	13.92
		187	1.82	1.07	-4.23	-3.10	-0.06	-2.17	-395.80	-527.89	-507.02	-416.66	48.17
		150	2.29	0.98	-0.13	-0.08	0.93	0.22	-389.42	-703.51	-699.43	-393.50	-35.55
215	21	20	1.50	0.30	-1.48	-1.07	-0.11	-0.75	-351.51	-426.59	-424.45	-353.65	-12.50
		43	1.16	0.22	-0.46	-0.45	0.20	-0.11	-301.87	-314.27	-309.78	-306.36	-5.96
		187	1.10	0.17	-0.54	-0.42	0.04	-0.27	-281.09	-301.46	-299.46	-283.09	6.07
		150	1.31	6.22e-03	-0.19	-0.04	-0.15	-0.08	-308.01	-380.32	-379.60	-308.73	-7.18
215	53	20	1.36	0.35	-1.12	-0.81	0.05	-0.60	-326.48	-386.69	-386.26	-326.91	-5.05
		43	1.05	0.18	-0.22	-0.22	0.18	8.60e-03	-272.14	-284.83	-272.56	-284.41	-2.27
		187	1.01	0.13	-0.38	-0.26	8.68e-03	-0.22	-258.05	-275.94	-271.08	-262.91	7.96
		150	1.21	0.15	2.97e-04	0.15	3.00e-04	-5.54e-04	-283.72	-350.30	-350.26	-283.76	-1.53
216	1	150	3.48	2.42	-7.68	-6.76	1.50	-2.91	-646.74	-1017.54	-1013.69	-650.60	-37.62
		187	2.31	0.90	-2.34	-2.21	0.78	-0.61	-492.63	-681.77	-662.92	-511.49	56.66
		183	2.23	1.23	-4.15	-3.53	0.61	-1.71	-449.98	-655.79	-647.00	-458.77	41.61
		158	3.07	2.25	-5.16	-3.21	0.29	-3.27	-486.94	-920.88	-920.52	-487.30	-12.64
216	5	150	2.47	1.64	-5.16	-4.53	1.02	-1.96	-467.03	-721.51	-719.14	-469.40	-24.46
		187	1.66	0.61	-1.55	-1.47	0.53	-0.41	-359.74	-487.40	-474.15	-372.99	38.94
		183	1.60	0.83	-2.77	-2.36	0.41	-1.14	-329.24	-469.45	-463.21	-335.48	28.91
		158	2.18	1.52	-3.46	-2.14	0.20	-2.20	-356.96	-656.18	-656.01	-357.14	-7.20
216	22	150	1.31	0.26	-0.71	-0.53	0.08	-0.37	-299.82	-378.65	-378.63	-299.84	-1.29
		187	1.07	0.10	-0.34	-0.27	0.02	-0.17	-272.85	-296.51	-295.44	-273.93	4.92
		183	1.04	0.12	-0.44	-0.34	0.02	-0.21	-255.15	-291.35	-290.72	-255.78	4.74
		158	1.25	0.27	-0.54	-0.28	0.02	-0.38	-273.81	-368.88	-368.80	-273.90	2.80
216	54	150	1.21	0.22	-0.47	-0.35	0.10	-0.25	-283.09	-350.99	-350.94	-283.13	1.76
		187	0.98	0.08	-0.13	-0.09	0.04	-0.08	-253.11	-270.85	-267.58	-256.38	6.88
		183	0.95	0.08	-0.24	-0.19	0.03	-0.12	-236.76	-265.74	-264.03	-238.47	6.83
		158	1.16	0.23	-0.32	-0.13	0.04	-0.26	-256.99	-342.71	-342.28	-257.43	6.09
217	2	237	1.54	1.34	-1.74	-1.35	0.95	1.01	-347.26	-449.49	-357.21	-439.53	-30.31
		188	2.10	1.47	-2.81	-1.94	0.60	1.72	-464.42	-612.12	-602.70	-473.84	-36.09
		189	1.96	1.58	-2.30	-1.23	0.51	1.73	-398.83	-584.61	-580.80	-402.64	-26.33
		238	1.41	1.31	-1.96	-1.36	0.70	1.27	-340.00	-403.44	-355.33	-388.11	-27.16
217	6	237	1.13	0.90	-1.16	-0.90	0.64	0.68	-254.82	-327.96	-260.85	-321.92	-20.12
		188	1.52	0.99	-1.88	-1.30	0.41	1.15	-340.40	-442.28	-435.90	-346.78	-24.68
		189	1.42	1.06	-1.54	-0.82	0.35	1.16	-294.17	-423.63	-421.04	-296.76	-18.11
		238	1.03	0.88	-1.31	-0.91	0.47	0.85	-250.38	-294.43	-259.48	-285.33	-17.84

217	16	237	0.83	0.16	-0.24	-0.16	0.08	0.16	-194.68	-241.11	-194.69	-241.10	-0.68
		188	1.01	0.19	-0.33	-0.18	0.04	0.24	-254.85	-281.81	-280.22	-256.44	-6.36
		189	0.98	0.19	-0.28	-0.13	0.04	0.22	-236.46	-279.38	-278.54	-237.30	-5.95
		238	0.79	0.17	-0.22	-0.13	0.08	0.16	-194.06	-223.78	-194.07	-223.76	0.58
217	48	237	0.78	0.10	-0.13	-0.08	0.06	0.09	-182.08	-228.54	-182.08	-228.54	0.02
		188	0.96	0.13	-0.19	-0.09	0.04	0.14	-242.43	-268.76	-267.56	-243.64	-5.50
		189	0.93	0.13	-0.15	-0.06	0.04	0.13	-223.86	-266.35	-265.74	-224.46	-5.05
		238	0.74	0.10	-0.12	-0.07	0.05	0.09	-181.27	-211.23	-181.33	-211.18	1.31
218	2	267	1.09	1.23	-1.57	-0.54	0.20	-1.36	-173.78	-329.05	-328.10	-174.73	-12.07
		265	1.62	1.51	-1.58	0.04	-0.11	-1.54	-147.81	-482.68	-478.90	-151.59	-35.37
		190	1.95	1.44	-2.43	-1.37	0.38	-1.72	-386.46	-583.90	-579.83	-390.53	28.06
		239	1.42	1.27	-1.65	-1.11	0.73	-1.14	-339.79	-404.34	-358.37	-385.77	29.22
218	6	267	0.80	0.83	-1.05	-0.36	0.13	-0.91	-130.47	-241.49	-240.66	-131.29	-9.52
		265	1.18	1.01	-1.05	0.03	-0.07	-1.03	-113.88	-353.99	-351.51	-116.36	-24.29
		190	1.41	0.97	-1.62	-0.92	0.26	-1.15	-285.53	-423.05	-420.25	-288.33	19.41
		239	1.04	0.85	-1.10	-0.74	0.49	-0.76	-250.46	-294.88	-261.58	-283.77	19.24
218	9	267	0.62	0.18	-0.14	-7.61e-03	0.05	-0.15	-124.34	-186.81	-184.95	-126.20	-10.62
		265	0.85	0.20	-0.19	6.23e-04	6.52e-03	-0.20	-127.68	-262.13	-261.90	-127.91	-5.59
		190	0.95	0.18	-0.31	-0.14	9.59e-03	-0.24	-222.71	-275.94	-275.22	-223.43	6.14
		239	0.77	0.15	-0.25	-0.14	0.04	-0.18	-192.89	-215.05	-192.89	-215.05	-0.24
218	41	267	0.58	0.10	-0.07	1.20e-03	0.03	-0.09	-116.33	-176.39	-174.36	-118.36	-10.87
		265	0.82	0.12	-0.10	0.01	3.39e-03	-0.11	-120.91	-251.74	-251.52	-121.14	-5.44
		190	0.91	0.12	-0.17	-0.07	0.02	-0.14	-215.73	-264.27	-263.59	-216.41	5.71
		239	0.73	0.09	-0.13	-0.07	0.03	-0.10	-181.01	-207.00	-181.05	-206.96	-1.04
219	2	240	1.70	1.33	-2.06	-1.68	0.95	-1.06	-354.23	-506.14	-359.28	-501.09	27.24
		222	2.25	1.75	-2.90	-2.45	1.30	-1.38	-534.64	-644.02	-615.56	-563.10	47.98
		223	2.53	1.50	-3.69	-3.67	1.48	-0.34	-648.86	-687.37	-648.87	-687.36	0.43
		241	1.84	1.42	-1.98	-1.98	1.41	0.16	-349.72	-554.09	-349.79	-554.02	3.79
219	6	240	1.24	0.89	-1.38	-1.13	0.64	-0.71	-259.18	-368.35	-262.29	-365.24	18.16
		222	1.63	1.18	-1.94	-1.63	0.88	-0.92	-389.50	-463.94	-444.58	-408.86	32.66
		223	1.82	1.01	-2.47	-2.46	1.00	-0.23	-467.18	-494.73	-467.18	-494.73	0.35
		241	1.34	0.96	-1.33	-1.32	0.95	0.11	-255.83	-402.74	-255.87	-402.70	2.54
219	10	240	0.89	0.14	-0.25	-0.21	0.10	-0.11	-196.29	-263.66	-196.31	-263.64	-1.19
		222	1.07	0.21	-0.26	-0.21	0.16	-0.14	-279.92	-291.79	-283.59	-288.13	5.48
		223	1.12	0.19	-0.36	-0.33	0.16	-0.13	-282.45	-310.15	-282.58	-310.02	-1.89
		241	0.93	0.14	-0.27	-0.26	0.12	-0.07	-191.53	-279.27	-191.70	-279.09	-3.93
219	42	240	0.84	0.09	-0.13	-0.11	0.06	-0.07	-183.08	-248.26	-183.09	-248.25	-0.56
		222	1.01	0.15	-0.14	-0.12	0.12	-0.09	-264.00	-274.50	-269.60	-268.90	5.24
		223	1.06	0.14	-0.22	-0.21	0.12	-0.08	-270.63	-291.23	-270.65	-291.21	-0.69
		241	0.88	0.09	-0.14	-0.14	0.09	-0.03	-180.50	-264.16	-180.54	-264.12	-1.86
220	2	276	1.08	1.02	-1.21	-0.40	0.22	1.07	-172.15	-327.12	-325.44	-173.83	16.04
		270	1.60	1.10	-1.35	-0.18	-0.07	1.22	-152.97	-479.89	-475.54	-157.32	37.46
		224	1.53	1.07	-0.68	0.39	-4.35e-03	0.85	-16.06	-415.34	-405.06	-26.34	63.26
		242	1.09	0.65	-1.08	-0.39	-0.03	0.84	-25.51	-296.97	-288.43	-34.05	47.40
220	6	276	0.79	0.68	-0.81	-0.27	0.15	0.72	-129.23	-240.28	-238.90	-130.61	12.33
		270	1.17	0.74	-0.90	-0.11	-0.05	0.82	-117.37	-352.14	-349.29	-120.21	25.67
		224	1.13	0.72	-0.46	0.27	-2.87e-03	0.57	-14.59	-307.76	-300.97	-21.37	44.08
		242	0.80	0.44	-0.72	-0.26	-0.02	0.56	-20.31	-219.40	-213.27	-26.44	34.40
220	14	276	0.61	0.13	-0.13	-3.44e-03	2.91e-03	0.13	-113.26	-185.39	-183.01	-115.64	12.89
		270	0.85	0.15	-0.17	3.43e-03	-0.03	0.16	-117.12	-260.29	-259.93	-117.48	7.17
		224	0.88	0.16	-0.12	0.06	-0.02	0.13	-28.88	-247.53	-246.13	-30.28	17.45
		242	0.61	0.14	-0.09	0.05	4.69e-03	0.11	-28.80	-175.66	-172.01	-32.45	22.86
220	46	276	0.58	0.08	-0.07	3.47e-03	6.42e-03	0.08	-110.44	-175.97	-173.46	-112.95	12.58
		270	0.82	0.09	-0.09	0.01	-0.01	0.09	-115.93	-250.95	-250.66	-116.22	6.18
		224	0.85	0.09	-0.06	0.04	-0.01	0.07	-28.22	-240.03	-238.84	-29.40	15.80
		242	0.59	0.08	-0.04	0.03	2.92e-03	0.06	-26.67	-167.92	-164.44	-30.15	21.90

221	2	239	1.41	1.31	-1.96	-1.36	0.70	-1.27	-340.00	-403.44	-355.33	-388.11	27.15
		190	1.96	1.58	-2.30	-1.23	0.51	-1.73	-398.83	-584.61	-580.80	-402.64	26.33
		225	2.10	1.47	-2.81	-1.94	0.60	-1.72	-464.42	-612.11	-602.70	-473.84	36.08
		243	1.54	1.34	-1.74	-1.35	0.95	-1.01	-347.26	-449.48	-357.21	-439.53	30.31
221	6	239	1.03	0.88	-1.31	-0.91	0.47	-0.85	-250.38	-294.43	-259.48	-285.33	17.84
		190	1.42	1.06	-1.54	-0.82	0.35	-1.16	-294.17	-423.63	-421.04	-296.76	18.11
		225	1.52	0.99	-1.88	-1.30	0.41	-1.15	-340.40	-442.28	-435.90	-346.78	24.68
		243	1.13	0.90	-1.16	-0.90	0.64	-0.68	-254.82	-327.96	-260.85	-321.92	20.12
221	10	239	0.79	0.17	-0.22	-0.13	0.08	-0.16	-194.06	-223.78	-194.07	-223.76	-0.58
		190	0.98	0.19	-0.28	-0.13	0.04	-0.22	-236.46	-279.38	-278.54	-237.30	5.95
		225	1.01	0.19	-0.33	-0.18	0.04	-0.24	-254.85	-281.81	-280.22	-256.44	6.36
		243	0.83	0.16	-0.24	-0.16	0.08	-0.16	-194.68	-241.11	-194.69	-241.10	0.68
221	42	239	0.74	0.10	-0.12	-0.07	0.05	-0.09	-181.27	-211.23	-181.33	-211.18	-1.31
		190	0.93	0.13	-0.15	-0.06	0.04	-0.13	-223.86	-266.35	-265.74	-224.46	5.05
		225	0.96	0.13	-0.19	-0.09	0.04	-0.14	-242.43	-268.76	-267.56	-243.64	5.50
		243	0.78	0.10	-0.13	-0.08	0.06	-0.09	-182.08	-228.54	-182.08	-228.54	-0.03
222	2	243	1.54	1.38	-2.12	-1.57	0.83	-1.27	-348.45	-450.90	-358.05	-441.30	29.85
		225	2.09	1.52	-2.38	-1.63	0.77	-1.54	-462.37	-611.95	-601.89	-472.43	37.47
		222	2.27	1.47	-3.45	-2.65	0.67	-1.81	-541.96	-644.71	-626.05	-560.62	39.61
		240	1.67	1.41	-1.72	-1.61	1.30	-0.58	-347.85	-494.48	-353.62	-488.70	28.53
222	6	243	1.13	0.92	-1.42	-1.05	0.56	-0.85	-255.62	-328.92	-261.41	-323.13	19.78
		225	1.51	1.02	-1.59	-1.08	0.52	-1.03	-339.00	-442.17	-435.34	-345.82	25.65
		222	1.64	0.99	-2.31	-1.77	0.45	-1.22	-394.52	-464.51	-451.77	-407.26	27.01
		240	1.21	0.95	-1.15	-1.08	0.88	-0.39	-254.88	-360.33	-258.44	-356.78	19.03
222	10	243	0.84	0.17	-0.24	-0.17	0.10	-0.15	-195.33	-244.24	-195.34	-244.24	0.30
		225	1.03	0.18	-0.28	-0.16	0.06	-0.20	-261.51	-283.41	-281.54	-263.38	6.12
		222	1.07	0.18	-0.40	-0.26	0.04	-0.25	-278.70	-288.51	-283.99	-283.22	4.89
		240	0.88	0.16	-0.25	-0.21	0.12	-0.13	-195.25	-259.62	-195.25	-259.62	0.58
222	42	243	0.79	0.10	-0.14	-0.10	0.06	-0.09	-182.42	-230.15	-182.42	-230.14	-0.33
		225	0.97	0.12	-0.14	-0.07	0.05	-0.12	-245.55	-269.50	-268.14	-246.91	5.54
		222	1.01	0.13	-0.24	-0.15	0.03	-0.16	-263.59	-273.70	-270.55	-266.74	4.69
		240	0.83	0.11	-0.12	-0.10	0.09	-0.06	-182.28	-245.52	-182.28	-245.51	0.32
223	2	241	1.84	1.42	-1.98	-1.98	1.41	-0.16	-349.72	-554.09	-349.79	-554.02	-3.79
		223	2.53	1.50	-3.69	-3.67	1.48	0.34	-648.86	-687.37	-648.87	-687.36	-0.44
		226	2.25	1.75	-2.90	-2.45	1.30	1.38	-534.64	-644.02	-615.56	-563.10	-47.99
		244	1.70	1.33	-2.06	-1.68	0.95	1.06	-354.23	-506.14	-359.28	-501.09	-27.24
223	6	241	1.34	0.96	-1.33	-1.32	0.95	-0.11	-255.83	-402.74	-255.87	-402.70	-2.54
		223	1.82	1.01	-2.47	-2.46	1.00	0.23	-467.18	-494.73	-467.18	-494.73	-0.35
		226	1.63	1.18	-1.94	-1.63	0.88	0.92	-389.49	-463.94	-444.58	-408.86	-32.66
		244	1.24	0.89	-1.38	-1.13	0.64	0.71	-259.18	-368.35	-262.29	-365.24	-18.16
223	16	241	0.93	0.14	-0.27	-0.26	0.12	0.07	-191.53	-279.27	-191.70	-279.09	3.93
		223	1.12	0.19	-0.36	-0.33	0.16	0.13	-282.45	-310.15	-282.58	-310.02	1.89
		226	1.07	0.21	-0.26	-0.21	0.16	0.14	-279.92	-291.79	-283.59	-288.13	-5.48
		244	0.89	0.14	-0.25	-0.21	0.10	0.11	-196.29	-263.66	-196.31	-263.64	1.19
223	48	241	0.88	0.09	-0.14	-0.14	0.09	0.03	-180.50	-264.16	-180.54	-264.12	1.86
		223	1.06	0.14	-0.22	-0.21	0.12	0.08	-270.63	-291.23	-270.65	-291.21	0.69
		226	1.01	0.15	-0.14	-0.12	0.12	0.09	-264.00	-274.50	-269.60	-268.90	-5.24
		244	0.84	0.09	-0.13	-0.11	0.06	0.07	-183.08	-248.26	-183.09	-248.25	0.55
224	2	244	1.67	1.41	-1.72	-1.61	1.30	0.58	-347.85	-494.48	-353.62	-488.70	-28.53
		226	2.27	1.47	-3.45	-2.65	0.67	1.81	-541.96	-644.71	-626.05	-560.62	-39.61
		188	2.09	1.52	-2.38	-1.63	0.77	1.54	-462.37	-611.95	-601.89	-472.43	-37.47
		237	1.54	1.38	-2.12	-1.57	0.83	1.27	-348.45	-450.90	-358.05	-441.30	-29.85
224	6	244	1.21	0.95	-1.15	-1.08	0.88	0.39	-254.88	-360.33	-258.44	-356.78	-19.03
		226	1.64	0.99	-2.31	-1.77	0.45	1.22	-394.52	-464.51	-451.77	-407.26	-27.01
		188	1.51	1.02	-1.59	-1.08	0.52	1.03	-338.99	-442.17	-435.35	-345.82	-25.65
		237	1.13	0.92	-1.42	-1.05	0.56	0.85	-255.62	-328.92	-261.42	-323.13	-19.78

224	16	244	0.88	0.16	-0.25	-0.21	0.12	0.13	-195.25	-259.62	-195.25	-259.62	-0.58
		226	1.07	0.18	-0.40	-0.26	0.04	0.25	-278.70	-288.52	-283.99	-283.22	-4.89
		188	1.03	0.18	-0.28	-0.16	0.06	0.20	-261.51	-283.41	-281.54	-263.38	-6.12
		237	0.84	0.17	-0.24	-0.17	0.10	0.15	-195.34	-244.24	-195.34	-244.24	-0.30
224	48	244	0.83	0.11	-0.12	-0.10	0.09	0.06	-182.28	-245.52	-182.28	-245.51	-0.32
		226	1.01	0.13	-0.24	-0.15	0.03	0.16	-263.58	-273.71	-270.55	-266.74	-4.69
		188	0.97	0.12	-0.14	-0.07	0.05	0.12	-245.55	-269.51	-268.15	-246.91	-5.55
		237	0.79	0.10	-0.14	-0.10	0.06	0.09	-182.42	-230.15	-182.42	-230.14	0.33
225	1	42	2.34	1.64	-3.77	-3.36	1.23	1.43	-525.41	-677.08	-656.03	-546.46	-52.44
		248	1.65	1.28	-2.91	-2.55	0.92	1.17	-367.62	-485.22	-377.81	-475.02	-33.09
		249	1.77	1.40	-2.85	-2.84	1.38	-0.23	-368.79	-527.64	-368.88	-527.55	-3.86
		43	2.60	1.43	-4.60	-4.58	1.41	0.34	-673.06	-690.82	-690.79	-673.08	-0.63
225	5	42	1.68	1.11	-2.52	-2.24	0.83	0.96	-381.76	-484.26	-469.46	-396.56	-36.03
		248	1.20	0.86	-1.94	-1.70	0.62	0.79	-265.88	-352.42	-272.30	-346.01	-22.67
		249	1.28	0.94	-1.90	-1.89	0.93	-0.16	-266.30	-383.21	-266.36	-383.15	-2.58
		43	1.86	0.96	-3.08	-3.07	0.95	0.23	-484.01	-493.19	-493.17	-484.03	-0.49
225	19	42	1.03	0.22	-0.36	-0.30	0.15	0.18	-269.03	-279.35	-272.14	-276.24	-4.73
		248	0.83	0.15	-0.34	-0.29	0.10	0.15	-183.08	-247.02	-183.08	-247.02	0.28
		249	0.87	0.14	-0.38	-0.35	0.12	0.11	-178.73	-262.94	-179.40	-262.26	7.51
		43	1.08	0.20	-0.47	-0.42	0.15	0.17	-271.22	-299.55	-272.34	-298.43	5.52
225	51	42	0.97	0.15	-0.19	-0.16	0.12	0.11	-250.66	-263.76	-255.93	-258.49	-6.43
		248	0.78	0.09	-0.18	-0.15	0.06	0.09	-167.53	-233.09	-167.61	-233.01	-2.24
		249	0.82	0.09	-0.19	-0.18	0.08	0.05	-165.75	-248.80	-165.90	-248.65	3.58
		43	1.01	0.14	-0.28	-0.25	0.12	0.10	-257.84	-281.32	-258.09	-281.07	2.41
226	1	266	1.76	1.18	-2.24	-0.92	-0.15	1.67	-136.44	-514.02	-511.89	-138.57	28.26
		261	1.13	1.09	-2.49	-1.56	0.15	1.57	-155.36	-336.09	-336.08	-155.37	-1.08
		250	1.41	1.08	-2.34	-1.96	0.69	1.08	-328.03	-407.46	-374.86	-360.62	-39.07
		77	2.07	1.17	-3.18	-2.31	0.31	1.73	-368.02	-622.70	-618.04	-372.68	-34.12
226	5	266	1.26	0.79	-1.50	-0.61	-0.10	1.11	-105.46	-371.91	-370.62	-106.75	18.50
		261	0.81	0.73	-1.66	-1.04	0.10	1.05	-117.00	-242.63	-242.63	-117.00	-0.85
		250	1.03	0.72	-1.56	-1.30	0.46	0.73	-240.67	-294.60	-270.01	-265.26	-26.86
		77	1.49	0.79	-2.12	-1.54	0.21	1.16	-271.84	-446.79	-443.39	-275.24	-24.15
226	18	266	0.79	0.17	-0.28	-0.11	-2.78e-03	0.22	-118.57	-243.85	-243.84	-118.59	1.49
		261	0.55	0.16	-0.23	-0.12	0.04	0.18	-113.50	-163.45	-163.36	-113.59	2.10
		250	0.71	0.14	-0.34	-0.23	0.04	0.20	-177.21	-200.56	-177.94	-199.82	-4.07
		77	0.91	0.17	-0.40	-0.24	2.70e-03	0.26	-211.23	-263.11	-261.99	-212.35	-7.55
226	50	266	0.75	0.10	-0.14	-0.04	-1.08e-03	0.12	-112.98	-231.61	-231.61	-112.99	-0.62
		261	0.50	0.09	-0.12	-0.05	0.02	0.10	-106.91	-150.93	-150.92	-106.92	0.54
		250	0.68	0.09	-0.17	-0.11	0.03	0.11	-163.02	-193.71	-163.90	-192.83	-5.11
		77	0.87	0.11	-0.21	-0.12	0.02	0.15	-204.55	-250.04	-248.16	-206.43	-9.06
227	1	183	2.20	1.31	-3.66	-2.89	0.53	-1.80	-447.76	-651.00	-642.19	-456.57	41.38
		251	1.51	1.22	-2.51	-2.21	0.93	-1.01	-351.26	-436.99	-374.52	-413.73	38.12
		252	1.41	1.21	-2.89	-2.34	0.66	-1.40	-329.65	-403.62	-371.01	-362.27	36.73
		184	2.08	1.36	-2.98	-2.09	0.46	-1.76	-381.28	-623.70	-619.37	-385.61	32.12
227	5	183	1.58	0.88	-2.45	-1.93	0.36	-1.21	-327.77	-466.25	-459.99	-334.04	28.77
		251	1.10	0.82	-1.68	-1.48	0.62	-0.68	-255.49	-317.31	-269.91	-302.89	26.15
		252	1.02	0.81	-1.93	-1.56	0.44	-0.94	-241.53	-292.04	-267.31	-266.27	25.25
		184	1.49	0.91	-1.99	-1.39	0.31	-1.18	-281.05	-447.55	-444.41	-284.18	22.64
227	22	183	0.97	0.18	-0.43	-0.26	0.01	-0.27	-242.81	-269.52	-267.68	-244.65	6.77
		251	0.77	0.16	-0.34	-0.25	0.07	-0.19	-180.19	-225.03	-180.41	-224.80	3.17
		252	0.73	0.17	-0.31	-0.21	0.07	-0.19	-178.17	-207.87	-178.58	-207.46	3.47
		184	0.93	0.18	-0.37	-0.21	0.02	-0.25	-224.33	-266.34	-265.10	-225.57	7.11
227	54	183	0.92	0.12	-0.23	-0.14	0.02	-0.16	-230.40	-255.59	-252.83	-233.16	7.87
		251	0.73	0.10	-0.17	-0.12	0.05	-0.11	-165.21	-213.94	-165.61	-213.55	4.37
		252	0.68	0.10	-0.16	-0.11	0.04	-0.11	-163.05	-196.84	-163.70	-196.19	4.64
		184	0.88	0.12	-0.20	-0.10	0.03	-0.14	-212.30	-251.94	-250.17	-214.06	8.18

228	1	275	1.75	0.70	-2.05	-1.23	-0.12	-1.26	-142.05	-510.52	-508.06	-144.52	-30.05
		268	1.11	0.71	-1.84	-1.33	0.19	-1.02	-155.40	-333.46	-333.43	-155.43	-2.24
		246	1.10	0.49	-2.14	-1.57	-0.08	-1.09	-22.41	-292.00	-287.20	-27.21	-35.66
		185	1.66	0.71	-1.35	-0.63	1.41e-03	-0.98	-13.96	-441.37	-433.28	-22.04	-58.23
228	5	275	1.26	0.47	-1.37	-0.81	-0.08	-0.84	-109.25	-369.54	-368.05	-110.74	-19.66
		268	0.80	0.47	-1.23	-0.88	0.13	-0.69	-117.01	-240.89	-240.87	-117.03	-1.46
		246	0.79	0.33	-1.43	-1.05	-0.05	-0.73	-18.11	-211.50	-208.24	-21.37	-24.92
		185	1.20	0.48	-0.90	-0.42	9.66e-04	-0.65	-12.96	-321.54	-316.34	-18.16	-39.71
228	24	275	0.79	0.11	-0.25	-0.12	-0.02	-0.18	-109.34	-241.89	-241.83	-109.40	-2.83
		268	0.54	0.11	-0.23	-0.12	2.40e-03	-0.16	-104.53	-161.93	-161.67	-104.78	-3.83
		246	0.51	0.10	-0.18	-0.08	1.55e-03	-0.14	-25.89	-145.20	-143.55	-27.54	-13.93
		185	0.80	0.11	-0.20	-0.07	-0.02	-0.15	-25.58	-224.28	-223.35	-26.52	-13.60
228	56	275	0.75	0.08	-0.13	-0.04	-0.01	-0.10	-108.67	-230.57	-230.57	-108.67	0.08
		268	0.50	0.07	-0.12	-0.05	6.17e-03	-0.09	-102.54	-150.19	-150.13	-102.61	-1.73
		246	0.47	0.06	-0.09	-0.03	1.40e-03	-0.07	-24.69	-135.51	-134.38	-25.83	-11.17
		185	0.76	0.07	-0.10	-0.02	-9.29e-03	-0.08	-25.72	-214.99	-214.45	-26.25	-10.03
229	1	77	2.08	1.36	-2.98	-2.09	0.46	1.76	-381.28	-623.70	-619.37	-385.61	-32.12
		250	1.41	1.21	-2.89	-2.34	0.66	1.40	-329.65	-403.63	-371.01	-362.26	-36.73
		253	1.51	1.22	-2.51	-2.21	0.93	1.01	-351.25	-436.99	-374.52	-413.73	-38.12
		186	2.20	1.31	-3.66	-2.89	0.53	1.80	-447.76	-651.00	-642.19	-456.57	-41.38
229	5	77	1.49	0.91	-1.99	-1.39	0.31	1.18	-281.04	-447.55	-444.41	-284.18	-22.64
		250	1.02	0.81	-1.93	-1.56	0.44	0.94	-241.53	-292.05	-267.31	-266.26	-25.25
		253	1.10	0.82	-1.68	-1.48	0.62	0.68	-255.49	-317.31	-269.92	-302.89	-26.15
		186	1.58	0.88	-2.45	-1.93	0.36	1.21	-327.77	-466.25	-459.99	-334.03	-28.78
229	20	77	0.93	0.18	-0.37	-0.21	0.02	0.25	-224.32	-266.34	-265.10	-225.56	-7.11
		250	0.73	0.17	-0.31	-0.21	0.07	0.19	-178.17	-207.87	-178.59	-207.46	-3.47
		253	0.77	0.16	-0.34	-0.25	0.07	0.19	-180.19	-225.02	-180.41	-224.80	-3.18
		186	0.97	0.18	-0.43	-0.26	0.01	0.27	-242.81	-269.52	-267.68	-244.65	-6.77
229	52	77	0.88	0.12	-0.20	-0.10	0.03	0.14	-212.29	-251.94	-250.17	-214.06	-8.19
		250	0.68	0.10	-0.16	-0.11	0.04	0.11	-163.05	-196.84	-163.70	-196.19	-4.64
		253	0.73	0.10	-0.17	-0.12	0.05	0.11	-165.21	-213.94	-165.61	-213.55	-4.38
		186	0.92	0.12	-0.23	-0.14	0.02	0.16	-230.40	-255.60	-252.83	-233.16	-7.88
230	1	186	2.20	1.34	-3.18	-2.54	0.70	1.57	-445.78	-650.73	-641.39	-455.12	-42.75
		253	1.52	1.31	-2.97	-2.46	0.80	1.38	-352.69	-438.19	-375.38	-415.50	-37.75
		248	1.61	1.36	-2.58	-2.50	1.27	0.56	-360.24	-473.92	-371.74	-462.42	-34.28
		42	2.37	1.33	-4.29	-3.56	0.60	1.89	-530.35	-680.99	-666.86	-544.48	-43.92
230	5	186	1.58	0.90	-2.12	-1.69	0.47	1.05	-326.41	-466.08	-459.44	-333.05	-29.72
		253	1.10	0.88	-1.99	-1.64	0.54	0.93	-256.45	-318.15	-270.50	-304.09	-25.88
		248	1.17	0.91	-1.72	-1.67	0.86	0.37	-260.95	-344.59	-268.15	-337.39	-23.46
		42	1.70	0.90	-2.87	-2.38	0.41	1.27	-385.29	-486.88	-476.86	-395.31	-30.28
230	19	186	0.98	0.17	-0.38	-0.24	0.02	0.25	-249.32	-271.13	-268.99	-251.47	-6.49
		253	0.78	0.17	-0.33	-0.25	0.09	0.19	-180.88	-227.99	-181.05	-227.81	-2.88
		248	0.82	0.17	-0.35	-0.29	0.11	0.17	-181.82	-243.00	-181.85	-242.97	-1.38
		42	1.02	0.17	-0.52	-0.34	-2.33e-03	0.30	-267.90	-276.24	-272.50	-271.64	-4.15
230	51	186	0.92	0.12	-0.19	-0.11	0.04	0.14	-233.29	-256.50	-253.42	-236.38	-7.88
		253	0.73	0.11	-0.18	-0.13	0.06	0.11	-165.61	-215.43	-165.95	-215.09	-4.15
		248	0.77	0.11	-0.17	-0.14	0.08	0.08	-166.50	-230.37	-166.64	-230.22	-3.02
		42	0.97	0.12	-0.30	-0.19	0.01	0.19	-250.77	-262.58	-256.81	-256.53	-5.90
231	1	43	2.60	1.43	-4.60	-4.58	1.41	-0.34	-673.06	-690.81	-690.79	-673.08	0.62
		249	1.77	1.40	-2.85	-2.84	1.38	0.23	-368.79	-527.64	-368.88	-527.55	3.85
		254	1.65	1.28	-2.91	-2.55	0.92	-1.17	-367.62	-485.22	-377.81	-475.02	33.08
		187	2.34	1.64	-3.77	-3.36	1.23	-1.43	-525.41	-677.08	-656.03	-546.46	52.43
231	5	43	1.86	0.96	-3.08	-3.07	0.95	-0.23	-484.01	-493.19	-493.17	-484.03	0.48
		249	1.28	0.94	-1.90	-1.89	0.93	0.16	-266.30	-383.21	-266.36	-383.16	2.58
		254	1.20	0.86	-1.94	-1.70	0.62	-0.79	-265.88	-352.42	-272.30	-346.01	22.67
		187	1.68	1.11	-2.52	-2.24	0.83	-0.96	-381.76	-484.26	-469.46	-396.56	36.03

231	19	43	1.06	0.15	-0.42	-0.42	0.15	-8.60e-03	-264.33	-297.19	-270.80	-290.72	13.06
		249	0.86	0.14	-0.35	-0.35	0.13	0.05	-177.56	-259.70	-178.67	-258.59	9.49
		254	0.83	0.11	-0.30	-0.30	0.11	0.02	-182.33	-247.83	-186.07	-244.10	15.20
		187	1.03	0.16	-0.31	-0.31	0.16	-0.01	-249.87	-293.74	-274.33	-269.28	21.79
231	56	43	1.01	0.14	-0.27	-0.25	0.12	-0.08	-257.85	-281.27	-258.08	-281.03	-2.33
		249	0.82	0.09	-0.19	-0.18	0.09	-0.04	-165.75	-248.78	-165.90	-248.63	-3.50
		254	0.78	0.08	-0.18	-0.16	0.06	-0.07	-167.54	-233.08	-167.63	-233.00	2.32
		187	0.97	0.14	-0.19	-0.16	0.12	-0.09	-250.57	-263.82	-255.94	-258.46	6.51
232	1	187	2.37	1.33	-4.29	-3.56	0.60	-1.89	-530.36	-680.98	-666.86	-544.48	43.91
		254	1.61	1.36	-2.58	-2.50	1.27	-0.56	-360.25	-473.91	-371.74	-462.42	34.27
		251	1.52	1.31	-2.97	-2.46	0.80	-1.38	-352.70	-438.18	-375.38	-415.50	37.75
		183	2.20	1.34	-3.18	-2.54	0.70	-1.57	-445.79	-650.73	-641.39	-455.12	42.74
232	5	187	1.70	0.90	-2.87	-2.38	0.41	-1.27	-385.30	-486.87	-476.86	-395.31	30.28
		254	1.17	0.91	-1.72	-1.67	0.86	-0.37	-260.95	-344.59	-268.15	-337.39	23.46
		251	1.10	0.88	-1.99	-1.64	0.54	-0.93	-256.45	-318.15	-270.50	-304.09	25.88
		183	1.58	0.90	-2.12	-1.69	0.47	-1.05	-326.41	-466.08	-459.44	-333.05	29.72
232	21	187	1.02	0.17	-0.52	-0.34	-2.32e-03	-0.30	-267.90	-276.23	-272.50	-271.64	4.14
		254	0.82	0.17	-0.35	-0.29	0.11	-0.17	-181.82	-243.00	-181.85	-242.97	1.38
		251	0.78	0.17	-0.33	-0.25	0.09	-0.19	-180.88	-227.99	-181.05	-227.81	2.87
		183	0.98	0.17	-0.38	-0.24	0.02	-0.25	-249.33	-271.13	-268.99	-251.47	6.49
232	53	187	0.97	0.12	-0.30	-0.19	0.01	-0.19	-250.77	-262.57	-256.81	-256.53	5.90
		254	0.77	0.11	-0.17	-0.14	0.08	-0.08	-166.50	-230.37	-166.64	-230.23	3.02
		251	0.73	0.11	-0.18	-0.13	0.06	-0.11	-165.61	-215.43	-165.95	-215.09	4.15
		183	0.92	0.12	-0.19	-0.11	0.04	-0.14	-233.30	-256.50	-253.42	-236.38	7.88
233	2	90	1.35	1.36	-1.05	-0.84	1.15	0.68	-190.43	-407.50	-191.02	-406.92	-11.30
		237	1.54	1.35	-1.78	-1.33	0.90	1.10	-351.05	-446.92	-360.06	-437.92	-27.97
		238	1.42	1.45	-1.56	-0.91	0.81	1.23	-344.06	-401.69	-357.63	-388.12	-24.45
		101	1.21	1.33	-1.28	-0.91	0.95	0.92	-189.51	-365.53	-190.07	-364.97	-9.97
233	6	90	0.99	0.91	-0.70	-0.56	0.77	0.45	-140.17	-299.03	-140.46	-298.75	-6.71
		237	1.12	0.91	-1.19	-0.89	0.60	0.74	-257.45	-326.25	-262.86	-320.85	-18.51
		238	1.04	0.97	-1.04	-0.61	0.54	0.83	-253.29	-293.46	-261.24	-285.50	-16.01
		101	0.89	0.89	-0.86	-0.61	0.64	0.61	-139.42	-268.78	-139.66	-268.54	-5.62
233	15	90	0.74	0.16	-0.16	-0.11	0.10	0.12	-108.98	-226.18	-109.29	-225.87	6.07
		237	0.81	0.17	-0.20	-0.12	0.09	0.15	-182.46	-238.46	-182.46	-238.46	0.23
		238	0.77	0.17	-0.18	-0.10	0.09	0.15	-183.14	-222.52	-183.17	-222.49	1.10
		101	0.68	0.16	-0.15	-0.09	0.10	0.12	-108.21	-209.68	-108.73	-209.16	7.27
233	47	90	0.70	0.09	-0.08	-0.06	0.06	0.06	-103.28	-215.96	-103.62	-215.62	6.14
		237	0.78	0.10	-0.11	-0.07	0.06	0.09	-176.58	-227.26	-176.59	-227.25	0.64
		238	0.74	0.10	-0.09	-0.05	0.06	0.08	-176.88	-211.29	-176.96	-211.21	1.66
		101	0.65	0.09	-0.08	-0.05	0.06	0.07	-102.13	-199.43	-102.71	-198.85	7.49
234	2	255	0.70	1.15	-1.24	-0.51	0.42	-1.10	-164.54	-198.93	-183.64	-179.82	-17.09
		267	1.07	1.40	-1.36	-0.21	0.25	-1.36	-173.08	-326.64	-325.23	-174.48	-14.62
		239	1.41	1.29	-1.58	-1.02	0.73	-1.14	-340.30	-401.26	-357.94	-383.62	27.64
		84	1.22	1.27	-1.01	-0.74	1.00	-0.74	-192.75	-369.56	-193.49	-368.82	11.44
234	6	255	0.52	0.77	-0.83	-0.34	0.28	-0.74	-120.72	-148.26	-135.00	-133.98	-13.76
		267	0.79	0.94	-0.91	-0.14	0.17	-0.91	-129.97	-239.92	-238.74	-131.15	-11.33
		239	1.03	0.86	-1.06	-0.68	0.49	-0.76	-250.71	-292.86	-261.28	-282.29	18.27
		84	0.90	0.85	-0.68	-0.49	0.67	-0.50	-141.76	-271.73	-142.09	-271.39	6.60
234	10	255	0.44	0.16	-0.11	-0.02	0.07	-0.13	-94.60	-131.49	-106.46	-119.63	-17.23
		267	0.59	0.17	-0.14	-0.02	0.04	-0.15	-122.48	-178.70	-176.50	-124.68	-10.90
		239	0.74	0.16	-0.22	-0.10	0.05	-0.17	-180.18	-212.21	-180.18	-212.21	0.02
		84	0.67	0.15	-0.18	-0.10	0.07	-0.14	-108.10	-205.35	-108.60	-204.85	-6.96
234	41	255	0.42	0.09	-0.06	-7.91e-03	0.04	-0.07	-87.77	-124.86	-100.18	-112.46	-17.50
		267	0.57	0.10	-0.07	-3.87e-03	0.03	-0.08	-115.34	-172.62	-170.25	-117.71	-11.41
		239	0.72	0.10	-0.11	-0.05	0.04	-0.10	-174.86	-205.44	-174.87	-205.43	-0.61
		84	0.65	0.09	-0.09	-0.05	0.04	-0.08	-102.68	-198.44	-103.24	-197.87	-7.36

235	2	147	1.51	1.46	-1.20	-0.99	1.25	-0.70	-188.86	-453.87	-189.32	-453.41	11.03
		240	1.70	1.46	-1.88	-1.57	1.16	-0.96	-355.01	-502.75	-360.60	-497.17	28.18
		241	1.86	1.34	-1.86	-1.86	1.34	0.04	-361.98	-560.09	-361.99	-560.08	1.28
		107	1.67	1.42	-1.14	-1.14	1.41	0.10	-185.92	-496.05	-185.92	-496.05	0.96
235	6	147	1.11	0.98	-0.80	-0.66	0.84	-0.47	-139.09	-332.16	-139.32	-331.93	6.76
		240	1.23	0.98	-1.25	-1.05	0.78	-0.64	-259.77	-365.99	-263.19	-362.57	18.75
		241	1.35	0.90	-1.25	-1.24	0.90	0.03	-264.22	-406.86	-264.22	-406.86	0.90
		107	1.21	0.95	-0.76	-0.76	0.95	0.07	-136.99	-362.40	-136.99	-362.39	0.65
235	9	147	0.80	0.15	-0.14	-0.12	0.13	-0.07	-108.60	-245.58	-108.86	-245.31	-6.03
		240	0.87	0.16	-0.16	-0.14	0.14	-0.08	-182.27	-260.39	-182.32	-260.35	-1.82
		241	0.92	0.15	-0.18	-0.17	0.14	-0.07	-183.09	-278.08	-183.19	-277.98	-3.05
		107	0.85	0.15	-0.16	-0.15	0.13	-0.06	-108.39	-260.75	-108.46	-260.68	-3.31
235	41	147	0.76	0.09	-0.07	-0.06	0.08	-0.04	-103.19	-233.67	-103.40	-233.46	-5.23
		240	0.83	0.10	-0.09	-0.08	0.09	-0.05	-176.42	-246.44	-176.44	-246.43	-1.00
		241	0.88	0.10	-0.10	-0.09	0.09	-0.03	-177.24	-264.07	-177.26	-264.05	-1.30
		107	0.81	0.09	-0.08	-0.08	0.08	-0.03	-102.93	-248.83	-102.95	-248.81	-1.57
236	2	257	0.69	0.89	-0.82	-0.38	0.45	0.75	-160.67	-199.53	-183.20	-177.00	19.18
		276	1.07	1.01	-1.14	-0.35	0.22	1.03	-172.46	-325.00	-323.09	-174.38	17.00
		242	1.06	0.93	-0.81	0.06	0.06	0.87	-25.40	-292.74	-284.17	-33.96	47.09
		2	0.64	0.54	-1.05	-0.54	0.04	0.74	-24.93	-175.32	-162.47	-37.78	42.04
236	6	257	0.51	0.60	-0.55	-0.25	0.30	0.50	-118.11	-148.64	-134.78	-131.97	15.20
		276	0.79	0.68	-0.76	-0.23	0.15	0.69	-129.50	-238.90	-237.36	-131.05	12.91
		242	0.78	0.62	-0.54	0.04	0.04	0.58	-20.20	-216.38	-210.25	-26.33	34.14
		2	0.47	0.36	-0.70	-0.36	0.02	0.49	-18.96	-129.71	-120.03	-28.65	31.29
236	15	257	0.42	0.11	-0.12	-0.03	0.02	0.11	-89.50	-125.79	-105.25	-110.04	17.99
		276	0.58	0.12	-0.14	-0.03	4.63e-03	0.13	-112.26	-177.14	-174.86	-114.54	11.95
		242	0.59	0.12	-0.10	8.57e-03	3.41e-03	0.11	-27.74	-168.90	-165.51	-31.13	21.60
		2	0.37	0.11	-0.09	4.24e-03	0.02	0.10	-22.58	-106.18	-97.68	-31.08	25.27
236	47	257	0.41	0.07	-0.06	-0.01	0.02	0.06	-85.16	-122.03	-99.86	-107.33	18.05
		276	0.57	0.07	-0.08	-8.42e-03	6.97e-03	0.07	-110.32	-172.01	-169.63	-112.69	11.87
		242	0.57	0.07	-0.05	0.01	2.36e-03	0.06	-26.04	-163.92	-160.62	-29.34	21.08
		2	0.35	0.06	-0.04	5.59e-03	0.01	0.05	-19.94	-101.10	-92.61	-28.44	24.84
237	2	84	1.21	1.33	-1.28	-0.91	0.95	-0.92	-189.51	-365.53	-190.07	-364.97	9.96
		239	1.42	1.45	-1.56	-0.91	0.81	-1.23	-344.06	-401.69	-357.63	-388.12	24.45
		243	1.54	1.35	-1.78	-1.33	0.90	-1.10	-351.05	-446.92	-360.06	-437.92	27.97
		138	1.35	1.36	-1.05	-0.84	1.15	-0.68	-190.43	-407.50	-191.02	-406.92	11.30
237	6	84	0.89	0.89	-0.86	-0.61	0.64	-0.61	-139.42	-268.78	-139.66	-268.54	5.62
		239	1.04	0.97	-1.04	-0.61	0.54	-0.83	-253.29	-293.46	-261.24	-285.50	16.01
		243	1.12	0.91	-1.19	-0.89	0.60	-0.74	-257.45	-326.25	-262.85	-320.85	18.51
		138	0.99	0.91	-0.70	-0.56	0.77	-0.45	-140.17	-299.03	-140.46	-298.75	6.70
237	9	84	0.68	0.16	-0.15	-0.09	0.10	-0.12	-108.21	-209.68	-108.73	-209.16	-7.27
		239	0.77	0.17	-0.18	-0.10	0.09	-0.15	-183.14	-222.52	-183.17	-222.49	-1.10
		243	0.81	0.17	-0.20	-0.12	0.09	-0.15	-182.46	-238.46	-182.46	-238.46	-0.23
		138	0.74	0.16	-0.16	-0.11	0.10	-0.12	-108.98	-226.18	-109.29	-225.87	-6.07
237	41	84	0.65	0.09	-0.08	-0.05	0.06	-0.07	-102.13	-199.43	-102.71	-198.85	-7.49
		239	0.74	0.10	-0.09	-0.05	0.06	-0.08	-176.88	-211.29	-176.96	-211.21	-1.66
		243	0.78	0.10	-0.11	-0.07	0.06	-0.09	-176.58	-227.26	-176.59	-227.25	-0.64
		138	0.70	0.09	-0.08	-0.06	0.06	-0.06	-103.28	-215.96	-103.62	-215.62	-6.14
238	2	138	1.35	1.40	-1.22	-0.90	1.09	-0.85	-190.69	-408.20	-191.27	-407.62	11.24
		243	1.54	1.40	-1.65	-1.23	0.98	-1.05	-350.35	-447.06	-359.55	-437.86	28.37
		240	1.68	1.34	-1.78	-1.48	1.03	-0.93	-358.44	-497.47	-363.37	-492.54	25.72
		147	1.49	1.38	-1.14	-1.04	1.29	-0.48	-187.85	-446.21	-188.32	-445.74	10.95
238	6	138	0.99	0.94	-0.81	-0.60	0.73	-0.57	-140.34	-299.51	-140.62	-299.23	6.65
		243	1.12	0.94	-1.10	-0.82	0.66	-0.71	-256.97	-326.35	-262.51	-320.81	18.80
		240	1.22	0.90	-1.19	-0.99	0.69	-0.62	-262.19	-362.51	-265.19	-359.50	17.11
		147	1.09	0.93	-0.76	-0.69	0.86	-0.32	-138.35	-326.79	-138.59	-326.56	6.71

238	9	138	0.74	0.16	-0.16	-0.11	0.11	-0.11	-109.34	-228.45	-109.70	-228.09	-6.58
		243	0.82	0.17	-0.17	-0.11	0.12	-0.12	-183.00	-241.43	-183.00	-241.43	-0.21
		240	0.86	0.17	-0.20	-0.14	0.11	-0.13	-182.96	-258.00	-182.96	-258.00	-0.15
		147	0.79	0.16	-0.16	-0.13	0.12	-0.10	-107.94	-242.40	-108.14	-242.20	-5.21
238	41	138	0.71	0.09	-0.08	-0.06	0.07	-0.06	-103.44	-217.11	-103.81	-216.74	-6.44
		243	0.78	0.11	-0.09	-0.06	0.08	-0.07	-176.82	-228.69	-176.82	-228.68	-0.55
		240	0.82	0.11	-0.11	-0.08	0.07	-0.08	-177.34	-245.37	-177.34	-245.37	-0.22
		147	0.75	0.09	-0.08	-0.07	0.08	-0.05	-102.62	-231.14	-102.80	-230.96	-4.81
239	2	107	1.67	1.42	-1.14	-1.14	1.41	-0.10	-185.92	-496.05	-185.92	-496.05	-0.96
		241	1.86	1.34	-1.86	-1.86	1.34	-0.04	-361.98	-560.09	-361.99	-560.08	-1.28
		244	1.70	1.46	-1.88	-1.57	1.16	0.96	-355.01	-502.76	-360.60	-497.17	-28.18
		155	1.51	1.46	-1.20	-0.99	1.25	0.70	-188.86	-453.87	-189.32	-453.41	-11.04
239	6	107	1.21	0.95	-0.76	-0.76	0.95	-0.07	-136.99	-362.40	-136.99	-362.39	-0.65
		241	1.35	0.90	-1.25	-1.24	0.90	-0.03	-264.22	-406.86	-264.22	-406.86	-0.90
		244	1.23	0.98	-1.25	-1.05	0.78	0.64	-259.77	-365.99	-263.19	-362.57	-18.75
		155	1.11	0.98	-0.80	-0.66	0.84	0.47	-139.09	-332.16	-139.32	-331.93	-6.76
239	15	107	0.85	0.15	-0.16	-0.15	0.13	0.06	-108.39	-260.75	-108.46	-260.68	3.31
		241	0.92	0.15	-0.18	-0.17	0.14	0.07	-183.09	-278.08	-183.19	-277.98	3.05
		244	0.87	0.16	-0.16	-0.14	0.14	0.08	-182.27	-260.39	-182.32	-260.35	1.82
		155	0.80	0.15	-0.14	-0.12	0.13	0.07	-108.60	-245.58	-108.86	-245.31	6.03
239	47	107	0.81	0.09	-0.08	-0.08	0.08	0.03	-102.93	-248.83	-102.95	-248.81	1.57
		241	0.88	0.10	-0.10	-0.09	0.09	0.03	-177.24	-264.07	-177.26	-264.05	1.30
		244	0.83	0.10	-0.09	-0.08	0.09	0.05	-176.42	-246.44	-176.44	-246.43	1.00
		155	0.76	0.09	-0.07	-0.06	0.08	0.04	-103.19	-233.67	-103.40	-233.46	5.23
240	2	155	1.49	1.38	-1.14	-1.04	1.29	0.48	-187.85	-446.21	-188.32	-445.74	-10.95
		244	1.68	1.34	-1.78	-1.48	1.03	0.93	-358.44	-497.47	-363.37	-492.54	-25.72
		237	1.54	1.40	-1.65	-1.23	0.98	1.05	-350.35	-447.06	-359.55	-437.86	-28.37
		90	1.35	1.40	-1.22	-0.90	1.09	0.85	-190.69	-408.20	-191.27	-407.62	-11.24
240	6	155	1.09	0.93	-0.76	-0.69	0.86	0.32	-138.35	-326.80	-138.59	-326.56	-6.71
		244	1.22	0.90	-1.19	-0.99	0.69	0.62	-262.19	-362.51	-265.20	-359.50	-17.11
		237	1.12	0.94	-1.10	-0.82	0.66	0.71	-256.97	-326.35	-262.51	-320.81	-18.80
		90	0.99	0.94	-0.81	-0.60	0.73	0.57	-140.34	-299.51	-140.62	-299.23	-6.66
240	15	155	0.79	0.16	-0.16	-0.13	0.12	0.10	-107.94	-242.40	-108.14	-242.20	5.21
		244	0.86	0.17	-0.20	-0.14	0.11	0.13	-182.96	-258.00	-182.96	-258.00	0.15
		237	0.82	0.17	-0.17	-0.11	0.12	0.12	-183.00	-241.43	-183.00	-241.43	0.21
		90	0.74	0.16	-0.16	-0.11	0.11	0.11	-109.34	-228.45	-109.70	-228.09	6.58
240	47	155	0.75	0.09	-0.08	-0.07	0.08	0.05	-102.62	-231.14	-102.80	-230.96	4.81
		244	0.82	0.11	-0.11	-0.08	0.07	0.08	-177.34	-245.37	-177.34	-245.37	0.22
		237	0.78	0.11	-0.09	-0.06	0.08	0.07	-176.82	-228.69	-176.82	-228.68	0.55
		90	0.71	0.09	-0.08	-0.06	0.07	0.06	-103.44	-217.11	-103.81	-216.74	6.44
241	1	126	1.97	0.52	-1.10	-0.55	-0.03	0.76	-3.11	-520.75	-501.20	-22.67	98.68
		121	1.96	0.42	-1.54	-0.97	-0.15	0.89	-3.67	-515.00	-499.06	-19.61	88.86
		259	2.16	0.40	-1.67	-0.92	-0.35	1.00	-112.11	-616.10	-596.86	-131.35	96.56
		260	2.20	0.30	-1.60	-0.86	-0.44	0.92	-99.16	-622.06	-589.58	-131.64	126.22
241	5	126	1.44	0.35	-0.73	-0.36	-0.02	0.51	-6.70	-384.50	-372.56	-18.64	66.10
		121	1.43	0.28	-1.02	-0.64	-0.10	0.60	-6.68	-378.48	-368.62	-16.53	59.73
		259	1.56	0.27	-1.11	-0.61	-0.24	0.67	-90.85	-448.03	-436.21	-102.67	63.89
		260	1.59	0.20	-1.06	-0.57	-0.29	0.62	-83.02	-453.83	-433.84	-103.01	83.75
241	35	126	1.13	0.28	-0.16	0.24	-0.12	0.13	-35.73	-315.95	-315.55	-36.13	10.62
		121	1.06	0.28	-0.14	0.24	-0.10	0.12	-35.94	-297.35	-296.85	-36.45	11.48
		259	1.05	0.23	-0.20	0.16	-0.13	0.16	-124.41	-318.08	-318.02	-124.47	3.20
		260	1.11	0.23	-0.23	0.16	-0.16	0.17	-124.63	-336.58	-336.49	-124.71	4.28
241	67	126	1.08	0.16	-0.08	0.14	-0.06	0.07	-31.00	-301.59	-301.44	-31.15	6.35
		121	1.01	0.16	-0.07	0.14	-0.05	0.06	-30.80	-282.87	-282.65	-31.02	7.44
		259	0.99	0.14	-0.11	0.10	-0.07	0.09	-118.70	-302.13	-302.13	-118.70	-0.32
		260	1.06	0.14	-0.12	0.10	-0.09	0.09	-119.39	-320.68	-320.68	-119.39	0.53

242	1	247	1.07	0.84	-1.47	-0.72	0.09	1.08	-22.64	-287.27	-282.66	-27.25	34.63
		109	0.58	0.52	-2.04	-1.52	6.31e-04	1.03	-25.61	-152.16	-148.34	-29.43	21.66
		256	0.64	0.70	-1.34	-1.11	0.48	0.64	-152.38	-177.66	-177.63	-152.42	-0.88
		261	1.11	0.73	-1.77	-1.25	0.21	1.01	-155.94	-331.07	-331.01	-155.99	3.05
242	5	247	0.77	0.56	-0.98	-0.48	0.06	0.72	-18.24	-208.12	-205.01	-21.36	24.11
		109	0.41	0.35	-1.36	-1.01	6.81e-04	0.69	-19.82	-109.74	-107.05	-22.52	15.33
		256	0.46	0.47	-0.89	-0.74	0.32	0.43	-113.87	-128.20	-128.19	-113.88	-0.36
		261	0.80	0.49	-1.18	-0.83	0.14	0.68	-117.45	-239.32	-239.29	-117.48	1.93
242	21	247	0.48	0.05	-0.14	-0.13	0.04	0.06	-21.68	-135.48	-135.01	-22.14	7.25
		109	0.25	0.06	-0.15	-0.13	0.05	0.05	-22.29	-73.16	-72.57	-22.88	5.48
		256	0.34	0.08	-0.16	-0.14	0.05	0.07	-87.29	-94.06	-87.58	-93.77	-1.37
		261	0.51	0.07	-0.16	-0.13	0.04	0.08	-99.50	-153.39	-153.23	-99.67	-2.95
242	53	247	0.45	0.03	-0.07	-0.05	0.02	0.03	-22.53	-129.98	-129.46	-23.05	7.45
		109	0.23	0.03	-0.07	-0.06	0.02	0.03	-21.45	-67.51	-66.68	-22.28	6.11
		256	0.33	0.05	-0.08	-0.06	0.03	0.04	-80.19	-92.87	-80.20	-92.86	0.22
		261	0.49	0.05	-0.08	-0.06	0.03	0.05	-100.34	-146.25	-146.18	-100.41	-1.83
243	4	129	2.24	2.93	-0.79	2.84	-0.70	-0.59	-63.19	-604.62	-601.45	-66.35	41.28
		123	2.38	3.01	-0.81	2.97	-0.78	0.37	-56.38	-639.00	-635.57	-59.81	44.57
		262	2.40	2.07	-2.05	2.06	-2.04	0.20	-303.71	-721.47	-714.67	-310.51	52.85
		263	2.20	2.13	-1.78	1.89	-1.54	-0.95	-294.13	-660.40	-646.51	-308.02	69.96
243	8	129	1.64	1.96	-0.53	1.90	-0.47	-0.40	-46.27	-442.93	-441.14	-48.05	26.56
		123	1.73	2.01	-0.54	1.99	-0.52	0.24	-41.49	-467.41	-465.36	-43.54	29.43
		262	1.74	1.39	-1.37	1.38	-1.37	0.13	-218.37	-524.27	-520.22	-222.43	34.98
		263	1.60	1.43	-1.19	1.26	-1.03	-0.64	-212.57	-481.22	-472.98	-220.81	46.31
243	26	129	1.18	0.32	-0.11	0.31	-0.11	-0.03	-39.12	-328.98	-328.92	-39.18	-4.20
		123	1.22	0.32	-0.13	0.32	-0.13	-0.04	-36.62	-340.25	-340.25	-36.62	-0.32
		262	1.19	0.25	-0.18	0.24	-0.17	-0.06	-125.58	-359.85	-359.85	-125.58	0.61
		263	1.15	0.24	-0.14	0.24	-0.13	-0.05	-127.27	-346.66	-346.66	-127.28	1.28
243	58	129	1.13	0.17	-0.06	0.17	-0.05	-0.02	-33.63	-314.80	-314.68	-33.74	-5.76
		123	1.17	0.18	-0.06	0.18	-0.06	-0.02	-31.88	-325.86	-325.85	-31.89	-1.25
		262	1.14	0.15	-0.10	0.14	-0.10	-0.03	-120.46	-343.55	-343.55	-120.46	-0.68
		263	1.09	0.15	-0.08	0.14	-0.07	-0.03	-121.45	-330.21	-330.21	-121.45	-0.64
244	4	123	2.38	3.08	-0.75	3.08	-0.75	-7.75e-03	-56.61	-638.89	-635.76	-59.74	42.56
		126	2.14	2.84	-1.00	2.59	-0.75	0.95	-59.22	-580.28	-576.55	-62.94	43.92
		260	2.09	2.37	-2.12	1.83	-1.58	1.46	-298.14	-630.47	-628.21	-300.41	27.35
		262	2.40	2.06	-2.07	2.04	-2.05	0.29	-304.95	-720.59	-715.01	-310.52	47.82
244	8	123	1.74	2.06	-0.50	2.06	-0.50	-5.43e-03	-41.62	-467.34	-465.49	-43.48	28.05
		126	1.57	1.90	-0.66	1.73	-0.50	0.63	-43.33	-425.58	-423.27	-45.64	29.62
		260	1.52	1.59	-1.41	1.23	-1.05	0.97	-214.04	-460.86	-459.56	-215.34	17.87
		262	1.74	1.38	-1.38	1.37	-1.37	0.19	-219.15	-523.75	-520.45	-222.44	31.50
244	35	123	1.23	0.29	-0.15	0.28	-0.13	0.08	-36.14	-341.74	-341.55	-36.33	7.70
		126	1.15	0.29	-0.13	0.27	-0.11	0.07	-37.21	-321.63	-321.18	-37.66	11.36
		260	1.12	0.22	-0.16	0.20	-0.14	0.09	-123.77	-339.17	-339.02	-123.91	5.55
		262	1.20	0.23	-0.20	0.20	-0.17	0.10	-125.25	-361.68	-361.49	-125.44	6.71
244	67	123	1.17	0.17	-0.07	0.16	-0.06	0.04	-31.70	-326.50	-326.48	-31.72	2.47
		126	1.10	0.16	-0.06	0.15	-0.06	0.04	-32.29	-306.16	-305.99	-32.46	6.80
		260	1.06	0.14	-0.09	0.13	-0.07	0.05	-118.29	-321.80	-321.79	-118.30	1.27
		262	1.14	0.14	-0.11	0.13	-0.10	0.05	-120.41	-344.39	-344.38	-120.42	1.77
245	4	115	2.05	2.75	-0.88	2.64	-0.77	-0.62	-63.17	-554.59	-551.65	-66.11	37.89
		129	2.20	2.79	-0.78	2.77	-0.76	-0.25	-61.14	-594.04	-590.84	-64.33	41.15
		263	2.18	2.05	-1.78	1.81	-1.54	-0.93	-296.58	-654.02	-640.47	-310.12	68.24
		264	1.99	2.04	-1.66	1.58	-1.19	-1.22	-293.17	-598.13	-583.28	-308.02	65.64
245	8	115	1.50	1.84	-0.59	1.76	-0.52	-0.41	-46.13	-407.27	-405.66	-47.74	24.11
		129	1.61	1.87	-0.52	1.86	-0.51	-0.17	-44.75	-435.41	-433.60	-46.55	26.51
		263	1.58	1.37	-1.19	1.21	-1.03	-0.62	-214.38	-477.01	-468.99	-222.40	45.18
		264	1.45	1.37	-1.11	1.06	-0.80	-0.82	-212.29	-437.68	-428.96	-221.02	43.48

245	26	115	1.11	0.30	-0.11	0.29	-0.09	-0.08	-38.72	-311.61	-311.52	-38.80	-4.77
		129	1.16	0.31	-0.13	0.29	-0.11	-0.09	-37.81	-325.03	-324.99	-37.85	-3.43
		263	1.14	0.24	-0.19	0.20	-0.15	-0.13	-128.19	-344.71	-344.69	-128.22	2.24
		264	1.09	0.23	-0.16	0.20	-0.12	-0.12	-129.25	-330.66	-330.62	-129.29	2.81
245	58	115	1.06	0.17	-0.06	0.16	-0.05	-0.04	-32.81	-297.57	-297.39	-32.99	-6.75
		129	1.12	0.17	-0.06	0.16	-0.05	-0.05	-32.41	-311.05	-310.96	-32.51	-5.24
		263	1.08	0.14	-0.11	0.12	-0.08	-0.07	-122.62	-329.39	-329.39	-122.62	-0.13
		264	1.03	0.14	-0.09	0.12	-0.06	-0.07	-123.22	-315.23	-315.23	-123.22	0.28
246	4	228	1.51	2.29	-0.91	1.98	-0.61	-0.94	-69.94	-417.09	-416.42	-70.60	15.23
		115	2.07	2.63	-0.67	2.58	-0.63	-0.39	-66.08	-562.06	-558.88	-69.26	39.61
		264	1.98	1.96	-1.70	1.55	-1.30	-1.15	-291.27	-596.10	-580.16	-307.22	67.87
		265	1.40	2.02	-1.53	1.01	-0.52	-1.60	-277.43	-415.47	-407.88	-285.02	31.46
246	8	228	1.11	1.53	-0.61	1.33	-0.41	-0.63	-50.58	-308.84	-308.58	-50.84	8.18
		115	1.51	1.76	-0.45	1.73	-0.42	-0.26	-48.28	-412.74	-410.98	-50.05	25.30
		264	1.45	1.31	-1.14	1.04	-0.86	-0.77	-210.87	-436.12	-426.72	-220.27	45.04
		265	1.03	1.35	-1.02	0.67	-0.35	-1.07	-201.39	-308.24	-304.28	-205.35	20.17
246	26	228	0.90	0.28	-0.08	0.25	-0.05	-0.10	-39.55	-255.67	-255.08	-40.13	-11.23
		115	1.11	0.29	-0.15	0.25	-0.10	-0.13	-39.30	-310.53	-310.46	-39.37	-4.31
		264	1.05	0.23	-0.22	0.14	-0.13	-0.17	-125.96	-321.01	-320.96	-126.01	3.18
		265	0.86	0.21	-0.14	0.14	-0.07	-0.14	-126.48	-264.40	-264.38	-126.50	-1.68
246	58	228	0.86	0.15	-0.04	0.13	-0.02	-0.05	-33.19	-244.11	-243.29	-34.00	-13.08
		115	1.07	0.16	-0.07	0.14	-0.05	-0.07	-33.90	-298.99	-298.83	-34.05	-6.36
		264	1.02	0.14	-0.12	0.09	-0.07	-0.10	-120.81	-309.95	-309.95	-120.82	0.75
		265	0.82	0.12	-0.07	0.08	-0.03	-0.08	-120.46	-253.33	-253.21	-120.58	-3.91
247	1	121	1.98	0.47	-1.01	-0.49	-0.05	0.71	-5.55	-524.82	-509.20	-21.17	88.69
		227	1.68	0.47	-1.96	-1.35	-0.14	1.05	-11.97	-443.11	-434.59	-20.49	60.01
		266	1.77	0.59	-2.03	-1.28	-0.16	1.18	-139.76	-516.98	-514.35	-142.38	31.35
		259	2.18	0.59	-1.89	-0.93	-0.38	1.21	-110.45	-620.42	-602.42	-128.45	94.10
247	5	121	1.44	0.32	-0.67	-0.32	-0.03	0.47	-8.13	-385.55	-375.90	-17.79	59.60
		227	1.22	0.31	-1.30	-0.90	-0.09	0.70	-11.57	-322.72	-317.22	-17.06	40.99
		266	1.27	0.40	-1.35	-0.85	-0.11	0.79	-107.72	-373.98	-372.37	-109.33	20.63
		259	1.57	0.40	-1.26	-0.61	-0.25	0.81	-89.49	-450.81	-439.76	-100.53	62.20
247	18	121	1.06	0.12	-0.19	-0.03	-0.04	0.16	-26.58	-294.98	-294.14	-27.42	14.98
		227	0.82	0.12	-0.16	-0.03	-0.01	0.14	-25.53	-228.73	-227.43	-26.83	16.19
		266	0.82	0.12	-0.23	-0.09	-0.02	0.17	-110.60	-250.28	-250.01	-110.87	6.09
		259	1.04	0.12	-0.26	-0.08	-0.06	0.19	-112.92	-315.02	-314.79	-113.15	6.83
247	50	121	1.02	0.08	-0.09	7.96e-03	-0.02	0.08	-27.17	-283.65	-283.33	-27.49	9.05
		227	0.77	0.07	-0.08	-2.23e-03	-5.57e-03	0.07	-25.44	-217.18	-216.47	-26.15	11.64
		266	0.76	0.08	-0.12	-0.03	-7.76e-03	0.10	-109.38	-235.05	-235.02	-109.41	1.89
		259	0.98	0.08	-0.13	-0.02	-0.03	0.11	-112.41	-299.95	-299.94	-112.42	1.25
248	2	245	1.09	0.65	-1.08	-0.39	-0.03	-0.84	-25.51	-296.97	-288.43	-34.05	-47.40
		228	1.53	1.07	-0.68	0.39	-4.34e-03	-0.85	-16.06	-415.34	-405.05	-26.34	-63.26
		265	1.60	1.10	-1.35	-0.18	-0.07	-1.22	-152.97	-479.89	-475.54	-157.32	-37.47
		267	1.08	1.02	-1.21	-0.40	0.22	-1.07	-172.15	-327.12	-325.44	-173.83	-16.04
248	6	245	0.80	0.44	-0.72	-0.26	-0.02	-0.56	-20.30	-219.40	-213.27	-26.44	-34.40
		228	1.13	0.72	-0.46	0.27	-2.87e-03	-0.57	-14.59	-307.75	-300.97	-21.37	-44.08
		265	1.17	0.74	-0.90	-0.11	-0.05	-0.82	-117.37	-352.13	-349.29	-120.21	-25.68
		267	0.79	0.68	-0.81	-0.27	0.15	-0.72	-129.23	-240.28	-238.90	-130.61	-12.33
248	12	245	0.61	0.14	-0.09	0.05	4.69e-03	-0.11	-28.80	-175.65	-172.00	-32.45	-22.86
		228	0.88	0.16	-0.12	0.06	-0.02	-0.13	-28.88	-247.53	-246.12	-30.28	-17.45
		265	0.85	0.15	-0.17	3.43e-03	-0.03	-0.16	-117.12	-260.29	-259.93	-117.48	-7.17
		267	0.61	0.13	-0.13	-3.44e-03	2.91e-03	-0.13	-113.26	-185.39	-183.01	-115.64	-12.89
248	44	245	0.59	0.08	-0.04	0.03	2.92e-03	-0.06	-26.67	-167.92	-164.44	-30.15	-21.90
		228	0.85	0.09	-0.06	0.04	-0.01	-0.07	-28.21	-240.02	-238.84	-29.40	-15.80
		265	0.82	0.09	-0.09	0.01	-0.01	-0.09	-115.93	-250.94	-250.66	-116.22	-6.18
		267	0.58	0.08	-0.07	3.47e-03	6.42e-03	-0.08	-110.44	-175.97	-173.46	-112.95	-12.58

249	1	227	1.66	0.71	-1.35	-0.63	1.41e-03	0.98	-13.96	-441.37	-433.29	-22.04	58.23
		247	1.10	0.49	-2.14	-1.57	-0.08	1.09	-22.41	-292.01	-287.21	-27.21	35.65
		261	1.11	0.71	-1.84	-1.33	0.19	1.02	-155.40	-333.47	-333.44	-155.43	2.23
		266	1.75	0.70	-2.05	-1.23	-0.12	1.26	-142.05	-510.52	-508.06	-144.51	30.04
249	5	227	1.20	0.48	-0.90	-0.42	9.65e-04	0.65	-12.96	-321.54	-316.34	-18.16	39.71
		247	0.79	0.33	-1.43	-1.05	-0.05	0.73	-18.11	-211.51	-208.24	-21.37	24.91
		261	0.80	0.47	-1.23	-0.88	0.13	0.69	-117.01	-240.89	-240.87	-117.03	1.46
		266	1.26	0.47	-1.37	-0.81	-0.08	0.84	-109.25	-369.54	-368.05	-110.74	19.66
249	18	227	0.80	0.11	-0.20	-0.07	-0.02	0.15	-25.58	-224.28	-223.35	-26.52	13.59
		247	0.51	0.10	-0.18	-0.08	1.55e-03	0.14	-25.89	-145.21	-143.56	-27.54	13.93
		261	0.54	0.11	-0.23	-0.12	2.40e-03	0.16	-104.53	-161.93	-161.67	-104.78	3.83
		266	0.79	0.11	-0.25	-0.12	-0.02	0.18	-109.34	-241.89	-241.83	-109.40	2.82
249	50	227	0.76	0.07	-0.10	-0.02	-9.29e-03	0.08	-25.72	-214.99	-214.46	-26.25	10.02
		247	0.47	0.06	-0.09	-0.03	1.40e-03	0.07	-24.69	-135.52	-134.38	-25.83	11.17
		261	0.50	0.07	-0.12	-0.05	6.17e-03	0.09	-102.54	-150.19	-150.13	-102.60	1.73
		266	0.75	0.08	-0.13	-0.04	-0.01	0.10	-108.66	-230.58	-230.58	-108.66	-0.08
250	2	1	0.64	0.54	-1.05	-0.54	0.04	-0.74	-24.92	-175.32	-162.47	-37.78	-42.04
		245	1.06	0.93	-0.81	0.06	0.06	-0.87	-25.39	-292.73	-284.17	-33.96	-47.09
		267	1.07	1.01	-1.14	-0.35	0.22	-1.03	-172.46	-325.00	-323.08	-174.38	-17.00
		255	0.69	0.89	-0.82	-0.38	0.45	-0.75	-160.67	-199.53	-183.20	-177.00	-19.18
250	6	1	0.47	0.36	-0.70	-0.36	0.02	-0.49	-18.96	-129.71	-120.03	-28.65	-31.29
		245	0.78	0.62	-0.54	0.04	0.04	-0.58	-20.20	-216.38	-210.25	-26.33	-34.14
		267	0.79	0.68	-0.76	-0.23	0.15	-0.69	-129.50	-238.90	-237.36	-131.05	-12.91
		255	0.51	0.60	-0.55	-0.25	0.30	-0.50	-118.11	-148.64	-134.78	-131.97	-15.20
250	9	1	0.37	0.11	-0.09	4.24e-03	0.02	-0.10	-22.58	-106.18	-97.68	-31.08	-25.27
		245	0.59	0.12	-0.10	8.57e-03	3.41e-03	-0.11	-27.74	-168.90	-165.51	-31.13	-21.60
		267	0.58	0.12	-0.14	-0.03	4.63e-03	-0.13	-112.26	-177.14	-174.86	-114.54	-11.95
		255	0.42	0.11	-0.12	-0.03	0.02	-0.11	-89.50	-125.79	-105.25	-110.04	-17.99
250	41	1	0.35	0.06	-0.04	5.59e-03	0.01	-0.05	-19.94	-101.10	-92.61	-28.44	-24.84
		245	0.57	0.07	-0.05	0.01	2.36e-03	-0.06	-26.04	-163.92	-160.62	-29.34	-21.08
		267	0.57	0.07	-0.08	-8.42e-03	6.97e-03	-0.07	-110.32	-172.01	-169.63	-112.69	-11.87
		255	0.41	0.07	-0.06	-0.01	0.02	-0.06	-85.16	-122.03	-99.85	-107.33	-18.05
251	3	252	1.58	1.75	-2.10	-0.16	-0.20	-1.93	-107.37	-450.61	-177.37	-380.60	-138.30
		81	1.44	1.39	-1.39	-0.06	0.06	-1.39	-8.19	-377.93	-79.85	-306.28	-146.14
		258	0.90	1.15	-2.09	-0.01	-0.93	-1.56	-14.67	-230.75	-71.48	-173.93	-95.13
		268	0.97	1.39	-1.73	0.38	-0.72	-1.46	-119.03	-283.82	-180.67	-222.18	-79.74
251	7	252	1.12	1.17	-1.41	-0.11	-0.13	-1.29	-93.34	-323.53	-138.34	-278.53	-91.29
		81	1.01	0.93	-0.93	-0.04	0.04	-0.93	-18.77	-272.63	-64.00	-227.39	-97.15
		258	0.63	0.77	-1.40	-8.44e-03	-0.62	-1.04	-19.99	-165.77	-57.41	-128.35	-63.68
		268	0.69	0.93	-1.15	0.25	-0.48	-0.97	-96.00	-204.58	-139.01	-161.57	-53.11
251	37	252	0.68	0.18	-0.28	-0.06	-0.04	-0.23	-150.38	-202.05	-151.75	-200.68	-8.30
		81	0.60	0.17	-0.24	-0.05	-0.02	-0.21	-79.02	-185.06	-80.80	-183.28	-13.60
		258	0.36	0.18	-0.20	3.60e-03	-0.02	-0.19	-69.43	-108.74	-75.51	-102.66	-14.22
		268	0.50	0.19	-0.23	5.13e-03	-0.04	-0.21	-111.91	-146.77	-142.65	-116.03	-11.25
251	54	252	0.66	0.10	-0.15	-0.09	0.03	-0.11	-155.99	-192.09	-156.92	-191.15	5.74
		81	0.58	0.09	-0.13	-0.08	0.04	-0.09	-87.08	-179.33	-87.08	-179.32	0.89
		258	0.34	0.08	-0.10	-0.05	0.03	-0.08	-79.41	-98.91	-79.98	-98.34	-3.29
		268	0.49	0.09	-0.11	-0.04	0.02	-0.09	-106.13	-146.02	-146.00	-106.14	-0.78
252	2	189	1.98	1.49	-2.60	-1.56	0.45	1.78	-387.91	-595.61	-590.38	-393.14	-32.54
		97	2.57	1.69	-3.27	-0.94	-0.64	2.47	-353.63	-779.65	-773.95	-359.33	48.95
		269	1.96	1.42	-1.23	0.53	-0.34	1.25	-96.46	-562.59	-538.53	-120.52	103.12
		270	1.65	1.33	-1.81	-0.24	-0.24	1.57	-144.50	-489.85	-486.36	-147.99	34.54
252	6	189	1.44	1.00	-1.74	-1.04	0.31	1.19	-286.59	-430.92	-427.39	-290.12	-22.29
		97	1.85	1.14	-2.19	-0.62	-0.43	1.66	-265.29	-562.31	-558.88	-268.72	31.73
		269	1.43	0.95	-0.82	0.36	-0.23	0.83	-80.78	-413.96	-398.98	-95.75	69.02
		270	1.20	0.89	-1.21	-0.15	-0.16	1.05	-111.65	-358.83	-356.56	-113.92	23.59

252	15	189	1.00	0.15	-0.32	-0.19	0.01	0.22	-226.95	-293.09	-292.88	-227.15	-3.68
		97	1.19	0.21	-0.41	-0.13	-0.07	0.31	-232.27	-360.53	-360.50	-232.31	-1.99
		269	1.07	0.25	-0.21	0.05	-0.01	0.23	-126.15	-325.26	-324.88	-126.53	8.70
		270	0.87	0.21	-0.17	0.04	7.35e-03	0.19	-128.43	-268.57	-268.24	-128.76	6.83
252	47	189	0.94	0.11	-0.18	-0.10	0.03	0.13	-218.08	-272.85	-272.55	-218.39	-4.08
		97	1.13	0.15	-0.24	-0.04	-0.05	0.20	-225.13	-340.69	-340.52	-225.30	-4.48
		269	1.02	0.14	-0.10	0.05	-0.01	0.12	-120.71	-312.02	-311.87	-120.86	5.27
		270	0.83	0.12	-0.09	0.03	9.84e-04	0.11	-121.16	-255.10	-254.87	-121.39	5.49
253	1	93	2.91	0.68	-3.18	-1.38	-1.13	-1.93	-290.32	-863.60	-830.16	-323.76	-134.36
		103	2.79	0.97	-3.60	-1.75	-0.88	-2.24	-335.54	-838.27	-831.74	-342.08	-56.96
		271	2.16	0.78	-2.14	-0.95	-0.41	-1.44	-92.28	-605.05	-584.30	-113.03	-101.03
		272	2.17	0.92	-1.79	-0.63	-0.24	-1.34	-81.75	-604.49	-571.54	-114.70	-127.04
253	5	93	2.07	0.46	-2.13	-0.91	-0.76	-1.29	-223.79	-618.74	-597.66	-244.87	-88.78
		103	1.99	0.66	-2.41	-1.16	-0.59	-1.50	-252.61	-599.89	-595.96	-256.54	-36.73
		271	1.55	0.52	-1.43	-0.63	-0.28	-0.96	-77.40	-440.37	-427.59	-90.17	-66.90
		272	1.56	0.62	-1.19	-0.41	-0.16	-0.90	-71.24	-441.83	-421.62	-91.45	-84.16
253	24	93	1.27	0.12	-0.53	-0.27	-0.14	-0.31	-230.19	-385.49	-384.86	-230.82	-9.88
		103	1.20	0.14	-0.53	-0.29	-0.10	-0.32	-226.88	-364.35	-364.25	-226.98	-3.79
		271	1.04	0.21	-0.24	-0.03	-6.16e-03	-0.23	-119.23	-316.07	-315.55	-119.75	-10.12
		272	1.10	0.24	-0.29	-0.03	-0.03	-0.27	-119.99	-335.23	-334.53	-120.69	-12.25
253	56	93	1.18	0.08	-0.27	-0.09	-0.10	-0.18	-224.05	-357.38	-357.36	-224.07	-1.71
		103	1.11	0.11	-0.29	-0.10	-0.07	-0.20	-220.01	-336.79	-336.71	-220.08	2.98
		271	0.98	0.12	-0.12	4.45e-03	-5.22e-03	-0.12	-115.28	-300.02	-299.96	-115.33	-3.12
		272	1.05	0.14	-0.15	9.05e-03	-0.01	-0.14	-116.34	-319.05	-318.98	-116.41	-3.85
254	3	96	2.75	1.55	-2.97	0.71	-2.13	1.76	-659.48	-783.27	-700.02	-742.73	-58.10
		100	3.34	2.72	-6.59	2.58	-6.45	1.14	-779.54	-960.76	-916.41	-823.89	-77.91
		273	2.36	2.22	-1.98	1.99	-1.74	-0.97	-264.70	-705.95	-701.27	-269.38	-45.17
		274	2.28	2.29	-2.72	1.95	-2.38	1.26	-279.33	-680.64	-661.61	-298.37	-85.31
254	7	96	1.97	1.05	-1.98	0.48	-1.42	1.18	-478.90	-557.92	-512.04	-524.78	-38.99
		100	2.38	1.83	-4.41	1.74	-4.32	0.77	-553.70	-684.08	-658.38	-579.40	-51.86
		273	1.72	1.49	-1.32	1.33	-1.16	-0.65	-191.89	-513.98	-511.21	-194.65	-29.73
		274	1.66	1.54	-1.82	1.31	-1.59	0.84	-202.73	-494.57	-483.06	-214.24	-56.81
254	32	96	1.28	0.12	-0.29	0.09	-0.25	0.11	-261.14	-386.99	-386.83	-261.30	-4.46
		100	1.33	0.21	-0.51	0.16	-0.46	0.18	-268.35	-403.06	-403.06	-268.36	0.80
		273	1.20	0.21	-0.29	0.20	-0.28	0.05	-153.41	-365.38	-365.37	-153.42	1.35
		274	1.15	0.22	-0.29	0.21	-0.28	0.08	-152.23	-352.04	-351.97	-152.30	-3.74
254	64	96	1.20	0.10	-0.14	0.07	-0.12	0.08	-241.05	-362.82	-362.74	-241.13	-3.17
		100	1.25	0.18	-0.33	0.15	-0.30	0.13	-246.52	-378.66	-378.66	-246.52	0.68
		273	1.14	0.12	-0.14	0.12	-0.14	0.01	-132.55	-345.94	-345.92	-132.57	2.12
		274	1.09	0.14	-0.17	0.13	-0.16	0.06	-133.03	-332.84	-332.83	-133.04	-1.57
255	1	100	2.45	1.56	-2.50	-0.60	-0.34	-2.02	-132.47	-689.98	-527.38	-295.06	-253.40
		93	2.99	0.69	-3.03	-1.51	-0.83	-1.83	-286.31	-885.28	-844.36	-327.23	-151.10
		272	2.20	0.66	-2.02	-0.88	-0.48	-1.33	-77.64	-611.43	-578.03	-111.05	-129.29
		273	1.96	0.69	-1.07	-0.27	-0.11	-0.88	-69.56	-547.58	-475.08	-142.06	-171.47
255	5	100	1.74	1.05	-1.67	-0.38	-0.24	-1.36	-123.62	-502.26	-399.03	-226.85	-168.62
		93	2.12	0.47	-2.02	-1.00	-0.55	-1.22	-221.37	-633.12	-607.19	-247.31	-100.04
		272	1.59	0.45	-1.35	-0.58	-0.32	-0.89	-68.50	-446.62	-426.14	-88.99	-85.60
		273	1.43	0.46	-0.71	-0.17	-0.07	-0.58	-65.64	-404.55	-360.41	-109.78	-114.07
255	38	100	1.34	0.21	-0.59	0.09	-0.47	-0.28	-267.13	-406.01	-405.20	-267.94	-10.57
		93	1.26	0.13	-0.35	0.02	-0.25	-0.20	-257.05	-381.01	-380.83	-257.24	-4.82
		272	1.13	0.22	-0.32	0.17	-0.27	-0.16	-148.59	-344.46	-344.39	-148.66	-3.71
		273	1.20	0.20	-0.33	0.16	-0.29	-0.14	-152.48	-367.29	-366.89	-152.88	-9.26
255	69	100	1.25	0.18	-0.35	0.14	-0.30	-0.15	-246.20	-379.79	-379.68	-246.31	-3.88
		93	1.18	0.10	-0.17	0.06	-0.12	-0.10	-237.34	-355.65	-355.65	-237.34	0.37
		272	1.06	0.13	-0.19	0.11	-0.16	-0.08	-129.81	-324.50	-324.50	-129.81	0.52
		273	1.14	0.11	-0.14	0.11	-0.14	-0.04	-132.24	-346.71	-346.65	-132.30	-3.54

256	3	97	2.43	1.99	-3.58	0.96	-2.55	2.16	-583.90	-692.28	-611.29	-664.89	-47.10
		96	2.72	1.72	-3.70	1.16	-3.14	1.65	-660.58	-767.27	-705.71	-722.13	-52.71
		274	2.20	1.90	-2.01	1.72	-1.83	0.83	-283.95	-659.53	-641.18	-302.31	-80.98
		269	1.99	1.88	-1.96	1.46	-1.54	1.20	-288.73	-599.00	-580.86	-306.87	-72.78
256	7	97	1.75	1.34	-2.40	0.65	-1.70	1.45	-427.50	-495.43	-450.52	-472.40	-32.16
		96	1.95	1.16	-2.47	0.78	-2.10	1.11	-477.79	-548.91	-515.78	-510.93	-35.47
		274	1.60	1.27	-1.34	1.15	-1.22	0.55	-205.88	-480.26	-469.24	-216.90	-53.87
		269	1.45	1.26	-1.31	0.98	-1.03	0.80	-209.28	-437.79	-427.10	-219.97	-48.25
256	15	97	1.22	0.16	-0.44	-0.18	-0.10	0.30	-233.77	-369.87	-369.79	-233.85	3.36
		96	1.27	0.15	-0.44	-0.16	-0.13	0.29	-235.78	-387.63	-387.08	-236.33	9.16
		274	1.11	0.29	-0.21	0.10	-0.02	0.25	-124.64	-338.73	-337.94	-125.43	12.93
		269	1.06	0.26	-0.16	0.09	4.72e-03	0.20	-124.58	-324.11	-323.47	-125.23	11.35
256	47	97	1.14	0.13	-0.25	-0.05	-0.07	0.19	-225.94	-345.33	-345.31	-225.95	-1.30
		96	1.19	0.11	-0.23	-0.03	-0.09	0.17	-228.48	-362.70	-362.63	-228.56	3.12
		274	1.07	0.17	-0.11	0.07	-9.84e-03	0.13	-119.93	-325.50	-325.28	-120.15	6.71
		269	1.02	0.14	-0.08	0.06	1.68e-05	0.11	-119.94	-311.00	-310.78	-120.17	6.51
257	1	103	2.79	1.22	-3.93	-1.96	-0.74	-2.50	-342.86	-837.34	-833.08	-347.13	-45.74
		184	2.11	1.19	-3.36	-2.54	0.37	-1.75	-369.73	-634.84	-629.14	-375.42	38.44
		275	1.80	0.98	-2.65	-1.36	-0.31	-1.74	-132.65	-521.15	-519.20	-134.59	-27.42
		271	2.18	0.83	-1.79	-0.56	-0.40	-1.31	-93.02	-615.50	-595.97	-112.55	-99.12
257	5	103	1.99	0.83	-2.63	-1.30	-0.50	-1.68	-257.41	-599.24	-596.74	-259.91	-29.12
		184	1.52	0.80	-2.25	-1.69	0.25	-1.17	-273.05	-454.99	-450.92	-277.12	26.90
		275	1.29	0.66	-1.77	-0.90	-0.21	-1.16	-102.87	-376.72	-375.55	-104.03	-17.81
		271	1.57	0.56	-1.19	-0.37	-0.27	-0.87	-77.85	-447.55	-435.50	-89.90	-65.64
257	24	103	1.17	0.18	-0.50	-0.24	-0.07	-0.33	-225.25	-354.31	-354.29	-225.27	1.43
		184	0.96	0.14	-0.43	-0.29	4.89e-03	-0.24	-216.01	-281.44	-281.07	-216.39	4.91
		275	0.82	0.17	-0.26	-0.08	-4.15e-03	-0.21	-119.49	-251.60	-251.53	-119.56	-3.03
		271	1.04	0.20	-0.29	-0.07	-0.02	-0.25	-119.75	-316.83	-316.54	-120.04	-7.47
257	56	103	1.10	0.14	-0.28	-0.09	-0.05	-0.21	-218.99	-331.79	-331.47	-219.31	6.00
		184	0.89	0.10	-0.23	-0.15	0.02	-0.14	-207.53	-258.94	-257.88	-208.60	7.32
		275	0.77	0.10	-0.13	-0.03	-4.55e-03	-0.12	-113.21	-235.57	-235.57	-113.21	0.36
		271	0.99	0.12	-0.14	-0.01	-0.02	-0.13	-115.61	-300.97	-300.95	-115.63	-1.92
258	2	238	1.42	1.27	-1.65	-1.11	0.73	1.14	-339.79	-404.35	-358.37	-385.77	-29.22
		189	1.95	1.44	-2.43	-1.37	0.38	1.72	-386.46	-583.90	-579.83	-390.53	-28.06
		270	1.62	1.51	-1.58	0.04	-0.11	1.54	-147.81	-482.68	-478.91	-151.59	35.36
		276	1.09	1.23	-1.57	-0.54	0.20	1.36	-173.78	-329.05	-328.10	-174.73	12.06
258	6	238	1.04	0.85	-1.10	-0.74	0.49	0.76	-250.46	-294.89	-261.58	-283.77	-19.24
		189	1.41	0.97	-1.62	-0.92	0.26	1.15	-285.53	-423.05	-420.25	-288.33	-19.41
		270	1.18	1.01	-1.05	0.03	-0.07	1.03	-113.88	-354.00	-351.51	-116.36	24.28
		276	0.80	0.83	-1.05	-0.36	0.13	0.91	-130.47	-241.49	-240.66	-131.29	9.52
258	15	238	0.77	0.15	-0.25	-0.14	0.04	0.18	-192.89	-215.05	-192.89	-215.05	0.24
		189	0.95	0.18	-0.31	-0.14	9.60e-03	0.24	-222.71	-275.94	-275.22	-223.43	-6.14
		270	0.85	0.20	-0.19	6.22e-04	6.52e-03	0.20	-127.68	-262.13	-261.90	-127.91	5.59
		276	0.62	0.18	-0.14	-7.61e-03	0.05	0.15	-124.34	-186.81	-184.95	-126.20	10.62
258	47	238	0.73	0.09	-0.13	-0.07	0.03	0.10	-181.01	-207.00	-181.05	-206.96	1.04
		189	0.91	0.12	-0.17	-0.07	0.02	0.14	-215.73	-264.27	-263.59	-216.41	-5.71
		270	0.82	0.12	-0.10	0.01	3.39e-03	0.11	-120.91	-251.75	-251.52	-121.14	5.44
		276	0.58	0.10	-0.07	1.20e-03	0.03	0.09	-116.33	-176.39	-174.36	-118.37	10.86
259	1	184	2.07	1.17	-3.18	-2.31	0.31	-1.73	-368.03	-622.70	-618.04	-372.68	34.12
		252	1.41	1.08	-2.34	-1.96	0.69	-1.08	-328.03	-407.45	-374.86	-360.63	39.07
		268	1.13	1.09	-2.49	-1.56	0.15	-1.57	-155.37	-336.09	-336.08	-155.37	1.08
		275	1.76	1.18	-2.24	-0.92	-0.15	-1.67	-136.44	-514.02	-511.89	-138.57	-28.27
259	5	184	1.49	0.79	-2.12	-1.54	0.21	-1.16	-271.84	-446.79	-443.39	-275.24	24.14
		252	1.03	0.72	-1.56	-1.30	0.46	-0.73	-240.67	-294.59	-270.01	-265.26	26.86
		268	0.81	0.73	-1.66	-1.04	0.10	-1.05	-117.00	-242.63	-242.63	-117.01	0.84
		275	1.26	0.79	-1.50	-0.61	-0.10	-1.11	-105.46	-371.91	-370.62	-106.75	-18.50

259	24	184	0.91	0.17	-0.40	-0.24	2.71e-03	-0.26	-211.23	-263.11	-261.99	-212.36	7.54
		252	0.71	0.14	-0.34	-0.23	0.04	-0.20	-177.21	-200.56	-177.94	-199.82	4.07
		268	0.55	0.16	-0.23	-0.12	0.04	-0.18	-113.51	-163.45	-163.36	-113.59	-2.10
		275	0.79	0.17	-0.28	-0.11	-2.78e-03	-0.22	-118.57	-243.85	-243.83	-118.59	-1.49
259	56	184	0.87	0.11	-0.21	-0.12	0.02	-0.15	-204.55	-250.04	-248.16	-206.43	9.05
		252	0.68	0.09	-0.17	-0.11	0.03	-0.11	-163.02	-193.71	-163.89	-192.83	5.11
		268	0.50	0.09	-0.12	-0.05	0.02	-0.10	-106.92	-150.92	-150.92	-106.92	-0.55
		275	0.75	0.10	-0.14	-0.04	-1.08e-03	-0.12	-112.99	-231.61	-231.61	-112.99	0.61
260	2	101	1.22	1.27	-1.01	-0.74	1.00	0.74	-192.75	-369.56	-193.49	-368.82	-11.44
		238	1.41	1.29	-1.58	-1.02	0.73	1.14	-340.30	-401.26	-357.94	-383.62	-27.64
		276	1.07	1.40	-1.36	-0.21	0.25	1.36	-173.08	-326.64	-325.23	-174.48	14.62
		257	0.70	1.15	-1.24	-0.51	0.42	1.10	-164.54	-198.93	-183.65	-179.82	17.09
260	6	101	0.90	0.85	-0.68	-0.49	0.67	0.50	-141.76	-271.73	-142.10	-271.39	-6.60
		238	1.03	0.86	-1.06	-0.68	0.49	0.76	-250.71	-292.86	-261.28	-282.29	-18.27
		276	0.79	0.94	-0.91	-0.14	0.17	0.91	-129.97	-239.92	-238.75	-131.15	11.33
		257	0.52	0.77	-0.83	-0.34	0.28	0.74	-120.73	-148.26	-135.00	-133.98	13.76
260	16	101	0.67	0.15	-0.18	-0.10	0.07	0.14	-108.10	-205.35	-108.60	-204.85	6.96
		238	0.74	0.16	-0.22	-0.10	0.05	0.17	-180.18	-212.21	-180.18	-212.21	-0.02
		276	0.59	0.17	-0.14	-0.02	0.04	0.15	-122.48	-178.70	-176.50	-124.68	10.90
		257	0.44	0.16	-0.11	-0.02	0.07	0.13	-94.60	-131.49	-106.46	-119.63	17.23
260	47	101	0.65	0.09	-0.09	-0.05	0.04	0.08	-102.68	-198.44	-103.25	-197.87	7.36
		238	0.72	0.10	-0.11	-0.05	0.04	0.10	-174.86	-205.44	-174.87	-205.43	0.61
		276	0.57	0.10	-0.07	-3.87e-03	0.03	0.08	-115.34	-172.63	-170.26	-117.71	11.41
		257	0.42	0.09	-0.06	-7.91e-03	0.04	0.07	-87.77	-124.86	-100.18	-112.46	17.50
261	3	258	0.87	0.91	-1.19	0.16	-0.45	-1.01	-15.83	-228.21	-75.53	-168.51	-95.47
		287	0.78	0.88	-0.87	0.10	-0.09	-0.87	41.99	-176.02	-9.49	-124.53	-92.60
		278	0.42	0.16	-1.49	-0.20	-1.13	-0.68	48.66	-69.09	0.75	-21.18	-57.84
		110	0.49	0.62	-0.84	0.44	-0.65	-0.48	20.76	-115.28	-55.58	-38.94	-67.51
261	7	258	0.61	0.61	-0.80	0.11	-0.30	-0.67	-20.96	-163.93	-60.23	-124.66	-63.82
		287	0.55	0.59	-0.58	0.07	-0.06	-0.58	23.99	-126.85	-8.94	-93.92	-62.31
		278	0.29	0.11	-0.99	-0.13	-0.75	-0.46	30.96	-49.07	-1.54	-16.57	-39.30
		110	0.34	0.42	-0.56	0.29	-0.44	-0.32	9.56	-83.47	-45.10	-28.81	-45.80
261	37	258	0.34	0.08	-0.14	-0.02	-0.05	-0.11	-68.58	-100.60	-73.06	-96.12	-11.10
		287	0.30	0.07	-0.13	-0.02	-0.04	-0.10	-14.97	-85.34	-17.94	-82.37	-14.15
		278	0.11	0.07	-0.12	-3.19e-03	-0.05	-0.09	-2.45	-30.27	-13.66	-19.06	-13.64
		110	0.22	0.08	-0.13	1.14e-03	-0.05	-0.10	-20.13	-64.32	-59.33	-25.12	-13.98
261	69	258	0.32	0.05	-0.07	-4.74e-03	-0.02	-0.06	-71.94	-95.82	-73.58	-94.18	-6.04
		287	0.29	0.04	-0.06	-7.92e-03	-0.02	-0.05	-17.51	-83.32	-18.78	-82.04	-9.08
		278	0.09	0.04	-0.06	-5.39e-04	-0.02	-0.05	-6.89	-26.31	-14.48	-18.72	-9.47
		110	0.21	0.04	-0.06	4.12e-03	-0.02	-0.05	-20.71	-62.30	-59.83	-23.18	-9.82
262	4	109	0.49	0.62	-0.84	0.44	-0.65	0.48	20.75	-115.28	-55.59	-38.94	67.51
		277	0.42	0.16	-1.49	-0.20	-1.13	0.68	48.66	-69.09	0.75	-21.18	57.84
		286	0.78	0.88	-0.87	0.10	-0.09	0.87	41.99	-176.02	-9.50	-124.53	92.60
		256	0.87	0.91	-1.19	0.16	-0.45	1.01	-15.84	-228.21	-75.53	-168.51	95.47
262	8	109	0.34	0.42	-0.56	0.29	-0.44	0.32	9.56	-83.47	-45.10	-28.81	45.79
		277	0.29	0.11	-0.99	-0.13	-0.75	0.46	30.96	-49.07	-1.54	-16.57	39.30
		286	0.55	0.59	-0.58	0.07	-0.06	0.58	23.99	-126.84	-8.94	-93.92	62.31
		256	0.61	0.61	-0.80	0.11	-0.30	0.67	-20.96	-163.93	-60.23	-124.66	63.82
262	35	109	0.22	0.08	-0.13	1.14e-03	-0.05	0.10	-20.13	-64.32	-59.33	-25.12	13.98
		277	0.11	0.07	-0.12	-3.19e-03	-0.05	0.09	-2.45	-30.27	-13.66	-19.06	13.64
		286	0.30	0.07	-0.13	-0.02	-0.04	0.10	-14.97	-85.34	-17.94	-82.37	14.15
		256	0.34	0.08	-0.14	-0.02	-0.05	0.11	-68.59	-100.59	-73.06	-96.12	11.10
262	67	109	0.21	0.04	-0.06	4.12e-03	-0.02	0.05	-20.71	-62.30	-59.84	-23.18	9.82
		277	0.09	0.04	-0.06	-5.39e-04	-0.02	0.05	-6.90	-26.31	-14.48	-18.72	9.47
		286	0.29	0.04	-0.06	-7.92e-03	-0.02	0.05	-17.51	-83.31	-18.78	-82.04	9.08
		256	0.32	0.05	-0.07	-4.74e-03	-0.02	0.06	-71.94	-95.82	-73.58	-94.18	6.04

263	4	256	0.89	0.80	-1.32	0.13	-0.65	0.98	-14.80	-232.68	-73.72	-173.75	96.78
		286	0.84	0.52	-1.97	-0.21	-1.25	1.13	45.24	-182.88	-7.73	-129.91	96.32
		280	1.31	0.86	-0.72	0.03	0.11	0.79	43.22	-319.76	-16.59	-259.95	134.65
		82	1.45	1.28	-1.56	-0.10	-0.18	1.42	-6.94	-377.92	-79.06	-305.80	146.82
263	8	256	0.62	0.53	-0.88	0.09	-0.43	0.66	-20.09	-167.15	-58.99	-128.26	64.86
		286	0.59	0.35	-1.31	-0.14	-0.83	0.75	26.34	-131.89	-7.75	-97.79	65.06
		280	0.93	0.58	-0.48	0.02	0.08	0.53	22.96	-232.56	-14.21	-195.39	90.09
		82	1.02	0.86	-1.04	-0.07	-0.11	0.95	-17.86	-272.51	-63.36	-227.01	97.55
263	35	256	0.36	0.13	-0.17	-0.01	-0.02	0.15	-67.47	-108.83	-73.87	-102.43	14.96
		286	0.33	0.12	-0.16	-0.01	-0.03	0.14	-13.88	-93.51	-18.68	-88.71	18.96
		280	0.61	0.11	-0.17	-0.04	-0.02	0.14	-19.94	-172.43	-22.05	-170.31	17.85
		82	0.60	0.12	-0.18	-0.04	-0.02	0.15	-77.65	-184.26	-79.21	-182.70	12.81
263	50	256	0.34	0.07	-0.07	-0.04	0.04	0.06	-76.22	-98.45	-76.87	-97.80	3.76
		286	0.30	0.07	-0.07	-0.04	0.05	0.05	-21.62	-89.17	-22.52	-88.27	7.77
		280	0.60	0.09	-0.08	-0.06	0.06	0.06	-25.73	-169.97	-25.84	-169.86	3.97
		82	0.58	0.09	-0.10	-0.06	0.05	0.07	-82.14	-178.06	-82.15	-178.05	-1.07
264	4	82	1.42	0.76	-0.99	-0.03	-0.20	0.87	-4.92	-373.58	-81.22	-297.27	149.36
		280	1.30	0.98	-1.82	-0.21	-0.64	1.38	50.01	-304.89	-11.63	-243.25	134.44
		282	1.38	0.93	-1.11	-1.98e-03	-0.17	1.02	51.39	-329.41	-15.44	-262.59	144.85
		132	1.53	0.98	-1.39	-0.20	-0.20	1.18	3.54	-396.55	-82.19	-310.83	164.16
264	8	82	1.00	0.51	-0.66	-0.02	-0.13	0.58	-16.68	-269.46	-64.96	-221.18	99.36
		280	0.92	0.65	-1.21	-0.14	-0.42	0.92	27.84	-221.64	-10.50	-183.30	89.98
		282	0.98	0.62	-0.74	-1.43e-03	-0.11	0.68	28.22	-239.82	-13.23	-198.37	96.91
		132	1.08	0.66	-0.92	-0.13	-0.13	0.79	-11.48	-286.21	-65.56	-232.13	109.24
264	18	82	0.61	0.16	-0.16	-0.12	0.12	0.11	-87.02	-187.76	-87.05	-187.73	1.68
		280	0.61	0.17	-0.14	-0.11	0.14	0.10	-25.96	-172.43	-26.23	-172.16	6.30
		282	0.67	0.18	-0.15	-0.11	0.14	0.10	-26.88	-188.66	-27.15	-188.40	6.55
		132	0.66	0.16	-0.17	-0.12	0.12	0.11	-86.22	-202.04	-86.26	-202.01	1.98
264	50	82	0.59	0.09	-0.08	-0.06	0.07	0.06	-83.98	-179.83	-83.98	-179.83	5.06e-03
		280	0.58	0.10	-0.07	-0.05	0.08	0.05	-23.20	-165.23	-23.33	-165.10	4.39
		282	0.64	0.10	-0.07	-0.06	0.08	0.05	-24.35	-181.51	-24.48	-181.38	4.51
		132	0.63	0.09	-0.09	-0.06	0.07	0.06	-83.43	-194.16	-83.43	-194.16	0.17
265	4	132	1.54	1.00	-1.34	-0.12	-0.21	1.17	3.85	-397.08	-82.05	-311.18	164.51
		282	1.38	0.76	-1.36	-0.13	-0.47	1.04	51.22	-329.59	-15.54	-262.83	144.80
		283	1.44	1.09	-1.09	-0.02	0.01	1.09	54.10	-346.22	-18.15	-273.97	153.95
		141	1.62	0.89	-1.21	-0.16	-0.16	1.05	11.78	-417.58	-87.72	-318.08	181.17
265	8	132	1.08	0.67	-0.89	-0.08	-0.14	0.78	-11.27	-286.58	-65.47	-232.38	109.47
		282	0.98	0.51	-0.91	-0.09	-0.31	0.70	28.10	-239.96	-13.31	-198.55	96.88
		283	1.03	0.73	-0.73	-0.01	0.01	0.73	29.60	-252.39	-15.01	-207.77	102.91
		141	1.14	0.60	-0.81	-0.11	-0.10	0.70	-6.71	-301.66	-69.39	-238.98	120.66
265	18	132	0.67	0.16	-0.15	-0.12	0.13	0.09	-86.56	-204.26	-86.61	-204.21	2.44
		282	0.67	0.18	-0.13	-0.11	0.16	0.08	-27.27	-190.47	-27.55	-190.19	6.77
		283	0.72	0.19	-0.14	-0.12	0.16	0.08	-26.74	-203.82	-26.99	-203.57	6.65
		141	0.72	0.16	-0.16	-0.13	0.13	0.10	-87.30	-219.28	-87.39	-219.19	3.42
265	50	132	0.64	0.09	-0.08	-0.06	0.08	0.05	-83.57	-195.28	-83.57	-195.28	0.41
		282	0.65	0.10	-0.07	-0.05	0.09	0.04	-24.59	-182.47	-24.72	-182.34	4.61
		283	0.70	0.10	-0.07	-0.06	0.09	0.04	-24.22	-195.86	-24.33	-195.75	4.28
		141	0.69	0.10	-0.08	-0.07	0.08	0.05	-84.50	-210.30	-84.51	-210.29	1.19
266	4	141	1.65	1.09	-1.45	-0.17	-0.19	1.27	14.34	-421.45	-85.99	-321.12	183.46
		283	1.47	0.56	-1.25	-0.15	-0.54	0.88	53.67	-353.06	-19.44	-279.95	156.17
		281	1.46	1.22	-0.72	0.07	0.43	0.95	53.18	-353.61	-28.94	-271.49	163.28
		89	1.66	1.11	-1.03	-0.03	0.11	1.06	26.04	-419.65	-105.42	-288.20	203.24
266	8	141	1.16	0.73	-0.96	-0.11	-0.12	0.85	-4.91	-304.36	-68.11	-241.16	122.19
		283	1.05	0.38	-0.83	-0.10	-0.35	0.59	29.17	-257.46	-16.02	-212.28	104.45
		281	1.04	0.81	-0.48	0.04	0.29	0.63	27.81	-258.60	-22.28	-208.50	108.81
		89	1.16	0.74	-0.68	-0.02	0.08	0.71	1.29	-303.71	-81.18	-221.25	135.47

266	18	141	0.73	0.16	-0.14	-0.13	0.15	0.05	-86.54	-221.72	-86.67	-221.59	4.22
		283	0.74	0.19	-0.12	-0.11	0.18	0.04	-28.04	-209.09	-28.35	-208.77	7.57
		281	0.79	0.20	-0.13	-0.12	0.19	0.06	-27.73	-222.91	-27.89	-222.74	5.63
		89	0.78	0.17	-0.15	-0.14	0.15	0.06	-87.38	-237.14	-87.60	-236.92	5.80
266	50	141	0.70	0.10	-0.07	-0.07	0.09	0.03	-83.64	-212.03	-83.66	-212.01	1.60
		283	0.71	0.11	-0.06	-0.06	0.10	0.02	-25.41	-200.41	-25.55	-200.27	4.96
		281	0.76	0.11	-0.06	-0.06	0.10	0.03	-25.04	-214.27	-25.07	-214.24	2.54
		89	0.75	0.10	-0.08	-0.07	0.09	0.03	-84.52	-227.39	-84.57	-227.34	2.70
267	3	89	1.66	1.11	-1.03	-0.03	0.11	-1.06	26.04	-419.66	-105.42	-288.20	-203.25
		281	1.46	1.22	-0.72	0.07	0.43	-0.95	53.18	-353.61	-28.94	-271.49	-163.29
		284	1.47	0.56	-1.25	-0.15	-0.54	-0.88	53.67	-353.06	-19.44	-279.96	-156.17
		149	1.65	1.09	-1.45	-0.17	-0.19	-1.27	14.34	-421.46	-85.99	-321.12	-183.47
267	7	89	1.16	0.74	-0.68	-0.02	0.08	-0.71	1.29	-303.72	-81.18	-221.25	-135.47
		281	1.04	0.81	-0.48	0.04	0.29	-0.63	27.82	-258.60	-22.28	-208.50	-108.81
		284	1.05	0.38	-0.83	-0.10	-0.35	-0.59	29.17	-257.47	-16.02	-212.28	-104.45
		149	1.16	0.73	-0.96	-0.11	-0.12	-0.85	-4.90	-304.36	-68.11	-241.16	-122.20
267	24	89	0.78	0.17	-0.15	-0.14	0.15	-0.06	-87.38	-237.14	-87.60	-236.92	-5.81
		281	0.79	0.20	-0.13	-0.12	0.19	-0.06	-27.72	-222.91	-27.89	-222.74	-5.63
		284	0.74	0.19	-0.12	-0.11	0.18	-0.04	-28.04	-209.09	-28.35	-208.78	-7.57
		149	0.73	0.16	-0.14	-0.13	0.15	-0.05	-86.54	-221.72	-86.67	-221.59	-4.22
267	56	89	0.75	0.10	-0.08	-0.07	0.09	-0.03	-84.52	-227.39	-84.57	-227.34	-2.70
		281	0.76	0.11	-0.06	-0.06	0.10	-0.03	-25.04	-214.27	-25.07	-214.24	-2.54
		284	0.71	0.11	-0.06	-0.06	0.10	-0.02	-25.41	-200.41	-25.55	-200.27	-4.96
		149	0.70	0.10	-0.07	-0.07	0.09	-0.03	-83.64	-212.03	-83.66	-212.01	-1.60
268	3	149	1.62	0.89	-1.21	-0.16	-0.16	-1.05	11.78	-417.59	-87.72	-318.08	-181.17
		284	1.44	1.09	-1.09	-0.02	0.01	-1.09	54.10	-346.22	-18.15	-273.97	-153.96
		285	1.38	0.76	-1.36	-0.13	-0.47	-1.04	51.22	-329.59	-15.54	-262.83	-144.80
		157	1.54	1.00	-1.34	-0.12	-0.21	-1.17	3.85	-397.09	-82.05	-311.18	-164.51
268	7	149	1.14	0.60	-0.81	-0.11	-0.10	-0.70	-6.71	-301.67	-69.39	-238.99	-120.66
		284	1.03	0.73	-0.73	-0.01	0.01	-0.73	29.61	-252.39	-15.01	-207.77	-102.91
		285	0.98	0.51	-0.91	-0.09	-0.31	-0.70	28.10	-239.96	-13.31	-198.55	-96.88
		157	1.08	0.67	-0.89	-0.08	-0.14	-0.78	-11.26	-286.58	-65.47	-232.38	-109.48
268	24	149	0.72	0.16	-0.16	-0.13	0.13	-0.10	-87.30	-219.28	-87.39	-219.19	-3.42
		284	0.72	0.19	-0.14	-0.12	0.16	-0.08	-26.74	-203.82	-26.99	-203.57	-6.66
		285	0.67	0.18	-0.13	-0.11	0.16	-0.08	-27.27	-190.47	-27.55	-190.19	-6.77
		157	0.67	0.16	-0.15	-0.12	0.13	-0.09	-86.56	-204.26	-86.61	-204.21	-2.44
268	56	149	0.69	0.10	-0.08	-0.07	0.08	-0.05	-84.50	-210.30	-84.51	-210.29	-1.20
		284	0.70	0.10	-0.07	-0.06	0.09	-0.04	-24.22	-195.86	-24.33	-195.75	-4.29
		285	0.65	0.10	-0.07	-0.05	0.09	-0.04	-24.59	-182.48	-24.72	-182.34	-4.61
		157	0.64	0.09	-0.08	-0.06	0.08	-0.05	-83.57	-195.28	-83.57	-195.28	-0.42
269	3	157	1.53	0.98	-1.39	-0.20	-0.20	-1.18	3.54	-396.55	-82.19	-310.83	-164.16
		285	1.38	0.93	-1.11	-1.98e-03	-0.17	-1.02	51.39	-329.42	-15.44	-262.59	-144.85
		279	1.30	0.98	-1.82	-0.21	-0.64	-1.38	50.01	-304.89	-11.63	-243.25	-134.45
		81	1.42	0.76	-0.99	-0.03	-0.20	-0.87	-4.91	-373.58	-81.22	-297.27	-149.36
269	7	157	1.08	0.66	-0.92	-0.13	-0.13	-0.79	-11.48	-286.21	-65.56	-232.13	-109.24
		285	0.98	0.62	-0.74	-1.43e-03	-0.11	-0.68	28.22	-239.82	-13.23	-198.37	-96.91
		279	0.92	0.65	-1.21	-0.14	-0.42	-0.92	27.84	-221.65	-10.50	-183.30	-89.98
		81	1.00	0.51	-0.66	-0.02	-0.13	-0.58	-16.68	-269.46	-64.96	-221.18	-99.36
269	24	157	0.66	0.16	-0.17	-0.12	0.12	-0.11	-86.22	-202.04	-86.26	-202.01	-1.98
		285	0.67	0.18	-0.15	-0.11	0.14	-0.10	-26.88	-188.66	-27.15	-188.40	-6.55
		279	0.61	0.17	-0.14	-0.11	0.14	-0.10	-25.96	-172.43	-26.23	-172.16	-6.31
		81	0.61	0.16	-0.16	-0.12	0.12	-0.11	-87.02	-187.76	-87.05	-187.73	-1.69
269	56	157	0.63	0.09	-0.09	-0.06	0.07	-0.06	-83.43	-194.16	-83.43	-194.16	-0.17
		285	0.64	0.10	-0.07	-0.06	0.08	-0.05	-24.35	-181.51	-24.48	-181.38	-4.51
		279	0.58	0.10	-0.07	-0.05	0.08	-0.05	-23.20	-165.23	-23.33	-165.10	-4.39
		81	0.59	0.09	-0.08	-0.06	0.07	-0.06	-83.98	-179.83	-83.98	-179.83	-8.03e-03

270	3	81	1.45	1.28	-1.56	-0.10	-0.18	-1.42	-6.93	-377.93	-79.06	-305.80	-146.82
		279	1.31	0.86	-0.72	0.03	0.11	-0.79	43.22	-319.76	-16.59	-259.96	-134.65
		287	0.84	0.52	-1.97	-0.21	-1.25	-1.13	45.24	-182.88	-7.73	-129.91	-96.32
		258	0.89	0.80	-1.32	0.13	-0.65	-0.98	-14.79	-232.68	-73.72	-173.75	-96.78
270	7	81	1.02	0.86	-1.04	-0.07	-0.11	-0.95	-17.85	-272.51	-63.35	-227.01	-97.55
		279	0.93	0.58	-0.48	0.02	0.08	-0.53	22.96	-232.56	-14.21	-195.39	-90.09
		287	0.59	0.35	-1.31	-0.14	-0.83	-0.75	26.35	-131.89	-7.75	-97.79	-65.06
		258	0.62	0.53	-0.88	0.09	-0.43	-0.66	-20.09	-167.15	-58.98	-128.26	-64.86
270	37	81	0.60	0.12	-0.18	-0.04	-0.02	-0.15	-77.65	-184.26	-79.21	-182.70	-12.82
		279	0.61	0.11	-0.17	-0.04	-0.02	-0.14	-19.94	-172.43	-22.05	-170.31	-17.85
		287	0.33	0.12	-0.16	-0.01	-0.03	-0.14	-13.88	-93.51	-18.68	-88.71	-18.96
		258	0.36	0.13	-0.17	-0.01	-0.02	-0.15	-67.47	-108.84	-73.87	-102.44	-14.96
270	56	81	0.58	0.09	-0.10	-0.06	0.05	-0.07	-82.14	-178.06	-82.15	-178.05	1.07
		279	0.60	0.09	-0.08	-0.06	0.06	-0.06	-25.73	-169.97	-25.84	-169.86	-3.98
		287	0.30	0.07	-0.07	-0.04	0.05	-0.05	-21.62	-89.17	-22.52	-88.27	-7.77
		258	0.34	0.07	-0.07	-0.04	0.04	-0.06	-76.21	-98.45	-76.87	-97.80	-3.76
271	3	298	0.73	0.79	-0.79	0.15	-0.15	0.78	-17.19	-196.62	-35.59	-178.22	54.43
		257	0.75	0.93	-0.94	0.32	-0.33	0.87	-107.10	-225.15	-124.80	-207.45	42.14
		2	0.49	0.68	-0.52	0.60	-0.44	0.29	-42.31	-143.52	-128.90	-56.93	35.58
		289	0.34	0.38	-1.07	0.22	-0.91	0.45	5.38	-82.04	-33.17	-43.48	43.40
271	7	298	0.53	0.53	-0.53	0.10	-0.10	0.52	-14.76	-144.97	-27.86	-131.88	39.16
		257	0.55	0.62	-0.62	0.21	-0.22	0.58	-82.53	-165.57	-95.83	-152.27	30.46
		2	0.37	0.46	-0.34	0.40	-0.29	0.20	-30.58	-108.52	-97.63	-41.46	27.01
		289	0.25	0.25	-0.71	0.15	-0.61	0.30	3.68	-61.13	-25.56	-31.88	32.25
271	32	298	0.38	0.07	-0.09	0.01	-0.04	0.08	-23.60	-109.81	-31.05	-102.36	24.23
		257	0.41	0.09	-0.10	0.02	-0.03	0.09	-81.66	-124.10	-95.11	-110.65	19.75
		2	0.34	0.10	-0.09	0.05	-0.04	0.09	-22.79	-100.22	-90.34	-32.67	25.84
		289	0.20	0.08	-0.08	0.04	-0.04	0.07	-0.68	-54.01	-28.12	-26.56	26.65
271	64	298	0.37	0.04	-0.05	6.39e-03	-0.01	0.04	-24.14	-106.98	-31.02	-100.10	22.86
		257	0.40	0.05	-0.05	0.01	-0.01	0.05	-81.50	-121.02	-94.92	-107.59	18.72
		2	0.34	0.05	-0.04	0.03	-0.02	0.04	-20.13	-98.25	-88.99	-29.38	25.25
		289	0.19	0.04	-0.04	0.02	-0.02	0.04	0.27	-51.27	-26.94	-24.07	25.73
272	4	288	0.34	0.38	-1.07	0.22	-0.91	-0.45	5.38	-82.04	-33.17	-43.48	-43.40
		1	0.49	0.68	-0.52	0.60	-0.44	-0.29	-42.31	-143.52	-128.90	-56.93	-35.58
		255	0.75	0.93	-0.94	0.32	-0.33	-0.87	-107.10	-225.15	-124.79	-207.45	-42.14
		297	0.73	0.79	-0.79	0.15	-0.15	-0.78	-17.19	-196.62	-35.59	-178.22	-54.43
272	8	288	0.25	0.25	-0.71	0.15	-0.61	-0.30	3.68	-61.13	-25.56	-31.88	-32.25
		1	0.37	0.46	-0.34	0.40	-0.29	-0.20	-30.58	-108.52	-97.63	-41.46	-27.01
		255	0.55	0.62	-0.62	0.21	-0.22	-0.58	-82.52	-165.57	-95.83	-152.27	-30.46
		297	0.53	0.53	-0.53	0.10	-0.10	-0.52	-14.76	-144.97	-27.86	-131.88	-39.17
272	26	288	0.20	0.08	-0.08	0.04	-0.04	-0.07	-0.68	-54.01	-28.12	-26.56	-26.65
		1	0.34	0.10	-0.09	0.05	-0.04	-0.09	-22.79	-100.22	-90.33	-32.67	-25.84
		255	0.41	0.09	-0.10	0.02	-0.03	-0.09	-81.66	-124.10	-95.11	-110.65	-19.75
		297	0.38	0.07	-0.09	0.01	-0.04	-0.08	-23.60	-109.81	-31.05	-102.36	-24.23
272	58	288	0.19	0.04	-0.04	0.02	-0.02	-0.04	0.27	-51.27	-26.94	-24.07	-25.73
		1	0.34	0.05	-0.04	0.03	-0.02	-0.04	-20.13	-98.25	-88.99	-29.38	-25.25
		255	0.40	0.05	-0.05	0.01	-0.01	-0.05	-81.50	-121.02	-94.92	-107.59	-18.72
		297	0.37	0.04	-0.05	6.39e-03	-0.01	-0.04	-24.14	-106.98	-31.02	-100.10	-22.86
273	2	297	0.62	1.07	-0.86	-0.45	0.65	-0.79	-51.57	-181.49	-57.60	-175.46	-27.34
		255	0.70	1.28	-0.99	-0.21	0.50	-1.08	-163.22	-201.36	-184.23	-180.35	-18.97
		84	1.22	1.30	-0.94	-0.64	0.99	-0.77	-191.19	-368.34	-191.93	-367.60	11.47
		290	1.27	1.41	-0.43	-0.37	1.35	-0.32	-61.63	-356.62	-61.68	-356.57	-3.98
273	6	297	0.46	0.71	-0.58	-0.30	0.44	-0.53	-37.47	-135.04	-42.35	-130.15	-21.27
		255	0.52	0.86	-0.66	-0.14	0.33	-0.72	-119.77	-150.11	-135.48	-134.40	-15.16
		84	0.90	0.87	-0.63	-0.42	0.66	-0.52	-140.56	-270.86	-140.90	-270.52	6.66
		290	0.94	0.94	-0.29	-0.25	0.91	-0.22	-45.44	-262.68	-45.53	-262.60	-4.24

273	9	297	0.40	0.13	-0.07	-0.02	0.09	-0.08	-28.81	-117.71	-35.28	-111.24	-23.09
		255	0.43	0.13	-0.09	-0.02	0.07	-0.10	-89.12	-130.38	-100.66	-118.83	-18.52
		84	0.66	0.14	-0.13	-0.07	0.07	-0.12	-100.04	-203.51	-100.54	-203.02	-7.16
		290	0.69	0.14	-0.11	-0.06	0.09	-0.10	-35.54	-199.52	-36.46	-198.60	-12.28
273	41	297	0.38	0.07	-0.03	-9.67e-03	0.05	-0.04	-25.70	-111.51	-32.37	-104.85	-22.97
		255	0.42	0.08	-0.05	-8.12e-03	0.04	-0.06	-84.97	-125.10	-97.73	-112.33	-18.69
		84	0.64	0.08	-0.07	-0.03	0.05	-0.06	-98.22	-197.28	-98.75	-196.75	-7.27
		290	0.67	0.08	-0.05	-0.03	0.06	-0.05	-33.78	-193.35	-34.70	-192.43	-12.09
274	2	290	1.24	1.49	-0.77	-0.58	1.30	-0.62	-56.07	-343.86	-56.16	-343.77	-5.30
		84	1.22	1.42	-0.89	-0.53	1.06	-0.84	-193.18	-367.54	-193.61	-367.11	8.69
		138	1.35	1.39	-1.06	-0.78	1.12	-0.77	-190.52	-406.56	-191.09	-406.00	11.04
		294	1.38	1.57	-0.48	-0.42	1.51	-0.36	-57.99	-382.80	-58.03	-382.76	-3.68
274	6	290	0.91	1.00	-0.51	-0.39	0.87	-0.41	-41.34	-253.26	-41.46	-253.13	-5.14
		84	0.89	0.95	-0.59	-0.35	0.71	-0.56	-142.12	-270.37	-142.30	-270.20	4.70
		138	0.99	0.93	-0.71	-0.52	0.75	-0.52	-140.19	-298.35	-140.46	-298.08	6.50
		294	1.01	1.05	-0.32	-0.28	1.01	-0.24	-42.88	-281.57	-42.94	-281.51	-3.82
274	9	290	0.69	0.16	-0.08	-0.05	0.13	-0.08	-33.59	-197.77	-34.59	-196.77	-12.73
		84	0.68	0.15	-0.10	-0.06	0.11	-0.10	-103.23	-210.18	-103.89	-209.52	-8.34
		138	0.73	0.16	-0.11	-0.07	0.11	-0.10	-101.82	-224.45	-102.20	-224.07	-6.83
		294	0.75	0.17	-0.09	-0.06	0.13	-0.08	-35.10	-215.23	-35.81	-214.53	-11.21
274	41	290	0.66	0.09	-0.04	-0.03	0.07	-0.04	-31.31	-188.91	-32.29	-187.93	-12.38
		84	0.65	0.09	-0.05	-0.03	0.07	-0.05	-100.75	-200.61	-101.43	-199.92	-8.27
		138	0.70	0.09	-0.06	-0.04	0.07	-0.06	-99.64	-214.91	-100.02	-214.53	-6.64
		294	0.72	0.09	-0.04	-0.03	0.08	-0.04	-33.11	-206.41	-33.78	-205.74	-10.74
275	2	294	1.38	1.63	-0.59	-0.45	1.49	-0.54	-58.10	-383.18	-58.14	-383.14	-3.56
		138	1.35	1.42	-1.01	-0.74	1.15	-0.76	-190.40	-406.96	-190.96	-406.40	11.01
		147	1.49	1.43	-0.95	-0.79	1.27	-0.59	-190.39	-448.27	-190.80	-447.86	10.32
		295	1.51	1.65	-0.57	-0.54	1.62	-0.25	-56.18	-416.95	-56.19	-416.94	-1.93
275	6	294	1.01	1.09	-0.40	-0.30	1.00	-0.36	-42.96	-281.83	-43.02	-281.77	-3.75
		138	0.99	0.95	-0.68	-0.50	0.77	-0.51	-140.11	-298.63	-140.37	-298.37	6.48
		147	1.09	0.96	-0.63	-0.53	0.85	-0.40	-140.15	-328.32	-140.35	-328.11	6.25
		295	1.11	1.10	-0.38	-0.36	1.08	-0.17	-41.63	-306.24	-41.65	-306.22	-2.31
275	9	294	0.76	0.17	-0.08	-0.06	0.15	-0.07	-35.43	-216.89	-36.15	-216.17	-11.41
		138	0.74	0.16	-0.09	-0.06	0.13	-0.08	-102.20	-226.78	-102.61	-226.36	-7.22
		147	0.79	0.16	-0.11	-0.08	0.13	-0.09	-102.64	-242.28	-102.88	-242.04	-5.86
		295	0.81	0.17	-0.09	-0.06	0.15	-0.07	-34.85	-230.86	-35.28	-230.43	-9.17
275	41	294	0.73	0.09	-0.04	-0.03	0.08	-0.04	-33.28	-207.24	-33.96	-206.56	-10.84
		138	0.70	0.09	-0.05	-0.03	0.07	-0.05	-99.82	-216.12	-100.22	-215.72	-6.82
		147	0.76	0.09	-0.06	-0.04	0.08	-0.05	-100.48	-231.64	-100.69	-231.43	-5.26
		295	0.78	0.10	-0.04	-0.03	0.09	-0.04	-32.92	-221.24	-33.29	-220.87	-8.40
276	2	295	1.54	1.76	-0.58	-0.47	1.65	-0.49	-57.73	-425.61	-57.74	-425.60	-2.30
		147	1.51	1.48	-1.06	-0.86	1.29	-0.68	-188.37	-453.13	-188.82	-452.68	10.89
		107	1.67	1.44	-0.96	-0.96	1.43	0.07	-187.54	-497.53	-187.54	-497.53	0.94
		293	1.69	1.79	-0.52	-0.51	1.79	0.14	-54.79	-461.62	-54.80	-461.62	0.84
276	6	295	1.13	1.17	-0.38	-0.31	1.10	-0.33	-42.79	-312.48	-42.82	-312.45	-2.60
		147	1.10	0.99	-0.71	-0.57	0.86	-0.46	-138.66	-331.63	-138.88	-331.40	6.62
		107	1.22	0.96	-0.64	-0.64	0.96	0.05	-138.10	-363.45	-138.10	-363.45	0.66
		293	1.23	1.20	-0.35	-0.34	1.19	0.09	-40.74	-338.44	-40.74	-338.44	0.60
276	9	295	0.83	0.18	-0.07	-0.06	0.17	-0.04	-35.96	-235.47	-36.46	-234.97	-9.96
		147	0.80	0.15	-0.08	-0.07	0.14	-0.05	-101.66	-244.13	-101.99	-243.81	-6.78
		107	0.85	0.16	-0.10	-0.09	0.15	-0.05	-102.40	-259.95	-102.45	-259.91	-2.59
		293	0.88	0.18	-0.08	-0.07	0.17	-0.05	-35.50	-249.80	-35.53	-249.77	-2.66
276	41	295	0.79	0.10	-0.03	-0.03	0.10	-0.02	-33.94	-225.27	-34.36	-224.85	-8.95
		147	0.76	0.09	-0.05	-0.04	0.09	-0.03	-99.42	-232.84	-99.67	-232.59	-5.78
		107	0.81	0.09	-0.05	-0.05	0.09	-0.02	-100.16	-248.70	-100.17	-248.69	-1.10
		293	0.85	0.10	-0.04	-0.04	0.10	-0.02	-33.47	-239.66	-33.48	-239.66	-1.15

277	2	293	1.69	1.79	-0.52	-0.51	1.79	-0.14	-54.79	-461.62	-54.80	-461.62	-0.85
		107	1.67	1.44	-0.96	-0.96	1.43	-0.07	-187.54	-497.53	-187.54	-497.53	-0.94
		155	1.51	1.48	-1.06	-0.86	1.29	0.68	-188.37	-453.13	-188.82	-452.68	-10.89
		296	1.54	1.76	-0.58	-0.47	1.65	0.49	-57.73	-425.61	-57.74	-425.60	2.30
277	6	293	1.23	1.20	-0.35	-0.34	1.19	-0.09	-40.74	-338.44	-40.74	-338.44	-0.60
		107	1.22	0.96	-0.64	-0.64	0.96	-0.05	-138.10	-363.45	-138.10	-363.45	-0.67
		155	1.10	0.99	-0.71	-0.57	0.86	0.46	-138.66	-331.63	-138.88	-331.40	-6.62
		296	1.13	1.17	-0.38	-0.31	1.10	0.33	-42.79	-312.48	-42.82	-312.45	2.60
277	15	293	0.88	0.18	-0.08	-0.07	0.17	0.05	-35.50	-249.80	-35.53	-249.77	2.66
		107	0.85	0.16	-0.10	-0.09	0.15	0.05	-102.40	-259.95	-102.45	-259.91	2.59
		155	0.80	0.15	-0.08	-0.07	0.14	0.05	-101.66	-244.14	-101.99	-243.81	6.77
		296	0.83	0.18	-0.07	-0.06	0.17	0.04	-35.96	-235.47	-36.46	-234.97	9.96
277	47	293	0.85	0.10	-0.04	-0.04	0.10	0.02	-33.47	-239.66	-33.48	-239.66	1.15
		107	0.81	0.09	-0.05	-0.05	0.09	0.02	-100.16	-248.70	-100.17	-248.69	1.10
		155	0.76	0.09	-0.05	-0.04	0.09	0.03	-99.42	-232.84	-99.67	-232.59	5.78
		296	0.79	0.10	-0.03	-0.03	0.10	0.02	-33.94	-225.27	-34.36	-224.85	8.95
278	2	296	1.51	1.65	-0.57	-0.54	1.62	0.25	-56.18	-416.95	-56.19	-416.94	1.93
		155	1.49	1.43	-0.95	-0.79	1.27	0.59	-190.39	-448.27	-190.80	-447.86	-10.32
		90	1.35	1.42	-1.01	-0.74	1.15	0.76	-190.40	-406.96	-190.96	-406.40	-11.02
		291	1.38	1.63	-0.59	-0.45	1.49	0.54	-58.10	-383.18	-58.14	-383.14	3.56
278	6	296	1.11	1.10	-0.38	-0.36	1.08	0.17	-41.63	-306.24	-41.65	-306.22	2.31
		155	1.09	0.96	-0.63	-0.53	0.85	0.40	-140.15	-328.32	-140.35	-328.11	-6.25
		90	0.99	0.95	-0.68	-0.50	0.77	0.51	-140.11	-298.63	-140.37	-298.37	-6.49
		291	1.01	1.09	-0.40	-0.30	1.00	0.36	-42.96	-281.83	-43.02	-281.77	3.74
278	15	296	0.81	0.17	-0.09	-0.06	0.15	0.07	-34.85	-230.86	-35.28	-230.43	9.17
		155	0.79	0.16	-0.11	-0.08	0.13	0.09	-102.64	-242.28	-102.88	-242.04	5.86
		90	0.74	0.16	-0.09	-0.06	0.13	0.08	-102.20	-226.78	-102.62	-226.36	7.22
		291	0.76	0.17	-0.08	-0.06	0.15	0.07	-35.43	-216.89	-36.15	-216.17	11.41
278	47	296	0.78	0.10	-0.04	-0.03	0.09	0.04	-32.92	-221.24	-33.29	-220.87	8.40
		155	0.76	0.09	-0.06	-0.04	0.08	0.05	-100.48	-231.64	-100.69	-231.43	5.26
		90	0.70	0.09	-0.05	-0.03	0.07	0.05	-99.82	-216.12	-100.22	-215.72	6.82
		291	0.73	0.09	-0.04	-0.03	0.08	0.04	-33.28	-207.24	-33.96	-206.56	10.84
279	2	291	1.38	1.57	-0.48	-0.42	1.51	0.36	-57.99	-382.80	-58.03	-382.76	3.68
		90	1.35	1.39	-1.06	-0.78	1.12	0.77	-190.52	-406.56	-191.09	-406.00	-11.05
		101	1.22	1.42	-0.89	-0.53	1.06	0.84	-193.18	-367.54	-193.62	-367.11	-8.70
		292	1.24	1.49	-0.77	-0.58	1.30	0.62	-56.07	-343.86	-56.16	-343.77	5.30
279	6	291	1.01	1.05	-0.32	-0.28	1.01	0.24	-42.88	-281.57	-42.94	-281.51	3.82
		90	0.99	0.93	-0.71	-0.52	0.75	0.52	-140.19	-298.35	-140.46	-298.08	-6.50
		101	0.89	0.95	-0.59	-0.35	0.71	0.56	-142.12	-270.37	-142.30	-270.20	-4.70
		292	0.91	1.00	-0.51	-0.39	0.87	0.41	-41.34	-253.26	-41.46	-253.13	5.14
279	15	291	0.75	0.17	-0.09	-0.06	0.13	0.08	-35.10	-215.23	-35.81	-214.53	11.21
		90	0.73	0.16	-0.11	-0.07	0.11	0.10	-101.82	-224.45	-102.20	-224.07	6.83
		101	0.68	0.15	-0.10	-0.06	0.11	0.10	-103.23	-210.18	-103.89	-209.52	8.34
		292	0.69	0.16	-0.08	-0.05	0.13	0.08	-33.59	-197.77	-34.59	-196.77	12.73
279	47	291	0.72	0.09	-0.04	-0.03	0.08	0.04	-33.11	-206.41	-33.78	-205.74	10.74
		90	0.70	0.09	-0.06	-0.04	0.07	0.06	-99.64	-214.91	-100.02	-214.53	6.64
		101	0.65	0.09	-0.05	-0.03	0.07	0.05	-100.75	-200.61	-101.44	-199.92	8.27
		292	0.66	0.09	-0.04	-0.03	0.07	0.04	-31.31	-188.91	-32.29	-187.93	12.38
280	3	292	1.21	0.69	-0.63	0.03	0.04	0.66	-16.28	-327.12	-33.76	-309.63	71.62
		101	1.26	1.03	-1.16	-0.03	-0.11	1.10	-91.50	-365.63	-112.07	-345.05	72.22
		257	0.77	0.68	-0.96	0.20	-0.48	0.75	-105.93	-231.64	-123.47	-214.10	43.56
		298	0.77	0.51	-1.39	0.06	-0.93	0.81	-13.49	-201.16	-32.51	-182.14	56.64
280	7	292	0.89	0.46	-0.42	0.02	0.03	0.44	-15.63	-242.59	-26.92	-231.31	49.34
		101	0.91	0.69	-0.78	-0.02	-0.07	0.73	-74.33	-268.81	-87.66	-255.49	49.13
		257	0.57	0.46	-0.64	0.13	-0.32	0.50	-81.74	-170.15	-94.98	-156.90	31.55
		298	0.56	0.34	-0.92	0.04	-0.62	0.54	-12.04	-148.20	-25.63	-134.61	40.81

280	32	292	0.69	0.09	-0.12	-0.02	-0.01	0.10	-30.33	-197.51	-32.30	-195.53	18.06
		101	0.67	0.11	-0.13	-0.02	-4.77e-03	0.12	-95.39	-204.52	-96.97	-202.93	13.06
		257	0.44	0.13	-0.12	0.02	-0.01	0.12	-82.60	-132.71	-96.65	-118.66	22.51
		298	0.40	0.11	-0.11	0.02	-0.01	0.11	-22.20	-116.56	-30.67	-108.09	26.97
280	64	292	0.67	0.05	-0.06	-9.86e-03	5.30e-03	0.05	-31.30	-192.34	-32.69	-190.95	14.89
		101	0.64	0.07	-0.07	-0.01	9.43e-03	0.07	-96.01	-197.73	-97.03	-196.71	10.12
		257	0.42	0.07	-0.06	0.01	5.63e-05	0.07	-81.83	-126.22	-95.79	-112.26	20.62
		298	0.38	0.06	-0.05	8.38e-03	-2.55e-03	0.05	-22.50	-110.96	-30.14	-103.32	24.85
281	1	110	0.55	0.26	-0.97	-0.88	0.17	-0.31	-26.74	-151.21	-145.11	-32.83	-26.86
		278	0.15	0.12	-1.00	-0.97	0.09	0.19	-18.03	-41.10	-35.00	-24.12	-10.17
		300	0.21	0.05	-1.73	-1.58	-0.09	-0.49	-4.04	-45.57	-41.64	-7.97	-12.15
		302	0.53	0.18	-1.01	-0.87	0.04	-0.39	-2.70	-137.57	-137.57	-2.70	0.26
281	5	110	0.39	0.17	-0.65	-0.59	0.11	-0.21	-20.58	-109.13	-104.80	-24.91	-19.09
		278	0.10	0.08	-0.67	-0.65	0.06	0.12	-13.65	-29.56	-24.98	-18.23	-7.21
		300	0.15	0.03	-1.15	-1.05	-0.06	-0.33	-2.87	-32.71	-29.80	-5.78	-8.84
		302	0.38	0.12	-0.68	-0.58	0.02	-0.26	-1.96	-99.16	-99.16	-1.96	0.42
281	19	110	0.23	0.02	-0.10	-0.10	0.02	-0.02	-20.52	-67.66	-66.26	-21.91	-7.99
		278	0.07	0.02	-0.11	-0.10	0.02	-0.02	-15.35	-20.04	-18.47	-16.92	-2.21
		300	0.08	0.01	-0.12	-0.12	0.01	-0.02	-2.81	-22.71	-21.25	-4.26	-5.18
		302	0.23	0.02	-0.11	-0.11	0.02	-0.02	-0.40	-61.54	-61.46	-0.48	2.13
281	51	110	0.22	0.01	-0.05	-0.04	0.01	-0.01	-20.60	-64.94	-63.26	-22.28	-8.46
		278	0.06	0.01	-0.05	-0.05	8.56e-03	-9.40e-03	-13.12	-18.69	-15.31	-16.50	-2.72
		300	0.07	6.93e-03	-0.06	-0.06	5.83e-03	-8.31e-03	-2.06	-19.97	-18.18	-3.85	-5.38
		302	0.22	9.64e-03	-0.05	-0.05	8.75e-03	-7.38e-03	-0.80	-58.62	-58.55	-0.86	1.97
282	2	289	0.28	0.10	-0.38	-0.38	0.10	0.01	-2.77	-75.65	-43.51	-34.91	36.18
		2	0.65	0.38	-0.52	-0.25	0.11	0.41	-22.57	-179.15	-161.36	-40.36	49.69
		301	0.60	0.08	-0.45	-0.37	2.79e-03	0.19	1.44	-155.44	-155.23	1.22	5.79
		299	0.24	0.02	-1.06	-0.98	-0.06	0.28	-2.73	-58.87	-51.51	-10.09	18.94
282	6	289	0.21	0.07	-0.25	-0.25	0.07	9.31e-03	-1.67	-56.48	-32.05	-26.10	27.24
		2	0.48	0.26	-0.35	-0.17	0.08	0.28	-17.10	-132.74	-119.37	-30.47	36.97
		301	0.44	0.05	-0.30	-0.25	1.82e-03	0.13	1.15	-114.96	-114.80	1.00	4.28
		299	0.18	0.01	-0.71	-0.65	-0.04	0.19	-1.98	-43.57	-38.03	-7.52	14.12
282	15	289	0.18	0.03	-0.04	-0.02	6.30e-03	0.03	-0.53	-48.48	-26.77	-22.24	23.87
		2	0.36	0.02	-0.04	-0.02	2.29e-03	0.03	-15.68	-103.42	-92.26	-26.84	29.24
		301	0.34	3.44e-03	-0.06	-0.05	-5.18e-03	0.02	1.31	-89.09	-88.92	1.14	3.91
		299	0.14	0.01	-0.06	-0.05	-9.25e-04	0.03	-2.15	-36.79	-31.92	-7.01	12.04
282	47	289	0.18	0.02	-0.02	-8.80e-03	3.96e-03	0.02	0.45	-46.88	-24.72	-21.71	23.62
		2	0.36	0.02	-0.02	-4.41e-03	2.13e-03	0.02	-15.49	-101.58	-90.30	-26.76	29.04
		301	0.33	1.71e-03	-0.03	-0.02	-2.68e-03	0.01	1.39	-86.97	-86.83	1.24	3.54
		299	0.13	6.37e-03	-0.03	-0.02	-6.12e-04	0.01	-1.66	-34.53	-29.73	-6.46	11.61
283	2	2	0.63	0.28	-0.61	-0.40	0.07	0.38	-23.68	-175.14	-160.43	-38.39	44.85
		242	1.07	0.47	-0.55	-0.12	0.05	0.50	-26.44	-294.70	-283.37	-37.77	53.96
		310	1.03	0.23	-0.21	-0.01	0.03	0.22	1.22	-273.57	-273.33	0.98	8.04
		301	0.61	5.41e-03	-0.90	-0.85	-0.05	0.21	-0.52	-158.02	-156.21	-2.33	16.78
283	6	2	0.47	0.19	-0.41	-0.27	0.04	0.25	-17.91	-129.70	-118.63	-28.99	33.40
		242	0.79	0.32	-0.36	-0.08	0.03	0.34	-20.81	-217.96	-209.82	-28.95	39.22
		310	0.76	0.15	-0.14	-5.21e-03	0.02	0.15	1.01	-202.60	-202.43	0.84	5.80
		301	0.45	3.58e-03	-0.60	-0.57	-0.03	0.14	-0.32	-116.82	-115.48	-1.67	12.43
283	15	2	0.37	0.05	-0.05	1.52e-03	5.91e-03	0.05	-17.52	-105.73	-96.58	-26.67	26.90
		242	0.60	0.05	-0.05	6.65e-03	-5.19e-03	0.05	-23.79	-170.02	-165.59	-28.22	25.07
		310	0.60	0.03	-0.04	-5.42e-03	-8.88e-03	0.04	1.65	-160.37	-160.25	1.52	4.49
		301	0.36	0.03	-0.04	-0.01	1.80e-03	0.04	-0.85	-95.17	-93.99	-2.03	10.48
283	46	2	0.35	0.03	-0.02	7.76e-03	3.14e-03	0.03	-16.66	-101.29	-91.90	-26.04	26.57
		242	0.58	0.04	-0.03	0.01	-2.67e-03	0.03	-23.81	-165.50	-161.05	-28.26	24.72
		310	0.59	0.02	-0.02	7.74e-03	-5.14e-03	0.02	1.56	-155.85	-155.75	1.47	3.87
		301	0.34	0.02	-0.02	-1.30e-05	2.00e-04	0.02	-0.32	-90.46	-89.36	-1.41	9.88

284	3	242	0.90	1.76	-0.58	1.28	-0.10	0.94	-60.92	-257.15	-255.36	-62.70	18.63
		224	1.50	2.16	-0.38	2.00	-0.23	0.60	-69.51	-416.17	-415.80	-69.88	-11.27
		309	1.60	2.70	-0.21	2.68	-0.19	-0.25	5.24	-405.70	-405.65	5.19	-4.70
		310	0.98	1.70	-0.27	1.67	-0.24	0.24	3.25	-249.23	-248.60	2.62	12.66
284	7	242	0.67	1.18	-0.39	0.86	-0.07	0.63	-43.85	-192.91	-191.29	-45.47	15.47
		224	1.11	1.44	-0.26	1.34	-0.15	0.41	-50.34	-308.42	-308.31	-50.45	-5.21
		309	1.18	1.81	-0.14	1.79	-0.13	-0.17	3.78	-300.75	-300.72	3.75	-2.90
		310	0.73	1.13	-0.18	1.11	-0.16	0.16	2.35	-186.64	-186.15	1.86	9.61
284	32	242	0.61	0.18	-0.03	0.17	-0.01	0.05	-26.88	-173.91	-170.71	-30.09	21.47
		224	0.88	0.20	-0.06	0.17	-0.04	0.08	-28.94	-246.99	-245.87	-30.06	15.58
		309	0.91	0.24	-0.04	0.23	-0.03	0.06	1.02	-240.28	-240.28	1.02	0.54
		310	0.63	0.22	-7.57e-03	0.22	-3.65e-03	0.03	-1.38	-166.91	-166.54	-1.76	7.85
284	64	242	0.59	0.10	-0.01	0.09	-5.46e-03	0.03	-25.21	-167.62	-164.07	-28.76	22.19
		224	0.86	0.11	-0.03	0.10	-0.02	0.04	-28.21	-240.67	-239.39	-29.50	16.44
		309	0.88	0.13	-0.02	0.13	-0.01	0.03	1.65	-233.50	-233.50	1.65	1.15
		310	0.60	0.11	-3.75e-03	0.11	-1.91e-03	0.01	0.05	-160.04	-159.60	-0.39	8.32
285	3	224	1.51	2.47	-0.57	2.05	-0.15	1.05	-68.61	-418.78	-418.16	-69.23	-14.79
		116	2.07	2.69	-0.43	2.63	-0.38	0.42	-67.02	-564.50	-561.31	-70.21	-39.69
		303	2.16	3.91	-0.14	3.90	-0.13	-0.21	7.63	-546.28	-546.15	7.49	-8.73
		309	1.61	2.86	-0.24	2.85	-0.22	0.24	3.92	-408.17	-408.05	3.81	6.99
285	7	224	1.12	1.65	-0.38	1.37	-0.10	0.70	-49.74	-310.14	-309.91	-49.96	-7.70
		116	1.52	1.80	-0.29	1.76	-0.25	0.28	-48.90	-414.49	-412.76	-50.64	-25.14
		303	1.58	2.61	-0.09	2.61	-0.09	-0.14	5.48	-401.88	-401.80	5.40	-5.73
		309	1.19	1.91	-0.16	1.90	-0.15	0.16	2.83	-302.45	-302.34	2.73	5.59
285	32	224	0.91	0.26	-0.03	0.25	-0.02	0.04	-30.50	-255.41	-254.56	-31.36	13.82
		116	1.12	0.28	-0.07	0.26	-0.05	0.08	-29.58	-309.97	-309.77	-29.78	7.51
		303	1.15	0.38	-0.04	0.37	-0.03	0.06	1.97	-303.49	-303.49	1.96	-1.14
		309	0.94	0.35	-3.98e-03	0.35	-3.35e-03	0.01	-1.23	-248.50	-248.39	-1.34	5.20
285	64	224	0.87	0.14	-0.01	0.13	-0.01	0.02	-28.87	-244.76	-243.71	-29.92	15.04
		116	1.08	0.16	-0.04	0.14	-0.02	0.05	-28.95	-299.38	-299.10	-29.23	8.75
		303	1.11	0.20	-0.02	0.20	-0.01	0.03	2.52	-292.78	-292.78	2.52	-0.20
		309	0.90	0.19	-1.95e-03	0.19	-1.66e-03	7.40e-03	0.26	-237.67	-237.51	0.11	6.13
286	3	116	2.05	2.90	-0.44	2.75	-0.29	0.69	-66.70	-557.33	-554.04	-69.99	-40.05
		131	2.21	2.99	-0.44	2.93	-0.38	0.45	-65.53	-597.49	-593.92	-69.10	-43.42
		307	2.27	4.11	-0.21	4.10	-0.20	-0.17	4.28	-575.74	-575.71	4.24	-4.66
		303	2.12	3.81	-0.26	3.81	-0.26	0.11	3.71	-537.97	-537.94	3.68	-4.27
286	7	116	1.50	1.94	-0.30	1.84	-0.20	0.46	-48.76	-409.32	-407.51	-50.57	-25.44
		131	1.61	2.00	-0.29	1.96	-0.25	0.30	-47.97	-437.89	-435.89	-49.97	-27.86
		307	1.66	2.75	-0.14	2.74	-0.14	-0.11	3.10	-422.74	-422.72	3.08	-2.79
		303	1.56	2.55	-0.17	2.55	-0.17	0.07	2.70	-395.75	-395.74	2.68	-2.52
286	32	116	1.12	0.30	-0.04	0.30	-0.04	0.03	-31.16	-311.86	-311.67	-31.34	7.22
		131	1.17	0.31	-0.06	0.30	-0.05	0.06	-30.60	-325.10	-324.98	-30.73	6.01
		307	1.20	0.46	-0.02	0.46	-0.02	0.04	0.53	-316.87	-316.87	0.53	0.69
		303	1.15	0.46	-9.25e-03	0.46	-8.94e-03	0.01	-0.20	-303.47	-303.47	-0.20	0.65
286	64	116	1.07	0.17	-0.02	0.17	-0.02	0.02	-30.03	-298.76	-298.50	-30.29	8.37
		131	1.12	0.17	-0.03	0.17	-0.03	0.03	-29.78	-312.04	-311.86	-29.96	7.12
		307	1.15	0.25	-9.20e-03	0.25	-7.80e-03	0.02	1.26	-303.97	-303.97	1.25	1.56
		303	1.10	0.24	-4.51e-03	0.24	-4.36e-03	6.09e-03	0.81	-290.51	-290.51	0.81	1.56
287	3	131	2.25	3.00	-0.54	2.88	-0.42	0.65	-64.25	-607.82	-604.03	-68.04	-45.25
		125	2.39	3.09	-0.44	3.06	-0.42	-0.28	-61.70	-645.66	-641.85	-65.51	-47.05
		305	2.45	4.57	-0.20	4.56	-0.19	-0.27	6.28	-620.20	-619.94	6.02	-12.84
		307	2.32	4.40	-0.11	4.39	-0.10	0.21	6.57	-586.68	-586.68	6.57	-1.09
287	7	131	1.64	2.01	-0.36	1.92	-0.28	0.44	-47.01	-445.13	-442.99	-49.15	-29.13
		125	1.74	2.06	-0.30	2.05	-0.28	-0.19	-45.17	-472.09	-469.82	-47.44	-31.01
		305	1.79	3.06	-0.13	3.05	-0.12	-0.18	4.55	-454.38	-454.21	4.38	-8.75
		307	1.70	2.94	-0.07	2.94	-0.07	0.14	4.72	-430.58	-430.58	4.72	-0.21

287	40	131	1.19	0.30	-0.05	0.30	-0.04	-0.02	-30.88	-328.74	-328.73	-30.89	1.34
		125	1.23	0.30	-0.05	0.30	-0.05	0.03	-29.52	-339.93	-339.89	-29.56	-3.50
		305	1.26	0.44	-0.02	0.44	-0.02	0.03	1.68	-332.69	-332.54	1.52	-7.23
		307	1.22	0.44	-0.02	0.44	-0.02	-0.03	0.22	-321.63	-321.62	0.20	-2.19
287	72	131	1.13	0.17	-0.02	0.17	-0.02	-7.39e-03	-29.55	-315.16	-315.09	-29.63	4.66
		125	1.18	0.17	-0.03	0.17	-0.03	0.01	-28.86	-326.76	-326.76	-28.86	-0.29
		305	1.21	0.24	-9.70e-03	0.24	-9.10e-03	0.01	2.23	-319.34	-319.29	2.17	-4.22
		307	1.17	0.24	-7.98e-03	0.24	-6.92e-03	-0.02	1.42	-308.36	-308.36	1.41	0.93
288	3	125	2.40	3.07	-0.42	3.07	-0.42	0.07	-61.50	-646.06	-642.07	-65.49	-48.14
		128	2.15	2.97	-0.68	2.72	-0.44	-0.91	-60.60	-583.50	-579.08	-65.02	-47.87
		306	2.22	4.10	-0.16	4.08	-0.14	-0.28	6.90	-561.82	-561.42	6.50	-15.15
		305	2.46	4.71	-0.15	4.70	-0.14	0.18	5.98	-620.04	-620.02	5.96	-3.87
288	7	125	1.75	2.05	-0.28	2.05	-0.28	0.05	-45.03	-472.36	-469.97	-47.42	-31.82
		128	1.57	1.98	-0.45	1.82	-0.29	-0.61	-44.25	-427.84	-425.10	-47.00	-32.31
		306	1.63	2.74	-0.11	2.73	-0.09	-0.19	4.97	-412.74	-412.48	4.71	-10.49
		305	1.79	3.15	-0.10	3.14	-0.09	0.12	4.34	-454.26	-454.25	4.33	-2.31
288	37	125	1.24	0.30	-0.06	0.29	-0.05	-0.06	-29.92	-342.25	-342.20	-29.97	-3.83
		128	1.16	0.29	-0.04	0.29	-0.04	-5.92e-03	-28.78	-320.82	-320.57	-29.03	-8.48
		306	1.19	0.43	-0.01	0.43	-0.01	4.83e-03	1.56	-313.59	-313.37	1.34	-8.37
		305	1.26	0.45	-0.03	0.44	-0.02	-0.06	1.09	-333.73	-333.69	1.05	-3.81
288	69	125	1.18	0.17	-0.03	0.17	-0.03	-0.03	-29.04	-327.88	-327.88	-29.04	-0.79
		128	1.10	0.16	-0.02	0.16	-0.02	-7.23e-03	-28.06	-306.37	-306.26	-28.17	-5.64
		306	1.13	0.24	-6.34e-03	0.24	-6.32e-03	2.13e-03	2.21	-299.60	-299.49	2.11	-5.55
		305	1.21	0.24	-0.01	0.24	-0.01	-0.03	1.88	-319.81	-319.80	1.88	-0.79
289	3	128	2.11	2.89	-0.58	2.77	-0.46	-0.64	-61.44	-573.48	-568.74	-66.18	-49.03
		122	1.91	2.84	-0.49	2.59	-0.23	-0.89	-59.77	-521.18	-515.67	-65.28	-50.12
		304	1.97	3.48	-0.34	3.46	-0.32	-0.26	2.23	-500.02	-499.72	1.93	-12.23
		306	2.18	3.99	-0.17	3.98	-0.17	0.03	4.60	-550.72	-550.44	4.32	-12.47
289	7	128	1.55	1.93	-0.39	1.85	-0.30	-0.42	-44.94	-420.79	-417.85	-47.88	-33.10
		122	1.40	1.90	-0.33	1.73	-0.16	-0.59	-43.75	-383.35	-379.92	-47.19	-33.98
		304	1.45	2.32	-0.23	2.31	-0.22	-0.17	1.64	-368.49	-368.29	1.45	-8.42
		306	1.59	2.66	-0.11	2.66	-0.11	0.02	3.38	-404.80	-404.62	3.19	-8.60
289	37	128	1.14	0.27	-0.07	0.25	-0.05	-0.07	-29.24	-316.05	-315.82	-29.47	-8.03
		122	1.07	0.26	-0.05	0.25	-0.04	-0.05	-29.15	-297.12	-296.81	-29.45	-9.05
		304	1.09	0.41	-0.01	0.40	-0.01	-0.03	-0.44	-289.06	-288.87	-0.63	-7.46
		306	1.17	0.42	-0.03	0.41	-0.02	-0.06	1.40	-307.76	-307.57	1.21	-7.67
289	69	128	1.09	0.15	-0.04	0.14	-0.03	-0.04	-28.72	-302.69	-302.58	-28.83	-5.48
		122	1.02	0.15	-0.03	0.14	-0.02	-0.03	-28.28	-283.66	-283.50	-28.45	-6.56
		304	1.04	0.22	-6.09e-03	0.22	-5.20e-03	-0.01	0.40	-275.89	-275.82	0.32	-4.65
		306	1.11	0.23	-0.01	0.22	-8.91e-03	-0.03	1.88	-294.67	-294.60	1.80	-4.81
290	3	122	1.94	2.58	-0.58	2.44	-0.43	-0.66	-60.52	-529.79	-524.07	-66.25	-51.53
		185	1.31	2.41	-0.81	1.75	-0.15	-1.30	-48.89	-364.10	-350.66	-62.33	-63.68
		308	1.34	2.24	-0.44	2.18	-0.37	-0.40	1.96	-342.22	-340.74	0.49	-22.48
		304	2.02	3.81	-0.07	3.81	-0.06	0.17	7.33	-508.86	-508.76	7.24	-6.90
290	7	122	1.43	1.73	-0.38	1.63	-0.29	-0.44	-44.21	-389.53	-385.94	-47.80	-35.03
		185	0.97	1.61	-0.54	1.17	-0.10	-0.87	-36.60	-269.79	-261.36	-45.04	-43.54
		308	1.00	1.50	-0.29	1.46	-0.25	-0.27	1.36	-254.94	-253.96	0.38	-15.81
		304	1.48	2.55	-0.04	2.54	-0.04	0.12	5.28	-374.97	-374.92	5.23	-4.60
290	37	122	1.06	0.24	-0.08	0.20	-0.05	-0.10	-27.60	-294.10	-293.76	-27.94	-9.47
		185	0.81	0.21	-0.04	0.20	-0.03	-0.06	-27.98	-227.62	-226.83	-28.77	-12.52
		308	0.83	0.29	-0.01	0.29	-8.37e-03	-0.04	-1.66	-221.34	-220.77	-2.23	-11.22
		304	1.09	0.32	-0.05	0.30	-0.03	-0.08	2.41	-287.56	-287.47	2.32	-5.07
290	69	122	1.02	0.14	-0.04	0.12	-0.03	-0.05	-27.38	-283.87	-283.67	-27.58	-7.19
		185	0.77	0.12	-0.02	0.11	-0.01	-0.03	-26.85	-217.10	-216.54	-27.41	-10.27
		308	0.79	0.16	-5.99e-03	0.15	-4.09e-03	-0.02	-0.53	-210.89	-210.54	-0.88	-8.63
		304	1.05	0.18	-0.02	0.17	-0.01	-0.04	2.69	-277.46	-277.44	2.67	-2.46

291	1	185	1.66	0.25	-1.21	-0.93	-0.02	-0.57	-17.48	-443.83	-433.66	-27.65	-65.06
		246	1.08	0.14	-1.50	-1.34	-0.02	-0.48	-24.73	-289.77	-284.25	-30.25	-37.86
		311	1.08	-0.05	-1.84	-1.77	-0.12	-0.35	-1.44	-276.80	-275.74	-2.49	-17.02
		308	1.59	0.20	-0.58	-0.49	0.11	-0.25	2.09	-419.41	-419.20	1.88	-9.34
291	5	185	1.20	0.17	-0.80	-0.62	-0.02	-0.38	-15.38	-323.31	-316.70	-21.99	-44.64
		246	0.78	0.09	-1.00	-0.89	-0.01	-0.32	-19.65	-209.95	-206.21	-23.39	-26.44
		311	0.78	-0.03	-1.22	-1.18	-0.08	-0.23	-0.99	-200.72	-199.95	-1.76	-12.33
		308	1.16	0.13	-0.39	-0.32	0.07	-0.17	1.61	-306.39	-306.26	1.48	-6.21
291	24	185	0.80	0.03	-0.12	-0.07	-0.01	-0.07	-25.06	-224.81	-223.88	-25.99	-13.58
		246	0.50	0.04	-0.12	-0.08	-7.23e-04	-0.07	-23.68	-143.93	-142.57	-25.04	-12.72
		311	0.52	0.02	-0.10	-0.08	-1.25e-03	-0.05	-0.47	-138.39	-137.41	-1.45	-11.57
		308	0.82	0.02	-0.10	-0.06	-0.01	-0.05	2.66	-217.20	-217.11	2.56	-4.50
291	56	185	0.77	0.03	-0.06	-0.02	-6.82e-03	-0.04	-25.66	-215.81	-215.12	-26.36	-11.48
		246	0.47	0.02	-0.06	-0.03	5.13e-04	-0.04	-23.54	-134.71	-133.65	-24.60	-10.82
		311	0.49	0.01	-0.05	-0.03	-7.54e-04	-0.02	-0.38	-129.59	-128.90	-1.07	-9.39
		308	0.79	0.02	-0.04	-0.02	-6.65e-03	-0.03	2.14	-208.78	-208.76	2.12	-2.13
292	1	246	1.07	0.22	-1.23	-1.06	0.05	-0.46	-25.37	-287.56	-280.73	-32.19	-41.74
		110	0.54	0.09	-1.27	-1.23	0.05	-0.23	-26.63	-147.83	-143.73	-30.72	-21.90
		302	0.57	3.10e-03	-1.99	-1.88	-0.10	-0.44	-3.79	-142.16	-140.57	-5.38	-14.75
		311	1.04	0.19	-0.98	-0.85	0.06	-0.37	-0.66	-271.29	-271.20	-0.75	-4.99
292	5	246	0.77	0.15	-0.82	-0.70	0.03	-0.31	-20.13	-208.39	-203.71	-24.81	-29.31
		110	0.39	0.06	-0.84	-0.82	0.03	-0.15	-20.50	-106.61	-103.75	-23.36	-15.44
		302	0.41	2.04e-03	-1.32	-1.26	-0.07	-0.29	-2.74	-102.52	-101.35	-3.91	-10.74
		311	0.75	0.13	-0.65	-0.56	0.04	-0.24	-0.46	-196.77	-196.71	-0.52	-3.30
292	19	246	0.48	0.02	-0.13	-0.13	0.02	-0.03	-22.94	-136.18	-135.09	-24.02	-11.04
		110	0.24	0.02	-0.14	-0.14	0.01	-0.03	-21.23	-71.39	-70.67	-21.95	-5.99
		302	0.26	0.01	-0.16	-0.15	9.58e-03	-0.02	-1.90	-68.70	-67.95	-2.65	-7.03
		311	0.49	0.01	-0.15	-0.15	0.01	-0.02	1.08	-129.70	-129.70	1.08	-0.33
292	51	246	0.45	0.01	-0.06	-0.06	8.43e-03	-0.02	-23.43	-130.60	-129.44	-24.58	-11.07
		110	0.22	0.01	-0.07	-0.06	8.04e-03	-0.02	-20.90	-65.72	-64.87	-21.76	-6.15
		302	0.24	6.15e-03	-0.08	-0.07	4.45e-03	-0.01	-1.74	-63.22	-62.44	-2.52	-6.88
		311	0.47	6.53e-03	-0.07	-0.06	5.29e-03	-9.37e-03	0.47	-124.33	-124.33	0.47	-0.07
293	4	315	0.19	0.35	-0.36	0.25	-0.27	-0.25	-4.44	-50.48	-50.11	-4.82	4.14
		313	0.15	9.35e-03	-0.88	-0.36	-0.51	0.44	11.54	-26.40	-4.74	-10.12	18.78
		277	0.40	0.65	-0.53	0.15	-0.03	0.58	52.39	-62.31	9.17	-19.09	55.58
		109	0.56	0.51	-0.39	0.44	-0.33	0.24	32.84	-127.26	-53.74	-40.68	79.79
293	5	315	0.38	0.12	-0.68	-0.58	0.02	0.26	-1.96	-99.16	-99.16	-1.96	-0.42
		313	0.15	0.03	-1.15	-1.05	-0.06	0.33	-2.87	-32.71	-29.81	-5.78	8.84
		277	0.10	0.08	-0.67	-0.65	0.06	-0.12	-13.65	-29.56	-24.98	-18.23	7.21
		109	0.39	0.17	-0.65	-0.59	0.11	0.21	-20.58	-109.13	-104.81	-24.91	19.09
293	21	315	0.23	0.02	-0.11	-0.11	0.02	0.02	-0.40	-61.54	-61.47	-0.48	-2.13
		313	0.08	0.01	-0.12	-0.12	0.01	0.02	-2.81	-22.71	-21.25	-4.26	5.18
		277	0.07	0.02	-0.11	-0.10	0.02	0.02	-15.35	-20.04	-18.47	-16.92	2.21
		109	0.23	0.02	-0.10	-0.10	0.02	0.02	-20.52	-67.66	-66.27	-21.91	7.99
293	53	315	0.22	9.64e-03	-0.05	-0.05	8.75e-03	7.38e-03	-0.80	-58.62	-58.55	-0.86	-1.97
		313	0.07	6.93e-03	-0.06	-0.06	5.83e-03	8.31e-03	-2.06	-19.97	-18.18	-3.85	5.38
		277	0.06	0.01	-0.05	-0.05	8.56e-03	9.40e-03	-13.12	-18.69	-15.31	-16.50	2.72
		109	0.22	0.01	-0.05	-0.04	0.01	0.01	-20.60	-64.94	-63.26	-22.28	8.46
294	2	312	0.24	0.02	-1.06	-0.98	-0.06	-0.28	-2.73	-58.87	-51.51	-10.09	-18.94
		314	0.60	0.08	-0.45	-0.37	2.79e-03	-0.19	1.44	-155.44	-155.23	1.22	-5.79
		1	0.65	0.38	-0.52	-0.25	0.11	-0.41	-22.57	-179.15	-161.36	-40.36	-49.69
		288	0.28	0.10	-0.38	-0.38	0.10	-0.01	-2.77	-75.65	-43.51	-34.91	-36.18
294	6	312	0.18	0.01	-0.71	-0.65	-0.04	-0.19	-1.98	-43.57	-38.03	-7.52	-14.12
		314	0.44	0.05	-0.30	-0.25	1.82e-03	-0.13	1.15	-114.96	-114.80	1.00	-4.28
		1	0.48	0.26	-0.35	-0.17	0.08	-0.28	-17.10	-132.74	-119.37	-30.46	-36.98
		288	0.21	0.07	-0.25	-0.25	0.07	-9.31e-03	-1.67	-56.48	-32.05	-26.10	-27.24

294	9	312	0.14	0.01	-0.06	-0.05	-9.25e-04	-0.03	-2.15	-36.79	-31.92	-7.01	-12.04
		314	0.34	3.44e-03	-0.06	-0.05	-5.18e-03	-0.02	1.31	-89.09	-88.92	1.14	-3.91
		1	0.36	0.02	-0.04	-0.02	2.29e-03	-0.03	-15.68	-103.42	-92.25	-26.84	-29.24
		288	0.18	0.03	-0.04	-0.02	6.30e-03	-0.03	-0.53	-48.48	-26.77	-22.24	-23.87
294	41	312	0.13	6.37e-03	-0.03	-0.02	-6.12e-04	-0.01	-1.66	-34.53	-29.73	-6.46	-11.61
		314	0.33	1.71e-03	-0.03	-0.02	-2.68e-03	-0.01	1.39	-86.97	-86.83	1.24	-3.54
		1	0.36	0.02	-0.02	-4.41e-03	2.13e-03	-0.02	-15.49	-101.58	-90.30	-26.76	-29.04
		288	0.18	0.02	-0.02	-8.80e-03	3.96e-03	-0.02	0.45	-46.88	-24.72	-21.71	-23.62
295	2	314	0.61	5.41e-03	-0.90	-0.85	-0.05	-0.21	-0.52	-158.02	-156.21	-2.33	-16.78
		323	1.03	0.23	-0.21	-0.01	0.03	-0.22	1.22	-273.56	-273.33	0.98	-8.04
		245	1.07	0.47	-0.55	-0.12	0.05	-0.50	-26.44	-294.70	-283.37	-37.77	-53.96
		1	0.63	0.28	-0.61	-0.40	0.07	-0.38	-23.68	-175.14	-160.43	-38.39	-44.85
295	6	314	0.45	3.58e-03	-0.60	-0.57	-0.03	-0.14	-0.32	-116.82	-115.48	-1.67	-12.43
		323	0.76	0.15	-0.14	-5.20e-03	0.02	-0.15	1.01	-202.59	-202.43	0.84	-5.80
		245	0.79	0.32	-0.36	-0.08	0.03	-0.34	-20.81	-217.96	-209.82	-28.95	-39.23
		1	0.47	0.19	-0.41	-0.27	0.04	-0.25	-17.91	-129.70	-118.63	-28.99	-33.40
295	9	314	0.36	0.03	-0.04	-0.01	1.80e-03	-0.04	-0.85	-95.17	-93.99	-2.03	-10.48
		323	0.60	0.03	-0.04	-5.42e-03	-8.88e-03	-0.04	1.65	-160.37	-160.24	1.52	-4.49
		245	0.60	0.05	-0.05	6.65e-03	-5.19e-03	-0.05	-23.78	-170.02	-165.58	-28.22	-25.07
		1	0.37	0.05	-0.05	1.52e-03	5.91e-03	-0.05	-17.52	-105.73	-96.58	-26.67	-26.90
295	44	314	0.34	0.02	-0.02	-1.18e-05	2.00e-04	-0.02	-0.32	-90.45	-89.36	-1.41	-9.88
		323	0.59	0.02	-0.02	7.75e-03	-5.14e-03	-0.02	1.56	-155.85	-155.75	1.47	-3.87
		245	0.58	0.04	-0.03	0.01	-2.67e-03	-0.03	-23.81	-165.50	-161.04	-28.26	-24.72
		1	0.35	0.03	-0.02	7.76e-03	3.14e-03	-0.03	-16.66	-101.28	-91.90	-26.04	-26.57
296	4	323	0.98	1.70	-0.27	1.67	-0.24	-0.24	3.25	-249.23	-248.59	2.62	-12.66
		322	1.60	2.70	-0.21	2.68	-0.19	0.25	5.24	-405.70	-405.64	5.19	4.70
		228	1.50	2.16	-0.38	2.00	-0.23	-0.60	-69.51	-416.16	-415.79	-69.88	11.27
		245	0.90	1.76	-0.58	1.28	-0.10	-0.94	-60.92	-257.14	-255.36	-62.70	-18.63
296	8	323	0.73	1.13	-0.18	1.11	-0.16	-0.16	2.35	-186.63	-186.14	1.87	-9.61
		322	1.18	1.81	-0.14	1.79	-0.13	0.17	3.78	-300.74	-300.71	3.75	2.90
		228	1.11	1.44	-0.26	1.34	-0.15	-0.41	-50.34	-308.41	-308.30	-50.45	5.21
		245	0.67	1.18	-0.39	0.86	-0.07	-0.63	-43.85	-192.91	-191.29	-45.47	-15.47
296	26	323	0.63	0.22	-7.57e-03	0.22	-3.65e-03	-0.03	-1.38	-166.91	-166.54	-1.76	-7.85
		322	0.91	0.24	-0.04	0.23	-0.03	-0.06	1.02	-240.28	-240.27	1.02	-0.54
		228	0.88	0.20	-0.06	0.17	-0.04	-0.08	-28.94	-246.99	-245.87	-30.06	-15.58
		245	0.61	0.18	-0.03	0.17	-0.01	-0.05	-26.88	-173.91	-170.70	-30.09	-21.47
296	58	323	0.60	0.11	-3.75e-03	0.11	-1.91e-03	-0.01	0.05	-160.03	-159.60	-0.39	-8.32
		322	0.88	0.13	-0.02	0.13	-0.01	-0.03	1.65	-233.50	-233.49	1.65	-1.15
		228	0.86	0.11	-0.03	0.10	-0.02	-0.04	-28.21	-240.66	-239.38	-29.50	-16.45
		245	0.59	0.10	-0.01	0.09	-5.46e-03	-0.03	-25.21	-167.61	-164.07	-28.76	-22.20
297	4	322	1.61	2.86	-0.24	2.85	-0.22	-0.24	3.92	-408.16	-408.04	3.80	-6.99
		316	2.16	3.91	-0.14	3.90	-0.13	0.21	7.63	-546.28	-546.14	7.49	8.73
		115	2.07	2.69	-0.43	2.63	-0.38	-0.42	-67.03	-564.49	-561.31	-70.21	39.68
		228	1.51	2.47	-0.57	2.05	-0.15	-1.05	-68.61	-418.77	-418.15	-69.23	14.79
297	8	322	1.19	1.91	-0.16	1.90	-0.15	-0.16	2.83	-302.44	-302.34	2.73	-5.60
		316	1.58	2.61	-0.09	2.61	-0.09	0.14	5.48	-401.87	-401.79	5.40	5.73
		115	1.52	1.80	-0.29	1.76	-0.25	-0.28	-48.90	-414.48	-412.75	-50.64	25.13
		228	1.12	1.65	-0.38	1.37	-0.10	-0.70	-49.74	-310.13	-309.90	-49.97	7.70
297	26	322	0.94	0.35	-3.98e-03	0.35	-3.36e-03	-0.01	-1.23	-248.50	-248.39	-1.34	-5.21
		316	1.15	0.38	-0.04	0.37	-0.03	-0.06	1.97	-303.48	-303.48	1.96	1.13
		115	1.12	0.28	-0.07	0.26	-0.05	-0.08	-29.58	-309.96	-309.76	-29.78	-7.52
		228	0.91	0.26	-0.03	0.25	-0.02	-0.04	-30.50	-255.41	-254.56	-31.36	-13.82
297	58	322	0.90	0.19	-1.96e-03	0.19	-1.66e-03	-7.40e-03	0.26	-237.66	-237.50	0.11	-6.13
		316	1.11	0.20	-0.02	0.20	-0.01	-0.03	2.52	-292.78	-292.78	2.52	0.20
		115	1.08	0.16	-0.04	0.14	-0.02	-0.05	-28.95	-299.37	-299.09	-29.23	-8.75
		228	0.87	0.14	-0.01	0.13	-0.01	-0.02	-28.87	-244.76	-243.71	-29.92	-15.04

298	4	316	2.12	3.81	-0.26	3.81	-0.26	-0.11	3.71	-537.96	-537.93	3.67	4.26
		320	2.27	4.11	-0.21	4.10	-0.20	0.17	4.28	-575.74	-575.70	4.24	4.65
		129	2.21	2.99	-0.44	2.93	-0.38	-0.45	-65.53	-597.48	-593.91	-69.10	43.41
		115	2.05	2.90	-0.44	2.75	-0.29	-0.69	-66.70	-557.32	-554.03	-69.99	40.05
298	8	316	1.55	2.55	-0.17	2.55	-0.17	-0.07	2.70	-395.75	-395.73	2.68	2.52
		320	1.66	2.75	-0.14	2.74	-0.14	0.11	3.10	-422.73	-422.72	3.08	2.79
		129	1.61	2.00	-0.29	1.96	-0.25	-0.30	-47.97	-437.88	-435.88	-49.97	27.85
		115	1.50	1.94	-0.30	1.84	-0.20	-0.46	-48.76	-409.31	-407.51	-50.57	25.44
298	26	316	1.15	0.46	-9.25e-03	0.46	-8.94e-03	-0.01	-0.20	-303.46	-303.46	-0.20	-0.65
		320	1.20	0.46	-0.02	0.46	-0.02	-0.04	0.53	-316.87	-316.87	0.53	-0.69
		129	1.17	0.31	-0.06	0.30	-0.05	-0.06	-30.60	-325.10	-324.97	-30.73	-6.02
		115	1.12	0.30	-0.04	0.30	-0.04	-0.03	-31.16	-311.85	-311.67	-31.34	-7.22
298	58	316	1.10	0.24	-4.51e-03	0.24	-4.36e-03	-6.09e-03	0.81	-290.51	-290.50	0.81	-1.56
		320	1.15	0.25	-9.20e-03	0.25	-7.80e-03	-0.02	1.26	-303.97	-303.96	1.25	-1.56
		129	1.12	0.17	-0.03	0.17	-0.03	-0.03	-29.78	-312.04	-311.86	-29.96	-7.13
		115	1.07	0.17	-0.02	0.17	-0.02	-0.02	-30.03	-298.75	-298.49	-30.29	-8.37
299	4	320	2.32	4.40	-0.11	4.39	-0.10	-0.21	6.57	-586.68	-586.67	6.57	1.09
		318	2.45	4.57	-0.20	4.56	-0.19	0.27	6.28	-620.20	-619.94	6.02	12.84
		123	2.39	3.09	-0.44	3.06	-0.42	0.28	-61.70	-645.66	-641.84	-65.51	47.05
		129	2.25	3.00	-0.54	2.88	-0.42	-0.65	-64.25	-607.81	-604.02	-68.04	45.24
299	8	320	1.70	2.94	-0.07	2.94	-0.07	-0.14	4.72	-430.57	-430.57	4.72	0.21
		318	1.79	3.06	-0.13	3.05	-0.12	0.18	4.55	-454.37	-454.21	4.38	8.75
		123	1.74	2.06	-0.30	2.05	-0.28	0.19	-45.17	-472.08	-469.82	-47.44	31.00
		129	1.64	2.01	-0.36	1.92	-0.28	-0.44	-47.01	-445.13	-442.99	-49.15	29.13
299	34	320	1.22	0.44	-0.02	0.44	-0.02	0.03	0.22	-321.63	-321.61	0.20	2.19
		318	1.26	0.44	-0.02	0.44	-0.02	-0.03	1.68	-332.69	-332.54	1.52	7.23
		123	1.23	0.30	-0.05	0.30	-0.05	-0.03	-29.52	-339.93	-339.89	-29.56	3.49
		129	1.19	0.30	-0.05	0.30	-0.04	0.02	-30.88	-328.73	-328.73	-30.89	-1.34
299	66	320	1.17	0.24	-7.98e-03	0.24	-6.92e-03	0.02	1.42	-308.35	-308.35	1.41	-0.93
		318	1.21	0.24	-9.70e-03	0.24	-9.10e-03	-0.01	2.23	-319.34	-319.29	2.17	4.22
		123	1.18	0.17	-0.03	0.17	-0.03	-0.01	-28.86	-326.76	-326.76	-28.86	0.29
		129	1.13	0.17	-0.02	0.17	-0.02	7.39e-03	-29.55	-315.16	-315.08	-29.63	-4.66
300	4	318	2.46	4.71	-0.15	4.70	-0.14	-0.18	5.98	-620.04	-620.02	5.96	3.87
		319	2.22	4.10	-0.16	4.08	-0.14	0.28	6.90	-561.82	-561.42	6.50	15.15
		126	2.15	2.97	-0.68	2.72	-0.44	0.91	-60.60	-583.49	-579.08	-65.02	47.86
		123	2.40	3.07	-0.42	3.07	-0.42	-0.07	-61.50	-646.06	-642.07	-65.49	48.14
300	8	318	1.79	3.15	-0.10	3.14	-0.09	-0.12	4.34	-454.26	-454.25	4.33	2.31
		319	1.63	2.74	-0.11	2.73	-0.09	0.19	4.97	-412.74	-412.48	4.71	10.49
		126	1.57	1.98	-0.45	1.82	-0.29	0.61	-44.26	-427.84	-425.10	-46.99	32.30
		123	1.75	2.05	-0.28	2.05	-0.28	-0.05	-45.04	-472.35	-469.97	-47.42	31.82
300	35	318	1.26	0.45	-0.03	0.44	-0.02	0.06	1.09	-333.73	-333.68	1.05	3.81
		319	1.19	0.43	-0.01	0.43	-0.01	-4.83e-03	1.56	-313.59	-313.36	1.34	8.37
		126	1.16	0.29	-0.04	0.29	-0.04	5.92e-03	-28.78	-320.82	-320.57	-29.03	8.48
		123	1.24	0.30	-0.06	0.29	-0.05	0.06	-29.92	-342.25	-342.20	-29.97	3.83
300	67	318	1.21	0.24	-0.01	0.24	-0.01	0.03	1.88	-319.80	-319.80	1.88	0.79
		319	1.13	0.24	-6.34e-03	0.24	-6.32e-03	-2.13e-03	2.21	-299.60	-299.49	2.11	5.55
		126	1.10	0.16	-0.02	0.16	-0.02	7.23e-03	-28.06	-306.37	-306.26	-28.17	5.63
		123	1.18	0.17	-0.03	0.17	-0.03	0.03	-29.04	-327.88	-327.87	-29.04	0.78
301	4	319	2.18	3.99	-0.17	3.98	-0.17	-0.03	4.60	-550.72	-550.44	4.32	12.47
		317	1.97	3.48	-0.34	3.46	-0.32	0.26	2.23	-500.02	-499.72	1.93	12.23
		121	1.91	2.84	-0.49	2.59	-0.23	0.89	-59.77	-521.18	-515.67	-65.28	50.12
		126	2.11	2.89	-0.58	2.77	-0.46	0.64	-61.44	-573.48	-568.74	-66.18	49.02
301	8	319	1.59	2.66	-0.11	2.66	-0.11	-0.02	3.38	-404.80	-404.62	3.19	8.60
		317	1.45	2.32	-0.23	2.31	-0.22	0.17	1.64	-368.49	-368.29	1.45	8.42
		121	1.40	1.90	-0.33	1.73	-0.16	0.59	-43.75	-383.35	-379.92	-47.19	33.97
		126	1.55	1.93	-0.39	1.85	-0.30	0.42	-44.95	-420.79	-417.85	-47.88	33.09

301	35	319	1.17	0.42	-0.03	0.41	-0.02	0.06	1.40	-307.76	-307.57	1.21	7.67
		317	1.09	0.41	-0.01	0.40	-0.01	0.03	-0.44	-289.06	-288.87	-0.63	7.46
		121	1.07	0.26	-0.05	0.25	-0.04	0.05	-29.15	-297.12	-296.81	-29.45	9.05
		126	1.14	0.27	-0.07	0.25	-0.05	0.07	-29.24	-316.05	-315.82	-29.47	8.02
301	67	319	1.11	0.23	-0.01	0.22	-8.91e-03	0.03	1.88	-294.67	-294.59	1.80	4.81
		317	1.04	0.22	-6.09e-03	0.22	-5.20e-03	0.01	0.40	-275.89	-275.82	0.32	4.65
		121	1.02	0.15	-0.03	0.14	-0.02	0.03	-28.28	-283.66	-283.50	-28.45	6.55
		126	1.09	0.15	-0.04	0.14	-0.03	0.04	-28.72	-302.69	-302.58	-28.83	5.48
302	1	317	1.88	0.15	-0.28	-0.24	0.11	0.12	3.76	-496.75	-496.33	3.34	14.55
		321	1.61	-0.03	-1.38	-1.29	-0.11	0.33	-0.08	-421.07	-420.27	-0.88	18.38
		227	1.67	0.09	-1.35	-1.18	-0.08	0.46	-16.01	-444.12	-434.40	-25.73	63.77
		121	2.00	0.23	-1.01	-0.71	-0.07	0.53	-6.41	-530.72	-512.39	-24.75	96.31
302	5	317	1.39	0.10	-0.18	-0.16	0.07	0.08	2.88	-366.88	-366.62	2.63	9.70
		321	1.17	-0.02	-0.92	-0.86	-0.07	0.22	0.02	-307.53	-306.97	-0.54	13.08
		227	1.21	0.06	-0.89	-0.78	-0.05	0.31	-14.36	-323.47	-317.19	-20.64	43.60
		121	1.46	0.15	-0.67	-0.47	-0.05	0.35	-8.73	-389.55	-378.15	-20.13	64.88
302	18	317	1.09	0.06	-0.06	0.02	-0.01	0.06	3.52	-287.85	-287.70	3.37	6.65
		321	0.83	0.04	-0.04	1.09e-03	-7.25e-04	0.04	1.22	-221.33	-220.65	0.55	12.24
		227	0.82	0.04	-0.08	-0.03	-6.54e-03	0.06	-25.24	-228.85	-227.86	-26.22	14.12
		121	1.06	0.05	-0.09	-0.02	-0.02	0.07	-26.62	-295.64	-295.14	-27.12	11.62
302	51	317	1.05	0.05	-0.02	0.04	-6.39e-03	0.03	3.21	-277.62	-277.59	3.17	3.23
		321	0.79	0.04	-9.94e-03	0.03	-9.64e-04	0.02	0.85	-210.92	-210.52	0.45	9.14
		227	0.77	0.04	-0.03	7.70e-03	-4.15e-03	0.03	-25.54	-217.71	-217.08	-26.18	11.05
		121	1.02	0.05	-0.04	0.02	-0.01	0.04	-26.92	-284.63	-284.37	-27.18	8.24
303	1	321	1.59	0.20	-0.58	-0.49	0.11	0.25	2.09	-419.41	-419.21	1.88	9.34
		324	1.08	-0.05	-1.84	-1.77	-0.12	0.35	-1.44	-276.80	-275.75	-2.49	17.02
		247	1.08	0.14	-1.50	-1.34	-0.02	0.48	-24.73	-289.78	-284.25	-30.25	37.85
		227	1.66	0.25	-1.21	-0.93	-0.02	0.57	-17.48	-443.83	-433.66	-27.65	65.05
303	5	321	1.16	0.13	-0.39	-0.32	0.07	0.17	1.61	-306.39	-306.26	1.48	6.21
		324	0.78	-0.03	-1.22	-1.18	-0.08	0.23	-0.99	-200.72	-199.96	-1.76	12.33
		247	0.78	0.09	-1.00	-0.89	-0.01	0.32	-19.65	-209.96	-206.21	-23.39	26.44
		227	1.20	0.17	-0.80	-0.62	-0.02	0.38	-15.38	-323.31	-316.70	-21.99	44.63
303	18	321	0.82	0.02	-0.10	-0.06	-0.01	0.05	2.66	-217.20	-217.11	2.56	4.50
		324	0.52	0.02	-0.10	-0.08	-1.25e-03	0.05	-0.47	-138.40	-137.42	-1.45	11.57
		247	0.50	0.04	-0.12	-0.08	-7.23e-04	0.07	-23.68	-143.94	-142.57	-25.04	12.72
		227	0.80	0.03	-0.12	-0.07	-0.01	0.07	-25.06	-224.81	-223.89	-25.99	13.58
303	50	321	0.79	0.02	-0.04	-0.02	-6.65e-03	0.03	2.14	-208.78	-208.76	2.12	2.13
		324	0.49	0.01	-0.05	-0.03	-7.54e-04	0.02	-0.38	-129.59	-128.91	-1.07	9.39
		247	0.47	0.02	-0.06	-0.03	5.13e-04	0.04	-23.54	-134.71	-133.65	-24.60	10.81
		227	0.77	0.03	-0.06	-0.02	-6.82e-03	0.04	-25.66	-215.82	-215.12	-26.36	11.48
304	1	324	1.04	0.19	-0.98	-0.85	0.06	0.37	-0.66	-271.30	-271.21	-0.75	4.99
		315	0.57	3.11e-03	-1.99	-1.88	-0.10	0.44	-3.79	-142.16	-140.57	-5.38	14.75
		109	0.54	0.09	-1.27	-1.23	0.05	0.23	-26.63	-147.83	-143.74	-30.72	21.90
		247	1.07	0.22	-1.23	-1.06	0.05	0.46	-25.37	-287.56	-280.74	-32.19	41.74
304	5	324	0.75	0.13	-0.65	-0.56	0.04	0.24	-0.46	-196.77	-196.72	-0.51	3.30
		315	0.41	2.04e-03	-1.32	-1.26	-0.07	0.29	-2.74	-102.52	-101.35	-3.91	10.74
		109	0.39	0.06	-0.84	-0.82	0.03	0.15	-20.50	-106.61	-103.75	-23.36	15.44
		247	0.77	0.15	-0.82	-0.70	0.03	0.31	-20.13	-208.39	-203.71	-24.81	29.31
304	21	324	0.49	0.01	-0.15	-0.15	0.01	0.02	1.08	-129.70	-129.70	1.08	0.33
		315	0.26	0.01	-0.16	-0.15	9.58e-03	0.02	-1.90	-68.70	-67.96	-2.65	7.03
		109	0.24	0.02	-0.14	-0.14	0.01	0.03	-21.23	-71.40	-70.67	-21.95	5.99
		247	0.48	0.02	-0.13	-0.13	0.02	0.03	-22.94	-136.18	-135.10	-24.02	11.03
304	53	324	0.47	6.53e-03	-0.07	-0.06	5.29e-03	9.37e-03	0.47	-124.34	-124.34	0.47	0.07
		315	0.24	6.15e-03	-0.08	-0.07	4.45e-03	0.01	-1.74	-63.22	-62.44	-2.52	6.88
		109	0.22	0.01	-0.07	-0.06	8.03e-03	0.02	-20.90	-65.73	-64.87	-21.76	6.15
		247	0.45	0.01	-0.06	-0.06	8.43e-03	0.02	-23.43	-130.60	-129.44	-24.58	11.07

305	1	278	0.19	0.42	-0.29	-0.26	0.39	0.16	-6.91	-51.94	-37.37	-21.49	-21.07
		328	0.12	0.48	-0.86	-0.44	0.06	0.62	-3.78	-29.25	-8.22	-24.80	9.67
		326	0.09	0.42	-0.68	-0.55	0.29	-0.35	6.02	-16.69	-3.63	-7.04	-11.23
		300	0.15	0.15	-0.92	-0.60	-0.18	-0.49	-6.23	-41.99	-40.35	-7.87	7.48
305	5	278	0.13	0.28	-0.19	-0.17	0.26	0.10	-5.47	-37.59	-26.75	-16.31	-15.18
		328	0.09	0.32	-0.58	-0.29	0.04	0.42	-2.89	-21.79	-6.03	-18.65	7.03
		326	0.07	0.28	-0.45	-0.37	0.19	-0.24	4.40	-12.09	-2.72	-4.97	-8.17
		300	0.11	0.10	-0.61	-0.40	-0.12	-0.33	-4.49	-30.12	-28.85	-5.76	5.57
305	25	278	0.07	0.02	2.23e-04	2.03e-03	0.02	-6.13e-03	-8.56	-21.84	-15.03	-15.37	-6.64
		328	0.07	0.04	2.64e-03	3.52e-03	0.04	5.51e-03	-2.29	-19.29	-5.31	-16.27	6.50
		326	0.02	0.05	0.02	0.03	0.04	0.01	0.32	-5.78	-3.05	-2.41	-3.03
		300	0.07	0.03	0.02	0.02	0.02	3.58e-03	-1.43	-18.27	-15.42	-4.28	6.32
305	57	278	0.07	0.01	6.44e-04	2.04e-03	0.01	-3.85e-03	-7.13	-22.38	-14.41	-15.10	-7.62
		328	0.06	0.02	1.07e-03	1.56e-03	0.02	2.87e-03	-2.53	-18.24	-4.71	-16.07	5.43
		326	0.03	0.02	9.56e-03	0.01	0.02	6.35e-03	1.68	-6.57	-2.63	-2.25	-4.12
		300	0.06	0.01	9.04e-03	0.01	0.01	1.94e-03	-1.91	-17.14	-14.99	-4.06	5.30
306	4	313	0.06	0.14	-0.53	-0.02	-0.37	-0.28	-4.94	-14.72	-9.56	-10.10	-4.88
		325	0.09	0.25	-0.53	0.09	-0.37	0.32	0.27	-20.45	-11.05	-9.13	10.31
		327	0.09	0.10	-0.72	-0.18	-0.44	0.39	-11.01	-24.31	-12.09	-23.23	-3.63
		277	0.47	0.40	-0.32	0.18	-0.10	-0.34	67.03	-74.36	3.06	-10.39	70.38
306	8	313	0.05	0.09	-0.35	-0.01	-0.25	-0.19	-3.91	-11.65	-8.32	-7.25	-3.84
		325	0.06	0.17	-0.35	0.06	-0.24	0.21	0.57	-14.61	-7.67	-6.37	7.56
		327	0.06	0.07	-0.48	-0.12	-0.29	0.26	-7.70	-18.52	-8.61	-17.60	-3.01
		277	0.32	0.27	-0.21	0.12	-0.07	-0.22	43.91	-52.63	0.20	-8.91	48.06
306	34	313	0.05	-0.02	-0.03	-0.03	-0.02	2.63e-03	-2.88	-14.29	-13.77	-3.41	-2.39
		325	0.05	-0.02	-0.05	-0.03	-0.04	0.01	5.64	-8.87	-1.45	-1.79	7.25
		327	0.06	-7.28e-03	-0.04	-7.97e-03	-0.04	4.41e-03	-2.53	-15.92	-2.96	-15.49	-2.37
		277	0.08	-1.25e-03	-0.01	-1.87e-03	-0.01	-2.82e-03	-3.02	-23.96	-12.63	-14.34	10.43
306	66	313	0.05	-0.01	-0.01	-0.01	-0.01	1.06e-03	-2.63	-15.20	-14.19	-3.64	-3.41
		325	0.04	-0.01	-0.02	-0.02	-0.02	5.79e-03	4.26	-8.07	-1.86	-1.95	6.17
		327	0.06	-3.70e-03	-0.02	-3.97e-03	-0.02	1.93e-03	-2.66	-16.60	-3.57	-15.69	-3.43
		277	0.08	2.12e-04	-5.76e-03	1.73e-04	-5.72e-03	-4.81e-04	-4.45	-23.41	-13.25	-14.61	9.45
307	4	277	0.39	0.10	-0.80	0.08	-0.78	0.13	48.52	-67.34	-3.82	-14.99	57.66
		327	0.20	-0.19	-1.57	-0.31	-1.45	0.39	6.59	-40.20	-9.92	-23.69	22.36
		336	0.44	0.24	-0.57	0.15	-0.47	0.27	-2.01	-114.93	-2.79	-114.15	9.36
		286	0.84	0.22	-0.58	0.03	-0.40	0.34	51.07	-188.04	-15.88	-121.08	107.36
307	8	277	0.26	0.07	-0.53	0.06	-0.52	0.09	30.73	-47.58	-4.55	-12.31	38.96
		327	0.14	-0.13	-1.05	-0.21	-0.96	0.26	4.19	-29.32	-6.94	-18.19	15.78
		336	0.33	0.16	-0.38	0.10	-0.31	0.18	-1.40	-86.84	-1.81	-86.43	5.90
		286	0.58	0.15	-0.39	0.02	-0.26	0.22	29.93	-134.96	-13.40	-91.63	72.58
307	21	277	0.07	0.08	-0.04	-0.03	0.08	0.02	-15.41	-20.46	-16.82	-19.05	2.27
		327	0.08	0.08	-0.04	-0.03	0.08	0.01	-2.94	-21.74	-4.45	-20.22	5.11
		336	0.30	0.08	-0.05	-0.05	0.08	0.02	-0.85	-79.89	-1.09	-79.66	-4.32
		286	0.28	0.09	-0.05	-0.05	0.08	0.03	-21.92	-83.94	-22.44	-83.42	5.64
307	53	277	0.07	0.04	-0.02	-0.01	0.04	0.01	-13.69	-20.36	-15.87	-18.18	3.13
		327	0.08	0.04	-0.02	-0.02	0.04	6.98e-03	-1.49	-21.03	-3.44	-19.08	5.86
		336	0.30	0.04	-0.02	-0.02	0.04	7.71e-03	-0.17	-78.71	-0.32	-78.56	-3.41
		286	0.28	0.05	-0.03	-0.02	0.04	0.02	-21.02	-83.31	-21.73	-82.60	6.62
308	4	286	0.84	0.14	-1.05	-7.61e-04	-0.90	0.39	49.91	-187.85	-12.77	-125.18	104.75
		336	0.52	-0.16	-1.79	-0.31	-1.63	0.47	-1.15	-127.64	-8.23	-120.56	29.08
		330	0.94	0.21	-5.72e-04	0.20	0.01	0.05	5.99	-248.10	4.06	-246.17	22.05
		280	1.39	0.68	-0.88	-0.04	-0.16	0.78	54.98	-331.85	-17.54	-259.34	150.97
308	8	286	0.59	0.10	-0.70	-3.32e-04	-0.60	0.26	29.21	-134.97	-11.19	-94.57	70.71
		336	0.38	-0.11	-1.19	-0.21	-1.09	0.32	-1.15	-95.66	-5.72	-91.10	20.27
		330	0.71	0.14	2.04e-03	0.13	0.01	0.03	4.30	-186.65	3.17	-185.53	14.61
		280	0.98	0.46	-0.59	-0.03	-0.10	0.52	30.69	-240.49	-14.69	-195.11	101.23

308	18	286	0.32	0.12	-0.05	-0.03	0.11	0.05	-20.94	-92.59	-21.96	-91.58	8.45
		336	0.33	0.13	-0.04	-0.03	0.13	0.04	-2.71	-89.38	-3.61	-88.48	8.80
		330	0.64	0.15	-0.06	-0.04	0.14	0.05	3.03	-168.39	3.02	-168.37	1.54
		280	0.62	0.14	-0.07	-0.05	0.11	0.06	-22.74	-174.79	-23.00	-174.53	6.30
308	50	286	0.30	0.06	-0.02	-0.02	0.06	0.03	-20.15	-88.19	-20.98	-87.36	7.49
		336	0.32	0.07	-0.02	-0.01	0.06	0.02	-1.94	-85.03	-2.65	-84.31	7.67
		330	0.62	0.08	-0.03	-0.02	0.08	0.02	3.28	-164.35	3.27	-164.35	0.37
		280	0.60	0.08	-0.04	-0.02	0.07	0.03	-22.54	-170.63	-22.73	-170.44	5.31
309	4	280	1.32	0.11	-0.52	0.02	-0.43	0.22	58.46	-314.85	-14.86	-241.54	148.31
		330	0.90	0.28	-0.97	-0.03	-0.66	0.54	-1.22	-234.25	-4.42	-231.06	27.09
		332	0.97	0.16	-0.60	-0.12	-0.31	0.37	2.42	-253.89	-1.08	-250.38	29.76
		282	1.42	0.34	-0.56	-0.03	-0.20	0.44	60.85	-338.78	-18.07	-259.86	159.10
309	8	280	0.93	0.07	-0.34	0.01	-0.28	0.15	33.06	-228.03	-12.72	-182.24	99.28
		330	0.67	0.18	-0.64	-0.02	-0.44	0.36	-1.07	-176.51	-3.00	-174.57	18.33
		332	0.73	0.11	-0.39	-0.08	-0.20	0.24	1.55	-191.68	-0.57	-189.56	20.15
		282	1.00	0.23	-0.38	-0.02	-0.13	0.30	34.15	-245.65	-14.99	-196.51	106.47
309	18	280	0.61	0.16	-0.05	-0.04	0.15	0.04	-22.42	-172.19	-22.62	-171.99	5.49
		330	0.63	0.23	-0.03	-0.03	0.23	0.03	-1.75	-166.64	-1.89	-166.49	4.87
		332	0.69	0.24	-0.04	-0.03	0.23	0.04	0.28	-182.32	0.13	-182.17	5.23
		282	0.67	0.17	-0.06	-0.05	0.16	0.05	-22.91	-187.48	-23.09	-187.29	5.47
309	50	280	0.59	0.09	-0.03	-0.02	0.09	0.02	-21.71	-165.47	-21.84	-165.35	4.25
		330	0.60	0.12	-0.01	-0.01	0.12	0.01	-1.07	-160.10	-1.14	-160.03	3.40
		332	0.66	0.13	-0.02	-0.02	0.12	0.02	0.72	-175.83	0.64	-175.76	3.73
		282	0.64	0.09	-0.03	-0.02	0.09	0.03	-22.44	-180.81	-22.55	-180.70	4.21
310	4	282	1.42	0.26	-0.71	-0.09	-0.36	0.47	61.17	-339.62	-17.88	-260.57	159.48
		332	0.97	0.16	-0.74	-0.04	-0.55	0.37	2.54	-253.83	-0.87	-250.42	29.38
		333	1.01	0.27	-0.41	-0.02	-0.12	0.34	3.14	-266.13	0.03	-263.01	28.80
		283	1.50	0.32	-0.50	-0.06	-0.12	0.41	66.16	-359.57	-19.75	-273.66	170.86
310	8	282	1.01	0.18	-0.47	-0.06	-0.24	0.31	34.38	-246.26	-14.85	-197.03	106.74
		332	0.73	0.11	-0.49	-0.02	-0.36	0.25	1.64	-191.65	-0.42	-189.59	19.87
		333	0.76	0.18	-0.27	-0.01	-0.07	0.22	2.07	-201.66	0.21	-199.81	19.34
		283	1.07	0.22	-0.33	-0.04	-0.07	0.27	37.29	-261.05	-16.07	-207.70	114.33
310	18	282	0.68	0.18	-0.05	-0.05	0.17	0.03	-23.13	-189.47	-23.33	-189.27	5.82
		332	0.70	0.26	-0.03	-0.03	0.26	0.02	0.08	-183.84	-0.06	-183.70	5.11
		333	0.75	0.27	-0.04	-0.03	0.26	0.04	0.63	-197.41	0.54	-197.33	4.09
		283	0.73	0.18	-0.06	-0.05	0.18	0.05	-22.60	-203.90	-22.79	-203.71	5.94
310	50	282	0.65	0.10	-0.03	-0.02	0.10	0.02	-22.50	-181.96	-22.62	-181.84	4.44
		332	0.67	0.14	-0.01	-0.01	0.14	0.01	0.67	-176.60	0.60	-176.53	3.57
		333	0.72	0.14	-0.02	-0.02	0.14	0.02	1.05	-190.23	1.02	-190.20	2.51
		283	0.70	0.10	-0.03	-0.03	0.10	0.03	-22.15	-196.44	-22.27	-196.32	4.51
311	1	283	1.40	1.99	-0.70	-0.52	1.80	0.69	-51.60	-382.37	-51.70	-382.27	-5.69
		333	1.46	2.82	-0.24	-0.20	2.78	0.35	4.94	-366.81	4.87	-366.74	5.07
		331	1.59	3.05	-0.35	-0.31	3.01	-0.37	3.20	-400.70	3.15	-400.65	-4.45
		281	1.53	2.06	-0.45	-0.42	2.03	-0.27	-49.68	-417.11	-49.68	-417.11	1.04
311	5	283	1.02	1.33	-0.47	-0.34	1.21	0.46	-37.35	-280.62	-37.40	-280.57	-3.47
		333	1.07	1.89	-0.16	-0.14	1.86	0.23	3.62	-269.46	3.57	-269.41	3.70
		331	1.16	2.04	-0.23	-0.21	2.01	-0.24	2.40	-293.95	2.37	-293.91	-3.14
		281	1.12	1.38	-0.30	-0.28	1.36	-0.18	-36.03	-305.69	-36.03	-305.69	0.75
311	18	283	0.75	0.20	-0.05	-0.05	0.20	7.15e-03	-23.14	-208.73	-23.32	-208.55	5.73
		333	0.77	0.28	-0.03	-0.03	0.28	-2.21e-05	1.40	-202.07	1.24	-201.91	5.67
		331	0.82	0.29	-0.04	-0.03	0.29	0.04	0.90	-216.21	0.88	-216.18	2.19
		281	0.80	0.21	-0.06	-0.05	0.20	0.04	-22.99	-222.81	-23.07	-222.73	3.95
311	50	283	0.72	0.11	-0.02	-0.02	0.11	6.51e-03	-22.56	-200.57	-22.65	-200.48	4.05
		333	0.74	0.15	-0.01	-0.01	0.15	1.36e-04	1.93	-194.20	1.85	-194.12	3.99
		331	0.79	0.16	-0.02	-0.02	0.15	0.02	1.46	-208.40	1.46	-208.40	0.39
		281	0.77	0.11	-0.03	-0.03	0.11	0.02	-22.41	-214.69	-22.44	-214.66	2.15

312	1	281	1.53	2.06	-0.45	-0.42	2.03	0.27	-49.68	-417.11	-49.68	-417.11	-1.04
		331	1.59	3.05	-0.35	-0.31	3.01	0.37	3.20	-400.70	3.15	-400.65	4.45
		334	1.46	2.82	-0.24	-0.20	2.78	-0.35	4.94	-366.81	4.87	-366.74	-5.07
		284	1.40	1.99	-0.70	-0.52	1.80	-0.69	-51.60	-382.37	-51.70	-382.27	5.69
312	5	281	1.12	1.38	-0.30	-0.28	1.36	0.18	-36.03	-305.69	-36.03	-305.69	-0.76
		331	1.16	2.04	-0.23	-0.21	2.01	0.24	2.40	-293.95	2.37	-293.91	3.14
		334	1.07	1.89	-0.16	-0.14	1.86	-0.23	3.62	-269.46	3.57	-269.41	-3.70
		284	1.02	1.33	-0.47	-0.34	1.21	-0.46	-37.35	-280.62	-37.40	-280.57	3.46
312	24	281	0.80	0.21	-0.06	-0.05	0.20	-0.04	-22.99	-222.81	-23.07	-222.73	-3.95
		331	0.82	0.29	-0.04	-0.03	0.29	-0.04	0.90	-216.21	0.88	-216.18	-2.19
		334	0.77	0.28	-0.03	-0.03	0.28	2.25e-05	1.40	-202.07	1.24	-201.91	-5.67
		284	0.75	0.20	-0.05	-0.05	0.20	-7.15e-03	-23.14	-208.73	-23.32	-208.55	-5.73
312	56	281	0.77	0.11	-0.03	-0.03	0.11	-0.02	-22.41	-214.69	-22.44	-214.66	-2.15
		331	0.79	0.16	-0.02	-0.02	0.15	-0.02	1.46	-208.40	1.46	-208.40	-0.39
		334	0.74	0.15	-0.01	-0.01	0.15	-1.36e-04	1.93	-194.20	1.85	-194.12	-3.99
		284	0.72	0.11	-0.02	-0.02	0.11	-6.51e-03	-22.56	-200.57	-22.65	-200.48	-4.06
313	3	284	1.50	0.32	-0.50	-0.06	-0.12	-0.41	66.16	-359.58	-19.75	-273.66	-170.87
		334	1.01	0.27	-0.41	-0.02	-0.12	-0.34	3.14	-266.13	0.03	-263.01	-28.80
		335	0.97	0.16	-0.74	-0.04	-0.55	-0.37	2.54	-253.83	-0.87	-250.42	-29.38
		285	1.42	0.26	-0.71	-0.09	-0.36	-0.47	61.17	-339.62	-17.88	-260.57	-159.48
313	5	284	1.00	1.33	-0.27	-0.23	1.29	-0.25	-36.97	-273.59	-36.98	-273.58	1.77
		334	1.03	1.70	-0.32	-0.31	1.69	0.15	1.32	-262.86	1.32	-262.86	-0.49
		335	0.94	1.53	-0.18	-0.17	1.51	-0.17	1.32	-240.14	1.30	-240.12	-2.22
		285	0.90	1.27	-0.48	-0.39	1.19	-0.38	-38.26	-248.67	-38.33	-248.60	3.75
313	24	284	0.73	0.18	-0.06	-0.05	0.18	-0.05	-22.60	-203.90	-22.79	-203.71	-5.94
		334	0.75	0.27	-0.04	-0.03	0.26	-0.04	0.63	-197.41	0.54	-197.33	-4.09
		335	0.70	0.26	-0.03	-0.03	0.26	-0.02	0.08	-183.84	-0.06	-183.70	-5.11
		285	0.68	0.18	-0.05	-0.05	0.17	-0.03	-23.13	-189.47	-23.33	-189.27	-5.82
313	56	284	0.70	0.10	-0.03	-0.03	0.10	-0.03	-22.15	-196.44	-22.26	-196.32	-4.51
		334	0.72	0.14	-0.02	-0.02	0.14	-0.02	1.05	-190.23	1.02	-190.20	-2.51
		335	0.67	0.14	-0.01	-0.01	0.14	-0.01	0.67	-176.60	0.60	-176.53	-3.57
		285	0.65	0.10	-0.03	-0.02	0.10	-0.02	-22.50	-181.96	-22.62	-181.84	-4.44
314	3	285	1.42	0.34	-0.56	-0.03	-0.20	-0.44	60.85	-338.79	-18.07	-259.86	-159.10
		335	0.97	0.16	-0.60	-0.12	-0.31	-0.37	2.42	-253.89	-1.08	-250.38	-29.76
		329	0.90	0.28	-0.97	-0.03	-0.66	-0.54	-1.22	-234.25	-4.42	-231.06	-27.10
		279	1.32	0.11	-0.52	0.02	-0.43	-0.22	58.46	-314.86	-14.86	-241.54	-148.31
314	5	285	0.90	1.25	-0.50	-0.44	1.18	-0.32	-38.39	-248.03	-38.46	-247.96	3.91
		335	0.94	1.50	-0.13	-0.12	1.50	0.08	1.12	-239.94	1.09	-239.91	-2.48
		329	0.84	1.28	-0.53	-0.49	1.25	-0.25	-1.67	-214.04	-1.69	-214.02	-1.97
		279	0.81	1.28	-0.17	-0.08	1.19	-0.35	-37.15	-222.55	-37.27	-222.43	4.74
314	24	285	0.67	0.17	-0.06	-0.05	0.16	-0.05	-22.91	-187.48	-23.09	-187.29	-5.47
		335	0.69	0.24	-0.04	-0.03	0.23	-0.04	0.28	-182.32	0.13	-182.17	-5.23
		329	0.63	0.23	-0.03	-0.03	0.23	-0.03	-1.75	-166.64	-1.89	-166.49	-4.87
		279	0.61	0.16	-0.05	-0.04	0.15	-0.04	-22.42	-172.19	-22.62	-171.99	-5.49
314	56	285	0.64	0.09	-0.03	-0.02	0.09	-0.03	-22.44	-180.81	-22.55	-180.70	-4.21
		335	0.66	0.13	-0.02	-0.02	0.12	-0.02	0.72	-175.83	0.64	-175.76	-3.73
		329	0.60	0.12	-0.01	-0.01	0.12	-0.01	-1.07	-160.10	-1.14	-160.03	-3.40
		279	0.59	0.09	-0.03	-0.02	0.09	-0.02	-21.71	-165.47	-21.84	-165.35	-4.26
315	1	279	1.15	1.43	-0.51	-0.50	1.42	-0.14	-54.64	-318.49	-54.75	-318.38	5.51
		329	1.22	2.50	-0.18	-0.11	2.42	0.44	7.38	-304.82	7.28	-304.72	5.49
		337	0.55	1.14	-0.78	-0.59	0.94	-0.59	-1.76	-140.46	-3.21	-139.02	-14.07
		287	0.50	1.67	-0.89	-0.18	0.96	-1.15	-51.47	-145.24	-51.90	-144.80	-6.39
315	5	279	0.84	0.95	-0.34	-0.33	0.95	-0.09	-39.45	-234.52	-39.50	-234.47	3.09
		329	0.89	1.67	-0.12	-0.07	1.62	0.29	5.38	-224.62	5.32	-224.56	3.75
		337	0.41	0.76	-0.52	-0.39	0.63	-0.39	-1.34	-104.43	-2.37	-103.40	-10.26
		287	0.37	1.11	-0.60	-0.12	0.64	-0.76	-36.91	-108.03	-37.28	-107.66	-5.14

315	24	279	0.62	0.14	-0.07	-0.05	0.11	-0.06	-22.74	-174.79	-23.00	-174.53	-6.31
		329	0.64	0.15	-0.06	-0.04	0.14	-0.05	3.03	-168.39	3.02	-168.37	-1.55
		337	0.33	0.13	-0.04	-0.03	0.13	-0.04	-2.71	-89.38	-3.61	-88.48	-8.80
		287	0.32	0.12	-0.05	-0.03	0.11	-0.05	-20.94	-92.59	-21.96	-91.58	-8.45
315	56	279	0.60	0.08	-0.04	-0.02	0.07	-0.03	-22.54	-170.63	-22.73	-170.44	-5.31
		329	0.62	0.08	-0.03	-0.02	0.08	-0.02	3.28	-164.35	3.27	-164.35	-0.37
		337	0.32	0.07	-0.02	-0.01	0.06	-0.02	-1.94	-85.03	-2.65	-84.31	-7.67
		287	0.30	0.06	-0.02	-0.02	0.06	-0.03	-20.15	-88.19	-20.98	-87.36	-7.50
316	1	287	0.49	0.92	-0.50	-0.49	0.90	-0.15	-52.28	-141.22	-53.36	-140.14	-9.75
		337	0.52	1.13	-0.56	-0.31	0.88	0.60	0.79	-133.16	0.30	-132.67	8.06
		328	0.15	0.53	-0.89	-0.58	0.22	-0.58	3.12	-34.35	-3.81	-27.42	-14.55
		278	0.17	0.88	-0.75	-0.15	0.28	-0.79	-20.22	-46.72	-40.67	-26.27	-11.12
316	5	287	0.36	0.62	-0.34	-0.33	0.60	-0.10	-37.54	-105.18	-38.38	-104.34	-7.50
		337	0.39	0.75	-0.37	-0.21	0.59	0.40	0.58	-99.12	0.25	-98.79	5.71
		328	0.11	0.35	-0.59	-0.39	0.15	-0.39	2.05	-25.60	-2.87	-20.68	-10.57
		278	0.12	0.59	-0.50	-0.10	0.18	-0.53	-15.27	-33.67	-29.11	-19.83	-7.94
316	19	287	0.28	0.09	-0.05	-0.05	0.08	-0.03	-21.92	-83.94	-22.44	-83.42	-5.64
		337	0.30	0.08	-0.05	-0.05	0.08	-0.02	-0.85	-79.89	-1.09	-79.66	4.32
		328	0.08	0.08	-0.04	-0.03	0.08	-0.01	-2.94	-21.74	-4.45	-20.22	-5.11
		278	0.07	0.08	-0.04	-0.03	0.08	-0.02	-15.41	-20.46	-16.82	-19.05	-2.27
316	51	287	0.28	0.05	-0.03	-0.02	0.04	-0.02	-21.02	-83.31	-21.73	-82.60	-6.62
		337	0.30	0.04	-0.02	-0.02	0.04	-7.71e-03	-0.17	-78.71	-0.32	-78.56	3.41
		328	0.08	0.04	-0.02	-0.02	0.04	-6.98e-03	-1.49	-21.03	-3.44	-19.08	-5.86
		278	0.07	0.04	-0.02	-0.01	0.04	-0.01	-13.69	-20.36	-15.87	-18.18	-3.13
317	3	341	0.17	0.23	-0.86	-0.14	-0.48	0.52	-7.68	-47.05	-8.58	-46.16	-5.87
		289	0.39	0.28	-0.22	0.27	-0.20	-0.09	22.19	-90.41	-33.13	-35.09	56.29
		299	0.17	0.59	-0.45	0.27	-0.13	-0.48	-5.54	-45.42	-44.49	-6.47	-6.01
		338	0.14	0.39	-0.70	0.34	-0.65	0.23	4.76	-32.34	-13.41	-14.17	18.55
317	7	341	0.13	0.16	-0.57	-0.10	-0.32	0.35	-5.64	-34.76	-6.34	-34.06	-4.47
		289	0.29	0.19	-0.14	0.18	-0.13	-0.06	16.16	-67.42	-25.42	-25.85	41.79
		299	0.13	0.39	-0.30	0.18	-0.09	-0.32	-4.15	-34.46	-33.80	-4.82	-4.43
		338	0.11	0.26	-0.46	0.23	-0.43	0.15	3.57	-24.15	-9.92	-10.66	13.86
317	32	341	0.09	0.01	-0.04	0.01	-0.04	3.99e-03	-3.96	-26.09	-4.56	-25.49	-3.59
		289	0.23	0.02	-0.02	0.02	-0.02	6.63e-04	10.54	-54.43	-24.85	-19.04	32.36
		299	0.11	3.29e-03	-0.03	1.85e-03	-0.03	6.48e-03	-4.27	-31.65	-31.38	-4.55	-2.73
		338	0.09	1.62e-03	-0.05	-1.51e-03	-0.05	0.01	3.05	-20.78	-7.72	-10.01	11.86
317	63	341	0.09	5.00e-03	-0.02	4.87e-03	-0.02	1.76e-03	-3.89	-25.78	-4.61	-25.06	-3.90
		289	0.23	9.13e-03	-8.10e-03	9.04e-03	-8.02e-03	1.21e-03	10.49	-54.11	-24.92	-18.70	32.15
		299	0.11	1.95e-04	-0.01	-4.60e-04	-0.01	2.79e-03	-3.83	-31.52	-31.20	-4.15	-2.97
		338	0.08	-1.40e-04	-0.02	-1.70e-03	-0.02	5.67e-03	3.04	-20.09	-7.52	-9.53	11.52
318	4	339	0.14	0.39	-0.70	0.34	-0.65	-0.23	4.76	-32.34	-13.41	-14.17	-18.55
		312	0.17	0.59	-0.45	0.27	-0.13	0.48	-5.54	-45.42	-44.49	-6.47	6.01
		288	0.39	0.28	-0.22	0.27	-0.20	0.09	22.19	-90.41	-33.13	-35.09	-56.29
		340	0.17	0.23	-0.86	-0.14	-0.48	-0.52	-7.68	-47.05	-8.58	-46.16	5.87
318	8	339	0.11	0.26	-0.46	0.23	-0.43	-0.15	3.57	-24.15	-9.92	-10.66	-13.86
		312	0.13	0.39	-0.30	0.18	-0.09	0.32	-4.15	-34.46	-33.80	-4.82	4.43
		288	0.29	0.19	-0.14	0.18	-0.13	0.06	16.16	-67.42	-25.42	-25.85	-41.79
		340	0.13	0.16	-0.57	-0.10	-0.32	-0.35	-5.64	-34.76	-6.34	-34.06	4.47
318	26	339	0.09	1.62e-03	-0.05	-1.51e-03	-0.05	-0.01	3.05	-20.78	-7.72	-10.01	-11.86
		312	0.11	3.29e-03	-0.03	1.85e-03	-0.03	-6.48e-03	-4.27	-31.65	-31.38	-4.55	2.73
		288	0.23	0.02	-0.02	0.02	-0.02	-6.63e-04	10.54	-54.43	-24.85	-19.04	-32.36
		340	0.09	0.01	-0.04	0.01	-0.04	-3.99e-03	-3.96	-26.09	-4.56	-25.49	3.59
318	57	339	0.08	-1.40e-04	-0.02	-1.70e-03	-0.02	-5.67e-03	3.04	-20.09	-7.52	-9.53	-11.52
		312	0.11	1.95e-04	-0.01	-4.60e-04	-0.01	-2.79e-03	-3.83	-31.52	-31.20	-4.15	2.97
		288	0.23	9.13e-03	-8.10e-03	9.04e-03	-8.02e-03	-1.21e-03	10.49	-54.11	-24.92	-18.70	-32.15
		340	0.09	5.00e-03	-0.02	4.87e-03	-0.02	-1.76e-03	-3.89	-25.78	-4.61	-25.06	3.90

319	4	340	0.25	-1.82e-03	-1.49	-0.05	-1.44	-0.25	2.71	-55.97	-8.34	-44.91	-22.94
		288	0.32	0.08	-0.62	0.08	-0.62	3.36e-03	4.59	-82.14	-36.63	-40.93	-43.31
		297	0.76	0.40	-0.67	0.15	-0.41	-0.46	-12.23	-202.39	-37.50	-177.13	-64.54
		349	0.65	0.19	-0.63	0.07	-0.52	-0.28	2.31	-167.48	2.23	-167.40	-3.74
319	8	340	0.18	-1.27e-03	-0.99	-0.03	-0.96	-0.17	2.15	-41.31	-6.15	-33.02	-17.08
		288	0.24	0.05	-0.42	0.05	-0.42	1.96e-03	3.13	-61.23	-28.03	-30.07	-32.16
		297	0.55	0.27	-0.45	0.10	-0.27	-0.31	-11.07	-149.25	-29.13	-131.19	-46.58
		349	0.48	0.12	-0.42	0.05	-0.35	-0.19	1.83	-124.07	1.78	-124.02	-2.46
319	26	340	0.14	0.02	-0.10	3.98e-03	-0.08	-0.04	2.64	-34.92	-4.95	-27.32	-15.09
		288	0.20	0.04	-0.07	0.01	-0.04	-0.04	-0.49	-52.65	-27.74	-25.41	-26.05
		297	0.39	0.02	-0.05	4.73e-03	-0.04	-0.03	-20.78	-112.26	-30.47	-102.57	-28.16
		349	0.37	-2.99e-05	-0.08	-4.11e-03	-0.08	-0.02	2.83	-97.25	2.81	-97.23	-1.58
319	58	340	0.13	8.33e-03	-0.05	1.76e-03	-0.04	-0.02	2.62	-32.38	-4.65	-25.11	-14.20
		288	0.19	0.02	-0.03	7.42e-03	-0.02	-0.02	0.18	-50.68	-27.41	-23.08	-25.34
		297	0.38	0.01	-0.02	3.01e-03	-0.01	-0.02	-21.28	-109.85	-30.76	-100.37	-27.38
		349	0.36	3.46e-05	-0.04	-2.10e-03	-0.04	-8.81e-03	2.50	-95.14	2.50	-95.14	-0.63
320	2	349	0.66	0.88	-0.33	-0.27	0.82	-0.26	0.10	-171.26	-1.75	-169.41	-17.72
		297	0.62	1.25	-0.51	-0.03	0.77	-0.78	-50.20	-183.64	-57.46	-176.38	-30.26
		290	1.29	1.40	-0.32	-0.25	1.32	-0.35	-58.18	-359.26	-58.38	-359.06	-7.64
		342	1.36	2.02	-0.05	-0.04	2.00	0.17	7.62	-346.40	7.60	-346.39	2.48
320	6	349	0.49	0.59	-0.22	-0.18	0.55	-0.17	0.09	-126.95	-1.31	-125.55	-13.26
		297	0.46	0.83	-0.34	-0.02	0.51	-0.52	-36.43	-136.70	-42.29	-130.84	-23.54
		290	0.95	0.93	-0.21	-0.16	0.88	-0.23	-42.81	-264.68	-43.03	-264.46	-7.03
		342	1.00	1.35	-0.03	-0.03	1.34	0.12	5.64	-255.16	5.63	-255.15	1.59
320	9	349	0.40	0.12	-0.01	-3.83e-03	0.11	-0.03	-1.60	-107.36	-2.84	-106.12	-11.38
		297	0.41	0.11	-0.02	-6.64e-03	0.09	-0.04	-24.28	-118.42	-31.72	-110.98	-25.40
		290	0.71	0.12	-0.05	-0.03	0.10	-0.06	-29.76	-200.69	-31.05	-199.41	-14.75
		342	0.73	0.13	-0.03	-0.02	0.12	-0.04	4.02	-192.96	4.02	-192.95	-1.09
320	41	349	0.38	0.06	-5.06e-03	-1.96e-03	0.06	-0.01	-0.67	-101.38	-1.90	-100.14	-11.08
		297	0.39	0.06	-0.01	-2.52e-03	0.05	-0.02	-22.97	-112.79	-30.78	-104.98	-25.31
		290	0.68	0.07	-0.03	-0.01	0.06	-0.03	-29.63	-194.87	-30.93	-193.57	-14.63
		342	0.71	0.07	-0.02	-0.01	0.07	-0.02	4.13	-187.15	4.13	-187.14	-0.77
321	2	342	1.29	1.78	-0.34	-0.32	1.77	-0.17	-0.46	-331.92	-0.54	-331.85	-4.98
		290	1.24	1.63	-0.22	-0.06	1.47	-0.51	-56.87	-345.77	-57.00	-345.64	-5.98
		294	1.38	1.64	-0.44	-0.34	1.54	-0.45	-57.77	-382.14	-57.84	-382.08	-4.55
		346	1.45	2.07	-0.06	-0.06	2.07	0.03	2.86	-370.80	2.78	-370.72	-5.52
321	6	342	0.95	1.19	-0.22	-0.21	1.18	-0.11	-0.25	-244.42	-0.31	-244.36	-3.85
		290	0.91	1.09	-0.14	-0.04	0.99	-0.34	-41.93	-254.78	-42.09	-254.62	-5.76
		294	1.01	1.10	-0.29	-0.22	1.03	-0.30	-42.63	-281.13	-42.72	-281.04	-4.57
		346	1.06	1.38	-0.04	-0.04	1.38	0.02	2.17	-272.77	2.10	-272.71	-4.25
321	9	342	0.72	0.20	-9.31e-03	-6.82e-03	0.20	-0.02	-0.69	-189.70	-0.82	-189.57	-4.99
		290	0.70	0.15	-0.03	-0.02	0.14	-0.04	-30.79	-199.06	-31.93	-197.91	-13.81
		294	0.76	0.15	-0.04	-0.03	0.14	-0.05	-31.20	-214.61	-32.01	-213.81	-12.11
		346	0.79	0.21	-0.02	-0.01	0.20	-0.03	1.30	-207.90	1.17	-207.76	-5.33
321	41	342	0.68	0.11	-4.42e-03	-3.29e-03	0.11	-0.01	-0.10	-181.34	-0.21	-181.23	-4.46
		290	0.67	0.08	-0.02	-9.91e-03	0.08	-0.02	-30.13	-190.55	-31.28	-189.40	-13.53
		294	0.72	0.09	-0.02	-0.01	0.08	-0.03	-30.81	-206.14	-31.61	-205.34	-11.80
		346	0.75	0.11	-8.36e-03	-6.19e-03	0.11	-0.02	1.64	-199.59	1.53	-199.47	-4.77
322	2	346	1.45	2.08	-0.10	-0.09	2.07	-0.11	3.09	-371.03	3.02	-370.96	-4.86
		294	1.38	1.67	-0.42	-0.29	1.54	-0.49	-57.54	-382.98	-57.62	-382.91	-4.90
		295	1.52	1.74	-0.27	-0.21	1.68	-0.35	-55.79	-419.45	-55.84	-419.40	-4.33
		347	1.58	2.31	-0.19	-0.18	2.31	0.08	3.58	-403.34	3.57	-403.33	-2.21
322	6	346	1.06	1.39	-0.07	-0.06	1.38	-0.08	2.33	-272.93	2.28	-272.88	-3.75
		294	1.01	1.11	-0.28	-0.20	1.03	-0.33	-42.46	-281.75	-42.56	-281.65	-4.83
		295	1.12	1.17	-0.18	-0.14	1.12	-0.23	-41.28	-308.18	-41.34	-308.11	-4.15
		347	1.16	1.55	-0.12	-0.12	1.54	0.06	2.73	-296.36	2.72	-296.35	-1.77

322	9	346	0.79	0.23	-9.62e-03	-8.27e-03	0.23	-0.02	1.12	-209.34	1.01	-209.23	-4.94
		294	0.76	0.16	-0.03	-0.02	0.16	-0.03	-31.36	-216.62	-32.21	-215.77	-12.53
		295	0.82	0.17	-0.04	-0.03	0.16	-0.04	-31.05	-232.26	-31.59	-231.73	-10.37
		347	0.85	0.23	-0.02	-0.01	0.23	-0.03	2.00	-223.38	1.95	-223.33	-3.44
322	41	346	0.76	0.12	-4.46e-03	-3.84e-03	0.12	-8.85e-03	1.62	-200.30	1.52	-200.21	-4.37
		294	0.73	0.09	-0.02	-0.01	0.09	-0.02	-30.81	-207.32	-31.65	-206.49	-12.12
		295	0.79	0.09	-0.02	-0.02	0.09	-0.02	-30.70	-223.00	-31.21	-222.49	-9.91
		347	0.81	0.13	-8.34e-03	-6.62e-03	0.13	-0.02	2.31	-214.38	2.27	-214.35	-2.82
323	2	347	1.62	2.45	-0.08	-0.07	2.44	-0.16	5.70	-412.50	5.61	-412.42	-5.91
		295	1.55	1.76	-0.40	-0.28	1.64	-0.49	-55.50	-427.26	-55.52	-427.24	-2.47
		293	1.69	1.82	-0.27	-0.26	1.82	0.11	-53.76	-463.59	-53.76	-463.59	-0.56
		345	1.75	2.68	-0.13	-0.12	2.67	0.15	4.38	-446.87	4.34	-446.84	3.89
323	6	347	1.19	1.64	-0.05	-0.05	1.63	-0.10	4.24	-303.01	4.17	-302.94	-4.45
		295	1.14	1.17	-0.27	-0.19	1.10	-0.32	-41.05	-313.74	-41.08	-313.71	-2.83
		293	1.24	1.22	-0.18	-0.17	1.22	0.07	-39.88	-339.97	-39.88	-339.97	-0.41
		345	1.28	1.79	-0.08	-0.08	1.78	0.10	3.30	-327.85	3.28	-327.83	2.82
323	9	347	0.87	0.25	-9.91e-03	-9.90e-03	0.25	4.95e-04	2.51	-228.45	2.40	-228.33	-5.20
		295	0.84	0.18	-0.03	-0.03	0.18	-6.97e-03	-30.94	-236.07	-31.45	-235.56	-10.21
		293	0.89	0.18	-0.04	-0.03	0.18	-0.03	-31.25	-250.77	-31.26	-250.75	-1.92
		345	0.92	0.26	-0.02	-0.01	0.25	-0.03	2.05	-242.88	2.05	-242.88	0.07
323	41	347	0.83	0.14	-4.58e-03	-4.58e-03	0.14	9.58e-05	2.92	-218.93	2.83	-218.83	-4.49
		295	0.80	0.10	-0.01	-0.01	0.10	-6.43e-03	-30.50	-226.23	-30.96	-225.77	-9.51
		293	0.85	0.10	-0.02	-0.02	0.10	-0.02	-30.78	-240.96	-30.79	-240.96	-1.08
		345	0.88	0.14	-8.55e-03	-7.00e-03	0.14	-0.02	2.47	-233.38	2.47	-233.38	0.91
324	2	345	1.75	2.68	-0.13	-0.12	2.67	-0.15	4.38	-446.87	4.34	-446.84	-3.89
		293	1.69	1.82	-0.27	-0.26	1.82	-0.11	-53.76	-463.59	-53.76	-463.59	0.56
		296	1.55	1.76	-0.40	-0.28	1.64	0.49	-55.50	-427.26	-55.52	-427.24	2.47
		348	1.62	2.45	-0.08	-0.07	2.44	0.16	5.70	-412.50	5.61	-412.42	5.91
324	6	345	1.28	1.79	-0.08	-0.08	1.78	-0.10	3.30	-327.85	3.28	-327.83	-2.82
		293	1.24	1.22	-0.18	-0.17	1.22	-0.07	-39.88	-339.97	-39.88	-339.97	0.41
		296	1.14	1.17	-0.27	-0.19	1.10	0.32	-41.05	-313.74	-41.08	-313.71	2.83
		348	1.19	1.64	-0.05	-0.05	1.63	0.10	4.24	-303.01	4.17	-302.94	4.45
324	15	345	0.92	0.26	-0.02	-0.01	0.25	0.03	2.05	-242.88	2.05	-242.88	-0.07
		293	0.89	0.18	-0.04	-0.03	0.18	0.03	-31.25	-250.77	-31.26	-250.75	1.91
		296	0.84	0.18	-0.03	-0.03	0.18	6.97e-03	-30.94	-236.07	-31.45	-235.56	10.21
		348	0.87	0.25	-9.91e-03	-9.91e-03	0.25	-4.95e-04	2.51	-228.45	2.40	-228.33	5.20
324	47	345	0.88	0.14	-8.55e-03	-7.00e-03	0.14	0.02	2.47	-233.38	2.47	-233.38	-0.91
		293	0.85	0.10	-0.02	-0.02	0.10	0.02	-30.78	-240.96	-30.79	-240.96	1.08
		296	0.80	0.10	-0.01	-0.01	0.10	6.43e-03	-30.50	-226.23	-30.96	-225.77	9.51
		348	0.83	0.14	-4.58e-03	-4.58e-03	0.14	-9.61e-05	2.92	-218.93	2.83	-218.83	4.49
325	2	348	1.58	2.31	-0.19	-0.18	2.31	-0.08	3.58	-403.34	3.57	-403.33	2.21
		296	1.52	1.74	-0.27	-0.21	1.68	0.35	-55.79	-419.45	-55.84	-419.40	4.33
		291	1.38	1.67	-0.42	-0.29	1.54	0.49	-57.54	-382.98	-57.62	-382.91	4.90
		343	1.45	2.08	-0.10	-0.09	2.07	0.11	3.09	-371.03	3.02	-370.96	4.86
325	6	348	1.16	1.55	-0.12	-0.12	1.54	-0.06	2.73	-296.36	2.72	-296.35	1.77
		296	1.12	1.17	-0.18	-0.14	1.12	0.23	-41.28	-308.18	-41.34	-308.11	4.15
		291	1.01	1.11	-0.28	-0.20	1.03	0.33	-42.46	-281.75	-42.56	-281.65	4.83
		343	1.06	1.39	-0.07	-0.06	1.38	0.08	2.33	-272.93	2.28	-272.88	3.75
325	15	348	0.85	0.23	-0.02	-0.01	0.23	0.03	2.00	-223.38	1.95	-223.33	3.44
		296	0.82	0.17	-0.04	-0.03	0.16	0.04	-31.05	-232.26	-31.59	-231.73	10.36
		291	0.76	0.16	-0.03	-0.02	0.16	0.03	-31.36	-216.62	-32.21	-215.77	12.53
		343	0.79	0.23	-9.62e-03	-8.27e-03	0.23	0.02	1.12	-209.34	1.01	-209.23	4.94
325	47	348	0.81	0.13	-8.34e-03	-6.62e-03	0.13	0.02	2.31	-214.38	2.27	-214.35	2.82
		296	0.79	0.09	-0.02	-0.02	0.09	0.02	-30.70	-223.00	-31.21	-222.49	9.90
		291	0.73	0.09	-0.02	-0.01	0.09	0.02	-30.81	-207.32	-31.65	-206.49	12.12
		343	0.76	0.12	-4.46e-03	-3.84e-03	0.12	8.85e-03	1.62	-200.30	1.52	-200.21	4.37

326	2	343	1.45	2.07	-0.06	-0.06	2.07	-0.03	2.86	-370.80	2.78	-370.72	5.52
		291	1.38	1.64	-0.44	-0.34	1.54	0.45	-57.77	-382.14	-57.84	-382.08	4.55
		292	1.24	1.63	-0.22	-0.06	1.47	0.51	-56.88	-345.77	-57.00	-345.64	5.98
		344	1.29	1.78	-0.34	-0.32	1.77	0.17	-0.46	-331.92	-0.54	-331.85	4.98
326	6	343	1.06	1.38	-0.04	-0.04	1.38	-0.02	2.17	-272.77	2.10	-272.71	4.25
		291	1.01	1.10	-0.29	-0.22	1.03	0.30	-42.63	-281.13	-42.72	-281.04	4.57
		292	0.91	1.09	-0.14	-0.04	0.99	0.34	-41.93	-254.78	-42.09	-254.62	5.75
		344	0.95	1.19	-0.22	-0.21	1.18	0.11	-0.25	-244.42	-0.31	-244.36	3.85
326	15	343	0.79	0.21	-0.02	-0.01	0.20	0.03	1.30	-207.90	1.17	-207.76	5.33
		291	0.76	0.15	-0.04	-0.03	0.14	0.05	-31.20	-214.61	-32.01	-213.81	12.11
		292	0.70	0.15	-0.03	-0.02	0.14	0.04	-30.79	-199.06	-31.93	-197.91	13.81
		344	0.72	0.20	-9.31e-03	-6.82e-03	0.20	0.02	-0.69	-189.70	-0.82	-189.57	4.99
326	47	343	0.75	0.11	-8.36e-03	-6.19e-03	0.11	0.02	1.64	-199.59	1.53	-199.47	4.77
		291	0.72	0.09	-0.02	-0.01	0.08	0.03	-30.81	-206.14	-31.61	-205.34	11.80
		292	0.67	0.08	-0.02	-9.91e-03	0.08	0.02	-30.13	-190.55	-31.28	-189.40	13.53
		344	0.68	0.11	-4.42e-03	-3.29e-03	0.11	0.01	-0.10	-181.34	-0.21	-181.23	4.46
327	2	344	1.36	2.02	-0.05	-0.04	2.00	-0.17	7.62	-346.40	7.60	-346.39	-2.48
		292	1.29	1.40	-0.32	-0.25	1.32	0.35	-58.18	-359.26	-58.38	-359.06	7.64
		298	0.62	1.25	-0.51	-0.03	0.77	0.78	-50.21	-183.64	-57.46	-176.38	30.26
		350	0.66	0.88	-0.33	-0.27	0.82	0.26	0.10	-171.26	-1.75	-169.41	17.72
327	6	344	1.00	1.35	-0.03	-0.03	1.34	-0.12	5.64	-255.16	5.63	-255.15	-1.59
		292	0.95	0.93	-0.21	-0.16	0.88	0.23	-42.81	-264.68	-43.03	-264.46	7.03
		298	0.46	0.83	-0.34	-0.02	0.51	0.52	-36.43	-136.70	-42.29	-130.84	23.53
		350	0.49	0.59	-0.22	-0.18	0.55	0.17	0.09	-126.95	-1.31	-125.55	13.26
327	15	344	0.73	0.13	-0.03	-0.02	0.12	0.04	4.02	-192.96	4.02	-192.95	1.09
		292	0.71	0.12	-0.05	-0.03	0.10	0.06	-29.76	-200.69	-31.05	-199.41	14.75
		298	0.41	0.11	-0.02	-6.64e-03	0.09	0.04	-24.28	-118.42	-31.72	-110.98	25.40
		350	0.40	0.12	-0.01	-3.83e-03	0.11	0.03	-1.60	-107.36	-2.84	-106.12	11.38
327	47	344	0.71	0.07	-0.02	-0.01	0.07	0.02	4.13	-187.15	4.13	-187.15	0.77
		292	0.68	0.07	-0.03	-0.01	0.06	0.03	-29.63	-194.87	-30.93	-193.57	14.63
		298	0.39	0.06	-0.01	-2.52e-03	0.05	0.02	-22.97	-112.79	-30.78	-104.98	25.30
		350	0.38	0.06	-5.06e-03	-1.96e-03	0.06	0.01	-0.67	-101.38	-1.90	-100.14	11.08
328	3	350	0.65	0.19	-0.63	0.07	-0.52	0.28	2.31	-167.48	2.23	-167.40	3.74
		298	0.76	0.40	-0.67	0.15	-0.41	0.46	-12.23	-202.39	-37.50	-177.13	64.54
		289	0.32	0.08	-0.62	0.08	-0.62	-3.36e-03	4.59	-82.14	-36.63	-40.93	43.31
		341	0.25	-1.82e-03	-1.49	-0.05	-1.44	0.25	2.71	-55.97	-8.34	-44.91	22.94
328	7	350	0.48	0.12	-0.42	0.05	-0.35	0.19	1.83	-124.07	1.78	-124.02	2.46
		298	0.55	0.27	-0.45	0.10	-0.27	0.31	-11.07	-149.25	-29.13	-131.19	46.58
		289	0.24	0.05	-0.42	0.05	-0.42	-1.96e-03	3.13	-61.23	-28.03	-30.07	32.16
		341	0.18	-1.27e-03	-0.99	-0.03	-0.96	0.17	2.15	-41.31	-6.15	-33.02	17.08
328	32	350	0.37	-3.00e-05	-0.08	-4.11e-03	-0.08	0.02	2.83	-97.25	2.81	-97.23	1.58
		298	0.39	0.02	-0.05	4.73e-03	-0.04	0.03	-20.78	-112.26	-30.47	-102.57	28.16
		289	0.20	0.04	-0.07	0.01	-0.04	0.04	-0.50	-52.65	-27.74	-25.41	26.05
		341	0.14	0.02	-0.10	3.98e-03	-0.08	0.04	2.64	-34.92	-4.95	-27.32	15.09
328	64	350	0.36	3.45e-05	-0.04	-2.10e-03	-0.04	8.81e-03	2.50	-95.14	2.50	-95.14	0.63
		298	0.38	0.01	-0.02	3.01e-03	-0.01	0.02	-21.28	-109.85	-30.76	-100.37	27.38
		289	0.19	0.02	-0.03	7.42e-03	-0.02	0.02	0.18	-50.68	-27.41	-23.08	25.34
		341	0.13	8.33e-03	-0.05	1.76e-03	-0.04	0.02	2.62	-32.38	-4.65	-25.11	14.20

Elem.	**Von Mises**	**N max**	**N min**	**N 1**	**N 2**	**N 1-2**	**M max**	**M min**	**M 1**	**M 2**	**M 1-2**
			-138.86	-20.62	-80.34	-84.02		-1484.79	-1479.15	-1300.70	-253.40
	184.67	65.42		15.03	15.12	82.82	67.03		25.17	25.63	235.87

VERIFICHE ELEMENTI PARETE E/O GUSCIO IN C.A.

LEGENDA TABELLA VERIFICHE ELEMENTI PARETE E GUSCIO IN C.A.

Per le pareti in c.a., in ottemperanza al cap. 7 del DM 17-01-18, viene effettuata una doppia progettazione: sia come *Singolo Elemento* sia come *Parete Sismica* o *Parete Debolmente Armata.*

Per la progettazione come *Singolo Elemento* di ogni elemento vengono riportati il codice dello stato di verifica con le sigle **Ok e NV,** il rapporto x/d, la verifica per sollecitazioni ultime (verifica a compressione media gli sforzi membranali, verifica a presso-flessionale e verifica a sollecitazioni taglianti), gli sforzi membranali e flessionali, il quantitativo di armatura nella direzione principale e secondaria sia inferiore che superiore e il quantitativo di armatura a taglio.

Per la progettazione come *Parete Sismica* o *Parete Debolmente Armata* vengono riportate invece le caratteristiche geometriche della parete e delle zone dissipative (quest'ultime solo nel caso di parete sismica), i coefficienti di verifica a compressione assiale, pressoflessione e sollecitazioni taglianti.

Inoltre vengono riportate per ogni quota significativa l'armatura principale e secondaria, l'armatura in zona confinata (solo per parete sismica) e non confinata, l'armatura concentrata all'estremità (per pareti debolmente armate), lo sforzo assiale aggiuntivo per q superiore a 2 e i valori di inviluppo di taglio e momento. Per le pareti debolmente armate viene riportato anche lo stato di verifica relativo alla snellezza.

Le azioni derivate dall'analisi, in ogni combinazione di calcolo, sono elaborate come previsto al punto 7.4.4.5.1: traslazione del momento, incremento e variazione diagramma taglio, incremento e decremento sforzo assiale

La progettazione nel caso dei gusci viene effettuata una progettazione come *Singolo Elemento,* riportando in tabella il rapporto x/d, la verifica per sollecitazioni ultime, (verifica a compressione media gli sforzi membranali, verifica a presso-flessionale e verifica a sollecitazioni taglianti) di ogni elemento.

Per ogni elemento, viene riportata inoltre la maglia di armatura necessaria in relazione alle risultanze della progettazione dei nodi dell'elemento stesso. Le quantità di armature necessarie sono armature (disposte rispettivamente in direzione principale e secondaria, inferiore e superiore) distribuite nell'elemento ed espresse in centimetri quadri per sviluppo lineare pari ad un metro.

Nel caso dei gusci viene effettuata, inoltre, la verifica a punzonamento, riportando in tabella il codice dello stato di verifica, il coefficiente di verifica per piastre prive di armature a taglio lungo il perimetro resistente e lungo il perimetro del pilastro, coefficiente di incremento dovuto ai momenti flettenti, fattore di amplificazione per le fondazioni, il fattorei di amplificazione dell'altezza utile per individuare il perimetro di verifica lungo il quale l'armatura a taglio non è richiesta, il quantitativo di armatura a punzonamento, il numero di serie di armature, il numero di braccia di armatura ed il riferimento alla combinazione più gravosa.

Simbologia adottata nelle tabelle di verifica

Per gli elementi con progettazione di tipo "*Singolo Elemento …*" è presente una tabella con i simboli di seguito descritti:

Macro Guscio	Numero del macroelemento di tipo guscio (elementi non verticali contigui ed analoghi per proprietà)
Macro Setto	Numero del macroelemento di tipo setto (elementi verticali contigui ed analoghi per proprietà)
Spessore	Spessore della parete
Id Materiale	Codice del materiale assegnato all'elemento
Id Criterio	Codice del criterio di progetto assegnato all'elemento
Progettazione	Sigla tipo di Elemento: - Singolo Elemento; - Singolo Elemento FONDAZIONE; - Singolo Elemento NON DISSIPATIVO

Per gli elementi con progettazione di tipo "*Parete Sismica" e "Parete Debolmente Armata*" è presente una tabella con i simboli di seguito descritti:

Parete	Numero della PARETE SISMICA
Parete PDA	Numero della PARETE DEBOLMENTE ARMATA
H totale	Altezza complessiva della parete
Spessore	Spessore della parete
H critica	Altezza come da punto 7.4.4.5.1 per traslazione momento (solo in Parete Sismica)
H critica V	Altezza della zona dissipativa (solo in Parete Sismica)
L totale	Larghezza di base della parete
L confinata	Lunghezza della zona dissipativa (solo in Parete Sismica)
Verif. N	Verifica di cui al punto 7.4.4.5.1 compressione semplice
Verif. N-M	Verifica di cui al punto 7.4.4.5.1 pressoflessione
Fattore V	Fattore di amplificazione del taglio di cui al punto 7.4.4.5.1
Diagramma V	Diagramma elaborato per effetto modi superiori come da fig. 7.4.4
Verif. V	Verifica di cui al punto 7.4.4.5.1 taglio (compressione cls, trazione acciaio, scorrimento in zona critica) (solo in Parete Sismica)
Verifica Snellezza	Verifica di cui al punto 7.4.4.5.1 limitazione compressione per prevenire l'instabilità (solo in Parete Debolmente Armata)
Prog. composta	Sigla per la progettazione composta

Sia per le verifiche degli elementi con progettazione di tipo "*Singolo Elemento …*" e "*Parete …*" è presente una tabella con i simboli di seguito descritti:

Nodo	numero del nodo
Stato	codice di verifica dell'elemento **ok** o **NV**
x/d	rapporto tra posizione dell'asse neutro e altezza utile alla rottura della sezione (per sola flessione)
V N/M	Verifica delle sollecitazioni Normali (momento e sforzo normale)
Ver. rid	Rapporto Nd/Nu (Nu ottenuto con riduzione del 25% di fcd)
Af pr+	quantità di armatura richiesta in direzione principale relativa alla faccia positiva (estradosso piastre) (valore derivante da calcolo o minimo normativo)
Af pr-	quantità di armatura richiesta in direzione principale relativa alla faccia negativa (intradosso piastre) (valore derivante da calcolo o minimo normativo)
Af sec+	quantità di armatura richiesta in direzione secondaria relativa alla faccia positiva (estradosso piastre) (valore derivante da calcolo o minimo normativo)

Af sec-	quantità di armatura richiesta in direzione secondaria relativa alla faccia negativa (intradosso piastre) (valore derivante da calcolo o minimo normativo)
Nz No Nzo	Sforzi membranali per pareti e\o setti verticali
Mz Mo Mzo	Sforzi flessionali per pareti e\o setti verticali
Nx Ny Nxy	Sforzi membranali per gusci orizzontali
Mx Mx Mxy	Sforzi flessionali per gusci orizzontali

Nodo	numero del nodo
Stato	codice di verifica dell'elemento **ok** o **NV**
Max tau	Tensione tangenziale Massima
Ver V pr	Verifica a taglio nella direzione principale lato calcestruzzo
Ver V sec	Verifica a taglio nella direzione secondaria lato calcestruzzo
Af V pr	Armatura nella direzione principale
V pr-	Verifica dell'armatura nella direzione principale
Af V sec	Armatura nella direzione secondaria
V sec-	Verifica dell'armatura nella direzione secondaria

Per le verifiche degli elementi con progettazione "*Parete Sismica o Parete Debolmente Armata*", oltre alla tabella con le verifiche per gli elementi con progettazione "*Singolo Elemento …*", è presente una tabella con i simboli di seguito descritti:

Quota	Ascissa verticale di riferimento
Af conf.	Numero e diametro armatura presente in una zona confinata
Af std	Diametro e passo armatura in zona non confinata (doppia maglia)
Af estremi	Diametro dei ferri di estremità del pannello; se posto uguale 0, viene utilizzato il diametro standard
Af V (ori)	Diametro e passo armatura orizzontale (doppia maglia)
Ver. N	Rapporto tra azione di calcolo e resistenza a compressione (normalizzato a 1 in quanto da confrontare con 40% in CDB e 35 % in CDA)
Ver. N/M	Rapporto tra azione di calcolo e resistenza a pressoflessione
Ver. V acc(7)	Rapporto tra azione di calcolo e resistenza a taglio-trazione per alfaS minore di 2 secondo paragrafo 7.4.4.5.1
Ver. V cls	Rapporto tra azione di calcolo e resistenza a taglio-compressione
Ver. V acc	Rapporto tra azione di calcolo e resistenza a taglio-trazione
Ver. V scorr.	Rapporto tra azione di calcolo e resistenza a taglio scorrimento
N add	Sforzo assiale di cui al punto 7.4.4.5.1 da sommare e sottrarre nelle verifiche quando q supera 2
N invil M invil	Inviluppo del Momento e Sforzo Normale come al punto 7.4.4.5.1 (informativo) (solo in Parete Sismica)

Quota	Ascissa verticale di riferimento
N v.N	Valore dello sforzo assiale per cui Ver. N attinge il massimo valore
N v.M/N, M v.M/N	Valore dello sforzo assiale e momento per cui Ver. N/M attinge il massimo valore

N v.M/N, M v.M/N Mo v.M/N	Valore dello sforzo assiale e dei momenti per cui Ver. N/M attinge il massimo valore (per le pareti estese debolmente armate)
N v.Vcls, V v.Vcls,	Valore dello sforzo assiale e taglio per cui Ver. V. cls attinge il massimo valore
N v.Vacc, M v.Vacc, V v.Vacc,	Valore dello sforzo assiale, momento e taglio per cui Ver. V. acc attinge il massimo valore
N v.Vscorr, M v.Vscorr, V v.Vscorr,	Valore dello sforzo assiale, momento e taglio per cui Ver. V. scorr.e
N v.N	Valore dello sforzo assiale per cui Ver. N attinge il massimo valore
N v.M/N, M v.M/N	Valore dello sforzo assiale e momento per cui Ver. N/M attinge il massimo valore
N v.M/N, M v.M/N Mo v.M/N	Valore dello sforzo assiale e dei momenti per cui Ver. N/M attinge il massimo valore (per le pareti estese debolmente armate)
N v.Vcls, V v.Vcls,	Valore dello sforzo assiale e taglio per cui Ver. V. cls attinge il massimo valore

Quota	Ascissa verticale di riferimento
CtgT Vcls	Valore di ctg(teta) adottato nella verifica V compressione cls
Vrsd Vcls	Valore della resistenza a taglio trazione (armatura di calcolo)
Vrcd Vcls	Valore della resistenza a taglio compressione
CtgT Vacc	Valore di ctg(teta) adottato nella verifica V trazione armatura
Vrsd Vacc	Valore della resistenza a taglio trazione (armatura presente)
Vrcd Vacc	Valore della resistenza a taglio compressione
Vdd	Valore del contributo alla resistenza allo scorrimento come da [7.4.20]
Vid	Valore del contributo alla resistenza allo scorrimento come da [7.4.21]
A s.i.	Somma delle aree di armature
Incli.	Angolo di inclinazione delle armature
Dist.	Distanza alla base tra le armature inclinate

Quota	Ascissa verticale di riferimento
V[7.4.16]	Verifica a taglio-trazione dell'armatura dell'anima (7.4.16)
N M V	Sollecitazioni di calcolo della condizione più gravosa
Alfas	Rapporto di Taglio
Vrd,c	Resistenza a taglio degli elementi non armati
VRd,s	Resistenza a taglio nei confronti dello scorrimento
V[7.4.17]	Verifica a taglio-trazione dell'armatura dell'anima (7.4.17)
roH	Rapporto tra l'armatura orizzontale e l'area della sezione relativa di calcestruzzo
roV	Rapporto tra l'armatura verticale e l'area della sezione relativa di calcestruzzo
roN	Sforzo normale adimensionalizzato Ned/(bw fyd)

Per la verifica a *Punzonamento* è presente una tabella con i simboli di seguito descritti:

Nodo	numero del nodo
Stato	codice di verifica dell'elemento **ok** o **NV**
V. 6.47	Fattore di sicurezza per la verifica per piastre prive di armature a taglio lungo il perimetro resistente U1

V. 6.53	Fattore di sicurezza per la verifica per piastre prive di armature a taglio lungo il perimetro del pilastro U0
Beta	Fattore di incremento dovuto ai momenti flettenti
f. a fon	fattore di amplificazione per le fondazioni (solo per gusci di fondazione)
f. Uout	fattore di amplificazione dell'altezza utile per individuare il perimetro di verifica lungo il quale l'armatura a taglio non è richiesta
Aw tot	Quantitativo di armatura per la verifica di piastre munite di armatura (formula 6.52 dell'EC2)
Asw,min	Quantitativo minimo di armatura previsto dai dettagli costruttivi (formula 9.11 dell'EC2)
n. x serie	Numero di serie di armature
n.ser 0(R)	Numero di braccia delle armatura in direzione 0 (o numero di braccia radiale)
n.ser 90	Numero di braccia delle armatura in direzione 90 (solo se armatura cruciforme)
Rif. cmb	Riferimento combinazioni da cui si generano le verifiche più gravose

PROGETTAZIONE DELLE FONDAZIONI

Il D.M.17/01/2018 - par: 7.2.5 prevede:
"Sia per CD"A" sia per CD"B" il dimensionamento delle strutture di fondazione e la verifica di sicurezza del complesso fondazione-terreno devono essere eseguiti assumendo come azione in fondazione, trasmessa dagli elementi soprastanti, una tra le seguenti:

- quella derivante dall'analisi strutturale eseguita ipotizzando comportamento strutturale non dissipativo;
- […];
- quella trasferita dagli elementi soprastanti nell'ipotesi di comportamento strutturale dissipativo, amplificata di un coefficiente pari a 1,30 in CD"A" e 1,10 in CD"B";

Nel contesto visualizzazione risultati e nella stampa della relazione sulle fondazioni PRO_SAP mostra le sollecitazioni che derivano dall'analisi non incrementate sia in termini di pressioni sul terreno che in termini di sollecitazioni.

La progettazione degli elementi strutturali con proprietà fondazione è effettuata da PRO_SAP (per travi e platee) o da PRO_CAD Plinti (per plinti e pali di fondazione) incrementando la componente sismica delle combinazioni di un coefficiente pari 1.1 in CDB e 1.3 in CDA per pali, plinti, travi e platee.
Per i bicchieri dei plinti di fondazione prefabbricati l'incremento delle sollecitazioni ha un fattore pari a 1.2 in CDB e 1.35 in CDA.

N.B.: nel caso di comportamento strutturale non dissipativo la progettazione viene effettuata senza nessun incremento.

Le verifiche geotecniche di pali, plinti, plinti su pali, travi e platee vengono effettuate dal modulo geotecnico incrementando automaticamente la componente sismica delle azioni di un fattore 1.1 in CDB e 1.3 in CDA.

N.B.: nel caso di comportamento strutturale non dissipativo le verifiche geotecniche vengono effettuate senza nessun incremento.

Macro Guscio	Spessore	Id Materiale	Id Criterio	Progettazione
	cm			

Macro Guscio	Spessore	Id Materiale	Id Criterio	Progettazione
1	40.00	1	2	Singolo elemento

Nodo	Stato	x/d	V N/M	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N x	N y	N xy	M x	M y	M xy
									daN/cm	daN/cm	daN/cm	daN	daN	daN
1	ok	0.11	2.21e-02	2.46e-04	5.7	5.7	5.7	5.7	-0.3	0.1	-0.4	-161.4	-40.4	-49.7
2	ok	0.11	2.21e-02	2.46e-04	5.7	5.7	5.7	5.7	-0.3	0.1	0.4	-161.4	-40.4	49.7
5	ok	0.11	0.2	5.57e-03	5.7	5.7	5.7	5.7	-8.6	-13.6	-14.7	-952.8	-1140.1	-136.0
8	ok	0.11	0.2	3.02e-03	5.7	5.7	5.7	5.7	4.5	8.5	-7.4	-1018.3	-1300.7	-98.5
10	ok	0.11	0.2	5.28e-03	5.7	5.7	5.7	5.7	-10.6	9.8	2.9	-1221.1	-749.7	161.6
12	ok	0.11	0.2	2.71e-03	5.7	5.7	5.7	5.7	8.8	4.6	-6.9	-1409.8	-942.1	-54.6
14	ok	0.11	0.2	5.28e-03	5.7	5.7	5.7	5.7	-10.6	9.8	-2.9	-1221.1	-749.7	-161.6
16	ok	0.11	0.2	3.02e-03	5.7	5.7	5.7	5.7	4.5	8.5	7.4	-1018.3	-1300.7	98.5
18	ok	0.11	0.2	5.57e-03	5.7	5.7	5.7	5.7	-6.4	6.3	3.6	-935.0	-1077.6	223.7
20	ok	0.11	0.2	2.94e-03	5.7	5.7	5.7	5.7	8.0	4.6	-7.0	-1479.2	-942.0	-55.3
42	ok	0.11	9.14e-02	1.35e-03	5.7	5.7	5.7	5.7	-3.6	0.6	1.9	-666.9	-544.5	-43.9
43	ok	0.11	8.47e-02	9.83e-04	5.7	5.7	5.7	5.7	-4.6	1.4	0.3	-690.8	-673.1	-0.6
77	ok	0.11	7.82e-02	8.66e-04	5.7	5.7	5.7	5.7	-2.5	0.4	1.8	-629.1	-375.4	-38.4
81	ok	0.11	4.66e-02	4.72e-04	5.7	5.7	5.7	5.7	-1.4	1.0	-0.6	-194.1	-335.6	24.2
82	ok	0.11	4.66e-02	4.72e-04	5.7	5.7	5.7	5.7	-1.4	1.0	0.6	-194.1	-335.6	-24.2
83	ok	0.11	9.85e-02	1.17e-03	5.7	5.7	5.7	5.7	0.2	-3.5	-3.3	-622.2	-679.7	35.2
84	ok	0.11	4.58e-02	3.29e-04	5.7	5.7	5.7	5.7	-0.7	1.0	-0.7	-193.5	-368.8	11.4
88	ok	0.11	0.1	2.27e-03	5.7	5.7	5.7	5.7	-5.5	-2.7	6.4	-898.1	-526.6	20.9
89	ok	0.11	5.71e-02	4.02e-04	5.7	5.7	5.7	5.7	-1.5	1.5	-0.1	-189.3	-460.3	-0.9
90	ok	0.11	5.06e-02	2.91e-04	5.7	5.7	5.7	5.7	-0.9	1.1	0.9	-191.3	-407.6	-11.2
91	ok	0.11	0.1	2.10e-03	5.7	5.7	5.7	5.7	1.6	-8.0	-4.6	-799.1	-865.0	-108.3
92	ok	0.11	0.1	2.08e-03	5.7	5.7	5.7	5.7	1.5	-7.8	4.0	-796.3	-863.6	9.0
93	ok	0.11	0.1	9.04e-04	5.7	5.7	5.7	5.7	-0.2	-1.7	-2.6	-686.3	-787.8	-71.9
96	ok	0.11	0.1	7.91e-04	5.7	5.7	5.7	5.7	-0.3	-1.6	2.0	-689.7	-791.0	-28.5
97	ok	0.11	9.85e-02	1.17e-03	5.7	5.7	5.7	5.7	0.2	-3.5	3.3	-622.2	-679.7	-35.2
100	ok	0.11	0.1	1.67e-03	5.7	5.7	5.7	5.7	3.3	-7.4	1.5	-937.5	-844.8	-99.9
101	ok	0.11	4.58e-02	3.29e-04	5.7	5.7	5.7	5.7	-0.7	1.0	0.7	-193.5	-368.8	-11.4
103	ok	0.11	0.1	1.33e-03	5.7	5.7	5.7	5.7	0.1	-3.7	-4.0	-609.0	-673.4	-60.3
104	ok	0.11	0.1	1.33e-03	5.7	5.7	5.7	5.7	0.1	-3.7	4.0	-609.0	-673.4	60.3
107	ok	0.11	6.17e-02	2.91e-04	5.7	5.7	5.7	5.7	-1.0	1.4	-6.90e-02	-187.5	-497.5	-0.9
108	ok	0.11	0.1	9.04e-04	5.7	5.7	5.7	5.7	-0.2	-1.7	2.6	-686.3	-787.8	71.9
109	ok	0.11	1.87e-02	4.37e-04	5.7	5.7	5.7	5.7	-0.9	0.2	0.3	-145.1	-32.8	26.9
110	ok	0.11	1.87e-02	4.37e-04	5.7	5.7	5.7	5.7	-0.9	0.2	-0.3	-145.1	-32.8	-26.9
114	ok	0.11	0.1	1.67e-03	5.7	5.7	5.7	5.7	3.3	-7.4	-1.5	-937.5	-844.8	99.9
115	ok	0.11	7.01e-02	6.03e-04	5.7	5.7	5.7	5.7	2.6	-0.4	-0.4	-561.3	-70.2	39.7
116	ok	0.11	7.01e-02	6.03e-04	5.7	5.7	5.7	5.7	2.6	-0.4	0.4	-561.3	-70.2	-39.7
117	ok	0.11	0.1	7.91e-04	5.7	5.7	5.7	5.7	-0.3	-1.6	-2.0	-689.7	-791.0	28.5
121	ok	0.11	6.58e-02	5.92e-04	5.7	5.7	5.7	5.7	2.4	-0.4	0.7	-524.1	-66.2	51.5
122	ok	0.11	6.58e-02	5.92e-04	5.7	5.7	5.7	5.7	2.4	-0.4	-0.7	-524.1	-66.2	-51.5
123	ok	0.11	8.03e-02	6.41e-04	5.7	5.7	5.7	5.7	3.1	-0.4	-6.81e-02	-642.1	-65.5	48.1
124	ok	0.11	6.83e-02	5.54e-04	5.7	5.7	5.7	5.7	0.5	2.9	2.3	-551.0	-386.8	13.4
125	ok	0.11	8.03e-02	6.41e-04	5.7	5.7	5.7	5.7	3.1	-0.4	6.81e-02	-642.1	-65.5	-48.1
126	ok	0.11	7.25e-02	6.18e-04	5.7	5.7	5.7	5.7	2.7	-0.4	0.9	-579.1	-65.0	47.9
127	ok	0.11	0.1	1.45e-03	5.7	5.7	5.7	5.7	-1.8	1.4	-4.0	-1077.2	-640.6	-24.0
128	ok	0.11	7.25e-02	6.18e-04	5.7	5.7	5.7	5.7	2.7	-0.4	-0.9	-579.1	-65.0	-47.9
129	ok	0.11	7.55e-02	6.24e-04	5.7	5.7	5.7	5.7	2.9	-0.4	-0.7	-604.0	-68.0	45.2
130	ok	0.11	0.1	1.37e-03	5.7	5.7	5.7	5.7	-0.9	1.6	-3.9	-1011.0	-642.3	-23.3

131	ok	0.11	7.55e-02	6.24e-04	5.7	5.7	5.7	5.7	2.9	-0.4	0.7	-604.0	-68.0	-45.3
132	ok	0.11	4.90e-02	4.23e-04	5.7	5.7	5.7	5.7	-1.6	1.1	1.0	-191.6	-372.0	-21.3
133	ok	0.11	0.1	2.48e-03	5.7	5.7	5.7	5.7	-2.5	-6.2	7.0	-628.5	-801.1	80.8
137	ok	0.11	0.1	2.27e-03	5.7	5.7	5.7	5.7	-2.3	-6.0	-6.1	-636.4	-798.9	13.9
138	ok	0.11	5.06e-02	2.91e-04	5.7	5.7	5.7	5.7	-0.9	1.1	-0.9	-191.3	-407.6	11.2
139	ok	0.11	0.1	2.10e-03	5.7	5.7	5.7	5.7	1.6	-8.0	4.6	-799.1	-865.0	108.3
140	ok	0.11	0.1	2.08e-03	5.7	5.7	5.7	5.7	1.5	-7.8	-4.0	-796.2	-863.6	-9.0
141	ok	0.11	5.20e-02	4.17e-04	5.7	5.7	5.7	5.7	-1.7	1.3	0.9	-190.6	-417.6	-17.9
142	ok	0.11	0.1	2.26e-03	5.7	5.7	5.7	5.7	-6.8	1.5	2.9	-1013.7	-650.6	37.6
146	ok	0.11	0.1	2.03e-03	5.7	5.7	5.7	5.7	-5.8	1.6	-2.8	-952.4	-660.9	-39.9
147	ok	0.11	5.62e-02	3.03e-04	5.7	5.7	5.7	5.7	-1.0	1.3	-0.7	-189.3	-453.4	11.0
148	ok	0.11	0.1	1.38e-03	5.7	5.7	5.7	5.7	1.7	-1.5	4.3	-729.7	-922.4	71.9
149	ok	0.11	5.20e-02	4.17e-04	5.7	5.7	5.7	5.7	-1.7	1.3	-0.9	-190.6	-417.6	17.9
150	ok	0.11	0.1	2.26e-03	5.7	5.7	5.7	5.7	-6.8	1.5	-2.9	-1013.7	-650.6	-37.6
154	ok	0.11	0.1	2.03e-03	5.7	5.7	5.7	5.7	-5.8	1.6	2.8	-952.4	-660.9	39.9
155	ok	0.11	5.62e-02	3.03e-04	5.7	5.7	5.7	5.7	-1.0	1.3	0.7	-189.3	-453.4	-11.0
156	ok	0.11	0.1	1.38e-03	5.7	5.7	5.7	5.7	1.7	-1.5	-4.3	-729.7	-922.4	-71.9
157	ok	0.11	4.90e-02	4.23e-04	5.7	5.7	5.7	5.7	-1.6	1.1	-1.0	-191.6	-372.0	21.3
158	ok	0.11	0.1	2.48e-03	5.7	5.7	5.7	5.7	-2.5	-6.2	-7.0	-628.5	-801.1	-80.8
183	ok	0.11	8.07e-02	8.87e-04	5.7	5.7	5.7	5.7	-3.5	0.6	-1.7	-647.0	-458.8	41.6
184	ok	0.11	7.82e-02	8.66e-04	5.7	5.7	5.7	5.7	-2.1	0.5	-1.8	-619.4	-385.6	32.1
185	ok	0.11	5.48e-02	5.02e-04	5.7	5.7	5.7	5.7	-0.9	-2.36e-02	-0.6	-433.7	-27.6	-65.1
186	ok	0.11	8.07e-02	8.87e-04	5.7	5.7	5.7	5.7	-2.9	0.5	1.8	-642.2	-456.6	-41.4
187	ok	0.11	9.14e-02	1.35e-03	5.7	5.7	5.7	5.7	-4.6	-8.28e-02	-3.2	-711.6	-576.2	70.3
188	ok	0.11	7.61e-02	6.85e-04	5.7	5.7	5.7	5.7	-2.5	0.7	1.6	-607.0	-476.1	-36.5
189	ok	0.11	7.35e-02	6.59e-04	5.7	5.7	5.7	5.7	-2.1	0.5	1.9	-588.9	-406.9	-31.5
190	ok	0.11	7.35e-02	6.59e-04	5.7	5.7	5.7	5.7	-2.1	0.5	-1.9	-588.9	-406.9	31.5
222	ok	0.11	8.74e-02	1.16e-03	5.7	5.7	5.7	5.7	-3.6	1.84e-02	-3.1	-669.5	-591.9	65.6
223	ok	0.11	8.52e-02	7.89e-04	5.7	5.7	5.7	5.7	-3.7	1.5	0.3	-648.9	-687.4	-0.4
224	ok	0.11	5.20e-02	5.13e-04	5.7	5.7	5.7	5.7	0.2	-1.69e-02	0.5	-405.7	-31.3	69.9
225	ok	0.11	7.61e-02	6.85e-04	5.7	5.7	5.7	5.7	-2.5	0.7	-1.6	-607.0	-476.1	36.5
226	ok	0.11	8.74e-02	1.16e-03	5.7	5.7	5.7	5.7	-3.6	1.84e-02	3.1	-669.5	-591.9	-65.6
227	ok	0.11	5.48e-02	5.02e-04	5.7	5.7	5.7	5.7	-0.9	-2.36e-02	0.6	-433.7	-27.6	65.0
228	ok	0.11	5.20e-02	5.13e-04	5.7	5.7	5.7	5.7	0.2	-1.69e-02	-0.5	-405.7	-31.3	-69.9
237	ok	0.11	5.59e-02	4.53e-04	5.7	5.7	5.7	5.7	-1.6	0.8	1.3	-358.1	-441.3	-29.8
238	ok	0.11	5.22e-02	4.20e-04	5.7	5.7	5.7	5.7	-1.1	0.7	1.1	-358.4	-385.8	-29.2
239	ok	0.11	5.22e-02	4.20e-04	5.7	5.7	5.7	5.7	-1.1	0.7	-1.1	-358.4	-385.8	29.2
240	ok	0.11	6.27e-02	4.40e-04	5.7	5.7	5.7	5.7	-1.7	1.0	-1.1	-359.3	-501.1	27.2
241	ok	0.11	6.94e-02	4.24e-04	5.7	5.7	5.7	5.7	-1.9	1.3	-4.21e-02	-362.0	-560.1	-1.3
242	ok	0.11	3.67e-02	3.64e-04	5.7	5.7	5.7	5.7	-0.1	4.58e-02	0.5	-283.4	-37.8	54.0
243	ok	0.11	5.59e-02	4.53e-04	5.7	5.7	5.7	5.7	-1.6	0.8	-1.3	-358.1	-441.3	29.8
244	ok	0.11	6.27e-02	4.40e-04	5.7	5.7	5.7	5.7	-1.7	1.0	1.1	-359.3	-501.1	-27.2
245	ok	0.11	3.67e-02	3.64e-04	5.7	5.7	5.7	5.7	-0.1	4.58e-02	-0.5	-283.4	-37.8	-54.0
246	ok	0.11	3.60e-02	4.58e-04	5.7	5.7	5.7	5.7	-1.1	5.05e-02	-0.5	-280.7	-32.2	-41.7
247	ok	0.11	3.60e-02	4.58e-04	5.7	5.7	5.7	5.7	-1.1	5.05e-02	0.5	-280.7	-32.2	41.7
248	ok	0.11	6.28e-02	6.21e-04	5.7	5.7	5.7	5.7	-2.5	0.9	1.2	-377.8	-475.0	-33.1
249	ok	0.11	6.61e-02	6.09e-04	5.7	5.7	5.7	5.7	-2.6	1.3	-6.88e-02	-381.6	-533.9	-1.5
250	ok	0.11	5.56e-02	6.19e-04	5.7	5.7	5.7	5.7	-2.0	0.7	1.1	-374.9	-360.6	-39.1
251	ok	0.11	5.91e-02	6.35e-04	5.7	5.7	5.7	5.7	-2.5	0.8	-1.4	-375.4	-415.5	37.7
252	ok	0.11	5.56e-02	6.19e-04	5.7	5.7	5.7	5.7	-2.0	0.7	-1.1	-374.9	-360.6	39.1
253	ok	0.11	5.91e-02	6.35e-04	5.7	5.7	5.7	5.7	-2.5	0.8	1.4	-375.4	-415.5	-37.7
254	ok	0.11	6.28e-02	6.21e-04	5.7	5.7	5.7	5.7	-2.5	0.9	-1.2	-377.8	-475.0	33.1
255	ok	0.11	2.86e-02	3.00e-04	5.7	5.7	5.7	5.7	-0.2	0.5	-1.1	-184.2	-180.4	-19.0
256	ok	0.11	2.87e-02	4.53e-04	5.7	5.7	5.7	5.7	0.1	-0.6	1.0	-73.7	-173.8	96.8
257	ok	0.11	2.86e-02	3.00e-04	5.7	5.7	5.7	5.7	-0.2	0.5	1.1	-184.2	-180.4	19.0
258	ok	0.11	2.87e-02	4.53e-04	5.7	5.7	5.7	5.7	0.2	-0.4	-1.0	-75.5	-168.5	-95.5

259	ok	0.11	7.65e-02	5.40e-04	5.7	5.7	5.7	5.7	1.5	-1.2	1.7	-555.4	-297.5	28.3
260	ok	0.11	7.98e-02	6.65e-04	5.7	5.7	5.7	5.7	1.8	-1.6	1.5	-628.2	-300.4	27.3
261	ok	0.11	4.14e-02	5.33e-04	5.7	5.7	5.7	5.7	-1.6	0.2	1.6	-336.1	-155.4	-1.1
262	ok	0.11	8.95e-02	4.47e-04	5.7	5.7	5.7	5.7	2.1	-2.0	0.2	-714.7	-310.5	52.9
263	ok	0.11	8.45e-02	5.81e-04	5.7	5.7	5.7	5.7	2.0	-2.4	-1.3	-661.6	-298.4	85.3
264	ok	0.11	7.47e-02	4.20e-04	5.7	5.7	5.7	5.7	1.6	-1.5	-0.9	-583.4	-309.0	74.2
265	ok	0.11	6.06e-02	4.20e-04	5.7	5.7	5.7	5.7	1.0	-1.0	-1.7	-410.1	-293.4	38.9
266	ok	0.11	6.42e-02	5.74e-04	5.7	5.7	5.7	5.7	-1.3	-0.2	1.2	-514.4	-142.4	31.3
267	ok	0.11	4.06e-02	3.38e-04	5.7	5.7	5.7	5.7	-0.5	0.2	-1.4	-328.1	-174.7	-12.1
268	ok	0.11	4.14e-02	5.33e-04	5.7	5.7	5.7	5.7	-1.6	0.2	-1.6	-336.1	-155.4	1.1
269	ok	0.11	7.47e-02	4.20e-04	5.7	5.7	5.7	5.7	1.6	-1.5	0.9	-583.4	-309.0	-74.2
270	ok	0.11	6.06e-02	4.20e-04	5.7	5.7	5.7	5.7	1.0	-1.0	1.7	-410.1	-293.4	-38.9
271	ok	0.11	7.65e-02	5.40e-04	5.7	5.7	5.7	5.7	1.5	-1.2	-1.7	-555.4	-297.5	-28.3
272	ok	0.11	7.98e-02	6.65e-04	5.7	5.7	5.7	5.7	1.8	-1.6	-1.5	-628.2	-300.4	-27.4
273	ok	0.11	8.95e-02	4.47e-04	5.7	5.7	5.7	5.7	2.1	-2.0	-0.2	-714.7	-310.5	-52.9
274	ok	0.11	8.45e-02	5.81e-04	5.7	5.7	5.7	5.7	2.0	-2.4	1.3	-661.6	-298.4	-85.3
275	ok	0.11	6.42e-02	5.74e-04	5.7	5.7	5.7	5.7	-1.2	-0.1	-1.3	-508.1	-144.5	-30.0
276	ok	0.11	4.06e-02	3.38e-04	5.7	5.7	5.7	5.7	-0.4	0.2	1.1	-325.4	-173.8	16.0
277	ok	0.11	1.02e-02	3.54e-04	5.7	5.7	5.7	5.7	-0.2	0.1	0.3	-39.1	-28.4	-48.4
278	ok	0.11	1.02e-02	3.54e-04	5.7	5.7	5.7	5.7	-0.2	0.1	-0.3	-39.1	-28.4	48.4
279	ok	0.11	4.10e-02	4.06e-04	5.7	5.7	5.7	5.7	-3.98e-02	-0.2	-0.8	-17.5	-259.3	-151.0
280	ok	0.11	4.10e-02	4.06e-04	5.7	5.7	5.7	5.7	-3.98e-02	-0.2	0.8	-17.5	-259.3	151.0
281	ok	0.11	5.18e-02	4.38e-04	5.7	5.7	5.7	5.7	-1.10e-03	0.2	-0.4	-28.1	-272.4	-180.9
282	ok	0.11	4.21e-02	4.05e-04	5.7	5.7	5.7	5.7	-8.65e-02	-0.4	0.5	-17.9	-260.6	159.5
283	ok	0.11	4.74e-02	4.23e-04	5.7	5.7	5.7	5.7	-6.69e-02	-0.4	0.6	-19.9	-279.5	171.2
284	ok	0.11	4.74e-02	4.23e-04	5.7	5.7	5.7	5.7	-6.69e-02	-0.4	-0.6	-19.9	-279.5	-171.2
285	ok	0.11	4.21e-02	4.05e-04	5.7	5.7	5.7	5.7	-8.65e-02	-0.4	-0.5	-17.9	-260.6	-159.5
286	ok	0.11	2.32e-02	4.22e-04	5.7	5.7	5.7	5.7	3.21e-02	-0.4	0.3	-15.9	-121.1	107.4
287	ok	0.11	2.32e-02	4.22e-04	5.7	5.7	5.7	5.7	3.21e-02	-0.4	-0.3	-15.9	-121.1	-107.4
288	ok	0.11	1.12e-02	2.29e-04	5.7	5.7	5.7	5.7	-0.1	0.2	-3.16e-02	-46.4	-30.2	-50.9
289	ok	0.11	1.12e-02	2.29e-04	5.7	5.7	5.7	5.7	-0.1	0.2	3.16e-02	-46.4	-30.2	50.9
290	ok	0.11	4.45e-02	3.45e-04	5.7	5.7	5.7	5.7	-0.2	1.3	-0.3	-58.4	-359.1	-7.6
291	ok	0.11	4.75e-02	3.54e-04	5.7	5.7	5.7	5.7	-0.3	1.5	0.5	-57.6	-382.9	4.9
292	ok	0.11	4.45e-02	3.45e-04	5.7	5.7	5.7	5.7	-0.2	1.3	0.3	-58.4	-359.1	7.6
293	ok	0.11	5.75e-02	3.87e-04	5.7	5.7	5.7	5.7	-0.3	1.8	0.1	-53.8	-463.6	-0.6
294	ok	0.11	4.75e-02	3.54e-04	5.7	5.7	5.7	5.7	-0.3	1.5	-0.5	-57.6	-382.9	-4.9
295	ok	0.11	5.30e-02	3.73e-04	5.7	5.7	5.7	5.7	-0.5	1.6	-0.5	-57.7	-425.6	-2.3
296	ok	0.11	5.30e-02	3.73e-04	5.7	5.7	5.7	5.7	-0.5	1.6	0.5	-57.7	-425.6	2.3
297	ok	0.11	2.51e-02	2.97e-04	5.7	5.7	5.7	5.7	0.1	-0.4	-0.5	-37.5	-177.1	-64.5
298	ok	0.11	2.51e-02	2.97e-04	5.7	5.7	5.7	5.7	0.1	-0.4	0.5	-37.5	-177.1	64.5
299	ok	0.11	7.26e-03	2.26e-04	5.7	5.7	5.7	5.7	-1.0	-6.35e-02	0.3	-51.5	-10.1	18.9
300	ok	0.11	5.61e-03	3.69e-04	5.7	5.7	5.7	5.7	-1.6	-9.47e-02	-0.5	-41.6	-8.0	-12.2
301	ok	0.11	1.95e-02	1.93e-04	5.7	5.7	5.7	5.7	-0.9	-4.69e-02	0.2	-156.2	-2.3	16.8
302	ok	0.11	1.75e-02	4.25e-04	5.7	5.7	5.7	5.7	-1.9	-9.96e-02	-0.4	-140.6	-5.4	-14.8
303	ok	0.11	6.80e-02	8.26e-04	5.7	5.7	5.7	5.7	3.9	-0.1	-0.2	-546.1	7.5	-8.7
304	ok	0.11	6.34e-02	8.05e-04	5.7	5.7	5.7	5.7	3.8	-5.82e-02	0.2	-508.8	7.2	-6.9
305	ok	0.11	7.73e-02	1.00e-03	5.7	5.7	5.7	5.7	4.6	-0.2	-0.3	-619.9	6.0	-12.8
306	ok	0.11	7.00e-02	8.68e-04	5.7	5.7	5.7	5.7	4.1	-0.1	-0.3	-561.4	6.5	-15.2
307	ok	0.11	7.31e-02	9.34e-04	5.7	5.7	5.7	5.7	4.4	-9.92e-02	0.2	-586.7	6.6	-1.1
308	ok	0.11	5.19e-02	5.05e-04	5.7	5.7	5.7	5.7	-0.5	0.1	-0.3	-419.2	1.9	-9.3
309	ok	0.11	5.07e-02	5.99e-04	5.7	5.7	5.7	5.7	2.8	-0.2	0.2	-408.1	3.8	7.0
310	ok	0.11	3.45e-02	3.53e-04	5.7	5.7	5.7	5.7	-0.5	-6.88e-02	0.2	-277.8	5.20e-03	17.7
311	ok	0.11	3.41e-02	3.93e-04	5.7	5.7	5.7	5.7	-1.8	-0.1	-0.3	-275.7	-2.5	-17.0
312	ok	0.11	7.26e-03	2.26e-04	5.7	5.7	5.7	5.7	-1.0	-6.35e-02	-0.3	-51.5	-10.1	-18.9
313	ok	0.11	5.62e-03	3.69e-04	5.7	5.7	5.7	5.7	-1.6	-9.47e-02	0.5	-41.6	-8.0	12.2
314	ok	0.11	1.95e-02	1.93e-04	5.7	5.7	5.7	5.7	-0.9	-4.69e-02	-0.2	-156.2	-2.3	-16.8

315	ok	0.11	1.75e-02	4.25e-04	5.7	5.7	5.7	5.7	-1.9	-9.96e-02	0.4	-140.6	-5.4	14.8
316	ok	0.11	6.80e-02	8.26e-04	5.7	5.7	5.7	5.7	3.9	-0.1	0.2	-546.1	7.5	8.7
317	ok	0.11	6.34e-02	8.05e-04	5.7	5.7	5.7	5.7	3.8	-5.83e-02	-0.2	-508.8	7.2	6.9
318	ok	0.11	7.73e-02	1.00e-03	5.7	5.7	5.7	5.7	4.6	-0.2	0.3	-619.9	6.0	12.8
319	ok	0.11	7.00e-02	8.68e-04	5.7	5.7	5.7	5.7	4.1	-0.1	0.3	-561.4	6.5	15.2
320	ok	0.11	7.31e-02	9.34e-04	5.7	5.7	5.7	5.7	4.4	-9.92e-02	-0.2	-586.7	6.6	1.1
321	ok	0.11	5.19e-02	5.05e-04	5.7	5.7	5.7	5.7	-0.5	0.1	0.3	-419.2	1.9	9.3
322	ok	0.11	5.07e-02	5.99e-04	5.7	5.7	5.7	5.7	2.8	-0.2	-0.2	-408.0	3.8	-7.0
323	ok	0.11	3.45e-02	3.53e-04	5.7	5.7	5.7	5.7	-0.5	-6.88e-02	-0.2	-277.8	5.49e-03	-17.7
324	ok	0.11	3.41e-02	3.93e-04	5.7	5.7	5.7	5.7	-1.8	-0.1	0.3	-275.7	-2.5	17.0
325	ok	0.11	2.53e-03	1.46e-04	5.7	5.7	5.7	5.7	-0.6	0.3	0.4	-3.6	-7.0	11.2
326	ok	0.11	2.53e-03	1.46e-04	5.7	5.7	5.7	5.7	-9.33e-02	0.4	0.3	5.2	3.7	-3.1
327	ok	0.11	4.96e-03	3.35e-04	5.7	5.7	5.7	5.7	-0.4	5.76e-02	-0.6	-8.2	-24.8	-9.7
328	ok	0.11	4.96e-03	3.35e-04	5.7	5.7	5.7	5.7	-0.3	-1.4	-0.4	-9.9	-23.7	-22.4
329	ok	0.11	3.78e-02	5.39e-04	5.7	5.7	5.7	5.7	0.2	1.13e-02	-4.87e-02	4.1	-246.2	-22.1
330	ok	0.11	3.78e-02	5.39e-04	5.7	5.7	5.7	5.7	-0.1	2.4	-0.4	7.3	-304.7	-5.5
331	ok	0.11	4.98e-02	6.61e-04	5.7	5.7	5.7	5.7	0.1	0.4	-0.3	2.9	-264.6	-27.6
332	ok	0.11	4.05e-02	4.95e-04	5.7	5.7	5.7	5.7	-0.1	-0.3	0.4	-1.1	-250.4	29.8
333	ok	0.11	4.56e-02	6.12e-04	5.7	5.7	5.7	5.7	-0.1	-0.6	0.2	1.4	-268.0	31.6
334	ok	0.11	4.56e-02	6.12e-04	5.7	5.7	5.7	5.7	-0.1	-0.6	-0.2	1.4	-268.0	-31.6
335	ok	0.11	4.05e-02	4.95e-04	5.7	5.7	5.7	5.7	-0.1	-0.3	-0.4	-1.1	-250.4	-29.8
336	ok	0.11	1.74e-02	3.82e-04	5.7	5.7	5.7	5.7	-0.3	-1.6	0.5	-8.2	-120.6	29.1
337	ok	0.11	1.74e-02	3.82e-04	5.7	5.7	5.7	5.7	-0.3	-1.6	-0.5	-8.2	-120.6	-29.1
338	ok	0.11	4.03e-03	1.49e-04	5.7	5.7	5.7	5.7	-0.5	0.2	0.2	-11.5	-15.2	19.1
339	ok	0.11	4.03e-03	1.49e-04	5.7	5.7	5.7	5.7	0.3	-0.6	-0.2	-13.4	-14.2	-18.5
340	ok	0.11	6.90e-03	3.18e-04	5.7	5.7	5.7	5.7	-4.56e-02	-1.4	-0.3	-8.3	-44.9	-22.9
341	ok	0.11	6.90e-03	3.18e-04	5.7	5.7	5.7	5.7	-4.56e-02	-1.4	0.3	-8.3	-44.9	22.9
342	ok	0.11	4.30e-02	4.37e-04	5.7	5.7	5.7	5.7	-3.76e-02	2.0	0.2	7.6	-346.4	2.5
343	ok	0.11	4.60e-02	4.51e-04	5.7	5.7	5.7	5.7	-5.59e-02	2.1	-3.15e-02	2.8	-370.7	5.5
344	ok	0.11	4.30e-02	4.37e-04	5.7	5.7	5.7	5.7	-3.76e-02	2.0	-0.2	7.6	-346.4	-2.5
345	ok	0.11	5.55e-02	5.81e-04	5.7	5.7	5.7	5.7	-0.1	2.7	-0.2	4.3	-446.8	-3.9
346	ok	0.11	4.60e-02	4.51e-04	5.7	5.7	5.7	5.7	-5.59e-02	2.1	3.15e-02	2.8	-370.7	-5.5
347	ok	0.11	5.12e-02	5.32e-04	5.7	5.7	5.7	5.7	-7.17e-02	2.4	-0.2	5.6	-412.4	-5.9
348	ok	0.11	5.12e-02	5.32e-04	5.7	5.7	5.7	5.7	-7.17e-02	2.4	0.2	5.6	-412.4	5.9
349	ok	0.11	2.15e-02	2.98e-04	5.7	5.7	5.7	5.7	-8.17e-02	-1.3	-0.3	-3.6	-172.0	-21.4
350	ok	0.11	2.15e-02	2.98e-04	5.7	5.7	5.7	5.7	-0.3	0.8	0.3	-1.8	-169.4	17.7

Nodo	**x/d**	**V N/M**	**ver. rid**	**Af pr-**	**Af pr+**	**Af sec-**	**Af sec+**	**N x**	**N y**	**N xy**	**M x**	**M y**	**M xy**
								-10.55	-13.58	-14.73	-1479.15	-1300.70	-180.91
	0.11	0.19	5.57e-03	5.65	5.65	5.65	5.65	8.85	9.80	7.36	7.60	7.49	223.71

Nodo	**Stato**	**Max tau**	**Ver V pr**	**Ver V sec**	**Af V pr**	**Af V sec**	**V pr**	**V sec**
		daN/cm2					daN/cm	daN/cm
1	ok	0.18						
2	ok	0.18						
5	ok	0.84						
8	ok	0.79						
10	ok	0.80						
12	ok	0.79						
14	ok	0.80						
16	ok	0.79						
18	ok	0.84						
20	ok	0.82						
42	ok	0.49						
43	ok	0.49						

77	ok	0.39
81	ok	0.24
82	ok	0.24
83	ok	0.57
84	ok	0.22
88	ok	0.80
89	ok	0.25
90	ok	0.23
91	ok	0.84
92	ok	0.80
93	ok	0.57
96	ok	0.57
97	ok	0.57
100	ok	0.55
101	ok	0.22
103	ok	0.57
104	ok	0.57
107	ok	0.23
108	ok	0.57
109	ok	0.20
110	ok	0.20
114	ok	0.55
115	ok	0.22
116	ok	0.22
117	ok	0.57
121	ok	0.24
122	ok	0.24
123	ok	0.22
124	ok	0.78
125	ok	0.22
126	ok	0.24
127	ok	0.82
128	ok	0.24
129	ok	0.22
130	ok	0.79
131	ok	0.22
132	ok	0.25
133	ok	0.84
137	ok	0.80
138	ok	0.23
139	ok	0.84
140	ok	0.80
141	ok	0.25
142	ok	0.84
146	ok	0.80
147	ok	0.23
148	ok	0.79
149	ok	0.25
150	ok	0.84
154	ok	0.80
155	ok	0.23
156	ok	0.79
157	ok	0.25
158	ok	0.84
183	ok	0.45
184	ok	0.39

185	ok	0.23
186	ok	0.45
187	ok	0.49
188	ok	0.42
189	ok	0.38
190	ok	0.38
222	ok	0.46
223	ok	0.46
224	ok	0.21
225	ok	0.42
226	ok	0.46
227	ok	0.23
228	ok	0.21
237	ok	0.29
238	ok	0.28
239	ok	0.28
240	ok	0.31
241	ok	0.31
242	ok	0.19
243	ok	0.29
244	ok	0.31
245	ok	0.19
246	ok	0.23
247	ok	0.23
248	ok	0.34
249	ok	0.34
250	ok	0.30
251	ok	0.32
252	ok	0.30
253	ok	0.32
254	ok	0.34
255	ok	0.20
256	ok	0.22
257	ok	0.20
258	ok	0.22
259	ok	0.36
260	ok	0.41
261	ok	0.24
262	ok	0.41
263	ok	0.40
264	ok	0.34
265	ok	0.28
266	ok	0.31
267	ok	0.23
268	ok	0.24
269	ok	0.34
270	ok	0.28
271	ok	0.36
272	ok	0.41
273	ok	0.41
274	ok	0.40
275	ok	0.31
276	ok	0.23
277	ok	0.15
278	ok	0.15
279	ok	0.20

280	ok	0.20
281	ok	0.17
282	ok	0.19
283	ok	0.19
284	ok	0.19
285	ok	0.19
286	ok	0.20
287	ok	0.20
288	ok	0.16
289	ok	0.16
290	ok	0.18
291	ok	0.18
292	ok	0.18
293	ok	0.16
294	ok	0.18
295	ok	0.17
296	ok	0.17
297	ok	0.17
298	ok	0.17
299	ok	0.16
300	ok	0.13
301	ok	0.18
302	ok	0.20
303	ok	0.13
304	ok	0.22
305	ok	0.13
306	ok	0.18
307	ok	0.10
308	ok	0.23
309	ok	0.17
310	ok	0.18
311	ok	0.23
312	ok	0.16
313	ok	0.13
314	ok	0.18
315	ok	0.20
316	ok	0.13
317	ok	0.22
318	ok	0.13
319	ok	0.18
320	ok	0.10
321	ok	0.23
322	ok	0.17
323	ok	0.18
324	ok	0.23
325	ok	0.05
326	ok	0.05
327	ok	0.15
328	ok	0.15
329	ok	0.20
330	ok	0.20
331	ok	0.16
332	ok	0.18
333	ok	0.18
334	ok	0.18
335	ok	0.18

336	ok	0.20
337	ok	0.20
338	ok	0.08
339	ok	0.08
340	ok	0.15
341	ok	0.15
342	ok	0.15
343	ok	0.12
344	ok	0.15
345	ok	0.07
346	ok	0.12
347	ok	0.11
348	ok	0.11
349	ok	0.15
350	ok	0.15

Nodo	Max tau	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr	V sec
	0.84						

STATI LIMITE D' ESERCIZIO

LEGENDA TABELLA STATI LIMITE D' ESERCIZIO

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

In particolare vengono riportati, in relazione al tipo di elemento strutturale, i risultati relativi alle tre categorie di combinazione considerate:

- Combinazioni rare
- Combinazioni frequenti
- Combinazioni quasi permanenti.

I valori di interesse sono i seguenti:

rRfck	rapporto tra la massima compressione nel calcestruzzo e la tensione fck in combinazioni rare	[*normalizzato a 1*]
rRfyk	rapporto tra la massima tensione nell'acciaio e la tensione fyk in combinazioni rare	[*normalizzato a 1*]
rPfck	rapporto tra la massima compressione nel calcestruzzo e la tensione fck in combinazioni quasi permanenti	[*normalizzato a 1*]
wR	apertura caratteristica delle fessure in combinazioni rare	[*mm*]
wF	apertura caratteristica delle fessure in combinazioni frequenti	[*mm*]
wP	apertura caratteristica delle fessure in combinazioni quasi permanenti	[*mm*]
dR	massima deformazione in combinazioni rare	
dF	massima deformazione in combinazioni frequenti	
dP	massima deformazione in combinazioni quasi permanenti	

Per ognuno dei nove valori soprariportati viene indicata (Rif.cmb) la combinazione in cui si è verificato.

In relazione al tipo di elemento strutturale i valori sono selezionati nel modo seguente:

pilastri	**rRfck**	**rRfyk**	**rPfck**	per sezioni significative
travi	**rRfck**	**rRfyk**	**rPfck**	per sezioni significative
	wR	**wF**	**wP**	per sezioni significative
	dR	**dF**	**dP**	massimi in campata
setti e gusci	**rRfck**	**rRfyk**	**rPfck**	massimi nei nodi dell'elemento
	wR	**wF**	**wP**	massimi nei nodi dell'elemento

Si precisa che i valori di massima deformazione per travi sono riferiti al piano verticale (piano locale 1-2 con momenti flettenti 3-3).

Guscio	rRfck	rRfyk	rPfck	Rif. cmb	wR	wF	wP	Rif. cmb
					mm	mm	mm	
1	0.02	0.06	0.0	5,5,0	0.0	0.0	0.0	0,0,0
66	0.06	0.15	0.0	7,7,0	0.0	0.0	0.0	0,0,0
67	0.05	0.12	0.0	6,6,0	0.0	0.0	0.0	0,0,0
68	0.04	0.09	0.0	5,5,0	0.0	0.0	0.0	0,0,0
70	0.04	0.10	0.0	6,6,0	0.0	0.0	0.0	0,0,0
72	0.02	0.05	0.0	8,8,0	0.0	0.0	0.0	0,0,0
73	0.02	0.05	0.0	7,5,0	0.0	0.0	0.0	0,0,0
75	0.04	0.11	0.0	8,8,0	0.0	0.0	0.0	0,0,0
78	0.04	0.09	0.0	6,6,0	0.0	0.0	0.0	0,0,0
79	0.04	0.11	0.0	8,8,0	0.0	0.0	0.0	0,0,0
82	0.03	0.09	0.0	6,6,0	0.0	0.0	0.0	0,0,0
83	0.04	0.10	0.0	5,5,0	0.0	0.0	0.0	0,0,0
84	0.05	0.13	0.0	7,7,0	0.0	0.0	0.0	0,0,0
85	0.05	0.12	0.0	7,7,0	0.0	0.0	0.0	0,0,0
86	0.03	0.08	0.0	6,6,0	0.0	0.0	0.0	0,0,0
98	0.01	0.03	0.0	5,5,0	0.0	0.0	0.0	0,0,0
103	0.05	0.13	0.0	6,6,0	0.0	0.0	0.0	0,0,0
104	0.03	0.07	0.0	7,7,0	0.0	0.0	0.0	0,0,0
107	0.06	0.17	0.0	5,5,0	0.0	0.0	0.0	0,0,0
108	0.03	0.07	0.0	7,7,0	0.0	0.0	0.0	0,0,0
109	0.05	0.14	0.0	6,6,0	0.0	0.0	0.0	0,0,0
110	0.03	0.08	0.0	7,7,0	0.0	0.0	0.0	0,0,0
111	0.05	0.14	0.0	5,5,0	0.0	0.0	0.0	0,0,0
112	0.03	0.08	0.0	7,7,0	0.0	0.0	0.0	0,0,0
113	0.06	0.17	0.0	6,6,0	0.0	0.0	0.0	0,0,0
114	0.03	0.08	0.0	7,7,0	0.0	0.0	0.0	0,0,0
115	0.02	0.05	0.0	8,5,0	0.0	0.0	0.0	0,0,0
118	0.04	0.09	0.0	6,6,0	0.0	0.0	0.0	0,0,0
120	0.04	0.10	0.0	5,5,0	0.0	0.0	0.0	0,0,0
121	0.05	0.13	0.0	8,8,0	0.0	0.0	0.0	0,0,0
122	0.05	0.12	0.0	8,8,0	0.0	0.0	0.0	0,0,0
123	0.04	0.10	0.0	6,6,0	0.0	0.0	0.0	0,0,0
124	0.02	0.06	0.0	8,5,0	0.0	0.0	0.0	0,0,0
127	0.04	0.09	0.0	6,6,0	0.0	0.0	0.0	0,0,0
129	0.05	0.12	0.0	5,5,0	0.0	0.0	0.0	0,0,0
130	0.05	0.16	0.0	8,8,0	0.0	0.0	0.0	0,0,0
131	0.06	0.15	0.0	8,8,0	0.0	0.0	0.0	0,0,0
132	0.05	0.12	0.0	6,6,0	0.0	0.0	0.0	0,0,0
133	0.02	0.06	0.0	5,5,0	0.0	0.0	0.0	0,0,0
136	0.05	0.13	0.0	6,6,0	0.0	0.0	0.0	0,0,0
138	0.06	0.17	0.0	5,5,0	0.0	0.0	0.0	0,0,0
139	0.05	0.14	0.0	6,6,0	0.0	0.0	0.0	0,0,0
140	0.05	0.14	0.0	5,5,0	0.0	0.0	0.0	0,0,0
141	0.06	0.17	0.0	6,6,0	0.0	0.0	0.0	0,0,0
142	0.02	0.06	0.0	7,5,0	0.0	0.0	0.0	0,0,0
145	0.04	0.09	0.0	6,6,0	0.0	0.0	0.0	0,0,0
147	0.05	0.12	0.0	5,5,0	0.0	0.0	0.0	0,0,0
148	0.05	0.16	0.0	7,7,0	0.0	0.0	0.0	0,0,0
209	0.06	0.13	0.0	5,5,0	0.0	0.0	0.0	0,0,0
210	0.04	0.09	0.0	5,5,0	0.0	0.0	0.0	0,0,0
211	0.04	0.09	0.0	5,5,0	0.0	0.0	0.0	0,0,0
212	0.03	0.07	0.0	5,5,0	0.0	0.0	0.0	0,0,0

213	0.04	0.09	0.0	5,5,0	0.0	0.0	0.0	0,0,0
214	0.04	0.10	0.0	5,5,0	0.0	0.0	0.0	0,0,0
215	0.06	0.13	0.0	5,5,0	0.0	0.0	0.0	0,0,0
216	0.04	0.10	0.0	5,5,0	0.0	0.0	0.0	0,0,0
217	0.03	0.07	0.0	6,6,0	0.0	0.0	0.0	0,0,0
218	0.03	0.06	0.0	6,6,0	0.0	0.0	0.0	0,0,0
219	0.03	0.08	0.0	6,6,0	0.0	0.0	0.0	0,0,0
220	0.02	0.05	0.0	6,6,0	0.0	0.0	0.0	0,0,0
221	0.03	0.07	0.0	6,6,0	0.0	0.0	0.0	0,0,0
222	0.03	0.07	0.0	6,6,0	0.0	0.0	0.0	0,0,0
223	0.03	0.08	0.0	6,6,0	0.0	0.0	0.0	0,0,0
224	0.03	0.07	0.0	6,6,0	0.0	0.0	0.0	0,0,0
225	0.03	0.08	0.0	5,5,0	0.0	0.0	0.0	0,0,0
226	0.03	0.07	0.0	5,5,0	0.0	0.0	0.0	0,0,0
227	0.03	0.07	0.0	5,5,0	0.0	0.0	0.0	0,0,0
228	0.02	0.05	0.0	5,5,0	0.0	0.0	0.0	0,0,0
229	0.03	0.07	0.0	5,5,0	0.0	0.0	0.0	0,0,0
230	0.03	0.07	0.0	5,5,0	0.0	0.0	0.0	0,0,0
231	0.03	0.08	0.0	5,5,0	0.0	0.0	0.0	0,0,0
232	0.03	0.07	0.0	5,5,0	0.0	0.0	0.0	0,0,0
233	0.02	0.05	0.0	6,6,0	0.0	0.0	0.0	0,0,0
234	0.02	0.05	0.0	8,6,0	0.0	0.0	0.0	0,0,0
235	0.02	0.06	0.0	6,6,0	0.0	0.0	0.0	0,0,0
236	0.01	0.04	0.0	6,6,0	0.0	0.0	0.0	0,0,0
237	0.02	0.05	0.0	6,6,0	0.0	0.0	0.0	0,0,0
238	0.02	0.06	0.0	6,6,0	0.0	0.0	0.0	0,0,0
239	0.02	0.06	0.0	6,6,0	0.0	0.0	0.0	0,0,0
240	0.02	0.06	0.0	6,6,0	0.0	0.0	0.0	0,0,0
241	0.03	0.07	0.0	8,8,0	0.0	0.0	0.0	0,0,0
242	0.01	0.03	0.0	5,5,0	0.0	0.0	0.0	0,0,0
243	0.03	0.08	0.0	8,8,0	0.0	0.0	0.0	0,0,0
244	0.03	0.08	0.0	8,8,0	0.0	0.0	0.0	0,0,0
245	0.03	0.08	0.0	8,8,0	0.0	0.0	0.0	0,0,0
246	0.03	0.07	0.0	8,8,0	0.0	0.0	0.0	0,0,0
247	0.03	0.07	0.0	5,5,0	0.0	0.0	0.0	0,0,0
248	0.02	0.05	0.0	6,6,0	0.0	0.0	0.0	0,0,0
249	0.02	0.05	0.0	5,5,0	0.0	0.0	0.0	0,0,0
250	0.01	0.04	0.0	6,6,0	0.0	0.0	0.0	0,0,0
251	0.02	0.05	0.0	7,7,0	0.0	0.0	0.0	0,0,0
252	0.03	0.08	0.0	6,6,0	0.0	0.0	0.0	0,0,0
253	0.04	0.09	0.0	5,5,0	0.0	0.0	0.0	0,0,0
254	0.04	0.11	0.0	7,7,0	0.0	0.0	0.0	0,0,0
255	0.04	0.11	0.0	7,7,0	0.0	0.0	0.0	0,0,0
256	0.03	0.09	0.0	6,6,0	0.0	0.0	0.0	0,0,0
257	0.04	0.09	0.0	5,5,0	0.0	0.0	0.0	0,0,0
258	0.03	0.06	0.0	6,6,0	0.0	0.0	0.0	0,0,0
259	0.03	0.07	0.0	5,5,0	0.0	0.0	0.0	0,0,0
260	0.02	0.05	0.0	7,6,0	0.0	0.0	0.0	0,0,0
261	9.78e-03	0.02	0.0	7,7,0	0.0	0.0	0.0	0,0,0
262	9.78e-03	0.02	0.0	8,8,0	0.0	0.0	0.0	0,0,0
263	0.02	0.04	0.0	8,5,0	0.0	0.0	0.0	0,0,0
264	0.02	0.04	0.0	8,5,0	0.0	0.0	0.0	0,0,0
265	0.02	0.05	0.0	8,5,0	0.0	0.0	0.0	0,0,0
266	0.02	0.05	0.0	5,5,0	0.0	0.0	0.0	0,0,0
267	0.02	0.05	0.0	5,5,0	0.0	0.0	0.0	0,0,0
268	0.02	0.05	0.0	7,5,0	0.0	0.0	0.0	0,0,0

269	0.02	0.04	0.0	7,5,0	0.0	0.0	0.0	0,0,0
270	0.02	0.04	0.0	7,5,0	0.0	0.0	0.0	0,0,0
271	9.89e-03	0.02	0.0	7,7,0	0.0	0.0	0.0	0,0,0
272	9.89e-03	0.02	0.0	8,8,0	0.0	0.0	0.0	0,0,0
273	0.02	0.04	0.0	6,6,0	0.0	0.0	0.0	0,0,0
274	0.02	0.05	0.0	6,6,0	0.0	0.0	0.0	0,0,0
275	0.02	0.05	0.0	6,6,0	0.0	0.0	0.0	0,0,0
276	0.02	0.06	0.0	6,6,0	0.0	0.0	0.0	0,0,0
277	0.02	0.06	0.0	6,6,0	0.0	0.0	0.0	0,0,0
278	0.02	0.05	0.0	6,6,0	0.0	0.0	0.0	0,0,0
279	0.02	0.05	0.0	6,6,0	0.0	0.0	0.0	0,0,0
280	0.02	0.04	0.0	6,6,0	0.0	0.0	0.0	0,0,0
281	6.51e-03	0.02	0.0	5,5,0	0.0	0.0	0.0	0,0,0
282	7.93e-03	0.02	0.0	6,6,0	0.0	0.0	0.0	0,0,0
283	0.01	0.03	0.0	6,6,0	0.0	0.0	0.0	0,0,0
284	0.02	0.05	0.0	6,7,0	0.0	0.0	0.0	0,0,0
285	0.02	0.07	0.0	7,7,0	0.0	0.0	0.0	0,0,0
286	0.03	0.07	0.0	7,7,0	0.0	0.0	0.0	0,0,0
287	0.03	0.08	0.0	7,7,0	0.0	0.0	0.0	0,0,0
288	0.03	0.08	0.0	7,7,0	0.0	0.0	0.0	0,0,0
289	0.03	0.07	0.0	7,7,0	0.0	0.0	0.0	0,0,0
290	0.02	0.06	0.0	5,7,0	0.0	0.0	0.0	0,0,0
291	0.02	0.05	0.0	5,5,0	0.0	0.0	0.0	0,0,0
292	0.01	0.03	0.0	5,5,0	0.0	0.0	0.0	0,0,0
293	6.51e-03	0.02	0.0	5,5,0	0.0	0.0	0.0	0,0,0
294	7.93e-03	0.02	0.0	6,6,0	0.0	0.0	0.0	0,0,0
295	0.01	0.03	0.0	6,6,0	0.0	0.0	0.0	0,0,0
296	0.02	0.05	0.0	6,8,0	0.0	0.0	0.0	0,0,0
297	0.02	0.07	0.0	8,8,0	0.0	0.0	0.0	0,0,0
298	0.03	0.07	0.0	8,8,0	0.0	0.0	0.0	0,0,0
299	0.03	0.08	0.0	8,8,0	0.0	0.0	0.0	0,0,0
300	0.03	0.08	0.0	8,8,0	0.0	0.0	0.0	0,0,0
301	0.03	0.07	0.0	8,8,0	0.0	0.0	0.0	0,0,0
302	0.02	0.06	0.0	5,8,0	0.0	0.0	0.0	0,0,0
303	0.02	0.05	0.0	5,5,0	0.0	0.0	0.0	0,0,0
304	0.01	0.03	0.0	5,5,0	0.0	0.0	0.0	0,0,0
305	3.33e-03	9.05e-03	0.0	8,8,0	0.0	0.0	0.0	0,0,0
306	3.33e-03	9.05e-03	0.0	7,7,0	0.0	0.0	0.0	0,0,0
307	8.06e-03	0.02	0.0	8,8,0	0.0	0.0	0.0	0,0,0
308	0.01	0.04	0.0	8,5,0	0.0	0.0	0.0	0,0,0
309	0.01	0.04	0.0	5,5,0	0.0	0.0	0.0	0,0,0
310	0.02	0.05	0.0	5,5,0	0.0	0.0	0.0	0,0,0
311	0.02	0.05	0.0	5,5,0	0.0	0.0	0.0	0,0,0
312	0.02	0.05	0.0	5,5,0	0.0	0.0	0.0	0,0,0
313	0.02	0.05	0.0	5,5,0	0.0	0.0	0.0	0,0,0
314	0.01	0.04	0.0	5,5,0	0.0	0.0	0.0	0,0,0
315	0.01	0.04	0.0	7,5,0	0.0	0.0	0.0	0,0,0
316	8.06e-03	0.02	0.0	7,7,0	0.0	0.0	0.0	0,0,0
317	4.03e-03	0.01	0.0	7,7,0	0.0	0.0	0.0	0,0,0
318	4.03e-03	0.01	0.0	8,8,0	0.0	0.0	0.0	0,0,0
319	8.91e-03	0.02	0.0	8,8,0	0.0	0.0	0.0	0,0,0
320	0.02	0.04	0.0	6,6,0	0.0	0.0	0.0	0,0,0
321	0.02	0.05	0.0	6,6,0	0.0	0.0	0.0	0,0,0
322	0.02	0.05	0.0	6,6,0	0.0	0.0	0.0	0,0,0
323	0.02	0.06	0.0	6,6,0	0.0	0.0	0.0	0,0,0
324	0.02	0.06	0.0	6,6,0	0.0	0.0	0.0	0,0,0

325	0.02	0.05	0.0	6,6,0	0.0	0.0	0.0	0,0,0
326	0.02	0.05	0.0	6,6,0	0.0	0.0	0.0	0,0,0
327	0.02	0.04	0.0	6,6,0	0.0	0.0	0.0	0,0,0
328	8.91e-03	0.02	0.0	7,7,0	0.0	0.0	0.0	0,0,0

Guscio	**rRfck**	**rRfyk**	**rPfck**		**wR**	**wF**	**wP**	
	0.06	0.17	0.0		0.0	0.0	0.0	

STATO LIMITE D' ESERCIZIO: SLD DANNO SISMICO

LEGENDA TABELLA STATI LIMITE DI DANNO (VERIFICHE RES)

Le verifiche RES per SLD sono effettuate in accordo alle Norme Tecniche 17 Gennaio 2018 e alla circolare n.7 del 21 gennaio 2019 nonché alle linee guida del Consiglio Superiore LL.PP. "Linee guida per la Progettazione, l'Esecuzione ed il Collaudo di Interventi di Rinforzo di strutture di c.a., c.a.p. e murarie mediante FRP".

Le verifiche RES per SLD, sono riportate nelle successive tabelle nella forma di rapporto "domanda" su "capacità" e hanno esito positivo quando il rapporto è non superiore al valore unitario.

La "domanda" è ottenuta direttamente dall'analisi per le previste combinazioni SLD (NTC18 2.5.3. COMBINAZIONI DELLE AZIONI formula [2.5.5]).

Per "capacità" si intende qui il valore della sollecitazione corrispondente al raggiungimento dello stato limite di danno per la sezione: per la resistenza flessionale questo stato limite si identifica con la tensione di snervamento dell'acciaio o la resistenza massima a compressione per il calcestruzzo e la muratura. Lo stato limite di danno si ritiene attinto anche in caso di superamento della resistenza a taglio.

Le resistenze flessionali sono valutate utilizzando i legami costitutivi del materiale limitati al solo tratto elastico, ottenendo così resistenze sostanzialmente elastiche come previsto dalla norma.

La seguente tabella identifica per quali configurazioni (materiale nuovo, esistente, con rinforzi e metodo di analisi) sono state condotte le verifiche di seguito riportate.

Configurazione	Verifica SLD	NOTE
1) c.a. nuovo e esist. Verifica SLU con q>1	Verifica N/M SE Verifica V/T	Sono verifiche per struttura non dissipativa condotte secondo il cap.4 NTC18 in regime sostanzialmente elastico; si verificano travi,pilastri, setti e gusci.
2) Muratura nuova Verifica SLU con q>1	Verifica N/M SE Verifica V	Per N/M identificato SL elastico, per V formulazione secondo cap.7
3) Muratura esis. AO Verifica SLU con q>1	Verifica N/M SE Verifica V	Per N/M identificato SL elastico, per V formulazione secondo cap. 7 e 8
4) Muratura esis. PO Verifica SLU con q>1	Verifica N/M SE Verifica V	Per N/M identificato SL elastico, per V formulazione secondo cap. 7 e 8; Anche per rinforzi FRP è prevista verifica N/M SE e V

Simbologia adottata nelle tabelle di verifica

Per le verifiche agli SLD di pilastri, travi setti e gusci in *c.a*. è presente una tabella con i simboli di seguito descritti:

Pilas./Trave/ Setto/Guscio	numero identificativo dell'elemento D2 o D3
Stato	Codici relativi all'esito delle verifiche effettuate appresso descritte
Pos.	Posizione nell'elemento della sezione per la quale si riporta la verifica
V N/M	Verifica a pressoflessione con rapporto Ed/Rd: valore minore o uguale a 1 per verifica positiva
V V/T cls	Verifica a taglio/torsione con rapporto Ved/Vrd lato cls: valore minore o uguale a 1 per verifica positiva
V V/T acc	Verifica a taglio/torsione con rapporto Ved/Vrd lato acciaio: valore minore o uguale a 1 per verifica positiva
Rif. cmb.	Riferimento combinazioni da cui si generano le verifiche più gravose per il pilastro

Per le verifiche agli SLD di maschi e fasce in *muratura*. è presente una tabella con i simboli di seguito descritti:

Setto/Fascia/Elem.	numero del macroelemento (D3) o elemento (D2) considerato	
Mat.	Materiale	
s=,m=	Indice della sezione e del materiale assegnati all' elemento (per D2)	
Spessore	spessore dell'elemento	
Stato	***ok***	elemento verificato (SLD)
	NV	elemento non verificato (SLD)

e a seguire:

Nodo/Pos.	numero del nodo appartenente al setto / posizione relativa al nodo I per D2
h0/t	valore della snellezza convenzionale
P/Ap	tensione verticale media utilizzata per la verifica a pressoflessione nel piano del muro
P/Acv	tensione verticale media nella parte compressa, utilizzata nella verifica a taglio nel piano del muro
Ver. Mp	rapporto tra il momento di progetto e il momento Mrd in relazione alla verifica Par. 7.8.2.2.1 (pressoflessione complanare) effettuato per tutte le combinazioni
Ver. V	rapporto il taglio di progetto e il taglio ultimo in relazione alla verifica Par. 7.8.2.2.2 (taglio complanare) o C8.7.1.16 della circolare 21-01-19 per edifici esistenti effettuato per tutte le combinazioni (solo per elementi maschi)
Ver. V	rapporto tra il taglio di progetto e il minore dei tagli resistenti Vp e Vt in relazione alla verifica del par. 7.8.2.2.3 (solo per elementi fasce)
Rif. cmb	Combinazioni in cui si hanno i massimi valori dei rapporti Ver. Mp, Ver. V

Per elementi consolidati secondo il paragrafo C8.5.3.1 il programma opera come per gli elementi non rinforzati, considerando ai fini delle analisi e delle verifiche gli opportuni coefficienti correttivi delle rigidezze e delle resistenze.

Per elementi consolidati con FRP il programma implementa le verifiche previste dalle "Linee guida per la Progettazione, l'Esecuzione ed il Collaudo di Interventi di Rinforzo di strutture di c.a., c.a.p. e murarie mediante FRP" approvate dal CSLLPP il 24/07/2009.

Per elementi consolidati con FRCM il programma implementa le verifiche previste dalle CNR-DT 215/2018 *"Istruzioni per la Progettazione, l'Esecuzione ed il Controllo di Interventi di Consolidamento Statico mediante l'utilizzo di Compositi Fibrorinforzati a Matrice Inorganica"*

Per semplicità la simbologia adottata nelle tabelle è uniformata a quella degli elementi non rinforzati.

Le tabelle riportano inoltre i seguenti parametri:

Fibra	Tipo di fibra del fibrorinforzo
E fibra	Modulo elastico del fibrorinforzo
epsr	Dilatazione di rottura del fibrorinforzo
epsd	Dilatazione di calcolo
epsd(s)	Dilatazione di calcolo per combinazioni sismiche
Spess.	Spessore del fibrorinforzo, il programma prevede l' applicazione di uno strato di spessore s su entrambe le facce della parete (o sui quattro lati della sezione in caso di confinamento)
AO fib.	Area orizzontale complessiva di fibrorinforzo per metro lineare
AV fib.	Area verticale complessiva di fibrorinforzo per metro lineare

Affinché l'elemento sia verificato deve essere:

Ver. Mp, Ver.V	non superiore a 1

TABELLA VERIFICHE ELEMENTI D3 GUSCI C.A.

Guscio	Stato	Nodo	V N/M	V V/T cls	V V/T acc	Rif. cmb	Nodo	V N/M	V V/T cls	V V/T acc	Rif. cmb
1	ok	248	0.03	0.0	0.0	50,0,0	141	0.03	0.0	0.0	50,0,0
		89	0.03	0.0	0.0	50,0,0	249	0.04	0.0	0.0	50,0,0
66	ok	156	0.06	0.0	0.0	56,0,0	5	0.06	0.0	0.0	54,0,0
		91	0.05	0.0	0.0	69,0,0	8	0.06	0.0	0.0	69,0,0
67	ok	154	0.05	0.0	0.0	46,0,0	10	0.06	0.0	0.0	46,0,0
		92	0.06	0.0	0.0	46,0,0	88	0.05	0.0	0.0	46,0,0
68	ok	260	0.05	0.0	0.0	67,0,0	259	0.04	0.0	0.0	67,0,0
		104	0.05	0.0	0.0	51,0,0	108	0.05	0.0	0.0	51,0,0
70	ok	88	0.05	0.0	0.0	46,0,0	92	0.06	0.0	0.0	46,0,0
		96	0.05	0.0	0.0	46,0,0	97	0.05	0.0	0.0	46,0,0
72	ok	261	0.02	0.0	0.0	56,0,0	256	0.01	0.0	0.0	66,0,0
		82	0.03	0.0	0.0	50,0,0	250	0.03	0.0	0.0	50,0,0
73	ok	251	0.03	0.0	0.0	56,0,0	157	0.03	0.0	0.0	56,0,0
		81	0.03	0.0	0.0	56,0,0	252	0.03	0.0	0.0	56,0,0
75	ok	263	0.05	0.0	0.0	57,0,0	262	0.05	0.0	0.0	58,0,0
		114	0.05	0.0	0.0	60,0,0	117	0.05	0.0	0.0	60,0,0
78	ok	188	0.04	0.0	0.0	46,0,0	88	0.05	0.0	0.0	46,0,0
		97	0.05	0.0	0.0	46,0,0	189	0.04	0.0	0.0	46,0,0
79	ok	262	0.05	0.0	0.0	67,0,0	260	0.05	0.0	0.0	67,0,0
		108	0.05	0.0	0.0	67,0,0	114	0.05	0.0	0.0	67,0,0
82	ok	264	0.05	0.0	0.0	58,0,0	263	0.05	0.0	0.0	58,0,0
		117	0.05	0.0	0.0	44,0,0	83	0.05	0.0	0.0	44,0,0
83	ok	91	0.05	0.0	0.0	53,0,0	158	0.05	0.0	0.0	53,0,0

		103	0.05	0.0	0.0	53,0,0	93	0.05	0.0	0.0	53,0,0
84	ok	92	0.05	0.0	0.0	62,0,0	8	0.06	0.0	0.0	62,0,0
		100	0.06	0.0	0.0	62,0,0	96	0.05	0.0	0.0	64,0,0
85	ok	8	0.06	0.0	0.0	69,0,0	91	0.05	0.0	0.0	69,0,0
		93	0.05	0.0	0.0	69,0,0	100	0.06	0.0	0.0	69,0,0
86	ok	265	0.04	0.0	0.0	60,0,0	264	0.05	0.0	0.0	58,0,0
		83	0.05	0.0	0.0	44,0,0	190	0.04	0.0	0.0	44,0,0
98	ok	268	0.02	0.0	0.0	50,0,0	258	0.01	0.0	0.0	72,0,0
		110	9.66e-03	0.0	0.0	53,0,0	246	0.02	0.0	0.0	53,0,0
103	ok	222	0.04	0.0	0.0	47,0,0	146	0.05	0.0	0.0	44,0,0
		12	0.06	0.0	0.0	47,0,0	223	0.04	0.0	0.0	41,0,0
104	ok	270	0.04	0.0	0.0	46,0,0	269	0.04	0.0	0.0	46,0,0
		116	0.04	0.0	0.0	64,0,0	224	0.04	0.0	0.0	64,0,0
107	ok	18	0.06	0.0	0.0	51,0,0	142	0.05	0.0	0.0	51,0,0
		20	0.06	0.0	0.0	50,0,0	127	0.06	0.0	0.0	51,0,0
108	ok	272	0.05	0.0	0.0	69,0,0	271	0.04	0.0	0.0	69,0,0
		122	0.04	0.0	0.0	69,0,0	128	0.04	0.0	0.0	69,0,0
109	ok	14	0.06	0.0	0.0	41,0,0	148	0.06	0.0	0.0	41,0,0
		124	0.06	0.0	0.0	42,0,0	130	0.05	0.0	0.0	44,0,0
110	ok	274	0.05	0.0	0.0	64,0,0	273	0.05	0.0	0.0	64,0,0
		125	0.05	0.0	0.0	64,0,0	131	0.05	0.0	0.0	69,0,0
111	ok	148	0.06	0.0	0.0	50,0,0	18	0.06	0.0	0.0	52,0,0
		127	0.05	0.0	0.0	51,0,0	124	0.06	0.0	0.0	52,0,0
112	ok	273	0.05	0.0	0.0	69,0,0	272	0.05	0.0	0.0	69,0,0
		128	0.04	0.0	0.0	69,0,0	125	0.05	0.0	0.0	69,0,0
113	ok	146	0.05	0.0	0.0	44,0,0	14	0.06	0.0	0.0	44,0,0
		130	0.06	0.0	0.0	44,0,0	12	0.06	0.0	0.0	41,0,0
114	ok	269	0.05	0.0	0.0	64,0,0	274	0.05	0.0	0.0	64,0,0
		131	0.05	0.0	0.0	64,0,0	116	0.04	0.0	0.0	64,0,0
115	ok	250	0.03	0.0	0.0	50,0,0	82	0.03	0.0	0.0	50,0,0
		132	0.03	0.0	0.0	50,0,0	253	0.03	0.0	0.0	50,0,0
118	ok	190	0.04	0.0	0.0	44,0,0	83	0.05	0.0	0.0	44,0,0
		137	0.05	0.0	0.0	44,0,0	225	0.04	0.0	0.0	44,0,0
120	ok	108	0.05	0.0	0.0	51,0,0	104	0.05	0.0	0.0	51,0,0
		133	0.05	0.0	0.0	51,0,0	139	0.05	0.0	0.0	51,0,0
121	ok	117	0.05	0.0	0.0	58,0,0	114	0.06	0.0	0.0	60,0,0
		16	0.06	0.0	0.0	60,0,0	140	0.05	0.0	0.0	60,0,0
122	ok	114	0.06	0.0	0.0	67,0,0	108	0.05	0.0	0.0	67,0,0
		139	0.05	0.0	0.0	67,0,0	16	0.06	0.0	0.0	67,0,0
123	ok	83	0.05	0.0	0.0	44,0,0	117	0.05	0.0	0.0	44,0,0
		140	0.06	0.0	0.0	44,0,0	137	0.05	0.0	0.0	44,0,0
124	ok	253	0.03	0.0	0.0	50,0,0	132	0.03	0.0	0.0	50,0,0
		141	0.03	0.0	0.0	50,0,0	248	0.03	0.0	0.0	50,0,0
127	ok	225	0.04	0.0	0.0	44,0,0	137	0.05	0.0	0.0	44,0,0
		146	0.05	0.0	0.0	44,0,0	222	0.04	0.0	0.0	44,0,0
129	ok	139	0.06	0.0	0.0	51,0,0	133	0.05	0.0	0.0	51,0,0
		142	0.05	0.0	0.0	51,0,0	18	0.06	0.0	0.0	51,0,0
130	ok	140	0.05	0.0	0.0	60,0,0	16	0.06	0.0	0.0	60,0,0
		148	0.06	0.0	0.0	41,0,0	14	0.06	0.0	0.0	41,0,0
131	ok	16	0.06	0.0	0.0	67,0,0	139	0.05	0.0	0.0	67,0,0
		18	0.06	0.0	0.0	52,0,0	148	0.06	0.0	0.0	50,0,0
132	ok	137	0.05	0.0	0.0	44,0,0	140	0.06	0.0	0.0	44,0,0
		14	0.06	0.0	0.0	44,0,0	146	0.05	0.0	0.0	44,0,0
133	ok	249	0.04	0.0	0.0	56,0,0	89	0.03	0.0	0.0	56,0,0
		149	0.03	0.0	0.0	56,0,0	254	0.03	0.0	0.0	56,0,0
136	ok	223	0.04	0.0	0.0	47,0,0	12	0.06	0.0	0.0	41,0,0

		154	0.05	0.0	0.0	46,0,0	226	0.04	0.0	0.0	41,0,0
138	ok	127	0.06	0.0	0.0	53,0,0	20	0.06	0.0	0.0	56,0,0
		150	0.05	0.0	0.0	53,0,0	5	0.06	0.0	0.0	53,0,0
139	ok	130	0.05	0.0	0.0	46,0,0	124	0.06	0.0	0.0	48,0,0
		156	0.06	0.0	0.0	47,0,0	10	0.06	0.0	0.0	47,0,0
140	ok	124	0.06	0.0	0.0	54,0,0	127	0.05	0.0	0.0	53,0,0
		5	0.06	0.0	0.0	54,0,0	156	0.06	0.0	0.0	56,0,0
141	ok	12	0.06	0.0	0.0	47,0,0	130	0.06	0.0	0.0	46,0,0
		10	0.06	0.0	0.0	46,0,0	154	0.05	0.0	0.0	46,0,0
142	ok	254	0.03	0.0	0.0	56,0,0	149	0.03	0.0	0.0	56,0,0
		157	0.03	0.0	0.0	56,0,0	251	0.03	0.0	0.0	56,0,0
145	ok	226	0.04	0.0	0.0	46,0,0	154	0.05	0.0	0.0	46,0,0
		88	0.05	0.0	0.0	46,0,0	188	0.04	0.0	0.0	46,0,0
147	ok	5	0.06	0.0	0.0	53,0,0	150	0.05	0.0	0.0	53,0,0
		158	0.05	0.0	0.0	53,0,0	91	0.06	0.0	0.0	53,0,0
148	ok	10	0.06	0.0	0.0	47,0,0	156	0.06	0.0	0.0	47,0,0
		8	0.06	0.0	0.0	62,0,0	92	0.05	0.0	0.0	62,0,0
209	ok	142	0.05	0.0	0.0	51,0,0	42	0.04	0.0	0.0	56,0,0
		43	0.04	0.0	0.0	50,0,0	20	0.05	0.0	0.0	56,0,0
210	ok	259	0.04	0.0	0.0	51,0,0	266	0.03	0.0	0.0	51,0,0
		77	0.04	0.0	0.0	51,0,0	104	0.05	0.0	0.0	51,0,0
211	ok	158	0.05	0.0	0.0	53,0,0	183	0.04	0.0	0.0	53,0,0
		184	0.04	0.0	0.0	53,0,0	103	0.05	0.0	0.0	53,0,0
212	ok	271	0.04	0.0	0.0	53,0,0	275	0.03	0.0	0.0	53,0,0
		185	0.03	0.0	0.0	69,0,0	122	0.04	0.0	0.0	69,0,0
213	ok	104	0.05	0.0	0.0	51,0,0	77	0.04	0.0	0.0	51,0,0
		186	0.04	0.0	0.0	51,0,0	133	0.05	0.0	0.0	51,0,0
214	ok	133	0.05	0.0	0.0	51,0,0	186	0.04	0.0	0.0	56,0,0
		42	0.04	0.0	0.0	56,0,0	142	0.05	0.0	0.0	51,0,0
215	ok	20	0.05	0.0	0.0	50,0,0	43	0.04	0.0	0.0	56,0,0
		187	0.04	0.0	0.0	50,0,0	150	0.05	0.0	0.0	53,0,0
216	ok	150	0.05	0.0	0.0	53,0,0	187	0.04	0.0	0.0	50,0,0
		183	0.04	0.0	0.0	50,0,0	158	0.05	0.0	0.0	53,0,0
217	ok	237	0.03	0.0	0.0	47,0,0	188	0.04	0.0	0.0	41,0,0
		189	0.04	0.0	0.0	46,0,0	238	0.03	0.0	0.0	47,0,0
218	ok	267	0.03	0.0	0.0	44,0,0	265	0.04	0.0	0.0	44,0,0
		190	0.04	0.0	0.0	44,0,0	239	0.03	0.0	0.0	57,0,0
219	ok	240	0.04	0.0	0.0	41,0,0	222	0.04	0.0	0.0	47,0,0
		223	0.04	0.0	0.0	41,0,0	241	0.04	0.0	0.0	41,0,0
220	ok	276	0.03	0.0	0.0	46,0,0	270	0.04	0.0	0.0	46,0,0
		224	0.03	0.0	0.0	62,0,0	242	0.02	0.0	0.0	62,0,0
221	ok	239	0.03	0.0	0.0	41,0,0	190	0.04	0.0	0.0	44,0,0
		225	0.04	0.0	0.0	47,0,0	243	0.03	0.0	0.0	41,0,0
222	ok	243	0.03	0.0	0.0	41,0,0	225	0.04	0.0	0.0	47,0,0
		222	0.04	0.0	0.0	44,0,0	240	0.04	0.0	0.0	41,0,0
223	ok	241	0.04	0.0	0.0	47,0,0	223	0.04	0.0	0.0	47,0,0
		226	0.04	0.0	0.0	41,0,0	244	0.04	0.0	0.0	47,0,0
224	ok	244	0.04	0.0	0.0	47,0,0	226	0.04	0.0	0.0	46,0,0
		188	0.04	0.0	0.0	41,0,0	237	0.03	0.0	0.0	47,0,0
225	ok	42	0.04	0.0	0.0	56,0,0	248	0.03	0.0	0.0	56,0,0
		249	0.04	0.0	0.0	50,0,0	43	0.04	0.0	0.0	50,0,0
226	ok	266	0.03	0.0	0.0	51,0,0	261	0.02	0.0	0.0	51,0,0
		250	0.03	0.0	0.0	50,0,0	77	0.04	0.0	0.0	56,0,0
227	ok	183	0.04	0.0	0.0	50,0,0	251	0.03	0.0	0.0	56,0,0
		252	0.03	0.0	0.0	56,0,0	184	0.04	0.0	0.0	50,0,0
228	ok	275	0.03	0.0	0.0	53,0,0	268	0.02	0.0	0.0	53,0,0

		246	0.02	0.0	0.0	53,0,0	185	0.03	0.0	0.0	53,0,0
229	ok	77	0.04	0.0	0.0	56,0,0	250	0.03	0.0	0.0	50,0,0
		253	0.03	0.0	0.0	50,0,0	186	0.04	0.0	0.0	56,0,0
230	ok	186	0.04	0.0	0.0	56,0,0	253	0.03	0.0	0.0	52,0,0
		248	0.03	0.0	0.0	52,0,0	42	0.04	0.0	0.0	56,0,0
231	ok	43	0.04	0.0	0.0	56,0,0	249	0.04	0.0	0.0	56,0,0
		254	0.03	0.0	0.0	50,0,0	187	0.04	0.0	0.0	50,0,0
232	ok	187	0.04	0.0	0.0	50,0,0	254	0.03	0.0	0.0	54,0,0
		251	0.03	0.0	0.0	54,0,0	183	0.04	0.0	0.0	50,0,0
233	ok	90	0.03	0.0	0.0	47,0,0	237	0.03	0.0	0.0	47,0,0
		238	0.03	0.0	0.0	47,0,0	101	0.03	0.0	0.0	47,0,0
234	ok	255	0.02	0.0	0.0	41,0,0	267	0.02	0.0	0.0	44,0,0
		239	0.03	0.0	0.0	57,0,0	84	0.03	0.0	0.0	41,0,0
235	ok	147	0.03	0.0	0.0	41,0,0	240	0.04	0.0	0.0	41,0,0
		241	0.04	0.0	0.0	41,0,0	107	0.04	0.0	0.0	41,0,0
236	ok	257	0.02	0.0	0.0	47,0,0	276	0.02	0.0	0.0	46,0,0
		242	0.02	0.0	0.0	46,0,0	2	0.01	0.0	0.0	46,0,0
237	ok	84	0.03	0.0	0.0	41,0,0	239	0.03	0.0	0.0	41,0,0
		243	0.03	0.0	0.0	41,0,0	138	0.03	0.0	0.0	41,0,0
238	ok	138	0.03	0.0	0.0	41,0,0	243	0.03	0.0	0.0	41,0,0
		240	0.04	0.0	0.0	41,0,0	147	0.03	0.0	0.0	41,0,0
239	ok	107	0.04	0.0	0.0	47,0,0	241	0.04	0.0	0.0	47,0,0
		244	0.04	0.0	0.0	47,0,0	155	0.03	0.0	0.0	47,0,0
240	ok	155	0.03	0.0	0.0	47,0,0	244	0.04	0.0	0.0	47,0,0
		237	0.03	0.0	0.0	47,0,0	90	0.03	0.0	0.0	47,0,0
241	ok	126	0.04	0.0	0.0	67,0,0	121	0.04	0.0	0.0	67,0,0
		259	0.04	0.0	0.0	67,0,0	260	0.05	0.0	0.0	67,0,0
242	ok	247	0.02	0.0	0.0	51,0,0	109	9.66e-03	0.0	0.0	51,0,0
		256	0.01	0.0	0.0	66,0,0	261	0.02	0.0	0.0	56,0,0
243	ok	129	0.05	0.0	0.0	67,0,0	123	0.05	0.0	0.0	58,0,0
		262	0.05	0.0	0.0	58,0,0	263	0.05	0.0	0.0	58,0,0
244	ok	123	0.05	0.0	0.0	67,0,0	126	0.04	0.0	0.0	67,0,0
		260	0.05	0.0	0.0	67,0,0	262	0.05	0.0	0.0	67,0,0
245	ok	115	0.04	0.0	0.0	58,0,0	129	0.05	0.0	0.0	58,0,0
		263	0.05	0.0	0.0	58,0,0	264	0.05	0.0	0.0	58,0,0
246	ok	228	0.04	0.0	0.0	58,0,0	115	0.04	0.0	0.0	58,0,0
		264	0.04	0.0	0.0	44,0,0	265	0.04	0.0	0.0	44,0,0
247	ok	121	0.04	0.0	0.0	67,0,0	227	0.03	0.0	0.0	67,0,0
		266	0.03	0.0	0.0	51,0,0	259	0.04	0.0	0.0	51,0,0
248	ok	245	0.02	0.0	0.0	60,0,0	228	0.03	0.0	0.0	60,0,0
		265	0.04	0.0	0.0	44,0,0	267	0.03	0.0	0.0	44,0,0
249	ok	227	0.03	0.0	0.0	51,0,0	247	0.02	0.0	0.0	51,0,0
		261	0.02	0.0	0.0	51,0,0	266	0.03	0.0	0.0	51,0,0
250	ok	1	0.01	0.0	0.0	44,0,0	245	0.02	0.0	0.0	44,0,0
		267	0.02	0.0	0.0	44,0,0	255	0.02	0.0	0.0	41,0,0
251	ok	252	0.03	0.0	0.0	56,0,0	81	0.03	0.0	0.0	56,0,0
		258	0.01	0.0	0.0	72,0,0	268	0.02	0.0	0.0	50,0,0
252	ok	189	0.04	0.0	0.0	46,0,0	97	0.05	0.0	0.0	46,0,0
		269	0.05	0.0	0.0	64,0,0	270	0.04	0.0	0.0	62,0,0
253	ok	93	0.05	0.0	0.0	53,0,0	103	0.05	0.0	0.0	53,0,0
		271	0.04	0.0	0.0	69,0,0	272	0.05	0.0	0.0	69,0,0
254	ok	96	0.05	0.0	0.0	62,0,0	100	0.05	0.0	0.0	62,0,0
		273	0.05	0.0	0.0	64,0,0	274	0.05	0.0	0.0	63,0,0
255	ok	100	0.05	0.0	0.0	69,0,0	93	0.05	0.0	0.0	69,0,0
		272	0.05	0.0	0.0	69,0,0	273	0.05	0.0	0.0	69,0,0
256	ok	97	0.05	0.0	0.0	46,0,0	96	0.05	0.0	0.0	46,0,0

		274	0.05	0.0	0.0	64,0,0	269	0.05	0.0	0.0	64,0,0
257	ok	103	0.05	0.0	0.0	53,0,0	184	0.04	0.0	0.0	53,0,0
		275	0.03	0.0	0.0	53,0,0	271	0.04	0.0	0.0	53,0,0
258	ok	238	0.03	0.0	0.0	63,0,0	189	0.04	0.0	0.0	46,0,0
		270	0.04	0.0	0.0	46,0,0	276	0.03	0.0	0.0	46,0,0
259	ok	184	0.04	0.0	0.0	50,0,0	252	0.03	0.0	0.0	56,0,0
		268	0.02	0.0	0.0	53,0,0	275	0.03	0.0	0.0	53,0,0
260	ok	101	0.03	0.0	0.0	47,0,0	238	0.03	0.0	0.0	63,0,0
		276	0.02	0.0	0.0	46,0,0	257	0.02	0.0	0.0	47,0,0
261	ok	258	0.01	0.0	0.0	72,0,0	287	0.01	0.0	0.0	51,0,0
		278	3.65e-03	0.0	0.0	70,0,0	110	9.08e-03	0.0	0.0	50,0,0
262	ok	109	9.08e-03	0.0	0.0	56,0,0	277	3.65e-03	0.0	0.0	68,0,0
		286	0.01	0.0	0.0	53,0,0	256	0.01	0.0	0.0	66,0,0
263	ok	256	0.01	0.0	0.0	66,0,0	286	0.01	0.0	0.0	50,0,0
		280	0.02	0.0	0.0	50,0,0	82	0.03	0.0	0.0	50,0,0
264	ok	82	0.03	0.0	0.0	50,0,0	280	0.02	0.0	0.0	50,0,0
		282	0.03	0.0	0.0	50,0,0	132	0.03	0.0	0.0	50,0,0
265	ok	132	0.03	0.0	0.0	50,0,0	282	0.03	0.0	0.0	50,0,0
		283	0.03	0.0	0.0	50,0,0	141	0.03	0.0	0.0	50,0,0
266	ok	141	0.03	0.0	0.0	50,0,0	283	0.03	0.0	0.0	50,0,0
		281	0.03	0.0	0.0	50,0,0	89	0.03	0.0	0.0	50,0,0
267	ok	89	0.03	0.0	0.0	56,0,0	281	0.03	0.0	0.0	56,0,0
		284	0.03	0.0	0.0	56,0,0	149	0.03	0.0	0.0	56,0,0
268	ok	149	0.03	0.0	0.0	56,0,0	284	0.03	0.0	0.0	56,0,0
		285	0.03	0.0	0.0	56,0,0	157	0.03	0.0	0.0	56,0,0
269	ok	157	0.03	0.0	0.0	56,0,0	285	0.03	0.0	0.0	56,0,0
		279	0.02	0.0	0.0	56,0,0	81	0.03	0.0	0.0	56,0,0
270	ok	81	0.03	0.0	0.0	56,0,0	279	0.02	0.0	0.0	56,0,0
		287	0.01	0.0	0.0	56,0,0	258	0.01	0.0	0.0	72,0,0
271	ok	298	0.02	0.0	0.0	47,0,0	257	0.02	0.0	0.0	63,0,0
		2	0.01	0.0	0.0	46,0,0	289	7.33e-03	0.0	0.0	47,0,0
272	ok	288	7.33e-03	0.0	0.0	41,0,0	1	0.01	0.0	0.0	44,0,0
		255	0.02	0.0	0.0	57,0,0	297	0.02	0.0	0.0	41,0,0
273	ok	297	0.02	0.0	0.0	41,0,0	255	0.02	0.0	0.0	57,0,0
		84	0.03	0.0	0.0	41,0,0	290	0.03	0.0	0.0	41,0,0
274	ok	290	0.03	0.0	0.0	41,0,0	84	0.03	0.0	0.0	41,0,0
		138	0.03	0.0	0.0	41,0,0	294	0.03	0.0	0.0	41,0,0
275	ok	294	0.03	0.0	0.0	41,0,0	138	0.03	0.0	0.0	41,0,0
		147	0.03	0.0	0.0	41,0,0	295	0.03	0.0	0.0	41,0,0
276	ok	295	0.03	0.0	0.0	41,0,0	147	0.03	0.0	0.0	41,0,0
		107	0.04	0.0	0.0	41,0,0	293	0.03	0.0	0.0	41,0,0
277	ok	293	0.03	0.0	0.0	47,0,0	107	0.04	0.0	0.0	47,0,0
		155	0.03	0.0	0.0	47,0,0	296	0.03	0.0	0.0	47,0,0
278	ok	296	0.03	0.0	0.0	47,0,0	155	0.03	0.0	0.0	47,0,0
		90	0.03	0.0	0.0	47,0,0	291	0.03	0.0	0.0	47,0,0
279	ok	291	0.03	0.0	0.0	47,0,0	90	0.03	0.0	0.0	47,0,0
		101	0.03	0.0	0.0	47,0,0	292	0.03	0.0	0.0	47,0,0
280	ok	292	0.03	0.0	0.0	47,0,0	101	0.03	0.0	0.0	47,0,0
		257	0.02	0.0	0.0	63,0,0	298	0.02	0.0	0.0	47,0,0
281	ok	110	9.25e-03	0.0	0.0	50,0,0	278	2.75e-03	0.0	0.0	69,0,0
		300	2.76e-03	0.0	0.0	50,0,0	302	8.33e-03	0.0	0.0	66,0,0
282	ok	289	6.70e-03	0.0	0.0	46,0,0	2	0.01	0.0	0.0	46,0,0
		301	0.01	0.0	0.0	46,0,0	299	4.90e-03	0.0	0.0	46,0,0
283	ok	2	0.01	0.0	0.0	46,0,0	242	0.02	0.0	0.0	46,0,0
		310	0.02	0.0	0.0	46,0,0	301	0.01	0.0	0.0	46,0,0
284	ok	242	0.02	0.0	0.0	46,0,0	224	0.03	0.0	0.0	62,0,0

		309	0.03	0.0	0.0	62,0,0	310	0.02	0.0	0.0	62,0,0
285	ok	224	0.04	0.0	0.0	64,0,0	116	0.04	0.0	0.0	64,0,0
		303	0.04	0.0	0.0	64,0,0	309	0.03	0.0	0.0	64,0,0
286	ok	116	0.04	0.0	0.0	64,0,0	131	0.05	0.0	0.0	64,0,0
		307	0.04	0.0	0.0	64,0,0	303	0.04	0.0	0.0	64,0,0
287	ok	131	0.05	0.0	0.0	71,0,0	125	0.05	0.0	0.0	64,0,0
		305	0.05	0.0	0.0	71,0,0	307	0.04	0.0	0.0	63,0,0
288	ok	125	0.05	0.0	0.0	69,0,0	128	0.04	0.0	0.0	69,0,0
		306	0.04	0.0	0.0	69,0,0	305	0.05	0.0	0.0	69,0,0
289	ok	128	0.04	0.0	0.0	69,0,0	122	0.04	0.0	0.0	69,0,0
		304	0.04	0.0	0.0	69,0,0	306	0.04	0.0	0.0	69,0,0
290	ok	122	0.04	0.0	0.0	69,0,0	185	0.03	0.0	0.0	69,0,0
		308	0.03	0.0	0.0	69,0,0	304	0.04	0.0	0.0	69,0,0
291	ok	185	0.03	0.0	0.0	53,0,0	246	0.02	0.0	0.0	53,0,0
		311	0.02	0.0	0.0	53,0,0	308	0.03	0.0	0.0	53,0,0
292	ok	246	0.02	0.0	0.0	53,0,0	110	9.35e-03	0.0	0.0	53,0,0
		302	8.98e-03	0.0	0.0	53,0,0	311	0.02	0.0	0.0	50,0,0
293	ok	315	8.33e-03	0.0	0.0	72,0,0	313	2.76e-03	0.0	0.0	56,0,0
		277	2.75e-03	0.0	0.0	67,0,0	109	9.25e-03	0.0	0.0	56,0,0
294	ok	312	4.90e-03	0.0	0.0	44,0,0	314	0.01	0.0	0.0	44,0,0
		1	0.01	0.0	0.0	44,0,0	288	6.70e-03	0.0	0.0	44,0,0
295	ok	314	0.01	0.0	0.0	44,0,0	323	0.02	0.0	0.0	44,0,0
		245	0.02	0.0	0.0	44,0,0	1	0.01	0.0	0.0	44,0,0
296	ok	323	0.02	0.0	0.0	60,0,0	322	0.03	0.0	0.0	60,0,0
		228	0.03	0.0	0.0	60,0,0	245	0.02	0.0	0.0	44,0,0
297	ok	322	0.03	0.0	0.0	58,0,0	316	0.04	0.0	0.0	58,0,0
		115	0.04	0.0	0.0	58,0,0	228	0.04	0.0	0.0	58,0,0
298	ok	316	0.04	0.0	0.0	58,0,0	320	0.04	0.0	0.0	58,0,0
		129	0.05	0.0	0.0	58,0,0	115	0.04	0.0	0.0	58,0,0
299	ok	320	0.04	0.0	0.0	57,0,0	318	0.05	0.0	0.0	65,0,0
		123	0.05	0.0	0.0	58,0,0	129	0.05	0.0	0.0	65,0,0
300	ok	318	0.05	0.0	0.0	67,0,0	319	0.04	0.0	0.0	67,0,0
		126	0.04	0.0	0.0	67,0,0	123	0.05	0.0	0.0	67,0,0
301	ok	319	0.04	0.0	0.0	67,0,0	317	0.04	0.0	0.0	67,0,0
		121	0.04	0.0	0.0	67,0,0	126	0.04	0.0	0.0	67,0,0
302	ok	317	0.04	0.0	0.0	67,0,0	321	0.03	0.0	0.0	67,0,0
		227	0.03	0.0	0.0	67,0,0	121	0.04	0.0	0.0	67,0,0
303	ok	321	0.03	0.0	0.0	51,0,0	324	0.02	0.0	0.0	51,0,0
		247	0.02	0.0	0.0	51,0,0	227	0.03	0.0	0.0	51,0,0
304	ok	324	0.02	0.0	0.0	56,0,0	315	8.98e-03	0.0	0.0	51,0,0
		109	9.35e-03	0.0	0.0	51,0,0	247	0.02	0.0	0.0	51,0,0
305	ok	278	3.36e-03	0.0	0.0	71,0,0	328	2.66e-03	0.0	0.0	67,0,0
		326	1.11e-03	0.0	0.0	70,0,0	300	2.51e-03	0.0	0.0	66,0,0
306	ok	313	2.51e-03	0.0	0.0	72,0,0	325	1.11e-03	0.0	0.0	68,0,0
		327	2.66e-03	0.0	0.0	69,0,0	277	3.36e-03	0.0	0.0	65,0,0
307	ok	277	3.21e-03	0.0	0.0	66,0,0	327	3.14e-03	0.0	0.0	50,0,0
		336	0.01	0.0	0.0	53,0,0	286	0.01	0.0	0.0	50,0,0
308	ok	286	0.01	0.0	0.0	50,0,0	336	0.01	0.0	0.0	50,0,0
		330	0.02	0.0	0.0	50,0,0	280	0.02	0.0	0.0	50,0,0
309	ok	280	0.02	0.0	0.0	50,0,0	330	0.02	0.0	0.0	50,0,0
		332	0.03	0.0	0.0	50,0,0	282	0.03	0.0	0.0	50,0,0
310	ok	282	0.03	0.0	0.0	50,0,0	332	0.03	0.0	0.0	50,0,0
		333	0.03	0.0	0.0	50,0,0	283	0.03	0.0	0.0	50,0,0
311	ok	283	0.03	0.0	0.0	50,0,0	333	0.03	0.0	0.0	50,0,0
		331	0.03	0.0	0.0	50,0,0	281	0.03	0.0	0.0	50,0,0
312	ok	281	0.03	0.0	0.0	56,0,0	331	0.03	0.0	0.0	56,0,0

		334	0.03	0.0	0.0	56,0,0	284	0.03	0.0	0.0	56,0,0
313	ok	284	0.03	0.0	0.0	56,0,0	334	0.03	0.0	0.0	56,0,0
		335	0.03	0.0	0.0	56,0,0	285	0.03	0.0	0.0	56,0,0
314	ok	285	0.03	0.0	0.0	56,0,0	335	0.03	0.0	0.0	56,0,0
		329	0.02	0.0	0.0	56,0,0	279	0.02	0.0	0.0	56,0,0
315	ok	279	0.02	0.0	0.0	56,0,0	329	0.02	0.0	0.0	56,0,0
		337	0.01	0.0	0.0	56,0,0	287	0.01	0.0	0.0	56,0,0
316	ok	287	0.01	0.0	0.0	56,0,0	337	0.01	0.0	0.0	51,0,0
		328	3.14e-03	0.0	0.0	56,0,0	278	3.21e-03	0.0	0.0	72,0,0
317	ok	341	3.72e-03	0.0	0.0	44,0,0	289	7.79e-03	0.0	0.0	64,0,0
		299	4.55e-03	0.0	0.0	46,0,0	338	2.86e-03	0.0	0.0	47,0,0
318	ok	339	2.86e-03	0.0	0.0	41,0,0	312	4.55e-03	0.0	0.0	44,0,0
		288	7.79e-03	0.0	0.0	58,0,0	340	3.72e-03	0.0	0.0	46,0,0
319	ok	340	4.61e-03	0.0	0.0	41,0,0	288	7.23e-03	0.0	0.0	57,0,0
		297	0.02	0.0	0.0	57,0,0	349	0.01	0.0	0.0	41,0,0
320	ok	349	0.01	0.0	0.0	41,0,0	297	0.02	0.0	0.0	41,0,0
		290	0.03	0.0	0.0	41,0,0	342	0.03	0.0	0.0	41,0,0
321	ok	342	0.03	0.0	0.0	41,0,0	290	0.03	0.0	0.0	41,0,0
		294	0.03	0.0	0.0	41,0,0	346	0.03	0.0	0.0	41,0,0
322	ok	346	0.03	0.0	0.0	41,0,0	294	0.03	0.0	0.0	41,0,0
		295	0.03	0.0	0.0	41,0,0	347	0.03	0.0	0.0	41,0,0
323	ok	347	0.03	0.0	0.0	41,0,0	295	0.03	0.0	0.0	41,0,0
		293	0.03	0.0	0.0	41,0,0	345	0.03	0.0	0.0	41,0,0
324	ok	345	0.03	0.0	0.0	47,0,0	293	0.03	0.0	0.0	47,0,0
		296	0.03	0.0	0.0	47,0,0	348	0.03	0.0	0.0	47,0,0
325	ok	348	0.03	0.0	0.0	47,0,0	296	0.03	0.0	0.0	47,0,0
		291	0.03	0.0	0.0	47,0,0	343	0.03	0.0	0.0	47,0,0
326	ok	343	0.03	0.0	0.0	47,0,0	291	0.03	0.0	0.0	47,0,0
		292	0.03	0.0	0.0	47,0,0	344	0.03	0.0	0.0	47,0,0
327	ok	344	0.03	0.0	0.0	47,0,0	292	0.03	0.0	0.0	47,0,0
		298	0.02	0.0	0.0	47,0,0	350	0.01	0.0	0.0	47,0,0
328	ok	350	0.01	0.0	0.0	47,0,0	298	0.02	0.0	0.0	63,0,0
		289	7.23e-03	0.0	0.0	63,0,0	341	4.61e-03	0.0	0.0	47,0,0

Guscio			**V N/M**	**V V/T cls**	**V V/T acc**			**V N/M**	**V V/T cls**	**V V/T acc**	
			0.06	0.0	0.0						