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MINISTERO DELL'AMBIENTE E DELLA SICUREZZA ENERGETICA

ENTE IDRICO CAMPANO

consac gestioni idriche spa

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 CASAL VELINO GIÀ LOCALITÀ OMIGNANO SCALO

PROGETTO DEFINITIVO

ELABORATO	Tabulato di calcolo Platea pressa a vite	SCALA
D-R-321-H50		-

RUP
Ing. Giovanna Ferro

Progettista
Ing. Angelo Cantatore

ORDINE DEGLI INGEGNERI DELLA PROVINCIA DI TRENTO
dott. ing. Angelo Cantatore
Ingegnere civile e ambientale, industriale e dell'informazione
Iscritto al N. 2532 d'Albo - Sezione A degli Ingegneri

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DATA
11/2023
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 15.131, Latitudine 40.177
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

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 15.131, Latitudine 40.177
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	NO

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

Informazioni sul codice di calcolo	
Titolo:	PRO_SAP PROfessional Structural Analysis Program
Versione:	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	224
elementi D2 (per aste, travi, pilastri…)	50
elementi D3 (per pareti, platee, gusci…)	170
elementi solaio	14
elementi solidi	0
Dimensione del modello strutturale [cm]:	
X min =	-60.00
Xmax =	1240.00
Ymin =	15.00
Ymax =	690.00
Zmin =	0.00
Zmax =	460.00
Strutture verticali:	
Elementi di tipo asta	NO
Pilastri	SI
Pareti	NO
Setti (a comportamento membranale)	NO
Strutture non verticali:	
Elementi di tipo asta	SI
Travi	SI
Gusci	SI

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

MODELLAZIONE DELLE AZIONI

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

COMBINAZIONI E/O PERCORSI DI CARICO

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

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

SLA (accidentale quale incendio)	NO

Principali risultati

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

Nella presente relazione di calcolo sono riportati i seguenti risultati che il progettista ritiene di interesse per la descrizione e la 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 FC m	Fattore di confidenza specifico per materiale; (è riportato solo se diverso da quello globale della struttura)
Fattore di confidenza FC a	Fattore di confidenza specifico per l'armatura (è riportato solo se diverso da quello globale della struttura)
Elasto-plastico	Materiale elastico perfettamente plastico per aste non lineari
Massima compressione	Massima tensione di compressione per aste non lineari
Massima trazione	Massima tensione di trazione per aste non lineari
Fattore attrito	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		
3	Calcestruzzo Classe C28/35			3.259e+05	0.20	1.358e+05	2.50e-03	1.00e-05	
	Resistenza Rc	350.0							
	Resistenza fctm		28.4						
	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
11	Acciaio Fe360 - S235-acciaio Fe360-S235			2.100e+06	0.30	8.077e+05	7.85e-03	1.20e-05	
	Tensione ft	3600.0							
	Resistenza fd	2350.0							
	Resistenza fd (>40)	2100.0							
	Tensione ammissibile	1600.0							
	Tensione ammissibile (>40)	1400.0							
	Rapporto HRDb								1.00e-05
	Rapporto HRDv								1.00e-05
157	Materiale inf. rigido no peso E = 1.000e+07-materiale E = 1.000e+07			1.000e+07	0.0	5.000e+06	0.0	1.20e-05	
	Rapporto HRDb								1.00e-05
	Rapporto HRDv								1.00e-05

Aste acc.	1/7/..	2/8/..	3/9/..	4/10/..	5/11/..	6/12/..
Generalità						
Beta assegnato	0.80	0.80				
Verifica come controvento	SI	NO				
Usa condizioni I e II	SI	SI				
Coefficiente gamma M0	1.05	1.05				
Coefficiente gamma M1	1.05	1.05				
Coefficiente gamma M2	1.25	1.25				

Pilastri acc.	1/7/..	2/8/..	3/9/..	4/10/..	5/11/..	6/12/..
Lunghezze libere						
Metodo di calcolo 2-2	Assegnato	Assegnato				
2-2 Beta assegnato	1.00	2.00				
2-2 Beta * L assegnato [cm]	0.0	0.0				
Metodo di calcolo 3-3	Assegnato	Assegnato				
3-3 Beta assegnato	1.00	2.00				
3-3 Beta * L assegnato [cm]	0.0	0.0				
1-1 Beta assegnato	1.00	1.00				
1-1 Beta * L assegnato [cm]	0.0	0.0				
Generalità						
Coefficiente gamma M0	1.05	1.05				

Pilastri acc.	1/7/..	2/8/..	3/9/..	4/10/..	5/11/..	6/12/..
Coefficiente gamma M1	1.05	1.05				
Coefficiente gamma M2	1.25	1.25				
Effetti del 2 ordine	SI	SI				
Momenti equivalenti	SI	SI				
Usa condizioni I e II	SI	SI				

Travi acc.	1/7/..	2/8/..	3/9/..	4/10/..	5/11/..	6/12/..
Lunghezze libere						
3-3 Beta * L automatico	NO	SI				
3-3 Beta assegnato	1.00	1.00				
3-3 Beta assegnato [cm]	0.0	0.0				
2-2 Beta * L automatico	NO	SI				
2-2 Beta assegnato	1.00	1.00				
2-2 Beta * L assegnato [cm]	0.0	0.0				
1-1 Beta * L automatico	NO	SI				
1-1 Beta assegnato	1.00	1.00				
1-1 Beta * L assegnato [cm]	0.0	0.0				
Generalità						
Coefficiente gamma M0	1.05	1.05				
Coefficiente gamma M1	1.05	1.05				
Coefficiente gamma M2	1.25	1.25				
Luce di taglio per GR [cm]	1.00	1.00				
Usa condizioni I e II	SI	SI				
Momenti equivalenti	SI	SI				

Gusci c.a.	1/7/..	2/8/..	3/9/..	4/10/..	5/11/..	6/12/..
Armatura						
Inclinazione Ax [gradi]	0.0	0.0				
Angolo Ax-Ay [gradi]	90.00	90.00				
Minima tesa	0.31	0.10				
Massima tesa	0.78	4.00				
Maglia unica centrale	NO	NO				
Copriferro [cm]	5.00	5.00				
Maglia x						
diametro	18	18				
passo	20	20				
diametro aggiuntivi	18	18				
Maglia y						
diametro	18	18				
passo	20	20				
diametro aggiuntivi	18	18				
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				

Gusci c.a.	1/7/..	2/8/..	3/9/..	4/10/..	5/11/..	6/12/..
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				

Solai e pannelli	1/7/..	2/8/..	3/9/..	4/10/..	5/11/..	6/12/..
Generalità						
Usa tensioni ammissibili	NO	NO				
Af inf: da traliccio	SI	SI				
Consenti armatura a taglio	NO	NO				
Incrementa armatura longitudinale per taglio	SI	SI				
Af inf: da q*L*L /	20.00	20.00				
Incremento fascia piena [cm]	5.00	5.00				
Armatura						
Minima tesa	0.15	0.15				
Massima tesa	3.00	3.00				
Minima compressa	0.0	0.0				
Af/h [cm]	7.000e-02	7.000e-02				
Stati limite ultimi						
Tensione fy [daN/cm2]	4500.00	4500.00				
Tipo acciaio	tipo C	tipo C				
Coefficiente gamma s	1.15	1.15				
Coefficiente gamma c	1.50	1.50				
Fattore di ridistribuzione	0.0	0.0				
Tensioni ammissibili						
Tensione amm. cls [daN/cm2]	85.00	85.00				
Tensione amm. acciaio [daN/cm2]	2600.00	2600.00				
Rapporto omogeneizzazione N	15.00	15.00				
Massimo rapporto area compressa/tesa	1.00	1.00				
Verifica freccia						
Infinita	250.00	250.00				
Istantanea	500.00	500.00				
Fattore viscosità	3.00	3.00				
Usa J non fessurato	NO	NO				
Elementi non strutturali						
Tamponatura antiespulsione	NO	NO				
Tamponatura con armatura	NO	NO				
Fattore di struttura/comportamento	2.00	2.00				
Coefficiente gamma m	0.0	0.0				
Periodo Ta	0.0	0.0				
Altezza pannello	0.0	0.0				

MODELLAZIONE DELLE SEZIONI

LEGENDA TABELLA DATI SEZIONI

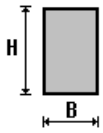
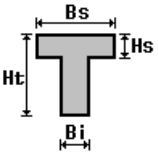
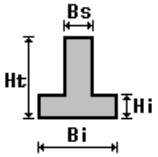
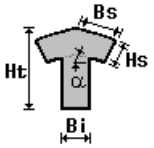
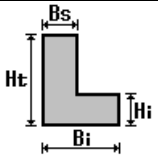
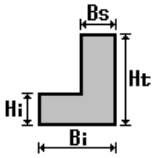
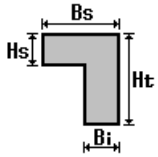
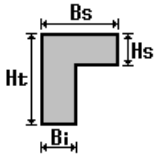
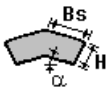
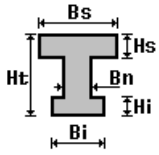
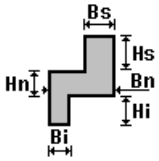
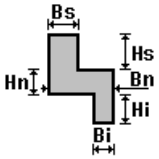
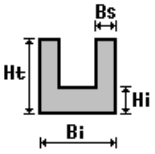
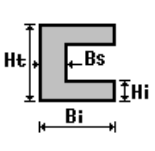
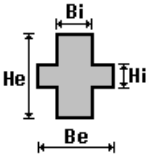
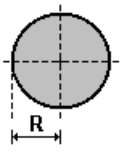
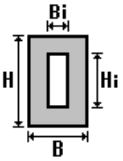
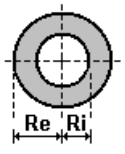
Il programma consente l'uso di sezioni diverse. Sono previsti i seguenti tipi di sezione:

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

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

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

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

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

Per quanto concerne i profilati semplici ed accoppiati l'asse 2 del riferimento coincide con l'asse x riportato nei più diffusi 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
1	Tub. 300x300x6 - Rettangolare cava: b=30 h=30 bi=28.8 hi=28.8	70.56	0.0	0.0	1.525e+04	1.017e+04	1.017e+04	677.94	677.94	778.03	778.03
2	Link rigido - Circolare: r=5	78.54	66.27	66.27	981.75	490.87	490.87	98.17	98.17	166.67	166.67
3	HEA 300 - Travi principali	112.50	0.0	0.0	85.20	6310.00	1.826e+04	420.60	1259.50	641.20	1383.30
4	IPE 300 - Travi secondarie	53.80	0.0	0.0	20.10	604.00	8356.00	80.50	557.10	125.20	628.40
5	Controventi - Circolare: r=1.5	7.07	5.96	5.96	7.95	3.98	3.98	2.65	2.65	4.50	4.50

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	461.7	280.0	395.0	2	461.7	545.0	0.0	5	791.7	280.0	395.0
6	15.0	545.0	330.0	7	461.7	15.0	460.0	8	1165.0	545.0	330.0
9	791.7	15.0	460.0	10	15.0	15.0	460.0	11	1165.0	280.0	395.0
12	1165.0	15.0	460.0	13	15.0	280.0	395.0	14	461.7	545.0	330.0
15	791.7	545.0	330.0	16	461.7	545.0	300.0	17	15.0	545.0	0.0

18	1165.0	545.0	0.0	20	791.7	545.0	0.0	22	791.7	545.0	300.0
23	-20.0	570.0	0.0	24	1200.0	570.0	0.0	25	-20.0	425.0	0.0
26	1200.0	425.0	0.0	27	-20.0	454.0	0.0	28	50.0	454.0	0.0
29	50.0	425.0	0.0	30	-20.0	483.0	0.0	31	50.0	483.0	0.0
32	-20.0	512.0	0.0	33	50.0	512.0	0.0	34	-20.0	545.0	0.0
35	50.0	545.0	0.0	36	50.0	570.0	0.0	37	110.0	454.0	0.0
38	110.0	425.0	0.0	39	110.0	483.0	0.0	40	110.0	512.0	0.0
41	110.0	545.0	0.0	42	110.0	570.0	0.0	43	170.0	447.0	0.0
44	170.0	425.0	0.0	45	170.0	483.0	0.0	46	170.0	527.0	0.0
47	170.0	545.0	0.0	48	170.0	570.0	0.0	49	250.0	440.0	0.0
50	250.0	425.0	0.0	51	230.0	483.0	0.0	52	230.0	512.0	0.0
53	230.0	545.0	0.0	54	230.0	570.0	0.0	55	300.0	440.0	0.0
56	300.0	425.0	0.0	57	290.0	483.0	0.0	58	300.0	527.0	0.0
59	290.0	545.0	0.0	60	290.0	570.0	0.0	61	350.0	454.0	0.0
62	350.0	425.0	0.0	63	350.0	483.0	0.0	64	350.0	512.0	0.0
65	350.0	545.0	0.0	66	350.0	570.0	0.0	67	410.0	454.0	0.0
68	410.0	425.0	0.0	69	410.0	483.0	0.0	70	410.0	512.0	0.0
71	410.0	545.0	0.0	72	410.0	570.0	0.0	73	461.7	454.0	0.0
74	461.7	425.0	0.0	75	461.7	483.0	0.0	76	461.7	512.0	0.0
77	1165.0	512.0	0.0	78	461.7	570.0	0.0	79	530.0	454.0	0.0
80	530.0	425.0	0.0	81	530.0	483.0	0.0	82	530.0	512.0	0.0
83	530.0	545.0	0.0	84	530.0	570.0	0.0	85	590.0	454.0	0.0
86	590.0	425.0	0.0	87	590.0	483.0	0.0	88	590.0	512.0	0.0
89	590.0	545.0	0.0	90	590.0	570.0	0.0	91	650.0	454.0	0.0
92	650.0	425.0	0.0	93	650.0	483.0	0.0	94	650.0	512.0	0.0
95	650.0	545.0	0.0	96	650.0	570.0	0.0	97	710.0	454.0	0.0
98	710.0	425.0	0.0	99	710.0	483.0	0.0	100	710.0	512.0	0.0
101	710.0	545.0	0.0	102	710.0	570.0	0.0	103	791.7	454.0	0.0
104	791.7	425.0	0.0	105	791.7	483.0	0.0	106	791.7	512.0	0.0
107	1165.0	570.0	0.0	108	791.7	570.0	0.0	109	830.0	454.0	0.0
110	830.0	425.0	0.0	111	830.0	483.0	0.0	112	830.0	512.0	0.0
113	830.0	545.0	0.0	114	830.0	570.0	0.0	115	890.0	454.0	0.0
116	890.0	425.0	0.0	117	890.0	483.0	0.0	118	890.0	512.0	0.0
119	890.0	545.0	0.0	120	890.0	570.0	0.0	121	950.0	454.0	0.0
122	950.0	425.0	0.0	123	950.0	483.0	0.0	124	950.0	512.0	0.0
125	950.0	545.0	0.0	126	950.0	570.0	0.0	127	1010.0	454.0	0.0
128	1010.0	425.0	0.0	129	1010.0	483.0	0.0	130	1010.0	512.0	0.0
131	1010.0	545.0	0.0	132	1010.0	570.0	0.0	133	1070.0	454.0	0.0
134	1070.0	425.0	0.0	135	1070.0	483.0	0.0	136	1070.0	512.0	0.0
137	1070.0	545.0	0.0	138	1070.0	570.0	0.0	139	1130.0	454.0	0.0
140	1130.0	425.0	0.0	141	1130.0	483.0	0.0	142	1130.0	512.0	0.0
143	1130.0	545.0	0.0	144	1130.0	570.0	0.0	145	1200.0	454.0	0.0
146	1200.0	483.0	0.0	147	1200.0	512.0	0.0	148	1200.0	545.0	0.0
149	15.0	425.0	0.0	150	15.0	454.0	0.0	151	15.0	483.0	0.0
152	15.0	512.0	0.0	153	15.0	570.0	0.0	154	1165.0	425.0	0.0
155	1165.0	454.0	0.0	156	1165.0	483.0	0.0	157	235.0	487.0	110.0
158	170.0	447.0	110.0	159	170.0	527.0	110.0	160	300.0	527.0	110.0
161	300.0	447.0	110.0	162	300.0	447.0	0.0	163	-20.0	620.0	0.0
164	1200.0	620.0	0.0	165	50.0	620.0	0.0	166	110.0	620.0	0.0
167	170.0	620.0	0.0	168	230.0	620.0	0.0	169	290.0	620.0	0.0
170	350.0	620.0	0.0	171	410.0	620.0	0.0	172	461.7	620.0	0.0
173	530.0	620.0	0.0	174	590.0	620.0	0.0	175	650.0	620.0	0.0
176	710.0	620.0	0.0	177	1165.0	620.0	0.0	178	791.7	620.0	0.0
179	830.0	620.0	0.0	180	890.0	620.0	0.0	181	950.0	620.0	0.0
182	1010.0	620.0	0.0	183	1070.0	620.0	0.0	184	1130.0	620.0	0.0
185	15.0	620.0	0.0	186	15.0	690.0	0.0	187	-20.0	690.0	0.0

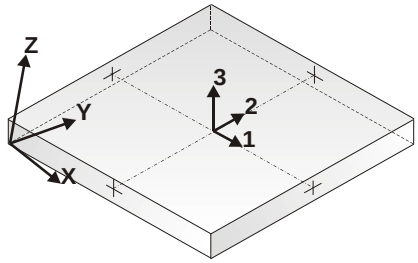
188	1200.0	690.0	0.0	189	50.0	690.0	0.0	190	110.0	690.0	0.0
191	170.0	690.0	0.0	192	230.0	690.0	0.0	193	290.0	690.0	0.0
194	350.0	690.0	0.0	195	410.0	690.0	0.0	196	461.7	690.0	0.0
197	530.0	690.0	0.0	198	590.0	690.0	0.0	199	650.0	690.0	0.0
200	710.0	690.0	0.0	201	1165.0	690.0	0.0	202	791.7	690.0	0.0
203	830.0	690.0	0.0	204	890.0	690.0	0.0	205	950.0	690.0	0.0
206	1010.0	690.0	0.0	207	1070.0	690.0	0.0	208	1130.0	690.0	0.0
209	-60.0	570.0	0.0	210	-60.0	425.0	0.0	211	-60.0	454.0	0.0
212	-60.0	483.0	0.0	213	-60.0	512.0	0.0	214	-60.0	545.0	0.0
215	-60.0	620.0	0.0	216	-60.0	690.0	0.0	217	1240.0	570.0	0.0
218	1240.0	425.0	0.0	219	1240.0	454.0	0.0	220	1240.0	483.0	0.0
221	1240.0	512.0	0.0	222	1240.0	545.0	0.0	223	1240.0	620.0	0.0
224	1240.0	690.0	0.0								

Nodo	**X**	**Y**	**Z**	**Note**	**Rig. TX**	**Rig. TY**	**Rig. TZ**	**Rig. RX**	**Rig. RY**	**Rig. RZ**
	cm	cm	cm		daN/cm	daN/cm	daN/cm	daN cm/rad	daN cm/rad	daN cm/rad
3	791.7	15.0	0.0	v=111111						
4	15.0	15.0	0.0	v=111111						
19	1165.0	15.0	0.0	v=111111						
21	461.7	15.0	0.0	v=111111						

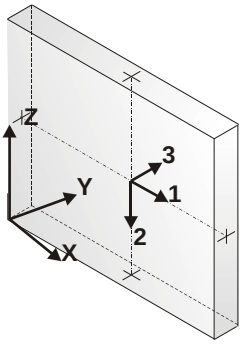
MODELLAZIONE STRUTTURA: ELEMENTI SHELL

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.	149	29	28	150	3	2	50.0		0.68	0.34
2	Guscio fond.	150	28	31	151	3	2	50.0		0.48	0.24
3	Guscio fond.	151	31	33	152	3	2	50.0		0.41	0.20
4	Guscio fond.	152	33	35	17	3	2	50.0		0.37	0.18
5	Guscio fond.	17	35	36	153	3	2	50.0		0.35	0.18
6	Guscio fond.	29	38	37	28	3	2	50.0		0.59	0.30
7	Guscio fond.	28	37	39	31	3	2	50.0		0.43	0.21
8	Guscio fond.	31	39	40	33	3	2	50.0		0.36	0.18
9	Guscio fond.	33	40	41	35	3	2	50.0		0.33	0.16
10	Guscio fond.	35	41	42	36	3	2	50.0		0.31	0.16
11	Guscio fond.	38	44	43	37	3	2	50.0		0.54	0.27
12	Guscio fond.	37	43	45	39	3	2	50.0		0.39	0.20
13	Guscio fond.	39	45	46	40	3	2	50.0		0.33	0.17
14	Guscio fond.	40	46	47	41	3	2	50.0		0.31	0.15
15	Guscio fond.	41	47	48	42	3	2	50.0		0.30	0.15
16	Guscio fond.	44	50	49	43	3	2	50.0		0.57	0.29
17	Guscio fond.	43	49	51	45	3	2	50.0		0.39	0.20
18	Guscio fond.	45	51	52	46	3	2	50.0		0.32	0.16
19	Guscio fond.	46	52	53	47	3	2	50.0		0.30	0.15
20	Guscio fond.	47	53	54	48	3	2	50.0		0.30	0.15
21	Guscio fond.	143	18	107	144	3	2	50.0		0.38	0.19
22	Guscio fond.	141	156	77	142	3	2	50.0		0.45	0.22
23	Guscio fond.	51	57	58	52	3	2	50.0		0.32	0.16
24	Guscio fond.	52	58	59	53	3	2	50.0		0.30	0.15
25	Guscio fond.	53	59	60	54	3	2	50.0		0.29	0.14
26	Guscio fond.	56	62	61	55	3	2	50.0		0.56	0.28
27	Guscio fond.	142	77	18	143	3	2	50.0		0.40	0.20
28	Guscio fond.	57	63	64	58	3	2	50.0		0.32	0.16
29	Guscio fond.	58	64	65	59	3	2	50.0		0.29	0.15
30	Guscio fond.	59	65	66	60	3	2	50.0		0.27	0.14
31	Guscio fond.	62	68	67	61	3	2	50.0		0.52	0.26
32	Guscio fond.	61	67	69	63	3	2	50.0		0.37	0.18
33	Guscio fond.	63	69	70	64	3	2	50.0		0.32	0.16
34	Guscio fond.	64	70	71	65	3	2	50.0		0.28	0.14
35	Guscio fond.	65	71	72	66	3	2	50.0		0.27	0.13
36	Guscio fond.	68	74	73	67	3	2	50.0		0.52	0.26
37	Guscio fond.	67	73	75	69	3	2	50.0		0.37	0.18
38	Guscio fond.	69	75	76	70	3	2	50.0		0.32	0.16
39	Guscio fond.	70	76	2	71	3	2	50.0		0.28	0.14
40	Guscio fond.	71	2	78	72	3	2	50.0		0.27	0.13
41	Guscio fond.	74	80	79	73	3	2	50.0		0.52	0.26
42	Guscio fond.	73	79	81	75	3	2	50.0		0.37	0.18
43	Guscio fond.	75	81	82	76	3	2	50.0		0.31	0.16
44	Guscio fond.	76	82	83	2	3	2	50.0		0.29	0.15
45	Guscio fond.	2	83	84	78	3	2	50.0		0.27	0.14
46	Guscio fond.	80	86	85	79	3	2	50.0		0.52	0.26
47	Guscio fond.	79	85	87	81	3	2	50.0		0.37	0.18
48	Guscio fond.	81	87	88	82	3	2	50.0		0.32	0.16
49	Guscio fond.	82	88	89	83	3	2	50.0		0.30	0.15
50	Guscio fond.	83	89	90	84	3	2	50.0		0.29	0.14
51	Guscio fond.	86	92	91	85	3	2	50.0		0.52	0.26
52	Guscio fond.	85	91	93	87	3	2	50.0		0.37	0.18

53Guscio fond.	87	93	94	88	3	2	50.0	0.32	0.16
54Guscio fond.	88	94	95	89	3	2	50.0	0.30	0.15
55Guscio fond.	89	95	96	90	3	2	50.0	0.30	0.15
56Guscio fond.	92	98	97	91	3	2	50.0	0.52	0.26
57Guscio fond.	91	97	99	93	3	2	50.0	0.37	0.18
58Guscio fond.	93	99	100	94	3	2	50.0	0.32	0.16
59Guscio fond.	94	100	101	95	3	2	50.0	0.30	0.15
60Guscio fond.	95	101	102	96	3	2	50.0	0.30	0.15
61Guscio fond.	98	104	103	97	3	2	50.0	0.52	0.26
62Guscio fond.	97	103	105	99	3	2	50.0	0.37	0.19
63Guscio fond.	99	105	106	100	3	2	50.0	0.32	0.16
64Guscio fond.	100	106	20	101	3	2	50.0	0.30	0.15
65Guscio fond.	101	20	108	102	3	2	50.0	0.30	0.15
66Guscio fond.	104	110	109	103	3	2	50.0	0.52	0.26
67Guscio fond.	103	109	111	105	3	2	50.0	0.37	0.19
68Guscio fond.	105	111	112	106	3	2	50.0	0.32	0.16
69Guscio fond.	106	112	113	20	3	2	50.0	0.30	0.15
70Guscio fond.	20	113	114	108	3	2	50.0	0.30	0.15
71Guscio fond.	110	116	115	109	3	2	50.0	0.53	0.26
72Guscio fond.	109	115	117	111	3	2	50.0	0.38	0.19
73Guscio fond.	111	117	118	112	3	2	50.0	0.33	0.16
74Guscio fond.	112	118	119	113	3	2	50.0	0.30	0.15
75Guscio fond.	113	119	120	114	3	2	50.0	0.30	0.15
76Guscio fond.	116	122	121	115	3	2	50.0	0.53	0.26
77Guscio fond.	115	121	123	117	3	2	50.0	0.40	0.20
78Guscio fond.	117	123	124	118	3	2	50.0	0.34	0.17
79Guscio fond.	118	124	125	119	3	2	50.0	0.31	0.15
80Guscio fond.	119	125	126	120	3	2	50.0	0.30	0.15
81Guscio fond.	122	128	127	121	3	2	50.0	0.58	0.29
82Guscio fond.	121	127	129	123	3	2	50.0	0.42	0.21
83Guscio fond.	123	129	130	124	3	2	50.0	0.34	0.17
84Guscio fond.	124	130	131	125	3	2	50.0	0.31	0.15
85Guscio fond.	125	131	132	126	3	2	50.0	0.30	0.15
86Guscio fond.	128	134	133	127	3	2	50.0	0.64	0.32
87Guscio fond.	127	133	135	129	3	2	50.0	0.44	0.22
88Guscio fond.	129	135	136	130	3	2	50.0	0.36	0.18
89Guscio fond.	130	136	137	131	3	2	50.0	0.33	0.17
90Guscio fond.	131	137	138	132	3	2	50.0	0.32	0.16
91Guscio fond.	134	140	139	133	3	2	50.0	0.66	0.33
92Guscio fond.	133	139	141	135	3	2	50.0	0.47	0.23
93Guscio fond.	135	141	142	136	3	2	50.0	0.40	0.20
94Guscio fond.	136	142	143	137	3	2	50.0	0.37	0.18
95Guscio fond.	137	143	144	138	3	2	50.0	0.35	0.17
96Guscio fond.	154	26	145	155	3	2	50.0	0.93	0.46
97Guscio fond.	155	145	146	156	3	2	50.0	0.63	0.32
98Guscio fond.	156	146	147	77	3	2	50.0	0.53	0.26
99Guscio fond.	77	147	148	18	3	2	50.0	0.47	0.23
100Guscio fond.	18	148	24	107	3	2	50.0	0.45	0.22
101Guscio fond.	25	149	150	27	3	2	50.0	0.81	0.40
102Guscio fond.	27	150	151	30	3	2	50.0	0.57	0.28
103Guscio fond.	30	151	152	32	3	2	50.0	0.48	0.24
104Guscio fond.	32	152	17	34	3	2	50.0	0.44	0.22
105Guscio fond.	34	17	153	23	3	2	50.0	0.43	0.22
106Guscio fond.	140	154	155	139	3	2	50.0	0.76	0.38
107Guscio fond.	139	155	156	141	3	2	50.0	0.53	0.27
108Guscio fond.	49	55	162		3	2	50.0	0.49	0.24

109	Guscio fond.	55	61	63	162	3	2	50.0	0.42	0.21
110	Guscio fond.	57	162	63		3	2	50.0	0.37	0.18
111	Guscio fond.	49	162	57	51	3	2	50.0	0.39	0.20
112	Guscio	158	161	160	159	157	1	220.0		
113	Guscio fond.	153	36	165	185	3	2	50.0	0.37	0.19
114	Guscio fond.	36	42	166	165	3	2	50.0	0.33	0.17
115	Guscio fond.	42	48	167	166	3	2	50.0	0.31	0.16
116	Guscio fond.	48	54	168	167	3	2	50.0	0.31	0.15
117	Guscio fond.	144	107	177	184	3	2	50.0	0.41	0.20
118	Guscio fond.	54	60	169	168	3	2	50.0	0.30	0.15
119	Guscio fond.	60	66	170	169	3	2	50.0	0.29	0.15
120	Guscio fond.	66	72	171	170	3	2	50.0	0.29	0.14
121	Guscio fond.	72	78	172	171	3	2	50.0	0.29	0.14
122	Guscio fond.	78	84	173	172	3	2	50.0	0.29	0.14
123	Guscio fond.	84	90	174	173	3	2	50.0	0.30	0.15
124	Guscio fond.	90	96	175	174	3	2	50.0	0.31	0.15
125	Guscio fond.	96	102	176	175	3	2	50.0	0.31	0.15
126	Guscio fond.	102	108	178	176	3	2	50.0	0.31	0.15
127	Guscio fond.	108	114	179	178	3	2	50.0	0.31	0.15
128	Guscio fond.	114	120	180	179	3	2	50.0	0.31	0.15
129	Guscio fond.	120	126	181	180	3	2	50.0	0.31	0.16
130	Guscio fond.	126	132	182	181	3	2	50.0	0.32	0.16
131	Guscio fond.	132	138	183	182	3	2	50.0	0.34	0.17
132	Guscio fond.	138	144	184	183	3	2	50.0	0.36	0.18
133	Guscio fond.	107	24	164	177	3	2	50.0	0.48	0.24
134	Guscio fond.	23	153	185	163	3	2	50.0	0.45	0.22
135	Guscio fond.	185	165	189	186	3	2	50.0	0.56	0.28
136	Guscio fond.	165	166	190	189	3	2	50.0	0.49	0.25
137	Guscio fond.	166	167	191	190	3	2	50.0	0.44	0.22
138	Guscio fond.	167	168	192	191	3	2	50.0	0.44	0.22
139	Guscio fond.	184	177	201	208	3	2	50.0	0.62	0.31
140	Guscio fond.	168	169	193	192	3	2	50.0	0.44	0.22
141	Guscio fond.	169	170	194	193	3	2	50.0	0.43	0.22
142	Guscio fond.	170	171	195	194	3	2	50.0	0.43	0.22
143	Guscio fond.	171	172	196	195	3	2	50.0	0.43	0.22
144	Guscio fond.	172	173	197	196	3	2	50.0	0.43	0.22
145	Guscio fond.	173	174	198	197	3	2	50.0	0.43	0.22
146	Guscio fond.	174	175	199	198	3	2	50.0	0.44	0.22
147	Guscio fond.	175	176	200	199	3	2	50.0	0.44	0.22
148	Guscio fond.	176	178	202	200	3	2	50.0	0.44	0.22
149	Guscio fond.	178	179	203	202	3	2	50.0	0.44	0.22
150	Guscio fond.	179	180	204	203	3	2	50.0	0.44	0.22
151	Guscio fond.	180	181	205	204	3	2	50.0	0.44	0.22
152	Guscio fond.	181	182	206	205	3	2	50.0	0.47	0.23
153	Guscio fond.	182	183	207	206	3	2	50.0	0.51	0.25
154	Guscio fond.	183	184	208	207	3	2	50.0	0.55	0.27
155	Guscio fond.	177	164	188	201	3	2	50.0	0.74	0.37
156	Guscio fond.	163	185	186	187	3	2	50.0	0.66	0.33
157	Guscio fond.	210	25	27	211	3	2	50.0	1.33	0.66
158	Guscio fond.	211	27	30	212	3	2	50.0	0.82	0.41
159	Guscio fond.	212	30	32	213	3	2	50.0	0.69	0.34
160	Guscio fond.	213	32	34	214	3	2	50.0	0.66	0.33
161	Guscio fond.	214	34	23	209	3	2	50.0	0.65	0.32
162	Guscio fond.	209	23	163	215	3	2	50.0	0.67	0.33
163	Guscio fond.	215	163	187	216	3	2	50.0	1.02	0.51
164	Guscio fond.	26	218	219	145	3	2	50.0	1.47	0.73

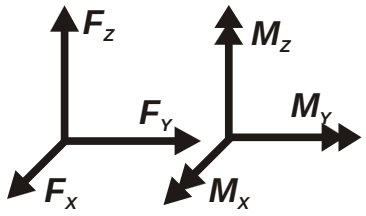
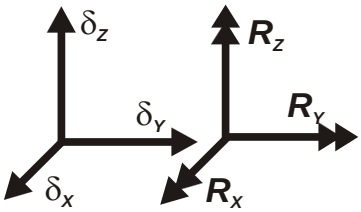
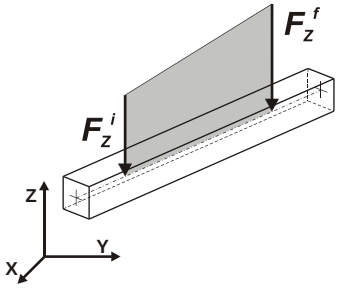
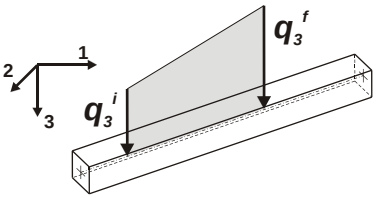
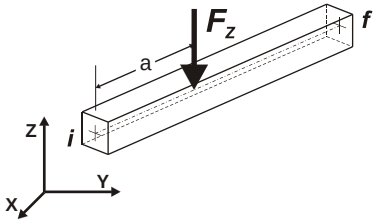
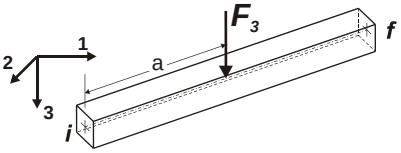
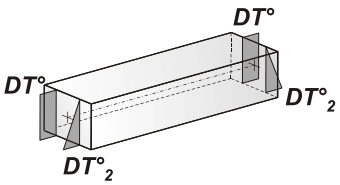
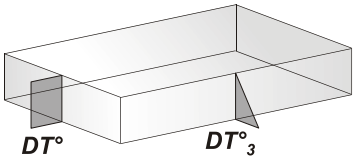
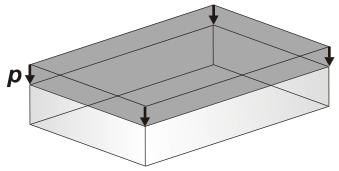
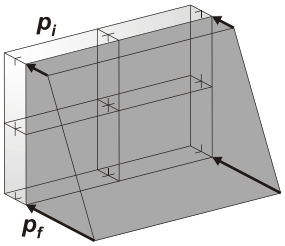
165Guscio fond.	145	219	220	146	3	2	50.0	0.99	0.49
166Guscio fond.	146	220	221	147	3	2	50.0	0.81	0.40
167Guscio fond.	147	221	222	148	3	2	50.0	0.70	0.35
168Guscio fond.	148	222	217	24	3	2	50.0	0.67	0.33
169Guscio fond.	24	217	223	164	3	2	50.0	0.71	0.36
170Guscio fond.	164	223	224	188	3	2	50.0	1.14	0.57

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 concentrato nodale

Id	Tipo	Fx	Fy	Fz	Mx	My	Mz
		kN	kN	kN	kN m	kN m	kN m
2	Peso polipreparatore - CN:Fz=-1000.00	0.0	0.0	-10.00	0.0	0.0	0.0

Tipo	carico variabile generale

Id	Tipo	ascissa	valore	ascissa	valore
		m	kN/ m2	m	kN/ m2
4	Vento X+ - QV:unif - Qx - Pres.				
	Unif. Qx Pres. L2=0.0		-0.34		
5	Vento X- - QV:unif - Qx - Pres.				
	Unif. Qx Pres. L2=0.0		-0.34		
6	Vento Y+ - QV:unif - Qx - Pres.				
	Unif. Qx Pres. L2=0.0		-0.34		
7	Vento Y- - QV:unif - Qx - Pres.				
	Unif. Qx Pres. L2=0.0		-0.34		

Tipo	gruppo di carichi con impronta su piastra

Id	Tipo	Ripet. X	Ripet. Y	Carico FZ	Centro X	Centro Y	dim. X	dim. Y	Passo X	Passo Y
				kN	m	m	m	m	m	m
3	Pompe fango - CGI:n. 2 FZ=-1.20	2	1	-1.20	7.90	4.02	0.47	1.50	0.67	0.0
8	Pompe polimeri - CGI:n. 2 FZ=-1.20	2	1	-1.20	0.51	4.60	0.27	0.60	0.45	0.0
9	Serbatoio IBC - CGI:n. 1 FZ=-10.00	1	1	-10.00	3.74	4.72	0.90	1.10	0.0	0.0

SCHEMATIZZAZIONE DEI CASI DI CARICO

LEGENDA TABELLA CASI DI CARICO

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

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

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

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

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

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

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

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

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

CDC	Tipo	Sigla Id	Note	Per non automatici:
1	Ggk	CDC=Ggk (peso proprio della struttura)		
2	Gsk	CDC=G1sk (permanente solai-coperture)		
3	Gsk	CDC=G2sk (permanente solai-coperture n.c.d.)		
4	Qsk	CDC=Qsk (variabile solai)		
5	Qnk	CDC=Qnk (carico da neve)		
6	Edk	CDC=Ed (dinamico SLU) alfa=0.0 (ecc. +)	partecipazione:1.00 per 1 CDC=Ggk (peso proprio della struttura)	
			partecipazione:1.00 per 2 CDC=G1sk (permanente solai-coperture)	
			partecipazione:1.00 per 3 CDC=G2sk (permanente solai-coperture n.c.d.)	
			partecipazione:1.00 per 4 CDC=Qsk (variabile solai)	
			partecipazione:1.00 per 5 CDC=Qnk (carico da neve)	
			partecipazione:1.00 per 14 CDC=G2k (permanente generico n.c.d.) peso macchinari	
7	Edk	CDC=Ed (dinamico SLU) alfa=0.0 (ecc. -)	come precedente CDC sismico	
8	Edk	CDC=Ed (dinamico SLU) alfa=90.00 (ecc. +)	come precedente CDC sismico	
9	Edk	CDC=Ed (dinamico SLU) alfa=90.00 (ecc. -)	come precedente CDC sismico	
10	Edk	CDC=Ed (dinamico SLD) alfa=0.0 (ecc. +)	come precedente CDC sismico	
11	Edk	CDC=Ed (dinamico SLD) alfa=0.0 (ecc. -)	come precedente CDC sismico	
12	Edk	CDC=Ed (dinamico SLD) alfa=90.00 (ecc. +)	come precedente CDC sismico	
13	Edk	CDC=Ed (dinamico SLD) alfa=90.00 (ecc. -)	come precedente CDC sismico	
14	Gk	CDC=G2k (permanente generico n.c.d.) peso macchinari	Azioni applicate:	Ad elementi:
			[2] Peso polipreparatore - CN:Fz=-1000.00	Nodi:
			[3] Pompe fango - CGI:n. 2 FZ=-1.20	D3: 1 # 4, 6 # 9, 11 # 14, 16 # 19, 22 # 24, 26 # 29, 31 # 34, 36 # 39, 41 # 44, 46 # 49, 51 # 54, 56 # 59, 61 # 64, 66 # 69, 71 # 74, 76 # 79, 81 # 84, 86 # 89, 91 # 94, 106 # 107, 111 # 112
			[8] Pompe polimeri - CGI:n. 2 FZ=-1.20	D3: 1 # 4, 6 # 9, 11 # 14, 16 # 19, 22 # 24, 26 # 29, 31 # 34, 36 # 39, 41 # 44, 46 # 49, 51 # 54, 56 # 59, 61 # 64, 66 # 69, 71 # 74, 76 # 79, 81 # 84, 86 # 89, 91 # 94, 106 # 107, 111 # 112
			[9] Serbatoio IBC - CGI:n. 1 FZ=-10.00	D3: 1 # 4, 6 # 9, 11 # 14, 16 # 19, 22 # 24, 26 # 29, 31 # 34, 36 # 39, 41 # 44, 46 # 49, 51 # 54, 56 # 59, 61 # 64, 66 # 69, 71 # 74, 76 # 79, 81 # 84, 86 # 89, 91 # 94, 106 # 107, 111 # 112
15	Qvk	CDC=Qvk (carico da vento) dir X +	Azioni applicate:	Ad elementi:
			[4] Vento X+ - QV:unif - Qx - Pres.	Pannelli: 11
16	Qvk	CDC=Qvk (carico da vento) dir X -	Azioni applicate:	Ad elementi:
			[5] Vento X- - QV:unif - Qx - Pres.	Pannelli: 11
17	Qvk	CDC=Qvk (carico da vento) dir Y +	Azioni applicate:	Ad elementi:
			[6] Vento Y+ - QV:unif - Qx - Pres.	Pannelli: 7 # 10, 12 # 13

CDC	Tipo	Sigla Id	Note	Per non automatici:
18	Qvk	CDC=Qvk (carico da vento) dir Y -	Azioni applicate:	Ad elementi:
			[7] Vento Y- - QV:unif - Qx - Pres.	Pannelli: 7 # 10, 12 # 13

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 neve Vx+	
2	SLU	SLU neve Vx-	
3	SLU	SLU neve Vy+	
4	SLU	SLU neve Vy-	
5	SLU	SLU Vx+	
6	SLU	SLU Vx-	
7	SLU	SLU Vy+	
8	SLU	SLU Vy-	
9	SLE(r)	SLE (rara) neve Vx+	
10	SLE(r)	SLE (rara) neve Vx-	
11	SLE(r)	SLE (rara) neve Vy+	
12	SLE(r)	SLE (rara) neve Vy-	
13	SLE(r)	SLE (rara) Vx+	
14	SLE(r)	SLE (rara) Vx-	
15	SLE(r)	SLE (rara) Vy+	
16	SLE(r)	SLE (rara) Vy-	
17	SLE(f)	SLE (freq) neve Vx+	
18	SLE(f)	SLE (freq) neve Vx-	
19	SLE(f)	SLE (freq) neve Vy+	
20	SLE(f)	SLE (freq) neve Vy-	
21	SLE(f)	SLE (freq) Vx+	
22	SLE(f)	SLE (freq) Vx-	
23	SLE(f)	SLE (freq) Vy+	
24	SLE(f)	SLE (freq) Vy-	
25	SLE(p)	SLE (qp)	
26	SLU	SLV_1_100X_30Y_ex+_ey+	
27	SLU	SLV_2_100X_30Y_ex+_ey-	
28	SLU	SLV_3_100X_30Y_ex-_ey+	

Cmb	Tipo	Sigla Id	effetto P-delta
29	SLU	SLV_4_100X_30Y_ex-_ey-	
30	SLU	SLV_5_100X_-30Y_ex+_ey+	
31	SLU	SLV_6_100X_-30Y_ex+_ey-	
32	SLU	SLV_7_100X_-30Y_ex-_ey+	
33	SLU	SLV_8_100X_-30Y_ex-_ey-	
34	SLU	SLV_9_-100X_30Y_ex+_ey+	
35	SLU	SLV_10_-100X_30Y_ex+_ey-	
36	SLU	SLV_11_-100X_30Y_ex-_ey+	
37	SLU	SLV_12_-100X_30Y_ex-_ey-	
38	SLU	SLV_13_-100X_-30Y_ex+_ey+	
39	SLU	SLV_14_-100X_-30Y_ex+_ey-	
40	SLU	SLV_15_-100X_-30Y_ex-_ey+	
41	SLU	SLV_16_-100X_-30Y_ex-_ey-	
42	SLU	SLV_17_30X_100Y_ex+_ey+	
43	SLU	SLV_18_30X_100Y_ex+_ey-	
44	SLU	SLV_19_30X_100Y_ex-_ey+	
45	SLU	SLV_20_30X_100Y_ex-_ey-	
46	SLU	SLV_21_30X_-100Y_ex+_ey+	
47	SLU	SLV_22_30X_-100Y_ex+_ey-	
48	SLU	SLV_23_30X_-100Y_ex-_ey+	
49	SLU	SLV_24_30X_-100Y_ex-_ey-	
50	SLU	SLV_25_-30X_100Y_ex+_ey+	
51	SLU	SLV_26_-30X_100Y_ex+_ey-	
52	SLU	SLV_27_-30X_100Y_ex-_ey+	
53	SLU	SLV_28_-30X_100Y_ex-_ey-	
54	SLU	SLV_29_-30X_-100Y_ex+_ey+	
55	SLU	SLV_30_-30X_-100Y_ex+_ey-	
56	SLU	SLV_31_-30X_-100Y_ex-_ey+	
57	SLU	SLV_32_-30X_-100Y_ex-_ey-	
58	SLE(sis)	SLD_1_100X_30Y_ex+_ey+	
59	SLE(sis)	SLD_2_100X_30Y_ex+_ey-	
60	SLE(sis)	SLD_3_100X_30Y_ex-_ey+	
61	SLE(sis)	SLD_4_100X_30Y_ex-_ey-	
62	SLE(sis)	SLD_5_100X_-30Y_ex+_ey+	
63	SLE(sis)	SLD_6_100X_-30Y_ex+_ey-	
64	SLE(sis)	SLD_7_100X_-30Y_ex-_ey+	
65	SLE(sis)	SLD_8_100X_-30Y_ex-_ey-	
66	SLE(sis)	SLD_9_-100X_30Y_ex+_ey+	
67	SLE(sis)	SLD_10_-100X_30Y_ex+_ey-	
68	SLE(sis)	SLD_11_-100X_30Y_ex-_ey+	
69	SLE(sis)	SLD_12_-100X_30Y_ex-_ey-	
70	SLE(sis)	SLD_13_-100X_-30Y_ex+_ey+	
71	SLE(sis)	SLD_14_-100X_-30Y_ex+_ey-	
72	SLE(sis)	SLD_15_-100X_-30Y_ex-_ey+	
73	SLE(sis)	SLD_16_-100X_-30Y_ex-_ey-	
74	SLE(sis)	SLD_17_30X_100Y_ex+_ey+	
75	SLE(sis)	SLD_18_30X_100Y_ex+_ey-	
76	SLE(sis)	SLD_19_30X_100Y_ex-_ey+	
77	SLE(sis)	SLD_20_30X_100Y_ex-_ey-	
78	SLE(sis)	SLD_21_30X_-100Y_ex+_ey+	
79	SLE(sis)	SLD_22_30X_-100Y_ex+_ey-	
80	SLE(sis)	SLD_23_30X_-100Y_ex-_ey+	
81	SLE(sis)	SLD_24_30X_-100Y_ex-_ey-	

Cmb	Tipo	Sigla Id	effetto P-delta
82	SLE(sis)	SLD_25_-30X_100Y_ex+_ey+	
83	SLE(sis)	SLD_26_-30X_100Y_ex+_ey-	
84	SLE(sis)	SLD_27_-30X_100Y_ex-_ey+	
85	SLE(sis)	SLD_28_-30X_100Y_ex-_ey-	
86	SLE(sis)	SLD_29_-30X_-100Y_ex+_ey+	
87	SLE(sis)	SLD_30_-30X_-100Y_ex+_ey-	
88	SLE(sis)	SLD_31_-30X_-100Y_ex-_ey+	
89	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	1.30	1.50	0.0	1.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.50
	0.90	0.0	0.0	0.0										
2	1.30	1.30	1.50	0.0	1.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.50
	0.0	0.90	0.0	0.0										
3	1.30	1.30	1.50	0.0	1.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.50
	0.0	0.0	0.90	0.0										
4	1.30	1.30	1.50	0.0	1.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.50
	0.0	0.0	0.0	0.90										
5	1.30	1.30	1.50	0.0	0.75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.50
	1.50	0.0	0.0	0.0										
6	1.30	1.30	1.50	0.0	0.75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.50
	0.0	1.50	0.0	0.0										
7	1.30	1.30	1.50	0.0	0.75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.50
	0.0	0.0	1.50	0.0										
8	1.30	1.30	1.50	0.0	0.75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.50
	0.0	0.0	0.0	1.50										
9	1.00	1.00	1.00	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00
	0.60	0.0	0.0	0.0										
10	1.00	1.00	1.00	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00
	0.0	0.60	0.0	0.0										
11	1.00	1.00	1.00	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00
	0.0	0.0	0.60	0.0										
12	1.00	1.00	1.00	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00
	0.0	0.0	0.0	0.60										
13	1.00	1.00	1.00	0.0	0.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00
	1.00	0.0	0.0	0.0										
14	1.00	1.00	1.00	0.0	0.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00
	0.0	1.00	0.0	0.0										
15	1.00	1.00	1.00	0.0	0.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00
	0.0	0.0	1.00	0.0										
16	1.00	1.00	1.00	0.0	0.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00
	0.0	0.0	0.0	1.00										
17	1.00	1.00	1.00	0.0	0.20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00
	0.0	0.0	0.0	0.0										
18	1.00	1.00	1.00	0.0	0.20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00
	0.0	0.0	0.0	0.0										
19	1.00	1.00	1.00	0.0	0.20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00
	0.0	0.0	0.0	0.0										
20	1.00	1.00	1.00	0.0	0.20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00

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...
	0.0	0.0	0.0	0.0										
21	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00
	0.20	0.0	0.0	0.0										
22	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00
	0.0	0.20	0.0	0.0										
23	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00
	0.0	0.0	0.20	0.0										
24	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00
	0.0	0.0	0.0	0.20										
25	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00
	0.0	0.0	0.0	0.0										
26	1.00	1.00	1.00	0.0	0.0	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										
27	1.00	1.00	1.00	0.0	0.0	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										
28	1.00	1.00	1.00	0.0	0.0	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										
29	1.00	1.00	1.00	0.0	0.0	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										
30	1.00	1.00	1.00	0.0	0.0	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										
31	1.00	1.00	1.00	0.0	0.0	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										
32	1.00	1.00	1.00	0.0	0.0	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										
33	1.00	1.00	1.00	0.0	0.0	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										
34	1.00	1.00	1.00	0.0	0.0	-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										
35	1.00	1.00	1.00	0.0	0.0	-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										
36	1.00	1.00	1.00	0.0	0.0	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										
37	1.00	1.00	1.00	0.0	0.0	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										
38	1.00	1.00	1.00	0.0	0.0	-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										
39	1.00	1.00	1.00	0.0	0.0	-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										
40	1.00	1.00	1.00	0.0	0.0	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										
41	1.00	1.00	1.00	0.0	0.0	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										
42	1.00	1.00	1.00	0.0	0.0	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										
43	1.00	1.00	1.00	0.0	0.0	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										
44	1.00	1.00	1.00	0.0	0.0	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										
45	1.00	1.00	1.00	0.0	0.0	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										
46	1.00	1.00	1.00	0.0	0.0	0.30	0.0	-1.00	0.0	0.0	0.0	0.0	0.0	1.00

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

Cmb	CDC 1/15...	CDC 2/16...	CDC 3/17...	CDC 4/18...	CDC 5/19...	CDC 6/20...	CDC 7/21...	CDC 8/22...	CDC 9/23...	CDC 10/24...	CDC 11/25...	CDC 12/26...	CDC 13/27...	CDC 14/28...
	0.0	0.0	0.0	0.0										
73	1.00	1.00	1.00	0.0	0.0	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										
74	1.00	1.00	1.00	0.0	0.0	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										
75	1.00	1.00	1.00	0.0	0.0	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										
76	1.00	1.00	1.00	0.0	0.0	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										
77	1.00	1.00	1.00	0.0	0.0	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										
78	1.00	1.00	1.00	0.0	0.0	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										
79	1.00	1.00	1.00	0.0	0.0	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										
80	1.00	1.00	1.00	0.0	0.0	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										
81	1.00	1.00	1.00	0.0	0.0	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										
82	1.00	1.00	1.00	0.0	0.0	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										
83	1.00	1.00	1.00	0.0	0.0	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										
84	1.00	1.00	1.00	0.0	0.0	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										
85	1.00	1.00	1.00	0.0	0.0	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										
86	1.00	1.00	1.00	0.0	0.0	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										
87	1.00	1.00	1.00	0.0	0.0	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										
88	1.00	1.00	1.00	0.0	0.0	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										
89	1.00	1.00	1.00	0.0	0.0	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.	15.131	40.177	
36100	15.125	40.173	0.832
36101	15.191	40.172	5.064
35879	15.192	40.222	7.056
35878	15.127	40.223	5.006

SL	Pver	Tr	ag	Fo	T*c
		Anni	g		sec
SLO	81.0	45.2	0.035	2.460	0.312
SLD	63.0	75.4	0.043	2.512	0.364
SLV	10.0	711.8	0.092	2.715	0.516
SLC	5.0	1462.2	0.111	2.823	0.541

SL	ag	S	Fo	Fv	Tb	Tc	Td
	g				sec	sec	sec
SLO	0.035	1.500	2.460	0.622	0.160	0.481	1.740
SLD	0.043	1.500	2.512	0.702	0.178	0.533	1.772
SLV	0.092	1.500	2.715	1.112	0.225	0.674	1.968
SLC	0.111	1.500	2.823	1.271	0.232	0.696	2.045

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	kN		kN		kN		kN m2	
1	5.23	0.19	6.65e-05	0	50.2	58	1.06e-02	0	6.87e-02	24
2	8.90	0.11	0.8	0	0.1	0	4.40e-05	0	2.63e-02	9
3	12.20	0.08	61.2	71	9.02e-02	0	7.20e-02	0	1.89e-02	6
4	16.60	0.06	1.5	1	8.7	10	8.7	10	6.54e-03	2
5	17.50	0.06	0.3	0	0.3	0	17.9	20	2.09e-02	7
6	18.33	0.05	5.25e-02	0	6.0	7	0.7	0	1.68e-02	6

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
6	Edk	CDC=Ed (dinamico SLU) alfa=0.0 (ecc. +)	
			categoria suolo: C
			fattore di sito S = 1.500
			ordinata spettro (tratto Tb-Tc) = 0.375 g
			angolo di ingresso:0.0
			eccentricità aggiuntiva: positiva
			periodo proprio T1: 0.082 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: 15
			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	kN	m	m	m	m	m	m			
4.60	23.22	5.98	0.15	0.0	0.0	6.08	0.15	1.627	0.023	0.0
3.95	28.62	5.96	2.80	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.30	19.66	5.95	5.45	0.0	0.0	6.08	5.45	1.627	0.032	0.0
3.00	4.74	6.27	5.45	0.0	0.0	6.27	5.45	3.000	0.0	0.0
1.10	10.00	2.35	4.87	0.0	0.0	2.35	4.87	5.8250e+03	0.0	0.0
Risulta	86.24									

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	kN		kN		kN			
1	5.226	0.191	0.340	6.65e-05	7.71e-05	50.18	58.2	0.01	1.23e-02	0.0	0.0
2	8.900	0.112	0.256	0.79	0.9	0.11	0.1	4.40e-05	5.10e-05	0.0	0.0
3	12.199	0.082	0.224	61.23	71.0	0.09	0.1	0.07	8.35e-02	0.0	0.0
4	16.602	0.060	0.202	1.48	1.7	8.71	10.1	8.75	10.1	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	17.500	0.057	0.198	0.27	0.3	0.33	0.4	17.94	20.8	0.0	0.0
6	18.325	0.055	0.196	0.05	6.09e-02	6.04	7.0	0.72	0.8	0.0	0.0
7	19.125	0.052	0.193	0.01	1.67e-02	15.17	17.6	3.41	4.0	0.0	0.0
8	21.320	0.047	0.188	0.15	0.2	5.75e-03	6.66e-03	12.36	14.3	0.0	0.0
9	22.104	0.045	0.186	1.10	1.3	5.59e-03	6.48e-03	1.11	1.3	0.0	0.0
10	27.474	0.036	0.176	9.00e-03	1.04e-02	4.71	5.5	4.55	5.3	0.0	0.0
11	28.091	0.036	0.176	19.55	22.7	0.01	1.44e-02	0.03	3.23e-02	0.0	0.0
12	36.230	0.028	0.167	0.02	2.47e-02	0.04	4.76e-02	11.23	13.0	0.0	0.0
13	45.120	0.022	0.161	1.49	1.7	0.30	0.3	1.03	1.2	0.0	0.0
14	58.927	0.017	0.156	0.03	3.78e-02	0.46	0.5	1.48	1.7	0.0	0.0
15	116.468	0.009	0.147	9.81e-06	1.14e-05	3.17e-03	3.68e-03	22.91	26.6	0.0	0.0
Risulta				86.20		86.15		85.59			
In percentuale				99.95		99.90		99.25			

CDC	Tipo	Sigla Id	Note
7	Edk	CDC=Ed (dinamico SLU) alfa=0.0 (ecc. -)	
			categoria suolo: C
			fattore di sito S = 1.500
			ordinata spettro (tratto Tb-Tc) = 0.375 g
			angolo di ingresso:0.0
			eccentricità aggiuntiva: negativa
			periodo proprio T1: 0.082 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: 15
			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	kN	m	m	m	m	m	m			
4.60	23.22	5.98	0.15	0.0	0.0	6.08	0.15	1.627	0.023	0.0
3.95	28.62	5.96	2.80	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.30	19.66	5.95	5.45	0.0	0.0	6.08	5.45	1.627	0.032	0.0
3.00	4.74	6.27	5.45	0.0	0.0	6.27	5.45	3.000	0.0	0.0
1.10	10.00	2.35	4.87	0.0	0.0	2.35	4.87	5.8250e+03	0.0	0.0
Risulta	86.24									

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	kN		kN		kN			
1	5.226	0.191	0.340	6.65e-05	7.71e-05	50.18	58.2	0.01	1.23e-02	0.0	0.0

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
2	8.900	0.112	0.256	0.79	0.9	0.11	0.1	4.40e-05	5.10e-05	0.0	0.0
3	12.199	0.082	0.224	61.23	71.0	0.09	0.1	0.07	8.35e-02	0.0	0.0
4	16.602	0.060	0.202	1.48	1.7	8.71	10.1	8.75	10.1	0.0	0.0
5	17.500	0.057	0.198	0.27	0.3	0.33	0.4	17.94	20.8	0.0	0.0
6	18.325	0.055	0.196	0.05	6.09e-02	6.04	7.0	0.72	0.8	0.0	0.0
7	19.125	0.052	0.193	0.01	1.67e-02	15.17	17.6	3.41	4.0	0.0	0.0
8	21.320	0.047	0.188	0.15	0.2	5.75e-03	6.66e-03	12.36	14.3	0.0	0.0
9	22.104	0.045	0.186	1.10	1.3	5.59e-03	6.48e-03	1.11	1.3	0.0	0.0
10	27.474	0.036	0.176	9.00e-03	1.04e-02	4.71	5.5	4.55	5.3	0.0	0.0
11	28.091	0.036	0.176	19.55	22.7	0.01	1.44e-02	0.03	3.23e-02	0.0	0.0
12	36.230	0.028	0.167	0.02	2.47e-02	0.04	4.76e-02	11.23	13.0	0.0	0.0
13	45.120	0.022	0.161	1.49	1.7	0.30	0.3	1.03	1.2	0.0	0.0
14	58.927	0.017	0.156	0.03	3.78e-02	0.46	0.5	1.48	1.7	0.0	0.0
15	116.468	0.009	0.147	9.81e-06	1.14e-05	3.17e-03	3.68e-03	22.91	26.6	0.0	0.0
Risulta				86.20		86.15		85.59			
In percentuale				99.95		99.90		99.25			

CDC	Tipo	Sigla Id	Note
8	Edk	CDC=Ed (dinamico SLU) alfa=90.00 (ecc. +)	
			categoria suolo: C
			fattore di sito S = 1.500
			ordinata spettro (tratto Tb-Tc) = 0.375 g
			angolo di ingresso:90.00
			eccentricità aggiuntiva: positiva
			periodo proprio T1: 0.192 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: 15
			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	kN	m	m	m	m	m	m			
4.60	23.22	5.98	0.15	0.58	0.0	6.08	0.15	1.627	0.023	0.0
3.95	28.62	5.96	2.80	0.58	0.0	0.0	0.0	0.0	0.0	0.0
3.30	19.66	5.95	5.45	0.58	0.0	6.08	5.45	1.627	0.032	0.0
3.00	4.74	6.27	5.45	0.17	0.0	6.27	5.45	3.000	0.0	0.0
1.10	10.00	2.35	4.87	0.0	0.0	2.35	4.87	5.8250e+03	0.0	0.0
Risulta	86.24									

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	kN		kN		kN			
1	5.215	0.192	0.340	6.01e-04	6.97e-04	50.71	58.8	0.01	1.22e-02	0.0	0.0
2	8.846	0.113	0.257	0.75	0.9	0.02	2.66e-02	8.05e-05	9.34e-05	0.0	0.0
3	12.205	0.082	0.224	61.49	71.3	3.59e-03	4.16e-03	0.05	5.48e-02	0.0	0.0
4	16.770	0.060	0.201	1.17	1.4	8.37	9.7	3.16	3.7	0.0	0.0
5	17.317	0.058	0.199	0.39	0.5	1.10	1.3	23.80	27.6	0.0	0.0
6	18.601	0.054	0.195	1.89e-03	2.19e-03	2.44	2.8	2.45	2.8	0.0	0.0
7	19.195	0.052	0.193	0.08	8.94e-02	17.63	20.4	2.08	2.4	0.0	0.0
8	21.363	0.047	0.187	0.30	0.3	2.88e-03	3.34e-03	10.92	12.7	0.0	0.0
9	22.228	0.045	0.186	0.56	0.6	0.02	2.07e-02	2.31	2.7	0.0	0.0
10	26.383	0.038	0.178	1.93	2.2	4.16	4.8	2.61	3.0	0.0	0.0
11	28.025	0.036	0.176	17.44	20.2	0.67	0.8	0.87	1.0	0.0	0.0
12	36.063	0.028	0.167	0.16	0.2	0.07	8.69e-02	12.53	14.5	0.0	0.0
13	40.251	0.025	0.164	1.74	2.0	0.63	0.7	3.06e-03	3.55e-03	0.0	0.0
14	65.074	0.015	0.154	0.18	0.2	0.31	0.4	0.08	9.58e-02	0.0	0.0
15	97.894	0.010	0.149	0.01	1.23e-02	0.02	2.83e-02	20.81	24.1	0.0	0.0
Risulta				86.19		86.15		81.68			
In percentuale				99.95		99.90		94.71			

CDC	Tipo	Sigla Id	Note
9	Edk	CDC=Ed (dinamico SLU) alfa=90.00 (ecc. -)	
			categoria suolo: C
			fattore di sito S = 1.500
			ordinata spettro (tratto Tb-Tc) = 0.375 g
			angolo di ingresso:90.00
			eccentricità aggiuntiva: negativa
			periodo proprio T1: 0.191 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: 15
			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	kN	m	m	m	m	m	m			
4.60	23.22	5.98	0.15	-0.58	0.0	6.08	0.15	1.627	0.023	0.0
3.95	28.62	5.96	2.80	-0.58	0.0	0.0	0.0	0.0	0.0	0.0
3.30	19.66	5.95	5.45	-0.58	0.0	6.08	5.45	1.627	0.032	0.0
3.00	4.74	6.27	5.45	-0.17	0.0	6.27	5.45	3.000	0.0	0.0
1.10	10.00	2.35	4.87	0.0	0.0	2.35	4.87	5.8250e+03	0.0	0.0
Risulta	86.24									

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	kN		kN		kN			
1	5.226	0.191	0.340	6.58e-05	7.64e-05	49.60	57.5	0.01	1.21e-02	0.0	0.0
2	9.009	0.111	0.255	0.87	1.0	0.24	0.3	5.34e-04	6.19e-04	0.0	0.0
3	12.179	0.082	0.225	60.21	69.8	0.51	0.6	0.11	0.1	0.0	0.0
4	15.509	0.064	0.206	2.69	3.1	16.13	18.7	3.78	4.4	0.0	0.0
5	17.552	0.057	0.198	0.03	3.39e-02	0.16	0.2	21.88	25.4	0.0	0.0
6	18.322	0.055	0.196	0.05	5.91e-02	0.62	0.7	3.87	4.5	0.0	0.0
7	20.246	0.049	0.190	5.62e-04	6.52e-04	10.46	12.1	1.66	1.9	0.0	0.0
8	21.136	0.047	0.188	0.10	0.1	0.40	0.5	11.42	13.2	0.0	0.0
9	22.338	0.045	0.185	1.12	1.3	1.49	1.7	0.76	0.9	0.0	0.0
10	26.392	0.038	0.178	0.02	2.52e-02	5.33	6.2	4.93	5.7	0.0	0.0
11	28.095	0.036	0.176	19.59	22.7	0.01	1.59e-02	9.88e-03	1.15e-02	0.0	0.0
12	36.025	0.028	0.167	0.06	6.44e-02	0.02	2.17e-02	11.80	13.7	0.0	0.0
13	43.383	0.023	0.162	0.13	0.1	1.04	1.2	0.80	0.9	0.0	0.0
14	45.983	0.022	0.161	1.34	1.6	0.03	3.48e-02	0.63	0.7	0.0	0.0
15	110.117	0.009	0.148	3.75e-03	4.34e-03	0.01	1.61e-02	22.97	26.6	0.0	0.0
Risulta				86.20		86.08		84.63			
In percentuale				99.96		99.81		98.13			

CDC	Tipo	Sigla Id	Note
10	Edk	CDC=Ed (dinamico SLD) alfa=0.0 (ecc. +)	
			categoria suolo: C
			fattore di sito S = 1.500
			ordinata spettro (tratto Tb-Tc) = 0.162 g
			angolo di ingresso:0.0
			eccentricità aggiuntiva: positiva
			periodo proprio T1: 0.082 s
			numero di modi considerati: 15
			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	kN	m	m	m	m	m	m			
4.60	23.22	5.98	0.15	0.0	0.0	6.08	0.15	1.627	0.023	0.0
3.95	28.62	5.96	2.80	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.30	19.66	5.95	5.45	0.0	0.0	6.08	5.45	1.627	0.032	0.0
3.00	4.74	6.27	5.45	0.0	0.0	6.27	5.45	3.000	0.0	0.0
1.10	10.00	2.35	4.87	0.0	0.0	2.35	4.87	5.8250e+03	0.0	0.0
Risulta	86.24									

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	kN		kN		kN			

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	5.226	0.191	0.162	6.65e-05	7.71e-05	50.18	58.2	0.01	1.23e-02	0.0	0.0
2	8.900	0.112	0.126	0.79	0.9	0.11	0.1	4.40e-05	5.10e-05	0.0	0.0
3	12.199	0.082	0.109	61.23	71.0	0.09	0.1	0.07	8.35e-02	0.0	0.0
4	16.602	0.060	0.097	1.48	1.7	8.71	10.1	8.75	10.1	0.0	0.0
5	17.500	0.057	0.096	0.27	0.3	0.33	0.4	17.94	20.8	0.0	0.0
6	18.325	0.055	0.094	0.05	6.09e-02	6.04	7.0	0.72	0.8	0.0	0.0
7	19.125	0.052	0.093	0.01	1.67e-02	15.17	17.6	3.41	4.0	0.0	0.0
8	21.320	0.047	0.090	0.15	0.2	5.75e-03	6.66e-03	12.36	14.3	0.0	0.0
9	22.104	0.045	0.089	1.10	1.3	5.59e-03	6.48e-03	1.11	1.3	0.0	0.0
10	27.474	0.036	0.084	9.00e-03	1.04e-02	4.71	5.5	4.55	5.3	0.0	0.0
11	28.091	0.036	0.084	19.55	22.7	0.01	1.44e-02	0.03	3.23e-02	0.0	0.0
12	36.230	0.028	0.079	0.02	2.47e-02	0.04	4.76e-02	11.23	13.0	0.0	0.0
13	45.120	0.022	0.076	1.49	1.7	0.30	0.3	1.03	1.2	0.0	0.0
14	58.927	0.017	0.074	0.03	3.78e-02	0.46	0.5	1.48	1.7	0.0	0.0
15	116.468	0.009	0.069	9.81e-06	1.14e-05	3.17e-03	3.68e-03	22.91	26.6	0.0	0.0
Risulta				86.20		86.15		85.59			
In percentuale				99.95		99.90		99.25			

CDC	Tipo	Sigla Id	Note
11	Edk	CDC=Ed (dinamico SLD) alfa=0.0 (ecc. -)	
			categoria suolo: C
			fattore di sito S = 1.500
			ordinata spettro (tratto Tb-Tc) = 0.162 g
			angolo di ingresso:0.0
			eccentricità aggiuntiva: negativa
			periodo proprio T1: 0.082 s
			numero di modi considerati: 15
			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	kN	m	m	m	m	m	m			
4.60	23.22	5.98	0.15	0.0	0.0	6.08	0.15	1.627	0.023	0.0
3.95	28.62	5.96	2.80	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.30	19.66	5.95	5.45	0.0	0.0	6.08	5.45	1.627	0.032	0.0
3.00	4.74	6.27	5.45	0.0	0.0	6.27	5.45	3.000	0.0	0.0
1.10	10.00	2.35	4.87	0.0	0.0	2.35	4.87	5.8250e+03	0.0	0.0
Risulta	86.24									

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	kN		kN		kN			
1	5.226	0.191	0.162	6.65e-05	7.71e-05	50.18	58.2	0.01	1.23e-02	0.0	0.0

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
2	8.900	0.112	0.126	0.79	0.9	0.11	0.1	4.40e-05	5.10e-05	0.0	0.0
3	12.199	0.082	0.109	61.23	71.0	0.09	0.1	0.07	8.35e-02	0.0	0.0
4	16.602	0.060	0.097	1.48	1.7	8.71	10.1	8.75	10.1	0.0	0.0
5	17.500	0.057	0.096	0.27	0.3	0.33	0.4	17.94	20.8	0.0	0.0
6	18.325	0.055	0.094	0.05	6.09e-02	6.04	7.0	0.72	0.8	0.0	0.0
7	19.125	0.052	0.093	0.01	1.67e-02	15.17	17.6	3.41	4.0	0.0	0.0
8	21.320	0.047	0.090	0.15	0.2	5.75e-03	6.66e-03	12.36	14.3	0.0	0.0
9	22.104	0.045	0.089	1.10	1.3	5.59e-03	6.48e-03	1.11	1.3	0.0	0.0
10	27.474	0.036	0.084	9.00e-03	1.04e-02	4.71	5.5	4.55	5.3	0.0	0.0
11	28.091	0.036	0.084	19.55	22.7	0.01	1.44e-02	0.03	3.23e-02	0.0	0.0
12	36.230	0.028	0.079	0.02	2.47e-02	0.04	4.76e-02	11.23	13.0	0.0	0.0
13	45.120	0.022	0.076	1.49	1.7	0.30	0.3	1.03	1.2	0.0	0.0
14	58.927	0.017	0.074	0.03	3.78e-02	0.46	0.5	1.48	1.7	0.0	0.0
15	116.468	0.009	0.069	9.81e-06	1.14e-05	3.17e-03	3.68e-03	22.91	26.6	0.0	0.0
Risulta				86.20		86.15		85.59			
In percentuale				99.95		99.90		99.25			

CDC	Tipo	Sigla Id	Note
12	Edk	CDC=Ed (dinamico SLD) alfa=90.00 (ecc. +)	
			categoria suolo: C
			fattore di sito S = 1.500
			ordinata spettro (tratto Tb-Tc) = 0.162 g
			angolo di ingresso:90.00
			eccentricità aggiuntiva: positiva
			periodo proprio T1: 0.192 s
			numero di modi considerati: 15
			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	kN	m	m	m	m	m	m			
4.60	23.22	5.98	0.15	0.58	0.0	6.08	0.15	1.627	0.023	0.0
3.95	28.62	5.96	2.80	0.58	0.0	0.0	0.0	0.0	0.0	0.0
3.30	19.66	5.95	5.45	0.58	0.0	6.08	5.45	1.627	0.032	0.0
3.00	4.74	6.27	5.45	0.17	0.0	6.27	5.45	3.000	0.0	0.0
1.10	10.00	2.35	4.87	0.0	0.0	2.35	4.87	5.8250e+03	0.0	0.0
Risulta	86.24									

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	kN		kN		kN			
1	5.215	0.192	0.162	6.01e-04	6.97e-04	50.71	58.8	0.01	1.22e-02	0.0	0.0
2	8.846	0.113	0.126	0.75	0.9	0.02	2.66e-02	8.05e-05	9.34e-05	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
3	12.205	0.082	0.109	61.49	71.3	3.59e-03	4.16e-03	0.05	5.48e-02	0.0	0.0
4	16.770	0.060	0.097	1.17	1.4	8.37	9.7	3.16	3.7	0.0	0.0
5	17.317	0.058	0.096	0.39	0.5	1.10	1.3	23.80	27.6	0.0	0.0
6	18.601	0.054	0.094	1.89e-03	2.19e-03	2.44	2.8	2.45	2.8	0.0	0.0
7	19.195	0.052	0.093	0.08	8.94e-02	17.63	20.4	2.08	2.4	0.0	0.0
8	21.363	0.047	0.090	0.30	0.3	2.88e-03	3.34e-03	10.92	12.7	0.0	0.0
9	22.228	0.045	0.089	0.56	0.6	0.02	2.07e-02	2.31	2.7	0.0	0.0
10	26.383	0.038	0.085	1.93	2.2	4.16	4.8	2.61	3.0	0.0	0.0
11	28.025	0.036	0.084	17.44	20.2	0.67	0.8	0.87	1.0	0.0	0.0
12	36.063	0.028	0.080	0.16	0.2	0.07	8.69e-02	12.53	14.5	0.0	0.0
13	40.251	0.025	0.078	1.74	2.0	0.63	0.7	3.06e-03	3.55e-03	0.0	0.0
14	65.074	0.015	0.073	0.18	0.2	0.31	0.4	0.08	9.58e-02	0.0	0.0
15	97.894	0.010	0.070	0.01	1.23e-02	0.02	2.83e-02	20.81	24.1	0.0	0.0
Risulta				86.19		86.15		81.68			
In percentuale				99.95		99.90		94.71			

CDC	Tipo	Sigla Id	Note
13	Edk	CDC=Ed (dinamico SLD) alfa=90.00 (ecc. -)	
			categoria suolo: C
			fattore di sito S = 1.500
			ordinata spettro (tratto Tb-Tc) = 0.162 g
			angolo di ingresso:90.00
			eccentricità aggiuntiva: negativa
			periodo proprio T1: 0.191 s
			numero di modi considerati: 15
			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	kN	m	m	m	m	m	m			
4.60	23.22	5.98	0.15	-0.58	0.0	6.08	0.15	1.627	0.023	0.0
3.95	28.62	5.96	2.80	-0.58	0.0	0.0	0.0	0.0	0.0	0.0
3.30	19.66	5.95	5.45	-0.58	0.0	6.08	5.45	1.627	0.032	0.0
3.00	4.74	6.27	5.45	-0.17	0.0	6.27	5.45	3.000	0.0	0.0
1.10	10.00	2.35	4.87	0.0	0.0	2.35	4.87	5.8250e+03	0.0	0.0
Risulta	86.24									

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	kN		kN		kN			
1	5.226	0.191	0.162	6.58e-05	7.64e-05	49.60	57.5	0.01	1.21e-02	0.0	0.0
2	9.009	0.111	0.125	0.87	1.0	0.24	0.3	5.34e-04	6.19e-04	0.0	0.0
3	12.179	0.082	0.109	60.21	69.8	0.51	0.6	0.11	0.1	0.0	0.0

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
4	15.509	0.064	0.100	2.69	3.1	16.13	18.7	3.78	4.4	0.0	0.0
5	17.552	0.057	0.095	0.03	3.39e-02	0.16	0.2	21.88	25.4	0.0	0.0
6	18.322	0.055	0.094	0.05	5.91e-02	0.62	0.7	3.87	4.5	0.0	0.0
7	20.246	0.049	0.091	5.62e-04	6.52e-04	10.46	12.1	1.66	1.9	0.0	0.0
8	21.136	0.047	0.090	0.10	0.1	0.40	0.5	11.42	13.2	0.0	0.0
9	22.338	0.045	0.089	1.12	1.3	1.49	1.7	0.76	0.9	0.0	0.0
10	26.392	0.038	0.085	0.02	2.52e-02	5.33	6.2	4.93	5.7	0.0	0.0
11	28.095	0.036	0.084	19.59	22.7	0.01	1.59e-02	9.88e-03	1.15e-02	0.0	0.0
12	36.025	0.028	0.080	0.06	6.44e-02	0.02	2.17e-02	11.80	13.7	0.0	0.0
13	43.383	0.023	0.077	0.13	0.1	1.04	1.2	0.80	0.9	0.0	0.0
14	45.983	0.022	0.076	1.34	1.6	0.03	3.48e-02	0.63	0.7	0.0	0.0
15	110.117	0.009	0.069	3.75e-03	4.34e-03	0.01	1.61e-02	22.97	26.6	0.0	0.0
Risulta				86.20		86.08		84.63			
In percentuale				99.96		99.81		98.13			

Cmb	Pilas.	1000 etaT/h	etaT	inter. h	Pilas.	1000 etaT/h	etaT	inter. h	Pilas.	1000 etaT/h	etaT	inter. h
			cm	cm			cm	cm			cm	cm
58	15	0.185	5.51e-03	30.0	16	0.216	6.36e-03	30.0	19	0.09	0.04	460.0
	20	0.07	0.03	460.0	35	0.42	0.14	330.0	36	0.35	0.12	330.0
	37	0.50	0.23	460.0	38	0.40	0.18	460.0	39	0.16	0.05	300.0
	42	0.15	0.05	300.0	43	0.066	6.42e-03	110.0	44	0.066	6.50e-03	110.0
	45	0.066	6.64e-03	110.0	46	0.066	6.56e-03	110.0				
59	15	0.195	5.81e-03	30.0	16	0.205	5.94e-03	30.0	19	0.08	0.04	460.0
	20	0.08	0.04	460.0	35	0.42	0.14	330.0	36	0.36	0.12	330.0
	37	0.49	0.23	460.0	38	0.40	0.19	460.0	39	0.15	0.04	300.0
	42	0.16	0.05	300.0	43	0.066	6.25e-03	110.0	44	0.066	6.44e-03	110.0
	45	0.066	6.59e-03	110.0	46	0.066	6.40e-03	110.0				
60	15	0.185	5.51e-03	30.0	16	0.216	6.36e-03	30.0	19	0.09	0.04	460.0
	20	0.07	0.03	460.0	35	0.42	0.14	330.0	36	0.35	0.12	330.0
	37	0.50	0.23	460.0	38	0.40	0.18	460.0	39	0.16	0.05	300.0
	42	0.15	0.05	300.0	43	0.066	6.42e-03	110.0	44	0.066	6.50e-03	110.0
	45	0.066	6.64e-03	110.0	46	0.066	6.56e-03	110.0				
61	15	0.195	5.81e-03	30.0	16	0.205	5.94e-03	30.0	19	0.08	0.04	460.0
	20	0.08	0.04	460.0	35	0.42	0.14	330.0	36	0.36	0.12	330.0
	37	0.49	0.23	460.0	38	0.40	0.19	460.0	39	0.15	0.04	300.0
	42	0.16	0.05	300.0	43	0.066	6.25e-03	110.0	44	0.066	6.44e-03	110.0
	45	0.066	6.59e-03	110.0	46	0.066	6.40e-03	110.0				
62	15	0.247	7.07e-03	30.0	16	0.226	6.52e-03	30.0	19	0.30	0.14	460.0
	20	0.28	0.13	460.0	35	0.47	0.16	330.0	36	0.41	0.14	330.0
	37	0.52	0.24	460.0	38	0.43	0.20	460.0	39	0.15	0.04	300.0
	42	0.15	0.05	300.0	43	0.011	1.60e-03	110.0	44	0.021	1.95e-03	110.0
	45	0.021	1.93e-03	110.0	46	0.011	1.57e-03	110.0				
63	15	0.257	7.35e-03	30.0	16	0.206	6.06e-03	30.0	19	0.30	0.14	460.0
	20	0.27	0.12	460.0	35	0.48	0.16	330.0	36	0.40	0.13	330.0
	37	0.53	0.24	460.0	38	0.43	0.20	460.0	39	0.14	0.04	300.0
	42	0.16	0.05	300.0	43	0.022	2.23e-03	110.0	44	0.021	1.95e-03	110.0
	45	0.021	1.93e-03	110.0	46	0.022	2.21e-03	110.0				
64	15	0.247	7.07e-03	30.0	16	0.226	6.52e-03	30.0	19	0.30	0.14	460.0
	20	0.28	0.13	460.0	35	0.47	0.16	330.0	36	0.41	0.14	330.0

	37	0.52	0.24	460.0	38	0.43	0.20	460.0	39	0.15	0.04	300.0
	42	0.15	0.05	300.0	43	0.011	.60e-03	110.0	44	0.021	.95e-03	110.0
	45	0.021	.93e-03	110.0	46	0.011	.57e-03	110.0				
65	15	0.257	.35e-03	30.0	16	0.206	.06e-03	30.0	19	0.30	0.14	460.0
	20	0.27	0.12	460.0	35	0.48	0.16	330.0	36	0.40	0.13	330.0
	37	0.53	0.24	460.0	38	0.43	0.20	460.0	39	0.14	0.04	300.0
	42	0.16	0.05	300.0	43	0.022	.23e-03	110.0	44	0.021	.95e-03	110.0
	45	0.021	.93e-03	110.0	46	0.022	.21e-03	110.0				
66	15	0.226	.56e-03	30.0	16	0.133	.80e-03	30.0	19	0.07	0.03	460.0
	20	0.10	0.04	460.0	35	0.41	0.14	330.0	36	0.35	0.11	330.0
	37	0.49	0.22	460.0	38	0.41	0.19	460.0	39	0.10	0.03	300.0
	42	0.15	0.05	300.0	43	0.12	0.01	110.0	44	0.12	0.01	110.0
	45	0.12	0.01	110.0	46	0.12	0.01	110.0				
67	15	0.236	.86e-03	30.0	16	0.113	.29e-03	30.0	19	0.06	0.03	460.0
	20	0.11	0.05	460.0	35	0.41	0.13	330.0	36	0.35	0.12	330.0
	37	0.48	0.22	460.0	38	0.41	0.19	460.0	39	0.09	0.03	300.0
	42	0.16	0.05	300.0	43	0.12	0.01	110.0	44	0.13	0.01	110.0
	45	0.13	0.01	110.0	46	0.12	0.01	110.0				
68	15	0.226	.56e-03	30.0	16	0.133	.80e-03	30.0	19	0.07	0.03	460.0
	20	0.10	0.04	460.0	35	0.41	0.14	330.0	36	0.35	0.11	330.0
	37	0.49	0.22	460.0	38	0.41	0.19	460.0	39	0.10	0.03	300.0
	42	0.15	0.05	300.0	43	0.12	0.01	110.0	44	0.12	0.01	110.0
	45	0.12	0.01	110.0	46	0.12	0.01	110.0				
69	15	0.236	.86e-03	30.0	16	0.113	.29e-03	30.0	19	0.06	0.03	460.0
	20	0.11	0.05	460.0	35	0.41	0.13	330.0	36	0.35	0.12	330.0
	37	0.48	0.22	460.0	38	0.41	0.19	460.0	39	0.09	0.03	300.0
	42	0.16	0.05	300.0	43	0.12	0.01	110.0	44	0.13	0.01	110.0
	45	0.13	0.01	110.0	46	0.12	0.01	110.0				
70	15	0.185	.31e-03	30.0	16	0.257	.44e-03	30.0	19	0.28	0.13	460.0
	20	0.30	0.14	460.0	35	0.46	0.15	330.0	36	0.41	0.13	330.0
	37	0.51	0.24	460.0	38	0.44	0.20	460.0	39	0.15	0.05	300.0
	42	0.10	0.03	300.0	43	0.10	0.01	110.0	44	0.11	0.01	110.0
	45	0.11	0.01	110.0	46	0.10	0.01	110.0				
71	15	0.195	.62e-03	30.0	16	0.236	.93e-03	30.0	19	0.28	0.13	460.0
	20	0.29	0.14	460.0	35	0.47	0.15	330.0	36	0.40	0.13	330.0
	37	0.52	0.24	460.0	38	0.44	0.20	460.0	39	0.14	0.04	300.0
	42	0.11	0.03	300.0	43	0.11	0.01	110.0	44	0.10	0.01	110.0
	45	0.10	0.01	110.0	46	0.11	0.01	110.0				
72	15	0.185	.31e-03	30.0	16	0.257	.44e-03	30.0	19	0.28	0.13	460.0
	20	0.30	0.14	460.0	35	0.46	0.15	330.0	36	0.41	0.13	330.0
	37	0.51	0.24	460.0	38	0.44	0.20	460.0	39	0.15	0.05	300.0
	42	0.10	0.03	300.0	43	0.10	0.01	110.0	44	0.11	0.01	110.0
	45	0.11	0.01	110.0	46	0.10	0.01	110.0				
73	15	0.195	.62e-03	30.0	16	0.236	.93e-03	30.0	19	0.28	0.13	460.0
	20	0.29	0.14	460.0	35	0.47	0.15	330.0	36	0.40	0.13	330.0
	37	0.52	0.24	460.0	38	0.44	0.20	460.0	39	0.14	0.04	300.0
	42	0.11	0.03	300.0	43	0.11	0.01	110.0	44	0.10	0.01	110.0
	45	0.10	0.01	110.0	46	0.11	0.01	110.0				
74	15	0.64	0.02	30.0	16	0.60	0.02	30.0	19	0.18	0.08	460.0
	20	0.17	0.08	460.0	35	0.36	0.12	330.0	36	0.28	0.09	330.0
	37	0.46	0.21	460.0	38	0.37	0.17	460.0	39	0.43	0.13	300.0
	42	0.46	0.14	300.0	43	0.15	0.02	110.0	44	0.15	0.02	110.0
	45	0.15	0.02	110.0	46	0.15	0.02	110.0				
75	15	0.67	0.02	30.0	16	0.55	0.02	30.0	19	0.19	0.09	460.0
	20	0.14	0.06	460.0	35	0.34	0.11	330.0	36	0.30	0.10	330.0
	37	0.45	0.21	460.0	38	0.38	0.17	460.0	39	0.40	0.12	300.0

	42	0.48	0.14	300.0	43	0.16	0.02	110.0	44	0.14	0.02	110.0
	45	0.15	0.02	110.0	46	0.16	0.02	110.0				
76	15	0.64	0.02	30.0	16	0.60	0.02	30.0	19	0.18	0.08	460.0
	20	0.17	0.08	460.0	35	0.36	0.12	330.0	36	0.28	0.09	330.0
	37	0.46	0.21	460.0	38	0.37	0.17	460.0	39	0.43	0.13	300.0
	42	0.46	0.14	300.0	43	0.15	0.02	110.0	44	0.15	0.02	110.0
	45	0.15	0.02	110.0	46	0.15	0.02	110.0				
77	15	0.67	0.02	30.0	16	0.55	0.02	30.0	19	0.19	0.09	460.0
	20	0.14	0.06	460.0	35	0.34	0.11	330.0	36	0.30	0.10	330.0
	37	0.45	0.21	460.0	38	0.38	0.17	460.0	39	0.40	0.12	300.0
	42	0.48	0.14	300.0	43	0.16	0.02	110.0	44	0.14	0.02	110.0
	45	0.15	0.02	110.0	46	0.16	0.02	110.0				
78	15	0.66	0.02	30.0	16	0.65	0.02	30.0	19	0.54	0.25	460.0
	20	0.53	0.24	460.0	35	0.52	0.17	330.0	36	0.45	0.15	330.0
	37	0.55	0.25	460.0	38	0.47	0.22	460.0	39	0.46	0.14	300.0
	42	0.46	0.14	300.0	43	0.10	0.01	110.0	44	0.10	0.01	110.0
	45	0.10	0.01	110.0	46	0.10	0.01	110.0				
79	15	0.69	0.02	30.0	16	0.59	0.02	30.0	19	0.56	0.26	460.0
	20	0.50	0.23	460.0	35	0.53	0.17	330.0	36	0.44	0.14	330.0
	37	0.56	0.26	460.0	38	0.46	0.21	460.0	39	0.42	0.13	300.0
	42	0.48	0.14	300.0	43	0.09	9.77e-03	110.0	44	0.10	0.01	110.0
	45	0.10	0.01	110.0	46	0.09	9.79e-03	110.0				
80	15	0.66	0.02	30.0	16	0.65	0.02	30.0	19	0.54	0.25	460.0
	20	0.53	0.24	460.0	35	0.52	0.17	330.0	36	0.45	0.15	330.0
	37	0.55	0.25	460.0	38	0.47	0.22	460.0	39	0.46	0.14	300.0
	42	0.46	0.14	300.0	43	0.10	0.01	110.0	44	0.10	0.01	110.0
	45	0.10	0.01	110.0	46	0.10	0.01	110.0				
81	15	0.69	0.02	30.0	16	0.59	0.02	30.0	19	0.56	0.26	460.0
	20	0.50	0.23	460.0	35	0.53	0.17	330.0	36	0.44	0.14	330.0
	37	0.56	0.26	460.0	38	0.46	0.21	460.0	39	0.42	0.13	300.0
	42	0.48	0.14	300.0	43	0.09	9.77e-03	110.0	44	0.10	0.01	110.0
	45	0.10	0.01	110.0	46	0.09	9.79e-03	110.0				
82	15	0.65	0.02	30.0	16	0.58	0.02	30.0	19	0.18	0.08	460.0
	20	0.16	0.07	460.0	35	0.35	0.12	330.0	36	0.27	0.09	330.0
	37	0.46	0.21	460.0	38	0.37	0.17	460.0	39	0.42	0.13	300.0
	42	0.46	0.14	300.0	43	0.17	0.02	110.0	44	0.17	0.02	110.0
	45	0.17	0.02	110.0	46	0.17	0.02	110.0				
83	15	0.69	0.02	30.0	16	0.53	0.02	30.0	19	0.20	0.09	460.0
	20	0.13	0.06	460.0	35	0.33	0.11	330.0	36	0.29	0.10	330.0
	37	0.45	0.21	460.0	38	0.38	0.18	460.0	39	0.38	0.11	300.0
	42	0.49	0.15	300.0	43	0.16	0.02	110.0	44	0.17	0.02	110.0
	45	0.17	0.02	110.0	46	0.16	0.02	110.0				
84	15	0.65	0.02	30.0	16	0.58	0.02	30.0	19	0.18	0.08	460.0
	20	0.16	0.07	460.0	35	0.35	0.12	330.0	36	0.27	0.09	330.0
	37	0.46	0.21	460.0	38	0.37	0.17	460.0	39	0.42	0.13	300.0
	42	0.46	0.14	300.0	43	0.17	0.02	110.0	44	0.17	0.02	110.0
	45	0.17	0.02	110.0	46	0.17	0.02	110.0				
85	15	0.69	0.02	30.0	16	0.53	0.02	30.0	19	0.20	0.09	460.0
	20	0.13	0.06	460.0	35	0.33	0.11	330.0	36	0.29	0.10	330.0
	37	0.45	0.21	460.0	38	0.38	0.18	460.0	39	0.38	0.11	300.0
	42	0.49	0.15	300.0	43	0.16	0.02	110.0	44	0.17	0.02	110.0
	45	0.17	0.02	110.0	46	0.16	0.02	110.0				
86	15	0.64	0.02	30.0	16	0.66	0.02	30.0	19	0.53	0.25	460.0
	20	0.54	0.25	460.0	35	0.51	0.17	330.0	36	0.44	0.15	330.0
	37	0.55	0.25	460.0	38	0.48	0.22	460.0	39	0.47	0.14	300.0
	42	0.45	0.13	300.0	43	0.12	0.01	110.0	44	0.12	0.01	110.0

	45	0.12	0.01	110.0	46	0.12	0.01	110.0				
87	15	0.68	0.02	30.0	16	0.61	0.02	30.0	19	0.55	0.25	460.0
	20	0.51	0.23	460.0	35	0.52	0.17	330.0	36	0.44	0.14	330.0
	37	0.56	0.26	460.0	38	0.47	0.21	460.0	39	0.43	0.13	300.0
	42	0.47	0.14	300.0	43	0.12	0.01	110.0	44	0.11	0.01	110.0
	45	0.11	0.01	110.0	46	0.12	0.01	110.0				
88	15	0.64	0.02	30.0	16	0.66	0.02	30.0	19	0.53	0.25	460.0
	20	0.54	0.25	460.0	35	0.51	0.17	330.0	36	0.44	0.15	330.0
	37	0.55	0.25	460.0	38	0.48	0.22	460.0	39	0.47	0.14	300.0
	42	0.45	0.13	300.0	43	0.12	0.01	110.0	44	0.12	0.01	110.0
	45	0.12	0.01	110.0	46	0.12	0.01	110.0				
89	15	0.68	0.02	30.0	16	0.61	0.02	30.0	19	0.55	0.25	460.0
	20	0.51	0.23	460.0	35	0.52	0.17	330.0	36	0.44	0.14	330.0
	37	0.56	0.26	460.0	38	0.47	0.21	460.0	39	0.43	0.13	300.0
	42	0.47	0.14	300.0	43	0.12	0.01	110.0	44	0.11	0.01	110.0
	45	0.11	0.01	110.0	46	0.12	0.01	110.0				

Cmb	**1000 etaT/h**
	0.69

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	3	-0.01	0.23	-0.47	-9.63e-04	4.21e-04	-6.53e-05
1	6	-0.05	7.68e-03	-0.40	-9.31e-04	1.18e-03	-1.99e-04
1	7	-0.01	0.39	-0.40	-9.36e-04	-1.04e-04	5.76e-05
1	11	-0.01	0.16	-0.34	-7.27e-04	3.58e-04	-5.99e-05
1	14	-0.03	0.01	-0.30	-7.06e-04	8.65e-04	-1.49e-04
1	15	-9.98e-03	0.27	-0.30	-7.09e-04	1.67e-05	1.99e-05
1	17	-8.89e-03	0.02	-0.27	-6.94e-04	7.61e-04	-1.52e-04
1	22	-0.01	0.02	-0.25	-6.86e-04	7.62e-04	-1.48e-04
1	23	-8.83e-03	0.07	-0.25	-6.87e-04	5.98e-04	-1.14e-04
1	25	-8.69e-03	0.02	-0.25	-6.86e-04	7.48e-04	-1.49e-04
1	31	-0.07	0.14	-0.25	-6.85e-04	5.61e-04	-9.90e-05
1	44	-0.03	-0.32	-0.26	-6.83e-04	2.16e-03	-4.74e-04
1	49	-0.03	0.39	-0.24	-6.89e-04	-2.73e-04	8.92e-05
1	63	-0.04	0.08	-0.25	-6.86e-04	6.56e-04	-1.26e-04
1	76	-0.02	-0.14	-0.25	-6.85e-04	1.42e-03	-3.04e-04
1	81	-0.02	0.20	-0.25	-6.88e-04	2.59e-04	-3.61e-05
2	3	5.39e-04	0.02	-0.51	-1.09e-04	-1.55e-05	0.0
2	5	0.02	-7.27e-03	-0.49	6.18e-05	-8.18e-06	3.33e-06
2	8	-5.63e-06	-0.05	-0.49	3.50e-04	-1.19e-05	9.16e-06
2	11	3.65e-04	9.88e-03	-0.39	-8.51e-05	-7.36e-06	0.0
2	13	0.01	-5.59e-03	-0.38	2.86e-05	-2.50e-06	2.37e-06
2	16	5.56e-06	-0.04	-0.38	2.21e-04	-4.98e-06	6.25e-06
2	17	1.99e-04	-5.48e-03	-0.37	2.39e-05	-9.21e-06	1.98e-06
2	21	2.92e-03	-5.46e-03	-0.36	2.05e-05	-9.01e-06	2.13e-06
2	24	1.54e-04	-0.01	-0.36	5.89e-05	-9.56e-06	2.80e-06
2	25	2.01e-04	-5.44e-03	-0.36	2.05e-05	-1.01e-05	1.97e-06
2	39	0.01	1.65e-04	-0.36	-5.20e-05	1.18e-06	-1.06e-06
2	49	-1.60e-03	0.01	-0.37	-2.23e-04	-2.16e-05	-6.85e-06
2	53	2.05e-03	-0.02	-0.36	2.64e-04	1.45e-06	1.09e-05
2	71	6.29e-03	-2.77e-03	-0.36	-1.40e-05	-4.58e-06	0.0

2	81	-6.89e-04	3.47e-03	-0.37	-9.53e-05	-1.57e-05	-2.32e-06
2	85	1.14e-03	-0.01	-0.36	1.36e-04	-4.48e-06	6.37e-06
3	1	0.0	0.0	0.0	0.0	0.0	0.0
3	9	0.0	0.0	0.0	0.0	0.0	0.0
3	17	0.0	0.0	0.0	0.0	0.0	0.0
3	25	0.0	0.0	0.0	0.0	0.0	0.0
3	26	0.0	0.0	0.0	0.0	0.0	0.0
3	58	0.0	0.0	0.0	0.0	0.0	0.0
4	1	0.0	0.0	0.0	0.0	0.0	0.0
4	9	0.0	0.0	0.0	0.0	0.0	0.0
4	17	0.0	0.0	0.0	0.0	0.0	0.0
4	25	0.0	0.0	0.0	0.0	0.0	0.0
4	26	0.0	0.0	0.0	0.0	0.0	0.0
4	58	0.0	0.0	0.0	0.0	0.0	0.0
5	3	-0.01	0.22	-0.43	-8.95e-04	-4.02e-06	4.16e-05
5	6	-0.05	0.02	-0.37	-8.62e-04	-8.00e-04	2.68e-04
5	7	-0.01	0.37	-0.37	-8.70e-04	8.03e-04	-1.46e-04
5	11	-0.01	0.15	-0.32	-6.79e-04	-8.05e-05	4.80e-05
5	14	-0.03	0.02	-0.28	-6.57e-04	-6.12e-04	1.99e-04
5	15	-9.99e-03	0.26	-0.28	-6.62e-04	4.48e-04	-7.48e-05
5	17	-8.93e-03	0.02	-0.25	-6.47e-04	-6.67e-04	1.84e-04
5	22	-0.01	0.03	-0.23	-6.39e-04	-6.32e-04	1.80e-04
5	23	-8.86e-03	0.08	-0.23	-6.40e-04	-4.22e-04	1.27e-04
5	25	-8.73e-03	0.03	-0.23	-6.39e-04	-6.46e-04	1.79e-04
5	31	-0.07	0.11	-0.23	-6.36e-04	4.86e-05	2.98e-05
5	50	8.05e-03	-0.31	-0.24	-6.37e-04	-2.34e-03	5.80e-04
5	54	0.01	0.37	-0.22	-6.43e-04	1.04e-03	-2.10e-04
5	63	-0.04	0.07	-0.23	-6.38e-04	-3.19e-04	1.07e-04
5	82	3.39e-04	-0.13	-0.24	-6.38e-04	-1.44e-03	3.71e-04
5	88	1.94e-03	0.19	-0.23	-6.41e-04	1.62e-04	-4.44e-06
6	3	-0.02	0.27	-0.47	-1.07e-03	-1.62e-04	2.11e-05
6	6	-0.06	0.21	-0.45	-9.91e-04	-1.91e-04	-1.17e-05
6	7	-0.02	0.29	-0.46	-1.04e-03	-1.58e-04	4.15e-05
6	11	-0.01	0.20	-0.35	-7.95e-04	-1.19e-04	1.28e-05
6	14	-0.04	0.16	-0.34	-7.44e-04	-1.39e-04	-9.34e-06
6	15	-0.01	0.22	-0.34	-7.87e-04	-1.16e-04	2.58e-05
6	17	-0.01	0.15	-0.33	-7.26e-04	-1.15e-04	-3.93e-06
6	22	-0.02	0.15	-0.33	-7.19e-04	-1.18e-04	-5.08e-06
6	23	-0.01	0.17	-0.33	-7.31e-04	-1.14e-04	2.57e-06
6	25	-0.01	0.15	-0.33	-7.18e-04	-1.14e-04	-3.57e-06
6	33	-0.05	0.17	-0.34	-7.28e-04	-2.25e-04	-6.38e-05
6	49	-0.03	0.20	-0.34	-7.18e-04	-1.53e-04	2.09e-05
6	65	-0.03	0.16	-0.34	-7.23e-04	-1.68e-04	-3.38e-05
6	81	-0.02	0.18	-0.33	-7.18e-04	-1.33e-04	7.18e-06
7	1	0.02	0.11	-8.67e-03	-3.47e-04	6.77e-05	-4.43e-05
7	6	-0.03	0.10	-6.75e-03	-3.36e-04	-6.69e-05	4.76e-05
7	7	-5.76e-03	0.49	-5.85e-03	-1.21e-03	-1.84e-05	3.25e-05
7	9	0.01	0.08	-6.19e-03	-2.75e-04	4.66e-05	-3.07e-05
7	14	-0.02	0.08	-4.90e-03	-2.68e-04	-4.53e-05	3.00e-05
7	15	-4.13e-03	0.34	-4.30e-03	-8.55e-04	-1.23e-05	1.97e-05
7	17	-2.49e-03	0.08	-3.60e-03	-2.70e-04	0.0	-1.06e-05
7	22	-5.71e-03	0.08	-3.10e-03	-2.68e-04	-9.79e-06	-2.48e-06
7	23	-2.44e-03	0.13	-2.99e-03	-3.87e-04	-1.28e-06	-4.08e-06
7	25	-2.25e-03	0.08	-3.02e-03	-2.69e-04	0.0	-1.03e-05
7	28	-0.02	-0.01	-3.73e-03	4.08e-05	-5.00e-05	1.24e-04
7	31	-0.02	0.20	-3.70e-03	-6.50e-04	-5.98e-05	1.55e-04

7	49	-0.01	0.45	-3.21e-03	-1.45e-03	-3.74e-05	8.35e-05
7	60	-0.01	0.04	-3.35e-03	-1.22e-04	-2.64e-05	5.44e-05
7	63	-0.01	0.14	-3.34e-03	-4.51e-04	-3.11e-05	6.93e-05
7	79	-7.96e-03	0.26	-3.11e-03	-8.33e-04	-1.98e-05	3.43e-05
8	1	-1.93e-03	0.17	-0.39	-8.18e-04	3.81e-05	9.65e-05
8	6	-0.07	0.17	-0.36	-7.75e-04	2.95e-05	6.09e-05
8	7	-0.02	0.24	-0.38	-8.30e-04	2.91e-05	-6.28e-06
8	9	-2.83e-03	0.13	-0.29	-6.20e-04	2.95e-05	7.04e-05
8	14	-0.05	0.13	-0.28	-5.91e-04	2.36e-05	4.60e-05
8	15	-0.02	0.18	-0.29	-6.38e-04	2.32e-05	1.89e-06
8	17	-0.02	0.13	-0.28	-5.89e-04	1.36e-05	5.89e-05
8	22	-0.02	0.13	-0.27	-5.80e-04	1.51e-05	5.52e-05
8	23	-0.02	0.14	-0.27	-5.94e-04	1.51e-05	4.73e-05
8	25	-0.02	0.13	-0.27	-5.82e-04	1.33e-05	5.84e-05
8	29	-0.06	0.11	-0.26	-5.70e-04	-1.03e-04	1.41e-05
8	40	0.02	0.14	-0.28	-6.43e-04	1.30e-04	1.10e-04
8	56	-3.96e-03	0.18	-0.28	-7.48e-04	6.58e-05	0.0
8	61	-0.04	0.12	-0.27	-5.76e-04	-4.35e-05	3.58e-05
8	70	8.25e-04	0.14	-0.28	-6.12e-04	7.06e-05	8.63e-05
8	88	-0.01	0.15	-0.28	-6.64e-04	3.90e-05	3.27e-05
9	2	-0.02	0.11	-8.08e-03	-3.58e-04	-6.92e-05	1.02e-04
9	6	-0.03	0.11	-6.38e-03	-3.55e-04	-8.64e-05	1.26e-04
9	7	-5.85e-03	0.46	-5.49e-03	-1.17e-03	-7.86e-06	-2.00e-05
9	10	-0.01	0.09	-5.77e-03	-2.83e-04	-4.79e-05	7.29e-05
9	14	-0.02	0.09	-4.64e-03	-2.81e-04	-5.98e-05	8.88e-05
9	15	-4.17e-03	0.32	-4.04e-03	-8.27e-04	-6.90e-06	-8.05e-06
9	17	-2.38e-03	0.09	-3.39e-03	-2.78e-04	-1.30e-05	4.82e-05
9	22	-5.66e-03	0.08	-2.95e-03	-2.77e-04	-2.29e-05	5.54e-05
9	23	-2.36e-03	0.13	-2.83e-03	-3.88e-04	-1.05e-05	3.67e-05
9	25	-2.15e-03	0.08	-2.86e-03	-2.77e-04	-1.22e-05	4.78e-05
9	31	-0.02	0.17	-3.49e-03	-5.39e-04	-6.40e-05	1.66e-04
9	35	0.02	4.31e-03	-3.56e-03	-1.42e-05	5.02e-05	-6.87e-05
9	56	6.06e-03	0.42	-2.83e-03	-1.38e-03	3.14e-05	-7.96e-05
9	63	-0.01	0.12	-3.16e-03	-4.01e-04	-3.98e-05	1.05e-04
9	67	0.01	0.05	-3.17e-03	-1.53e-04	2.64e-05	-7.01e-06
9	86	3.62e-03	0.25	-2.83e-03	-8.04e-04	1.47e-05	-1.16e-05
10	4	2.81e-04	0.26	-7.81e-03	-9.17e-04	2.02e-05	-3.71e-05
10	6	-0.03	0.32	-6.46e-03	-1.03e-03	4.37e-05	3.64e-05
10	7	-5.66e-03	0.40	-4.51e-03	-1.10e-03	-2.06e-05	4.91e-05
10	12	1.72e-04	0.20	-5.63e-03	-7.06e-04	1.43e-05	-2.60e-05
10	14	-0.02	0.24	-4.73e-03	-7.85e-04	2.84e-05	2.26e-05
10	15	-4.07e-03	0.30	-3.37e-03	-8.36e-04	-1.37e-05	3.09e-05
10	17	-2.56e-03	0.23	-3.73e-03	-7.66e-04	0.0	-8.69e-06
10	22	-5.76e-03	0.23	-3.47e-03	-7.60e-04	5.19e-06	-2.49e-06
10	23	-2.49e-03	0.25	-3.18e-03	-7.73e-04	-1.32e-06	0.0
10	25	-2.32e-03	0.23	-3.38e-03	-7.58e-04	1.07e-06	-8.37e-06
10	31	-0.02	0.25	-3.89e-03	-8.25e-04	-6.13e-05	1.76e-04
10	43	-4.81e-03	0.18	-4.35e-03	-5.90e-04	6.72e-06	-3.45e-05
10	49	-0.01	0.29	-2.85e-03	-9.36e-04	-4.19e-05	1.14e-04
10	63	-0.01	0.24	-3.63e-03	-7.91e-04	-3.16e-05	8.02e-05
10	75	-3.65e-03	0.21	-3.85e-03	-6.77e-04	3.29e-06	-2.04e-05
10	81	-7.93e-03	0.26	-3.12e-03	-8.44e-04	-2.17e-05	4.96e-05
11	1	0.01	0.19	-0.31	-7.15e-04	-1.46e-03	3.82e-04
11	6	-0.05	0.19	-0.27	-6.73e-04	-1.12e-03	3.52e-04
11	7	-0.01	0.27	-0.28	-7.03e-04	9.67e-04	-1.90e-04
11	9	8.62e-03	0.15	-0.23	-5.45e-04	-1.08e-03	2.84e-04

11	14	-0.03	0.15	-0.20	-5.17e-04	-8.56e-04	2.63e-04
11	15	-9.99e-03	0.20	-0.21	-5.37e-04	5.20e-04	-9.46e-05
11	17	-8.95e-03	0.15	-0.19	-5.17e-04	-9.50e-04	2.57e-04
11	22	-0.01	0.15	-0.18	-5.10e-04	-8.99e-04	2.50e-04
11	23	-8.88e-03	0.16	-0.18	-5.14e-04	-6.28e-04	1.80e-04
11	25	-8.75e-03	0.15	-0.18	-5.12e-04	-9.23e-04	2.51e-04
11	31	-0.07	0.16	-0.18	-4.97e-04	-4.31e-05	1.39e-04
11	35	0.05	0.14	-0.19	-5.25e-04	-1.78e-03	3.63e-04
11	56	0.01	0.20	-0.18	-5.25e-04	1.50e-03	-3.49e-04
11	63	-0.04	0.15	-0.18	-5.04e-04	-5.06e-04	1.98e-04
11	67	0.02	0.15	-0.19	-5.18e-04	-1.32e-03	3.05e-04
11	86	1.91e-03	0.17	-0.18	-5.18e-04	2.33e-04	-3.28e-05
12	4	8.33e-04	0.21	-6.85e-03	-7.44e-04	-1.44e-05	1.09e-04
12	6	-0.03	0.25	-5.01e-03	-8.29e-04	1.29e-04	8.85e-05
12	7	-5.91e-03	0.34	-3.88e-03	-9.15e-04	-9.57e-06	-1.08e-05
12	12	5.66e-04	0.17	-4.96e-03	-5.82e-04	-1.03e-05	7.80e-05
12	14	-0.02	0.20	-3.73e-03	-6.38e-04	8.40e-05	6.37e-05
12	15	-4.20e-03	0.25	-2.92e-03	-7.07e-04	-8.12e-06	-1.91e-06
12	17	-2.32e-03	0.20	-3.31e-03	-6.39e-04	-1.38e-05	4.95e-05
12	22	-5.75e-03	0.19	-3.01e-03	-6.31e-04	5.24e-06	5.14e-05
12	23	-2.32e-03	0.21	-2.83e-03	-6.49e-04	-1.14e-05	3.90e-05
12	25	-2.09e-03	0.19	-3.02e-03	-6.33e-04	-1.29e-05	4.91e-05
12	31	-0.02	0.20	-2.74e-03	-6.58e-04	-6.82e-05	1.82e-04
12	50	9.78e-03	0.14	-4.02e-03	-4.72e-04	3.36e-06	9.34e-05
12	54	6.02e-03	0.24	-2.41e-03	-7.99e-04	3.19e-05	-8.22e-05
12	63	-0.01	0.20	-2.89e-03	-6.45e-04	-4.22e-05	1.13e-04
12	82	5.54e-03	0.17	-3.49e-03	-5.56e-04	1.37e-06	7.14e-05
12	86	3.65e-03	0.22	-2.70e-03	-7.15e-04	1.46e-05	-1.20e-05
13	2	-0.04	0.24	-0.37	-8.66e-04	1.72e-03	-3.61e-04
13	6	-0.05	0.24	-0.33	-8.45e-04	1.71e-03	-3.36e-04
13	7	-0.01	0.32	-0.33	-8.51e-04	-4.48e-04	1.27e-04
13	10	-0.03	0.18	-0.27	-6.52e-04	1.26e-03	-2.67e-04
13	14	-0.03	0.18	-0.25	-6.39e-04	1.25e-03	-2.50e-04
13	15	-9.95e-03	0.24	-0.24	-6.42e-04	-1.71e-04	5.56e-05
13	17	-8.87e-03	0.18	-0.23	-6.21e-04	1.12e-03	-2.45e-04
13	22	-0.01	0.18	-0.22	-6.16e-04	1.11e-03	-2.39e-04
13	23	-8.81e-03	0.19	-0.21	-6.17e-04	8.33e-04	-1.78e-04
13	25	-8.67e-03	0.18	-0.21	-6.15e-04	1.09e-03	-2.39e-04
13	29	-0.06	0.17	-0.22	-6.31e-04	1.96e-03	-3.56e-04
13	31	-0.07	0.20	-0.22	-6.38e-04	6.10e-04	-4.20e-05
13	49	-0.03	0.23	-0.21	-6.33e-04	-1.10e-03	2.96e-04
13	61	-0.03	0.17	-0.22	-6.23e-04	1.50e-03	-2.95e-04
13	63	-0.04	0.19	-0.22	-6.26e-04	8.61e-04	-1.45e-04
13	81	-0.02	0.21	-0.21	-6.24e-04	4.54e-05	1.51e-05
14	3	-0.02	0.21	-0.52	-8.17e-04	-2.65e-05	-1.92e-06
14	6	-0.06	-0.02	-0.50	1.68e-05	-1.12e-04	6.70e-06
14	7	-0.02	0.36	-0.50	-1.37e-03	-2.34e-05	0.0
14	11	-0.01	0.14	-0.39	-5.52e-04	-1.87e-05	-2.21e-06
14	14	-0.04	-9.61e-03	-0.38	3.83e-06	-7.56e-05	3.37e-06
14	15	-0.01	0.25	-0.38	-9.22e-04	-1.66e-05	-1.33e-06
14	17	-0.01	-7.53e-03	-0.37	-2.69e-06	-1.78e-05	-2.80e-06
14	22	-0.02	-7.00e-03	-0.37	-3.25e-06	-2.89e-05	-1.68e-06
14	24	-0.01	-0.05	-0.37	1.36e-04	-1.77e-05	-2.51e-06
14	25	-0.01	-6.83e-03	-0.37	-4.00e-06	-1.74e-05	-2.59e-06
14	29	-0.05	-0.11	-0.37	3.76e-04	-1.38e-04	-2.74e-05
14	49	-0.02	0.36	-0.37	-1.45e-03	-5.95e-05	-5.35e-05

14	53	-7.66e-03	-0.37	-0.36	1.45e-03	2.59e-05	5.11e-05
14	61	-0.03	-0.05	-0.37	1.76e-04	-7.61e-05	-1.54e-05
14	81	-0.02	0.17	-0.37	-6.94e-04	-3.80e-05	-2.76e-05
14	85	-0.01	-0.18	-0.37	6.87e-04	4.29e-06	2.50e-05
15	3	-0.02	0.21	-0.48	-7.89e-04	-6.14e-05	1.86e-05
15	6	-0.06	-3.25e-03	-0.46	-3.31e-05	-1.62e-04	8.52e-05
15	7	-0.02	0.35	-0.47	-1.29e-03	-5.05e-05	-2.46e-05
15	11	-0.02	0.14	-0.37	-5.37e-04	-4.56e-05	1.77e-05
15	14	-0.04	8.54e-04	-0.35	-3.27e-05	-1.13e-04	6.20e-05
15	15	-0.01	0.24	-0.35	-8.75e-04	-3.85e-05	-1.07e-05
15	17	-0.02	1.14e-03	-0.35	-3.11e-05	-5.02e-05	5.37e-05
15	22	-0.02	1.87e-03	-0.34	-3.26e-05	-6.20e-05	5.44e-05
15	23	-0.02	0.05	-0.34	-2.02e-04	-4.71e-05	4.07e-05
15	25	-0.02	1.77e-03	-0.34	-3.21e-05	-4.95e-05	5.32e-05
15	29	-0.06	-0.10	-0.34	3.83e-04	-1.79e-04	5.79e-05
15	54	-1.42e-03	0.34	-0.34	-1.36e-03	3.57e-06	-7.19e-06
15	56	-1.42e-03	0.34	-0.34	-1.36e-03	3.57e-06	-7.19e-06
15	61	-0.04	-0.05	-0.34	1.66e-04	-1.13e-04	5.44e-05
15	86	-8.75e-03	0.16	-0.34	-6.66e-04	-2.35e-05	2.64e-05
15	88	-8.75e-03	0.16	-0.34	-6.66e-04	-2.35e-05	2.64e-05
16	3	-0.02	0.19	-0.52	-8.12e-04	-3.80e-05	-6.07e-06
16	6	-0.06	-0.02	-0.50	1.72e-05	-1.24e-04	1.09e-05
16	7	-0.02	0.32	-0.50	-1.36e-03	-3.38e-05	-1.21e-05
16	11	-0.01	0.13	-0.39	-5.49e-04	-2.74e-05	-4.43e-06
16	14	-0.04	-9.50e-03	-0.38	4.10e-06	-8.48e-05	6.74e-06
16	15	-0.01	0.22	-0.38	-9.17e-04	-2.46e-05	-8.71e-06
16	17	-0.01	-7.61e-03	-0.37	-2.44e-06	-2.66e-05	1.64e-06
16	22	-0.02	-7.10e-03	-0.37	-3.02e-06	-3.76e-05	2.53e-06
16	24	-0.01	-0.05	-0.37	1.36e-04	-2.65e-05	3.82e-06
16	25	-0.01	-6.95e-03	-0.37	-3.77e-06	-2.60e-05	1.77e-06
16	29	-0.05	-0.10	-0.37	3.74e-04	-1.43e-04	-1.05e-05
16	49	-0.02	0.31	-0.37	-1.44e-03	-6.74e-05	-7.05e-05
16	53	-7.74e-03	-0.33	-0.36	1.44e-03	1.64e-05	7.62e-05
16	61	-0.03	-0.05	-0.37	1.75e-04	-8.30e-05	-4.95e-06
16	81	-0.02	0.15	-0.37	-6.90e-04	-4.63e-05	-3.33e-05
16	83	-0.01	-0.16	-0.37	6.83e-04	-4.82e-06	3.88e-05
17	3	5.40e-04	0.02	-0.46	-1.16e-04	1.79e-04	0.0
17	5	0.02	-8.94e-03	-0.44	2.86e-05	2.17e-04	3.87e-06
17	8	4.01e-06	-0.06	-0.44	2.80e-04	1.96e-04	1.03e-05
17	11	3.66e-04	9.68e-03	-0.35	-9.28e-05	1.37e-04	0.0
17	13	0.01	-6.78e-03	-0.33	3.41e-06	1.62e-04	2.77e-06
17	16	1.25e-05	-0.04	-0.33	1.71e-04	1.48e-04	7.05e-06
17	17	2.01e-04	-6.48e-03	-0.33	0.0	1.37e-04	2.33e-06
17	21	2.92e-03	-6.53e-03	-0.33	-3.69e-06	1.41e-04	2.48e-06
17	24	1.57e-04	-0.01	-0.33	2.98e-05	1.38e-04	3.23e-06
17	25	2.03e-04	-6.43e-03	-0.33	-3.73e-06	1.36e-04	2.31e-06
17	33	-0.01	-4.31e-04	-0.34	-6.18e-05	1.07e-04	0.0
17	39	0.01	0.0	-0.32	-6.87e-05	1.59e-04	0.0
17	43	-5.13e-03	-0.03	-0.32	2.03e-04	1.39e-04	1.21e-05
17	65	-5.31e-03	-3.54e-03	-0.33	-3.14e-05	1.22e-04	1.09e-06
17	71	6.28e-03	-3.40e-03	-0.32	-3.46e-05	1.47e-04	0.0
17	85	1.14e-03	-0.02	-0.32	9.37e-05	1.45e-04	7.06e-06
18	3	6.52e-04	0.02	-0.38	-1.55e-04	-2.82e-04	0.0
18	5	0.02	-5.43e-03	-0.37	-1.15e-05	-2.57e-04	2.29e-06
18	8	1.04e-04	-0.05	-0.36	2.36e-04	-2.94e-04	7.31e-06
18	11	4.51e-04	9.83e-03	-0.29	-1.19e-04	-2.12e-04	0.0

18	13	0.01	-4.29e-03	-0.28	-2.32e-05	-1.94e-04	1.59e-06
18	16	8.85e-05	-0.03	-0.28	1.42e-04	-2.19e-04	4.93e-06
18	17	2.81e-04	-4.44e-03	-0.27	-2.72e-05	-2.07e-04	1.23e-06
18	21	3.00e-03	-4.31e-03	-0.27	-3.00e-05	-2.01e-04	1.39e-06
18	24	2.35e-04	-9.97e-03	-0.27	3.03e-06	-2.06e-04	1.95e-06
18	25	2.82e-04	-4.40e-03	-0.27	-3.00e-05	-2.04e-04	1.23e-06
18	40	0.01	1.24e-03	-0.28	-9.34e-05	-1.77e-04	0.0
18	41	0.01	1.85e-04	-0.28	-9.17e-05	-1.77e-04	-1.49e-06
18	50	3.31e-03	-0.02	-0.27	1.77e-04	-2.07e-04	3.11e-06
18	70	6.18e-03	-1.67e-03	-0.28	-6.02e-05	-1.91e-04	0.0
18	71	6.36e-03	-2.17e-03	-0.28	-5.94e-05	-1.91e-04	0.0
18	76	-1.74e-03	-0.01	-0.27	6.90e-05	-2.13e-04	2.18e-06
19	1	0.0	0.0	0.0	0.0	0.0	0.0
19	9	0.0	0.0	0.0	0.0	0.0	0.0
19	17	0.0	0.0	0.0	0.0	0.0	0.0
19	25	0.0	0.0	0.0	0.0	0.0	0.0
19	26	0.0	0.0	0.0	0.0	0.0	0.0
19	58	0.0	0.0	0.0	0.0	0.0	0.0
20	3	6.65e-04	0.02	-0.48	-1.32e-04	-1.87e-04	0.0
20	5	0.02	-6.29e-03	-0.46	3.65e-05	-1.76e-04	2.64e-06
20	8	1.20e-04	-0.05	-0.46	3.20e-04	-1.90e-04	8.06e-06
20	11	4.60e-04	9.92e-03	-0.36	-1.00e-04	-1.38e-04	0.0
20	13	0.01	-4.90e-03	-0.35	1.16e-05	-1.30e-04	1.86e-06
20	16	1.01e-04	-0.03	-0.35	2.01e-04	-1.40e-04	5.46e-06
20	17	2.90e-04	-4.91e-03	-0.34	6.95e-06	-1.33e-04	1.49e-06
20	21	3.01e-03	-4.84e-03	-0.34	3.62e-06	-1.30e-04	1.65e-06
20	24	2.45e-04	-0.01	-0.34	4.14e-05	-1.32e-04	2.26e-06
20	25	2.92e-04	-4.87e-03	-0.34	3.68e-06	-1.31e-04	1.49e-06
20	39	0.01	3.48e-04	-0.34	-6.98e-05	-1.15e-04	-1.35e-06
20	44	-3.88e-03	-0.02	-0.34	2.49e-04	-1.41e-04	3.96e-06
20	54	4.50e-03	0.01	-0.34	-2.41e-04	-1.21e-04	-1.43e-06
20	71	6.38e-03	-2.37e-03	-0.34	-3.13e-05	-1.23e-04	0.0
20	76	-1.73e-03	-0.01	-0.34	1.20e-04	-1.36e-04	2.68e-06
20	86	2.36e-03	4.05e-03	-0.34	-1.13e-04	-1.26e-04	0.0
21	1	0.0	0.0	0.0	0.0	0.0	0.0
21	9	0.0	0.0	0.0	0.0	0.0	0.0
21	17	0.0	0.0	0.0	0.0	0.0	0.0
21	25	0.0	0.0	0.0	0.0	0.0	0.0
21	26	0.0	0.0	0.0	0.0	0.0	0.0
21	58	0.0	0.0	0.0	0.0	0.0	0.0
22	3	-0.02	0.19	-0.48	-7.85e-04	-5.34e-05	9.70e-06
22	6	-0.06	-4.24e-03	-0.46	-3.25e-05	-1.51e-04	7.14e-05
22	7	-0.02	0.31	-0.47	-1.29e-03	-4.51e-05	-3.11e-05
22	11	-0.01	0.13	-0.37	-5.34e-04	-3.94e-05	1.09e-05
22	14	-0.04	-1.22e-04	-0.35	-3.23e-05	-1.04e-04	5.19e-05
22	15	-0.01	0.21	-0.35	-8.71e-04	-3.39e-05	-1.60e-05
22	17	-0.01	2.10e-04	-0.35	-3.07e-05	-4.27e-05	4.52e-05
22	22	-0.02	8.94e-04	-0.34	-3.23e-05	-5.45e-05	4.58e-05
22	23	-0.01	0.04	-0.34	-2.01e-04	-4.04e-05	3.29e-05
22	25	-0.01	8.07e-04	-0.34	-3.18e-05	-4.22e-05	4.48e-05
22	29	-0.05	-0.09	-0.34	3.80e-04	-1.67e-04	5.62e-05
22	54	-1.49e-03	0.30	-0.34	-1.36e-03	6.46e-06	-6.12e-06
22	56	-1.49e-03	0.30	-0.34	-1.36e-03	6.46e-06	-6.12e-06
22	61	-0.03	-0.04	-0.34	1.65e-04	-1.03e-04	4.93e-05
22	86	-8.07e-03	0.14	-0.34	-6.62e-04	-1.83e-05	2.21e-05
23	3	5.31e-04	0.02	-0.46	-8.57e-05	1.91e-04	0.0

23	5	0.02	-9.07e-03	-0.43	5.54e-05	2.20e-04	0.0
23	8	-2.54e-04	-0.06	-0.42	3.04e-04	2.07e-04	0.0
23	11	3.56e-04	9.66e-03	-0.34	-7.08e-05	1.45e-04	0.0
23	13	0.01	-6.88e-03	-0.32	2.32e-05	1.65e-04	0.0
23	16	-1.64e-04	-0.04	-0.32	1.89e-04	1.57e-04	0.0
23	17	1.44e-04	-6.56e-03	-0.32	1.90e-05	1.45e-04	0.0
23	21	2.86e-03	-6.61e-03	-0.32	1.56e-05	1.48e-04	0.0
23	24	7.68e-05	-0.01	-0.32	4.87e-05	1.46e-04	0.0
23	25	1.46e-04	-6.51e-03	-0.32	1.57e-05	1.44e-04	0.0
23	33	-0.01	-4.70e-04	-0.33	-4.28e-05	1.17e-04	0.0
23	39	0.01	-1.08e-05	-0.31	-4.95e-05	1.65e-04	0.0
23	43	-5.31e-03	-0.03	-0.32	2.23e-04	1.48e-04	0.0
23	65	-5.37e-03	-3.60e-03	-0.33	-1.22e-05	1.31e-04	0.0
23	71	6.25e-03	-3.45e-03	-0.32	-1.53e-05	1.54e-04	0.0
23	85	1.03e-03	-0.02	-0.32	1.14e-04	1.53e-04	0.0
24	3	6.61e-04	0.02	-0.37	-1.31e-04	-2.92e-04	0.0
24	5	0.02	-5.35e-03	-0.36	1.15e-05	-2.71e-04	0.0
24	8	-7.83e-05	-0.05	-0.34	2.56e-04	-3.03e-04	0.0
24	11	4.55e-04	9.82e-03	-0.28	-1.01e-04	-2.19e-04	0.0
24	13	0.01	-4.24e-03	-0.28	-6.11e-06	-2.05e-04	0.0
24	16	-3.42e-05	-0.03	-0.26	1.57e-04	-2.26e-04	0.0
24	17	2.50e-04	-4.40e-03	-0.27	-1.11e-05	-2.14e-04	0.0
24	21	2.96e-03	-4.26e-03	-0.26	-1.42e-05	-2.08e-04	0.0
24	24	1.86e-04	-9.90e-03	-0.26	1.84e-05	-2.13e-04	0.0
24	25	2.51e-04	-4.36e-03	-0.26	-1.42e-05	-2.11e-04	0.0
24	38	0.01	1.29e-03	-0.28	-7.53e-05	-1.86e-04	0.0
24	39	0.01	1.83e-04	-0.28	-7.36e-05	-1.85e-04	0.0
24	50	3.30e-03	-0.02	-0.26	1.95e-04	-2.13e-04	0.0
24	70	6.16e-03	-1.62e-03	-0.27	-4.33e-05	-1.99e-04	0.0
24	71	6.35e-03	-2.15e-03	-0.27	-4.25e-05	-1.99e-04	0.0
24	76	-1.76e-03	-0.01	-0.26	8.49e-05	-2.19e-04	0.0
25	4	1.04e-03	-0.04	-0.47	2.10e-04	2.16e-04	0.0
25	5	0.02	-9.07e-03	-0.43	5.10e-05	2.27e-04	0.0
25	8	1.24e-03	-0.06	-0.47	2.99e-04	2.17e-04	0.0
25	12	7.27e-04	-0.03	-0.35	1.26e-04	1.63e-04	0.0
25	13	0.01	-6.87e-03	-0.33	1.96e-05	1.70e-04	0.0
25	16	8.58e-04	-0.04	-0.35	1.85e-04	1.63e-04	0.0
25	17	4.82e-04	-6.56e-03	-0.33	1.47e-05	1.51e-04	0.0
25	21	3.22e-03	-6.61e-03	-0.32	1.20e-05	1.53e-04	0.0
25	24	5.47e-04	-0.01	-0.33	4.50e-05	1.51e-04	0.0
25	25	4.83e-04	-6.51e-03	-0.32	1.18e-05	1.49e-04	0.0
25	37	0.01	-0.01	-0.32	7.41e-05	1.77e-04	0.0
25	43	-6.14e-04	-0.03	-0.35	2.20e-04	1.54e-04	0.0
25	45	-6.14e-04	-0.03	-0.35	2.20e-04	1.54e-04	0.0
25	69	6.61e-03	-9.47e-03	-0.32	4.15e-05	1.63e-04	0.0
25	77	-6.26e-05	-0.02	-0.34	1.11e-04	1.52e-04	0.0
25	85	3.44e-03	-0.02	-0.33	1.11e-04	1.59e-04	0.0
26	4	8.49e-04	-0.03	-0.38	1.61e-04	-3.16e-04	0.0
26	5	0.02	-5.34e-03	-0.36	1.49e-06	-2.77e-04	0.0
26	8	9.77e-04	-0.05	-0.38	2.49e-04	-3.12e-04	0.0
26	12	5.91e-04	-0.02	-0.29	9.26e-05	-2.35e-04	0.0
26	13	0.01	-4.24e-03	-0.27	-1.36e-05	-2.10e-04	0.0
26	16	6.77e-04	-0.03	-0.29	1.51e-04	-2.33e-04	0.0
26	17	4.24e-04	-4.40e-03	-0.26	-1.71e-05	-2.18e-04	0.0
26	21	3.16e-03	-4.26e-03	-0.26	-2.00e-05	-2.13e-04	0.0
26	24	4.65e-04	-9.90e-03	-0.26	1.30e-05	-2.18e-04	0.0

26	25	4.26e-04	-4.36e-03	-0.26	-1.99e-05	-2.16e-04	0.0
26	37	0.01	-9.28e-03	-0.28	3.98e-05	-1.97e-04	0.0
26	50	4.51e-03	-0.02	-0.29	1.90e-04	-2.21e-04	0.0
26	52	4.51e-03	-0.02	-0.29	1.90e-04	-2.21e-04	0.0
26	69	6.50e-03	-6.65e-03	-0.27	8.50e-06	-2.06e-04	0.0
26	76	-1.06e-03	-0.01	-0.27	8.04e-05	-2.25e-04	0.0
26	84	2.44e-03	-0.01	-0.27	7.98e-05	-2.18e-04	0.0
27	4	8.24e-04	-0.04	-0.47	2.11e-04	2.16e-04	0.0
27	5	0.02	-9.07e-03	-0.43	5.11e-05	2.26e-04	0.0
27	8	9.42e-04	-0.06	-0.46	2.99e-04	2.17e-04	0.0
27	12	5.75e-04	-0.03	-0.35	1.26e-04	1.63e-04	0.0
27	13	0.01	-6.87e-03	-0.33	1.97e-05	1.70e-04	0.0
27	16	6.54e-04	-0.04	-0.34	1.85e-04	1.63e-04	0.0
27	17	4.14e-04	-6.56e-03	-0.33	1.48e-05	1.51e-04	0.0
27	21	3.15e-03	-6.61e-03	-0.32	1.21e-05	1.53e-04	0.0
27	24	4.53e-04	-0.01	-0.32	4.51e-05	1.51e-04	0.0
27	25	4.16e-04	-6.51e-03	-0.32	1.19e-05	1.49e-04	0.0
27	37	0.01	-0.01	-0.32	7.42e-05	1.77e-04	0.0
27	43	-8.35e-04	-0.03	-0.35	2.20e-04	1.54e-04	0.0
27	45	-8.35e-04	-0.03	-0.35	2.20e-04	1.54e-04	0.0
27	69	6.53e-03	-9.48e-03	-0.32	4.16e-05	1.63e-04	0.0
27	77	-2.04e-04	-0.02	-0.33	1.11e-04	1.51e-04	0.0
27	85	3.30e-03	-0.02	-0.33	1.11e-04	1.59e-04	0.0
28	4	8.25e-04	-0.04	-0.48	2.18e-04	2.12e-04	0.0
28	5	0.02	-8.80e-03	-0.45	5.77e-05	2.20e-04	0.0
28	8	9.43e-04	-0.06	-0.47	3.07e-04	2.13e-04	0.0
28	12	5.76e-04	-0.03	-0.36	1.32e-04	1.60e-04	0.0
28	13	0.01	-6.68e-03	-0.34	2.45e-05	1.65e-04	0.0
28	16	6.55e-04	-0.04	-0.35	1.91e-04	1.60e-04	0.0
28	17	4.15e-04	-6.39e-03	-0.34	1.97e-05	1.47e-04	0.0
28	21	3.15e-03	-6.44e-03	-0.33	1.69e-05	1.49e-04	0.0
28	24	4.53e-04	-0.01	-0.34	5.01e-05	1.48e-04	0.0
28	25	4.16e-04	-6.35e-03	-0.33	1.68e-05	1.46e-04	0.0
28	37	0.01	-0.01	-0.33	7.96e-05	1.73e-04	0.0
28	43	-8.36e-04	-0.03	-0.36	2.27e-04	1.51e-04	0.0
28	45	-8.36e-04	-0.03	-0.36	2.27e-04	1.51e-04	0.0
28	69	6.53e-03	-9.26e-03	-0.33	4.67e-05	1.59e-04	0.0
28	77	-2.05e-04	-0.02	-0.34	1.17e-04	1.48e-04	0.0
28	85	3.30e-03	-0.02	-0.34	1.17e-04	1.55e-04	0.0
29	4	1.05e-03	-0.04	-0.49	2.19e-04	2.12e-04	0.0
29	5	0.02	-8.80e-03	-0.45	5.86e-05	2.21e-04	0.0
29	8	1.25e-03	-0.06	-0.48	3.08e-04	2.13e-04	0.0
29	12	7.29e-04	-0.03	-0.36	1.32e-04	1.60e-04	0.0
29	13	0.01	-6.68e-03	-0.34	2.51e-05	1.65e-04	0.0
29	16	8.62e-04	-0.04	-0.36	1.92e-04	1.60e-04	0.0
29	17	4.83e-04	-6.39e-03	-0.34	2.02e-05	1.47e-04	0.0
29	21	3.22e-03	-6.44e-03	-0.33	1.74e-05	1.49e-04	0.0
29	24	5.48e-04	-0.01	-0.34	5.06e-05	1.48e-04	0.0
29	25	4.84e-04	-6.35e-03	-0.33	1.73e-05	1.46e-04	0.0
29	37	0.01	-0.01	-0.33	8.02e-05	1.73e-04	0.0
29	43	-6.13e-04	-0.03	-0.36	2.27e-04	1.51e-04	0.0
29	45	-6.13e-04	-0.03	-0.36	2.27e-04	1.51e-04	0.0
29	69	6.61e-03	-9.26e-03	-0.33	4.73e-05	1.59e-04	0.0
29	77	-6.18e-05	-0.02	-0.35	1.17e-04	1.49e-04	0.0
29	85	3.44e-03	-0.02	-0.34	1.17e-04	1.56e-04	0.0
30	4	6.04e-04	-0.04	-0.46	2.10e-04	2.14e-04	0.0

30	5	0.02	-9.07e-03	-0.43	5.07e-05	2.25e-04	0.0
30	8	6.43e-04	-0.06	-0.45	2.99e-04	2.15e-04	0.0
30	12	4.23e-04	-0.03	-0.34	1.26e-04	1.61e-04	0.0
30	13	0.01	-6.87e-03	-0.33	1.95e-05	1.68e-04	0.0
30	16	4.49e-04	-0.04	-0.34	1.85e-04	1.62e-04	0.0
30	17	3.46e-04	-6.56e-03	-0.33	1.46e-05	1.49e-04	0.0
30	21	3.08e-03	-6.61e-03	-0.32	1.19e-05	1.51e-04	0.0
30	24	3.58e-04	-0.01	-0.32	4.49e-05	1.50e-04	0.0
30	25	3.48e-04	-6.51e-03	-0.32	1.17e-05	1.48e-04	0.0
30	41	0.01	-9.74e-06	-0.31	-5.33e-05	1.68e-04	0.0
30	43	-4.73e-03	-0.03	-0.34	2.20e-04	1.52e-04	0.0
30	45	-4.73e-03	-0.03	-0.34	2.20e-04	1.52e-04	0.0
30	73	6.37e-03	-3.45e-03	-0.31	-1.92e-05	1.58e-04	0.0
30	75	-2.12e-03	-0.02	-0.33	1.11e-04	1.50e-04	0.0
30	85	1.40e-03	-0.02	-0.33	1.10e-04	1.57e-04	0.0
31	4	6.04e-04	-0.04	-0.47	2.18e-04	2.09e-04	0.0
31	5	0.02	-8.80e-03	-0.45	5.67e-05	2.18e-04	0.0
31	8	6.43e-04	-0.06	-0.46	3.07e-04	2.10e-04	0.0
31	12	4.23e-04	-0.03	-0.36	1.31e-04	1.57e-04	0.0
31	13	0.01	-6.68e-03	-0.34	2.38e-05	1.63e-04	0.0
31	16	4.50e-04	-0.04	-0.35	1.90e-04	1.58e-04	0.0
31	17	3.47e-04	-6.39e-03	-0.34	1.92e-05	1.45e-04	0.0
31	21	3.08e-03	-6.44e-03	-0.33	1.63e-05	1.47e-04	0.0
31	24	3.59e-04	-0.01	-0.33	4.96e-05	1.46e-04	0.0
31	25	3.48e-04	-6.35e-03	-0.33	1.62e-05	1.44e-04	0.0
31	41	0.01	1.48e-05	-0.32	-4.95e-05	1.64e-04	0.0
31	43	-4.73e-03	-0.03	-0.35	2.27e-04	1.49e-04	0.0
31	45	-4.73e-03	-0.03	-0.35	2.27e-04	1.49e-04	0.0
31	73	6.37e-03	-3.35e-03	-0.33	-1.51e-05	1.54e-04	0.0
31	77	-2.12e-03	-0.02	-0.34	1.17e-04	1.46e-04	0.0
31	85	1.40e-03	-0.02	-0.34	1.16e-04	1.53e-04	0.0
32	2	-0.01	-8.72e-03	-0.46	6.14e-05	1.92e-04	0.0
32	5	0.02	-9.07e-03	-0.43	5.04e-05	2.23e-04	0.0
32	8	3.47e-04	-0.06	-0.44	2.99e-04	2.12e-04	0.0
32	10	-7.74e-03	-6.63e-03	-0.34	2.66e-05	1.46e-04	0.0
32	13	0.01	-6.88e-03	-0.33	1.93e-05	1.67e-04	0.0
32	16	2.47e-04	-0.04	-0.33	1.85e-04	1.60e-04	0.0
32	17	2.79e-04	-6.56e-03	-0.33	1.47e-05	1.48e-04	0.0
32	21	3.00e-03	-6.61e-03	-0.32	1.18e-05	1.50e-04	0.0
32	24	2.65e-04	-0.01	-0.32	4.49e-05	1.49e-04	0.0
32	25	2.81e-04	-6.51e-03	-0.32	1.18e-05	1.47e-04	0.0
32	28	-0.01	-0.01	-0.34	7.75e-05	1.25e-04	0.0
32	41	0.01	-9.94e-06	-0.31	-5.31e-05	1.67e-04	0.0
32	43	-4.91e-03	-0.03	-0.32	2.20e-04	1.51e-04	0.0
32	60	-5.58e-03	-9.06e-03	-0.33	4.30e-05	1.36e-04	0.0
32	71	6.32e-03	-3.45e-03	-0.32	-1.91e-05	1.57e-04	0.0
32	85	1.28e-03	-0.02	-0.32	1.10e-04	1.56e-04	0.0
33	2	-0.01	-8.50e-03	-0.47	6.70e-05	1.85e-04	0.0
33	5	0.02	-8.80e-03	-0.45	5.58e-05	2.14e-04	0.0
33	8	3.40e-04	-0.06	-0.46	3.06e-04	2.05e-04	0.0
33	10	-7.74e-03	-6.47e-03	-0.35	3.07e-05	1.41e-04	0.0
33	13	0.01	-6.68e-03	-0.34	2.32e-05	1.61e-04	0.0
33	16	2.42e-04	-0.04	-0.34	1.90e-04	1.55e-04	0.0
33	17	2.78e-04	-6.39e-03	-0.34	1.86e-05	1.43e-04	0.0
33	21	3.00e-03	-6.44e-03	-0.33	1.56e-05	1.45e-04	0.0
33	24	2.63e-04	-0.01	-0.33	4.89e-05	1.43e-04	0.0

33	25	2.80e-04	-6.35e-03	-0.33	1.56e-05	1.41e-04	0.0
33	28	-0.01	-0.01	-0.34	8.19e-05	1.20e-04	0.0
33	41	0.01	1.34e-05	-0.32	-5.00e-05	1.62e-04	0.0
33	43	-4.91e-03	-0.03	-0.33	2.26e-04	1.46e-04	0.0
33	60	-5.58e-03	-8.90e-03	-0.34	4.71e-05	1.31e-04	0.0
33	73	6.32e-03	-3.35e-03	-0.33	-1.56e-05	1.51e-04	0.0
33	85	1.28e-03	-0.02	-0.33	1.15e-04	1.51e-04	0.0
34	3	5.41e-04	0.02	-0.45	-9.13e-05	1.91e-04	0.0
34	5	0.02	-9.07e-03	-0.43	5.12e-05	2.21e-04	0.0
34	8	5.06e-06	-0.06	-0.43	3.00e-04	2.09e-04	0.0
34	11	3.67e-04	9.66e-03	-0.34	-7.50e-05	1.46e-04	0.0
34	13	0.01	-6.88e-03	-0.32	2.00e-05	1.66e-04	0.0
34	16	1.33e-05	-0.04	-0.33	1.86e-04	1.57e-04	0.0
34	17	2.02e-04	-6.56e-03	-0.32	1.57e-05	1.46e-04	0.0
34	21	2.92e-03	-6.61e-03	-0.32	1.25e-05	1.48e-04	0.0
34	24	1.58e-04	-0.01	-0.32	4.57e-05	1.47e-04	0.0
34	25	2.04e-04	-6.51e-03	-0.32	1.26e-05	1.45e-04	0.0
34	33	-0.01	-4.70e-04	-0.33	-4.64e-05	1.18e-04	0.0
34	39	0.01	-1.09e-05	-0.31	-5.26e-05	1.65e-04	0.0
34	43	-5.13e-03	-0.03	-0.32	2.21e-04	1.48e-04	0.0
34	65	-5.31e-03	-3.60e-03	-0.33	-1.55e-05	1.31e-04	0.0
34	71	6.28e-03	-3.45e-03	-0.32	-1.85e-05	1.55e-04	0.0
34	85	1.14e-03	-0.02	-0.32	1.11e-04	1.54e-04	0.0
35	3	5.42e-04	0.02	-0.47	-8.79e-05	1.83e-04	0.0
35	5	0.02	-8.80e-03	-0.44	5.57e-05	2.12e-04	0.0
35	8	6.49e-06	-0.06	-0.45	3.06e-04	2.01e-04	0.0
35	11	3.68e-04	9.70e-03	-0.35	-7.25e-05	1.39e-04	0.0
35	13	0.01	-6.68e-03	-0.34	2.32e-05	1.59e-04	0.0
35	16	1.44e-05	-0.04	-0.34	1.90e-04	1.52e-04	0.0
35	17	2.03e-04	-6.40e-03	-0.33	1.87e-05	1.40e-04	0.0
35	21	2.92e-03	-6.44e-03	-0.33	1.56e-05	1.42e-04	0.0
35	24	1.59e-04	-0.01	-0.33	4.88e-05	1.41e-04	0.0
35	25	2.05e-04	-6.35e-03	-0.33	1.56e-05	1.39e-04	0.0
35	33	-0.01	-3.89e-04	-0.34	-4.41e-05	1.12e-04	0.0
35	39	0.01	1.35e-05	-0.32	-5.02e-05	1.60e-04	0.0
35	43	-5.13e-03	-0.03	-0.33	2.26e-04	1.43e-04	0.0
35	65	-5.31e-03	-3.48e-03	-0.34	-1.28e-05	1.26e-04	0.0
35	71	6.28e-03	-3.35e-03	-0.33	-1.57e-05	1.49e-04	0.0
35	85	1.14e-03	-0.02	-0.33	1.15e-04	1.48e-04	0.0
36	3	5.31e-04	0.02	-0.47	-8.36e-05	1.83e-04	0.0
36	5	0.02	-8.80e-03	-0.44	5.87e-05	2.11e-04	0.0
36	8	-2.45e-04	-0.06	-0.44	3.08e-04	2.00e-04	0.0
36	11	3.56e-04	9.70e-03	-0.35	-6.93e-05	1.39e-04	0.0
36	13	0.01	-6.68e-03	-0.34	2.56e-05	1.58e-04	0.0
36	16	-1.58e-04	-0.04	-0.33	1.92e-04	1.51e-04	0.0
36	17	1.46e-04	-6.39e-03	-0.33	2.11e-05	1.40e-04	0.0
36	21	2.86e-03	-6.44e-03	-0.33	1.78e-05	1.42e-04	0.0
36	24	7.98e-05	-0.01	-0.33	5.10e-05	1.40e-04	0.0
36	25	1.49e-04	-6.35e-03	-0.33	1.79e-05	1.39e-04	0.0
36	33	-0.01	-3.88e-04	-0.34	-4.14e-05	1.11e-04	0.0
36	39	0.01	1.49e-05	-0.32	-4.79e-05	1.59e-04	0.0
36	43	-5.30e-03	-0.03	-0.33	2.28e-04	1.43e-04	0.0
36	65	-5.36e-03	-3.48e-03	-0.34	-1.03e-05	1.25e-04	0.0
36	71	6.25e-03	-3.35e-03	-0.33	-1.34e-05	1.49e-04	0.0
36	85	1.03e-03	-0.02	-0.33	1.17e-04	1.48e-04	0.0
37	4	8.23e-04	-0.04	-0.49	2.27e-04	2.00e-04	0.0

37	5	0.02	-8.56e-03	-0.46	6.47e-05	2.06e-04	0.0
37	8	9.40e-04	-0.06	-0.49	3.16e-04	2.01e-04	0.0
37	12	5.74e-04	-0.03	-0.37	1.38e-04	1.51e-04	0.0
37	13	0.01	-6.51e-03	-0.35	2.96e-05	1.55e-04	0.0
37	16	6.52e-04	-0.04	-0.36	1.97e-04	1.51e-04	0.0
37	17	4.14e-04	-6.25e-03	-0.35	2.47e-05	1.38e-04	0.0
37	21	3.15e-03	-6.28e-03	-0.34	2.18e-05	1.39e-04	0.0
37	24	4.52e-04	-0.01	-0.34	5.53e-05	1.39e-04	0.0
37	25	4.16e-04	-6.20e-03	-0.34	2.17e-05	1.37e-04	0.0
37	37	0.01	-0.01	-0.34	8.55e-05	1.63e-04	0.0
37	43	-8.41e-04	-0.03	-0.36	2.34e-04	1.43e-04	0.0
37	45	-8.41e-04	-0.03	-0.36	2.34e-04	1.43e-04	0.0
37	69	6.53e-03	-9.08e-03	-0.34	5.21e-05	1.50e-04	0.0
37	75	-2.07e-04	-0.02	-0.35	1.23e-04	1.39e-04	0.0
37	85	3.30e-03	-0.02	-0.35	1.23e-04	1.46e-04	0.0
38	4	1.04e-03	-0.04	-0.50	2.28e-04	2.00e-04	0.0
38	5	0.02	-8.56e-03	-0.46	6.64e-05	2.06e-04	0.0
38	8	1.24e-03	-0.06	-0.49	3.18e-04	2.01e-04	0.0
38	12	7.26e-04	-0.03	-0.37	1.39e-04	1.51e-04	0.0
38	13	0.01	-6.51e-03	-0.35	3.09e-05	1.55e-04	0.0
38	16	8.57e-04	-0.04	-0.37	1.98e-04	1.51e-04	0.0
38	17	4.82e-04	-6.25e-03	-0.35	2.58e-05	1.38e-04	0.0
38	21	3.22e-03	-6.28e-03	-0.34	2.30e-05	1.40e-04	0.0
38	24	5.46e-04	-0.01	-0.35	5.64e-05	1.39e-04	0.0
38	25	4.83e-04	-6.20e-03	-0.34	2.28e-05	1.37e-04	0.0
38	37	0.01	-0.01	-0.34	8.66e-05	1.64e-04	0.0
38	43	-6.19e-04	-0.03	-0.37	2.36e-04	1.43e-04	0.0
38	44	-4.05e-03	-0.02	-0.37	2.38e-04	1.41e-04	0.0
38	69	6.61e-03	-9.08e-03	-0.34	5.32e-05	1.50e-04	0.0
38	77	-6.56e-05	-0.02	-0.36	1.24e-04	1.40e-04	0.0
38	85	3.44e-03	-0.02	-0.35	1.24e-04	1.46e-04	0.0
39	4	6.03e-04	-0.04	-0.49	2.26e-04	1.97e-04	0.0
39	5	0.02	-8.56e-03	-0.46	6.34e-05	2.03e-04	0.0
39	8	6.40e-04	-0.06	-0.48	3.15e-04	1.97e-04	0.0
39	12	4.22e-04	-0.03	-0.36	1.37e-04	1.49e-04	0.0
39	13	0.01	-6.51e-03	-0.35	2.87e-05	1.53e-04	0.0
39	16	4.48e-04	-0.04	-0.36	1.96e-04	1.49e-04	0.0
39	17	3.47e-04	-6.25e-03	-0.34	2.39e-05	1.36e-04	0.0
39	21	3.07e-03	-6.28e-03	-0.34	2.09e-05	1.38e-04	0.0
39	24	3.59e-04	-0.01	-0.34	5.44e-05	1.37e-04	0.0
39	25	3.49e-04	-6.20e-03	-0.34	2.09e-05	1.35e-04	0.0
39	41	0.01	3.91e-05	-0.33	-4.55e-05	1.54e-04	0.0
39	43	-4.74e-03	-0.03	-0.36	2.34e-04	1.40e-04	0.0
39	45	-4.74e-03	-0.03	-0.36	2.34e-04	1.40e-04	0.0
39	73	6.37e-03	-3.26e-03	-0.33	-1.07e-05	1.44e-04	0.0
39	77	-2.12e-03	-0.02	-0.35	1.22e-04	1.37e-04	0.0
39	85	1.40e-03	-0.02	-0.35	1.22e-04	1.44e-04	0.0
40	4	3.84e-04	-0.04	-0.48	2.25e-04	1.94e-04	0.0
40	5	0.02	-8.56e-03	-0.46	6.25e-05	2.00e-04	0.0
40	8	3.44e-04	-0.06	-0.47	3.14e-04	1.94e-04	0.0
40	12	2.71e-04	-0.03	-0.36	1.36e-04	1.46e-04	0.0
40	13	0.01	-6.51e-03	-0.35	2.81e-05	1.50e-04	0.0
40	16	2.45e-04	-0.04	-0.35	1.96e-04	1.46e-04	0.0
40	17	2.80e-04	-6.25e-03	-0.34	2.34e-05	1.34e-04	0.0
40	21	3.00e-03	-6.28e-03	-0.34	2.04e-05	1.36e-04	0.0
40	24	2.65e-04	-0.01	-0.34	5.38e-05	1.35e-04	0.0

40	25	2.82e-04	-6.20e-03	-0.34	2.03e-05	1.33e-04	0.0
40	39	0.01	3.88e-05	-0.33	-4.60e-05	1.52e-04	0.0
40	43	-4.91e-03	-0.03	-0.34	2.33e-04	1.37e-04	0.0
40	44	-3.96e-03	-0.02	-0.35	2.35e-04	1.35e-04	0.0
40	71	6.33e-03	-3.26e-03	-0.34	-1.12e-05	1.42e-04	0.0
40	74	-1.78e-03	-0.01	-0.35	1.22e-04	1.34e-04	0.0
40	85	1.28e-03	-0.02	-0.34	1.21e-04	1.42e-04	0.0
41	3	5.45e-04	0.02	-0.48	-8.24e-05	1.73e-04	0.0
41	5	0.02	-8.56e-03	-0.46	6.22e-05	1.97e-04	0.0
41	8	8.53e-06	-0.06	-0.46	3.13e-04	1.90e-04	0.0
41	11	3.70e-04	9.72e-03	-0.36	-6.85e-05	1.32e-04	0.0
41	13	0.01	-6.51e-03	-0.35	2.79e-05	1.49e-04	0.0
41	16	1.59e-05	-0.04	-0.35	1.95e-04	1.44e-04	0.0
41	17	2.05e-04	-6.25e-03	-0.34	2.33e-05	1.32e-04	0.0
41	21	2.92e-03	-6.28e-03	-0.34	2.01e-05	1.34e-04	0.0
41	24	1.61e-04	-0.01	-0.34	5.35e-05	1.33e-04	0.0
41	25	2.07e-04	-6.20e-03	-0.34	2.01e-05	1.31e-04	0.0
41	33	-0.01	-3.09e-04	-0.35	-4.03e-05	1.05e-04	0.0
41	39	0.01	3.89e-05	-0.33	-4.61e-05	1.50e-04	0.0
41	43	-5.13e-03	-0.03	-0.34	2.32e-04	1.35e-04	0.0
41	65	-5.31e-03	-3.37e-03	-0.34	-8.63e-06	1.18e-04	0.0
41	71	6.28e-03	-3.26e-03	-0.34	-1.14e-05	1.41e-04	0.0
41	85	1.14e-03	-0.02	-0.34	1.20e-04	1.40e-04	0.0
42	3	5.35e-04	0.02	-0.48	-8.13e-05	1.72e-04	0.0
42	5	0.02	-8.56e-03	-0.45	6.25e-05	1.96e-04	0.0
42	8	-2.44e-04	-0.06	-0.45	3.13e-04	1.88e-04	0.0
42	11	3.59e-04	9.72e-03	-0.36	-6.77e-05	1.31e-04	0.0
42	13	0.01	-6.51e-03	-0.34	2.82e-05	1.47e-04	0.0
42	16	-1.57e-04	-0.04	-0.34	1.95e-04	1.42e-04	0.0
42	17	1.48e-04	-6.25e-03	-0.34	2.36e-05	1.31e-04	0.0
42	21	2.86e-03	-6.28e-03	-0.34	2.04e-05	1.33e-04	0.0
42	24	8.17e-05	-0.01	-0.34	5.37e-05	1.32e-04	0.0
42	25	1.51e-04	-6.20e-03	-0.34	2.04e-05	1.30e-04	0.0
42	33	-0.01	-3.09e-04	-0.35	-3.98e-05	1.04e-04	0.0
42	39	0.01	3.83e-05	-0.33	-4.59e-05	1.49e-04	0.0
42	43	-5.30e-03	-0.03	-0.33	2.32e-04	1.34e-04	0.0
42	65	-5.36e-03	-3.37e-03	-0.34	-8.27e-06	1.17e-04	0.0
42	71	6.25e-03	-3.26e-03	-0.34	-1.12e-05	1.39e-04	0.0
42	85	1.03e-03	-0.02	-0.33	1.21e-04	1.39e-04	0.0
43	4	8.69e-04	-0.04	-0.51	2.34e-04	1.78e-04	7.53e-06
43	5	0.02	-8.33e-03	-0.47	7.09e-05	1.81e-04	3.84e-06
43	8	1.00e-03	-0.06	-0.50	3.24e-04	1.78e-04	1.02e-05
43	12	6.06e-04	-0.03	-0.38	1.43e-04	1.35e-04	5.19e-06
43	13	0.01	-6.35e-03	-0.36	3.42e-05	1.36e-04	2.74e-06
43	16	6.95e-04	-0.04	-0.37	2.03e-04	1.35e-04	6.99e-06
43	17	4.29e-04	-6.11e-03	-0.35	2.91e-05	1.22e-04	2.30e-06
43	21	3.16e-03	-6.14e-03	-0.35	2.61e-05	1.23e-04	2.45e-06
43	24	4.72e-04	-0.01	-0.35	5.98e-05	1.22e-04	3.20e-06
43	25	4.30e-04	-6.07e-03	-0.35	2.60e-05	1.20e-04	2.29e-06
43	37	0.01	-0.01	-0.35	9.08e-05	1.46e-04	4.82e-06
43	43	-7.97e-04	-0.03	-0.37	2.42e-04	1.26e-04	1.20e-05
43	44	-4.02e-03	-0.02	-0.37	2.44e-04	1.24e-04	6.81e-06
43	69	6.55e-03	-8.90e-03	-0.35	5.69e-05	1.32e-04	3.59e-06
43	75	-1.78e-04	-0.02	-0.36	1.29e-04	1.23e-04	7.01e-06
43	85	3.33e-03	-0.02	-0.36	1.29e-04	1.29e-04	7.02e-06
44	4	1.03e-03	-0.04	-0.51	2.36e-04	1.79e-04	0.0

44	5	0.02	-8.33e-03	-0.48	7.27e-05	1.82e-04	0.0
44	8	1.23e-03	-0.06	-0.51	3.26e-04	1.79e-04	0.0
44	12	7.20e-04	-0.03	-0.38	1.44e-04	1.35e-04	0.0
44	13	0.01	-6.35e-03	-0.36	3.55e-05	1.37e-04	0.0
44	16	8.49e-04	-0.04	-0.38	2.04e-04	1.35e-04	0.0
44	17	4.79e-04	-6.11e-03	-0.35	3.03e-05	1.22e-04	0.0
44	21	3.22e-03	-6.14e-03	-0.35	2.74e-05	1.23e-04	0.0
44	24	5.42e-04	-0.01	-0.35	6.10e-05	1.23e-04	0.0
44	25	4.80e-04	-6.07e-03	-0.35	2.72e-05	1.21e-04	0.0
44	37	0.01	-0.01	-0.35	9.20e-05	1.46e-04	0.0
44	42	-4.05e-03	-0.02	-0.38	2.45e-04	1.24e-04	0.0
44	43	-6.28e-04	-0.03	-0.38	2.43e-04	1.26e-04	0.0
44	69	6.61e-03	-8.90e-03	-0.35	5.81e-05	1.33e-04	0.0
44	76	-1.72e-03	-0.01	-0.36	1.31e-04	1.22e-04	0.0
44	85	3.43e-03	-0.02	-0.36	1.30e-04	1.30e-04	0.0
45	4	5.99e-04	-0.04	-0.50	2.33e-04	1.77e-04	0.0
45	5	0.02	-8.33e-03	-0.47	6.89e-05	1.80e-04	0.0
45	8	6.36e-04	-0.06	-0.49	3.22e-04	1.76e-04	0.0
45	12	4.20e-04	-0.03	-0.37	1.42e-04	1.34e-04	0.0
45	13	0.01	-6.34e-03	-0.36	3.28e-05	1.36e-04	0.0
45	16	4.45e-04	-0.04	-0.37	2.02e-04	1.33e-04	0.0
45	17	3.46e-04	-6.11e-03	-0.35	2.79e-05	1.21e-04	0.0
45	21	3.07e-03	-6.13e-03	-0.35	2.48e-05	1.22e-04	0.0
45	24	3.57e-04	-0.01	-0.35	5.85e-05	1.21e-04	0.0
45	25	3.48e-04	-6.07e-03	-0.35	2.47e-05	1.19e-04	0.0
45	41	0.01	6.28e-05	-0.34	-3.99e-05	1.38e-04	0.0
45	43	-4.74e-03	-0.03	-0.37	2.40e-04	1.24e-04	0.0
45	45	-4.74e-03	-0.03	-0.37	2.40e-04	1.24e-04	0.0
45	73	6.37e-03	-3.17e-03	-0.34	-6.02e-06	1.28e-04	0.0
45	77	-2.12e-03	-0.02	-0.36	1.27e-04	1.22e-04	0.0
45	85	1.40e-03	-0.02	-0.35	1.27e-04	1.28e-04	0.0
46	2	-0.01	-8.13e-03	-0.49	7.91e-05	1.56e-04	3.02e-06
46	5	0.02	-8.33e-03	-0.47	6.68e-05	1.76e-04	3.84e-06
46	8	1.88e-04	-0.06	-0.47	3.20e-04	1.72e-04	1.02e-05
46	10	-7.77e-03	-6.20e-03	-0.37	3.95e-05	1.20e-04	2.17e-06
46	13	0.01	-6.35e-03	-0.35	3.13e-05	1.33e-04	2.75e-06
46	16	1.38e-04	-0.04	-0.36	2.00e-04	1.30e-04	6.99e-06
46	17	2.45e-04	-6.11e-03	-0.35	2.65e-05	1.18e-04	2.31e-06
46	21	2.97e-03	-6.14e-03	-0.35	2.34e-05	1.19e-04	2.46e-06
46	24	2.17e-04	-0.01	-0.35	5.70e-05	1.19e-04	3.21e-06
46	25	2.47e-04	-6.07e-03	-0.35	2.33e-05	1.17e-04	2.30e-06
46	28	-0.01	-0.01	-0.36	9.12e-05	9.77e-05	4.07e-06
46	39	0.01	6.26e-05	-0.34	-4.37e-05	1.35e-04	0.0
46	43	-5.01e-03	-0.03	-0.34	2.39e-04	1.21e-04	1.20e-05
46	60	-5.61e-03	-8.62e-03	-0.35	5.56e-05	1.07e-04	3.12e-06
46	71	6.31e-03	-3.17e-03	-0.34	-8.57e-06	1.26e-04	0.0
46	85	1.22e-03	-0.02	-0.34	1.25e-04	1.25e-04	7.02e-06
47	3	5.46e-04	0.02	-0.49	-7.96e-05	1.55e-04	0.0
47	5	0.02	-8.33e-03	-0.47	6.62e-05	1.76e-04	0.0
47	8	4.08e-06	-0.06	-0.47	3.19e-04	1.71e-04	0.0
47	11	3.70e-04	9.75e-03	-0.37	-6.64e-05	1.19e-04	0.0
47	13	0.01	-6.34e-03	-0.35	3.08e-05	1.33e-04	0.0
47	16	1.29e-05	-0.04	-0.35	1.99e-04	1.30e-04	0.0
47	17	2.04e-04	-6.11e-03	-0.35	2.61e-05	1.18e-04	0.0
47	21	2.92e-03	-6.13e-03	-0.35	2.29e-05	1.19e-04	0.0
47	24	1.59e-04	-0.01	-0.35	5.65e-05	1.18e-04	0.0

47	25	2.06e-04	-6.07e-03	-0.35	2.29e-05	1.17e-04	0.0
47	33	-0.01	-2.31e-04	-0.35	-3.83e-05	9.19e-05	0.0
47	39	0.01	6.28e-05	-0.34	-4.40e-05	1.35e-04	0.0
47	43	-5.13e-03	-0.03	-0.34	2.38e-04	1.21e-04	0.0
47	65	-5.31e-03	-3.26e-03	-0.35	-6.25e-06	1.05e-04	0.0
47	71	6.28e-03	-3.17e-03	-0.34	-8.94e-06	1.26e-04	0.0
47	85	1.14e-03	-0.02	-0.34	1.24e-04	1.25e-04	0.0
48	3	5.38e-04	0.02	-0.49	-7.97e-05	1.55e-04	0.0
48	5	0.02	-8.33e-03	-0.47	6.54e-05	1.75e-04	0.0
48	8	-2.40e-04	-0.06	-0.46	3.18e-04	1.69e-04	0.0
48	11	3.61e-04	9.75e-03	-0.37	-6.64e-05	1.19e-04	0.0
48	13	0.01	-6.34e-03	-0.35	3.03e-05	1.32e-04	0.0
48	16	-1.54e-04	-0.04	-0.35	1.98e-04	1.28e-04	0.0
48	17	1.50e-04	-6.11e-03	-0.35	2.57e-05	1.18e-04	0.0
48	21	2.86e-03	-6.13e-03	-0.35	2.24e-05	1.18e-04	0.0
48	24	8.41e-05	-0.01	-0.35	5.60e-05	1.18e-04	0.0
48	25	1.53e-04	-6.07e-03	-0.35	2.24e-05	1.16e-04	0.0
48	39	0.01	6.24e-05	-0.34	-4.44e-05	1.34e-04	0.0
48	43	-5.30e-03	-0.03	-0.34	2.37e-04	1.20e-04	0.0
48	49	-1.54e-03	0.01	-0.36	-1.90e-04	9.89e-05	0.0
48	71	6.26e-03	-3.17e-03	-0.34	-9.38e-06	1.25e-04	0.0
48	81	-6.85e-04	3.48e-03	-0.35	-7.88e-05	1.08e-04	0.0
48	85	1.04e-03	-0.02	-0.34	1.24e-04	1.24e-04	0.0
49	4	9.09e-04	-0.04	-0.52	2.40e-04	1.45e-04	0.0
49	5	0.02	-8.02e-03	-0.49	7.59e-05	1.45e-04	0.0
49	8	1.05e-03	-0.06	-0.51	3.30e-04	1.44e-04	0.0
49	12	6.34e-04	-0.02	-0.39	1.47e-04	1.11e-04	0.0
49	13	0.01	-6.13e-03	-0.37	3.79e-05	1.10e-04	0.0
49	16	7.31e-04	-0.04	-0.39	2.07e-04	1.09e-04	0.0
49	17	4.44e-04	-5.93e-03	-0.36	3.27e-05	9.72e-05	0.0
49	21	3.18e-03	-5.94e-03	-0.36	2.97e-05	9.74e-05	0.0
49	24	4.91e-04	-0.01	-0.36	6.35e-05	9.72e-05	0.0
49	25	4.45e-04	-5.88e-03	-0.36	2.95e-05	9.53e-05	0.0
49	37	0.01	-0.01	-0.36	9.48e-05	1.18e-04	0.0
49	43	-7.62e-04	-0.03	-0.38	2.47e-04	1.00e-04	0.0
49	44	-4.03e-03	-0.02	-0.38	2.49e-04	9.86e-05	0.0
49	69	6.56e-03	-8.67e-03	-0.36	6.06e-05	1.07e-04	0.0
49	74	-1.72e-03	-0.01	-0.37	1.34e-04	9.68e-05	0.0
49	85	3.35e-03	-0.02	-0.37	1.33e-04	1.04e-04	0.0
50	4	1.03e-03	-0.04	-0.52	2.40e-04	1.51e-04	0.0
50	5	0.02	-8.02e-03	-0.49	7.63e-05	1.51e-04	0.0
50	8	1.22e-03	-0.06	-0.52	3.30e-04	1.50e-04	0.0
50	12	7.15e-04	-0.02	-0.39	1.47e-04	1.15e-04	0.0
50	13	0.01	-6.13e-03	-0.37	3.82e-05	1.15e-04	0.0
50	16	8.41e-04	-0.04	-0.39	2.08e-04	1.14e-04	0.0
50	17	4.78e-04	-5.93e-03	-0.36	3.29e-05	1.02e-04	0.0
50	21	3.21e-03	-5.94e-03	-0.36	2.99e-05	1.02e-04	0.0
50	24	5.40e-04	-0.01	-0.36	6.37e-05	1.02e-04	0.0
50	25	4.79e-04	-5.88e-03	-0.36	2.98e-05	1.00e-04	0.0
50	37	0.01	-0.01	-0.36	9.51e-05	1.23e-04	0.0
50	43	-6.40e-04	-0.03	-0.39	2.47e-04	1.05e-04	0.0
50	44	-4.05e-03	-0.02	-0.39	2.49e-04	1.03e-04	0.0
50	69	6.60e-03	-8.67e-03	-0.36	6.09e-05	1.11e-04	0.0
50	74	-1.72e-03	-0.01	-0.37	1.34e-04	1.01e-04	0.0
50	85	3.43e-03	-0.02	-0.37	1.33e-04	1.08e-04	0.0
51	4	5.95e-04	-0.04	-0.51	2.36e-04	1.51e-04	0.0

51	5	0.02	-8.10e-03	-0.48	7.20e-05	1.51e-04	0.0
51	8	6.28e-04	-0.06	-0.50	3.26e-04	1.49e-04	0.0
51	12	4.17e-04	-0.03	-0.38	1.45e-04	1.14e-04	0.0
51	13	0.01	-6.18e-03	-0.36	3.51e-05	1.15e-04	0.0
51	16	4.40e-04	-0.04	-0.37	2.05e-04	1.13e-04	0.0
51	17	3.47e-04	-5.97e-03	-0.36	3.00e-05	1.01e-04	0.0
51	21	3.07e-03	-5.99e-03	-0.35	2.69e-05	1.02e-04	0.0
51	24	3.57e-04	-0.01	-0.36	6.08e-05	1.01e-04	0.0
51	25	3.48e-04	-5.93e-03	-0.35	2.69e-05	9.95e-05	0.0
51	41	0.01	8.81e-05	-0.34	-3.81e-05	1.16e-04	0.0
51	43	-4.74e-03	-0.03	-0.37	2.44e-04	1.05e-04	0.0
51	45	-4.74e-03	-0.03	-0.37	2.44e-04	1.05e-04	0.0
51	73	6.37e-03	-3.08e-03	-0.35	-4.05e-06	1.08e-04	0.0
51	77	-2.12e-03	-0.02	-0.36	1.30e-04	1.02e-04	0.0
51	85	1.39e-03	-0.02	-0.36	1.30e-04	1.08e-04	0.0
52	4	3.82e-04	-0.04	-0.50	2.35e-04	1.49e-04	0.0
52	5	0.02	-8.10e-03	-0.48	7.03e-05	1.50e-04	0.0
52	8	3.38e-04	-0.06	-0.49	3.25e-04	1.47e-04	0.0
52	12	2.70e-04	-0.03	-0.38	1.44e-04	1.13e-04	0.0
52	13	0.01	-6.18e-03	-0.36	3.38e-05	1.14e-04	0.0
52	16	2.42e-04	-0.04	-0.37	2.03e-04	1.12e-04	0.0
52	17	2.82e-04	-5.97e-03	-0.36	2.89e-05	1.01e-04	0.0
52	21	3.00e-03	-5.99e-03	-0.35	2.58e-05	1.01e-04	0.0
52	24	2.66e-04	-0.01	-0.36	5.96e-05	1.00e-04	0.0
52	25	2.84e-04	-5.93e-03	-0.35	2.57e-05	9.87e-05	0.0
52	41	0.01	8.81e-05	-0.35	-3.92e-05	1.15e-04	0.0
52	43	-4.91e-03	-0.03	-0.37	2.42e-04	1.03e-04	0.0
52	45	-4.91e-03	-0.03	-0.37	2.42e-04	1.03e-04	0.0
52	73	6.33e-03	-3.08e-03	-0.35	-5.17e-06	1.07e-04	0.0
52	77	-2.24e-03	-0.02	-0.36	1.29e-04	1.01e-04	0.0
52	85	1.28e-03	-0.02	-0.36	1.29e-04	1.07e-04	0.0
53	3	5.51e-04	0.02	-0.50	-7.85e-05	1.32e-04	0.0
53	5	0.02	-8.10e-03	-0.48	6.87e-05	1.48e-04	0.0
53	8	1.21e-05	-0.06	-0.48	3.23e-04	1.45e-04	0.0
53	11	3.74e-04	9.78e-03	-0.37	-6.54e-05	1.02e-04	0.0
53	13	0.01	-6.18e-03	-0.36	3.27e-05	1.13e-04	0.0
53	16	1.87e-05	-0.04	-0.36	2.02e-04	1.11e-04	0.0
53	17	2.09e-04	-5.97e-03	-0.36	2.79e-05	9.97e-05	0.0
53	21	2.93e-03	-5.99e-03	-0.35	2.47e-05	1.00e-04	0.0
53	24	1.64e-04	-0.01	-0.35	5.85e-05	9.94e-05	0.0
53	25	2.11e-04	-5.93e-03	-0.35	2.47e-05	9.78e-05	0.0
53	33	-0.01	-1.51e-04	-0.36	-3.74e-05	7.48e-05	0.0
53	39	0.01	8.91e-05	-0.35	-4.29e-05	1.15e-04	0.0
53	43	-5.13e-03	-0.03	-0.35	2.42e-04	1.02e-04	0.0
53	65	-5.31e-03	-3.16e-03	-0.36	-4.90e-06	8.67e-05	0.0
53	71	6.29e-03	-3.08e-03	-0.35	-7.48e-06	1.06e-04	0.0
53	85	1.15e-03	-0.02	-0.35	1.27e-04	1.06e-04	0.0
54	3	5.41e-04	0.02	-0.50	-7.91e-05	1.32e-04	0.0
54	5	0.02	-8.10e-03	-0.48	6.76e-05	1.48e-04	0.0
54	8	-2.34e-04	-0.06	-0.47	3.22e-04	1.43e-04	0.0
54	11	3.64e-04	9.78e-03	-0.38	-6.59e-05	1.02e-04	0.0
54	13	0.01	-6.18e-03	-0.36	3.19e-05	1.12e-04	0.0
54	16	-1.49e-04	-0.04	-0.36	2.01e-04	1.09e-04	0.0
54	17	1.54e-04	-5.97e-03	-0.36	2.72e-05	9.91e-05	0.0
54	21	2.87e-03	-5.99e-03	-0.35	2.39e-05	9.94e-05	0.0
54	24	8.77e-05	-0.01	-0.35	5.78e-05	9.88e-05	0.0

54	25	1.56e-04	-5.93e-03	-0.35	2.39e-05	9.73e-05	0.0
54	39	0.01	8.79e-05	-0.35	-4.36e-05	1.14e-04	0.0
54	43	-5.30e-03	-0.03	-0.35	2.41e-04	1.01e-04	0.0
54	49	-1.54e-03	0.01	-0.36	-1.91e-04	8.13e-05	0.0
54	71	6.26e-03	-3.08e-03	-0.35	-8.23e-06	1.06e-04	0.0
54	81	-6.83e-04	3.48e-03	-0.36	-7.86e-05	8.95e-05	0.0
54	85	1.04e-03	-0.02	-0.35	1.27e-04	1.05e-04	0.0
55	4	8.96e-04	-0.04	-0.53	2.43e-04	1.05e-04	0.0
55	5	0.02	-7.84e-03	-0.49	7.75e-05	1.02e-04	0.0
55	8	1.03e-03	-0.05	-0.52	3.34e-04	1.03e-04	0.0
55	12	6.24e-04	-0.02	-0.39	1.50e-04	8.13e-05	0.0
55	13	0.01	-5.99e-03	-0.37	3.92e-05	7.88e-05	0.0
55	16	7.17e-04	-0.04	-0.39	2.10e-04	7.99e-05	0.0
55	17	4.42e-04	-5.82e-03	-0.37	3.39e-05	6.78e-05	0.0
55	21	3.18e-03	-5.82e-03	-0.36	3.08e-05	6.75e-05	0.0
55	24	4.87e-04	-0.01	-0.37	6.50e-05	6.76e-05	0.0
55	25	4.44e-04	-5.77e-03	-0.36	3.07e-05	6.58e-05	0.0
55	37	0.01	-0.01	-0.37	9.68e-05	8.70e-05	0.0
55	43	-7.82e-04	-0.03	-0.39	2.50e-04	7.22e-05	0.0
55	44	-4.03e-03	-0.02	-0.39	2.52e-04	7.05e-05	0.0
55	69	6.56e-03	-8.53e-03	-0.36	6.22e-05	7.62e-05	0.0
55	76	-1.73e-03	-0.01	-0.37	1.36e-04	6.80e-05	0.0
55	85	3.34e-03	-0.02	-0.37	1.35e-04	7.41e-05	0.0
56	4	9.94e-04	-0.04	-0.53	2.44e-04	9.55e-05	0.0
56	5	0.02	-7.84e-03	-0.49	7.80e-05	9.11e-05	0.0
56	8	1.17e-03	-0.05	-0.53	3.35e-04	9.34e-05	0.0
56	12	6.92e-04	-0.02	-0.40	1.50e-04	7.41e-05	0.0
56	13	0.01	-5.99e-03	-0.37	3.95e-05	7.12e-05	0.0
56	16	8.08e-04	-0.04	-0.39	2.11e-04	7.27e-05	0.0
56	17	4.72e-04	-5.82e-03	-0.37	3.43e-05	6.07e-05	0.0
56	21	3.21e-03	-5.82e-03	-0.36	3.12e-05	6.02e-05	0.0
56	24	5.29e-04	-0.01	-0.37	6.54e-05	6.05e-05	0.0
56	25	4.73e-04	-5.77e-03	-0.36	3.11e-05	5.87e-05	0.0
56	37	0.01	-0.01	-0.37	9.73e-05	7.95e-05	0.0
56	43	-6.85e-04	-0.03	-0.39	2.51e-04	6.51e-05	0.0
56	44	-4.06e-03	-0.02	-0.39	2.53e-04	6.36e-05	0.0
56	69	6.60e-03	-8.53e-03	-0.36	6.26e-05	6.88e-05	0.0
56	74	-1.72e-03	-0.01	-0.38	1.37e-04	6.10e-05	0.0
56	85	3.40e-03	-0.02	-0.38	1.36e-04	6.69e-05	0.0
57	4	5.89e-04	-0.04	-0.52	2.39e-04	1.16e-04	0.0
57	5	0.02	-7.88e-03	-0.49	7.32e-05	1.14e-04	0.0
57	8	6.18e-04	-0.05	-0.51	3.29e-04	1.14e-04	0.0
57	12	4.13e-04	-0.02	-0.39	1.46e-04	8.92e-05	0.0
57	13	0.01	-6.02e-03	-0.37	3.60e-05	8.76e-05	0.0
57	16	4.33e-04	-0.04	-0.38	2.07e-04	8.77e-05	0.0
57	17	3.47e-04	-5.84e-03	-0.36	3.10e-05	7.61e-05	0.0
57	21	3.07e-03	-5.84e-03	-0.36	2.78e-05	7.59e-05	0.0
57	24	3.56e-04	-0.01	-0.36	6.19e-05	7.58e-05	0.0
57	25	3.49e-04	-5.79e-03	-0.36	2.77e-05	7.41e-05	0.0
57	41	0.01	1.12e-04	-0.35	-3.77e-05	8.91e-05	0.0
57	43	-4.75e-03	-0.03	-0.38	2.46e-04	7.93e-05	0.0
57	45	-4.75e-03	-0.03	-0.38	2.46e-04	7.93e-05	0.0
57	71	6.37e-03	-3.00e-03	-0.36	-3.39e-06	8.15e-05	0.0
57	77	-2.12e-03	-0.02	-0.37	1.32e-04	7.66e-05	0.0
57	85	1.39e-03	-0.02	-0.37	1.32e-04	8.20e-05	0.0
58	4	2.74e-04	-0.04	-0.51	2.37e-04	1.10e-04	7.15e-06

58	5	0.02	-7.84e-03	-0.49	7.08e-05	1.08e-04	3.68e-06
58	8	1.91e-04	-0.05	-0.49	3.28e-04	1.07e-04	9.70e-06
58	12	1.96e-04	-0.02	-0.38	1.45e-04	8.45e-05	4.93e-06
58	13	0.01	-6.00e-03	-0.37	3.43e-05	8.35e-05	2.62e-06
58	16	1.41e-04	-0.04	-0.37	2.06e-04	8.25e-05	6.63e-06
58	17	2.51e-04	-5.82e-03	-0.36	2.94e-05	7.22e-05	2.20e-06
58	21	2.97e-03	-5.82e-03	-0.36	2.62e-05	7.20e-05	2.35e-06
58	24	2.22e-04	-0.01	-0.36	6.04e-05	7.17e-05	3.05e-06
58	25	2.53e-04	-5.77e-03	-0.36	2.61e-05	7.03e-05	2.19e-06
58	41	0.01	1.16e-04	-0.36	-3.96e-05	8.52e-05	0.0
58	43	-5.01e-03	-0.03	-0.36	2.46e-04	7.46e-05	1.17e-05
58	44	-3.96e-03	-0.02	-0.37	2.48e-04	7.25e-05	6.40e-06
58	71	6.32e-03	-2.98e-03	-0.36	-5.15e-06	7.76e-05	0.0
58	76	-1.79e-03	-0.01	-0.36	1.32e-04	7.13e-05	4.20e-06
58	85	1.22e-03	-0.02	-0.36	1.31e-04	7.76e-05	6.80e-06
59	3	5.54e-04	0.02	-0.50	-7.87e-05	1.02e-04	0.0
59	5	0.02	-7.88e-03	-0.48	7.02e-05	1.14e-04	0.0
59	8	1.46e-05	-0.05	-0.49	3.27e-04	1.11e-04	0.0
59	11	3.76e-04	9.81e-03	-0.38	-6.54e-05	7.94e-05	0.0
59	13	0.01	-6.02e-03	-0.37	3.39e-05	8.75e-05	0.0
59	16	2.05e-05	-0.04	-0.37	2.05e-04	8.59e-05	0.0
59	17	2.11e-04	-5.84e-03	-0.36	2.90e-05	7.61e-05	0.0
59	21	2.93e-03	-5.84e-03	-0.36	2.58e-05	7.59e-05	0.0
59	24	1.66e-04	-0.01	-0.36	6.00e-05	7.55e-05	0.0
59	25	2.13e-04	-5.79e-03	-0.36	2.58e-05	7.41e-05	0.0
59	33	-0.01	-7.29e-05	-0.36	-4.00e-05	5.33e-05	0.0
59	39	0.01	1.12e-04	-0.36	-3.99e-05	8.93e-05	0.0
59	43	-5.13e-03	-0.03	-0.36	2.45e-04	7.82e-05	0.0
59	65	-5.31e-03	-3.05e-03	-0.36	-5.56e-06	6.40e-05	0.0
59	71	6.29e-03	-3.00e-03	-0.36	-5.49e-06	8.16e-05	0.0
59	85	1.15e-03	-0.02	-0.36	1.30e-04	8.14e-05	0.0
60	3	5.44e-04	0.02	-0.51	-7.97e-05	1.02e-04	0.0
60	5	0.02	-7.88e-03	-0.48	6.88e-05	1.13e-04	0.0
60	8	-2.27e-04	-0.05	-0.48	3.26e-04	1.10e-04	0.0
60	11	3.66e-04	9.81e-03	-0.38	-6.61e-05	7.97e-05	0.0
60	13	0.01	-6.02e-03	-0.37	3.29e-05	8.72e-05	0.0
60	16	-1.45e-04	-0.04	-0.36	2.04e-04	8.49e-05	0.0
60	17	1.57e-04	-5.84e-03	-0.36	2.81e-05	7.58e-05	0.0
60	21	2.87e-03	-5.84e-03	-0.36	2.48e-05	7.56e-05	0.0
60	24	9.10e-05	-0.01	-0.36	5.90e-05	7.51e-05	0.0
60	25	1.59e-04	-5.79e-03	-0.36	2.48e-05	7.38e-05	0.0
60	39	0.01	1.12e-04	-0.36	-4.09e-05	8.90e-05	0.0
60	43	-5.30e-03	-0.03	-0.35	2.44e-04	7.78e-05	0.0
60	49	-1.53e-03	0.01	-0.36	-1.95e-04	5.92e-05	0.0
60	71	6.27e-03	-3.00e-03	-0.36	-6.47e-06	8.13e-05	0.0
60	81	-6.80e-04	3.48e-03	-0.36	-7.97e-05	6.67e-05	0.0
60	85	1.04e-03	-0.02	-0.35	1.29e-04	8.10e-05	0.0
61	4	7.82e-04	-0.04	-0.53	2.43e-04	7.49e-05	0.0
61	5	0.02	-7.66e-03	-0.50	7.55e-05	7.00e-05	0.0
61	8	8.82e-04	-0.05	-0.52	3.34e-04	7.28e-05	0.0
61	12	5.46e-04	-0.02	-0.40	1.49e-04	5.90e-05	0.0
61	13	0.01	-5.86e-03	-0.37	3.79e-05	5.58e-05	0.0
61	16	6.13e-04	-0.04	-0.39	2.10e-04	5.77e-05	0.0
61	17	4.06e-04	-5.71e-03	-0.37	3.27e-05	4.62e-05	0.0
61	21	3.14e-03	-5.70e-03	-0.36	2.96e-05	4.57e-05	0.0
61	24	4.38e-04	-0.01	-0.37	6.41e-05	4.60e-05	0.0

61	25	4.07e-04	-5.66e-03	-0.36	2.95e-05	4.43e-05	0.0
61	37	0.01	-0.01	-0.37	9.64e-05	6.36e-05	0.0
61	43	-9.02e-04	-0.02	-0.39	2.52e-04	5.08e-05	0.0
61	44	-4.01e-03	-0.02	-0.39	2.54e-04	4.92e-05	0.0
61	69	6.52e-03	-8.40e-03	-0.37	6.14e-05	5.37e-05	0.0
61	74	-1.74e-03	-0.01	-0.38	1.36e-04	4.66e-05	0.0
61	85	3.27e-03	-0.01	-0.37	1.35e-04	5.21e-05	0.0
62	4	9.84e-04	-0.04	-0.54	2.47e-04	7.48e-05	0.0
62	5	0.02	-7.66e-03	-0.50	7.98e-05	6.98e-05	0.0
62	8	1.16e-03	-0.05	-0.53	3.38e-04	7.28e-05	0.0
62	12	6.85e-04	-0.02	-0.40	1.52e-04	5.90e-05	0.0
62	13	0.01	-5.86e-03	-0.38	4.10e-05	5.57e-05	0.0
62	16	8.00e-04	-0.04	-0.40	2.13e-04	5.76e-05	0.0
62	17	4.68e-04	-5.71e-03	-0.37	3.57e-05	4.61e-05	0.0
62	21	3.20e-03	-5.70e-03	-0.37	3.26e-05	4.56e-05	0.0
62	24	5.24e-04	-0.01	-0.37	6.70e-05	4.59e-05	0.0
62	25	4.69e-04	-5.66e-03	-0.37	3.24e-05	4.42e-05	0.0
62	37	0.01	-0.01	-0.37	9.94e-05	6.36e-05	0.0
62	43	-7.00e-04	-0.02	-0.39	2.55e-04	5.08e-05	0.0
62	44	-4.06e-03	-0.02	-0.40	2.57e-04	4.92e-05	0.0
62	69	6.59e-03	-8.40e-03	-0.37	6.43e-05	5.36e-05	0.0
62	76	-1.73e-03	-0.01	-0.38	1.39e-04	4.66e-05	0.0
62	85	3.40e-03	-0.01	-0.38	1.38e-04	5.21e-05	0.0
63	4	5.81e-04	-0.04	-0.52	2.40e-04	7.51e-05	0.0
63	5	0.02	-7.66e-03	-0.49	7.24e-05	7.11e-05	0.0
63	8	6.08e-04	-0.05	-0.51	3.31e-04	7.25e-05	0.0
63	12	4.07e-04	-0.02	-0.39	1.47e-04	5.92e-05	0.0
63	13	0.01	-5.86e-03	-0.37	3.56e-05	5.65e-05	0.0
63	16	4.26e-04	-0.04	-0.38	2.08e-04	5.75e-05	0.0
63	17	3.44e-04	-5.71e-03	-0.37	3.06e-05	4.69e-05	0.0
63	21	3.07e-03	-5.70e-03	-0.36	2.75e-05	4.64e-05	0.0
63	24	3.52e-04	-0.01	-0.37	6.19e-05	4.65e-05	0.0
63	25	3.46e-04	-5.66e-03	-0.36	2.74e-05	4.50e-05	0.0
63	37	0.01	-0.01	-0.37	9.42e-05	6.39e-05	0.0
63	43	-1.08e-03	-0.02	-0.38	2.50e-04	5.05e-05	0.0
63	45	-1.08e-03	-0.02	-0.38	2.50e-04	5.05e-05	0.0
63	69	6.45e-03	-8.40e-03	-0.36	5.92e-05	5.42e-05	0.0
63	77	-3.60e-04	-0.01	-0.37	1.33e-04	4.76e-05	0.0
63	85	3.16e-03	-0.01	-0.37	1.33e-04	5.23e-05	0.0
64	4	3.75e-04	-0.04	-0.51	2.38e-04	7.53e-05	0.0
64	5	0.02	-7.66e-03	-0.49	7.05e-05	7.23e-05	0.0
64	8	3.29e-04	-0.05	-0.50	3.30e-04	7.21e-05	0.0
64	12	2.66e-04	-0.02	-0.39	1.46e-04	5.93e-05	0.0
64	13	0.01	-5.86e-03	-0.37	3.42e-05	5.72e-05	0.0
64	16	2.35e-04	-0.04	-0.38	2.07e-04	5.71e-05	0.0
64	17	2.81e-04	-5.71e-03	-0.37	2.93e-05	4.75e-05	0.0
64	21	3.00e-03	-5.70e-03	-0.36	2.61e-05	4.71e-05	0.0
64	24	2.64e-04	-0.01	-0.36	6.06e-05	4.70e-05	0.0
64	25	2.83e-04	-5.66e-03	-0.36	2.61e-05	4.56e-05	0.0
64	39	0.01	1.37e-04	-0.36	-4.05e-05	5.87e-05	0.0
64	43	-4.92e-03	-0.02	-0.37	2.49e-04	5.02e-05	0.0
64	45	-4.92e-03	-0.02	-0.37	2.49e-04	5.02e-05	0.0
64	71	6.33e-03	-2.91e-03	-0.36	-5.59e-06	5.20e-05	0.0
64	75	-2.24e-03	-0.01	-0.37	1.32e-04	4.78e-05	0.0
64	85	1.28e-03	-0.01	-0.37	1.32e-04	5.25e-05	0.0
65	3	5.54e-04	0.02	-0.51	-8.18e-05	6.49e-05	0.0

65	5	0.02	-7.66e-03	-0.49	6.91e-05	7.32e-05	0.0
65	8	1.36e-05	-0.05	-0.49	3.29e-04	7.13e-05	0.0
65	11	3.77e-04	9.83e-03	-0.38	-6.74e-05	5.23e-05	0.0
65	13	0.01	-5.86e-03	-0.37	3.32e-05	5.78e-05	0.0
65	16	1.98e-05	-0.04	-0.37	2.06e-04	5.65e-05	0.0
65	17	2.11e-04	-5.71e-03	-0.37	2.84e-05	4.81e-05	0.0
65	21	2.93e-03	-5.70e-03	-0.36	2.50e-05	4.76e-05	0.0
65	24	1.66e-04	-0.01	-0.36	5.96e-05	4.73e-05	0.0
65	25	2.13e-04	-5.66e-03	-0.36	2.50e-05	4.62e-05	0.0
65	33	-0.01	8.09e-06	-0.37	-4.19e-05	2.79e-05	0.0
65	39	0.01	1.37e-04	-0.36	-4.17e-05	5.94e-05	0.0
65	43	-5.13e-03	-0.02	-0.36	2.48e-04	5.02e-05	0.0
65	65	-5.31e-03	-2.95e-03	-0.36	-6.82e-06	3.73e-05	0.0
65	71	6.29e-03	-2.91e-03	-0.36	-6.72e-06	5.27e-05	0.0
65	85	1.15e-03	-0.01	-0.36	1.31e-04	5.28e-05	0.0
66	3	5.46e-04	0.02	-0.51	-8.25e-05	6.65e-05	0.0
66	5	0.02	-7.66e-03	-0.49	6.79e-05	7.40e-05	0.0
66	8	-2.23e-04	-0.05	-0.48	3.27e-04	7.08e-05	0.0
66	11	3.68e-04	9.83e-03	-0.39	-6.79e-05	5.33e-05	0.0
66	13	0.01	-5.86e-03	-0.37	3.24e-05	5.83e-05	0.0
66	16	-1.42e-04	-0.04	-0.37	2.05e-04	5.62e-05	0.0
66	17	1.59e-04	-5.71e-03	-0.37	2.75e-05	4.86e-05	0.0
66	21	2.87e-03	-5.70e-03	-0.36	2.41e-05	4.82e-05	0.0
66	24	9.29e-05	-0.01	-0.36	5.87e-05	4.77e-05	0.0
66	25	1.61e-04	-5.66e-03	-0.36	2.41e-05	4.68e-05	0.0
66	39	0.01	1.37e-04	-0.36	-4.25e-05	5.99e-05	0.0
66	43	-5.29e-03	-0.02	-0.36	2.47e-04	5.06e-05	0.0
66	49	-1.53e-03	0.01	-0.37	-1.98e-04	3.34e-05	0.0
66	71	6.27e-03	-2.91e-03	-0.36	-7.54e-06	5.32e-05	0.0
66	81	-6.79e-04	3.48e-03	-0.36	-8.19e-05	4.03e-05	0.0
66	85	1.05e-03	-0.01	-0.36	1.30e-04	5.33e-05	0.0
67	4	7.70e-04	-0.04	-0.53	2.42e-04	2.99e-05	0.0
67	5	0.02	-7.45e-03	-0.50	7.26e-05	2.56e-05	0.0
67	8	8.66e-04	-0.05	-0.52	3.34e-04	2.82e-05	0.0
67	12	5.37e-04	-0.02	-0.40	1.49e-04	2.62e-05	0.0
67	13	0.01	-5.71e-03	-0.38	3.60e-05	2.33e-05	0.0
67	16	6.02e-04	-0.04	-0.39	2.10e-04	2.50e-05	0.0
67	17	4.01e-04	-5.58e-03	-0.37	3.10e-05	1.58e-05	0.0
67	21	3.13e-03	-5.57e-03	-0.37	2.79e-05	1.54e-05	0.0
67	24	4.32e-04	-0.01	-0.37	6.27e-05	1.56e-05	0.0
67	25	4.02e-04	-5.54e-03	-0.37	2.78e-05	1.43e-05	0.0
67	37	0.01	-0.01	-0.37	9.56e-05	3.09e-05	0.0
67	43	-9.28e-04	-0.02	-0.39	2.53e-04	2.00e-05	0.0
67	44	-4.01e-03	-0.02	-0.39	2.56e-04	1.84e-05	0.0
67	69	6.51e-03	-8.24e-03	-0.37	6.01e-05	2.24e-05	0.0
67	76	-1.74e-03	-0.01	-0.38	1.36e-04	1.62e-05	0.0
67	85	3.26e-03	-0.01	-0.38	1.35e-04	2.11e-05	0.0
68	4	9.68e-04	-0.04	-0.54	2.46e-04	2.98e-05	0.0
68	5	0.02	-7.45e-03	-0.50	7.68e-05	2.54e-05	0.0
68	8	1.14e-03	-0.05	-0.53	3.38e-04	2.81e-05	0.0
68	12	6.74e-04	-0.02	-0.40	1.52e-04	2.61e-05	0.0
68	13	0.01	-5.71e-03	-0.38	3.92e-05	2.32e-05	0.0
68	16	7.86e-04	-0.04	-0.40	2.14e-04	2.50e-05	0.0
68	17	4.61e-04	-5.58e-03	-0.37	3.39e-05	1.57e-05	0.0
68	21	3.20e-03	-5.57e-03	-0.37	3.08e-05	1.53e-05	0.0
68	24	5.16e-04	-0.01	-0.37	6.56e-05	1.56e-05	0.0

68	25	4.63e-04	-5.54e-03	-0.37	3.07e-05	1.42e-05	0.0
68	37	0.01	-0.01	-0.37	9.85e-05	3.08e-05	0.0
68	43	-7.33e-04	-0.02	-0.40	2.56e-04	2.01e-05	0.0
68	44	-2.19e-03	-0.02	-0.40	2.58e-04	1.84e-05	0.0
68	69	6.58e-03	-8.24e-03	-0.37	6.30e-05	2.23e-05	0.0
68	76	-8.40e-04	-0.01	-0.38	1.39e-04	1.62e-05	0.0
68	85	3.38e-03	-0.01	-0.38	1.38e-04	2.10e-05	0.0
69	4	5.68e-04	-0.04	-0.52	2.39e-04	3.09e-05	0.0
69	5	0.02	-7.44e-03	-0.50	6.94e-05	2.72e-05	0.0
69	8	5.93e-04	-0.05	-0.51	3.31e-04	2.87e-05	0.0
69	12	3.98e-04	-0.02	-0.39	1.47e-04	2.68e-05	0.0
69	13	0.01	-5.71e-03	-0.38	3.37e-05	2.44e-05	0.0
69	16	4.15e-04	-0.04	-0.39	2.08e-04	2.53e-05	0.0
69	17	3.39e-04	-5.58e-03	-0.37	2.89e-05	1.68e-05	0.0
69	21	3.07e-03	-5.57e-03	-0.37	2.57e-05	1.63e-05	0.0
69	24	3.46e-04	-0.01	-0.37	6.06e-05	1.64e-05	0.0
69	25	3.41e-04	-5.54e-03	-0.37	2.57e-05	1.52e-05	0.0
69	37	0.01	-0.01	-0.37	9.36e-05	3.16e-05	0.0
69	43	-1.11e-03	-0.02	-0.38	2.51e-04	2.03e-05	0.0
69	44	-3.98e-03	-0.02	-0.38	2.54e-04	1.83e-05	0.0
69	69	6.45e-03	-8.24e-03	-0.37	5.81e-05	2.32e-05	0.0
69	76	-1.75e-03	-0.01	-0.37	1.34e-04	1.67e-05	0.0
69	85	3.14e-03	-0.01	-0.37	1.33e-04	2.17e-05	0.0
70	4	3.64e-04	-0.04	-0.52	2.37e-04	3.20e-05	0.0
70	5	0.02	-7.44e-03	-0.50	6.75e-05	2.92e-05	0.0
70	8	3.17e-04	-0.05	-0.50	3.30e-04	2.91e-05	0.0
70	12	2.58e-04	-0.02	-0.39	1.46e-04	2.75e-05	0.0
70	13	0.01	-5.71e-03	-0.38	3.23e-05	2.56e-05	0.0
70	16	2.27e-04	-0.04	-0.38	2.08e-04	2.56e-05	0.0
70	17	2.75e-04	-5.58e-03	-0.37	2.75e-05	1.79e-05	0.0
70	21	3.00e-03	-5.57e-03	-0.36	2.43e-05	1.74e-05	0.0
70	24	2.58e-04	-0.01	-0.37	5.93e-05	1.73e-05	0.0
70	25	2.77e-04	-5.54e-03	-0.36	2.43e-05	1.63e-05	0.0
70	41	0.01	1.58e-04	-0.36	-4.34e-05	2.76e-05	0.0
70	45	-4.93e-03	-0.02	-0.38	2.51e-04	2.05e-05	0.0
70	53	2.24e-03	-0.02	-0.37	2.51e-04	2.88e-05	0.0
70	73	6.33e-03	-2.83e-03	-0.36	-7.90e-06	2.18e-05	0.0
70	77	-2.25e-03	-0.01	-0.37	1.32e-04	1.83e-05	0.0
70	85	1.27e-03	-0.01	-0.37	1.32e-04	2.24e-05	0.0
71	3	5.51e-04	0.02	-0.51	-8.80e-05	2.51e-05	0.0
71	5	0.02	-7.44e-03	-0.49	6.63e-05	3.11e-05	0.0
71	8	8.08e-06	-0.05	-0.49	3.31e-04	2.94e-05	0.0
71	11	3.74e-04	9.86e-03	-0.39	-7.14e-05	2.28e-05	0.0
71	13	0.01	-5.71e-03	-0.37	3.15e-05	2.69e-05	0.0
71	16	1.58e-05	-0.04	-0.37	2.08e-04	2.57e-05	0.0
71	17	2.08e-04	-5.58e-03	-0.37	2.66e-05	1.91e-05	0.0
71	21	2.92e-03	-5.57e-03	-0.36	2.32e-05	1.86e-05	0.0
71	24	1.63e-04	-0.01	-0.36	5.85e-05	1.83e-05	0.0
71	25	2.10e-04	-5.54e-03	-0.36	2.32e-05	1.75e-05	0.0
71	39	0.01	1.58e-04	-0.36	-4.39e-05	2.88e-05	0.0
71	43	-5.13e-03	-0.02	-0.36	2.48e-04	2.13e-05	0.0
71	49	-1.59e-03	0.01	-0.37	-2.01e-04	5.35e-06	0.0
71	71	6.29e-03	-2.83e-03	-0.36	-8.72e-06	2.30e-05	0.0
71	81	-6.80e-04	3.48e-03	-0.37	-8.37e-05	1.16e-05	0.0
71	85	1.15e-03	-0.01	-0.36	1.30e-04	2.34e-05	0.0
72	3	5.45e-04	0.02	-0.51	-8.68e-05	2.74e-05	0.0

72	5	0.02	-7.44e-03	-0.49	6.56e-05	3.25e-05	0.0
72	8	-2.25e-04	-0.05	-0.49	3.28e-04	2.97e-05	0.0
72	11	3.67e-04	9.86e-03	-0.39	-7.07e-05	2.43e-05	0.0
72	13	0.01	-5.71e-03	-0.37	3.09e-05	2.78e-05	0.0
72	16	-1.43e-04	-0.04	-0.37	2.06e-04	2.59e-05	0.0
72	17	1.58e-04	-5.58e-03	-0.37	2.59e-05	2.00e-05	0.0
72	21	2.87e-03	-5.57e-03	-0.36	2.25e-05	1.96e-05	0.0
72	24	9.21e-05	-0.01	-0.36	5.74e-05	1.91e-05	0.0
72	25	1.60e-04	-5.54e-03	-0.36	2.25e-05	1.85e-05	0.0
72	39	0.01	1.57e-04	-0.36	-4.52e-05	2.97e-05	0.0
72	43	-5.30e-03	-0.02	-0.36	2.49e-04	2.24e-05	0.0
72	49	-1.54e-03	0.01	-0.37	-2.04e-04	6.34e-06	0.0
72	71	6.27e-03	-2.83e-03	-0.36	-9.70e-06	2.40e-05	0.0
72	79	-6.80e-04	3.48e-03	-0.37	-8.52e-05	1.26e-05	0.0
72	85	1.05e-03	-0.01	-0.36	1.30e-04	2.44e-05	0.0
73	4	7.62e-04	-0.03	-0.53	2.39e-04	-1.05e-05	0.0
73	5	0.02	-7.27e-03	-0.50	6.90e-05	-1.26e-05	0.0
73	8	8.56e-04	-0.05	-0.52	3.32e-04	-1.17e-05	0.0
73	12	5.32e-04	-0.02	-0.40	1.47e-04	-3.53e-06	0.0
73	13	0.01	-5.59e-03	-0.38	3.38e-05	-4.93e-06	0.0
73	16	5.95e-04	-0.04	-0.39	2.09e-04	-4.32e-06	0.0
73	17	3.98e-04	-5.47e-03	-0.37	2.89e-05	-1.03e-05	0.0
73	21	3.13e-03	-5.45e-03	-0.37	2.57e-05	-1.05e-05	0.0
73	24	4.28e-04	-0.01	-0.37	6.08e-05	-1.05e-05	0.0
73	25	4.00e-04	-5.43e-03	-0.37	2.57e-05	-1.13e-05	0.0
73	37	0.01	-0.01	-0.37	9.40e-05	2.72e-06	0.0
73	44	-4.01e-03	-0.02	-0.39	2.55e-04	-8.86e-06	0.0
73	53	6.19e-03	-0.02	-0.39	2.53e-04	0.0	0.0
73	69	6.51e-03	-8.11e-03	-0.37	5.82e-05	-4.49e-06	0.0
73	74	-1.74e-03	-0.01	-0.38	1.35e-04	-1.02e-05	0.0
73	85	3.24e-03	-0.01	-0.38	1.34e-04	-5.74e-06	0.0
74	4	9.59e-04	-0.03	-0.54	2.43e-04	-1.06e-05	0.0
74	5	0.02	-7.27e-03	-0.50	7.29e-05	-1.28e-05	0.0
74	8	1.12e-03	-0.05	-0.53	3.36e-04	-1.18e-05	0.0
74	12	6.67e-04	-0.02	-0.40	1.50e-04	-3.58e-06	0.0
74	13	0.01	-5.59e-03	-0.38	3.67e-05	-5.01e-06	0.0
74	16	7.78e-04	-0.04	-0.40	2.12e-04	-4.35e-06	0.0
74	17	4.57e-04	-5.47e-03	-0.37	3.16e-05	-1.04e-05	0.0
74	21	3.19e-03	-5.45e-03	-0.37	2.83e-05	-1.06e-05	0.0
74	24	5.12e-04	-0.01	-0.37	6.34e-05	-1.05e-05	0.0
74	25	4.59e-04	-5.43e-03	-0.37	2.83e-05	-1.14e-05	0.0
74	37	0.01	-0.01	-0.37	9.67e-05	2.65e-06	0.0
74	44	-2.24e-03	-0.02	-0.40	2.58e-04	-8.86e-06	0.0
74	53	6.37e-03	-0.02	-0.40	2.55e-04	0.0	0.0
74	69	6.57e-03	-8.11e-03	-0.37	6.09e-05	-4.56e-06	0.0
74	76	-8.62e-04	-0.01	-0.38	1.38e-04	-1.02e-05	0.0
74	85	3.36e-03	-0.01	-0.38	1.36e-04	-5.80e-06	0.0
75	4	5.63e-04	-0.03	-0.53	2.36e-04	-9.37e-06	0.0
75	5	0.02	-7.27e-03	-0.50	6.57e-05	-1.09e-05	0.0
75	8	5.85e-04	-0.05	-0.51	3.30e-04	-1.07e-05	0.0
75	12	3.95e-04	-0.02	-0.39	1.45e-04	-2.81e-06	0.0
75	13	0.01	-5.59e-03	-0.38	3.13e-05	-3.86e-06	0.0
75	16	4.10e-04	-0.04	-0.39	2.08e-04	-3.72e-06	0.0
75	17	3.37e-04	-5.47e-03	-0.37	2.67e-05	-9.29e-06	0.0
75	21	3.06e-03	-5.45e-03	-0.37	2.35e-05	-9.48e-06	0.0
75	24	3.43e-04	-0.01	-0.37	5.87e-05	-9.50e-06	0.0

75	25	3.39e-04	-5.43e-03	-0.37	2.35e-05	-1.03e-05	0.0
75	37	0.01	-0.01	-0.37	9.20e-05	3.73e-06	0.0
75	44	-3.98e-03	-0.02	-0.38	2.54e-04	-8.25e-06	0.0
75	53	6.04e-03	-0.02	-0.38	2.51e-04	1.02e-06	0.0
75	67	6.44e-03	-8.11e-03	-0.37	5.61e-05	-3.46e-06	0.0
75	74	-1.75e-03	-0.01	-0.37	1.33e-04	-9.34e-06	0.0
75	85	3.13e-03	-0.01	-0.37	1.32e-04	-4.80e-06	0.0
76	4	3.50e-04	-0.03	-0.52	2.36e-04	-8.22e-06	0.0
76	5	0.02	-7.27e-03	-0.50	6.33e-05	-9.09e-06	0.0
76	8	3.00e-04	-0.05	-0.51	3.31e-04	-9.82e-06	0.0
76	12	2.47e-04	-0.02	-0.39	1.45e-04	-2.12e-06	0.0
76	13	0.01	-5.59e-03	-0.38	2.96e-05	-2.70e-06	0.0
76	16	2.14e-04	-0.04	-0.38	2.08e-04	-3.19e-06	0.0
76	17	2.66e-04	-5.48e-03	-0.37	2.50e-05	-8.25e-06	0.0
76	21	2.99e-03	-5.46e-03	-0.37	2.18e-05	-8.39e-06	0.0
76	24	2.49e-04	-0.01	-0.37	5.75e-05	-8.53e-06	0.0
76	25	2.69e-04	-5.43e-03	-0.37	2.18e-05	-9.24e-06	0.0
76	39	0.01	1.66e-04	-0.36	-4.70e-05	0.0	0.0
76	45	-4.94e-03	-0.02	-0.38	2.52e-04	-5.17e-06	0.0
76	53	2.24e-03	-0.02	-0.37	2.53e-04	1.95e-06	0.0
76	71	6.32e-03	-2.77e-03	-0.36	-1.09e-05	-4.57e-06	0.0
76	77	-2.26e-03	-0.01	-0.37	1.32e-04	-7.29e-06	0.0
76	85	1.27e-03	-0.01	-0.37	1.32e-04	-3.80e-06	0.0
77	1	0.01	-5.60e-03	-0.38	1.44e-05	-2.89e-04	0.0
77	5	0.02	-5.42e-03	-0.37	3.42e-06	-2.71e-04	0.0
77	8	3.45e-04	-0.05	-0.37	2.51e-04	-3.05e-04	0.0
77	9	8.41e-03	-4.41e-03	-0.29	-4.89e-06	-2.17e-04	0.0
77	13	0.01	-4.29e-03	-0.28	-1.22e-05	-2.05e-04	0.0
77	16	2.51e-04	-0.03	-0.28	1.53e-04	-2.28e-04	0.0
77	17	3.21e-04	-4.44e-03	-0.27	-1.61e-05	-2.14e-04	0.0
77	21	3.04e-03	-4.31e-03	-0.27	-1.90e-05	-2.09e-04	0.0
77	24	2.99e-04	-9.97e-03	-0.27	1.40e-05	-2.13e-04	0.0
77	25	3.23e-04	-4.40e-03	-0.27	-1.89e-05	-2.12e-04	0.0
77	37	0.01	-9.34e-03	-0.28	4.09e-05	-1.93e-04	0.0
77	41	0.01	1.86e-04	-0.28	-8.19e-05	-1.85e-04	0.0
77	50	3.29e-03	-0.02	-0.27	1.91e-04	-2.16e-04	0.0
77	67	5.89e-03	-6.71e-03	-0.28	9.56e-06	-2.02e-04	0.0
77	71	6.37e-03	-2.17e-03	-0.27	-4.89e-05	-1.99e-04	0.0
77	76	-1.72e-03	-0.01	-0.27	8.14e-05	-2.20e-04	0.0
78	3	5.35e-04	0.02	-0.51	-9.38e-05	-1.01e-05	0.0
78	5	0.02	-7.27e-03	-0.49	6.28e-05	-5.08e-06	0.0
78	8	-2.32e-04	-0.05	-0.49	3.32e-04	-7.12e-06	0.0
78	11	3.59e-04	9.88e-03	-0.39	-7.52e-05	-3.49e-06	0.0
78	13	0.01	-5.59e-03	-0.37	2.92e-05	0.0	0.0
78	16	-1.49e-04	-0.04	-0.37	2.08e-04	-1.47e-06	0.0
78	17	1.51e-04	-5.48e-03	-0.37	2.40e-05	-5.68e-06	0.0
78	21	2.86e-03	-5.46e-03	-0.36	2.05e-05	-5.79e-06	0.0
78	24	8.56e-05	-0.01	-0.36	5.63e-05	-6.11e-06	0.0
78	25	1.54e-04	-5.43e-03	-0.36	2.05e-05	-6.66e-06	0.0
78	39	0.01	1.65e-04	-0.36	-4.89e-05	2.87e-06	0.0
78	49	-1.54e-03	0.01	-0.37	-2.12e-04	-1.78e-05	0.0
78	53	1.90e-03	-0.02	-0.36	2.53e-04	4.52e-06	0.0
78	71	6.27e-03	-2.77e-03	-0.36	-1.25e-05	-1.98e-06	0.0
78	81	-6.88e-04	3.47e-03	-0.37	-9.00e-05	-1.20e-05	0.0
78	85	1.04e-03	-0.01	-0.36	1.31e-04	-1.22e-06	0.0
79	4	7.57e-04	-0.03	-0.53	2.35e-04	-6.01e-05	0.0

79	5	0.02	-7.04e-03	-0.50	6.41e-05	-5.89e-05	0.0
79	8	8.48e-04	-0.05	-0.52	3.29e-04	-6.03e-05	0.0
79	12	5.28e-04	-0.02	-0.40	1.45e-04	-4.03e-05	0.0
79	13	0.01	-5.43e-03	-0.38	3.06e-05	-3.94e-05	0.0
79	16	5.90e-04	-0.04	-0.39	2.07e-04	-4.04e-05	0.0
79	17	3.98e-04	-5.34e-03	-0.37	2.58e-05	-4.22e-05	0.0
79	21	3.13e-03	-5.31e-03	-0.36	2.25e-05	-4.20e-05	0.0
79	24	4.27e-04	-0.01	-0.37	5.77e-05	-4.22e-05	0.0
79	25	3.99e-04	-5.30e-03	-0.36	2.25e-05	-4.25e-05	0.0
79	37	0.01	-0.01	-0.37	9.13e-05	-3.10e-05	0.0
79	52	3.16e-03	-0.02	-0.39	2.54e-04	-4.36e-05	0.0
79	53	6.17e-03	-0.02	-0.39	2.51e-04	-3.27e-05	0.0
79	69	6.50e-03	-7.95e-03	-0.37	5.53e-05	-3.69e-05	0.0
79	82	1.78e-03	-0.01	-0.38	1.33e-04	-4.30e-05	0.0
79	85	3.23e-03	-0.01	-0.38	1.31e-04	-3.77e-05	0.0
80	4	9.48e-04	-0.03	-0.54	2.39e-04	-6.02e-05	0.0
80	5	0.02	-7.04e-03	-0.50	6.74e-05	-5.90e-05	0.0
80	8	1.11e-03	-0.05	-0.53	3.32e-04	-6.04e-05	0.0
80	12	6.59e-04	-0.02	-0.40	1.47e-04	-4.03e-05	0.0
80	13	0.01	-5.43e-03	-0.38	3.32e-05	-3.95e-05	0.0
80	16	7.68e-04	-0.04	-0.40	2.10e-04	-4.04e-05	0.0
80	17	4.53e-04	-5.34e-03	-0.37	2.81e-05	-4.23e-05	0.0
80	21	3.19e-03	-5.31e-03	-0.37	2.48e-05	-4.21e-05	0.0
80	24	5.06e-04	-0.01	-0.37	6.01e-05	-4.23e-05	0.0
80	25	4.54e-04	-5.30e-03	-0.37	2.48e-05	-4.26e-05	0.0
80	37	0.01	-0.01	-0.37	9.37e-05	-3.11e-05	0.0
80	50	4.85e-03	-0.02	-0.40	2.57e-04	-4.36e-05	0.0
80	53	6.33e-03	-0.02	-0.39	2.53e-04	-3.28e-05	0.0
80	69	6.56e-03	-7.95e-03	-0.37	5.76e-05	-3.70e-05	0.0
80	84	2.62e-03	-0.01	-0.38	1.35e-04	-4.30e-05	0.0
80	85	3.34e-03	-0.01	-0.38	1.34e-04	-3.78e-05	0.0
81	4	5.65e-04	-0.03	-0.52	2.33e-04	-5.87e-05	0.0
81	5	0.02	-7.04e-03	-0.50	6.13e-05	-5.72e-05	0.0
81	8	5.86e-04	-0.05	-0.51	3.26e-04	-5.87e-05	0.0
81	12	3.97e-04	-0.02	-0.39	1.43e-04	-3.93e-05	0.0
81	13	0.01	-5.43e-03	-0.38	2.85e-05	-3.83e-05	0.0
81	16	4.11e-04	-0.04	-0.39	2.05e-04	-3.94e-05	0.0
81	17	3.41e-04	-5.34e-03	-0.37	2.38e-05	-4.11e-05	0.0
81	21	3.07e-03	-5.31e-03	-0.36	2.05e-05	-4.08e-05	0.0
81	24	3.47e-04	-0.01	-0.37	5.58e-05	-4.10e-05	0.0
81	25	3.43e-04	-5.30e-03	-0.36	2.05e-05	-4.13e-05	0.0
81	37	0.01	-0.01	-0.37	8.94e-05	-2.99e-05	0.0
81	52	3.21e-03	-0.02	-0.38	2.53e-04	-4.24e-05	0.0
81	53	6.02e-03	-0.02	-0.38	2.49e-04	-3.15e-05	0.0
81	69	6.44e-03	-7.95e-03	-0.37	5.33e-05	-3.57e-05	0.0
81	82	1.77e-03	-0.01	-0.37	1.31e-04	-4.18e-05	0.0
81	85	3.13e-03	-0.01	-0.37	1.29e-04	-3.65e-05	0.0
82	4	3.71e-04	-0.03	-0.52	2.31e-04	-5.69e-05	0.0
82	5	0.02	-7.04e-03	-0.49	5.93e-05	-5.53e-05	0.0
82	8	3.20e-04	-0.05	-0.50	3.25e-04	-5.68e-05	0.0
82	12	2.63e-04	-0.02	-0.39	1.42e-04	-3.82e-05	0.0
82	13	0.01	-5.43e-03	-0.37	2.71e-05	-3.71e-05	0.0
82	16	2.29e-04	-0.04	-0.38	2.04e-04	-3.82e-05	0.0
82	17	2.83e-04	-5.34e-03	-0.37	2.23e-05	-3.98e-05	0.0
82	21	3.00e-03	-5.31e-03	-0.36	1.90e-05	-3.95e-05	0.0
82	24	2.65e-04	-0.01	-0.36	5.43e-05	-3.97e-05	0.0

82	25	2.85e-04	-5.30e-03	-0.36	1.90e-05	-4.00e-05	0.0
82	39	0.01	1.67e-04	-0.36	-4.93e-05	-3.28e-05	0.0
82	52	3.24e-03	-0.02	-0.37	2.51e-04	-4.11e-05	0.0
82	53	2.25e-03	-0.02	-0.37	2.48e-04	-3.02e-05	0.0
82	71	6.34e-03	-2.70e-03	-0.36	-1.35e-05	-3.65e-05	0.0
82	83	1.28e-03	-0.01	-0.37	1.28e-04	-3.52e-05	0.0
82	85	1.28e-03	-0.01	-0.37	1.28e-04	-3.52e-05	0.0
83	3	5.70e-04	0.02	-0.51	-9.82e-05	-5.76e-05	0.0
83	5	0.02	-7.04e-03	-0.49	5.79e-05	-5.29e-05	0.0
83	8	2.54e-05	-0.05	-0.49	3.25e-04	-5.43e-05	0.0
83	11	3.88e-04	9.90e-03	-0.39	-7.81e-05	-3.87e-05	0.0
83	13	0.01	-5.43e-03	-0.37	2.60e-05	-3.56e-05	0.0
83	16	2.90e-05	-0.04	-0.37	2.04e-04	-3.65e-05	0.0
83	17	2.21e-04	-5.34e-03	-0.37	2.11e-05	-3.84e-05	0.0
83	21	2.94e-03	-5.31e-03	-0.36	1.77e-05	-3.80e-05	0.0
83	24	1.76e-04	-0.01	-0.36	5.33e-05	-3.82e-05	0.0
83	25	2.23e-04	-5.30e-03	-0.36	1.77e-05	-3.85e-05	0.0
83	39	0.01	1.68e-04	-0.36	-4.98e-05	-3.16e-05	0.0
83	53	2.07e-03	-0.02	-0.36	2.44e-04	-2.87e-05	0.0
83	57	5.61e-03	0.01	-0.36	-2.08e-04	-4.29e-05	0.0
83	71	6.31e-03	-2.70e-03	-0.36	-1.44e-05	-3.51e-05	0.0
83	85	1.16e-03	-0.01	-0.36	1.26e-04	-3.38e-05	0.0
83	89	2.85e-03	3.45e-03	-0.36	-8.99e-05	-4.06e-05	0.0
84	3	5.66e-04	0.02	-0.51	-9.70e-05	-5.57e-05	0.0
84	5	0.02	-7.04e-03	-0.49	5.71e-05	-5.10e-05	0.0
84	8	-1.97e-04	-0.05	-0.48	3.22e-04	-5.19e-05	0.0
84	11	3.83e-04	9.90e-03	-0.39	-7.74e-05	-3.75e-05	0.0
84	13	0.01	-5.43e-03	-0.37	2.54e-05	-3.43e-05	0.0
84	16	-1.22e-04	-0.04	-0.37	2.02e-04	-3.49e-05	0.0
84	17	1.75e-04	-5.34e-03	-0.37	2.03e-05	-3.70e-05	0.0
84	21	2.89e-03	-5.31e-03	-0.36	1.69e-05	-3.66e-05	0.0
84	24	1.10e-04	-0.01	-0.36	5.21e-05	-3.68e-05	0.0
84	25	1.77e-04	-5.30e-03	-0.36	1.69e-05	-3.72e-05	0.0
84	39	0.01	1.69e-04	-0.36	-5.12e-05	-3.01e-05	0.0
84	53	1.92e-03	-0.02	-0.36	2.45e-04	-2.73e-05	0.0
84	56	4.38e-03	0.01	-0.37	-2.14e-04	-3.04e-05	0.0
84	71	6.29e-03	-2.70e-03	-0.36	-1.55e-05	-3.37e-05	0.0
84	85	1.06e-03	-0.01	-0.36	1.26e-04	-3.24e-05	0.0
84	88	2.23e-03	3.34e-03	-0.36	-9.31e-05	-3.39e-05	0.0
85	4	7.55e-04	-0.03	-0.52	2.31e-04	-9.78e-05	0.0
85	5	0.02	-6.85e-03	-0.49	5.94e-05	-9.42e-05	0.0
85	8	8.43e-04	-0.05	-0.52	3.24e-04	-9.70e-05	0.0
85	12	5.27e-04	-0.02	-0.39	1.42e-04	-6.86e-05	0.0
85	13	0.01	-5.29e-03	-0.37	2.76e-05	-6.61e-05	0.0
85	16	5.86e-04	-0.04	-0.39	2.04e-04	-6.80e-05	0.0
85	17	3.99e-04	-5.23e-03	-0.37	2.27e-05	-6.74e-05	0.0
85	21	3.13e-03	-5.19e-03	-0.36	1.93e-05	-6.68e-05	0.0
85	24	4.28e-04	-0.01	-0.36	5.46e-05	-6.72e-05	0.0
85	25	4.01e-04	-5.19e-03	-0.36	1.93e-05	-6.72e-05	0.0
85	37	0.01	-0.01	-0.37	8.83e-05	-5.69e-05	0.0
85	52	3.17e-03	-0.02	-0.38	2.52e-04	-6.88e-05	0.0
85	69	6.50e-03	-7.82e-03	-0.36	5.22e-05	-6.22e-05	0.0
85	82	1.79e-03	-0.01	-0.37	1.30e-04	-6.79e-05	0.0
85	84	1.79e-03	-0.01	-0.37	1.30e-04	-6.79e-05	0.0
86	4	9.38e-04	-0.03	-0.53	2.34e-04	-9.80e-05	0.0
86	5	0.02	-6.85e-03	-0.49	6.23e-05	-9.43e-05	0.0

86	8	1.10e-03	-0.05	-0.53	3.27e-04	-9.72e-05	0.0
86	12	6.53e-04	-0.02	-0.40	1.44e-04	-6.87e-05	0.0
86	13	0.01	-5.29e-03	-0.37	2.98e-05	-6.62e-05	0.0
86	16	7.59e-04	-0.04	-0.40	2.06e-04	-6.81e-05	0.0
86	17	4.51e-04	-5.23e-03	-0.37	2.49e-05	-6.76e-05	0.0
86	21	3.19e-03	-5.19e-03	-0.36	2.15e-05	-6.70e-05	0.0
86	24	5.03e-04	-0.01	-0.37	5.68e-05	-6.74e-05	0.0
86	25	4.53e-04	-5.19e-03	-0.36	2.15e-05	-6.73e-05	0.0
86	37	0.01	-0.01	-0.37	9.05e-05	-5.70e-05	0.0
86	52	4.81e-03	-0.02	-0.39	2.54e-04	-6.89e-05	0.0
86	69	6.56e-03	-7.82e-03	-0.37	5.44e-05	-6.23e-05	0.0
86	84	2.60e-03	-0.01	-0.38	1.32e-04	-6.81e-05	0.0
87	4	5.70e-04	-0.03	-0.52	2.28e-04	-9.59e-05	0.0
87	5	0.02	-6.86e-03	-0.49	5.69e-05	-9.22e-05	0.0
87	8	5.88e-04	-0.05	-0.51	3.22e-04	-9.50e-05	0.0
87	12	4.01e-04	-0.02	-0.39	1.40e-04	-6.73e-05	0.0
87	13	0.01	-5.29e-03	-0.37	2.56e-05	-6.49e-05	0.0
87	16	4.13e-04	-0.04	-0.38	2.02e-04	-6.67e-05	0.0
87	17	3.47e-04	-5.23e-03	-0.37	2.08e-05	-6.62e-05	0.0
87	21	3.07e-03	-5.19e-03	-0.36	1.75e-05	-6.55e-05	0.0
87	24	3.52e-04	-0.01	-0.36	5.28e-05	-6.59e-05	0.0
87	25	3.49e-04	-5.19e-03	-0.36	1.75e-05	-6.59e-05	0.0
87	37	0.01	-0.01	-0.37	8.65e-05	-5.57e-05	0.0
87	52	3.22e-03	-0.02	-0.38	2.50e-04	-6.75e-05	0.0
87	69	6.45e-03	-7.82e-03	-0.36	5.04e-05	-6.09e-05	0.0
87	84	1.78e-03	-0.01	-0.37	1.28e-04	-6.67e-05	0.0
88	4	3.86e-04	-0.03	-0.51	2.27e-04	-9.36e-05	0.0
88	5	0.02	-6.86e-03	-0.49	5.50e-05	-9.01e-05	0.0
88	8	3.34e-04	-0.05	-0.50	3.20e-04	-9.26e-05	0.0
88	12	2.75e-04	-0.02	-0.39	1.39e-04	-6.58e-05	0.0
88	13	0.01	-5.29e-03	-0.37	2.42e-05	-6.34e-05	0.0
88	16	2.40e-04	-0.04	-0.38	2.01e-04	-6.51e-05	0.0
88	17	2.95e-04	-5.23e-03	-0.36	1.94e-05	-6.47e-05	0.0
88	21	3.02e-03	-5.19e-03	-0.36	1.60e-05	-6.41e-05	0.0
88	24	2.76e-04	-0.01	-0.36	5.13e-05	-6.45e-05	0.0
88	25	2.97e-04	-5.19e-03	-0.36	1.61e-05	-6.45e-05	0.0
88	41	0.01	1.50e-04	-0.36	-5.20e-05	-5.83e-05	0.0
88	52	3.25e-03	-0.02	-0.37	2.48e-04	-6.62e-05	0.0
88	71	6.35e-03	-2.64e-03	-0.36	-1.63e-05	-6.15e-05	0.0
88	82	1.77e-03	-0.01	-0.36	1.27e-04	-6.52e-05	0.0
88	84	1.77e-03	-0.01	-0.36	1.27e-04	-6.52e-05	0.0
89	3	5.90e-04	0.02	-0.50	-1.01e-04	-9.14e-05	0.0
89	5	0.02	-6.86e-03	-0.49	5.34e-05	-8.75e-05	0.0
89	8	4.55e-05	-0.05	-0.49	3.18e-04	-8.98e-05	0.0
89	11	4.03e-04	9.91e-03	-0.38	-7.99e-05	-6.43e-05	0.0
89	13	0.01	-5.30e-03	-0.37	2.30e-05	-6.17e-05	0.0
89	16	4.42e-05	-0.04	-0.37	1.99e-04	-6.33e-05	0.0
89	17	2.36e-04	-5.23e-03	-0.36	1.81e-05	-6.31e-05	0.0
89	21	2.95e-03	-5.19e-03	-0.36	1.47e-05	-6.24e-05	0.0
89	24	1.91e-04	-0.01	-0.36	5.00e-05	-6.28e-05	0.0
89	25	2.38e-04	-5.19e-03	-0.36	1.47e-05	-6.28e-05	0.0
89	39	0.01	1.48e-04	-0.36	-5.34e-05	-5.67e-05	0.0
89	52	3.26e-03	-0.02	-0.36	2.47e-04	-6.43e-05	0.0
89	56	4.45e-03	0.01	-0.36	-2.17e-04	-5.63e-05	0.0
89	71	6.32e-03	-2.65e-03	-0.36	-1.77e-05	-5.98e-05	0.0
89	82	1.74e-03	-0.01	-0.36	1.25e-04	-6.35e-05	0.0

89	86	2.31e-03	3.50e-03	-0.36	-9.56e-05	-5.97e-05	0.0
90	3	5.89e-04	0.02	-0.51	-1.02e-04	-8.96e-05	0.0
90	5	0.02	-6.86e-03	-0.49	5.23e-05	-8.56e-05	0.0
90	8	-1.72e-04	-0.05	-0.48	3.16e-04	-8.77e-05	0.0
90	11	4.00e-04	9.90e-03	-0.38	-8.04e-05	-6.31e-05	0.0
90	13	0.01	-5.30e-03	-0.37	2.22e-05	-6.05e-05	0.0
90	16	-1.04e-04	-0.04	-0.37	1.98e-04	-6.18e-05	0.0
90	17	1.92e-04	-5.24e-03	-0.36	1.72e-05	-6.18e-05	0.0
90	21	2.90e-03	-5.20e-03	-0.36	1.38e-05	-6.12e-05	0.0
90	24	1.27e-04	-0.01	-0.36	4.90e-05	-6.15e-05	0.0
90	25	1.94e-04	-5.19e-03	-0.36	1.38e-05	-6.15e-05	0.0
90	39	0.01	1.47e-04	-0.36	-5.41e-05	-5.55e-05	0.0
90	52	3.25e-03	-0.02	-0.35	2.46e-04	-6.29e-05	0.0
90	56	4.39e-03	0.01	-0.36	-2.17e-04	-5.52e-05	0.0
90	71	6.30e-03	-2.65e-03	-0.36	-1.85e-05	-5.86e-05	0.0
90	84	1.71e-03	-0.01	-0.36	1.24e-04	-6.22e-05	0.0
90	88	2.25e-03	3.50e-03	-0.36	-9.62e-05	-5.85e-05	0.0
91	4	7.52e-04	-0.03	-0.52	2.26e-04	-1.32e-04	0.0
91	5	0.02	-6.68e-03	-0.49	5.43e-05	-1.26e-04	0.0
91	8	8.37e-04	-0.05	-0.51	3.19e-04	-1.30e-04	0.0
91	12	5.26e-04	-0.02	-0.39	1.38e-04	-9.44e-05	0.0
91	13	0.01	-5.17e-03	-0.37	2.41e-05	-9.02e-05	0.0
91	16	5.83e-04	-0.03	-0.38	2.01e-04	-9.33e-05	0.0
91	17	4.02e-04	-5.13e-03	-0.36	1.94e-05	-9.08e-05	0.0
91	21	3.13e-03	-5.08e-03	-0.36	1.60e-05	-8.98e-05	0.0
91	24	4.29e-04	-0.01	-0.36	5.13e-05	-9.04e-05	0.0
91	25	4.03e-04	-5.09e-03	-0.36	1.60e-05	-9.01e-05	0.0
91	37	0.01	-9.88e-03	-0.36	8.25e-05	-8.42e-05	0.0
91	44	-2.47e-03	-0.02	-0.38	2.49e-04	-9.70e-05	0.0
91	50	4.69e-03	-0.02	-0.38	2.48e-04	-9.20e-05	0.0
91	69	6.50e-03	-7.37e-03	-0.36	4.77e-05	-8.72e-05	0.0
91	76	-1.00e-03	-0.01	-0.37	1.27e-04	-9.34e-05	0.0
91	82	2.51e-03	-0.01	-0.37	1.26e-04	-9.10e-05	0.0
92	4	9.29e-04	-0.03	-0.52	2.29e-04	-1.32e-04	0.0
92	5	0.02	-6.68e-03	-0.49	5.70e-05	-1.26e-04	0.0
92	8	1.08e-03	-0.05	-0.52	3.22e-04	-1.31e-04	0.0
92	12	6.47e-04	-0.02	-0.39	1.41e-04	-9.46e-05	0.0
92	13	0.01	-5.17e-03	-0.37	2.62e-05	-9.03e-05	0.0
92	16	7.50e-04	-0.03	-0.39	2.03e-04	-9.35e-05	0.0
92	17	4.50e-04	-5.13e-03	-0.36	2.14e-05	-9.10e-05	0.0
92	21	3.18e-03	-5.08e-03	-0.36	1.80e-05	-8.99e-05	0.0
92	24	5.00e-04	-0.01	-0.36	5.33e-05	-9.06e-05	0.0
92	25	4.52e-04	-5.09e-03	-0.36	1.80e-05	-9.03e-05	0.0
92	37	0.01	-9.88e-03	-0.37	8.45e-05	-8.43e-05	0.0
92	44	-2.38e-03	-0.02	-0.39	2.51e-04	-9.71e-05	0.0
92	50	4.76e-03	-0.02	-0.39	2.50e-04	-9.22e-05	0.0
92	69	6.55e-03	-7.37e-03	-0.36	4.97e-05	-8.73e-05	0.0
92	76	-9.35e-04	-0.01	-0.37	1.29e-04	-9.36e-05	0.0
92	82	2.57e-03	-0.01	-0.37	1.28e-04	-9.12e-05	0.0
93	4	5.76e-04	-0.03	-0.51	2.23e-04	-1.30e-04	0.0
93	5	0.02	-6.68e-03	-0.48	5.20e-05	-1.24e-04	0.0
93	8	5.91e-04	-0.05	-0.50	3.17e-04	-1.28e-04	0.0
93	12	4.05e-04	-0.02	-0.39	1.37e-04	-9.30e-05	0.0
93	13	0.01	-5.17e-03	-0.37	2.24e-05	-8.88e-05	0.0
93	16	4.16e-04	-0.03	-0.38	1.99e-04	-9.18e-05	0.0
93	17	3.53e-04	-5.13e-03	-0.36	1.76e-05	-8.95e-05	0.0

93	21	3.08e-03	-5.08e-03	-0.36	1.43e-05	-8.84e-05	0.0
93	24	3.57e-04	-0.01	-0.36	4.95e-05	-8.91e-05	0.0
93	25	3.55e-04	-5.09e-03	-0.36	1.43e-05	-8.88e-05	0.0
93	37	0.01	-9.88e-03	-0.36	8.08e-05	-8.28e-05	0.0
93	44	-3.94e-03	-0.02	-0.37	2.47e-04	-9.56e-05	0.0
93	52	3.23e-03	-0.02	-0.37	2.46e-04	-9.07e-05	0.0
93	69	6.45e-03	-7.37e-03	-0.36	4.59e-05	-8.59e-05	0.0
93	76	-1.73e-03	-0.01	-0.36	1.25e-04	-9.21e-05	0.0
93	82	1.79e-03	-0.01	-0.36	1.24e-04	-8.97e-05	0.0
94	4	3.99e-04	-0.03	-0.50	2.22e-04	-1.27e-04	0.0
94	5	0.02	-6.68e-03	-0.48	5.03e-05	-1.21e-04	0.0
94	8	3.45e-04	-0.05	-0.49	3.15e-04	-1.26e-04	0.0
94	12	2.84e-04	-0.02	-0.38	1.35e-04	-9.13e-05	0.0
94	13	0.01	-5.17e-03	-0.37	2.11e-05	-8.72e-05	0.0
94	16	2.49e-04	-0.03	-0.37	1.97e-04	-9.02e-05	0.0
94	17	3.05e-04	-5.13e-03	-0.36	1.63e-05	-8.79e-05	0.0
94	21	3.03e-03	-5.08e-03	-0.36	1.29e-05	-8.69e-05	0.0
94	24	2.86e-04	-0.01	-0.36	4.82e-05	-8.75e-05	0.0
94	25	3.07e-04	-5.09e-03	-0.36	1.29e-05	-8.73e-05	0.0
94	39	0.01	8.19e-04	-0.35	-5.72e-05	-8.11e-05	0.0
94	44	-3.92e-03	-0.02	-0.36	2.46e-04	-9.39e-05	0.0
94	50	3.26e-03	-0.02	-0.37	2.44e-04	-8.90e-05	0.0
94	71	6.36e-03	-2.26e-03	-0.35	-2.05e-05	-8.43e-05	0.0
94	74	-1.74e-03	-0.01	-0.36	1.24e-04	-9.04e-05	0.0
94	82	1.78e-03	-0.01	-0.36	1.23e-04	-8.81e-05	0.0
95	3	6.09e-04	0.02	-0.50	-1.05e-04	-1.23e-04	0.0
95	5	0.02	-6.68e-03	-0.48	4.88e-05	-1.19e-04	0.0
95	8	6.44e-05	-0.05	-0.48	3.13e-04	-1.23e-04	0.0
95	11	4.18e-04	9.91e-03	-0.38	-8.29e-05	-8.81e-05	0.0
95	13	0.01	-5.17e-03	-0.37	1.99e-05	-8.55e-05	0.0
95	16	5.84e-05	-0.03	-0.37	1.96e-04	-8.83e-05	0.0
95	17	2.50e-04	-5.13e-03	-0.36	1.51e-05	-8.62e-05	0.0
95	21	2.96e-03	-5.08e-03	-0.36	1.17e-05	-8.52e-05	0.0
95	24	2.04e-04	-0.01	-0.36	4.69e-05	-8.58e-05	0.0
95	25	2.51e-04	-5.09e-03	-0.36	1.17e-05	-8.56e-05	0.0
95	39	0.01	8.17e-04	-0.36	-5.86e-05	-7.94e-05	0.0
95	44	-3.92e-03	-0.02	-0.35	2.45e-04	-9.23e-05	0.0
95	54	4.46e-03	0.01	-0.36	-2.21e-04	-7.88e-05	0.0
95	71	6.33e-03	-2.27e-03	-0.36	-2.17e-05	-8.26e-05	0.0
95	76	-1.77e-03	-0.01	-0.35	1.22e-04	-8.88e-05	0.0
95	86	2.32e-03	3.75e-03	-0.36	-9.90e-05	-8.23e-05	0.0
96	3	6.09e-04	0.02	-0.50	-1.06e-04	-1.21e-04	0.0
96	5	0.02	-6.68e-03	-0.48	4.77e-05	-1.17e-04	0.0
96	8	-1.49e-04	-0.05	-0.47	3.11e-04	-1.21e-04	0.0
96	11	4.15e-04	9.91e-03	-0.38	-8.34e-05	-8.69e-05	0.0
96	13	0.01	-5.17e-03	-0.37	1.91e-05	-8.42e-05	0.0
96	16	-8.65e-05	-0.03	-0.36	1.95e-04	-8.70e-05	0.0
96	17	2.07e-04	-5.13e-03	-0.36	1.42e-05	-8.50e-05	0.0
96	21	2.92e-03	-5.08e-03	-0.36	1.08e-05	-8.39e-05	0.0
96	24	1.42e-04	-0.01	-0.35	4.59e-05	-8.45e-05	0.0
96	25	2.09e-04	-5.09e-03	-0.35	1.08e-05	-8.43e-05	0.0
96	39	0.01	8.15e-04	-0.36	-5.92e-05	-7.83e-05	0.0
96	44	-3.94e-03	-0.02	-0.35	2.43e-04	-9.12e-05	0.0
96	54	4.41e-03	0.01	-0.36	-2.21e-04	-7.74e-05	0.0
96	71	6.32e-03	-2.27e-03	-0.36	-2.25e-05	-8.13e-05	0.0
96	74	-1.81e-03	-0.01	-0.35	1.21e-04	-8.76e-05	0.0

96	86	2.26e-03	3.75e-03	-0.36	-9.95e-05	-8.10e-05	0.0
97	4	7.51e-04	-0.03	-0.51	2.20e-04	-1.65e-04	0.0
97	5	0.02	-6.50e-03	-0.48	4.90e-05	-1.54e-04	0.0
97	8	8.32e-04	-0.05	-0.50	3.13e-04	-1.62e-04	0.0
97	12	5.25e-04	-0.02	-0.38	1.35e-04	-1.19e-04	0.0
97	13	0.01	-5.05e-03	-0.36	2.05e-05	-1.12e-04	0.0
97	16	5.80e-04	-0.03	-0.38	1.97e-04	-1.18e-04	0.0
97	17	4.04e-04	-5.03e-03	-0.35	1.59e-05	-1.13e-04	0.0
97	21	3.13e-03	-4.97e-03	-0.35	1.25e-05	-1.11e-04	0.0
97	24	4.30e-04	-0.01	-0.35	4.78e-05	-1.12e-04	0.0
97	25	4.06e-04	-4.99e-03	-0.35	1.26e-05	-1.12e-04	0.0
97	37	0.01	-0.01	-0.36	7.88e-05	-1.05e-04	0.0
97	44	-2.50e-03	-0.02	-0.37	2.45e-04	-1.20e-04	0.0
97	50	4.65e-03	-0.02	-0.37	2.44e-04	-1.14e-04	0.0
97	69	6.50e-03	-7.38e-03	-0.35	4.41e-05	-1.08e-04	0.0
97	76	-1.02e-03	-0.01	-0.36	1.23e-04	-1.16e-04	0.0
97	82	2.50e-03	-0.01	-0.36	1.23e-04	-1.13e-04	0.0
98	4	9.21e-04	-0.03	-0.52	2.23e-04	-1.65e-04	0.0
98	5	0.02	-6.50e-03	-0.48	5.14e-05	-1.55e-04	0.0
98	8	1.07e-03	-0.05	-0.51	3.16e-04	-1.62e-04	0.0
98	12	6.41e-04	-0.02	-0.39	1.37e-04	-1.20e-04	0.0
98	13	0.01	-5.05e-03	-0.36	2.24e-05	-1.13e-04	0.0
98	16	7.41e-04	-0.03	-0.38	1.99e-04	-1.18e-04	0.0
98	17	4.49e-04	-5.03e-03	-0.36	1.78e-05	-1.13e-04	0.0
98	21	3.18e-03	-4.97e-03	-0.35	1.44e-05	-1.12e-04	0.0
98	24	4.98e-04	-0.01	-0.35	4.97e-05	-1.13e-04	0.0
98	25	4.51e-04	-4.99e-03	-0.35	1.45e-05	-1.12e-04	0.0
98	37	0.01	-0.01	-0.36	8.07e-05	-1.05e-04	0.0
98	44	-2.43e-03	-0.02	-0.38	2.47e-04	-1.20e-04	0.0
98	50	4.72e-03	-0.02	-0.38	2.46e-04	-1.14e-04	0.0
98	69	6.55e-03	-7.38e-03	-0.36	4.60e-05	-1.09e-04	0.0
98	76	-9.57e-04	-0.01	-0.36	1.25e-04	-1.16e-04	0.0
98	82	2.55e-03	-0.01	-0.36	1.24e-04	-1.13e-04	0.0
99	4	5.81e-04	-0.03	-0.50	2.18e-04	-1.62e-04	0.0
99	5	0.02	-6.51e-03	-0.48	4.69e-05	-1.52e-04	0.0
99	8	5.94e-04	-0.05	-0.49	3.11e-04	-1.60e-04	0.0
99	12	4.10e-04	-0.02	-0.38	1.33e-04	-1.18e-04	0.0
99	13	0.01	-5.05e-03	-0.36	1.89e-05	-1.11e-04	0.0
99	16	4.19e-04	-0.03	-0.37	1.95e-04	-1.16e-04	0.0
99	17	3.60e-04	-5.03e-03	-0.35	1.42e-05	-1.12e-04	0.0
99	21	3.08e-03	-4.97e-03	-0.35	1.09e-05	-1.10e-04	0.0
99	24	3.63e-04	-0.01	-0.35	4.61e-05	-1.11e-04	0.0
99	25	3.61e-04	-4.99e-03	-0.35	1.10e-05	-1.10e-04	0.0
99	37	0.01	-0.01	-0.36	7.72e-05	-1.04e-04	0.0
99	44	-3.93e-03	-0.02	-0.37	2.43e-04	-1.18e-04	0.0
99	50	3.24e-03	-0.02	-0.37	2.42e-04	-1.13e-04	0.0
99	69	6.45e-03	-7.39e-03	-0.35	4.25e-05	-1.07e-04	0.0
99	76	-1.72e-03	-0.01	-0.36	1.22e-04	-1.14e-04	0.0
99	82	1.80e-03	-0.01	-0.36	1.21e-04	-1.11e-04	0.0
100	4	4.14e-04	-0.03	-0.50	2.16e-04	-1.59e-04	0.0
100	5	0.02	-6.51e-03	-0.48	4.54e-05	-1.50e-04	0.0
100	8	3.59e-04	-0.05	-0.48	3.10e-04	-1.57e-04	0.0
100	12	2.96e-04	-0.02	-0.38	1.32e-04	-1.16e-04	0.0
100	13	0.01	-5.05e-03	-0.36	1.77e-05	-1.09e-04	0.0
100	16	2.60e-04	-0.03	-0.37	1.94e-04	-1.14e-04	0.0
100	17	3.17e-04	-5.03e-03	-0.35	1.30e-05	-1.10e-04	0.0

100	21	3.04e-03	-4.97e-03	-0.35	9.71e-06	-1.08e-04	0.0
100	24	2.98e-04	-0.01	-0.35	4.49e-05	-1.09e-04	0.0
100	25	3.19e-04	-4.99e-03	-0.35	9.75e-06	-1.09e-04	0.0
100	41	0.01	5.15e-04	-0.35	-6.03e-05	-9.75e-05	0.0
100	44	-3.91e-03	-0.02	-0.36	2.42e-04	-1.17e-04	0.0
100	50	3.28e-03	-0.02	-0.36	2.41e-04	-1.11e-04	0.0
100	73	6.37e-03	-2.36e-03	-0.35	-2.36e-05	-1.03e-04	0.0
100	76	-1.73e-03	-0.01	-0.35	1.20e-04	-1.13e-04	0.0
100	82	1.79e-03	-0.01	-0.35	1.20e-04	-1.10e-04	0.0
101	3	6.29e-04	0.02	-0.49	-1.12e-04	-1.52e-04	0.0
101	5	0.02	-6.51e-03	-0.47	4.40e-05	-1.46e-04	0.0
101	8	8.43e-05	-0.05	-0.47	3.10e-04	-1.54e-04	0.0
101	11	4.33e-04	9.92e-03	-0.37	-8.70e-05	-1.11e-04	0.0
101	13	0.01	-5.05e-03	-0.36	1.67e-05	-1.07e-04	0.0
101	16	7.35e-05	-0.03	-0.36	1.94e-04	-1.12e-04	0.0
101	17	2.64e-04	-5.03e-03	-0.35	1.19e-05	-1.08e-04	0.0
101	21	2.98e-03	-4.97e-03	-0.35	8.53e-06	-1.06e-04	0.0
101	24	2.19e-04	-0.01	-0.35	4.40e-05	-1.07e-04	0.0
101	25	2.66e-04	-4.99e-03	-0.35	8.57e-06	-1.07e-04	0.0
101	39	0.01	5.15e-04	-0.35	-6.06e-05	-9.58e-05	0.0
101	44	-3.91e-03	-0.02	-0.35	2.38e-04	-1.15e-04	0.0
101	54	4.48e-03	0.01	-0.35	-2.21e-04	-9.91e-05	0.0
101	71	6.35e-03	-2.36e-03	-0.35	-2.44e-05	-1.01e-04	0.0
101	76	-1.76e-03	-0.01	-0.35	1.18e-04	-1.11e-04	0.0
101	86	2.33e-03	3.87e-03	-0.35	-1.01e-04	-1.03e-04	0.0
102	3	6.31e-04	0.02	-0.49	-1.10e-04	-1.50e-04	0.0
102	5	0.02	-6.51e-03	-0.47	4.33e-05	-1.45e-04	0.0
102	8	-1.25e-04	-0.05	-0.47	3.07e-04	-1.53e-04	0.0
102	11	4.32e-04	9.92e-03	-0.37	-8.62e-05	-1.09e-04	0.0
102	13	0.01	-5.05e-03	-0.36	1.61e-05	-1.06e-04	0.0
102	16	-6.85e-05	-0.03	-0.36	1.92e-04	-1.11e-04	0.0
102	17	2.24e-04	-5.03e-03	-0.35	1.13e-05	-1.07e-04	0.0
102	21	2.93e-03	-4.97e-03	-0.35	7.82e-06	-1.05e-04	0.0
102	24	1.59e-04	-0.01	-0.35	4.29e-05	-1.06e-04	0.0
102	25	2.25e-04	-4.99e-03	-0.35	7.87e-06	-1.06e-04	0.0
102	39	0.01	5.15e-04	-0.35	-6.19e-05	-9.48e-05	0.0
102	44	-3.93e-03	-0.02	-0.34	2.40e-04	-1.13e-04	0.0
102	54	4.43e-03	0.01	-0.35	-2.23e-04	-9.83e-05	0.0
102	71	6.33e-03	-2.36e-03	-0.35	-2.54e-05	-1.00e-04	0.0
102	76	-1.79e-03	-0.01	-0.35	1.18e-04	-1.10e-04	0.0
102	86	2.28e-03	3.87e-03	-0.35	-1.02e-04	-1.02e-04	0.0
103	4	7.46e-04	-0.03	-0.49	2.11e-04	-2.11e-04	0.0
103	5	0.02	-6.29e-03	-0.46	4.12e-05	-1.91e-04	0.0
103	8	8.24e-04	-0.05	-0.49	3.04e-04	-2.07e-04	0.0
103	12	5.23e-04	-0.02	-0.37	1.28e-04	-1.54e-04	0.0
103	13	0.01	-4.89e-03	-0.35	1.51e-05	-1.41e-04	0.0
103	16	5.75e-04	-0.03	-0.37	1.90e-04	-1.52e-04	0.0
103	17	4.05e-04	-4.91e-03	-0.34	1.08e-05	-1.42e-04	0.0
103	21	3.13e-03	-4.84e-03	-0.34	7.53e-06	-1.40e-04	0.0
103	24	4.30e-04	-0.01	-0.34	4.25e-05	-1.42e-04	0.0
103	25	4.06e-04	-4.87e-03	-0.34	7.61e-06	-1.41e-04	0.0
103	37	0.01	-0.01	-0.35	7.30e-05	-1.32e-04	0.0
103	44	-2.54e-03	-0.02	-0.36	2.38e-04	-1.53e-04	0.0
103	50	4.61e-03	-0.02	-0.36	2.36e-04	-1.46e-04	0.0
103	69	6.50e-03	-7.30e-03	-0.34	3.87e-05	-1.36e-04	0.0
103	76	-1.04e-03	-0.01	-0.35	1.17e-04	-1.46e-04	0.0

103	82	2.48e-03	-0.01	-0.35	1.16e-04	-1.43e-04	0.0
104	4	9.09e-04	-0.03	-0.50	2.14e-04	-2.11e-04	0.0
104	5	0.02	-6.29e-03	-0.46	4.36e-05	-1.92e-04	0.0
104	8	1.05e-03	-0.05	-0.50	3.07e-04	-2.07e-04	0.0
104	12	6.33e-04	-0.02	-0.38	1.31e-04	-1.54e-04	0.0
104	13	0.01	-4.89e-03	-0.35	1.70e-05	-1.41e-04	0.0
104	16	7.31e-04	-0.03	-0.37	1.92e-04	-1.52e-04	0.0
104	17	4.45e-04	-4.91e-03	-0.34	1.27e-05	-1.43e-04	0.0
104	21	3.18e-03	-4.84e-03	-0.34	9.37e-06	-1.40e-04	0.0
104	24	4.93e-04	-0.01	-0.34	4.44e-05	-1.42e-04	0.0
104	25	4.47e-04	-4.87e-03	-0.34	9.48e-06	-1.41e-04	0.0
104	37	0.01	-0.01	-0.35	7.48e-05	-1.32e-04	0.0
104	44	-2.48e-03	-0.02	-0.37	2.40e-04	-1.53e-04	0.0
104	50	4.66e-03	-0.02	-0.37	2.39e-04	-1.46e-04	0.0
104	69	6.54e-03	-7.30e-03	-0.34	4.06e-05	-1.36e-04	0.0
104	76	-9.86e-04	-0.01	-0.35	1.19e-04	-1.47e-04	0.0
104	82	2.52e-03	-0.01	-0.35	1.18e-04	-1.43e-04	0.0
105	4	5.86e-04	-0.03	-0.49	2.09e-04	-2.08e-04	0.0
105	5	0.02	-6.29e-03	-0.46	3.92e-05	-1.89e-04	0.0
105	8	5.97e-04	-0.05	-0.48	3.02e-04	-2.04e-04	0.0
105	12	4.14e-04	-0.02	-0.37	1.27e-04	-1.52e-04	0.0
105	13	0.01	-4.89e-03	-0.35	1.36e-05	-1.40e-04	0.0
105	16	4.21e-04	-0.03	-0.36	1.89e-04	-1.49e-04	0.0
105	17	3.66e-04	-4.91e-03	-0.34	9.17e-06	-1.41e-04	0.0
105	21	3.09e-03	-4.84e-03	-0.34	5.97e-06	-1.38e-04	0.0
105	24	3.69e-04	-0.01	-0.34	4.10e-05	-1.40e-04	0.0
105	25	3.68e-04	-4.87e-03	-0.34	6.03e-06	-1.39e-04	0.0
105	37	0.01	-0.01	-0.35	7.15e-05	-1.30e-04	0.0
105	44	-3.91e-03	-0.02	-0.35	2.37e-04	-1.50e-04	0.0
105	50	3.26e-03	-0.02	-0.36	2.35e-04	-1.43e-04	0.0
105	69	6.46e-03	-7.30e-03	-0.34	3.72e-05	-1.34e-04	0.0
105	76	-1.71e-03	-0.01	-0.35	1.16e-04	-1.44e-04	0.0
105	82	1.81e-03	-0.01	-0.35	1.15e-04	-1.41e-04	0.0
106	4	4.40e-04	-0.03	-0.48	2.09e-04	-2.04e-04	0.0
106	5	0.02	-6.29e-03	-0.46	3.78e-05	-1.86e-04	0.0
106	8	3.83e-04	-0.05	-0.47	3.03e-04	-2.00e-04	0.0
106	12	3.16e-04	-0.02	-0.36	1.27e-04	-1.49e-04	0.0
106	13	0.01	-4.90e-03	-0.35	1.24e-05	-1.37e-04	0.0
106	16	2.78e-04	-0.03	-0.36	1.89e-04	-1.47e-04	0.0
106	17	3.37e-04	-4.91e-03	-0.34	7.95e-06	-1.39e-04	0.0
106	21	3.06e-03	-4.84e-03	-0.34	4.77e-06	-1.36e-04	0.0
106	24	3.17e-04	-0.01	-0.34	4.02e-05	-1.38e-04	0.0
106	25	3.39e-04	-4.87e-03	-0.34	4.81e-06	-1.37e-04	0.0
106	39	0.01	3.49e-04	-0.34	-6.53e-05	-1.22e-04	0.0
106	44	-3.88e-03	-0.02	-0.35	2.38e-04	-1.48e-04	0.0
106	50	3.30e-03	-0.02	-0.35	2.37e-04	-1.40e-04	0.0
106	71	6.39e-03	-2.37e-03	-0.34	-2.86e-05	-1.30e-04	0.0
106	76	-1.71e-03	-0.01	-0.34	1.16e-04	-1.42e-04	0.0
106	82	1.81e-03	-0.01	-0.34	1.15e-04	-1.38e-04	0.0
107	3	6.62e-04	0.02	-0.38	-1.32e-04	-2.89e-04	0.0
107	5	0.02	-5.42e-03	-0.37	1.05e-05	-2.68e-04	0.0
107	8	-7.94e-05	-0.05	-0.35	2.56e-04	-3.00e-04	0.0
107	11	4.56e-04	9.83e-03	-0.29	-1.02e-04	-2.17e-04	0.0
107	13	0.01	-4.29e-03	-0.28	-6.90e-06	-2.03e-04	0.0
107	16	-3.50e-05	-0.03	-0.27	1.57e-04	-2.24e-04	0.0
107	17	2.50e-04	-4.44e-03	-0.27	-1.18e-05	-2.12e-04	0.0

107	21	2.96e-03	-4.31e-03	-0.27	-1.49e-05	-2.07e-04	0.0
107	24	1.86e-04	-9.97e-03	-0.27	1.78e-05	-2.11e-04	0.0
107	25	2.51e-04	-4.40e-03	-0.27	-1.50e-05	-2.09e-04	0.0
107	39	0.01	1.86e-04	-0.28	-7.46e-05	-1.84e-04	0.0
107	50	3.30e-03	-0.02	-0.27	1.95e-04	-2.12e-04	0.0
107	54	4.45e-03	0.01	-0.28	-2.23e-04	-1.93e-04	0.0
107	70	6.16e-03	-1.67e-03	-0.28	-4.41e-05	-1.97e-04	0.0
107	71	6.35e-03	-2.17e-03	-0.28	-4.33e-05	-1.97e-04	0.0
107	76	-1.76e-03	-0.01	-0.27	8.44e-05	-2.17e-04	0.0
108	3	6.68e-04	0.02	-0.48	-1.17e-04	-1.91e-04	0.0
108	5	0.02	-6.29e-03	-0.46	3.79e-05	-1.81e-04	0.0
108	8	-8.34e-05	-0.05	-0.45	3.05e-04	-1.94e-04	0.0
108	11	4.60e-04	9.91e-03	-0.36	-9.11e-05	-1.41e-04	0.0
108	13	0.01	-4.90e-03	-0.35	1.25e-05	-1.34e-04	0.0
108	16	-3.74e-05	-0.03	-0.34	1.90e-04	-1.42e-04	0.0
108	17	2.52e-04	-4.91e-03	-0.34	7.60e-06	-1.36e-04	0.0
108	21	2.96e-03	-4.84e-03	-0.34	4.07e-06	-1.33e-04	0.0
108	24	1.87e-04	-0.01	-0.34	3.96e-05	-1.35e-04	0.0
108	25	2.53e-04	-4.87e-03	-0.34	4.13e-06	-1.34e-04	0.0
108	39	0.01	3.47e-04	-0.34	-6.63e-05	-1.19e-04	0.0
108	44	-3.90e-03	-0.02	-0.33	2.39e-04	-1.43e-04	0.0
108	54	4.46e-03	0.01	-0.35	-2.30e-04	-1.24e-04	0.0
108	71	6.36e-03	-2.37e-03	-0.34	-2.94e-05	-1.27e-04	0.0
108	76	-1.76e-03	-0.01	-0.34	1.16e-04	-1.38e-04	0.0
108	86	2.31e-03	4.05e-03	-0.34	-1.07e-04	-1.29e-04	0.0
109	4	7.42e-04	-0.03	-0.48	2.07e-04	-2.31e-04	0.0
109	5	0.02	-6.19e-03	-0.46	3.77e-05	-2.08e-04	0.0
109	8	8.19e-04	-0.05	-0.48	2.99e-04	-2.27e-04	0.0
109	12	5.20e-04	-0.02	-0.37	1.25e-04	-1.70e-04	0.0
109	13	0.01	-4.83e-03	-0.35	1.26e-05	-1.54e-04	0.0
109	16	5.71e-04	-0.03	-0.36	1.87e-04	-1.67e-04	0.0
109	17	4.03e-04	-4.85e-03	-0.34	8.38e-06	-1.56e-04	0.0
109	21	3.13e-03	-4.78e-03	-0.33	5.12e-06	-1.52e-04	0.0
109	24	4.28e-04	-0.01	-0.34	4.00e-05	-1.55e-04	0.0
109	25	4.05e-04	-4.81e-03	-0.33	5.22e-06	-1.53e-04	0.0
109	37	0.01	-9.94e-03	-0.34	7.01e-05	-1.44e-04	0.0
109	44	-2.56e-03	-0.02	-0.36	2.34e-04	-1.68e-04	0.0
109	50	4.59e-03	-0.02	-0.36	2.33e-04	-1.60e-04	0.0
109	69	6.49e-03	-7.24e-03	-0.34	3.61e-05	-1.49e-04	0.0
109	76	-1.05e-03	-0.01	-0.34	1.14e-04	-1.61e-04	0.0
109	82	2.47e-03	-0.01	-0.35	1.13e-04	-1.57e-04	0.0
110	4	9.02e-04	-0.03	-0.49	2.09e-04	-2.32e-04	0.0
110	5	0.02	-6.19e-03	-0.46	3.99e-05	-2.08e-04	0.0
110	8	1.05e-03	-0.05	-0.49	3.02e-04	-2.28e-04	0.0
110	12	6.29e-04	-0.02	-0.37	1.27e-04	-1.70e-04	0.0
110	13	0.01	-4.83e-03	-0.35	1.44e-05	-1.54e-04	0.0
110	16	7.25e-04	-0.03	-0.37	1.89e-04	-1.67e-04	0.0
110	17	4.43e-04	-4.86e-03	-0.34	1.02e-05	-1.56e-04	0.0
110	21	3.18e-03	-4.78e-03	-0.33	6.88e-06	-1.52e-04	0.0
110	24	4.89e-04	-0.01	-0.34	4.18e-05	-1.55e-04	0.0
110	25	4.44e-04	-4.81e-03	-0.33	7.01e-06	-1.54e-04	0.0
110	37	0.01	-9.94e-03	-0.34	7.19e-05	-1.44e-04	0.0
110	44	-2.51e-03	-0.02	-0.36	2.36e-04	-1.69e-04	0.0
110	50	4.63e-03	-0.02	-0.36	2.35e-04	-1.60e-04	0.0
110	69	6.53e-03	-7.24e-03	-0.34	3.79e-05	-1.49e-04	0.0
110	76	-1.00e-03	-0.01	-0.35	1.16e-04	-1.61e-04	0.0

110	82	2.51e-03	-0.01	-0.35	1.15e-04	-1.57e-04	0.0
111	4	5.84e-04	-0.03	-0.48	2.05e-04	-2.29e-04	0.0
111	5	0.02	-6.19e-03	-0.45	3.59e-05	-2.06e-04	0.0
111	8	5.93e-04	-0.05	-0.47	2.97e-04	-2.24e-04	0.0
111	12	4.13e-04	-0.02	-0.36	1.24e-04	-1.68e-04	0.0
111	13	0.01	-4.83e-03	-0.35	1.13e-05	-1.53e-04	0.0
111	16	4.19e-04	-0.03	-0.36	1.85e-04	-1.65e-04	0.0
111	17	3.66e-04	-4.85e-03	-0.34	6.92e-06	-1.54e-04	0.0
111	21	3.09e-03	-4.78e-03	-0.33	3.71e-06	-1.51e-04	0.0
111	24	3.68e-04	-0.01	-0.34	3.86e-05	-1.53e-04	0.0
111	25	3.67e-04	-4.81e-03	-0.33	3.78e-06	-1.52e-04	0.0
111	37	0.01	-9.94e-03	-0.34	6.88e-05	-1.42e-04	0.0
111	44	-3.91e-03	-0.02	-0.35	2.33e-04	-1.66e-04	0.0
111	50	3.26e-03	-0.02	-0.35	2.32e-04	-1.58e-04	0.0
111	69	6.46e-03	-7.24e-03	-0.34	3.47e-05	-1.47e-04	0.0
111	76	-1.71e-03	-0.01	-0.34	1.13e-04	-1.59e-04	0.0
111	82	1.81e-03	-0.01	-0.34	1.12e-04	-1.55e-04	0.0
112	4	4.29e-04	-0.03	-0.47	2.04e-04	-2.26e-04	0.0
112	5	0.02	-6.19e-03	-0.45	3.50e-05	-2.03e-04	0.0
112	8	3.71e-04	-0.05	-0.46	2.97e-04	-2.21e-04	0.0
112	12	3.08e-04	-0.02	-0.36	1.23e-04	-1.66e-04	0.0
112	13	0.01	-4.82e-03	-0.35	1.05e-05	-1.51e-04	0.0
112	16	2.69e-04	-0.03	-0.35	1.85e-04	-1.62e-04	0.0
112	17	3.31e-04	-4.85e-03	-0.34	6.05e-06	-1.53e-04	0.0
112	21	3.05e-03	-4.77e-03	-0.33	2.84e-06	-1.49e-04	0.0
112	24	3.10e-04	-0.01	-0.34	3.78e-05	-1.52e-04	0.0
112	25	3.32e-04	-4.81e-03	-0.33	2.89e-06	-1.50e-04	0.0
112	41	0.01	3.19e-04	-0.33	-6.62e-05	-1.34e-04	0.0
112	44	-3.89e-03	-0.02	-0.34	2.33e-04	-1.63e-04	0.0
112	50	3.30e-03	-0.02	-0.34	2.32e-04	-1.54e-04	0.0
112	73	6.39e-03	-2.35e-03	-0.33	-3.00e-05	-1.42e-04	0.0
112	76	-1.72e-03	-0.01	-0.34	1.12e-04	-1.56e-04	0.0
112	82	1.81e-03	-0.01	-0.34	1.12e-04	-1.52e-04	0.0
113	3	6.54e-04	0.02	-0.47	-1.19e-04	-2.13e-04	0.0
113	5	0.02	-6.19e-03	-0.45	3.48e-05	-2.00e-04	0.0
113	8	1.09e-04	-0.05	-0.45	2.98e-04	-2.16e-04	0.0
113	11	4.52e-04	9.91e-03	-0.36	-9.21e-05	-1.57e-04	0.0
113	13	0.01	-4.83e-03	-0.35	1.03e-05	-1.49e-04	0.0
113	16	9.21e-05	-0.03	-0.34	1.86e-04	-1.59e-04	0.0
113	17	2.83e-04	-4.85e-03	-0.34	5.66e-06	-1.51e-04	0.0
113	21	3.00e-03	-4.78e-03	-0.33	2.33e-06	-1.47e-04	0.0
113	24	2.37e-04	-0.01	-0.33	3.74e-05	-1.49e-04	0.0
113	25	2.84e-04	-4.81e-03	-0.33	2.38e-06	-1.48e-04	0.0
113	38	0.01	8.10e-04	-0.34	-6.80e-05	-1.33e-04	0.0
113	39	0.01	3.17e-04	-0.34	-6.64e-05	-1.32e-04	0.0
113	44	-3.89e-03	-0.02	-0.33	2.31e-04	-1.59e-04	0.0
113	70	6.20e-03	-2.12e-03	-0.34	-3.11e-05	-1.41e-04	0.0
113	71	6.37e-03	-2.35e-03	-0.34	-3.04e-05	-1.40e-04	0.0
113	76	-1.74e-03	-0.01	-0.33	1.11e-04	-1.54e-04	0.0
114	3	6.58e-04	0.02	-0.47	-1.17e-04	-2.11e-04	0.0
114	5	0.02	-6.19e-03	-0.45	3.50e-05	-1.99e-04	0.0
114	8	-8.98e-05	-0.05	-0.44	2.96e-04	-2.13e-04	0.0
114	11	4.53e-04	9.91e-03	-0.36	-9.10e-05	-1.56e-04	0.0
114	13	0.01	-4.83e-03	-0.34	1.04e-05	-1.48e-04	0.0
114	16	-4.24e-05	-0.03	-0.34	1.85e-04	-1.58e-04	0.0
114	17	2.45e-04	-4.86e-03	-0.34	5.56e-06	-1.50e-04	0.0

114	21	2.96e-03	-4.78e-03	-0.33	2.12e-06	-1.46e-04	0.0
114	24	1.81e-04	-0.01	-0.33	3.70e-05	-1.48e-04	0.0
114	25	2.47e-04	-4.81e-03	-0.33	2.17e-06	-1.47e-04	0.0
114	39	0.01	3.15e-04	-0.34	-6.67e-05	-1.31e-04	0.0
114	44	-3.91e-03	-0.02	-0.33	2.32e-04	-1.57e-04	0.0
114	54	4.45e-03	0.01	-0.34	-2.27e-04	-1.37e-04	0.0
114	71	6.35e-03	-2.35e-03	-0.34	-3.07e-05	-1.39e-04	0.0
114	76	-1.77e-03	-0.01	-0.33	1.11e-04	-1.52e-04	0.0
114	86	2.30e-03	4.14e-03	-0.34	-1.07e-04	-1.42e-04	0.0
115	4	7.32e-04	-0.03	-0.47	2.00e-04	-2.60e-04	0.0
115	5	0.02	-6.05e-03	-0.44	3.21e-05	-2.31e-04	0.0
115	8	8.06e-04	-0.05	-0.46	2.91e-04	-2.55e-04	0.0
115	12	5.13e-04	-0.02	-0.35	1.20e-04	-1.91e-04	0.0
115	13	0.01	-4.73e-03	-0.34	8.73e-06	-1.72e-04	0.0
115	16	5.63e-04	-0.03	-0.35	1.81e-04	-1.88e-04	0.0
115	17	4.00e-04	-4.77e-03	-0.33	4.58e-06	-1.75e-04	0.0
115	21	3.13e-03	-4.69e-03	-0.32	1.31e-06	-1.71e-04	0.0
115	24	4.23e-04	-0.01	-0.33	3.58e-05	-1.74e-04	0.0
115	25	4.01e-04	-4.73e-03	-0.32	1.43e-06	-1.72e-04	0.0
115	37	0.01	-9.84e-03	-0.33	6.54e-05	-1.61e-04	0.0
115	44	-2.59e-03	-0.02	-0.34	2.27e-04	-1.90e-04	0.0
115	50	4.56e-03	-0.02	-0.35	2.26e-04	-1.80e-04	0.0
115	69	6.48e-03	-7.14e-03	-0.33	3.19e-05	-1.66e-04	0.0
115	76	-1.06e-03	-0.01	-0.33	1.09e-04	-1.81e-04	0.0
115	82	2.45e-03	-0.01	-0.33	1.08e-04	-1.76e-04	0.0
116	4	8.90e-04	-0.03	-0.48	2.02e-04	-2.60e-04	0.0
116	5	0.02	-6.05e-03	-0.44	3.39e-05	-2.31e-04	0.0
116	8	1.03e-03	-0.05	-0.47	2.93e-04	-2.56e-04	0.0
116	12	6.20e-04	-0.02	-0.36	1.22e-04	-1.91e-04	0.0
116	13	0.01	-4.73e-03	-0.34	1.02e-05	-1.72e-04	0.0
116	16	7.15e-04	-0.03	-0.36	1.83e-04	-1.89e-04	0.0
116	17	4.38e-04	-4.77e-03	-0.33	6.12e-06	-1.75e-04	0.0
116	21	3.17e-03	-4.69e-03	-0.32	2.80e-06	-1.71e-04	0.0
116	24	4.84e-04	-0.01	-0.33	3.74e-05	-1.74e-04	0.0
116	25	4.40e-04	-4.73e-03	-0.32	2.95e-06	-1.72e-04	0.0
116	37	0.01	-9.84e-03	-0.34	6.69e-05	-1.61e-04	0.0
116	44	-2.55e-03	-0.02	-0.35	2.29e-04	-1.90e-04	0.0
116	50	4.59e-03	-0.02	-0.35	2.28e-04	-1.81e-04	0.0
116	69	6.52e-03	-7.14e-03	-0.33	3.34e-05	-1.66e-04	0.0
116	76	-1.02e-03	-0.01	-0.34	1.10e-04	-1.81e-04	0.0
116	82	2.49e-03	-0.01	-0.34	1.10e-04	-1.76e-04	0.0
117	4	5.75e-04	-0.03	-0.46	1.98e-04	-2.57e-04	0.0
117	5	0.02	-6.05e-03	-0.44	3.08e-05	-2.29e-04	0.0
117	8	5.83e-04	-0.05	-0.45	2.89e-04	-2.52e-04	0.0
117	12	4.06e-04	-0.02	-0.35	1.19e-04	-1.89e-04	0.0
117	13	0.01	-4.73e-03	-0.34	7.68e-06	-1.71e-04	0.0
117	16	4.12e-04	-0.03	-0.34	1.80e-04	-1.86e-04	0.0
117	17	3.62e-04	-4.77e-03	-0.33	3.41e-06	-1.73e-04	0.0
117	21	3.09e-03	-4.69e-03	-0.32	0.0	-1.69e-04	0.0
117	24	3.63e-04	-0.01	-0.33	3.46e-05	-1.72e-04	0.0
117	25	3.63e-04	-4.73e-03	-0.32	0.0	-1.70e-04	0.0
117	37	0.01	-9.84e-03	-0.33	6.43e-05	-1.59e-04	0.0
117	44	-3.91e-03	-0.02	-0.34	2.26e-04	-1.87e-04	0.0
117	50	3.26e-03	-0.02	-0.34	2.25e-04	-1.77e-04	0.0
117	69	6.45e-03	-7.14e-03	-0.33	3.07e-05	-1.65e-04	0.0
117	76	-1.71e-03	-0.01	-0.33	1.08e-04	-1.78e-04	0.0

117	82	1.81e-03	-0.01	-0.33	1.07e-04	-1.74e-04	0.0
118	4	4.18e-04	-0.03	-0.46	1.97e-04	-2.54e-04	0.0
118	5	0.02	-6.05e-03	-0.44	3.02e-05	-2.26e-04	0.0
118	8	3.59e-04	-0.05	-0.45	2.89e-04	-2.48e-04	0.0
118	12	3.00e-04	-0.02	-0.35	1.19e-04	-1.87e-04	0.0
118	13	0.01	-4.72e-03	-0.34	7.18e-06	-1.69e-04	0.0
118	16	2.61e-04	-0.03	-0.34	1.79e-04	-1.83e-04	0.0
118	17	3.24e-04	-4.77e-03	-0.33	2.75e-06	-1.72e-04	0.0
118	21	3.04e-03	-4.69e-03	-0.32	0.0	-1.67e-04	0.0
118	24	3.03e-04	-0.01	-0.33	3.40e-05	-1.70e-04	0.0
118	25	3.25e-04	-4.73e-03	-0.32	0.0	-1.69e-04	0.0
118	39	0.01	2.79e-04	-0.32	-6.82e-05	-1.50e-04	0.0
118	44	-3.89e-03	-0.02	-0.33	2.25e-04	-1.84e-04	0.0
118	50	3.29e-03	-0.02	-0.33	2.24e-04	-1.74e-04	0.0
118	71	6.38e-03	-2.32e-03	-0.32	-3.27e-05	-1.59e-04	0.0
118	76	-1.72e-03	-0.01	-0.33	1.07e-04	-1.76e-04	0.0
118	82	1.80e-03	-0.01	-0.33	1.06e-04	-1.71e-04	0.0
119	3	6.49e-04	0.02	-0.45	-1.20e-04	-2.38e-04	0.0
119	5	0.02	-6.04e-03	-0.44	3.02e-05	-2.24e-04	0.0
119	8	1.02e-04	-0.05	-0.44	2.88e-04	-2.43e-04	0.0
119	11	4.48e-04	9.90e-03	-0.35	-9.32e-05	-1.76e-04	0.0
119	13	0.01	-4.72e-03	-0.34	7.08e-06	-1.67e-04	0.0
119	16	8.71e-05	-0.03	-0.33	1.79e-04	-1.80e-04	0.0
119	17	2.78e-04	-4.77e-03	-0.33	2.44e-06	-1.70e-04	0.0
119	21	2.99e-03	-4.69e-03	-0.32	0.0	-1.66e-04	0.0
119	24	2.33e-04	-0.01	-0.32	3.36e-05	-1.68e-04	0.0
119	25	2.80e-04	-4.73e-03	-0.32	0.0	-1.67e-04	0.0
119	38	0.01	8.78e-04	-0.33	-7.02e-05	-1.49e-04	0.0
119	39	0.01	2.81e-04	-0.33	-6.85e-05	-1.48e-04	0.0
119	44	-3.89e-03	-0.02	-0.32	2.25e-04	-1.80e-04	0.0
119	70	6.19e-03	-2.04e-03	-0.33	-3.38e-05	-1.58e-04	0.0
119	71	6.36e-03	-2.32e-03	-0.33	-3.31e-05	-1.58e-04	0.0
119	76	-1.74e-03	-0.01	-0.32	1.07e-04	-1.73e-04	0.0
120	3	6.55e-04	0.02	-0.46	-1.20e-04	-2.37e-04	0.0
120	5	0.02	-6.04e-03	-0.44	3.03e-05	-2.22e-04	0.0
120	8	-9.44e-05	-0.05	-0.43	2.88e-04	-2.40e-04	0.0
120	11	4.50e-04	9.90e-03	-0.35	-9.29e-05	-1.76e-04	0.0
120	13	0.01	-4.72e-03	-0.34	7.11e-06	-1.66e-04	0.0
120	16	-4.58e-05	-0.03	-0.33	1.79e-04	-1.78e-04	0.0
120	17	2.43e-04	-4.77e-03	-0.33	2.31e-06	-1.68e-04	0.0
120	21	2.95e-03	-4.68e-03	-0.32	-1.01e-06	-1.64e-04	0.0
120	24	1.78e-04	-0.01	-0.32	3.33e-05	-1.67e-04	0.0
120	25	2.44e-04	-4.73e-03	-0.32	0.0	-1.66e-04	0.0
120	39	0.01	2.82e-04	-0.33	-6.85e-05	-1.47e-04	0.0
120	44	-3.91e-03	-0.02	-0.32	2.24e-04	-1.77e-04	0.0
120	54	4.45e-03	0.01	-0.33	-2.26e-04	-1.54e-04	0.0
120	71	6.35e-03	-2.32e-03	-0.33	-3.31e-05	-1.57e-04	0.0
120	76	-1.77e-03	-0.01	-0.32	1.06e-04	-1.71e-04	0.0
120	86	2.30e-03	4.27e-03	-0.33	-1.08e-04	-1.60e-04	0.0
121	4	7.21e-04	-0.03	-0.45	1.92e-04	-2.82e-04	0.0
121	5	0.02	-5.90e-03	-0.43	2.62e-05	-2.49e-04	0.0
121	8	7.92e-04	-0.05	-0.45	2.82e-04	-2.77e-04	0.0
121	12	5.05e-04	-0.02	-0.34	1.15e-04	-2.08e-04	0.0
121	13	0.01	-4.63e-03	-0.33	4.50e-06	-1.87e-04	0.0
121	16	5.52e-04	-0.03	-0.34	1.75e-04	-2.05e-04	0.0
121	17	3.95e-04	-4.70e-03	-0.32	0.0	-1.90e-04	0.0

121	21	3.12e-03	-4.60e-03	-0.31	-2.81e-06	-1.86e-04	0.0
121	24	4.18e-04	-0.01	-0.32	3.13e-05	-1.90e-04	0.0
121	25	3.97e-04	-4.66e-03	-0.31	-2.69e-06	-1.88e-04	0.0
121	37	0.01	-9.72e-03	-0.32	6.02e-05	-1.74e-04	0.0
121	50	4.53e-03	-0.02	-0.34	2.18e-04	-1.96e-04	0.0
121	69	6.48e-03	-7.04e-03	-0.32	2.73e-05	-1.81e-04	0.0
121	76	-1.08e-03	-0.01	-0.32	1.03e-04	-1.97e-04	0.0
121	82	2.44e-03	-0.01	-0.32	1.02e-04	-1.92e-04	0.0
122	4	8.75e-04	-0.03	-0.46	1.93e-04	-2.82e-04	0.0
122	5	0.02	-5.90e-03	-0.43	2.75e-05	-2.49e-04	0.0
122	8	1.01e-03	-0.05	-0.46	2.84e-04	-2.77e-04	0.0
122	12	6.09e-04	-0.02	-0.35	1.16e-04	-2.08e-04	0.0
122	13	0.01	-4.63e-03	-0.33	5.56e-06	-1.87e-04	0.0
122	16	7.00e-04	-0.03	-0.34	1.76e-04	-2.05e-04	0.0
122	17	4.32e-04	-4.70e-03	-0.32	1.62e-06	-1.91e-04	0.0
122	21	3.17e-03	-4.60e-03	-0.31	-1.64e-06	-1.86e-04	0.0
122	24	4.77e-04	-0.01	-0.32	3.25e-05	-1.90e-04	0.0
122	25	4.34e-04	-4.66e-03	-0.31	-1.49e-06	-1.88e-04	0.0
122	37	0.01	-9.72e-03	-0.33	6.14e-05	-1.74e-04	0.0
122	50	4.56e-03	-0.02	-0.34	2.19e-04	-1.96e-04	0.0
122	52	4.56e-03	-0.02	-0.34	2.19e-04	-1.96e-04	0.0
122	69	6.51e-03	-7.04e-03	-0.32	2.84e-05	-1.81e-04	0.0
122	76	-1.04e-03	-0.01	-0.33	1.04e-04	-1.97e-04	0.0
122	82	2.47e-03	-0.01	-0.33	1.04e-04	-1.92e-04	0.0
123	4	5.66e-04	-0.03	-0.45	1.91e-04	-2.78e-04	0.0
123	5	0.02	-5.90e-03	-0.43	2.54e-05	-2.47e-04	0.0
123	8	5.72e-04	-0.05	-0.44	2.81e-04	-2.74e-04	0.0
123	12	4.00e-04	-0.02	-0.34	1.14e-04	-2.06e-04	0.0
123	13	0.01	-4.62e-03	-0.33	3.78e-06	-1.85e-04	0.0
123	16	4.04e-04	-0.03	-0.33	1.74e-04	-2.03e-04	0.0
123	17	3.58e-04	-4.70e-03	-0.32	0.0	-1.89e-04	0.0
123	21	3.08e-03	-4.60e-03	-0.31	-3.66e-06	-1.84e-04	0.0
123	24	3.59e-04	-0.01	-0.32	3.04e-05	-1.88e-04	0.0
123	25	3.60e-04	-4.65e-03	-0.31	-3.56e-06	-1.86e-04	0.0
123	37	0.01	-9.72e-03	-0.32	5.94e-05	-1.72e-04	0.0
123	50	3.25e-03	-0.02	-0.33	2.17e-04	-1.93e-04	0.0
123	69	6.44e-03	-7.04e-03	-0.32	2.64e-05	-1.79e-04	0.0
123	76	-1.71e-03	-0.01	-0.32	1.02e-04	-1.94e-04	0.0
123	82	1.80e-03	-0.01	-0.32	1.01e-04	-1.89e-04	0.0
124	4	4.11e-04	-0.03	-0.44	1.90e-04	-2.75e-04	0.0
124	5	0.02	-5.90e-03	-0.43	2.51e-05	-2.44e-04	0.0
124	8	3.51e-04	-0.05	-0.43	2.80e-04	-2.69e-04	0.0
124	12	2.95e-04	-0.02	-0.34	1.14e-04	-2.03e-04	0.0
124	13	0.01	-4.62e-03	-0.33	3.55e-06	-1.83e-04	0.0
124	16	2.55e-04	-0.03	-0.33	1.74e-04	-2.00e-04	0.0
124	17	3.20e-04	-4.70e-03	-0.32	0.0	-1.87e-04	0.0
124	21	3.04e-03	-4.60e-03	-0.31	-4.06e-06	-1.82e-04	0.0
124	24	2.99e-04	-0.01	-0.31	3.00e-05	-1.86e-04	0.0
124	25	3.22e-04	-4.65e-03	-0.31	-3.99e-06	-1.84e-04	0.0
124	41	0.01	2.52e-04	-0.32	-7.05e-05	-1.63e-04	0.0
124	50	3.29e-03	-0.02	-0.32	2.17e-04	-1.89e-04	0.0
124	73	6.37e-03	-2.29e-03	-0.31	-3.57e-05	-1.74e-04	0.0
124	76	-1.72e-03	-0.01	-0.32	1.02e-04	-1.92e-04	0.0
124	82	1.80e-03	-0.01	-0.32	1.01e-04	-1.86e-04	0.0
125	3	6.47e-04	0.02	-0.44	-1.23e-04	-2.57e-04	0.0
125	5	0.02	-5.90e-03	-0.43	2.54e-05	-2.41e-04	0.0

125	8	9.91e-05	-0.05	-0.42	2.80e-04	-2.65e-04	0.0
125	11	4.46e-04	9.88e-03	-0.33	-9.51e-05	-1.91e-04	0.0
125	13	0.01	-4.62e-03	-0.33	3.69e-06	-1.81e-04	0.0
125	16	8.50e-05	-0.03	-0.32	1.73e-04	-1.97e-04	0.0
125	17	2.77e-04	-4.69e-03	-0.32	0.0	-1.85e-04	0.0
125	21	2.99e-03	-4.60e-03	-0.31	-4.14e-06	-1.80e-04	0.0
125	24	2.31e-04	-0.01	-0.31	2.98e-05	-1.84e-04	0.0
125	25	2.78e-04	-4.65e-03	-0.31	-4.10e-06	-1.82e-04	0.0
125	38	0.01	9.54e-04	-0.32	-7.21e-05	-1.62e-04	0.0
125	39	0.01	2.53e-04	-0.32	-7.05e-05	-1.61e-04	0.0
125	50	3.31e-03	-0.02	-0.31	2.17e-04	-1.86e-04	0.0
125	70	6.18e-03	-1.96e-03	-0.32	-3.65e-05	-1.72e-04	0.0
125	71	6.36e-03	-2.29e-03	-0.32	-3.57e-05	-1.72e-04	0.0
125	76	-1.75e-03	-0.01	-0.31	1.01e-04	-1.89e-04	0.0
126	3	6.55e-04	0.02	-0.44	-1.22e-04	-2.56e-04	0.0
126	5	0.02	-5.90e-03	-0.43	2.57e-05	-2.40e-04	0.0
126	8	-9.27e-05	-0.05	-0.41	2.80e-04	-2.62e-04	0.0
126	11	4.50e-04	9.88e-03	-0.34	-9.47e-05	-1.91e-04	0.0
126	13	0.01	-4.62e-03	-0.32	3.89e-06	-1.80e-04	0.0
126	16	-4.46e-05	-0.03	-0.32	1.73e-04	-1.94e-04	0.0
126	17	2.43e-04	-4.69e-03	-0.32	0.0	-1.84e-04	0.0
126	21	2.95e-03	-4.60e-03	-0.31	-4.11e-06	-1.79e-04	0.0
126	24	1.79e-04	-0.01	-0.31	2.98e-05	-1.82e-04	0.0
126	25	2.45e-04	-4.65e-03	-0.31	-4.09e-06	-1.81e-04	0.0
126	39	0.01	2.54e-04	-0.32	-7.04e-05	-1.60e-04	0.0
126	50	3.30e-03	-0.02	-0.31	2.16e-04	-1.83e-04	0.0
126	54	4.45e-03	0.01	-0.32	-2.25e-04	-1.68e-04	0.0
126	71	6.35e-03	-2.29e-03	-0.32	-3.57e-05	-1.71e-04	0.0
126	76	-1.77e-03	-0.01	-0.31	1.01e-04	-1.87e-04	0.0
126	86	2.30e-03	4.40e-03	-0.32	-1.09e-04	-1.75e-04	0.0
127	4	7.10e-04	-0.03	-0.44	1.83e-04	-2.97e-04	0.0
127	5	0.02	-5.77e-03	-0.41	2.00e-05	-2.62e-04	0.0
127	8	7.78e-04	-0.05	-0.43	2.73e-04	-2.93e-04	0.0
127	12	4.97e-04	-0.02	-0.33	1.09e-04	-2.21e-04	0.0
127	13	0.01	-4.53e-03	-0.31	0.0	-1.97e-04	0.0
127	16	5.43e-04	-0.03	-0.33	1.69e-04	-2.18e-04	0.0
127	17	3.92e-04	-4.62e-03	-0.31	-4.01e-06	-2.03e-04	0.0
127	21	3.12e-03	-4.52e-03	-0.30	-7.18e-06	-1.98e-04	0.0
127	24	4.13e-04	-0.01	-0.30	2.65e-05	-2.02e-04	0.0
127	25	3.94e-04	-4.58e-03	-0.30	-7.06e-06	-2.00e-04	0.0
127	37	0.01	-9.61e-03	-0.31	5.49e-05	-1.85e-04	0.0
127	50	4.51e-03	-0.02	-0.32	2.10e-04	-2.08e-04	0.0
127	69	6.47e-03	-6.94e-03	-0.31	2.24e-05	-1.92e-04	0.0
127	76	-1.09e-03	-0.01	-0.31	9.68e-05	-2.09e-04	0.0
127	82	2.42e-03	-0.01	-0.31	9.63e-05	-2.03e-04	0.0
128	4	8.60e-04	-0.03	-0.44	1.84e-04	-2.98e-04	0.0
128	5	0.02	-5.77e-03	-0.41	2.08e-05	-2.63e-04	0.0
128	8	9.91e-04	-0.05	-0.44	2.74e-04	-2.94e-04	0.0
128	12	5.98e-04	-0.02	-0.33	1.10e-04	-2.21e-04	0.0
128	13	0.01	-4.53e-03	-0.31	0.0	-1.97e-04	0.0
128	16	6.86e-04	-0.03	-0.33	1.69e-04	-2.18e-04	0.0
128	17	4.27e-04	-4.62e-03	-0.31	-3.17e-06	-2.03e-04	0.0
128	21	3.16e-03	-4.52e-03	-0.30	-6.35e-06	-1.98e-04	0.0
128	24	4.70e-04	-0.01	-0.31	2.74e-05	-2.02e-04	0.0
128	25	4.29e-04	-4.58e-03	-0.30	-6.20e-06	-2.00e-04	0.0
128	37	0.01	-9.61e-03	-0.31	5.56e-05	-1.85e-04	0.0

128	50	4.53e-03	-0.02	-0.33	2.11e-04	-2.08e-04	0.0
128	69	6.51e-03	-6.94e-03	-0.31	2.32e-05	-1.92e-04	0.0
128	76	-1.05e-03	-0.01	-0.31	9.77e-05	-2.10e-04	0.0
128	82	2.45e-03	-0.01	-0.31	9.71e-05	-2.04e-04	0.0
129	4	5.59e-04	-0.03	-0.43	1.83e-04	-2.94e-04	0.0
129	5	0.02	-5.76e-03	-0.41	1.96e-05	-2.60e-04	0.0
129	8	5.63e-04	-0.05	-0.42	2.72e-04	-2.90e-04	0.0
129	12	3.95e-04	-0.02	-0.33	1.08e-04	-2.18e-04	0.0
129	13	0.01	-4.53e-03	-0.31	0.0	-1.95e-04	0.0
129	16	3.98e-04	-0.03	-0.32	1.68e-04	-2.15e-04	0.0
129	17	3.56e-04	-4.62e-03	-0.31	-4.55e-06	-2.01e-04	0.0
129	21	3.08e-03	-4.52e-03	-0.30	-7.70e-06	-1.96e-04	0.0
129	24	3.56e-04	-0.01	-0.30	2.60e-05	-2.00e-04	0.0
129	25	3.58e-04	-4.58e-03	-0.30	-7.61e-06	-1.98e-04	0.0
129	37	0.01	-9.61e-03	-0.31	5.44e-05	-1.83e-04	0.0
129	50	3.25e-03	-0.02	-0.32	2.10e-04	-2.05e-04	0.0
129	69	6.44e-03	-6.94e-03	-0.31	2.19e-05	-1.90e-04	0.0
129	76	-1.71e-03	-0.01	-0.31	9.62e-05	-2.07e-04	0.0
129	82	1.80e-03	-0.01	-0.31	9.57e-05	-2.01e-04	0.0
130	4	4.07e-04	-0.03	-0.43	1.83e-04	-2.91e-04	0.0
130	5	0.02	-5.76e-03	-0.41	1.98e-05	-2.57e-04	0.0
130	8	3.46e-04	-0.05	-0.41	2.72e-04	-2.86e-04	0.0
130	12	2.92e-04	-0.02	-0.32	1.08e-04	-2.16e-04	0.0
130	13	0.01	-4.53e-03	-0.31	0.0	-1.94e-04	0.0
130	16	2.52e-04	-0.03	-0.32	1.68e-04	-2.12e-04	0.0
130	17	3.19e-04	-4.62e-03	-0.31	-4.61e-06	-1.99e-04	0.0
130	21	3.04e-03	-4.52e-03	-0.30	-7.77e-06	-1.94e-04	0.0
130	24	2.98e-04	-0.01	-0.30	2.58e-05	-1.98e-04	0.0
130	25	3.21e-04	-4.58e-03	-0.30	-7.71e-06	-1.96e-04	0.0
130	39	0.01	2.29e-04	-0.31	-7.30e-05	-1.73e-04	0.0
130	50	3.29e-03	-0.02	-0.31	2.09e-04	-2.01e-04	0.0
130	71	6.37e-03	-2.26e-03	-0.30	-3.88e-05	-1.85e-04	0.0
130	76	-1.72e-03	-0.01	-0.31	9.60e-05	-2.04e-04	0.0
130	82	1.80e-03	-0.01	-0.31	9.55e-05	-1.99e-04	0.0
131	3	6.47e-04	0.02	-0.42	-1.26e-04	-2.71e-04	0.0
131	5	0.02	-5.76e-03	-0.41	2.06e-05	-2.55e-04	0.0
131	8	9.87e-05	-0.05	-0.41	2.72e-04	-2.82e-04	0.0
131	11	4.46e-04	9.87e-03	-0.32	-9.72e-05	-2.03e-04	0.0
131	13	0.01	-4.53e-03	-0.31	0.0	-1.92e-04	0.0
131	16	8.47e-05	-0.03	-0.31	1.68e-04	-2.10e-04	0.0
131	17	2.77e-04	-4.62e-03	-0.31	-4.27e-06	-1.97e-04	0.0
131	21	2.99e-03	-4.52e-03	-0.30	-7.45e-06	-1.92e-04	0.0
131	24	2.31e-04	-0.01	-0.30	2.61e-05	-1.96e-04	0.0
131	25	2.78e-04	-4.58e-03	-0.30	-7.41e-06	-1.94e-04	0.0
131	38	0.01	1.03e-03	-0.31	-7.43e-05	-1.72e-04	0.0
131	39	0.01	2.30e-04	-0.31	-7.26e-05	-1.71e-04	0.0
131	50	3.30e-03	-0.02	-0.30	2.10e-04	-1.98e-04	0.0
131	70	6.18e-03	-1.87e-03	-0.31	-3.92e-05	-1.83e-04	0.0
131	71	6.36e-03	-2.26e-03	-0.31	-3.85e-05	-1.83e-04	0.0
131	76	-1.74e-03	-0.01	-0.30	9.63e-05	-2.02e-04	0.0
132	3	6.56e-04	0.02	-0.43	-1.25e-04	-2.70e-04	0.0
132	5	0.02	-5.76e-03	-0.41	2.14e-05	-2.53e-04	0.0
132	8	-8.94e-05	-0.05	-0.40	2.73e-04	-2.79e-04	0.0
132	11	4.51e-04	9.87e-03	-0.32	-9.65e-05	-2.02e-04	0.0
132	13	0.01	-4.53e-03	-0.31	0.0	-1.90e-04	0.0
132	16	-4.22e-05	-0.03	-0.31	1.68e-04	-2.07e-04	0.0

132	17	2.44e-04	-4.62e-03	-0.31	-3.86e-06	-1.96e-04	0.0
132	21	2.95e-03	-4.52e-03	-0.30	-7.06e-06	-1.91e-04	0.0
132	24	1.80e-04	-0.01	-0.30	2.64e-05	-1.94e-04	0.0
132	25	2.46e-04	-4.58e-03	-0.30	-7.05e-06	-1.93e-04	0.0
132	39	0.01	2.30e-04	-0.31	-7.22e-05	-1.70e-04	0.0
132	50	3.30e-03	-0.02	-0.30	2.10e-04	-1.95e-04	0.0
132	54	4.45e-03	0.01	-0.31	-2.24e-04	-1.79e-04	0.0
132	71	6.35e-03	-2.26e-03	-0.31	-3.81e-05	-1.82e-04	0.0
132	76	-1.77e-03	-0.01	-0.30	9.66e-05	-2.00e-04	0.0
132	86	2.30e-03	4.53e-03	-0.31	-1.11e-04	-1.86e-04	0.0
133	4	7.03e-04	-0.03	-0.42	1.75e-04	-3.08e-04	0.0
133	5	0.02	-5.63e-03	-0.40	1.37e-05	-2.71e-04	0.0
133	8	7.68e-04	-0.05	-0.41	2.64e-04	-3.04e-04	0.0
133	12	4.92e-04	-0.02	-0.32	1.03e-04	-2.29e-04	0.0
133	13	0.01	-4.44e-03	-0.30	-4.63e-06	-2.04e-04	0.0
133	16	5.36e-04	-0.03	-0.31	1.62e-04	-2.26e-04	0.0
133	17	3.90e-04	-4.55e-03	-0.29	-8.53e-06	-2.11e-04	0.0
133	21	3.12e-03	-4.43e-03	-0.29	-1.16e-05	-2.06e-04	0.0
133	24	4.10e-04	-0.01	-0.29	2.18e-05	-2.11e-04	0.0
133	25	3.92e-04	-4.51e-03	-0.29	-1.15e-05	-2.08e-04	0.0
133	37	0.01	-9.51e-03	-0.30	4.95e-05	-1.92e-04	0.0
133	50	4.50e-03	-0.02	-0.31	2.03e-04	-2.16e-04	0.0
133	69	6.47e-03	-6.85e-03	-0.30	1.75e-05	-2.00e-04	0.0
133	76	-1.09e-03	-0.01	-0.30	9.09e-05	-2.18e-04	0.0
133	82	2.42e-03	-0.01	-0.30	9.03e-05	-2.12e-04	0.0
134	4	8.49e-04	-0.03	-0.42	1.76e-04	-3.08e-04	0.0
134	5	0.02	-5.63e-03	-0.40	1.41e-05	-2.71e-04	0.0
134	8	9.76e-04	-0.05	-0.42	2.65e-04	-3.04e-04	0.0
134	12	5.91e-04	-0.02	-0.32	1.04e-04	-2.29e-04	0.0
134	13	0.01	-4.44e-03	-0.30	-4.27e-06	-2.05e-04	0.0
134	16	6.76e-04	-0.03	-0.32	1.63e-04	-2.26e-04	0.0
134	17	4.24e-04	-4.55e-03	-0.29	-8.03e-06	-2.11e-04	0.0
134	21	3.16e-03	-4.44e-03	-0.29	-1.11e-05	-2.06e-04	0.0
134	24	4.65e-04	-0.01	-0.29	2.23e-05	-2.11e-04	0.0
134	25	4.26e-04	-4.51e-03	-0.29	-1.10e-05	-2.09e-04	0.0
134	37	0.01	-9.51e-03	-0.30	5.00e-05	-1.92e-04	0.0
134	50	4.51e-03	-0.02	-0.32	2.03e-04	-2.16e-04	0.0
134	52	4.51e-03	-0.02	-0.32	2.03e-04	-2.16e-04	0.0
134	69	6.50e-03	-6.85e-03	-0.30	1.80e-05	-2.00e-04	0.0
134	76	-1.06e-03	-0.01	-0.30	9.14e-05	-2.18e-04	0.0
134	82	2.44e-03	-0.01	-0.30	9.08e-05	-2.12e-04	0.0
135	4	5.55e-04	-0.03	-0.41	1.75e-04	-3.05e-04	0.0
135	5	0.02	-5.63e-03	-0.40	1.36e-05	-2.69e-04	0.0
135	8	5.56e-04	-0.05	-0.40	2.64e-04	-3.01e-04	0.0
135	12	3.92e-04	-0.02	-0.31	1.03e-04	-2.27e-04	0.0
135	13	0.01	-4.44e-03	-0.30	-4.69e-06	-2.03e-04	0.0
135	16	3.93e-04	-0.03	-0.31	1.62e-04	-2.24e-04	0.0
135	17	3.55e-04	-4.55e-03	-0.29	-8.76e-06	-2.09e-04	0.0
135	21	3.08e-03	-4.43e-03	-0.29	-1.18e-05	-2.04e-04	0.0
135	24	3.54e-04	-0.01	-0.29	2.15e-05	-2.09e-04	0.0
135	25	3.56e-04	-4.51e-03	-0.29	-1.17e-05	-2.07e-04	0.0
135	37	0.01	-9.51e-03	-0.30	4.93e-05	-1.90e-04	0.0
135	50	3.25e-03	-0.02	-0.30	2.02e-04	-2.13e-04	0.0
135	69	6.43e-03	-6.85e-03	-0.29	1.73e-05	-1.98e-04	0.0
135	76	-1.71e-03	-0.01	-0.30	9.06e-05	-2.16e-04	0.0
135	82	1.80e-03	-0.01	-0.30	9.00e-05	-2.10e-04	0.0

136	4	4.06e-04	-0.03	-0.41	1.76e-04	-3.01e-04	0.0
136	5	0.02	-5.63e-03	-0.40	1.43e-05	-2.66e-04	0.0
136	8	3.43e-04	-0.05	-0.40	2.64e-04	-2.97e-04	0.0
136	12	2.91e-04	-0.02	-0.31	1.03e-04	-2.24e-04	0.0
136	13	0.01	-4.44e-03	-0.30	-4.25e-06	-2.01e-04	0.0
136	16	2.50e-04	-0.03	-0.30	1.62e-04	-2.21e-04	0.0
136	17	3.19e-04	-4.55e-03	-0.29	-8.52e-06	-2.07e-04	0.0
136	21	3.04e-03	-4.44e-03	-0.29	-1.16e-05	-2.02e-04	0.0
136	24	2.97e-04	-0.01	-0.29	2.17e-05	-2.07e-04	0.0
136	25	3.21e-04	-4.51e-03	-0.29	-1.15e-05	-2.05e-04	0.0
136	39	0.01	2.09e-04	-0.29	-7.58e-05	-1.80e-04	0.0
136	50	3.29e-03	-0.02	-0.29	2.02e-04	-2.10e-04	0.0
136	51	2.26e-03	-0.02	-0.30	1.97e-04	-2.11e-04	0.0
136	71	6.37e-03	-2.23e-03	-0.29	-4.21e-05	-1.93e-04	0.0
136	76	-1.72e-03	-0.01	-0.29	9.07e-05	-2.13e-04	0.0
136	83	1.31e-03	-0.01	-0.29	8.77e-05	-2.08e-04	0.0
137	3	6.48e-04	0.02	-0.41	-1.29e-04	-2.81e-04	0.0
137	5	0.02	-5.63e-03	-0.40	1.58e-05	-2.63e-04	0.0
137	8	9.96e-05	-0.05	-0.39	2.65e-04	-2.93e-04	0.0
137	11	4.47e-04	9.85e-03	-0.31	-9.96e-05	-2.10e-04	0.0
137	13	0.01	-4.44e-03	-0.30	-3.14e-06	-1.99e-04	0.0
137	16	8.54e-05	-0.03	-0.30	1.63e-04	-2.18e-04	0.0
137	17	2.78e-04	-4.55e-03	-0.29	-7.67e-06	-2.06e-04	0.0
137	21	2.99e-03	-4.44e-03	-0.29	-1.08e-05	-2.01e-04	0.0
137	24	2.32e-04	-0.01	-0.29	2.24e-05	-2.05e-04	0.0
137	25	2.79e-04	-4.51e-03	-0.29	-1.08e-05	-2.03e-04	0.0
137	38	0.01	1.11e-03	-0.30	-7.65e-05	-1.79e-04	0.0
137	39	0.01	2.09e-04	-0.30	-7.49e-05	-1.78e-04	0.0
137	50	3.30e-03	-0.02	-0.29	2.03e-04	-2.06e-04	0.0
137	70	6.18e-03	-1.80e-03	-0.29	-4.21e-05	-1.91e-04	0.0
137	71	6.36e-03	-2.23e-03	-0.29	-4.13e-05	-1.91e-04	0.0
137	76	-1.74e-03	-0.01	-0.29	9.13e-05	-2.11e-04	0.0
138	3	6.58e-04	0.02	-0.41	-1.27e-04	-2.80e-04	0.0
138	5	0.02	-5.63e-03	-0.39	1.74e-05	-2.61e-04	0.0
138	8	-8.57e-05	-0.05	-0.38	2.66e-04	-2.90e-04	0.0
138	11	4.52e-04	9.85e-03	-0.31	-9.82e-05	-2.10e-04	0.0
138	13	0.01	-4.44e-03	-0.30	-1.92e-06	-1.97e-04	0.0
138	16	-3.96e-05	-0.03	-0.29	1.64e-04	-2.17e-04	0.0
138	17	2.46e-04	-4.55e-03	-0.29	-6.65e-06	-2.04e-04	0.0
138	21	2.96e-03	-4.44e-03	-0.29	-9.81e-06	-1.99e-04	0.0
138	24	1.82e-04	-0.01	-0.29	2.34e-05	-2.03e-04	0.0
138	25	2.48e-04	-4.51e-03	-0.29	-9.81e-06	-2.02e-04	0.0
138	39	0.01	2.09e-04	-0.30	-7.10e-05	-1.77e-04	0.0
138	50	3.30e-03	-0.02	-0.29	2.05e-04	-2.04e-04	0.0
138	54	4.45e-03	0.01	-0.30	-2.23e-04	-1.86e-04	0.0
138	71	6.35e-03	-2.23e-03	-0.30	-3.90e-05	-1.90e-04	0.0
138	76	-1.77e-03	-0.01	-0.29	9.19e-05	-2.09e-04	0.0
138	86	2.30e-03	4.66e-03	-0.30	-1.11e-04	-1.94e-04	0.0
139	4	7.01e-04	-0.03	-0.40	1.68e-04	-3.14e-04	0.0
139	5	0.02	-5.50e-03	-0.38	7.47e-06	-2.76e-04	0.0
139	8	7.64e-04	-0.05	-0.39	2.56e-04	-3.10e-04	0.0
139	12	4.91e-04	-0.02	-0.30	9.77e-05	-2.34e-04	0.0
139	13	0.01	-4.34e-03	-0.29	-9.18e-06	-2.08e-04	0.0
139	16	5.34e-04	-0.03	-0.30	1.57e-04	-2.31e-04	0.0
139	17	3.89e-04	-4.48e-03	-0.28	-1.29e-05	-2.16e-04	0.0
139	21	3.12e-03	-4.36e-03	-0.28	-1.59e-05	-2.11e-04	0.0

139	24	4.09e-04	-0.01	-0.28	1.72e-05	-2.16e-04	0.0
139	25	3.91e-04	-4.44e-03	-0.28	-1.58e-05	-2.14e-04	0.0
139	37	0.01	-9.40e-03	-0.29	4.45e-05	-1.96e-04	0.0
139	50	4.49e-03	-0.02	-0.30	1.96e-04	-2.20e-04	0.0
139	69	6.46e-03	-6.76e-03	-0.28	1.29e-05	-2.05e-04	0.0
139	76	-1.10e-03	-0.01	-0.28	8.54e-05	-2.23e-04	0.0
139	82	2.41e-03	-0.01	-0.29	8.49e-05	-2.16e-04	0.0
140	4	8.46e-04	-0.03	-0.40	1.68e-04	-3.14e-04	0.0
140	5	0.02	-5.50e-03	-0.38	7.57e-06	-2.76e-04	0.0
140	8	9.72e-04	-0.05	-0.40	2.56e-04	-3.10e-04	0.0
140	12	5.89e-04	-0.02	-0.30	9.78e-05	-2.34e-04	0.0
140	13	0.01	-4.34e-03	-0.29	-9.07e-06	-2.08e-04	0.0
140	16	6.74e-04	-0.03	-0.30	1.57e-04	-2.31e-04	0.0
140	17	4.23e-04	-4.48e-03	-0.28	-1.27e-05	-2.16e-04	0.0
140	21	3.16e-03	-4.36e-03	-0.28	-1.57e-05	-2.11e-04	0.0
140	24	4.64e-04	-0.01	-0.28	1.75e-05	-2.16e-04	0.0
140	25	4.25e-04	-4.44e-03	-0.28	-1.56e-05	-2.14e-04	0.0
140	37	0.01	-9.40e-03	-0.29	4.46e-05	-1.96e-04	0.0
140	50	4.51e-03	-0.02	-0.30	1.96e-04	-2.20e-04	0.0
140	69	6.50e-03	-6.76e-03	-0.28	1.31e-05	-2.05e-04	0.0
140	76	-1.07e-03	-0.01	-0.29	8.56e-05	-2.23e-04	0.0
140	84	2.44e-03	-0.01	-0.29	8.51e-05	-2.17e-04	0.0
141	4	5.54e-04	-0.03	-0.39	1.68e-04	-3.11e-04	0.0
141	5	0.02	-5.50e-03	-0.38	7.50e-06	-2.73e-04	0.0
141	8	5.55e-04	-0.05	-0.39	2.56e-04	-3.07e-04	0.0
141	12	3.91e-04	-0.02	-0.30	9.76e-05	-2.31e-04	0.0
141	13	0.01	-4.34e-03	-0.29	-9.18e-06	-2.06e-04	0.0
141	16	3.92e-04	-0.03	-0.29	1.56e-04	-2.29e-04	0.0
141	17	3.55e-04	-4.48e-03	-0.28	-1.31e-05	-2.15e-04	0.0
141	21	3.08e-03	-4.36e-03	-0.28	-1.60e-05	-2.09e-04	0.0
141	24	3.54e-04	-0.01	-0.28	1.71e-05	-2.14e-04	0.0
141	25	3.56e-04	-4.44e-03	-0.28	-1.59e-05	-2.12e-04	0.0
141	37	0.01	-9.40e-03	-0.29	4.44e-05	-1.94e-04	0.0
141	50	3.25e-03	-0.02	-0.29	1.96e-04	-2.17e-04	0.0
141	69	6.43e-03	-6.76e-03	-0.28	1.28e-05	-2.03e-04	0.0
141	76	-1.71e-03	-0.01	-0.28	8.52e-05	-2.21e-04	0.0
141	82	1.80e-03	-0.01	-0.28	8.47e-05	-2.14e-04	0.0
142	1	0.01	-5.68e-03	-0.39	1.90e-05	-2.87e-04	0.0
142	5	0.02	-5.50e-03	-0.38	7.84e-06	-2.70e-04	0.0
142	8	3.48e-04	-0.05	-0.38	2.56e-04	-3.03e-04	0.0
142	9	8.41e-03	-4.47e-03	-0.30	-1.49e-06	-2.15e-04	0.0
142	13	0.01	-4.35e-03	-0.29	-8.93e-06	-2.04e-04	0.0
142	16	2.53e-04	-0.03	-0.29	1.56e-04	-2.26e-04	0.0
142	17	3.21e-04	-4.48e-03	-0.28	-1.30e-05	-2.12e-04	0.0
142	21	3.04e-03	-4.36e-03	-0.28	-1.60e-05	-2.07e-04	0.0
142	24	2.99e-04	-0.01	-0.28	1.71e-05	-2.12e-04	0.0
142	25	3.23e-04	-4.44e-03	-0.28	-1.59e-05	-2.10e-04	0.0
142	35	0.01	-9.41e-03	-0.29	4.44e-05	-1.91e-04	0.0
142	39	0.01	1.92e-04	-0.28	-7.92e-05	-1.84e-04	0.0
142	50	3.29e-03	-0.02	-0.28	1.95e-04	-2.14e-04	0.0
142	67	5.89e-03	-6.76e-03	-0.28	1.28e-05	-2.00e-04	0.0
142	71	6.37e-03	-2.19e-03	-0.28	-4.61e-05	-1.97e-04	0.0
142	76	-1.72e-03	-0.01	-0.27	8.50e-05	-2.18e-04	0.0
143	3	6.50e-04	0.02	-0.39	-1.33e-04	-2.86e-04	0.0
143	5	0.02	-5.51e-03	-0.38	9.97e-06	-2.67e-04	0.0
143	8	1.01e-04	-0.05	-0.37	2.57e-04	-2.99e-04	0.0

143	11	4.49e-04	9.84e-03	-0.30	-1.03e-04	-2.15e-04	0.0
143	13	0.01	-4.35e-03	-0.29	-7.36e-06	-2.01e-04	0.0
143	16	8.68e-05	-0.03	-0.28	1.57e-04	-2.23e-04	0.0
143	17	2.79e-04	-4.49e-03	-0.28	-1.18e-05	-2.10e-04	0.0
143	21	2.99e-03	-4.36e-03	-0.28	-1.49e-05	-2.05e-04	0.0
143	24	2.33e-04	-0.01	-0.28	1.81e-05	-2.09e-04	0.0
143	25	2.81e-04	-4.44e-03	-0.28	-1.49e-05	-2.08e-04	0.0
143	38	0.01	1.19e-03	-0.29	-7.98e-05	-1.82e-04	0.0
143	39	0.01	1.90e-04	-0.29	-7.81e-05	-1.82e-04	0.0
143	50	3.31e-03	-0.02	-0.28	1.96e-04	-2.11e-04	0.0
143	70	6.18e-03	-1.72e-03	-0.28	-4.58e-05	-1.95e-04	0.0
143	71	6.36e-03	-2.20e-03	-0.28	-4.50e-05	-1.95e-04	0.0
143	76	-1.74e-03	-0.01	-0.28	8.61e-05	-2.16e-04	0.0
144	3	6.61e-04	0.02	-0.39	-1.29e-04	-2.86e-04	0.0
144	5	0.02	-5.50e-03	-0.38	1.42e-05	-2.66e-04	0.0
144	8	-8.59e-05	-0.05	-0.36	2.61e-04	-2.98e-04	0.0
144	11	4.55e-04	9.84e-03	-0.30	-9.96e-05	-2.15e-04	0.0
144	13	0.01	-4.35e-03	-0.29	-4.21e-06	-2.01e-04	0.0
144	16	-3.95e-05	-0.03	-0.28	1.60e-04	-2.22e-04	0.0
144	17	2.48e-04	-4.48e-03	-0.28	-9.11e-06	-2.10e-04	0.0
144	21	2.96e-03	-4.36e-03	-0.28	-1.22e-05	-2.05e-04	0.0
144	24	1.83e-04	-0.01	-0.28	2.06e-05	-2.09e-04	0.0
144	25	2.49e-04	-4.44e-03	-0.28	-1.23e-05	-2.07e-04	0.0
144	39	0.01	1.91e-04	-0.29	-7.25e-05	-1.82e-04	0.0
144	50	3.30e-03	-0.02	-0.27	1.99e-04	-2.10e-04	0.0
144	54	4.45e-03	0.01	-0.29	-2.23e-04	-1.91e-04	0.0
144	71	6.35e-03	-2.20e-03	-0.28	-4.09e-05	-1.95e-04	0.0
144	76	-1.77e-03	-0.01	-0.27	8.80e-05	-2.15e-04	0.0
144	86	2.30e-03	4.79e-03	-0.28	-1.12e-04	-1.99e-04	0.0
145	4	7.02e-04	-0.03	-0.38	1.61e-04	-3.16e-04	0.0
145	5	0.02	-5.34e-03	-0.36	1.72e-06	-2.77e-04	0.0
145	8	7.66e-04	-0.05	-0.37	2.49e-04	-3.11e-04	0.0
145	12	4.92e-04	-0.02	-0.29	9.28e-05	-2.35e-04	0.0
145	13	0.01	-4.24e-03	-0.27	-1.34e-05	-2.09e-04	0.0
145	16	5.35e-04	-0.03	-0.28	1.51e-04	-2.32e-04	0.0
145	17	3.90e-04	-4.40e-03	-0.27	-1.69e-05	-2.18e-04	0.0
145	21	3.12e-03	-4.26e-03	-0.26	-1.99e-05	-2.13e-04	0.0
145	24	4.10e-04	-9.90e-03	-0.26	1.31e-05	-2.17e-04	0.0
145	25	3.92e-04	-4.36e-03	-0.26	-1.97e-05	-2.15e-04	0.0
145	37	0.01	-9.28e-03	-0.28	3.99e-05	-1.97e-04	0.0
145	50	4.49e-03	-0.02	-0.28	1.90e-04	-2.20e-04	0.0
145	69	6.46e-03	-6.65e-03	-0.27	8.63e-06	-2.06e-04	0.0
145	76	-1.10e-03	-0.01	-0.27	8.05e-05	-2.24e-04	0.0
145	84	2.41e-03	-0.01	-0.27	7.99e-05	-2.18e-04	0.0
146	4	5.55e-04	-0.03	-0.37	1.61e-04	-3.14e-04	0.0
146	5	0.02	-5.34e-03	-0.36	2.01e-06	-2.76e-04	0.0
146	8	5.55e-04	-0.05	-0.36	2.49e-04	-3.09e-04	0.0
146	12	3.92e-04	-0.02	-0.28	9.29e-05	-2.34e-04	0.0
146	13	0.01	-4.24e-03	-0.27	-1.32e-05	-2.08e-04	0.0
146	16	3.93e-04	-0.03	-0.28	1.52e-04	-2.31e-04	0.0
146	17	3.55e-04	-4.40e-03	-0.27	-1.68e-05	-2.17e-04	0.0
146	21	3.08e-03	-4.26e-03	-0.26	-1.98e-05	-2.12e-04	0.0
146	24	3.54e-04	-9.90e-03	-0.26	1.32e-05	-2.16e-04	0.0
146	25	3.57e-04	-4.36e-03	-0.26	-1.96e-05	-2.14e-04	0.0
146	37	0.01	-9.28e-03	-0.27	3.99e-05	-1.96e-04	0.0
146	50	3.25e-03	-0.02	-0.28	1.90e-04	-2.19e-04	0.0

146	69	6.43e-03	-6.65e-03	-0.27	8.70e-06	-2.05e-04	0.0
146	76	-1.71e-03	-0.01	-0.27	8.04e-05	-2.23e-04	0.0
146	82	1.80e-03	-0.01	-0.27	7.99e-05	-2.16e-04	0.0
147	1	0.01	-5.52e-03	-0.37	1.42e-05	-2.92e-04	0.0
147	5	0.02	-5.34e-03	-0.36	3.26e-06	-2.74e-04	0.0
147	8	3.42e-04	-0.05	-0.36	2.50e-04	-3.07e-04	0.0
147	9	8.40e-03	-4.36e-03	-0.28	-4.97e-06	-2.19e-04	0.0
147	13	0.01	-4.24e-03	-0.28	-1.23e-05	-2.07e-04	0.0
147	16	2.49e-04	-0.03	-0.27	1.52e-04	-2.29e-04	0.0
147	17	3.20e-04	-4.40e-03	-0.27	-1.62e-05	-2.16e-04	0.0
147	21	3.04e-03	-4.26e-03	-0.26	-1.92e-05	-2.11e-04	0.0
147	24	2.98e-04	-9.90e-03	-0.26	1.37e-05	-2.15e-04	0.0
147	25	3.22e-04	-4.36e-03	-0.26	-1.91e-05	-2.13e-04	0.0
147	37	0.01	-9.28e-03	-0.27	4.05e-05	-1.95e-04	0.0
147	39	0.01	1.83e-04	-0.27	-8.17e-05	-1.87e-04	0.0
147	50	3.29e-03	-0.02	-0.26	1.90e-04	-2.17e-04	0.0
147	67	5.89e-03	-6.65e-03	-0.27	9.27e-06	-2.04e-04	0.0
147	71	6.37e-03	-2.15e-03	-0.27	-4.89e-05	-2.01e-04	0.0
147	76	-1.72e-03	-0.01	-0.26	8.07e-05	-2.22e-04	0.0
148	3	6.51e-04	0.02	-0.37	-1.36e-04	-2.93e-04	0.0
148	5	0.02	-5.35e-03	-0.36	6.31e-06	-2.71e-04	0.0
148	8	1.03e-04	-0.05	-0.35	2.52e-04	-3.04e-04	0.0
148	11	4.50e-04	9.82e-03	-0.28	-1.05e-04	-2.20e-04	0.0
148	13	0.01	-4.24e-03	-0.28	-1.00e-05	-2.05e-04	0.0
148	16	8.78e-05	-0.03	-0.27	1.54e-04	-2.27e-04	0.0
148	17	2.80e-04	-4.40e-03	-0.27	-1.45e-05	-2.14e-04	0.0
148	21	2.99e-03	-4.26e-03	-0.26	-1.75e-05	-2.09e-04	0.0
148	24	2.34e-04	-9.90e-03	-0.26	1.52e-05	-2.13e-04	0.0
148	25	2.82e-04	-4.36e-03	-0.26	-1.75e-05	-2.12e-04	0.0
148	38	0.01	1.29e-03	-0.27	-8.16e-05	-1.86e-04	0.0
148	39	0.01	1.82e-04	-0.27	-8.00e-05	-1.86e-04	0.0
148	50	3.31e-03	-0.02	-0.26	1.92e-04	-2.14e-04	0.0
148	70	6.18e-03	-1.62e-03	-0.27	-4.80e-05	-1.99e-04	0.0
148	71	6.36e-03	-2.15e-03	-0.27	-4.72e-05	-1.99e-04	0.0
148	76	-1.74e-03	-0.01	-0.26	8.23e-05	-2.20e-04	0.0
149	4	1.05e-03	-0.04	-0.48	2.14e-04	2.15e-04	0.0
149	5	0.02	-8.94e-03	-0.44	5.43e-05	2.25e-04	0.0
149	8	1.24e-03	-0.06	-0.47	3.03e-04	2.16e-04	0.0
149	12	7.28e-04	-0.03	-0.36	1.29e-04	1.62e-04	0.0
149	13	0.01	-6.78e-03	-0.33	2.21e-05	1.69e-04	0.0
149	16	8.60e-04	-0.04	-0.35	1.88e-04	1.63e-04	0.0
149	17	4.83e-04	-6.47e-03	-0.33	1.71e-05	1.50e-04	0.0
149	21	3.22e-03	-6.52e-03	-0.33	1.44e-05	1.52e-04	0.0
149	24	5.48e-04	-0.01	-0.33	4.75e-05	1.51e-04	0.0
149	25	4.84e-04	-6.43e-03	-0.33	1.42e-05	1.49e-04	0.0
149	37	0.01	-0.01	-0.33	7.68e-05	1.76e-04	0.0
149	43	-6.13e-04	-0.03	-0.36	2.23e-04	1.54e-04	0.0
149	45	-6.13e-04	-0.03	-0.36	2.23e-04	1.54e-04	0.0
149	69	6.61e-03	-9.37e-03	-0.33	4.40e-05	1.62e-04	0.0
149	77	-6.20e-05	-0.02	-0.34	1.14e-04	1.51e-04	0.0
149	85	3.44e-03	-0.02	-0.34	1.14e-04	1.58e-04	0.0
150	4	8.25e-04	-0.04	-0.47	2.14e-04	2.15e-04	0.0
150	5	0.02	-8.94e-03	-0.44	5.39e-05	2.25e-04	0.0
150	8	9.43e-04	-0.06	-0.47	3.03e-04	2.16e-04	0.0
150	12	5.76e-04	-0.03	-0.35	1.28e-04	1.62e-04	0.0
150	13	0.01	-6.78e-03	-0.33	2.18e-05	1.68e-04	0.0

150	16	6.55e-04	-0.04	-0.35	1.88e-04	1.62e-04	0.0
150	17	4.15e-04	-6.47e-03	-0.33	1.69e-05	1.50e-04	0.0
150	21	3.15e-03	-6.52e-03	-0.33	1.42e-05	1.52e-04	0.0
150	24	4.53e-04	-0.01	-0.33	4.73e-05	1.50e-04	0.0
150	25	4.16e-04	-6.43e-03	-0.33	1.40e-05	1.48e-04	0.0
150	37	0.01	-0.01	-0.32	7.66e-05	1.76e-04	0.0
150	43	-8.35e-04	-0.03	-0.35	2.23e-04	1.53e-04	0.0
150	45	-8.35e-04	-0.03	-0.35	2.23e-04	1.53e-04	0.0
150	69	6.53e-03	-9.37e-03	-0.33	4.38e-05	1.62e-04	0.0
150	75	-2.04e-04	-0.02	-0.34	1.14e-04	1.51e-04	0.0
150	85	3.30e-03	-0.02	-0.34	1.14e-04	1.58e-04	0.0
151	4	6.04e-04	-0.04	-0.47	2.13e-04	2.12e-04	0.0
151	5	0.02	-8.94e-03	-0.44	5.31e-05	2.23e-04	0.0
151	8	6.43e-04	-0.06	-0.46	3.02e-04	2.13e-04	0.0
151	12	4.23e-04	-0.03	-0.35	1.28e-04	1.60e-04	0.0
151	13	0.01	-6.78e-03	-0.33	2.12e-05	1.67e-04	0.0
151	16	4.50e-04	-0.04	-0.34	1.87e-04	1.60e-04	0.0
151	17	3.46e-04	-6.48e-03	-0.33	1.65e-05	1.48e-04	0.0
151	21	3.08e-03	-6.52e-03	-0.33	1.37e-05	1.50e-04	0.0
151	24	3.58e-04	-0.01	-0.33	4.68e-05	1.49e-04	0.0
151	25	3.48e-04	-6.43e-03	-0.33	1.36e-05	1.47e-04	0.0
151	41	0.01	1.81e-06	-0.31	-5.18e-05	1.67e-04	0.0
151	43	-4.73e-03	-0.03	-0.34	2.23e-04	1.51e-04	0.0
151	45	-4.73e-03	-0.03	-0.34	2.23e-04	1.51e-04	0.0
151	73	6.37e-03	-3.40e-03	-0.32	-1.76e-05	1.57e-04	0.0
151	75	-2.12e-03	-0.02	-0.34	1.13e-04	1.49e-04	0.0
151	85	1.40e-03	-0.02	-0.33	1.13e-04	1.56e-04	0.0
152	2	-0.01	-8.61e-03	-0.46	6.15e-05	1.88e-04	0.0
152	5	0.02	-8.94e-03	-0.44	5.06e-05	2.20e-04	0.0
152	8	3.44e-04	-0.06	-0.45	3.00e-04	2.09e-04	0.0
152	10	-7.74e-03	-6.55e-03	-0.35	2.67e-05	1.44e-04	0.0
152	13	0.01	-6.78e-03	-0.33	1.94e-05	1.65e-04	0.0
152	16	2.45e-04	-0.04	-0.34	1.86e-04	1.58e-04	0.0
152	17	2.78e-04	-6.48e-03	-0.33	1.49e-05	1.46e-04	0.0
152	21	3.00e-03	-6.52e-03	-0.33	1.20e-05	1.48e-04	0.0
152	24	2.64e-04	-0.01	-0.33	4.52e-05	1.46e-04	0.0
152	25	2.80e-04	-6.43e-03	-0.33	1.19e-05	1.44e-04	0.0
152	28	-0.01	-0.01	-0.34	7.79e-05	1.23e-04	0.0
152	41	0.01	1.44e-06	-0.32	-5.33e-05	1.65e-04	0.0
152	43	-4.91e-03	-0.03	-0.32	2.21e-04	1.49e-04	0.0
152	60	-5.58e-03	-8.98e-03	-0.33	4.33e-05	1.34e-04	0.0
152	73	6.32e-03	-3.40e-03	-0.32	-1.91e-05	1.54e-04	0.0
152	85	1.28e-03	-0.02	-0.32	1.11e-04	1.54e-04	0.0
153	3	5.29e-04	0.02	-0.46	-8.77e-05	1.87e-04	0.0
153	5	0.02	-8.94e-03	-0.43	5.39e-05	2.16e-04	0.0
153	8	-2.53e-04	-0.06	-0.43	3.03e-04	2.04e-04	0.0
153	11	3.55e-04	9.68e-03	-0.35	-7.24e-05	1.43e-04	0.0
153	13	0.01	-6.78e-03	-0.33	2.21e-05	1.62e-04	0.0
153	16	-1.63e-04	-0.04	-0.33	1.88e-04	1.54e-04	0.0
153	17	1.43e-04	-6.48e-03	-0.33	1.77e-05	1.43e-04	0.0
153	21	2.86e-03	-6.52e-03	-0.32	1.44e-05	1.45e-04	0.0
153	24	7.65e-05	-0.01	-0.32	4.76e-05	1.43e-04	0.0
153	25	1.46e-04	-6.43e-03	-0.33	1.45e-05	1.42e-04	0.0
153	33	-0.01	-4.29e-04	-0.34	-4.42e-05	1.14e-04	0.0
153	39	0.01	1.36e-06	-0.32	-5.09e-05	1.63e-04	0.0
153	43	-5.31e-03	-0.03	-0.32	2.23e-04	1.45e-04	0.0

153	65	-5.37e-03	-3.54e-03	-0.33	-1.34e-05	1.28e-04	0.0
153	71	6.25e-03	-3.40e-03	-0.32	-1.67e-05	1.52e-04	0.0
153	85	1.03e-03	-0.02	-0.32	1.13e-04	1.51e-04	0.0
154	4	8.48e-04	-0.03	-0.39	1.64e-04	-3.15e-04	0.0
154	5	0.02	-5.42e-03	-0.37	4.17e-06	-2.77e-04	0.0
154	8	9.74e-04	-0.05	-0.39	2.52e-04	-3.11e-04	0.0
154	12	5.90e-04	-0.02	-0.30	9.49e-05	-2.35e-04	0.0
154	13	0.01	-4.29e-03	-0.28	-1.16e-05	-2.09e-04	0.0
154	16	6.75e-04	-0.03	-0.29	1.54e-04	-2.32e-04	0.0
154	17	4.24e-04	-4.44e-03	-0.27	-1.51e-05	-2.18e-04	0.0
154	21	3.16e-03	-4.31e-03	-0.27	-1.81e-05	-2.12e-04	0.0
154	24	4.65e-04	-9.97e-03	-0.27	1.50e-05	-2.17e-04	0.0
154	25	4.26e-04	-4.40e-03	-0.27	-1.80e-05	-2.15e-04	0.0
154	37	0.01	-9.34e-03	-0.28	4.19e-05	-1.97e-04	0.0
154	50	4.51e-03	-0.02	-0.30	1.93e-04	-2.21e-04	0.0
154	69	6.50e-03	-6.71e-03	-0.28	1.05e-05	-2.06e-04	0.0
154	76	-1.07e-03	-0.01	-0.28	8.27e-05	-2.24e-04	0.0
154	82	2.44e-03	-0.01	-0.28	8.21e-05	-2.18e-04	0.0
155	4	7.01e-04	-0.03	-0.39	1.64e-04	-3.15e-04	0.0
155	5	0.02	-5.42e-03	-0.37	4.20e-06	-2.77e-04	0.0
155	8	7.65e-04	-0.05	-0.38	2.52e-04	-3.11e-04	0.0
155	12	4.91e-04	-0.02	-0.29	9.49e-05	-2.35e-04	0.0
155	13	0.01	-4.29e-03	-0.28	-1.16e-05	-2.09e-04	0.0
155	16	5.34e-04	-0.03	-0.29	1.54e-04	-2.32e-04	0.0
155	17	3.89e-04	-4.44e-03	-0.27	-1.52e-05	-2.18e-04	0.0
155	21	3.12e-03	-4.31e-03	-0.27	-1.82e-05	-2.12e-04	0.0
155	24	4.10e-04	-9.97e-03	-0.27	1.49e-05	-2.17e-04	0.0
155	25	3.91e-04	-4.40e-03	-0.27	-1.80e-05	-2.15e-04	0.0
155	37	0.01	-9.34e-03	-0.28	4.19e-05	-1.97e-04	0.0
155	50	4.49e-03	-0.02	-0.29	1.93e-04	-2.20e-04	0.0
155	69	6.46e-03	-6.71e-03	-0.28	1.05e-05	-2.06e-04	0.0
155	76	-1.10e-03	-0.01	-0.28	8.26e-05	-2.24e-04	0.0
155	82	2.41e-03	-0.01	-0.28	8.21e-05	-2.17e-04	0.0
156	4	5.54e-04	-0.03	-0.38	1.64e-04	-3.13e-04	0.0
156	5	0.02	-5.42e-03	-0.37	4.17e-06	-2.75e-04	0.0
156	8	5.55e-04	-0.05	-0.38	2.52e-04	-3.09e-04	0.0
156	12	3.92e-04	-0.02	-0.29	9.48e-05	-2.33e-04	0.0
156	13	0.01	-4.29e-03	-0.28	-1.16e-05	-2.08e-04	0.0
156	16	3.93e-04	-0.03	-0.29	1.54e-04	-2.30e-04	0.0
156	17	3.55e-04	-4.44e-03	-0.27	-1.53e-05	-2.16e-04	0.0
156	21	3.08e-03	-4.31e-03	-0.27	-1.83e-05	-2.11e-04	0.0
156	24	3.54e-04	-9.97e-03	-0.27	1.48e-05	-2.15e-04	0.0
156	25	3.57e-04	-4.40e-03	-0.27	-1.82e-05	-2.13e-04	0.0
156	37	0.01	-9.34e-03	-0.28	4.18e-05	-1.95e-04	0.0
156	50	3.25e-03	-0.02	-0.28	1.92e-04	-2.18e-04	0.0
156	69	6.43e-03	-6.71e-03	-0.28	1.03e-05	-2.04e-04	0.0
156	76	-1.71e-03	-0.01	-0.27	8.24e-05	-2.22e-04	0.0
156	82	1.80e-03	-0.01	-0.28	8.19e-05	-2.16e-04	0.0
157	4	0.02	-0.06	-0.51	2.36e-04	1.48e-04	5.52e-06
157	5	0.04	-0.02	-0.48	7.10e-05	1.47e-04	2.44e-06
157	8	0.02	-0.09	-0.50	3.26e-04	1.46e-04	7.89e-06
157	12	0.01	-0.04	-0.38	1.44e-04	1.12e-04	3.74e-06
157	13	0.03	-9.96e-03	-0.37	3.44e-05	1.12e-04	1.71e-06
157	16	0.01	-0.06	-0.38	2.04e-04	1.11e-04	5.33e-06
157	17	0.01	-9.21e-03	-0.36	2.94e-05	9.92e-05	1.32e-06
157	21	0.01	-8.88e-03	-0.36	2.63e-05	9.94e-05	1.48e-06

157	24	0.01	-0.02	-0.36	6.02e-05	9.91e-05	2.10e-06
157	25	0.01	-8.81e-03	-0.36	2.62e-05	9.73e-05	1.32e-06
157	37	0.03	-0.02	-0.36	9.15e-05	1.21e-04	3.85e-06
157	43	8.99e-03	-0.05	-0.37	2.43e-04	1.02e-04	1.11e-05
157	45	8.99e-03	-0.05	-0.37	2.43e-04	1.02e-04	1.11e-05
157	69	0.02	-0.02	-0.36	5.73e-05	1.09e-04	2.62e-06
157	75	9.94e-03	-0.03	-0.36	1.30e-04	9.97e-05	6.05e-06
157	85	0.01	-0.03	-0.36	1.30e-04	1.06e-04	6.06e-06
158	4	0.02	-0.06	-0.51	2.36e-04	1.48e-04	5.54e-06
158	5	0.04	-0.02	-0.47	7.10e-05	1.47e-04	2.57e-06
158	8	0.02	-0.09	-0.50	3.26e-04	1.46e-04	7.79e-06
158	12	0.01	-0.04	-0.38	1.44e-04	1.12e-04	3.78e-06
158	13	0.03	-0.01	-0.36	3.43e-05	1.12e-04	1.81e-06
158	16	0.01	-0.06	-0.37	2.04e-04	1.11e-04	5.28e-06
158	17	0.01	-9.30e-03	-0.35	2.94e-05	9.92e-05	1.44e-06
158	21	0.01	-8.98e-03	-0.35	2.63e-05	9.94e-05	1.59e-06
158	24	0.01	-0.02	-0.35	6.02e-05	9.91e-05	2.19e-06
158	25	0.01	-8.90e-03	-0.35	2.62e-05	9.73e-05	1.44e-06
158	37	0.03	-0.02	-0.35	9.15e-05	1.21e-04	4.02e-06
158	43	9.31e-03	-0.05	-0.37	2.43e-04	1.02e-04	1.06e-05
158	44	7.84e-03	-0.05	-0.37	2.46e-04	1.00e-04	5.98e-06
158	69	0.02	-0.02	-0.35	5.73e-05	1.09e-04	2.76e-06
158	75	0.01	-0.03	-0.36	1.30e-04	9.97e-05	5.88e-06
158	85	0.01	-0.03	-0.36	1.30e-04	1.06e-04	5.94e-06
159	2	2.66e-03	-0.02	-0.49	8.27e-05	1.32e-04	1.80e-06
159	5	0.04	-0.02	-0.47	7.10e-05	1.48e-04	2.57e-06
159	8	0.02	-0.09	-0.47	3.26e-04	1.46e-04	7.78e-06
159	10	3.29e-03	-0.01	-0.37	4.21e-05	1.02e-04	1.28e-06
159	13	0.03	-0.01	-0.35	3.43e-05	1.12e-04	1.81e-06
159	16	0.01	-0.06	-0.36	2.04e-04	1.11e-04	5.27e-06
159	17	0.01	-9.30e-03	-0.35	2.94e-05	9.92e-05	1.44e-06
159	21	0.01	-8.98e-03	-0.35	2.63e-05	9.94e-05	1.59e-06
159	24	0.01	-0.02	-0.35	6.02e-05	9.91e-05	2.19e-06
159	25	0.01	-8.90e-03	-0.35	2.62e-05	9.73e-05	1.44e-06
159	28	-3.41e-03	-0.02	-0.36	9.21e-05	8.00e-05	2.99e-06
159	37	0.03	-0.02	-0.34	9.15e-05	1.21e-04	4.06e-06
159	43	8.69e-03	-0.05	-0.34	2.43e-04	1.02e-04	1.06e-05
159	60	3.88e-03	-0.01	-0.35	5.75e-05	8.89e-05	2.16e-06
159	69	0.02	-0.02	-0.34	5.73e-05	1.09e-04	2.78e-06
159	85	0.01	-0.03	-0.34	1.30e-04	1.06e-04	5.94e-06
160	4	0.02	-0.06	-0.51	2.36e-04	1.48e-04	5.48e-06
160	5	0.04	-0.02	-0.49	7.10e-05	1.48e-04	2.55e-06
160	8	0.02	-0.09	-0.49	3.26e-04	1.46e-04	7.71e-06
160	12	0.01	-0.04	-0.38	1.44e-04	1.12e-04	3.74e-06
160	13	0.03	-9.85e-03	-0.37	3.44e-05	1.12e-04	1.79e-06
160	16	0.01	-0.06	-0.37	2.04e-04	1.11e-04	5.22e-06
160	17	0.01	-9.12e-03	-0.36	2.94e-05	9.92e-05	1.43e-06
160	21	0.01	-8.78e-03	-0.36	2.63e-05	9.94e-05	1.58e-06
160	24	0.01	-0.02	-0.36	6.02e-05	9.91e-05	2.17e-06
160	25	0.01	-8.73e-03	-0.36	2.62e-05	9.73e-05	1.43e-06
160	37	0.03	-0.02	-0.35	9.15e-05	1.21e-04	4.11e-06
160	43	8.69e-03	-0.05	-0.36	2.43e-04	1.02e-04	1.07e-05
160	44	7.53e-03	-0.05	-0.37	2.46e-04	1.00e-04	6.01e-06
160	69	0.02	-0.01	-0.36	5.73e-05	1.09e-04	2.80e-06
160	76	9.20e-03	-0.03	-0.36	1.31e-04	9.87e-05	3.62e-06
160	85	0.01	-0.03	-0.36	1.30e-04	1.06e-04	5.98e-06

161	4	0.02	-0.06	-0.53	2.36e-04	1.48e-04	5.48e-06
161	5	0.04	-0.02	-0.49	7.10e-05	1.47e-04	2.55e-06
161	8	0.02	-0.09	-0.52	3.26e-04	1.46e-04	7.70e-06
161	12	0.01	-0.04	-0.39	1.44e-04	1.12e-04	3.74e-06
161	13	0.03	-9.85e-03	-0.37	3.44e-05	1.12e-04	1.79e-06
161	16	0.01	-0.06	-0.39	2.04e-04	1.11e-04	5.22e-06
161	17	0.01	-9.12e-03	-0.37	2.94e-05	9.92e-05	1.43e-06
161	21	0.01	-8.78e-03	-0.36	2.63e-05	9.94e-05	1.58e-06
161	24	0.01	-0.02	-0.37	6.02e-05	9.91e-05	2.17e-06
161	25	0.01	-8.73e-03	-0.36	2.62e-05	9.73e-05	1.43e-06
161	37	0.03	-0.02	-0.36	9.15e-05	1.21e-04	4.07e-06
161	43	9.31e-03	-0.05	-0.39	2.43e-04	1.02e-04	1.07e-05
161	44	7.84e-03	-0.05	-0.39	2.46e-04	1.00e-04	6.02e-06
161	69	0.02	-0.01	-0.36	5.73e-05	1.09e-04	2.78e-06
161	74	9.41e-03	-0.03	-0.37	1.31e-04	9.87e-05	3.62e-06
161	85	0.01	-0.03	-0.37	1.30e-04	1.06e-04	5.97e-06
162	4	8.46e-04	-0.04	-0.53	2.42e-04	1.09e-04	7.15e-06
162	5	0.02	-7.84e-03	-0.49	7.68e-05	1.05e-04	3.70e-06
162	8	9.66e-04	-0.05	-0.52	3.33e-04	1.07e-04	9.68e-06
162	12	5.90e-04	-0.02	-0.39	1.49e-04	8.39e-05	4.93e-06
162	13	0.01	-5.99e-03	-0.37	3.86e-05	8.15e-05	2.64e-06
162	16	6.71e-04	-0.04	-0.39	2.10e-04	8.25e-05	6.62e-06
162	17	4.27e-04	-5.82e-03	-0.37	3.34e-05	7.04e-05	2.22e-06
162	21	3.16e-03	-5.82e-03	-0.36	3.03e-05	7.01e-05	2.37e-06
162	24	4.66e-04	-0.01	-0.37	6.45e-05	7.02e-05	3.07e-06
162	25	4.28e-04	-5.77e-03	-0.36	3.02e-05	6.84e-05	2.21e-06
162	37	0.01	-0.01	-0.36	9.62e-05	8.97e-05	4.69e-06
162	43	-8.32e-04	-0.03	-0.39	2.49e-04	7.46e-05	1.17e-05
162	44	-4.02e-03	-0.02	-0.39	2.52e-04	7.30e-05	6.42e-06
162	69	6.54e-03	-8.53e-03	-0.36	6.17e-05	7.88e-05	3.49e-06
162	76	-1.73e-03	-0.01	-0.37	1.36e-04	7.05e-05	4.22e-06
162	85	3.31e-03	-0.02	-0.37	1.35e-04	7.66e-05	6.82e-06
163	3	5.12e-04	0.02	-0.46	-7.84e-05	1.90e-04	0.0
163	5	0.02	-9.07e-03	-0.42	6.09e-05	2.18e-04	0.0
163	8	-7.57e-04	-0.06	-0.41	3.10e-04	2.06e-04	0.0
163	11	3.35e-04	9.66e-03	-0.35	-6.55e-05	1.45e-04	0.0
163	13	0.01	-6.88e-03	-0.32	2.74e-05	1.64e-04	0.0
163	16	-5.07e-04	-0.04	-0.31	1.93e-04	1.56e-04	0.0
163	21	2.74e-03	-6.61e-03	-0.32	1.98e-05	1.47e-04	0.0
163	23	1.42e-04	-1.04e-03	-0.32	-1.42e-05	1.42e-04	0.0
163	24	-7.98e-05	-0.01	-0.32	5.29e-05	1.45e-04	0.0
163	25	3.50e-05	-6.51e-03	-0.32	2.00e-05	1.44e-04	0.0
163	39	0.01	-8.72e-06	-0.31	-4.58e-05	1.64e-04	0.0
163	43	-5.69e-03	-0.03	-0.31	2.28e-04	1.47e-04	0.0
163	49	-1.41e-03	0.01	-0.34	-1.86e-04	1.26e-04	0.0
163	71	6.19e-03	-3.45e-03	-0.32	-1.14e-05	1.54e-04	0.0
163	81	-6.82e-04	3.52e-03	-0.33	-7.81e-05	1.35e-04	0.0
163	85	7.91e-04	-0.02	-0.31	1.18e-04	1.52e-04	0.0
164	3	6.79e-04	0.02	-0.38	-1.23e-04	-2.92e-04	0.0
164	5	0.02	-5.34e-03	-0.36	1.87e-05	-2.70e-04	0.0
164	8	-4.51e-04	-0.05	-0.33	2.62e-04	-3.01e-04	0.0
164	11	4.65e-04	9.82e-03	-0.29	-9.54e-05	-2.19e-04	0.0
164	13	0.01	-4.23e-03	-0.28	0.0	-2.05e-04	0.0
164	16	-2.86e-04	-0.03	-0.26	1.61e-04	-2.25e-04	0.0
164	21	2.89e-03	-4.26e-03	-0.27	-9.58e-06	-2.08e-04	0.0
164	23	2.83e-04	4.42e-04	-0.27	-4.38e-05	-2.09e-04	0.0

164	24	8.52e-05	-9.90e-03	-0.26	2.29e-05	-2.12e-04	0.0
164	25	1.87e-04	-4.36e-03	-0.26	-9.72e-06	-2.11e-04	0.0
164	39	0.01	1.84e-04	-0.28	-6.90e-05	-1.85e-04	0.0
164	50	3.26e-03	-0.02	-0.25	2.00e-04	-2.12e-04	0.0
164	54	4.42e-03	0.01	-0.29	-2.18e-04	-1.95e-04	0.0
164	71	6.34e-03	-2.15e-03	-0.27	-3.79e-05	-1.98e-04	0.0
164	76	-1.83e-03	-0.01	-0.25	8.96e-05	-2.18e-04	0.0
164	86	2.24e-03	4.95e-03	-0.27	-1.09e-04	-2.03e-04	0.0
165	3	5.13e-04	0.02	-0.47	-7.90e-05	1.83e-04	0.0
165	5	0.02	-8.80e-03	-0.44	6.20e-05	2.09e-04	0.0
165	8	-7.56e-04	-0.06	-0.42	3.11e-04	1.98e-04	0.0
165	11	3.37e-04	9.69e-03	-0.36	-6.59e-05	1.39e-04	0.0
165	13	0.01	-6.68e-03	-0.33	2.80e-05	1.57e-04	0.0
165	16	-5.07e-04	-0.04	-0.32	1.94e-04	1.50e-04	0.0
165	21	2.74e-03	-6.44e-03	-0.33	2.01e-05	1.41e-04	0.0
165	23	1.43e-04	-9.24e-04	-0.33	-1.42e-05	1.36e-04	0.0
165	24	-7.88e-05	-0.01	-0.33	5.33e-05	1.40e-04	0.0
165	25	3.59e-05	-6.35e-03	-0.33	2.03e-05	1.38e-04	0.0
165	39	0.01	1.38e-05	-0.33	-4.58e-05	1.58e-04	0.0
165	43	-5.69e-03	-0.03	-0.32	2.30e-04	1.42e-04	0.0
165	49	-1.41e-03	0.01	-0.35	-1.87e-04	1.20e-04	0.0
165	71	6.20e-03	-3.35e-03	-0.33	-1.12e-05	1.48e-04	0.0
165	81	-6.81e-04	3.50e-03	-0.34	-7.86e-05	1.29e-04	0.0
165	85	7.92e-04	-0.02	-0.32	1.19e-04	1.47e-04	0.0
166	3	5.16e-04	0.02	-0.48	-8.00e-05	1.71e-04	0.0
166	5	0.02	-8.56e-03	-0.45	6.26e-05	1.94e-04	0.0
166	8	-7.50e-04	-0.06	-0.43	3.13e-04	1.85e-04	0.0
166	11	3.38e-04	9.72e-03	-0.37	-6.67e-05	1.31e-04	0.0
166	13	0.01	-6.51e-03	-0.34	2.84e-05	1.46e-04	0.0
166	16	-5.02e-04	-0.04	-0.33	1.95e-04	1.40e-04	0.0
166	17	3.52e-05	-6.25e-03	-0.34	2.39e-05	1.30e-04	0.0
166	21	2.74e-03	-6.28e-03	-0.34	2.05e-05	1.32e-04	0.0
166	24	-7.60e-05	-0.01	-0.33	5.38e-05	1.30e-04	0.0
166	25	3.85e-05	-6.21e-03	-0.34	2.06e-05	1.29e-04	0.0
166	39	0.01	3.70e-05	-0.34	-4.58e-05	1.48e-04	0.0
166	43	-5.69e-03	-0.03	-0.32	2.32e-04	1.33e-04	0.0
166	49	-1.41e-03	0.01	-0.36	-1.89e-04	1.11e-04	0.0
166	71	6.20e-03	-3.26e-03	-0.34	-1.11e-05	1.38e-04	0.0
166	81	-6.79e-04	3.49e-03	-0.35	-7.93e-05	1.20e-04	0.0
166	85	7.95e-04	-0.02	-0.33	1.20e-04	1.37e-04	0.0
167	3	5.18e-04	0.02	-0.49	-8.05e-05	1.55e-04	0.0
167	5	0.02	-8.33e-03	-0.46	6.36e-05	1.74e-04	0.0
167	8	-7.39e-04	-0.06	-0.44	3.16e-04	1.66e-04	0.0
167	11	3.41e-04	9.75e-03	-0.37	-6.70e-05	1.19e-04	0.0
167	13	0.01	-6.34e-03	-0.35	2.91e-05	1.31e-04	0.0
167	16	-4.95e-04	-0.04	-0.34	1.97e-04	1.26e-04	0.0
167	17	3.91e-05	-6.11e-03	-0.35	2.46e-05	1.17e-04	0.0
167	21	2.75e-03	-6.13e-03	-0.34	2.11e-05	1.17e-04	0.0
167	24	-7.14e-05	-0.01	-0.34	5.47e-05	1.16e-04	0.0
167	25	4.23e-05	-6.07e-03	-0.35	2.12e-05	1.15e-04	0.0
167	39	0.01	6.15e-05	-0.34	-4.57e-05	1.33e-04	0.0
167	43	-5.69e-03	-0.03	-0.33	2.35e-04	1.19e-04	0.0
167	49	-1.41e-03	0.01	-0.36	-1.91e-04	9.80e-05	0.0
167	71	6.20e-03	-3.17e-03	-0.34	-1.07e-05	1.24e-04	0.0
167	81	-6.77e-04	3.48e-03	-0.35	-7.98e-05	1.07e-04	0.0
167	85	8.00e-04	-0.02	-0.34	1.22e-04	1.23e-04	0.0

168	3	5.22e-04	0.02	-0.50	-8.13e-05	1.32e-04	0.0
168	5	0.02	-8.10e-03	-0.47	6.45e-05	1.46e-04	0.0
168	8	-7.26e-04	-0.06	-0.45	3.19e-04	1.40e-04	0.0
168	11	3.43e-04	9.78e-03	-0.38	-6.74e-05	1.02e-04	0.0
168	13	0.01	-6.18e-03	-0.36	2.97e-05	1.11e-04	0.0
168	16	-4.85e-04	-0.04	-0.35	1.99e-04	1.07e-04	0.0
168	17	4.39e-05	-5.97e-03	-0.36	2.52e-05	9.84e-05	0.0
168	21	2.75e-03	-5.99e-03	-0.35	2.18e-05	9.87e-05	0.0
168	24	-6.57e-05	-0.01	-0.35	5.56e-05	9.78e-05	0.0
168	25	4.71e-05	-5.93e-03	-0.35	2.18e-05	9.65e-05	0.0
168	39	0.01	8.67e-05	-0.35	-4.58e-05	1.13e-04	0.0
168	43	-5.68e-03	-0.03	-0.34	2.39e-04	1.01e-04	0.0
168	49	-1.40e-03	0.01	-0.37	-1.93e-04	8.06e-05	0.0
168	71	6.21e-03	-3.08e-03	-0.35	-1.04e-05	1.05e-04	0.0
168	81	-6.73e-04	3.48e-03	-0.36	-8.06e-05	8.88e-05	0.0
168	85	8.07e-04	-0.02	-0.34	1.24e-04	1.04e-04	0.0
169	3	5.26e-04	0.02	-0.51	-8.27e-05	1.04e-04	0.0
169	5	0.02	-7.87e-03	-0.48	6.48e-05	1.13e-04	0.0
169	8	-7.10e-04	-0.05	-0.46	3.21e-04	1.08e-04	0.0
169	11	3.47e-04	9.81e-03	-0.38	-6.83e-05	8.05e-05	0.0
169	13	0.01	-6.02e-03	-0.36	3.00e-05	8.70e-05	0.0
169	16	-4.74e-04	-0.04	-0.35	2.01e-04	8.34e-05	0.0
169	17	4.96e-05	-5.84e-03	-0.36	2.54e-05	7.57e-05	0.0
169	21	2.76e-03	-5.84e-03	-0.36	2.19e-05	7.56e-05	0.0
169	24	-5.91e-05	-0.01	-0.35	5.61e-05	7.47e-05	0.0
169	25	5.27e-05	-5.79e-03	-0.36	2.20e-05	7.38e-05	0.0
169	39	0.01	1.12e-04	-0.36	-4.64e-05	8.87e-05	0.0
169	43	-5.67e-03	-0.03	-0.34	2.42e-04	7.80e-05	0.0
169	49	-1.40e-03	0.01	-0.37	-1.96e-04	5.89e-05	0.0
169	71	6.22e-03	-3.00e-03	-0.36	-1.05e-05	8.11e-05	0.0
169	81	-6.70e-04	3.48e-03	-0.36	-8.19e-05	6.66e-05	0.0
169	85	8.14e-04	-0.02	-0.35	1.26e-04	8.11e-05	0.0
170	3	5.31e-04	0.02	-0.51	-8.53e-05	6.93e-05	0.0
170	5	0.02	-7.66e-03	-0.49	6.38e-05	7.53e-05	0.0
170	8	-6.94e-04	-0.05	-0.47	3.23e-04	7.01e-05	0.0
170	11	3.51e-04	9.83e-03	-0.39	-7.00e-05	5.51e-05	0.0
170	13	0.01	-5.86e-03	-0.37	2.95e-05	5.91e-05	0.0
170	16	-4.63e-04	-0.04	-0.36	2.02e-04	5.56e-05	0.0
170	17	5.60e-05	-5.71e-03	-0.36	2.47e-05	4.96e-05	0.0
170	21	2.76e-03	-5.70e-03	-0.36	2.12e-05	4.92e-05	0.0
170	24	-5.18e-05	-0.01	-0.36	5.57e-05	4.84e-05	0.0
170	25	5.90e-05	-5.66e-03	-0.36	2.13e-05	4.77e-05	0.0
170	39	0.01	1.36e-04	-0.36	-4.78e-05	6.06e-05	0.0
170	43	-5.66e-03	-0.02	-0.35	2.44e-04	5.23e-05	0.0
170	49	-1.40e-03	0.01	-0.38	-2.00e-04	3.38e-05	0.0
170	71	6.22e-03	-2.91e-03	-0.36	-1.16e-05	5.40e-05	0.0
170	81	-6.65e-04	3.48e-03	-0.37	-8.40e-05	4.10e-05	0.0
170	85	8.22e-04	-0.01	-0.35	1.27e-04	5.46e-05	0.0
171	3	5.39e-04	0.02	-0.52	-8.86e-05	3.06e-05	0.0
171	5	0.02	-7.44e-03	-0.49	6.19e-05	3.45e-05	0.0
171	8	-6.78e-04	-0.05	-0.47	3.23e-04	3.00e-05	0.0
171	11	3.57e-04	9.86e-03	-0.39	-7.21e-05	2.63e-05	0.0
171	13	0.01	-5.71e-03	-0.37	2.82e-05	2.90e-05	0.0
171	16	-4.52e-04	-0.04	-0.36	2.02e-04	2.60e-05	0.0
171	17	6.34e-05	-5.58e-03	-0.37	2.33e-05	2.15e-05	0.0
171	21	2.77e-03	-5.57e-03	-0.36	1.97e-05	2.11e-05	0.0

171	24	-4.37e-05	-0.01	-0.36	5.44e-05	2.05e-05	0.0
171	25	6.63e-05	-5.54e-03	-0.36	1.97e-05	2.00e-05	0.0
171	39	0.01	1.54e-04	-0.36	-4.74e-05	3.08e-05	0.0
171	49	-1.40e-03	0.01	-0.38	-2.05e-04	7.35e-06	0.0
171	53	1.57e-03	-0.02	-0.35	2.44e-04	3.28e-05	0.0
171	71	6.23e-03	-2.83e-03	-0.36	-1.22e-05	2.53e-05	0.0
171	80	-1.42e-03	2.99e-03	-0.37	-8.83e-05	2.08e-05	0.0
171	85	8.31e-04	-0.01	-0.35	1.27e-04	2.62e-05	0.0
172	3	5.48e-04	0.02	-0.52	-9.23e-05	-5.60e-06	0.0
172	5	0.02	-7.27e-03	-0.49	5.92e-05	-1.63e-06	0.0
172	8	-6.63e-04	-0.05	-0.47	3.21e-04	-4.42e-06	0.0
172	11	3.64e-04	9.88e-03	-0.39	-7.45e-05	0.0	0.0
172	13	0.01	-5.59e-03	-0.37	2.65e-05	2.21e-06	0.0
172	16	-4.40e-04	-0.04	-0.36	2.01e-04	0.0	0.0
172	17	7.18e-05	-5.48e-03	-0.37	2.13e-05	-3.18e-06	0.0
172	21	2.78e-03	-5.46e-03	-0.36	1.78e-05	-3.33e-06	0.0
172	24	-3.49e-05	-0.01	-0.36	5.26e-05	-3.76e-06	0.0
172	25	7.46e-05	-5.44e-03	-0.36	1.78e-05	-4.16e-06	0.0
172	39	0.01	1.63e-04	-0.37	-4.95e-05	4.89e-06	0.0
172	48	-2.85e-03	0.01	-0.38	-2.09e-04	-2.75e-06	0.0
172	53	1.58e-03	-0.02	-0.35	2.43e-04	7.16e-06	0.0
172	71	6.24e-03	-2.77e-03	-0.36	-1.42e-05	0.0	0.0
172	80	-1.41e-03	3.15e-03	-0.37	-9.07e-05	-3.56e-06	0.0
172	85	8.41e-04	-0.01	-0.36	1.25e-04	1.35e-06	0.0
173	3	5.68e-04	0.02	-0.52	-9.86e-05	-5.12e-05	0.0
173	5	0.02	-7.05e-03	-0.49	5.40e-05	-4.69e-05	0.0
173	8	-6.35e-04	-0.05	-0.47	3.17e-04	-4.79e-05	0.0
173	11	3.79e-04	9.89e-03	-0.39	-7.87e-05	-3.44e-05	0.0
173	13	0.01	-5.43e-03	-0.37	2.30e-05	-3.15e-05	0.0
173	16	-4.20e-04	-0.04	-0.36	1.98e-04	-3.22e-05	0.0
173	17	8.79e-05	-5.35e-03	-0.37	1.79e-05	-3.43e-05	0.0
173	21	2.79e-03	-5.32e-03	-0.36	1.44e-05	-3.41e-05	0.0
173	24	-1.82e-05	-0.01	-0.36	4.94e-05	-3.42e-05	0.0
173	25	9.05e-05	-5.31e-03	-0.36	1.44e-05	-3.46e-05	0.0
173	39	0.01	1.63e-04	-0.37	-5.34e-05	-2.76e-05	0.0
173	53	1.60e-03	-0.02	-0.35	2.41e-04	-2.46e-05	0.0
173	56	4.31e-03	0.01	-0.38	-2.15e-04	-2.78e-05	0.0
173	71	6.25e-03	-2.70e-03	-0.36	-1.78e-05	-3.11e-05	0.0
173	85	8.59e-04	-0.01	-0.35	1.23e-04	-2.97e-05	0.0
173	88	2.14e-03	3.33e-03	-0.37	-9.51e-05	-3.13e-05	0.0
174	3	5.88e-04	0.02	-0.51	-1.04e-04	-8.59e-05	0.0
174	5	0.02	-6.86e-03	-0.48	4.92e-05	-8.18e-05	0.0
174	8	-6.06e-04	-0.05	-0.46	3.12e-04	-8.37e-05	0.0
174	11	3.95e-04	9.90e-03	-0.39	-8.22e-05	-6.06e-05	0.0
174	13	0.01	-5.30e-03	-0.37	1.98e-05	-5.79e-05	0.0
174	16	-3.99e-04	-0.04	-0.36	1.95e-04	-5.91e-05	0.0
174	17	1.05e-04	-5.24e-03	-0.36	1.48e-05	-5.93e-05	0.0
174	21	2.81e-03	-5.20e-03	-0.36	1.14e-05	-5.87e-05	0.0
174	24	0.0	-0.01	-0.36	4.64e-05	-5.90e-05	0.0
174	25	1.07e-04	-5.20e-03	-0.36	1.14e-05	-5.91e-05	0.0
174	39	0.01	1.43e-04	-0.36	-5.62e-05	-5.31e-05	0.0
174	50	3.19e-03	-0.02	-0.34	2.42e-04	-6.05e-05	0.0
174	56	4.33e-03	0.01	-0.37	-2.19e-04	-5.28e-05	0.0
174	71	6.27e-03	-2.65e-03	-0.36	-2.08e-05	-5.61e-05	0.0
174	84	1.63e-03	-0.01	-0.35	1.21e-04	-5.98e-05	0.0
174	88	2.16e-03	3.49e-03	-0.37	-9.82e-05	-5.60e-05	0.0

175	3	6.08e-04	0.02	-0.51	-1.08e-04	-1.17e-04	0.0
175	5	0.02	-6.69e-03	-0.48	4.49e-05	-1.13e-04	0.0
175	8	-5.76e-04	-0.05	-0.46	3.07e-04	-1.17e-04	0.0
175	11	4.10e-04	9.91e-03	-0.38	-8.50e-05	-8.47e-05	0.0
175	13	0.01	-5.18e-03	-0.36	1.69e-05	-8.18e-05	0.0
175	16	-3.77e-04	-0.03	-0.35	1.92e-04	-8.45e-05	0.0
175	17	1.22e-04	-5.14e-03	-0.36	1.20e-05	-8.27e-05	0.0
175	21	2.82e-03	-5.09e-03	-0.35	8.53e-06	-8.16e-05	0.0
175	24	1.67e-05	-0.01	-0.35	4.35e-05	-8.22e-05	0.0
175	25	1.24e-04	-5.10e-03	-0.35	8.56e-06	-8.20e-05	0.0
175	39	0.01	8.12e-04	-0.36	-6.12e-05	-7.59e-05	0.0
175	44	-4.03e-03	-0.02	-0.34	2.40e-04	-8.86e-05	0.0
175	54	4.35e-03	0.01	-0.37	-2.22e-04	-7.53e-05	0.0
175	71	6.29e-03	-2.27e-03	-0.36	-2.47e-05	-7.90e-05	0.0
175	76	-1.89e-03	-0.01	-0.35	1.19e-04	-8.52e-05	0.0
175	86	2.18e-03	3.75e-03	-0.36	-1.01e-04	-7.88e-05	0.0
176	3	6.29e-04	0.02	-0.50	-1.11e-04	-1.48e-04	0.0
176	5	0.02	-6.52e-03	-0.47	4.10e-05	-1.42e-04	0.0
176	8	-5.47e-04	-0.05	-0.45	3.03e-04	-1.49e-04	0.0
176	11	4.26e-04	9.91e-03	-0.38	-8.73e-05	-1.08e-04	0.0
176	13	0.01	-5.06e-03	-0.36	1.43e-05	-1.04e-04	0.0
176	16	-3.55e-04	-0.03	-0.35	1.89e-04	-1.09e-04	0.0
176	17	1.38e-04	-5.04e-03	-0.35	9.33e-06	-1.05e-04	0.0
176	21	2.84e-03	-4.98e-03	-0.35	5.84e-06	-1.03e-04	0.0
176	24	3.42e-05	-0.01	-0.35	4.08e-05	-1.04e-04	0.0
176	25	1.40e-04	-5.00e-03	-0.35	5.88e-06	-1.04e-04	0.0
176	39	0.01	5.09e-04	-0.35	-6.36e-05	-9.26e-05	0.0
176	44	-4.02e-03	-0.02	-0.33	2.37e-04	-1.11e-04	0.0
176	54	4.37e-03	0.01	-0.37	-2.24e-04	-9.62e-05	0.0
176	71	6.30e-03	-2.36e-03	-0.35	-2.72e-05	-9.83e-05	0.0
176	76	-1.88e-03	-0.01	-0.34	1.16e-04	-1.07e-04	0.0
176	86	2.19e-03	3.86e-03	-0.36	-1.04e-04	-1.00e-04	0.0
177	3	6.79e-04	0.02	-0.39	-1.23e-04	-2.90e-04	0.0
177	5	0.02	-5.42e-03	-0.37	1.89e-05	-2.69e-04	0.0
177	8	-4.51e-04	-0.05	-0.34	2.63e-04	-2.99e-04	0.0
177	11	4.64e-04	9.83e-03	-0.30	-9.56e-05	-2.17e-04	0.0
177	13	0.01	-4.29e-03	-0.28	0.0	-2.03e-04	0.0
177	16	-2.86e-04	-0.03	-0.26	1.62e-04	-2.23e-04	0.0
177	21	2.89e-03	-4.31e-03	-0.27	-9.40e-06	-2.06e-04	0.0
177	23	2.82e-04	4.16e-04	-0.28	-4.37e-05	-2.07e-04	0.0
177	24	8.51e-05	-9.97e-03	-0.27	2.32e-05	-2.11e-04	0.0
177	25	1.87e-04	-4.40e-03	-0.27	-9.51e-06	-2.09e-04	0.0
177	39	0.01	1.88e-04	-0.29	-6.93e-05	-1.84e-04	0.0
177	50	3.26e-03	-0.02	-0.26	2.01e-04	-2.10e-04	0.0
177	54	4.42e-03	0.01	-0.29	-2.19e-04	-1.94e-04	0.0
177	71	6.34e-03	-2.17e-03	-0.28	-3.79e-05	-1.97e-04	0.0
177	76	-1.83e-03	-0.01	-0.26	9.03e-05	-2.16e-04	0.0
177	86	2.24e-03	4.87e-03	-0.28	-1.09e-04	-2.02e-04	0.0
178	3	6.52e-04	0.02	-0.48	-1.15e-04	-1.90e-04	0.0
178	5	0.02	-6.29e-03	-0.46	3.63e-05	-1.79e-04	0.0
178	8	-5.14e-04	-0.05	-0.44	2.96e-04	-1.89e-04	0.0
178	11	4.43e-04	9.91e-03	-0.37	-8.96e-05	-1.40e-04	0.0
178	13	0.01	-4.90e-03	-0.35	1.11e-05	-1.32e-04	0.0
178	16	-3.31e-04	-0.03	-0.34	1.85e-04	-1.40e-04	0.0
178	17	1.57e-04	-4.91e-03	-0.34	6.04e-06	-1.34e-04	0.0
178	21	2.86e-03	-4.84e-03	-0.34	2.51e-06	-1.31e-04	0.0

178	24	5.40e-05	-0.01	-0.34	3.72e-05	-1.33e-04	0.0
178	25	1.59e-04	-4.87e-03	-0.34	2.54e-06	-1.32e-04	0.0
178	39	0.01	3.46e-04	-0.35	-6.59e-05	-1.18e-04	0.0
178	44	-4.00e-03	-0.02	-0.32	2.31e-04	-1.40e-04	0.0
178	54	4.39e-03	0.01	-0.36	-2.25e-04	-1.24e-04	0.0
178	71	6.32e-03	-2.37e-03	-0.34	-3.01e-05	-1.25e-04	0.0
178	76	-1.86e-03	-0.01	-0.33	1.11e-04	-1.36e-04	0.0
178	86	2.21e-03	4.04e-03	-0.35	-1.06e-04	-1.28e-04	0.0
179	3	6.59e-04	0.02	-0.48	-1.17e-04	-2.09e-04	0.0
179	5	0.02	-6.19e-03	-0.45	3.38e-05	-1.95e-04	0.0
179	8	-5.04e-04	-0.05	-0.43	2.92e-04	-2.08e-04	0.0
179	11	4.48e-04	9.91e-03	-0.36	-9.08e-05	-1.54e-04	0.0
179	13	0.01	-4.83e-03	-0.34	9.40e-06	-1.45e-04	0.0
179	16	-3.23e-04	-0.03	-0.33	1.82e-04	-1.53e-04	0.0
179	17	1.63e-04	-4.85e-03	-0.34	4.32e-06	-1.47e-04	0.0
179	21	2.87e-03	-4.78e-03	-0.33	0.0	-1.44e-04	0.0
179	24	6.01e-05	-0.01	-0.33	3.53e-05	-1.46e-04	0.0
179	25	1.65e-04	-4.81e-03	-0.33	0.0	-1.45e-04	0.0
179	39	0.01	3.16e-04	-0.34	-6.73e-05	-1.29e-04	0.0
179	44	-3.99e-03	-0.02	-0.32	2.28e-04	-1.53e-04	0.0
179	54	4.39e-03	0.01	-0.35	-2.26e-04	-1.36e-04	0.0
179	71	6.32e-03	-2.35e-03	-0.34	-3.16e-05	-1.37e-04	0.0
179	76	-1.85e-03	-0.01	-0.33	1.09e-04	-1.49e-04	0.0
179	86	2.22e-03	4.13e-03	-0.34	-1.07e-04	-1.41e-04	0.0
180	3	6.66e-04	0.02	-0.46	-1.20e-04	-2.34e-04	0.0
180	5	0.02	-6.04e-03	-0.44	2.95e-05	-2.18e-04	0.0
180	8	-4.89e-04	-0.05	-0.42	2.86e-04	-2.34e-04	0.0
180	11	4.54e-04	9.90e-03	-0.35	-9.30e-05	-1.74e-04	0.0
180	13	0.01	-4.72e-03	-0.34	6.47e-06	-1.63e-04	0.0
180	16	-3.13e-04	-0.03	-0.32	1.77e-04	-1.74e-04	0.0
180	17	1.70e-04	-4.77e-03	-0.33	1.40e-06	-1.66e-04	0.0
180	21	2.87e-03	-4.68e-03	-0.32	-1.96e-06	-1.62e-04	0.0
180	24	6.76e-05	-0.01	-0.32	3.22e-05	-1.64e-04	0.0
180	25	1.72e-04	-4.73e-03	-0.32	-1.97e-06	-1.63e-04	0.0
180	39	0.01	2.82e-04	-0.33	-6.92e-05	-1.45e-04	0.0
180	44	-3.99e-03	-0.02	-0.31	2.23e-04	-1.73e-04	0.0
180	54	4.40e-03	0.01	-0.34	-2.26e-04	-1.54e-04	0.0
180	71	6.33e-03	-2.32e-03	-0.33	-3.40e-05	-1.54e-04	0.0
180	76	-1.85e-03	-0.01	-0.32	1.05e-04	-1.68e-04	0.0
180	86	2.22e-03	4.27e-03	-0.33	-1.09e-04	-1.59e-04	0.0
181	3	6.71e-04	0.02	-0.45	-1.22e-04	-2.54e-04	0.0
181	5	0.02	-5.90e-03	-0.42	2.56e-05	-2.36e-04	0.0
181	8	-4.76e-04	-0.05	-0.40	2.79e-04	-2.56e-04	0.0
181	11	4.58e-04	9.88e-03	-0.34	-9.46e-05	-1.89e-04	0.0
181	13	0.01	-4.62e-03	-0.32	3.75e-06	-1.77e-04	0.0
181	16	-3.04e-04	-0.03	-0.31	1.73e-04	-1.90e-04	0.0
181	17	1.75e-04	-4.69e-03	-0.32	-1.30e-06	-1.81e-04	0.0
181	21	2.88e-03	-4.60e-03	-0.31	-4.56e-06	-1.77e-04	0.0
181	24	7.35e-05	-0.01	-0.31	2.92e-05	-1.80e-04	0.0
181	25	1.77e-04	-4.65e-03	-0.31	-4.59e-06	-1.79e-04	0.0
181	39	0.01	2.54e-04	-0.32	-6.78e-05	-1.59e-04	0.0
181	50	3.25e-03	-0.02	-0.30	2.16e-04	-1.79e-04	0.0
181	54	4.41e-03	0.01	-0.33	-2.24e-04	-1.68e-04	0.0
181	71	6.33e-03	-2.29e-03	-0.32	-3.47e-05	-1.69e-04	0.0
181	76	-1.84e-03	-0.01	-0.31	1.00e-04	-1.84e-04	0.0
181	86	2.23e-03	4.40e-03	-0.32	-1.09e-04	-1.73e-04	0.0

182	3	6.74e-04	0.02	-0.43	-1.24e-04	-2.69e-04	0.0
182	5	0.02	-5.77e-03	-0.41	2.23e-05	-2.50e-04	0.0
182	8	-4.65e-04	-0.05	-0.38	2.73e-04	-2.73e-04	0.0
182	11	4.60e-04	9.87e-03	-0.33	-9.57e-05	-2.01e-04	0.0
182	13	0.01	-4.53e-03	-0.31	1.49e-06	-1.88e-04	0.0
182	16	-2.96e-04	-0.03	-0.30	1.68e-04	-2.04e-04	0.0
182	17	1.80e-04	-4.62e-03	-0.31	-3.56e-06	-1.94e-04	0.0
182	21	2.88e-03	-4.52e-03	-0.30	-6.78e-06	-1.89e-04	0.0
182	24	7.84e-05	-0.01	-0.30	2.66e-05	-1.92e-04	0.0
182	25	1.81e-04	-4.58e-03	-0.30	-6.82e-06	-1.91e-04	0.0
182	39	0.01	2.30e-04	-0.31	-6.90e-05	-1.69e-04	0.0
182	50	3.25e-03	-0.02	-0.29	2.11e-04	-1.92e-04	0.0
182	54	4.41e-03	0.01	-0.32	-2.23e-04	-1.79e-04	0.0
182	71	6.34e-03	-2.26e-03	-0.31	-3.64e-05	-1.80e-04	0.0
182	76	-1.84e-03	-0.01	-0.29	9.63e-05	-1.97e-04	0.0
182	86	2.23e-03	4.53e-03	-0.31	-1.10e-04	-1.85e-04	0.0
183	3	6.76e-04	0.02	-0.42	-1.24e-04	-2.79e-04	0.0
183	5	0.02	-5.63e-03	-0.39	2.00e-05	-2.59e-04	0.0
183	8	-4.56e-04	-0.05	-0.37	2.68e-04	-2.86e-04	0.0
183	11	4.62e-04	9.85e-03	-0.32	-9.62e-05	-2.09e-04	0.0
183	13	0.01	-4.44e-03	-0.30	0.0	-1.96e-04	0.0
183	16	-2.90e-04	-0.03	-0.28	1.65e-04	-2.14e-04	0.0
183	21	2.88e-03	-4.44e-03	-0.29	-8.41e-06	-1.98e-04	0.0
183	23	2.80e-04	3.48e-04	-0.29	-4.31e-05	-1.99e-04	0.0
183	24	8.23e-05	-0.01	-0.29	2.46e-05	-2.02e-04	0.0
183	25	1.84e-04	-4.51e-03	-0.29	-8.46e-06	-2.00e-04	0.0
183	39	0.01	2.09e-04	-0.30	-6.96e-05	-1.76e-04	0.0
183	50	3.26e-03	-0.02	-0.28	2.06e-04	-2.01e-04	0.0
183	54	4.41e-03	0.01	-0.31	-2.22e-04	-1.86e-04	0.0
183	71	6.34e-03	-2.23e-03	-0.30	-3.75e-05	-1.88e-04	0.0
183	76	-1.83e-03	-0.01	-0.28	9.31e-05	-2.07e-04	0.0
183	86	2.24e-03	4.66e-03	-0.30	-1.10e-04	-1.93e-04	0.0
184	3	6.78e-04	0.02	-0.40	-1.24e-04	-2.86e-04	0.0
184	5	0.02	-5.50e-03	-0.38	1.91e-05	-2.66e-04	0.0
184	8	-4.52e-04	-0.05	-0.35	2.65e-04	-2.95e-04	0.0
184	11	4.64e-04	9.84e-03	-0.30	-9.58e-05	-2.15e-04	0.0
184	13	0.01	-4.35e-03	-0.29	0.0	-2.01e-04	0.0
184	16	-2.86e-04	-0.03	-0.27	1.63e-04	-2.21e-04	0.0
184	21	2.89e-03	-4.36e-03	-0.28	-9.16e-06	-2.04e-04	0.0
184	23	2.82e-04	3.90e-04	-0.28	-4.36e-05	-2.05e-04	0.0
184	24	8.45e-05	-0.01	-0.28	2.36e-05	-2.08e-04	0.0
184	25	1.86e-04	-4.44e-03	-0.28	-9.24e-06	-2.06e-04	0.0
184	39	0.01	1.93e-04	-0.29	-6.94e-05	-1.82e-04	0.0
184	50	3.26e-03	-0.02	-0.26	2.03e-04	-2.08e-04	0.0
184	54	4.42e-03	0.01	-0.30	-2.20e-04	-1.92e-04	0.0
184	71	6.34e-03	-2.19e-03	-0.29	-3.79e-05	-1.94e-04	0.0
184	76	-1.83e-03	-0.01	-0.27	9.11e-05	-2.13e-04	0.0
184	86	2.24e-03	4.79e-03	-0.29	-1.10e-04	-1.99e-04	0.0
185	3	5.12e-04	0.02	-0.47	-7.86e-05	1.88e-04	0.0
185	5	0.02	-8.93e-03	-0.43	6.14e-05	2.15e-04	0.0
185	8	-7.57e-04	-0.06	-0.41	3.10e-04	2.03e-04	0.0
185	11	3.36e-04	9.68e-03	-0.35	-6.56e-05	1.43e-04	0.0
185	13	0.01	-6.78e-03	-0.33	2.77e-05	1.61e-04	0.0
185	16	-5.08e-04	-0.04	-0.32	1.94e-04	1.54e-04	0.0
185	21	2.74e-03	-6.52e-03	-0.32	1.99e-05	1.45e-04	0.0
185	23	1.42e-04	-9.83e-04	-0.33	-1.42e-05	1.40e-04	0.0

185	24	-7.96e-05	-0.01	-0.32	5.31e-05	1.43e-04	0.0
185	25	3.51e-05	-6.43e-03	-0.32	2.01e-05	1.42e-04	0.0
185	39	0.01	1.79e-06	-0.32	-4.59e-05	1.62e-04	0.0
185	43	-5.69e-03	-0.03	-0.31	2.29e-04	1.45e-04	0.0
185	49	-1.41e-03	0.01	-0.34	-1.87e-04	1.24e-04	0.0
185	71	6.20e-03	-3.40e-03	-0.32	-1.13e-05	1.52e-04	0.0
185	81	-6.82e-04	3.51e-03	-0.33	-7.84e-05	1.33e-04	0.0
185	85	7.91e-04	-0.02	-0.32	1.19e-04	1.50e-04	0.0
186	6	-0.02	-8.38e-03	-0.44	6.59e-05	1.73e-04	0.0
186	7	1.09e-03	0.03	-0.48	-1.84e-04	1.78e-04	0.0
186	8	-1.47e-03	-0.06	-0.39	3.11e-04	2.03e-04	0.0
186	14	-0.01	-6.39e-03	-0.34	3.08e-05	1.33e-04	0.0
186	15	7.42e-04	0.02	-0.36	-1.38e-04	1.37e-04	0.0
186	16	-9.97e-04	-0.04	-0.30	1.94e-04	1.53e-04	0.0
186	22	-2.78e-03	-6.39e-03	-0.32	2.11e-05	1.39e-04	0.0
186	23	2.67e-05	-9.82e-04	-0.33	-1.34e-05	1.40e-04	0.0
186	24	-3.03e-04	-0.01	-0.32	5.38e-05	1.43e-04	0.0
186	25	-1.24e-04	-6.43e-03	-0.32	2.09e-05	1.42e-04	0.0
186	27	-0.01	-0.01	-0.32	8.72e-05	1.21e-04	0.0
186	43	-6.31e-03	-0.03	-0.30	2.30e-04	1.46e-04	0.0
186	49	-1.16e-03	0.01	-0.36	-1.86e-04	1.24e-04	0.0
186	59	-6.35e-03	-9.51e-03	-0.32	5.25e-05	1.32e-04	0.0
186	81	-6.40e-04	3.51e-03	-0.34	-7.76e-05	1.33e-04	0.0
186	85	4.23e-04	-0.02	-0.31	1.19e-04	1.51e-04	0.0
187	6	-0.02	-8.47e-03	-0.43	6.71e-05	1.75e-04	0.0
187	7	1.09e-03	0.03	-0.47	-1.83e-04	1.80e-04	0.0
187	8	-1.47e-03	-0.06	-0.39	3.12e-04	2.05e-04	0.0
187	14	-0.01	-6.46e-03	-0.33	3.17e-05	1.35e-04	0.0
187	15	7.41e-04	0.02	-0.36	-1.37e-04	1.38e-04	0.0
187	16	-9.96e-04	-0.04	-0.30	1.95e-04	1.55e-04	0.0
187	22	-2.78e-03	-6.46e-03	-0.32	2.20e-05	1.41e-04	0.0
187	23	2.68e-05	-1.04e-03	-0.32	-1.24e-05	1.42e-04	0.0
187	24	-3.03e-04	-0.01	-0.31	5.46e-05	1.45e-04	0.0
187	25	-1.24e-04	-6.51e-03	-0.32	2.17e-05	1.44e-04	0.0
187	27	-0.01	-0.01	-0.32	8.80e-05	1.23e-04	0.0
187	43	-6.31e-03	-0.03	-0.29	2.30e-04	1.47e-04	0.0
187	49	-1.16e-03	0.01	-0.35	-1.84e-04	1.26e-04	0.0
187	59	-6.34e-03	-9.63e-03	-0.32	5.33e-05	1.34e-04	0.0
187	81	-6.40e-04	3.52e-03	-0.33	-7.65e-05	1.35e-04	0.0
187	85	4.24e-04	-0.02	-0.30	1.20e-04	1.52e-04	0.0
188	5	0.02	-5.34e-03	-0.36	2.15e-05	-2.70e-04	0.0
188	7	1.34e-03	0.03	-0.39	-2.26e-04	-2.77e-04	0.0
188	8	-9.64e-04	-0.05	-0.31	2.64e-04	-3.00e-04	0.0
188	13	0.01	-4.23e-03	-0.28	1.30e-06	-2.05e-04	0.0
188	15	9.10e-04	0.02	-0.30	-1.66e-04	-2.09e-04	0.0
188	16	-6.31e-04	-0.03	-0.24	1.63e-04	-2.24e-04	0.0
188	21	2.79e-03	-4.26e-03	-0.27	-7.71e-06	-2.08e-04	0.0
188	23	2.29e-04	4.42e-04	-0.27	-4.19e-05	-2.09e-04	0.0
188	24	-5.20e-05	-9.90e-03	-0.26	2.47e-05	-2.12e-04	0.0
188	25	1.00e-04	-4.35e-03	-0.27	-7.88e-06	-2.10e-04	0.0
188	39	0.01	1.85e-04	-0.28	-6.72e-05	-1.85e-04	0.0
188	50	3.14e-03	-0.02	-0.24	2.02e-04	-2.11e-04	0.0
188	54	4.43e-03	0.01	-0.30	-2.16e-04	-1.96e-04	0.0
188	71	6.33e-03	-2.15e-03	-0.27	-3.61e-05	-1.98e-04	0.0
188	76	-1.95e-03	-0.01	-0.25	9.16e-05	-2.17e-04	0.0
188	86	2.18e-03	4.95e-03	-0.28	-1.07e-04	-2.03e-04	0.0

189	6	-0.02	-8.27e-03	-0.45	6.47e-05	1.69e-04	0.0
189	7	1.09e-03	0.03	-0.48	-1.86e-04	1.74e-04	0.0
189	8	-1.47e-03	-0.06	-0.40	3.11e-04	1.98e-04	0.0
189	14	-0.01	-6.32e-03	-0.34	2.98e-05	1.30e-04	0.0
189	15	7.42e-04	0.02	-0.37	-1.40e-04	1.34e-04	0.0
189	16	-9.98e-04	-0.04	-0.31	1.94e-04	1.49e-04	0.0
189	22	-2.78e-03	-6.31e-03	-0.33	2.03e-05	1.36e-04	0.0
189	23	2.71e-05	-9.24e-04	-0.33	-1.43e-05	1.37e-04	0.0
189	24	-3.03e-04	-0.01	-0.32	5.31e-05	1.40e-04	0.0
189	25	-1.24e-04	-6.35e-03	-0.33	2.01e-05	1.38e-04	0.0
189	27	-0.01	-0.01	-0.33	8.66e-05	1.18e-04	0.0
189	43	-6.31e-03	-0.03	-0.30	2.30e-04	1.42e-04	0.0
189	49	-1.16e-03	0.01	-0.36	-1.88e-04	1.20e-04	0.0
189	59	-6.35e-03	-9.39e-03	-0.33	5.18e-05	1.28e-04	0.0
189	81	-6.40e-04	3.50e-03	-0.34	-7.88e-05	1.29e-04	0.0
189	85	4.24e-04	-0.02	-0.31	1.19e-04	1.47e-04	0.0
190	6	-0.02	-8.10e-03	-0.46	6.31e-05	1.58e-04	0.0
190	7	1.09e-03	0.03	-0.49	-1.90e-04	1.62e-04	0.0
190	8	-1.47e-03	-0.06	-0.41	3.11e-04	1.84e-04	0.0
190	14	-0.01	-6.19e-03	-0.35	2.86e-05	1.22e-04	0.0
190	15	7.43e-04	0.02	-0.37	-1.42e-04	1.25e-04	0.0
190	16	-9.92e-04	-0.04	-0.32	1.94e-04	1.40e-04	0.0
190	22	-2.78e-03	-6.17e-03	-0.34	1.92e-05	1.26e-04	0.0
190	23	2.91e-05	-8.23e-04	-0.34	-1.57e-05	1.27e-04	0.0
190	24	-3.00e-04	-0.01	-0.33	5.22e-05	1.30e-04	0.0
190	25	-1.22e-04	-6.21e-03	-0.34	1.90e-05	1.29e-04	0.0
190	27	-0.01	-0.01	-0.33	8.58e-05	1.09e-04	0.0
190	43	-6.31e-03	-0.03	-0.31	2.31e-04	1.33e-04	0.0
190	49	-1.16e-03	0.01	-0.37	-1.91e-04	1.11e-04	0.0
190	59	-6.34e-03	-9.20e-03	-0.34	5.08e-05	1.19e-04	0.0
190	79	-6.39e-04	3.49e-03	-0.35	-8.08e-05	1.20e-04	0.0
190	85	4.27e-04	-0.02	-0.32	1.19e-04	1.37e-04	0.0
191	6	-0.02	-7.92e-03	-0.46	6.20e-05	1.41e-04	0.0
191	7	1.09e-03	0.03	-0.50	-1.93e-04	1.45e-04	0.0
191	8	-1.45e-03	-0.06	-0.42	3.11e-04	1.65e-04	0.0
191	14	-0.01	-6.06e-03	-0.35	2.78e-05	1.09e-04	0.0
191	15	7.44e-04	0.02	-0.38	-1.44e-04	1.12e-04	0.0
191	16	-9.79e-04	-0.04	-0.33	1.94e-04	1.25e-04	0.0
191	22	-2.77e-03	-6.04e-03	-0.34	1.84e-05	1.13e-04	0.0
191	23	3.31e-05	-7.22e-04	-0.35	-1.67e-05	1.13e-04	0.0
191	24	-2.93e-04	-0.01	-0.34	5.17e-05	1.16e-04	0.0
191	25	-1.16e-04	-6.07e-03	-0.34	1.82e-05	1.15e-04	0.0
191	27	-0.01	-0.01	-0.34	8.56e-05	9.68e-05	0.0
191	43	-6.30e-03	-0.03	-0.32	2.32e-04	1.19e-04	0.0
191	49	-1.16e-03	0.01	-0.38	-1.94e-04	9.73e-05	0.0
191	59	-6.34e-03	-9.00e-03	-0.34	5.04e-05	1.06e-04	0.0
191	81	-6.36e-04	3.48e-03	-0.36	-8.27e-05	1.06e-04	0.0
191	85	4.35e-04	-0.02	-0.33	1.19e-04	1.23e-04	0.0
192	6	-0.02	-7.75e-03	-0.47	6.12e-05	1.19e-04	0.0
192	7	1.09e-03	0.03	-0.51	-1.96e-04	1.23e-04	0.0
192	8	-1.42e-03	-0.06	-0.43	3.13e-04	1.39e-04	0.0
192	14	-0.01	-5.94e-03	-0.36	2.72e-05	9.29e-05	0.0
192	15	7.44e-04	0.02	-0.39	-1.47e-04	9.59e-05	0.0
192	16	-9.60e-04	-0.04	-0.33	1.95e-04	1.06e-04	0.0
192	22	-2.77e-03	-5.90e-03	-0.35	1.79e-05	9.48e-05	0.0
192	23	3.89e-05	-6.22e-04	-0.36	-1.75e-05	9.54e-05	0.0

192	24	-2.84e-04	-0.01	-0.35	5.14e-05	9.74e-05	0.0
192	25	-1.09e-04	-5.93e-03	-0.35	1.77e-05	9.64e-05	0.0
192	27	-0.01	-0.01	-0.35	8.58e-05	8.01e-05	0.0
192	43	-6.28e-03	-0.03	-0.32	2.34e-04	1.01e-04	0.0
192	49	-1.16e-03	0.01	-0.38	-1.97e-04	7.97e-05	0.0
192	59	-6.33e-03	-8.81e-03	-0.35	5.01e-05	8.84e-05	0.0
192	81	-6.32e-04	3.48e-03	-0.37	-8.45e-05	8.83e-05	0.0
192	85	4.46e-04	-0.02	-0.33	1.20e-04	1.04e-04	0.0
193	6	-0.02	-7.58e-03	-0.48	6.00e-05	9.10e-05	0.0
193	7	1.10e-03	0.03	-0.52	-2.00e-04	9.59e-05	0.0
193	8	-1.39e-03	-0.05	-0.44	3.14e-04	1.06e-04	0.0
193	14	-0.01	-5.81e-03	-0.37	2.64e-05	7.21e-05	0.0
193	15	7.47e-04	0.02	-0.39	-1.49e-04	7.54e-05	0.0
193	16	-9.38e-04	-0.04	-0.34	1.96e-04	8.24e-05	0.0
193	22	-2.76e-03	-5.77e-03	-0.36	1.71e-05	7.27e-05	0.0
193	23	4.67e-05	-5.24e-04	-0.36	-1.87e-05	7.34e-05	0.0
193	24	-2.71e-04	-0.01	-0.35	5.09e-05	7.48e-05	0.0
193	25	-9.90e-05	-5.80e-03	-0.36	1.69e-05	7.40e-05	0.0
193	27	-0.01	-0.01	-0.35	8.57e-05	5.97e-05	0.0
193	43	-6.27e-03	-0.03	-0.33	2.37e-04	7.93e-05	0.0
193	49	-1.16e-03	0.01	-0.39	-2.01e-04	5.82e-05	0.0
193	59	-6.32e-03	-8.62e-03	-0.35	4.97e-05	6.70e-05	0.0
193	80	-1.54e-03	2.61e-03	-0.37	-8.77e-05	6.72e-05	0.0
193	85	4.60e-04	-0.02	-0.34	1.21e-04	8.18e-05	0.0
194	6	-0.02	-7.42e-03	-0.48	5.81e-05	5.82e-05	0.0
194	7	1.11e-03	0.03	-0.52	-2.05e-04	6.36e-05	0.0
194	8	-1.36e-03	-0.05	-0.44	3.14e-04	6.97e-05	0.0
194	14	-0.01	-5.70e-03	-0.37	2.51e-05	4.77e-05	0.0
194	15	7.53e-04	0.02	-0.40	-1.52e-04	5.12e-05	0.0
194	16	-9.14e-04	-0.04	-0.34	1.96e-04	5.53e-05	0.0
194	22	-2.75e-03	-5.65e-03	-0.36	1.59e-05	4.75e-05	0.0
194	23	5.72e-05	-4.28e-04	-0.36	-2.03e-05	4.82e-05	0.0
194	24	-2.57e-04	-0.01	-0.35	5.00e-05	4.90e-05	0.0
194	25	-8.66e-05	-5.66e-03	-0.36	1.57e-05	4.86e-05	0.0
194	27	-0.01	-0.01	-0.35	8.51e-05	3.63e-05	0.0
194	43	-6.25e-03	-0.02	-0.33	2.38e-04	5.43e-05	0.0
194	48	-2.83e-03	0.01	-0.39	-2.06e-04	5.12e-05	0.0
194	59	-6.31e-03	-8.43e-03	-0.36	4.88e-05	4.26e-05	0.0
194	80	-1.53e-03	2.80e-03	-0.37	-9.03e-05	4.97e-05	0.0
194	85	4.77e-04	-0.01	-0.34	1.21e-04	5.59e-05	0.0
195	6	-0.02	-7.26e-03	-0.49	5.54e-05	2.23e-05	0.0
195	7	1.13e-03	0.03	-0.53	-2.10e-04	2.70e-05	0.0
195	8	-1.32e-03	-0.05	-0.45	3.14e-04	3.09e-05	0.0
195	14	-0.01	-5.59e-03	-0.37	2.33e-05	2.08e-05	0.0
195	15	7.65e-04	0.02	-0.40	-1.56e-04	2.40e-05	0.0
195	16	-8.90e-04	-0.04	-0.35	1.95e-04	2.65e-05	0.0
195	22	-2.73e-03	-5.53e-03	-0.36	1.41e-05	2.05e-05	0.0
195	23	7.11e-05	-3.38e-04	-0.37	-2.23e-05	2.12e-05	0.0
195	24	-2.40e-04	-0.01	-0.36	4.85e-05	2.17e-05	0.0
195	25	-7.13e-05	-5.54e-03	-0.36	1.40e-05	2.14e-05	0.0
195	27	-0.01	-0.01	-0.35	8.36e-05	1.11e-05	0.0
195	48	-2.82e-03	0.01	-0.39	-2.10e-04	2.41e-05	0.0
195	53	1.04e-03	-0.02	-0.33	2.36e-04	3.48e-05	0.0
195	59	-6.29e-03	-8.26e-03	-0.36	4.71e-05	1.64e-05	0.0
195	80	-1.52e-03	2.99e-03	-0.38	-9.30e-05	2.26e-05	0.0
195	85	4.97e-04	-0.01	-0.35	1.20e-04	2.79e-05	0.0

196	6	-0.02	-7.14e-03	-0.49	5.24e-05	-9.49e-06	0.0
196	7	1.15e-03	0.03	-0.53	-2.14e-04	-6.49e-06	0.0
196	8	-1.29e-03	-0.05	-0.45	3.12e-04	-2.46e-06	0.0
196	14	-0.01	-5.50e-03	-0.37	2.14e-05	-3.03e-06	0.0
196	15	7.79e-04	0.02	-0.40	-1.58e-04	-1.01e-06	0.0
196	16	-8.70e-04	-0.04	-0.35	1.94e-04	1.66e-06	0.0
196	22	-2.72e-03	-5.43e-03	-0.36	1.22e-05	-2.94e-06	0.0
196	23	8.50e-05	-2.65e-04	-0.37	-2.44e-05	-2.53e-06	0.0
196	24	-2.24e-04	-0.01	-0.36	4.68e-05	-2.00e-06	0.0
196	25	-5.65e-05	-5.44e-03	-0.36	1.21e-05	-2.29e-06	0.0
196	27	-0.01	-0.01	-0.35	8.19e-05	-1.10e-05	0.0
196	48	-2.81e-03	0.01	-0.39	-2.13e-04	0.0	0.0
196	53	1.06e-03	-0.02	-0.33	2.36e-04	9.37e-06	0.0
196	59	-6.28e-03	-8.11e-03	-0.36	4.53e-05	-6.52e-06	0.0
196	80	-1.51e-03	3.14e-03	-0.38	-9.56e-05	-1.31e-06	0.0
196	85	5.15e-04	-0.01	-0.35	1.19e-04	3.38e-06	0.0
197	6	-0.02	-6.98e-03	-0.48	4.78e-05	-5.04e-05	0.0
197	7	1.18e-03	0.03	-0.53	-2.20e-04	-4.92e-05	0.0
197	8	-1.25e-03	-0.05	-0.45	3.09e-04	-4.50e-05	0.0
197	14	-0.01	-5.38e-03	-0.37	1.83e-05	-3.39e-05	0.0
197	15	7.99e-04	0.02	-0.40	-1.62e-04	-3.30e-05	0.0
197	16	-8.41e-04	-0.04	-0.35	1.92e-04	-3.03e-05	0.0
197	22	-2.70e-03	-5.30e-03	-0.36	9.34e-06	-3.29e-05	0.0
197	23	1.05e-04	-1.75e-04	-0.37	-2.74e-05	-3.27e-05	0.0
197	24	-2.02e-04	-0.01	-0.36	4.41e-05	-3.22e-05	0.0
197	25	-3.54e-05	-5.31e-03	-0.36	9.27e-06	-3.25e-05	0.0
197	27	-0.01	-0.01	-0.35	7.92e-05	-3.93e-05	0.0
197	53	1.09e-03	-0.02	-0.33	2.34e-04	-2.25e-05	0.0
197	56	4.31e-03	0.01	-0.39	-2.20e-04	-2.54e-05	0.0
197	59	-6.25e-03	-7.92e-03	-0.36	4.26e-05	-3.58e-05	0.0
197	85	5.41e-04	-0.01	-0.35	1.16e-04	-2.76e-05	0.0
197	88	2.06e-03	3.32e-03	-0.38	-9.99e-05	-2.91e-05	0.0
198	5	0.02	-6.87e-03	-0.48	4.28e-05	-7.87e-05	0.0
198	7	1.20e-03	0.03	-0.52	-2.24e-04	-8.21e-05	0.0
198	8	-1.21e-03	-0.05	-0.44	3.05e-04	-8.05e-05	0.0
198	13	0.01	-5.31e-03	-0.37	1.49e-05	-5.58e-05	0.0
198	15	8.17e-04	0.02	-0.40	-1.65e-04	-5.81e-05	0.0
198	16	-8.12e-04	-0.04	-0.34	1.89e-04	-5.70e-05	0.0
198	22	-2.68e-03	-5.20e-03	-0.36	6.72e-06	-5.74e-05	0.0
198	23	1.24e-04	-1.01e-04	-0.36	-3.01e-05	-5.72e-05	0.0
198	24	-1.80e-04	-0.01	-0.35	4.15e-05	-5.70e-05	0.0
198	25	-1.53e-05	-5.20e-03	-0.36	6.66e-06	-5.71e-05	0.0
198	39	0.01	1.38e-04	-0.37	-6.31e-05	-5.11e-05	0.0
198	52	3.01e-03	-0.02	-0.33	2.36e-04	-5.86e-05	0.0
198	56	4.33e-03	0.01	-0.39	-2.24e-04	-5.07e-05	0.0
198	71	6.23e-03	-2.66e-03	-0.36	-2.66e-05	-5.42e-05	0.0
198	84	1.48e-03	-0.01	-0.34	1.16e-04	-5.78e-05	0.0
198	88	2.07e-03	3.49e-03	-0.37	-1.03e-04	-5.40e-05	0.0
199	5	0.02	-6.69e-03	-0.48	3.91e-05	-1.10e-04	0.0
199	7	1.23e-03	0.03	-0.52	-2.28e-04	-1.12e-04	0.0
199	8	-1.17e-03	-0.05	-0.44	3.01e-04	-1.14e-04	0.0
199	13	0.01	-5.18e-03	-0.36	1.24e-05	-7.99e-05	0.0
199	15	8.34e-04	0.02	-0.39	-1.68e-04	-8.09e-05	0.0
199	16	-7.82e-04	-0.03	-0.34	1.87e-04	-8.24e-05	0.0
199	21	2.70e-03	-5.09e-03	-0.35	4.12e-06	-7.97e-05	0.0
199	23	1.43e-04	-3.03e-05	-0.36	-3.26e-05	-7.99e-05	0.0

199	24	-1.57e-04	-0.01	-0.35	3.90e-05	-8.02e-05	0.0
199	25	5.42e-06	-5.10e-03	-0.35	4.13e-06	-8.01e-05	0.0
199	39	0.01	8.07e-04	-0.36	-6.55e-05	-7.41e-05	0.0
199	44	-4.23e-03	-0.02	-0.32	2.35e-04	-8.65e-05	0.0
199	54	4.35e-03	0.01	-0.39	-2.26e-04	-7.36e-05	0.0
199	71	6.25e-03	-2.28e-03	-0.36	-2.90e-05	-7.71e-05	0.0
199	76	-2.05e-03	-0.01	-0.34	1.14e-04	-8.32e-05	0.0
199	86	2.09e-03	3.74e-03	-0.37	-1.06e-04	-7.69e-05	0.0
200	5	0.02	-6.52e-03	-0.47	3.57e-05	-1.39e-04	0.0
200	7	1.26e-03	0.03	-0.51	-2.31e-04	-1.40e-04	0.0
200	8	-1.13e-03	-0.05	-0.43	2.96e-04	-1.46e-04	0.0
200	13	0.01	-5.06e-03	-0.36	1.01e-05	-1.02e-04	0.0
200	15	8.52e-04	0.02	-0.39	-1.69e-04	-1.03e-04	0.0
200	16	-7.53e-04	-0.03	-0.33	1.84e-04	-1.06e-04	0.0
200	21	2.72e-03	-4.98e-03	-0.35	1.71e-06	-1.01e-04	0.0
200	23	1.61e-04	3.62e-05	-0.35	-3.49e-05	-1.02e-04	0.0
200	24	-1.36e-04	-0.01	-0.34	3.64e-05	-1.02e-04	0.0
200	25	2.53e-05	-5.00e-03	-0.35	1.70e-06	-1.02e-04	0.0
200	39	0.01	5.04e-04	-0.36	-6.74e-05	-9.47e-05	0.0
200	44	-4.21e-03	-0.02	-0.32	2.31e-04	-1.09e-04	0.0
200	54	4.36e-03	0.01	-0.38	-2.27e-04	-9.50e-05	0.0
200	71	6.27e-03	-2.37e-03	-0.35	-3.12e-05	-9.84e-05	0.0
200	76	-2.03e-03	-0.01	-0.33	1.11e-04	-1.05e-04	0.0
200	86	2.11e-03	3.86e-03	-0.36	-1.07e-04	-9.86e-05	0.0
201	5	0.02	-5.42e-03	-0.37	2.07e-05	-2.69e-04	0.0
201	7	1.34e-03	0.03	-0.40	-2.27e-04	-2.75e-04	0.0
201	8	-9.62e-04	-0.05	-0.32	2.64e-04	-2.98e-04	0.0
201	13	0.01	-4.29e-03	-0.28	0.0	-2.03e-04	0.0
201	15	9.10e-04	0.02	-0.31	-1.67e-04	-2.08e-04	0.0
201	16	-6.30e-04	-0.03	-0.25	1.63e-04	-2.23e-04	0.0
201	21	2.79e-03	-4.31e-03	-0.27	-8.30e-06	-2.06e-04	0.0
201	23	2.29e-04	4.16e-04	-0.28	-4.26e-05	-2.07e-04	0.0
201	24	-5.16e-05	-9.96e-03	-0.27	2.42e-05	-2.10e-04	0.0
201	25	1.01e-04	-4.40e-03	-0.27	-8.46e-06	-2.09e-04	0.0
201	39	0.01	1.88e-04	-0.29	-6.81e-05	-1.84e-04	0.0
201	50	3.14e-03	-0.02	-0.24	2.03e-04	-2.09e-04	0.0
201	54	4.43e-03	0.01	-0.31	-2.18e-04	-1.95e-04	0.0
201	71	6.33e-03	-2.17e-03	-0.28	-3.68e-05	-1.97e-04	0.0
201	76	-1.95e-03	-0.01	-0.26	9.14e-05	-2.16e-04	0.0
201	86	2.18e-03	4.87e-03	-0.29	-1.08e-04	-2.02e-04	0.0
202	5	0.02	-6.30e-03	-0.45	3.12e-05	-1.76e-04	0.0
202	7	1.29e-03	0.03	-0.49	-2.33e-04	-1.79e-04	0.0
202	8	-1.09e-03	-0.05	-0.42	2.90e-04	-1.86e-04	0.0
202	13	0.01	-4.90e-03	-0.35	7.18e-06	-1.31e-04	0.0
202	15	8.74e-04	0.02	-0.38	-1.71e-04	-1.33e-04	0.0
202	16	-7.20e-04	-0.03	-0.32	1.79e-04	-1.37e-04	0.0
202	21	2.74e-03	-4.84e-03	-0.34	-1.42e-06	-1.30e-04	0.0
202	23	1.84e-04	1.21e-04	-0.34	-3.78e-05	-1.30e-04	0.0
202	24	-1.10e-04	-0.01	-0.33	3.30e-05	-1.31e-04	0.0
202	25	4.90e-05	-4.87e-03	-0.34	-1.45e-06	-1.30e-04	0.0
202	39	0.01	3.42e-04	-0.35	-6.70e-05	-1.21e-04	0.0
202	44	-4.18e-03	-0.02	-0.31	2.25e-04	-1.38e-04	0.0
202	54	4.38e-03	0.01	-0.37	-2.27e-04	-1.23e-04	0.0
202	71	6.29e-03	-2.37e-03	-0.34	-3.26e-05	-1.26e-04	0.0
202	76	-2.01e-03	-0.01	-0.32	1.06e-04	-1.34e-04	0.0
202	86	2.13e-03	4.04e-03	-0.35	-1.09e-04	-1.27e-04	0.0

203	5	0.02	-6.20e-03	-0.45	2.92e-05	-1.92e-04	0.0
203	7	1.30e-03	0.03	-0.49	-2.34e-04	-1.97e-04	0.0
203	8	-1.07e-03	-0.05	-0.41	2.86e-04	-2.03e-04	0.0
203	13	0.01	-4.83e-03	-0.34	5.79e-06	-1.43e-04	0.0
203	15	8.84e-04	0.02	-0.37	-1.72e-04	-1.46e-04	0.0
203	16	-7.06e-04	-0.03	-0.32	1.77e-04	-1.51e-04	0.0
203	21	2.75e-03	-4.78e-03	-0.33	-2.85e-06	-1.42e-04	0.0
203	23	1.93e-04	1.59e-04	-0.34	-3.91e-05	-1.43e-04	0.0
203	24	-9.95e-05	-0.01	-0.33	3.14e-05	-1.43e-04	0.0
203	25	5.92e-05	-4.82e-03	-0.33	-2.90e-06	-1.43e-04	0.0
203	39	0.01	3.13e-04	-0.35	-6.79e-05	-1.32e-04	0.0
203	44	-4.17e-03	-0.02	-0.30	2.22e-04	-1.51e-04	0.0
203	54	4.39e-03	0.01	-0.37	-2.27e-04	-1.35e-04	0.0
203	71	6.30e-03	-2.35e-03	-0.34	-3.38e-05	-1.37e-04	0.0
203	76	-2.00e-03	-0.01	-0.32	1.04e-04	-1.47e-04	0.0
203	86	2.14e-03	4.13e-03	-0.35	-1.10e-04	-1.39e-04	0.0
204	5	0.02	-6.04e-03	-0.44	2.59e-05	-2.15e-04	0.0
204	7	1.32e-03	0.03	-0.48	-2.35e-04	-2.21e-04	0.0
204	8	-1.04e-03	-0.05	-0.40	2.81e-04	-2.29e-04	0.0
204	13	0.01	-4.72e-03	-0.33	3.60e-06	-1.61e-04	0.0
204	15	8.96e-04	0.02	-0.36	-1.72e-04	-1.65e-04	0.0
204	16	-6.84e-04	-0.03	-0.31	1.73e-04	-1.70e-04	0.0
204	21	2.76e-03	-4.69e-03	-0.33	-5.04e-06	-1.60e-04	0.0
204	23	2.07e-04	2.12e-04	-0.33	-4.09e-05	-1.61e-04	0.0
204	24	-8.36e-05	-0.01	-0.32	2.89e-05	-1.62e-04	0.0
204	25	7.37e-05	-4.73e-03	-0.32	-5.11e-06	-1.61e-04	0.0
204	39	0.01	2.80e-04	-0.34	-6.92e-05	-1.48e-04	0.0
204	44	-4.16e-03	-0.02	-0.29	2.18e-04	-1.71e-04	0.0
204	54	4.41e-03	0.01	-0.36	-2.27e-04	-1.52e-04	0.0
204	71	6.31e-03	-2.32e-03	-0.33	-3.56e-05	-1.55e-04	0.0
204	76	-1.98e-03	-0.01	-0.31	1.01e-04	-1.66e-04	0.0
204	86	2.16e-03	4.27e-03	-0.34	-1.11e-04	-1.57e-04	0.0
205	5	0.02	-5.90e-03	-0.42	2.31e-05	-2.34e-04	0.0
205	7	1.33e-03	0.03	-0.46	-2.34e-04	-2.40e-04	0.0
205	8	-1.01e-03	-0.05	-0.38	2.75e-04	-2.51e-04	0.0
205	13	0.01	-4.62e-03	-0.32	1.72e-06	-1.76e-04	0.0
205	15	9.04e-04	0.02	-0.35	-1.72e-04	-1.80e-04	0.0
205	16	-6.63e-04	-0.03	-0.30	1.70e-04	-1.87e-04	0.0
205	21	2.77e-03	-4.60e-03	-0.32	-6.91e-06	-1.75e-04	0.0
205	23	2.17e-04	2.60e-04	-0.32	-4.24e-05	-1.76e-04	0.0
205	24	-7.04e-05	-0.01	-0.31	2.67e-05	-1.78e-04	0.0
205	25	8.52e-05	-4.65e-03	-0.31	-7.00e-06	-1.77e-04	0.0
205	39	0.01	2.53e-04	-0.33	-7.00e-05	-1.57e-04	0.0
205	50	3.12e-03	-0.02	-0.28	2.14e-04	-1.77e-04	0.0
205	54	4.42e-03	0.01	-0.35	-2.26e-04	-1.66e-04	0.0
205	71	6.32e-03	-2.29e-03	-0.32	-3.70e-05	-1.67e-04	0.0
205	76	-1.97e-03	-0.01	-0.30	9.75e-05	-1.82e-04	0.0
205	86	2.17e-03	4.40e-03	-0.33	-1.11e-04	-1.72e-04	0.0
206	5	0.02	-5.77e-03	-0.41	2.10e-05	-2.48e-04	0.0
206	7	1.34e-03	0.03	-0.45	-2.33e-04	-2.55e-04	0.0
206	8	-9.84e-04	-0.05	-0.37	2.70e-04	-2.70e-04	0.0
206	13	0.01	-4.53e-03	-0.31	0.0	-1.87e-04	0.0
206	15	9.07e-04	0.02	-0.34	-1.71e-04	-1.91e-04	0.0
206	16	-6.46e-04	-0.03	-0.29	1.67e-04	-2.01e-04	0.0
206	21	2.78e-03	-4.52e-03	-0.30	-8.25e-06	-1.88e-04	0.0
206	23	2.23e-04	3.04e-04	-0.31	-4.33e-05	-1.89e-04	0.0

206	24	-6.03e-05	-0.01	-0.30	2.50e-05	-1.91e-04	0.0
206	25	9.35e-05	-4.58e-03	-0.30	-8.35e-06	-1.90e-04	0.0
206	39	0.01	2.29e-04	-0.32	-7.02e-05	-1.68e-04	0.0
206	50	3.13e-03	-0.02	-0.27	2.09e-04	-1.90e-04	0.0
206	54	4.42e-03	0.01	-0.34	-2.24e-04	-1.78e-04	0.0
206	71	6.33e-03	-2.26e-03	-0.31	-3.78e-05	-1.79e-04	0.0
206	76	-1.96e-03	-0.01	-0.29	9.46e-05	-1.95e-04	0.0
206	86	2.17e-03	4.53e-03	-0.32	-1.11e-04	-1.84e-04	0.0
207	5	0.02	-5.63e-03	-0.39	1.99e-05	-2.58e-04	0.0
207	7	1.34e-03	0.03	-0.43	-2.32e-04	-2.65e-04	0.0
207	8	-9.67e-04	-0.05	-0.35	2.67e-04	-2.84e-04	0.0
207	13	0.01	-4.44e-03	-0.30	0.0	-1.95e-04	0.0
207	15	9.08e-04	0.02	-0.33	-1.70e-04	-2.00e-04	0.0
207	16	-6.34e-04	-0.03	-0.27	1.64e-04	-2.12e-04	0.0
207	21	2.79e-03	-4.44e-03	-0.29	-8.91e-06	-1.97e-04	0.0
207	23	2.27e-04	3.47e-04	-0.30	-4.36e-05	-1.98e-04	0.0
207	24	-5.39e-05	-0.01	-0.29	2.40e-05	-2.01e-04	0.0
207	25	9.86e-05	-4.51e-03	-0.29	-9.03e-06	-1.99e-04	0.0
207	39	0.01	2.09e-04	-0.31	-6.99e-05	-1.76e-04	0.0
207	50	3.14e-03	-0.02	-0.26	2.05e-04	-1.99e-04	0.0
207	54	4.43e-03	0.01	-0.33	-2.22e-04	-1.87e-04	0.0
207	71	6.33e-03	-2.23e-03	-0.30	-3.80e-05	-1.88e-04	0.0
207	76	-1.95e-03	-0.01	-0.28	9.25e-05	-2.05e-04	0.0
207	86	2.18e-03	4.66e-03	-0.31	-1.11e-04	-1.93e-04	0.0
208	5	0.02	-5.50e-03	-0.38	2.01e-05	-2.66e-04	0.0
208	7	1.34e-03	0.03	-0.41	-2.29e-04	-2.73e-04	0.0
208	8	-9.62e-04	-0.05	-0.33	2.65e-04	-2.94e-04	0.0
208	13	0.01	-4.34e-03	-0.29	0.0	-2.01e-04	0.0
208	15	9.09e-04	0.02	-0.32	-1.68e-04	-2.06e-04	0.0
208	16	-6.30e-04	-0.03	-0.26	1.63e-04	-2.20e-04	0.0
208	21	2.79e-03	-4.36e-03	-0.28	-8.76e-06	-2.04e-04	0.0
208	23	2.29e-04	3.90e-04	-0.29	-4.32e-05	-2.05e-04	0.0
208	24	-5.16e-05	-0.01	-0.27	2.39e-05	-2.08e-04	0.0
208	25	1.00e-04	-4.44e-03	-0.28	-8.90e-06	-2.06e-04	0.0
208	39	0.01	1.94e-04	-0.30	-6.89e-05	-1.82e-04	0.0
208	50	3.14e-03	-0.02	-0.25	2.03e-04	-2.07e-04	0.0
208	54	4.43e-03	0.01	-0.31	-2.19e-04	-1.93e-04	0.0
208	71	6.33e-03	-2.19e-03	-0.29	-3.75e-05	-1.94e-04	0.0
208	76	-1.95e-03	-0.01	-0.26	9.15e-05	-2.13e-04	0.0
208	86	2.18e-03	4.79e-03	-0.30	-1.09e-04	-2.00e-04	0.0
209	3	5.31e-04	0.02	-0.45	-8.54e-05	1.91e-04	0.0
209	5	0.02	-9.23e-03	-0.42	5.54e-05	2.20e-04	0.0
209	8	-2.49e-04	-0.06	-0.41	3.04e-04	2.08e-04	0.0
209	11	3.56e-04	9.65e-03	-0.34	-7.07e-05	1.46e-04	0.0
209	13	0.01	-6.99e-03	-0.32	2.32e-05	1.65e-04	0.0
209	16	-1.60e-04	-0.04	-0.32	1.89e-04	1.57e-04	0.0
209	17	1.45e-04	-6.65e-03	-0.32	1.91e-05	1.46e-04	0.0
209	21	2.86e-03	-6.71e-03	-0.31	1.57e-05	1.48e-04	0.0
209	24	7.85e-05	-0.01	-0.31	4.88e-05	1.46e-04	0.0
209	25	1.48e-04	-6.60e-03	-0.31	1.58e-05	1.44e-04	0.0
209	33	-0.01	-5.12e-04	-0.33	-4.26e-05	1.17e-04	0.0
209	39	0.01	-1.97e-05	-0.31	-4.94e-05	1.65e-04	0.0
209	43	-5.31e-03	-0.03	-0.31	2.23e-04	1.48e-04	0.0
209	65	-5.37e-03	-3.67e-03	-0.32	-1.20e-05	1.31e-04	0.0
209	71	6.25e-03	-3.50e-03	-0.31	-1.52e-05	1.55e-04	0.0
209	85	1.03e-03	-0.02	-0.31	1.14e-04	1.53e-04	0.0

210	4	1.04e-03	-0.04	-0.46	2.09e-04	2.17e-04	0.0
210	5	0.02	-9.22e-03	-0.42	4.97e-05	2.28e-04	0.0
210	8	1.24e-03	-0.06	-0.46	2.98e-04	2.18e-04	0.0
210	12	7.26e-04	-0.03	-0.35	1.25e-04	1.64e-04	0.0
210	13	0.01	-6.98e-03	-0.32	1.86e-05	1.70e-04	0.0
210	16	8.57e-04	-0.04	-0.34	1.84e-04	1.64e-04	0.0
210	17	4.82e-04	-6.65e-03	-0.32	1.37e-05	1.51e-04	0.0
210	21	3.22e-03	-6.71e-03	-0.32	1.10e-05	1.53e-04	0.0
210	24	5.46e-04	-0.01	-0.32	4.40e-05	1.52e-04	0.0
210	25	4.83e-04	-6.60e-03	-0.32	1.08e-05	1.50e-04	0.0
210	37	0.01	-0.01	-0.31	7.30e-05	1.78e-04	0.0
210	43	-6.15e-04	-0.03	-0.35	2.19e-04	1.55e-04	0.0
210	45	-6.15e-04	-0.03	-0.35	2.19e-04	1.55e-04	0.0
210	69	6.61e-03	-9.60e-03	-0.31	4.05e-05	1.63e-04	0.0
210	75	-6.31e-05	-0.02	-0.33	1.10e-04	1.52e-04	0.0
210	85	3.44e-03	-0.02	-0.33	1.10e-04	1.59e-04	0.0
211	4	8.24e-04	-0.04	-0.46	2.09e-04	2.17e-04	0.0
211	5	0.02	-9.22e-03	-0.42	5.00e-05	2.27e-04	0.0
211	8	9.41e-04	-0.06	-0.45	2.98e-04	2.17e-04	0.0
211	12	5.75e-04	-0.03	-0.34	1.25e-04	1.63e-04	0.0
211	13	0.01	-6.98e-03	-0.32	1.89e-05	1.70e-04	0.0
211	16	6.54e-04	-0.04	-0.34	1.84e-04	1.63e-04	0.0
211	17	4.14e-04	-6.65e-03	-0.32	1.40e-05	1.51e-04	0.0
211	21	3.15e-03	-6.71e-03	-0.31	1.13e-05	1.53e-04	0.0
211	24	4.52e-04	-0.01	-0.32	4.43e-05	1.52e-04	0.0
211	25	4.15e-04	-6.60e-03	-0.32	1.11e-05	1.50e-04	0.0
211	37	0.01	-0.01	-0.31	7.32e-05	1.77e-04	0.0
211	43	-8.35e-04	-0.03	-0.34	2.19e-04	1.54e-04	0.0
211	45	-8.35e-04	-0.03	-0.34	2.19e-04	1.54e-04	0.0
211	69	6.53e-03	-9.60e-03	-0.31	4.07e-05	1.63e-04	0.0
211	75	-2.04e-04	-0.02	-0.33	1.10e-04	1.52e-04	0.0
211	85	3.30e-03	-0.02	-0.32	1.10e-04	1.59e-04	0.0
212	4	6.03e-04	-0.04	-0.45	2.09e-04	2.14e-04	0.0
212	5	0.02	-9.22e-03	-0.42	5.00e-05	2.25e-04	0.0
212	8	6.42e-04	-0.06	-0.44	2.98e-04	2.15e-04	0.0
212	12	4.23e-04	-0.03	-0.34	1.25e-04	1.62e-04	0.0
212	13	0.01	-6.98e-03	-0.32	1.89e-05	1.69e-04	0.0
212	16	4.49e-04	-0.04	-0.33	1.84e-04	1.62e-04	0.0
212	17	3.46e-04	-6.65e-03	-0.32	1.41e-05	1.50e-04	0.0
212	21	3.08e-03	-6.71e-03	-0.31	1.13e-05	1.52e-04	0.0
212	24	3.58e-04	-0.01	-0.32	4.43e-05	1.50e-04	0.0
212	25	3.48e-04	-6.60e-03	-0.32	1.12e-05	1.48e-04	0.0
212	41	0.01	-2.14e-05	-0.30	-5.37e-05	1.69e-04	0.0
212	43	-4.73e-03	-0.03	-0.33	2.19e-04	1.53e-04	0.0
212	45	-4.73e-03	-0.03	-0.33	2.19e-04	1.53e-04	0.0
212	73	6.37e-03	-3.50e-03	-0.31	-1.97e-05	1.58e-04	0.0
212	77	-2.12e-03	-0.02	-0.32	1.10e-04	1.50e-04	0.0
212	85	1.40e-03	-0.02	-0.32	1.10e-04	1.57e-04	0.0
213	2	-0.01	-8.84e-03	-0.45	6.14e-05	1.92e-04	0.0
213	5	0.02	-9.22e-03	-0.42	5.04e-05	2.24e-04	0.0
213	8	3.44e-04	-0.06	-0.43	2.99e-04	2.13e-04	0.0
213	10	-7.74e-03	-6.71e-03	-0.34	2.66e-05	1.46e-04	0.0
213	13	0.01	-6.98e-03	-0.32	1.93e-05	1.67e-04	0.0
213	16	2.45e-04	-0.04	-0.33	1.85e-04	1.60e-04	0.0
213	17	2.78e-04	-6.65e-03	-0.32	1.47e-05	1.48e-04	0.0
213	21	3.00e-03	-6.71e-03	-0.31	1.18e-05	1.50e-04	0.0

213	24	2.64e-04	-0.01	-0.32	4.48e-05	1.49e-04	0.0
213	25	2.80e-04	-6.60e-03	-0.32	1.17e-05	1.47e-04	0.0
213	28	-0.01	-0.01	-0.33	7.73e-05	1.26e-04	0.0
213	41	0.01	-2.11e-05	-0.31	-5.31e-05	1.67e-04	0.0
213	43	-4.91e-03	-0.03	-0.31	2.20e-04	1.51e-04	0.0
213	60	-5.58e-03	-9.16e-03	-0.32	4.29e-05	1.36e-04	0.0
213	73	6.32e-03	-3.50e-03	-0.31	-1.92e-05	1.57e-04	0.0
213	85	1.28e-03	-0.02	-0.31	1.10e-04	1.56e-04	0.0
214	3	5.41e-04	0.02	-0.45	-8.98e-05	1.92e-04	0.0
214	5	0.02	-9.23e-03	-0.42	5.25e-05	2.22e-04	0.0
214	8	5.31e-06	-0.06	-0.42	3.01e-04	2.10e-04	0.0
214	11	3.67e-04	9.64e-03	-0.34	-7.39e-05	1.46e-04	0.0
214	13	0.01	-6.99e-03	-0.32	2.10e-05	1.66e-04	0.0
214	16	1.35e-05	-0.04	-0.32	1.87e-04	1.58e-04	0.0
214	17	2.02e-04	-6.65e-03	-0.32	1.66e-05	1.47e-04	0.0
214	21	2.92e-03	-6.71e-03	-0.31	1.35e-05	1.49e-04	0.0
214	24	1.58e-04	-0.01	-0.31	4.66e-05	1.47e-04	0.0
214	25	2.04e-04	-6.60e-03	-0.32	1.35e-05	1.45e-04	0.0
214	33	-0.01	-5.13e-04	-0.33	-4.52e-05	1.18e-04	0.0
214	39	0.01	-2.05e-05	-0.31	-5.14e-05	1.66e-04	0.0
214	43	-5.13e-03	-0.03	-0.31	2.21e-04	1.49e-04	0.0
214	65	-5.31e-03	-3.67e-03	-0.32	-1.44e-05	1.32e-04	0.0
214	71	6.28e-03	-3.50e-03	-0.31	-1.74e-05	1.55e-04	0.0
214	85	1.14e-03	-0.02	-0.31	1.11e-04	1.54e-04	0.0
215	3	5.11e-04	0.02	-0.45	-7.85e-05	1.91e-04	0.0
215	5	0.02	-9.23e-03	-0.41	6.05e-05	2.19e-04	0.0
215	8	-7.55e-04	-0.06	-0.40	3.09e-04	2.07e-04	0.0
215	11	3.35e-04	9.65e-03	-0.34	-6.56e-05	1.46e-04	0.0
215	13	0.01	-6.99e-03	-0.32	2.71e-05	1.64e-04	0.0
215	16	-5.06e-04	-0.04	-0.31	1.93e-04	1.56e-04	0.0
215	21	2.74e-03	-6.71e-03	-0.31	1.96e-05	1.48e-04	0.0
215	23	1.42e-04	-1.11e-03	-0.32	-1.43e-05	1.42e-04	0.0
215	24	-7.94e-05	-0.01	-0.31	5.27e-05	1.46e-04	0.0
215	25	3.52e-05	-6.60e-03	-0.31	1.98e-05	1.44e-04	0.0
215	39	0.01	-1.85e-05	-0.31	-4.59e-05	1.65e-04	0.0
215	43	-5.69e-03	-0.03	-0.30	2.28e-04	1.48e-04	0.0
215	49	-1.41e-03	0.01	-0.33	-1.86e-04	1.26e-04	0.0
215	71	6.19e-03	-3.50e-03	-0.31	-1.15e-05	1.54e-04	0.0
215	81	-6.82e-04	3.54e-03	-0.32	-7.80e-05	1.35e-04	0.0
215	85	7.92e-04	-0.02	-0.30	1.18e-04	1.53e-04	0.0
216	6	-0.02	-8.58e-03	-0.43	6.75e-05	1.76e-04	0.0
216	7	1.09e-03	0.03	-0.46	-1.82e-04	1.81e-04	0.0
216	8	-1.47e-03	-0.06	-0.38	3.12e-04	2.06e-04	0.0
216	14	-0.01	-6.54e-03	-0.32	3.20e-05	1.36e-04	0.0
216	15	7.41e-04	0.02	-0.35	-1.36e-04	1.39e-04	0.0
216	16	-9.95e-04	-0.04	-0.29	1.95e-04	1.56e-04	0.0
216	22	-2.78e-03	-6.55e-03	-0.31	2.23e-05	1.42e-04	0.0
216	23	2.69e-05	-1.11e-03	-0.32	-1.21e-05	1.43e-04	0.0
216	24	-3.03e-04	-0.01	-0.31	5.49e-05	1.46e-04	0.0
216	25	-1.24e-04	-6.60e-03	-0.31	2.20e-05	1.44e-04	0.0
216	27	-0.01	-0.01	-0.31	8.83e-05	1.24e-04	0.0
216	43	-6.31e-03	-0.03	-0.28	2.30e-04	1.48e-04	0.0
216	49	-1.16e-03	0.01	-0.35	-1.84e-04	1.26e-04	0.0
216	59	-6.34e-03	-9.76e-03	-0.31	5.36e-05	1.34e-04	0.0
216	81	-6.40e-04	3.54e-03	-0.33	-7.60e-05	1.36e-04	0.0
216	85	4.24e-04	-0.02	-0.30	1.20e-04	1.53e-04	0.0

217	3	6.61e-04	0.02	-0.36	-1.30e-04	-2.92e-04	0.0
217	5	0.02	-5.25e-03	-0.35	1.16e-05	-2.71e-04	0.0
217	8	-8.25e-05	-0.05	-0.33	2.56e-04	-3.03e-04	0.0
217	11	4.55e-04	9.81e-03	-0.28	-1.01e-04	-2.19e-04	0.0
217	13	0.01	-4.17e-03	-0.27	-6.03e-06	-2.05e-04	0.0
217	16	-3.72e-05	-0.03	-0.25	1.57e-04	-2.26e-04	0.0
217	17	2.49e-04	-4.35e-03	-0.26	-1.11e-05	-2.14e-04	0.0
217	21	2.96e-03	-4.20e-03	-0.26	-1.41e-05	-2.08e-04	0.0
217	24	1.84e-04	-9.82e-03	-0.25	1.84e-05	-2.13e-04	0.0
217	25	2.50e-04	-4.31e-03	-0.26	-1.42e-05	-2.11e-04	0.0
217	39	0.01	1.83e-04	-0.27	-7.35e-05	-1.86e-04	0.0
217	40	0.01	1.36e-03	-0.27	-7.52e-05	-1.86e-04	0.0
217	50	3.30e-03	-0.02	-0.25	1.95e-04	-2.14e-04	0.0
217	70	6.16e-03	-1.56e-03	-0.26	-4.32e-05	-1.99e-04	0.0
217	71	6.35e-03	-2.12e-03	-0.26	-4.24e-05	-1.99e-04	0.0
217	76	-1.77e-03	-0.01	-0.25	8.48e-05	-2.19e-04	0.0
218	4	8.51e-04	-0.03	-0.37	1.60e-04	-3.16e-04	0.0
218	5	0.02	-5.26e-03	-0.35	0.0	-2.78e-04	0.0
218	8	9.79e-04	-0.05	-0.37	2.48e-04	-3.12e-04	0.0
218	12	5.92e-04	-0.02	-0.28	9.17e-05	-2.36e-04	0.0
218	13	0.01	-4.18e-03	-0.27	-1.44e-05	-2.10e-04	0.0
218	16	6.78e-04	-0.03	-0.28	1.50e-04	-2.33e-04	0.0
218	17	4.24e-04	-4.35e-03	-0.26	-1.78e-05	-2.19e-04	0.0
218	21	3.16e-03	-4.21e-03	-0.25	-2.08e-05	-2.13e-04	0.0
218	24	4.66e-04	-9.82e-03	-0.26	1.22e-05	-2.18e-04	0.0
218	25	4.26e-04	-4.31e-03	-0.25	-2.06e-05	-2.16e-04	0.0
218	37	0.01	-9.21e-03	-0.27	3.89e-05	-1.98e-04	0.0
218	50	4.51e-03	-0.02	-0.28	1.89e-04	-2.21e-04	0.0
218	52	4.51e-03	-0.02	-0.28	1.89e-04	-2.21e-04	0.0
218	69	6.50e-03	-6.59e-03	-0.26	7.70e-06	-2.07e-04	0.0
218	76	-1.06e-03	-0.01	-0.26	7.95e-05	-2.25e-04	0.0
218	82	2.44e-03	-0.01	-0.27	7.89e-05	-2.18e-04	0.0
219	4	7.02e-04	-0.03	-0.36	1.60e-04	-3.16e-04	0.0
219	5	0.02	-5.26e-03	-0.35	0.0	-2.77e-04	0.0
219	8	7.66e-04	-0.05	-0.36	2.48e-04	-3.12e-04	0.0
219	12	4.92e-04	-0.02	-0.28	9.20e-05	-2.35e-04	0.0
219	13	0.01	-4.18e-03	-0.27	-1.41e-05	-2.10e-04	0.0
219	16	5.35e-04	-0.03	-0.27	1.51e-04	-2.33e-04	0.0
219	17	3.90e-04	-4.35e-03	-0.26	-1.76e-05	-2.18e-04	0.0
219	21	3.12e-03	-4.21e-03	-0.25	-2.05e-05	-2.13e-04	0.0
219	24	4.10e-04	-9.82e-03	-0.26	1.25e-05	-2.18e-04	0.0
219	25	3.92e-04	-4.31e-03	-0.25	-2.04e-05	-2.16e-04	0.0
219	37	0.01	-9.21e-03	-0.27	3.91e-05	-1.97e-04	0.0
219	50	4.49e-03	-0.02	-0.27	1.89e-04	-2.20e-04	0.0
219	52	4.49e-03	-0.02	-0.27	1.89e-04	-2.20e-04	0.0
219	69	6.46e-03	-6.59e-03	-0.26	7.95e-06	-2.06e-04	0.0
219	76	-1.10e-03	-0.01	-0.26	7.97e-05	-2.24e-04	0.0
219	82	2.41e-03	-0.01	-0.26	7.91e-05	-2.18e-04	0.0
220	4	5.55e-04	-0.03	-0.36	1.60e-04	-3.14e-04	0.0
220	5	0.02	-5.26e-03	-0.35	1.41e-06	-2.76e-04	0.0
220	8	5.56e-04	-0.05	-0.35	2.48e-04	-3.10e-04	0.0
220	12	3.92e-04	-0.02	-0.27	9.24e-05	-2.34e-04	0.0
220	13	0.01	-4.18e-03	-0.27	-1.36e-05	-2.08e-04	0.0
220	16	3.93e-04	-0.03	-0.27	1.51e-04	-2.31e-04	0.0
220	17	3.55e-04	-4.35e-03	-0.26	-1.73e-05	-2.17e-04	0.0
220	21	3.08e-03	-4.21e-03	-0.25	-2.02e-05	-2.12e-04	0.0

220	24	3.54e-04	-9.82e-03	-0.26	1.27e-05	-2.16e-04	0.0
220	25	3.57e-04	-4.31e-03	-0.25	-2.01e-05	-2.14e-04	0.0
220	37	0.01	-9.21e-03	-0.27	3.94e-05	-1.96e-04	0.0
220	50	3.25e-03	-0.02	-0.27	1.89e-04	-2.19e-04	0.0
220	52	3.25e-03	-0.02	-0.27	1.89e-04	-2.19e-04	0.0
220	69	6.43e-03	-6.59e-03	-0.26	8.23e-06	-2.05e-04	0.0
220	76	-1.71e-03	-0.01	-0.26	7.98e-05	-2.23e-04	0.0
220	82	1.80e-03	-0.01	-0.26	7.93e-05	-2.16e-04	0.0
221	1	0.01	-5.43e-03	-0.36	1.42e-05	-2.92e-04	0.0
221	5	0.02	-5.25e-03	-0.35	3.17e-06	-2.74e-04	0.0
221	8	3.44e-04	-0.05	-0.34	2.49e-04	-3.07e-04	0.0
221	9	8.40e-03	-4.30e-03	-0.27	-4.98e-06	-2.19e-04	0.0
221	13	0.01	-4.17e-03	-0.27	-1.23e-05	-2.07e-04	0.0
221	16	2.51e-04	-0.03	-0.26	1.52e-04	-2.29e-04	0.0
221	17	3.20e-04	-4.35e-03	-0.26	-1.63e-05	-2.16e-04	0.0
221	21	3.04e-03	-4.21e-03	-0.26	-1.92e-05	-2.11e-04	0.0
221	24	2.98e-04	-9.82e-03	-0.25	1.36e-05	-2.15e-04	0.0
221	25	3.22e-04	-4.31e-03	-0.25	-1.91e-05	-2.13e-04	0.0
221	37	0.01	-9.21e-03	-0.27	4.04e-05	-1.94e-04	0.0
221	39	0.01	1.81e-04	-0.26	-8.17e-05	-1.87e-04	0.0
221	50	3.29e-03	-0.02	-0.25	1.89e-04	-2.17e-04	0.0
221	67	5.89e-03	-6.59e-03	-0.26	9.19e-06	-2.04e-04	0.0
221	71	6.37e-03	-2.12e-03	-0.26	-4.89e-05	-2.01e-04	0.0
221	76	-1.72e-03	-0.01	-0.25	8.05e-05	-2.21e-04	0.0
222	3	6.51e-04	0.02	-0.36	-1.35e-04	-2.93e-04	0.0
222	5	0.02	-5.25e-03	-0.35	7.29e-06	-2.72e-04	0.0
222	8	1.03e-04	-0.05	-0.34	2.52e-04	-3.05e-04	0.0
222	11	4.50e-04	9.81e-03	-0.27	-1.04e-04	-2.20e-04	0.0
222	13	0.01	-4.17e-03	-0.27	-9.25e-06	-2.06e-04	0.0
222	16	8.77e-05	-0.03	-0.26	1.54e-04	-2.27e-04	0.0
222	17	2.80e-04	-4.35e-03	-0.26	-1.38e-05	-2.15e-04	0.0
222	21	2.99e-03	-4.21e-03	-0.26	-1.68e-05	-2.09e-04	0.0
222	24	2.34e-04	-9.82e-03	-0.25	1.59e-05	-2.14e-04	0.0
222	25	2.81e-04	-4.31e-03	-0.26	-1.68e-05	-2.12e-04	0.0
222	40	0.01	1.35e-03	-0.27	-8.07e-05	-1.87e-04	0.0
222	41	0.01	1.82e-04	-0.27	-7.90e-05	-1.86e-04	0.0
222	50	3.31e-03	-0.02	-0.25	1.91e-04	-2.15e-04	0.0
222	71	6.36e-03	-2.12e-03	-0.26	-4.64e-05	-1.99e-04	0.0
222	72	6.18e-03	-1.56e-03	-0.26	-4.72e-05	-2.00e-04	0.0
222	76	-1.74e-03	-0.01	-0.25	8.26e-05	-2.20e-04	0.0
223	5	0.02	-5.24e-03	-0.35	1.85e-05	-2.71e-04	0.0
223	7	1.10e-03	0.03	-0.37	-2.29e-04	-2.77e-04	0.0
223	8	-4.52e-04	-0.05	-0.32	2.62e-04	-3.01e-04	0.0
223	13	0.01	-4.17e-03	-0.27	0.0	-2.05e-04	0.0
223	15	7.49e-04	0.02	-0.28	-1.68e-04	-2.09e-04	0.0
223	16	-2.87e-04	-0.03	-0.25	1.61e-04	-2.25e-04	0.0
223	21	2.89e-03	-4.20e-03	-0.26	-9.73e-06	-2.08e-04	0.0
223	23	2.83e-04	4.72e-04	-0.26	-4.39e-05	-2.09e-04	0.0
223	24	8.49e-05	-9.82e-03	-0.25	2.27e-05	-2.12e-04	0.0
223	25	1.87e-04	-4.31e-03	-0.26	-9.88e-06	-2.11e-04	0.0
223	39	0.01	1.83e-04	-0.27	-6.90e-05	-1.86e-04	0.0
223	50	3.26e-03	-0.02	-0.24	2.00e-04	-2.12e-04	0.0
223	54	4.42e-03	0.01	-0.28	-2.18e-04	-1.96e-04	0.0
223	71	6.34e-03	-2.12e-03	-0.26	-3.80e-05	-1.98e-04	0.0
223	76	-1.83e-03	-0.01	-0.25	8.92e-05	-2.18e-04	0.0
223	86	2.24e-03	5.05e-03	-0.27	-1.09e-04	-2.04e-04	0.0

224	5	0.02	-5.24e-03	-0.35	2.18e-05	-2.71e-04	0.0
224	7	1.34e-03	0.03	-0.38	-2.25e-04	-2.78e-04	0.0
224	8	-9.65e-04	-0.05	-0.30	2.64e-04	-3.01e-04	0.0
224	13	0.01	-4.17e-03	-0.27	1.51e-06	-2.05e-04	0.0
224	15	9.11e-04	0.02	-0.29	-1.65e-04	-2.10e-04	0.0
224	16	-6.33e-04	-0.03	-0.24	1.63e-04	-2.25e-04	0.0
224	21	2.79e-03	-4.20e-03	-0.26	-7.51e-06	-2.09e-04	0.0
224	23	2.29e-04	4.72e-04	-0.26	-4.17e-05	-2.10e-04	0.0
224	24	-5.24e-05	-9.82e-03	-0.25	2.48e-05	-2.13e-04	0.0
224	25	1.00e-04	-4.31e-03	-0.26	-7.69e-06	-2.11e-04	0.0
224	39	0.01	1.84e-04	-0.28	-6.68e-05	-1.86e-04	0.0
224	50	3.14e-03	-0.02	-0.23	2.02e-04	-2.12e-04	0.0
224	54	4.43e-03	0.01	-0.29	-2.16e-04	-1.97e-04	0.0
224	71	6.33e-03	-2.12e-03	-0.27	-3.58e-05	-1.99e-04	0.0
224	76	-1.95e-03	-0.01	-0.24	9.16e-05	-2.18e-04	0.0
224	86	2.18e-03	5.05e-03	-0.27	-1.07e-04	-2.04e-04	0.0

Nodo	**Traslazione X**	**Traslazione Y**	**Traslazione Z**	**Rotazione X**	**Rotazione Y**	**Rotazione Z**
	-0.07	-0.37	-0.54	-1.45e-03	-2.34e-03	-4.74e-04
	0.05	0.49	0.0	1.45e-03	2.16e-03	5.80e-04

Nodo	**Cmb**	**Azione X**	**Azione Y**	**Azione Z**	**Azione RX**	**Azione RY**	**Azione RZ**
		kN	kN	kN	kN m	kN m	kN m

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**
		kN	kN	kN	kN m	kN m	kN m
3	2	-0.90	0.72	-27.01	-3.32	-0.56	0.27
	54	0.30	2.79	-10.35	-12.85	0.11	-0.21
	7	-0.13	13.35	-19.74	-23.47	-0.28	-0.05
	8	0.14	-6.44	-20.54	10.65	0.26	0.36
	31	-1.78	1.09	-10.67	-5.00	-0.80	0.45
	35	1.95	0.03	-10.97	-0.13	0.86	-0.18
4	4	-0.11	-0.24	-27.27	-6.11	-0.17	-0.10
	55	0.53	1.94	-9.41	-8.60	0.24	0.06
	7	-0.02	10.49	-15.84	-18.20	-0.15	0.13
	16	-0.09	-1.06	-17.93	-3.17	-0.12	-0.10
	6	-4.01	2.09	-22.92	-9.61	-4.29	0.10
	5	9.56	2.03	-18.49	-9.34	7.42	-0.07
19	4	0.10	-0.25	-24.16	-4.90	0.18	0.29
	46	-0.78	2.02	-7.94	-7.25	-0.45	0.02
	7	-0.19	9.39	-13.42	-15.21	-0.27	-0.03
	16	0.10	-0.91	-16.19	-2.52	0.20	0.25
	6	-9.45	1.67	-16.02	-7.70	-7.50	0.24
	5	3.98	1.73	-20.58	-7.95	4.21	0.07
21	1	0.77	0.70	-29.04	-3.22	0.46	-0.12
	46	-0.88	2.83	-10.82	-13.02	-0.27	0.24
	7	-0.27	14.59	-20.70	-25.20	-0.18	0.09
	8	-0.11	-7.16	-22.00	11.97	-0.13	-0.12
	6	-2.41	0.68	-21.64	-3.12	-0.94	0.13
	38	1.51	1.16	-11.08	-5.35	0.68	-0.38

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.

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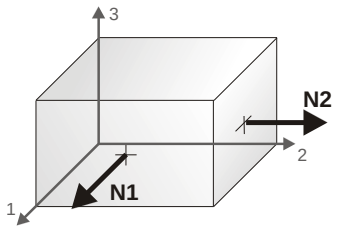
<td> 
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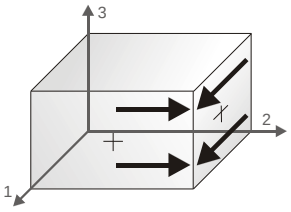
<td> 
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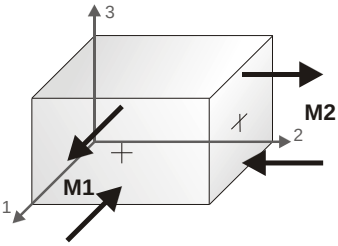
<td> 
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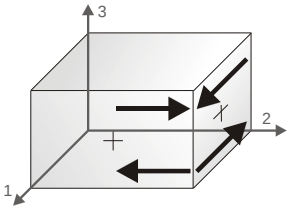
M</td>
<td> 
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 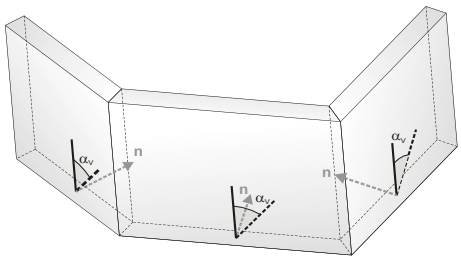
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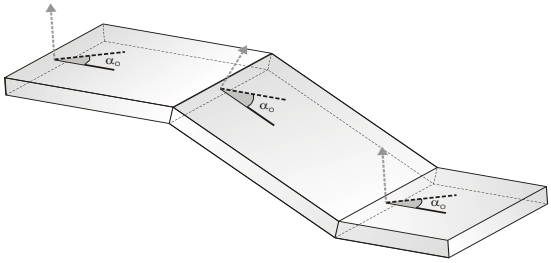
<td colspan="3">orientamento per stampa gusci
  </td>
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</table>

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	kN/ m	kN/ m	kN/ m	kN/ m	kN/ m	kN	kN	kN	kN	kN
1	8	149	0.47	1.48	-0.38	1.36	-0.26	-0.46	0.06	-1.86	-1.59	-0.21	-0.67
		29	1.04	0.68	-0.84	0.23	-0.38	0.70	0.08	-4.25	-4.18	0.01	-0.55
		28	1.89	0.82	-1.50	-0.15	-0.53	1.14	2.12	-6.44	-4.23	-0.09	-3.75
		150	1.38	0.18	-0.72	0.18	-0.71	0.06	2.63	-3.96	-1.48	0.15	-3.19
1	16	149	0.35	1.02	-0.26	0.94	-0.17	-0.32	0.04	-1.40	-1.22	-0.15	-0.48
		29	0.77	0.47	-0.57	0.16	-0.26	0.48	0.06	-3.16	-3.11	8.17e-03	-0.39
		28	1.37	0.57	-1.02	-0.09	-0.36	0.78	1.50	-4.72	-3.14	-0.08	-2.71
		150	1.00	0.13	-0.49	0.13	-0.49	0.04	1.86	-2.90	-1.14	0.10	-2.30
1	24	149	0.37	0.43	-0.07	0.40	-0.05	-0.11	-7.41e-03	-1.52	-1.39	-0.13	-0.42
		29	0.82	0.21	-0.21	0.10	-0.10	0.19	0.06	-3.37	-3.33	0.02	-0.34
		28	1.25	0.25	-0.36	0.02	-0.12	0.29	1.08	-4.54	-3.37	-0.09	-2.29
		150	0.89	0.10	-0.20	0.10	-0.20	0.02	1.48	-2.71	-1.31	0.08	-1.98
1	25	149	0.37	0.28	-0.03	0.27	-0.01	-0.06	-0.01	-1.55	-1.43	-0.13	-0.41
		29	0.83	0.14	-0.13	0.08	-0.06	0.11	0.06	-3.40	-3.37	0.02	-0.33
		28	1.23	0.17	-0.19	0.04	-0.07	0.17	1.00	-4.51	-3.41	-0.10	-2.21
		150	0.86	0.10	-0.13	0.10	-0.13	0.01	1.40	-2.68	-1.36	0.08	-1.91
1	50	149	0.45	0.83	-0.11	0.76	-0.04	-0.24	0.65	-1.47	-0.80	-9.83e-03	-0.98
		29	0.79	0.31	-0.40	0.25	-0.33	0.21	0.43	-3.01	-2.74	0.16	-0.92
		28	1.35	0.60	-0.40	0.42	-0.23	0.38	1.69	-4.49	-2.81	0.01	-2.75
		150	1.04	0.66	-0.22	0.66	-0.22	-0.05	2.19	-2.79	-0.77	0.16	-2.44
1	82	149	0.39	0.54	-0.06	0.50	-0.03	-0.14	0.26	-1.47	-1.14	-0.07	-0.68
		29	0.80	0.22	-0.25	0.16	-0.19	0.16	0.20	-3.19	-3.07	0.09	-0.61
		28	1.28	0.37	-0.29	0.22	-0.14	0.27	1.32	-4.49	-3.13	-0.05	-2.46
		150	0.94	0.36	-0.17	0.36	-0.17	-0.02	1.77	-2.73	-1.08	0.12	-2.17
2	8	150	1.29	0.24	-1.41	0.20	-1.37	-0.25	2.36	-3.78	-1.61	0.18	-2.94
		28	1.77	0.96	-2.32	-0.34	-1.02	1.60	1.81	-6.09	-4.22	-0.05	-3.35
		31	1.99	0.34	-3.10	-0.44	-2.32	1.44	2.31	-6.67	-4.51	0.15	-3.84
		151	1.51	-0.31	-1.84	-0.36	-1.79	0.27	2.94	-4.20	-1.97	0.72	-3.31
2	16	150	0.93	0.17	-0.97	0.14	-0.94	-0.17	1.66	-2.78	-1.23	0.12	-2.12
		28	1.28	0.67	-1.59	-0.22	-0.70	1.10	1.28	-4.46	-3.14	-0.05	-2.42
		31	1.44	0.25	-2.13	-0.29	-1.60	0.99	1.60	-4.90	-3.36	0.06	-2.77
		151	1.09	-0.20	-1.26	-0.23	-1.23	0.18	2.06	-3.09	-1.51	0.48	-2.38

2	24	150	0.83	0.10	-0.35	0.09	-0.33	-0.07	1.31	-2.62	-1.40	0.09	-1.82
		28	1.17	0.32	-0.61	-0.02	-0.27	0.45	0.90	-4.33	-3.35	-0.07	-2.04
		31	1.30	0.16	-0.83	-7.52e-03	-0.66	0.38	1.19	-4.67	-3.51	0.02	-2.34
		151	0.96	0.03	-0.47	0.03	-0.47	0.04	1.71	-2.83	-1.59	0.47	-2.03
2	25	150	0.81	0.08	-0.19	0.08	-0.18	-0.04	1.24	-2.59	-1.44	0.08	-1.76
		28	1.15	0.24	-0.37	0.03	-0.16	0.29	0.83	-4.30	-3.39	-0.08	-1.96
		31	1.28	0.15	-0.52	0.06	-0.43	0.23	1.10	-4.64	-3.54	-5.14e-03	-2.26
		151	0.93	0.09	-0.28	0.09	-0.28	5.15e-03	1.63	-2.81	-1.63	0.45	-1.95
2	50	150	1.14	0.76	-0.57	0.67	-0.48	-0.34	2.60	-2.87	-0.78	0.51	-2.65
		28	1.42	0.45	-0.42	0.39	-0.36	0.22	2.15	-4.50	-2.73	0.39	-2.94
		31	1.56	0.24	-0.92	0.20	-0.87	0.22	2.30	-4.96	-3.04	0.38	-3.21
		151	1.24	0.30	-0.70	0.29	-0.69	-0.11	2.80	-3.18	-1.15	0.78	-2.83
2	82	150	0.96	0.40	-0.37	0.36	-0.33	-0.18	1.87	-2.71	-1.13	0.29	-2.18
		28	1.27	0.31	-0.37	0.20	-0.26	0.26	1.44	-4.38	-3.08	0.14	-2.43
		31	1.40	0.19	-0.70	0.12	-0.64	0.23	1.66	-4.78	-3.30	0.18	-2.71
		151	1.08	0.19	-0.48	0.18	-0.48	-0.04	2.18	-2.97	-1.40	0.61	-2.37
3	4	151	1.48	-0.62	-2.12	-1.04	-1.70	-0.67	2.07	-4.77	-3.05	0.35	-2.97
		31	1.94	1.97	-2.74	1.16	-1.92	1.78	2.52	-6.21	-3.81	0.12	-3.90
		33	2.21	-1.45	-4.45	-2.18	-3.72	-1.29	1.84	-7.95	-5.50	-0.61	-4.24
		152	2.10	0.82	-1.66	-0.20	-0.63	1.22	5.54	-4.33	-1.99	3.20	-4.20
3	12	151	1.07	-0.44	-1.48	-0.74	-1.18	-0.47	1.44	-3.51	-2.29	0.22	-2.13
		31	1.41	1.40	-1.89	0.84	-1.34	1.23	1.77	-4.56	-2.84	0.06	-2.82
		33	1.61	-1.00	-3.13	-1.52	-2.61	-0.91	1.24	-5.85	-4.09	-0.51	-3.06
		152	1.52	0.60	-1.10	-0.08	-0.42	0.83	3.97	-3.18	-1.49	2.28	-3.04
3	24	151	0.97	-0.29	-0.88	-0.51	-0.66	-0.28	1.29	-3.19	-2.20	0.30	-1.86
		31	1.27	0.97	-1.00	0.70	-0.74	0.68	1.45	-4.27	-2.96	0.14	-2.40
		33	1.46	-0.53	-1.94	-0.87	-1.61	-0.60	1.08	-5.39	-4.08	-0.23	-2.60
		152	1.40	0.51	-0.35	0.29	-0.12	0.38	3.98	-2.63	-1.21	2.55	-2.72
3	25	151	0.95	-0.21	-0.60	-0.40	-0.41	-0.19	1.21	-3.16	-2.23	0.28	-1.79
		31	1.24	0.77	-0.59	0.63	-0.45	0.41	1.36	-4.24	-2.99	0.11	-2.33
		33	1.44	-0.31	-1.38	-0.55	-1.13	-0.45	0.99	-5.37	-4.10	-0.28	-2.54
		152	1.38	0.53	-0.03	0.47	0.02	0.17	3.91	-2.62	-1.27	2.55	-2.65
3	42	151	1.31	1.02	-1.61	0.28	-0.87	-1.19	3.03	-3.15	-1.49	1.37	-2.74
		31	1.63	0.52	-1.52	0.36	-1.37	0.54	3.11	-4.54	-2.30	0.87	-3.48
		33	1.86	0.36	-2.45	-0.17	-1.92	-1.10	2.58	-6.04	-3.83	0.37	-3.76
		152	1.80	0.03	-0.76	-7.85e-03	-0.72	0.17	5.41	-3.09	-0.97	3.28	-3.68
3	74	151	1.11	0.37	-1.07	-0.08	-0.63	-0.67	2.07	-3.15	-1.88	0.80	-2.24
		31	1.41	0.65	-1.03	0.50	-0.89	0.48	2.18	-4.37	-2.66	0.47	-2.88
		33	1.63	7.80e-03	-1.89	-0.37	-1.51	-0.76	1.74	-5.68	-3.97	0.03	-3.12
		152	1.57	0.29	-0.38	0.24	-0.33	0.17	4.62	-2.84	-1.12	2.90	-3.14
4	6	152	4.41	1.82	-1.32	1.27	-0.77	1.19	1.63	-17.49	-15.93	0.07	5.23
		33	5.03	0.38	-0.14	-0.06	0.29	-0.20	16.17	-7.44	2.89	5.84	-11.71
		35	6.02	2.18	-0.25	2.18	-0.24	-0.13	-1.72	-25.83	-4.20	-23.35	7.32
		17	15.32	2.23	-0.66	2.22	-0.65	-0.15	56.89	-12.14	16.24	28.51	-33.96
4	14	152	3.22	1.21	-0.93	0.85	-0.57	0.80	1.13	-12.77	-11.63	-7.39e-03	3.81
		33	3.65	0.19	-0.09	-0.07	0.17	-0.06	11.68	-5.52	1.97	4.19	-8.53
		35	4.41	1.54	-0.22	1.53	-0.21	-0.16	-1.37	-18.98	-3.18	-17.18	5.35
		17	11.15	1.55	-0.50	1.55	-0.50	-2.49e-03	41.32	-8.99	11.55	20.78	-24.72
4	22	152	2.67	0.26	-0.56	0.21	-0.51	0.20	1.09	-10.51	-9.58	0.15	3.15
		33	3.25	0.31	-0.66	-0.25	-0.11	0.48	10.03	-5.30	0.76	3.97	-7.49
		35	3.91	0.99	-0.54	0.82	-0.37	-0.48	-2.18	-17.25	-3.69	-15.74	4.52
		17	10.02	1.09	-0.85	0.82	-0.58	0.67	36.93	-8.17	8.09	20.67	-21.66
4	25	152	2.55	0.05	-0.51	0.05	-0.50	0.04	1.05	-10.04	-9.16	0.17	3.01
		33	3.19	0.39	-0.86	-0.29	-0.18	0.62	9.69	-5.34	0.47	3.88	-7.32
		35	3.84	0.89	-0.66	0.65	-0.41	-0.56	-2.35	-17.03	-3.78	-15.60	4.35
		17	9.82	1.07	-1.03	0.65	-0.61	0.84	36.01	-8.26	7.13	20.63	-21.08

4	42	152	2.83	0.68	-2.00	0.02	-1.34	-1.16	5.02	-8.33	-8.16	4.85	1.48
		33	3.56	1.37	-1.67	-0.02	-0.28	1.51	10.40	-6.29	0.47	3.64	-8.19
		35	3.17	2.24	-2.20	0.77	-0.73	-2.09	-3.04	-14.42	-3.14	-14.32	1.10
		17	10.95	2.48	-3.37	0.79	-1.69	2.65	40.57	-8.16	8.95	23.45	-23.26
4	74	152	2.62	0.27	-1.14	0.03	-0.90	-0.53	2.84	-9.14	-8.69	2.39	2.28
		33	3.36	0.85	-1.25	-0.16	-0.23	1.05	10.03	-5.79	0.47	3.77	-7.74
		35	3.46	1.51	-1.37	0.71	-0.57	-1.29	-2.83	-15.63	-3.48	-14.99	2.80
		17	10.35	1.74	-2.14	0.71	-1.12	1.71	38.18	-8.21	8.00	21.97	-22.12
5	5	17	12.76	0.85	-2.61	-2.60	0.84	-0.18	0.14	-53.03	-10.79	-42.09	-21.49
		35	5.11	0.05	-1.92	-1.90	0.03	0.21	17.13	-6.55	-5.57	16.15	4.71
		36	3.59	0.07	-1.40	-0.80	-0.53	-0.72	-3.92	-16.43	-12.37	-7.98	-5.86
		153	2.00	2.05	-2.00	-1.13	1.18	1.66	-3.18	-9.38	-3.28	-9.28	0.78
5	13	17	9.25	0.68	-1.66	-1.65	0.67	0.10	0.34	-38.28	-6.92	-31.02	-15.09
		35	3.67	0.08	-1.20	-1.20	0.08	0.01	12.32	-4.72	-4.07	11.67	3.27
		36	2.53	8.55e-03	-0.70	-0.41	-0.28	-0.35	-3.00	-11.66	-8.81	-5.85	-4.07
		153	1.47	1.39	-1.14	-0.62	0.86	1.02	-2.82	-6.96	-2.88	-6.90	0.50
5	21	17	8.40	2.15	-1.00	0.25	0.90	1.55	4.02	-32.64	0.59	-29.21	-10.68
		35	3.25	1.17	-0.49	0.27	0.41	-0.83	11.18	-3.86	-3.64	10.96	1.83
		36	1.86	1.47	-0.28	0.75	0.45	0.86	-2.58	-8.58	-6.45	-4.71	-2.87
		153	1.44	1.13	0.37	0.84	0.66	-0.37	-5.07	-6.54	-5.10	-6.51	-0.21
5	25	17	8.39	2.76	-1.07	0.73	0.96	1.91	5.05	-31.98	2.33	-29.25	-9.66
		35	3.17	1.62	-0.48	0.63	0.51	-1.05	10.96	-3.65	-3.49	10.81	1.49
		36	1.71	2.02	-0.35	1.04	0.63	1.17	-2.57	-7.89	-5.90	-4.56	-2.57
		153	1.50	1.68	0.14	1.19	0.62	-0.71	-5.60	-6.67	-5.75	-6.53	-0.37
5	55	17	7.54	1.04	-0.95	0.78	-0.70	0.66	3.28	-29.63	0.52	-26.87	-9.11
		35	3.99	0.62	-0.48	0.50	-0.36	0.34	12.97	-5.76	-4.33	11.53	4.97
		36	1.73	1.69	-0.78	1.05	-0.14	1.09	-4.25	-8.19	-6.74	-5.70	-1.90
		153	0.95	0.66	-1.36	0.32	-1.02	-0.76	-1.60	-4.45	-4.24	-1.80	0.74
5	87	17	7.98	1.80	-0.88	0.75	0.16	1.31	4.20	-30.87	1.46	-28.13	-9.42
		35	3.52	0.78	-0.12	0.58	0.09	-0.38	11.80	-4.53	-3.89	11.17	3.15
		36	1.71	1.85	-0.54	1.04	0.26	1.13	-3.37	-8.04	-6.31	-5.10	-2.26
		153	1.14	1.18	-0.57	0.78	-0.17	-0.74	-4.24	-5.06	-5.02	-4.27	0.16
6	5	29	1.40	0.91	0.20	0.58	0.53	-0.35	-0.02	-5.83	-5.76	-0.09	-0.65
		38	2.68	-0.59	-3.13	-2.73	-0.99	0.93	0.14	-10.91	-10.90	0.12	-0.40
		37	2.93	0.14	-1.49	-1.00	-0.35	0.74	0.47	-11.97	-11.06	-0.43	-3.23
		28	1.87	0.39	-1.53	-0.99	-0.16	0.87	1.25	-7.08	-5.76	-0.07	-3.04
6	13	29	1.01	0.65	0.14	0.42	0.37	-0.26	-0.01	-4.22	-4.17	-0.07	-0.48
		38	1.94	-0.42	-2.22	-1.94	-0.70	0.66	0.10	-7.92	-7.91	0.09	-0.29
		37	2.13	0.12	-1.04	-0.68	-0.25	0.54	0.35	-8.70	-8.03	-0.32	-2.36
		28	1.36	0.27	-1.07	-0.68	-0.12	0.61	0.92	-5.14	-4.17	-0.06	-2.23
6	21	29	0.88	0.48	0.06	0.32	0.22	-0.21	-7.31e-03	-3.65	-3.59	-0.07	-0.46
		38	1.78	-0.24	-1.45	-1.24	-0.45	0.46	0.10	-7.27	-7.26	0.09	-0.28
		37	1.97	0.21	-0.58	-0.20	-0.17	0.39	0.35	-8.02	-7.38	-0.30	-2.24
		28	1.25	0.17	-0.56	-0.27	-0.12	0.36	0.98	-4.61	-3.57	-0.05	-2.17
6	25	29	0.84	0.45	0.04	0.30	0.19	-0.20	-3.65e-03	-3.49	-3.42	-0.07	-0.46
		38	1.72	-0.20	-1.25	-1.06	-0.39	0.40	0.10	-7.05	-7.04	0.08	-0.28
		37	1.93	0.25	-0.47	-0.07	-0.15	0.36	0.37	-7.82	-7.16	-0.30	-2.23
		28	1.22	0.16	-0.44	-0.16	-0.12	0.30	1.02	-4.48	-3.40	-0.06	-2.18
6	34	29	0.94	1.00	0.12	0.99	0.12	-0.09	0.08	-3.83	-3.71	-0.04	-0.66
		38	1.79	0.17	-0.32	-0.10	-0.06	0.24	0.22	-7.36	-7.32	0.18	-0.54
		37	2.06	0.48	-0.20	0.32	-0.04	0.28	0.58	-8.23	-7.44	-0.20	-2.51
		28	1.34	0.39	-0.32	0.24	-0.17	0.29	1.13	-4.86	-3.70	-0.03	-2.37
6	66	29	0.89	0.67	0.12	0.63	0.16	-0.14	0.03	-3.65	-3.57	-0.05	-0.56
		38	1.76	-0.04	-0.79	-0.60	-0.23	0.33	0.15	-7.20	-7.18	0.13	-0.40
		37	1.99	0.35	-0.33	0.12	-0.10	0.32	0.47	-8.02	-7.30	-0.25	-2.37
		28	1.28	0.25	-0.37	0.03	-0.15	0.30	1.07	-4.67	-3.55	-0.04	-2.27

7	5	28	1.82	0.42	-1.03	-0.60	-4.36e-03	0.66	1.16	-6.91	-5.77	0.01	-2.81
		37	2.85	0.08	-2.26	-1.39	-0.79	1.13	0.16	-11.78	-11.12	-0.50	-2.74
		39	2.84	0.16	-2.15	-1.96	-0.03	0.65	-0.06	-11.78	-10.92	-0.92	-3.05
		31	1.93	0.82	-2.34	-1.15	-0.37	1.53	1.10	-7.34	-5.98	-0.26	-3.10
7	13	28	1.32	0.29	-0.71	-0.41	-0.01	0.46	0.85	-5.02	-4.17	-8.11e-04	-2.06
		37	2.07	0.07	-1.59	-0.96	-0.56	0.80	0.12	-8.56	-8.07	-0.37	-2.00
		39	2.06	0.14	-1.48	-1.32	-0.02	0.48	-0.07	-8.57	-7.93	-0.70	-2.23
		31	1.40	0.57	-1.61	-0.75	-0.29	1.07	0.79	-5.34	-4.33	-0.22	-2.28
7	21	28	1.20	0.16	-0.33	-0.11	-0.07	0.24	0.89	-4.48	-3.58	-6.52e-03	-2.01
		37	1.91	0.13	-0.93	-0.42	-0.39	0.53	0.13	-7.88	-7.40	-0.35	-1.90
		39	1.89	0.27	-0.64	-0.34	-0.03	0.43	-0.02	-7.88	-7.27	-0.62	-2.09
		31	1.27	0.37	-0.77	-0.02	-0.38	0.54	0.94	-4.71	-3.62	-0.14	-2.23
7	25	28	1.18	0.13	-0.24	-0.03	-0.08	0.19	0.93	-4.35	-3.41	-0.01	-2.02
		37	1.86	0.15	-0.78	-0.28	-0.35	0.46	0.15	-7.67	-7.18	-0.34	-1.90
		39	1.85	0.36	-0.48	-0.09	-0.03	0.42	-9.57e-04	-7.67	-7.05	-0.62	-2.08
		31	1.25	0.38	-0.62	0.17	-0.41	0.40	1.00	-4.57	-3.44	-0.14	-2.25
7	50	28	1.53	0.42	-0.25	0.42	-0.25	-0.04	2.25	-4.90	-3.04	0.39	-3.14
		37	2.14	0.22	-0.80	-0.01	-0.57	0.43	1.46	-8.02	-6.74	0.19	-3.24
		39	2.17	0.55	-0.32	0.04	0.19	0.43	1.26	-8.29	-6.87	-0.15	-3.39
		31	1.64	1.07	-0.75	0.94	-0.62	0.47	2.17	-5.35	-3.34	0.16	-3.33
7	82	28	1.33	0.20	-0.18	0.18	-0.16	0.08	1.54	-4.60	-3.24	0.18	-2.55
		37	1.98	0.17	-0.78	-0.16	-0.45	0.45	0.74	-7.81	-6.98	-0.09	-2.53
		39	1.99	0.45	-0.41	-0.03	0.07	0.42	0.57	-7.94	-6.97	-0.40	-2.71
		31	1.43	0.69	-0.67	0.53	-0.51	0.44	1.55	-4.93	-3.39	4.31e-03	-2.76
8	5	31	1.94	0.62	-1.50	-0.75	-0.13	1.01	1.07	-7.43	-6.18	-0.19	-3.01
		39	2.81	0.62	-3.24	-2.24	-0.39	1.70	-0.08	-11.68	-10.84	-0.92	-3.01
		40	2.70	0.74	-1.88	-1.42	0.28	0.99	-1.33	-11.77	-11.13	-1.97	-2.51
		33	2.01	0.45	-3.48	-2.53	-0.50	1.68	1.38	-7.53	-5.64	-0.51	-3.64
8	13	31	1.41	0.42	-1.06	-0.51	-0.13	0.71	0.76	-5.41	-4.48	-0.17	-2.21
		39	2.04	0.45	-2.22	-1.49	-0.27	1.19	-0.07	-8.49	-7.87	-0.70	-2.21
		40	1.95	0.58	-1.31	-0.96	0.23	0.74	-1.02	-8.56	-8.09	-1.49	-1.82
		33	1.46	0.28	-2.32	-1.58	-0.46	1.18	1.00	-5.48	-4.05	-0.43	-2.68
8	21	31	1.27	0.19	-0.66	-0.16	-0.31	0.42	0.84	-4.78	-3.82	-0.12	-2.12
		39	1.88	0.42	-0.88	-0.28	-0.18	0.65	0.02	-7.79	-7.18	-0.59	-2.09
		40	1.79	0.74	-0.65	-0.25	0.34	0.63	-0.95	-7.88	-7.46	-1.37	-1.66
		33	1.37	0.65	-1.19	0.40	-0.95	0.63	1.49	-4.69	-3.11	-0.09	-2.70
8	25	31	1.25	0.16	-0.59	-0.07	-0.36	0.35	0.87	-4.65	-3.65	-0.13	-2.13
		39	1.83	0.46	-0.59	0.03	-0.16	0.51	0.05	-7.57	-6.94	-0.58	-2.09
		40	1.74	0.80	-0.50	-0.08	0.38	0.61	-0.95	-7.66	-7.24	-1.37	-1.64
		33	1.36	1.03	-1.20	0.91	-1.08	0.49	1.62	-4.55	-2.86	-0.07	-2.75
8	50	31	1.69	0.61	-0.82	0.60	-0.81	0.15	2.57	-5.32	-3.44	0.69	-3.36
		39	2.19	0.34	-0.68	0.17	-0.50	0.39	1.49	-8.21	-6.75	0.04	-3.46
		40	2.08	0.85	-0.21	0.14	0.50	0.50	0.47	-8.40	-7.17	-0.77	-3.07
		33	1.86	1.76	-2.21	1.71	-2.16	0.44	3.26	-5.42	-2.84	0.68	-3.97
8	82	31	1.45	0.32	-0.65	0.25	-0.57	0.26	1.67	-4.96	-3.55	0.26	-2.71
		39	1.99	0.38	-0.61	0.09	-0.32	0.45	0.71	-7.85	-6.86	-0.29	-2.74
		40	1.89	0.82	-0.36	0.03	0.44	0.56	-0.30	-7.99	-7.21	-1.08	-2.32
		33	1.60	1.36	-1.67	1.29	-1.60	0.47	2.40	-4.96	-2.86	0.29	-3.33
9	5	33	1.78	-0.58	-2.24	-2.21	-0.61	0.22	-0.38	-7.49	-5.93	-1.94	-2.94
		40	2.78	1.26	-3.61	-1.94	-0.41	2.31	-0.32	-11.70	-10.91	-1.12	-2.90
		41	2.39	0.88	-1.80	-1.80	0.88	-7.43e-03	-2.95	-10.93	-10.48	-3.40	-1.85
		35	2.08	0.46	-4.34	-1.77	-2.11	2.39	0.32	-8.31	-6.71	-1.28	-3.36
9	13	33	1.28	-0.30	-1.41	-1.34	-0.37	0.26	-0.32	-5.45	-4.27	-1.50	-2.16
		40	2.02	0.84	-2.52	-1.32	-0.35	1.61	-0.26	-8.51	-7.93	-0.85	-2.12
		41	1.73	0.69	-1.12	-1.12	0.69	0.07	-2.23	-7.97	-7.65	-2.56	-1.32
		35	1.49	0.38	-3.11	-1.17	-1.56	1.74	0.20	-5.98	-4.77	-1.01	-2.45

9	21	33	1.15	1.27	-0.48	0.61	0.18	0.85	-0.01	-4.69	-3.38	-1.32	-2.10
		40	1.88	0.26	-1.34	-0.45	-0.63	0.80	-0.05	-7.82	-7.26	-0.61	-2.00
		41	1.60	1.07	0.02	0.33	0.76	0.48	-2.07	-7.43	-7.13	-2.36	-1.21
		35	1.32	0.69	-2.15	-0.15	-1.31	1.30	0.91	-4.82	-3.38	-0.53	-2.48
9	25	33	1.14	1.80	-0.36	1.12	0.32	1.00	0.06	-4.55	-3.15	-1.34	-2.12
		40	1.83	0.17	-1.11	-0.24	-0.71	0.60	-4.99e-03	-7.60	-7.03	-0.57	-2.00
		41	1.56	1.33	0.15	0.69	0.79	0.59	-2.07	-7.23	-6.94	-2.36	-1.20
		35	1.28	0.80	-1.96	0.10	-1.26	1.20	1.04	-4.57	-3.03	-0.50	-2.51
9	50	33	1.60	2.85	0.36	2.24	0.97	1.07	1.30	-5.71	-3.47	-0.94	-3.27
		40	2.18	-0.08	-1.04	-0.18	-0.94	0.30	1.47	-8.20	-6.93	0.20	-3.27
		41	1.87	1.78	0.94	0.95	1.77	-0.08	-0.65	-8.06	-7.19	-1.52	-2.38
		35	1.71	1.00	-3.23	3.56e-04	-2.24	1.79	2.03	-5.60	-3.34	-0.22	-3.48
9	82	33	1.36	2.29	-0.02	1.65	0.63	1.03	0.65	-5.10	-3.30	-1.15	-2.67
		40	1.99	0.03	-1.06	-0.21	-0.82	0.45	0.68	-7.87	-6.99	-0.21	-2.60
		41	1.70	1.39	0.69	0.82	1.26	0.27	-1.41	-7.61	-7.06	-1.96	-1.76
		35	1.48	0.89	-2.56	0.06	-1.73	1.48	1.52	-5.06	-3.18	-0.37	-2.97
10	5	35	2.20	1.99	-1.78	-0.92	1.13	1.59	-3.12	-10.17	-6.95	-6.34	-3.51
		41	2.55	-0.24	-2.90	-2.31	-0.83	1.11	-0.32	-10.69	-10.42	-0.60	-1.66
		42	2.37	1.41	-0.32	-0.29	1.39	-0.21	-2.56	-10.86	-10.37	-3.05	-1.94
		36	1.61	0.61	-4.66	-3.07	-0.99	2.42	-3.15	-7.57	-7.34	-3.38	-0.98
10	13	35	1.60	1.62	-1.20	-0.51	0.93	1.21	-2.31	-7.37	-4.95	-4.73	-2.52
		41	1.85	-0.19	-2.01	-1.51	-0.69	0.81	-0.30	-7.80	-7.60	-0.50	-1.20
		42	1.72	0.94	-0.09	-0.08	0.94	-0.05	-1.94	-7.91	-7.56	-2.28	-1.40
		36	1.16	0.54	-3.18	-2.01	-0.63	1.73	-2.44	-5.46	-5.30	-2.59	-0.66
10	21	35	1.38	2.33	-0.32	0.60	1.41	1.26	-1.51	-6.16	-3.55	-4.13	-2.31
		41	1.75	0.21	-1.36	-0.11	-1.04	0.63	-0.17	-7.31	-7.09	-0.38	-1.21
		42	1.61	1.19	-0.18	0.77	0.24	0.63	-1.60	-7.27	-6.92	-1.96	-1.37
		36	0.94	1.06	-1.12	-0.13	0.07	1.08	-2.21	-4.48	-4.31	-2.38	-0.60
10	25	35	1.35	2.55	-0.11	0.89	1.55	1.29	-1.33	-5.97	-3.19	-4.11	-2.27
		41	1.71	0.46	-1.37	0.23	-1.14	0.60	-0.16	-7.12	-6.90	-0.38	-1.22
		42	1.57	1.46	-0.39	0.99	0.08	0.81	-1.56	-7.06	-6.69	-1.92	-1.36
		36	0.90	1.22	-0.66	0.32	0.24	0.94	-2.24	-4.24	-4.06	-2.42	-0.57
10	50	35	1.63	4.24	0.36	1.39	3.21	1.71	-0.03	-6.48	-3.48	-3.03	-3.22
		41	2.00	0.14	-1.84	0.14	-1.84	0.08	0.74	-7.86	-7.14	0.02	-2.38
		42	1.91	1.70	0.48	1.53	0.65	0.42	-0.42	-8.02	-7.03	-1.42	-2.56
		36	1.17	1.20	-1.47	-0.08	-0.20	1.33	-0.68	-5.08	-4.29	-1.47	-1.69
10	82	35	1.47	3.34	0.12	1.13	2.33	1.49	-0.74	-6.19	-3.33	-3.59	-2.72
		41	1.84	0.26	-1.54	0.19	-1.47	0.35	0.24	-7.45	-7.02	-0.19	-1.77
		42	1.72	1.57	0.02	1.25	0.34	0.63	-1.04	-7.50	-6.86	-1.68	-1.93
		36	1.00	1.21	-1.03	0.14	0.03	1.12	-1.51	-4.63	-4.17	-1.96	-1.10
11	5	38	2.65	-0.58	-1.64	-1.40	-0.82	-0.44	-0.26	-11.08	-10.83	-0.51	-1.65
		44	3.91	0.56	-1.82	-1.71	0.46	0.50	0.49	-15.89	-15.88	0.48	-0.46
		43	4.42	-0.19	-1.91	-1.86	-0.24	-0.31	-1.26	-18.88	-18.05	-2.09	-3.72
		37	2.78	-0.01	-1.24	-1.19	-0.06	0.23	0.91	-11.01	-10.00	-0.10	-3.32
11	13	38	1.93	-0.41	-1.19	-1.02	-0.59	-0.33	-0.19	-8.05	-7.86	-0.37	-1.20
		44	2.84	0.41	-1.29	-1.20	0.33	0.36	0.36	-11.54	-11.53	0.35	-0.34
		43	3.22	-0.14	-1.36	-1.32	-0.19	-0.23	-0.90	-13.72	-13.11	-1.51	-2.73
		37	2.02	5.76e-03	-0.86	-0.82	-0.03	0.17	0.66	-8.00	-7.26	-0.08	-2.43
11	21	38	1.77	-0.24	-0.98	-0.79	-0.43	-0.32	-0.18	-7.42	-7.23	-0.36	-1.13
		44	2.69	0.31	-0.79	-0.69	0.21	0.32	0.35	-10.96	-10.95	0.34	-0.32
		43	3.05	-0.10	-0.96	-0.83	-0.23	-0.31	-0.87	-13.04	-12.46	-1.45	-2.59
		37	1.86	0.14	-0.44	-0.36	0.05	0.21	0.66	-7.38	-6.66	-0.06	-2.30
11	25	38	1.72	-0.20	-0.92	-0.73	-0.39	-0.32	-0.17	-7.20	-7.02	-0.36	-1.12
		44	2.63	0.29	-0.67	-0.56	0.18	0.30	0.34	-10.75	-10.74	0.33	-0.31
		43	2.99	-0.07	-0.87	-0.71	-0.24	-0.32	-0.87	-12.81	-12.23	-1.45	-2.57
		37	1.81	0.18	-0.35	-0.24	0.07	0.22	0.67	-7.18	-6.45	-0.07	-2.29

11	50	38	1.96	0.04	-0.41	-0.08	-0.29	-0.20	0.04	-8.15	-7.68	-0.43	-1.90
		44	2.76	0.42	-0.45	-0.09	0.06	0.43	0.03	-11.50	-11.41	-0.07	-1.03
		43	3.20	-0.31	-0.96	-0.40	-0.87	-0.23	-0.90	-13.76	-12.85	-1.82	-3.31
		37	2.12	0.71	0.37	0.51	0.57	0.17	1.01	-8.23	-7.08	-0.14	-3.06
11	82	38	1.83	-0.12	-0.65	-0.42	-0.34	-0.26	-0.08	-7.65	-7.34	-0.39	-1.49
		44	2.69	0.32	-0.54	-0.34	0.13	0.36	0.18	-11.10	-11.06	0.14	-0.65
		43	3.09	-0.27	-0.83	-0.56	-0.54	-0.28	-0.89	-13.26	-12.53	-1.62	-2.92
		37	1.95	0.43	-5.59e-03	0.11	0.31	0.19	0.83	-7.68	-6.75	-0.10	-2.65
12	5	37	2.91	-0.62	-1.39	-1.38	-0.63	0.09	1.24	-11.40	-10.03	-0.12	-3.92
		43	4.22	0.24	-1.65	-1.58	0.17	0.37	-1.78	-18.29	-18.05	-2.03	-2.01
		45	3.68	-0.19	-1.52	-1.52	-0.19	0.02	-0.35	-15.39	-14.66	-1.08	-3.23
		39	2.88	0.15	-0.89	-0.77	0.03	0.33	-0.52	-12.23	-11.11	-1.64	-3.44
12	13	37	2.12	-0.46	-0.96	-0.96	-0.47	0.05	0.90	-8.28	-7.28	-0.10	-2.86
		43	3.07	0.19	-1.17	-1.12	0.14	0.26	-1.28	-13.29	-13.11	-1.46	-1.47
		45	2.67	-0.13	-1.05	-1.05	-0.13	0.02	-0.28	-11.19	-10.66	-0.82	-2.36
		39	2.09	0.11	-0.61	-0.51	0.01	0.24	-0.39	-8.89	-8.06	-1.22	-2.52
12	21	37	1.96	-0.40	-0.51	-0.44	-0.47	-0.05	0.88	-7.65	-6.68	-0.09	-2.71
		43	2.91	0.32	-0.72	-0.67	0.27	0.22	-1.23	-12.63	-12.45	-1.40	-1.40
		45	2.53	-0.03	-0.41	-0.41	-0.03	-0.04	-0.25	-10.63	-10.12	-0.76	-2.24
		39	1.94	0.18	-0.32	-0.09	-0.05	0.25	-0.32	-8.21	-7.42	-1.11	-2.37
12	25	37	1.91	-0.28	-0.50	-0.31	-0.47	-0.08	0.89	-7.46	-6.47	-0.09	-2.69
		43	2.85	0.35	-0.60	-0.55	0.30	0.21	-1.22	-12.40	-12.22	-1.39	-1.39
		45	2.48	-1.46e-05	-0.26	-0.25	-7.84e-03	-0.04	-0.25	-10.42	-9.91	-0.75	-2.22
		39	1.89	0.23	-0.28	0.02	-0.07	0.25	-0.30	-8.00	-7.20	-1.10	-2.36
12	50	37	2.44	0.27	-0.53	0.23	-0.50	0.16	1.91	-9.04	-7.15	0.01	-4.15
		43	3.14	0.43	-0.18	-0.12	0.37	-0.18	-0.72	-13.39	-12.83	-1.27	-2.60
		45	2.79	0.10	-0.28	-0.27	0.09	0.08	0.44	-11.37	-10.26	-0.68	-3.46
		39	2.36	0.80	-0.09	0.65	0.05	0.33	0.84	-9.30	-7.52	-0.94	-3.86
12	82	37	2.15	-0.05	-0.49	-0.05	-0.48	0.03	1.36	-8.20	-6.80	-0.04	-3.38
		43	2.98	0.34	-0.35	-0.35	0.33	0.02	-1.00	-12.85	-12.52	-1.34	-1.96
		45	2.62	0.04	-0.26	-0.26	0.04	0.01	0.06	-10.86	-10.08	-0.72	-2.81
		39	2.10	0.49	-0.18	0.32	-9.90e-03	0.29	0.22	-8.60	-7.35	-1.02	-3.07
13	5	39	2.93	0.06	-1.33	-0.81	-0.46	0.68	-0.18	-12.28	-12.01	-0.44	-1.77
		45	3.62	0.24	-1.50	-0.94	-0.32	0.81	-0.78	-15.37	-15.37	-0.78	-0.06
		46	3.64	-0.71	-1.44	-1.41	-0.75	-0.16	-1.50	-15.77	-15.75	-1.52	-0.56
		40	2.68	1.02	-1.64	-1.29	0.67	0.90	-0.72	-11.39	-11.23	-0.87	-1.27
13	13	39	2.13	0.02	-0.91	-0.56	-0.34	0.45	-0.14	-8.93	-8.73	-0.34	-1.30
		45	2.62	0.20	-1.04	-0.62	-0.22	0.58	-0.60	-11.18	-11.18	-0.60	-0.07
		46	2.64	-0.51	-0.98	-0.95	-0.54	-0.12	-1.08	-11.44	-11.43	-1.10	-0.43
		40	1.94	0.73	-1.08	-0.82	0.46	0.64	-0.58	-8.30	-8.19	-0.69	-0.94
13	21	39	1.97	-0.19	-0.34	-0.24	-0.30	0.07	-0.10	-8.26	-8.06	-0.29	-1.24
		45	2.48	0.41	-0.54	-0.03	-0.10	0.47	-0.54	-10.61	-10.61	-0.54	-0.06
		46	2.50	-0.15	-0.51	-0.28	-0.38	-0.17	-1.02	-10.89	-10.87	-1.03	-0.39
		40	1.79	0.56	-0.27	0.11	0.19	0.41	-0.42	-7.63	-7.51	-0.53	-0.91
13	25	39	1.92	-0.15	-0.30	-0.16	-0.29	-0.02	-0.08	-8.05	-7.84	-0.29	-1.26
		45	2.44	0.48	-0.43	0.11	-0.07	0.45	-0.53	-10.40	-10.40	-0.54	-0.08
		46	2.45	-0.02	-0.44	-0.11	-0.35	-0.17	-1.01	-10.67	-10.65	-1.03	-0.41
		40	1.74	0.61	-0.14	0.34	0.12	0.36	-0.39	-7.42	-7.29	-0.52	-0.93
13	51	39	2.40	0.12	-0.73	0.09	-0.70	-0.14	1.20	-9.31	-8.67	0.56	-2.52
		45	2.78	0.43	0.29	0.37	0.34	0.07	0.63	-11.26	-11.15	0.52	-1.14
		46	2.81	0.02	-0.78	-0.09	-0.67	-0.27	0.20	-11.59	-11.42	0.03	-1.40
		40	2.18	0.93	0.10	0.60	0.43	0.41	0.86	-8.57	-8.08	0.37	-2.10
13	83	39	2.14	-0.03	-0.50	-0.04	-0.49	-0.08	0.51	-8.64	-8.24	0.12	-1.86
		45	2.59	0.45	-0.09	0.24	0.13	0.27	1.34e-03	-10.79	-10.76	-0.03	-0.58
		46	2.61	-2.78e-03	-0.60	-0.10	-0.50	-0.22	-0.45	-11.10	-11.02	-0.52	-0.88
		40	1.94	0.76	-0.03	0.46	0.27	0.38	0.19	-7.95	-7.67	-0.10	-1.49

14	5	40	2.65	-0.82	-1.47	-1.38	-0.91	0.23	-0.72	-11.30	-10.97	-1.04	-1.82
		46	3.76	1.08	-2.00	-1.57	0.65	1.07	-1.44	-16.16	-16.13	-1.47	0.71
		47	3.24	0.88	-2.44	-2.42	0.86	-0.26	-1.84	-14.10	-14.09	-1.84	0.18
		41	2.56	1.08	-2.18	-0.60	-0.50	1.63	-1.48	-11.34	-11.24	-1.58	-1.00
14	13	40	1.92	-0.57	-0.98	-0.91	-0.64	0.15	-0.58	-8.24	-8.00	-0.82	-1.34
		46	2.73	0.77	-1.38	-1.05	0.44	0.77	-1.02	-11.72	-11.70	-1.05	0.51
		47	2.35	0.62	-1.70	-1.69	0.61	-0.17	-1.39	-10.25	-10.25	-1.39	0.13
		41	1.86	0.84	-1.52	-0.31	-0.37	1.18	-1.13	-8.25	-8.18	-1.21	-0.72
14	21	40	1.77	-0.07	-0.32	-0.07	-0.32	-1.45e-03	-0.45	-7.57	-7.34	-0.69	-1.27
		46	2.58	0.54	-0.71	-0.28	0.11	0.59	-0.95	-11.15	-11.13	-0.97	0.48
		47	2.22	0.37	-0.89	-0.88	0.36	-0.09	-1.30	-9.74	-9.74	-1.30	0.12
		41	1.74	1.09	-0.90	0.53	-0.34	0.90	-0.90	-7.58	-7.50	-0.98	-0.73
14	25	40	1.72	0.14	-0.24	0.14	-0.24	-0.04	-0.44	-7.37	-7.12	-0.69	-1.29
		46	2.52	0.53	-0.58	-0.08	0.03	0.55	-0.94	-10.92	-10.90	-0.96	0.45
		47	2.17	0.30	-0.69	-0.69	0.30	-0.06	-1.30	-9.54	-9.54	-1.30	0.09
		41	1.69	1.20	-0.79	0.74	-0.33	0.84	-0.87	-7.36	-7.27	-0.96	-0.75
14	51	40	2.18	0.48	-0.47	0.37	-0.36	-0.30	0.99	-8.52	-7.88	0.34	-2.38
		46	2.93	1.57	-0.25	0.19	1.13	0.78	0.74	-11.78	-11.75	0.71	-0.62
		47	2.60	1.35	-1.03	-0.98	1.31	-0.33	0.46	-10.47	-10.40	0.40	-0.84
		41	2.12	2.43	-0.50	2.02	-0.10	1.01	0.38	-8.43	-8.06	0.02	-1.75
14	83	40	1.93	0.29	-0.34	0.25	-0.30	-0.16	0.23	-7.91	-7.49	-0.19	-1.81
		46	2.70	1.01	-0.41	0.05	0.56	0.66	-0.16	-11.31	-11.31	-0.17	-0.06
		47	2.36	0.80	-0.85	-0.83	0.78	-0.19	-0.48	-9.97	-9.96	-0.49	-0.35
		41	1.89	1.78	-0.64	1.35	-0.22	0.92	-0.29	-7.86	-7.65	-0.49	-1.23
15	5	41	2.49	0.78	-0.61	-0.55	0.72	0.28	-2.08	-11.23	-10.65	-2.66	-2.24
		47	3.37	0.90	-3.43	-2.65	0.13	1.66	-1.47	-14.53	-14.39	-1.60	-1.31
		48	3.22	1.06	-0.05	0.51	0.50	0.56	-1.81	-14.18	-14.06	-1.94	-1.24
		42	2.36	0.36	-1.89	-1.37	-0.17	0.95	-2.02	-10.62	-10.39	-2.26	-1.41
15	13	41	1.81	0.54	-0.34	-0.29	0.49	0.21	-1.58	-8.18	-7.75	-2.00	-1.61
		47	2.44	0.69	-2.46	-1.86	0.09	1.24	-1.11	-10.56	-10.47	-1.21	-0.95
		48	2.34	0.86	-0.04	0.47	0.35	0.44	-1.39	-10.34	-10.25	-1.48	-0.90
		42	1.71	0.30	-1.32	-0.88	-0.14	0.72	-1.56	-7.73	-7.56	-1.73	-1.00
15	21	41	1.68	0.59	0.08	0.53	0.14	0.17	-1.34	-7.51	-7.09	-1.75	-1.55
		47	2.31	0.84	-1.86	-1.07	0.05	1.23	-1.03	-10.04	-9.95	-1.13	-0.92
		48	2.24	1.34	-0.10	1.06	0.18	0.57	-1.26	-9.81	-9.72	-1.35	-0.87
		42	1.58	0.65	-0.89	0.02	-0.26	0.75	-1.38	-7.11	-6.93	-1.55	-1.00
15	25	41	1.63	0.77	0.02	0.74	0.06	0.16	-1.31	-7.29	-6.86	-1.74	-1.55
		47	2.26	0.90	-1.74	-0.88	0.04	1.24	-1.03	-9.83	-9.73	-1.12	-0.91
		48	2.19	1.48	-0.14	1.21	0.14	0.61	-1.25	-9.60	-9.50	-1.34	-0.87
		42	1.53	0.79	-0.84	0.24	-0.29	0.77	-1.37	-6.89	-6.71	-1.55	-1.00
15	51	41	2.01	2.04	0.65	2.03	0.66	-0.07	-0.20	-8.35	-7.33	-1.22	-2.70
		47	2.58	0.62	-1.24	-1.05	0.43	0.56	-0.05	-10.68	-10.24	-0.49	-2.11
		48	2.50	1.94	0.47	1.77	0.63	-0.46	-0.24	-10.45	-10.03	-0.66	-2.03
		42	1.87	0.90	-0.98	0.15	-0.23	0.92	-0.38	-7.87	-7.20	-1.05	-2.14
15	83	41	1.80	1.36	0.34	1.36	0.34	0.05	-0.79	-7.79	-7.09	-1.49	-2.10
		47	2.40	0.72	-1.46	-0.96	0.23	0.91	-0.58	-10.22	-9.98	-0.82	-1.48
		48	2.33	1.49	0.36	1.48	0.37	0.10	-0.79	-9.99	-9.76	-1.02	-1.42
		42	1.68	0.84	-0.90	0.20	-0.26	0.84	-0.92	-7.34	-6.95	-1.31	-1.54
16	5	44	4.83	-0.04	-1.26	-1.26	-0.04	0.02	-0.04	-20.06	-19.91	-0.19	-1.69
		50	1.13	-0.07	-0.31	-0.31	-0.07	0.02	0.26	-4.57	-4.55	0.24	0.28
		49	4.69	-0.01	-2.03	-1.75	-0.29	-0.70	1.97	-18.31	-14.89	-1.45	-7.59
		43	3.67	0.44	-0.70	-0.60	0.35	0.32	-0.14	-15.30	-15.29	-0.15	-0.47
16	13	44	3.51	-0.03	-0.89	-0.88	-0.03	0.02	-0.04	-14.58	-14.48	-0.14	-1.23
		50	0.83	-0.05	-0.23	-0.23	-0.05	8.24e-03	0.19	-3.35	-3.33	0.18	0.20
		49	3.43	-2.95e-03	-1.45	-1.24	-0.21	-0.50	1.43	-13.39	-10.88	-1.08	-5.55
		43	2.67	0.32	-0.50	-0.42	0.25	0.24	-0.09	-11.11	-11.10	-0.10	-0.35

16	21	44	3.33	0.03	-0.32	-0.27	-0.02	0.12	-0.03	-13.87	-13.77	-0.13	-1.17
		50	0.79	-5.01e-03	-0.24	-0.22	-0.02	-0.06	0.18	-3.20	-3.19	0.17	0.19
		49	3.26	0.03	-0.65	-0.54	-0.08	-0.25	1.37	-12.80	-10.40	-1.02	-5.31
		43	2.53	0.23	-0.18	-0.07	0.12	0.18	-0.09	-10.56	-10.55	-0.10	-0.33
16	25	44	3.27	0.08	-0.22	-0.13	-0.02	0.14	-0.03	-13.62	-13.52	-0.13	-1.16
		50	0.78	0.01	-0.24	-0.22	-0.01	-0.07	0.18	-3.15	-3.14	0.17	0.19
		49	3.21	0.04	-0.47	-0.39	-0.05	-0.19	1.35	-12.60	-10.24	-1.01	-5.23
		43	2.48	0.23	-0.12	9.15e-03	0.10	0.17	-0.10	-10.36	-10.35	-0.11	-0.34
16	35	44	3.50	0.56	-0.12	0.52	-0.09	0.15	-0.17	-14.61	-14.50	-0.28	-1.22
		50	0.98	0.16	-0.05	0.02	0.09	0.10	0.18	-4.01	-4.00	0.17	-0.17
		49	3.49	0.35	0.13	0.33	0.15	0.06	1.40	-13.78	-11.32	-1.05	-5.59
		43	2.74	0.75	-0.10	0.66	-0.02	0.26	-0.25	-11.50	-11.48	-0.26	-0.40
16	67	44	3.38	0.26	-0.12	0.18	-0.05	0.15	-0.10	-14.10	-14.00	-0.20	-1.19
		50	0.88	0.04	-0.11	-0.11	0.04	6.93e-03	0.17	-3.56	-3.56	0.17	0.02
		49	3.34	0.08	-0.08	-0.04	0.04	-0.07	1.37	-13.17	-10.77	-1.03	-5.41
		43	2.61	0.44	-0.07	0.32	0.04	0.21	-0.17	-10.91	-10.90	-0.18	-0.36
17	5	43	3.48	0.57	-0.87	-0.71	0.41	0.45	-0.89	-14.86	-14.74	-1.01	-1.30
		49	4.46	-0.28	-1.94	-1.92	-0.29	-0.16	0.75	-18.04	-17.21	-0.08	-3.87
		51	4.49	0.72	-1.26	-0.98	0.44	0.69	-1.45	-19.31	-19.22	-1.53	-1.26
		45	3.74	0.08	-0.65	-0.65	0.08	-0.06	-0.25	-15.65	-15.07	-0.83	-2.95
17	13	43	2.53	0.44	-0.61	-0.49	0.32	0.34	-0.63	-10.80	-10.70	-0.72	-0.96
		49	3.25	-0.21	-1.38	-1.37	-0.22	-0.13	0.54	-13.18	-12.57	-0.07	-2.83
		51	3.28	0.55	-0.88	-0.67	0.33	0.51	-1.07	-14.09	-14.03	-1.14	-0.94
		45	2.72	0.06	-0.43	-0.43	0.06	-0.03	-0.21	-11.39	-10.95	-0.64	-2.16
17	21	43	2.39	0.63	-0.34	-0.08	0.37	0.43	-0.61	-10.26	-10.17	-0.70	-0.91
		49	3.10	-0.12	-0.73	-0.67	-0.19	-0.19	0.53	-12.60	-12.01	-0.06	-2.71
		51	3.12	0.62	-0.41	-0.13	0.34	0.46	-1.02	-13.47	-13.41	-1.08	-0.89
		45	2.57	0.11	0.03	0.03	0.10	-0.01	-0.18	-10.81	-10.40	-0.59	-2.04
17	25	43	2.35	0.68	-0.28	0.02	0.39	0.45	-0.61	-10.06	-9.98	-0.70	-0.90
		49	3.05	-0.08	-0.61	-0.51	-0.18	-0.21	0.52	-12.40	-11.82	-0.06	-2.67
		51	3.07	0.65	-0.31	-2.28e-03	0.35	0.45	-1.02	-13.26	-13.19	-1.08	-0.88
		45	2.52	0.14	0.11	0.14	0.11	-4.88e-03	-0.18	-10.59	-10.19	-0.58	-2.02
17	51	43	2.66	1.80	1.20	1.76	1.25	-0.16	-0.31	-11.13	-10.85	-0.59	-1.72
		49	3.36	-0.09	-1.18	-0.70	-0.57	-0.54	0.79	-13.54	-12.75	2.60e-03	-3.26
		51	3.27	0.92	0.37	0.59	0.70	0.27	-0.88	-14.00	-13.85	-1.03	-1.38
		45	2.81	1.09	0.14	1.05	0.18	0.18	0.23	-11.50	-10.78	-0.50	-2.82
17	83	43	2.49	0.98	0.66	0.84	0.80	0.16	-0.48	-10.57	-10.40	-0.65	-1.29
		49	3.20	-0.10	-0.87	-0.61	-0.37	-0.37	0.64	-12.95	-12.27	-0.03	-2.95
		51	3.16	0.78	0.02	0.28	0.52	0.36	-0.96	-13.61	-13.51	-1.06	-1.12
		45	2.66	0.59	0.13	0.57	0.15	0.08	8.42e-03	-11.03	-10.48	-0.54	-2.40
18	5	45	3.67	0.66	-1.37	-1.05	0.34	0.74	-0.76	-15.60	-14.82	-1.54	-3.31
		51	4.28	0.07	-1.00	-0.99	0.05	0.13	-1.10	-18.27	-17.60	-1.77	-3.33
		52	4.27	0.61	-0.99	-0.82	0.44	0.49	-1.97	-18.61	-18.15	-2.44	-2.74
		46	3.22	0.06	-0.25	-0.11	-0.09	0.16	-1.13	-13.94	-12.78	-2.28	-3.67
18	13	45	2.66	0.49	-0.96	-0.73	0.25	0.53	-0.60	-11.34	-10.77	-1.17	-2.41
		51	3.12	0.06	-0.69	-0.68	0.04	0.11	-0.81	-13.34	-12.84	-1.31	-2.44
		52	3.12	0.46	-0.69	-0.56	0.33	0.37	-1.48	-13.62	-13.27	-1.83	-2.02
		46	2.34	0.11	-0.17	-7.30e-04	-0.06	0.14	-0.82	-10.11	-9.27	-1.66	-2.67
18	21	45	2.52	0.53	-0.50	-0.22	0.25	0.46	-0.54	-10.77	-10.23	-1.08	-2.28
		51	2.97	0.14	-0.19	-0.14	0.10	0.11	-0.77	-12.75	-12.28	-1.25	-2.33
		52	2.97	0.57	-0.31	-0.04	0.31	0.40	-1.40	-13.01	-12.68	-1.73	-1.92
		46	2.23	0.65	-0.05	0.60	-3.75e-04	0.18	-0.75	-9.61	-8.80	-1.56	-2.54
18	25	45	2.47	0.55	-0.40	-0.10	0.25	0.44	-0.54	-10.55	-10.02	-1.08	-2.26
		51	2.92	0.18	-0.09	-0.02	0.11	0.12	-0.77	-12.54	-12.08	-1.24	-2.30
		52	2.92	0.62	-0.24	0.07	0.31	0.42	-1.40	-12.80	-12.47	-1.73	-1.90
		46	2.19	0.80	-0.04	0.74	0.02	0.20	-0.74	-9.41	-8.61	-1.55	-2.51

18	35	45	2.78	0.92	0.08	0.57	0.43	0.41	-0.19	-11.61	-10.95	-0.85	-2.67
		51	3.20	0.75	0.25	0.75	0.25	0.04	-0.57	-13.56	-12.96	-1.17	-2.71
		52	3.21	0.75	0.16	0.57	0.35	0.27	-1.32	-13.94	-13.47	-1.78	-2.37
		46	2.52	1.59	0.12	1.54	0.17	0.27	-0.38	-10.56	-9.61	-1.34	-2.97
18	67	45	2.62	0.71	-0.15	0.23	0.33	0.43	-0.37	-11.07	-10.47	-0.97	-2.46
		51	3.06	0.39	0.15	0.35	0.18	0.08	-0.68	-13.04	-12.51	-1.21	-2.50
		52	3.06	0.67	-0.03	0.32	0.33	0.35	-1.37	-13.35	-12.96	-1.75	-2.12
		46	2.35	1.18	0.04	1.13	0.09	0.23	-0.57	-9.97	-9.10	-1.45	-2.73
19	5	46	2.95	2.22	-0.73	0.17	1.31	1.36	-1.31	-12.85	-12.36	-1.79	-2.31
		52	4.38	-0.32	-0.65	-0.60	-0.37	-0.12	-1.92	-19.10	-18.34	-2.69	-3.54
		53	4.05	1.50	-1.46	-0.12	0.16	1.48	-2.07	-17.78	-17.30	-2.56	-2.71
		47	3.39	1.28	0.54	1.26	0.56	-0.12	-1.49	-14.72	-14.02	-2.20	-2.97
19	13	46	2.14	1.65	-0.51	0.19	0.95	1.01	-0.93	-9.31	-8.96	-1.29	-1.69
		52	3.20	-0.22	-0.42	-0.39	-0.25	-0.08	-1.45	-13.98	-13.42	-2.01	-2.60
		53	2.96	1.17	-1.06	-0.04	0.15	1.11	-1.55	-13.01	-12.65	-1.92	-2.00
		47	2.46	1.02	0.38	1.01	0.39	-0.07	-1.13	-10.71	-10.19	-1.65	-2.17
19	21	46	2.05	1.67	-0.28	0.70	0.69	0.98	-0.89	-8.85	-8.51	-1.23	-1.60
		52	3.06	0.14	-0.05	0.12	-0.03	-0.06	-1.36	-13.35	-12.82	-1.90	-2.48
		53	2.84	1.56	-0.86	0.31	0.38	1.21	-1.47	-12.43	-12.09	-1.81	-1.90
		47	2.35	1.53	0.13	1.53	0.13	-0.02	-1.04	-10.17	-9.68	-1.53	-2.07
19	25	46	2.00	1.70	-0.25	0.82	0.63	0.97	-0.88	-8.66	-8.32	-1.22	-1.58
		52	3.01	0.25	9.15e-03	0.24	0.02	-0.05	-1.36	-13.14	-12.61	-1.89	-2.44
		53	2.79	1.66	-0.82	0.39	0.44	1.24	-1.47	-12.22	-11.88	-1.80	-1.87
		47	2.31	1.66	0.07	1.66	0.07	3.40e-03	-1.03	-9.96	-9.46	-1.52	-2.04
19	35	46	2.37	2.26	0.17	1.54	0.89	0.99	-0.26	-9.87	-9.33	-0.80	-2.21
		52	3.30	0.92	-0.06	0.72	0.14	-0.39	-1.19	-14.28	-13.57	-1.90	-2.97
		53	3.07	1.69	-0.27	0.82	0.60	0.97	-1.30	-13.30	-12.78	-1.82	-2.44
		47	2.66	2.14	0.28	2.13	0.29	-0.16	-0.36	-11.13	-10.37	-1.11	-2.75
19	67	46	2.18	1.97	-0.04	1.17	0.75	0.98	-0.59	-9.25	-8.81	-1.02	-1.88
		52	3.15	0.57	-0.01	0.48	0.08	-0.21	-1.28	-13.69	-13.08	-1.89	-2.69
		53	2.93	1.67	-0.55	0.60	0.52	1.11	-1.39	-12.75	-12.32	-1.81	-2.15
		47	2.48	1.89	0.17	1.89	0.17	-0.07	-0.71	-10.53	-9.91	-1.33	-2.38
20	5	47	3.29	3.23	-0.81	1.54	0.88	2.00	-1.61	-14.27	-14.12	-1.76	-1.37
		53	4.10	-0.03	-0.63	-0.13	-0.52	0.23	-1.99	-17.97	-17.92	-2.04	-0.94
		54	4.08	1.79	-0.47	1.10	0.22	1.04	-1.83	-17.74	-17.69	-1.87	-0.83
		48	3.23	0.72	-0.91	-0.65	0.46	0.60	-1.68	-14.15	-14.04	-1.79	-1.16
20	13	47	2.39	2.42	-0.57	1.22	0.64	1.47	-1.21	-10.38	-10.27	-1.33	-1.01
		53	3.00	0.04	-0.48	-0.05	-0.40	0.19	-1.50	-13.15	-13.11	-1.54	-0.71
		54	2.98	1.39	-0.35	0.88	0.16	0.79	-1.39	-12.99	-12.95	-1.43	-0.63
		48	2.34	0.55	-0.64	-0.41	0.33	0.46	-1.29	-10.32	-10.24	-1.37	-0.85
20	21	47	2.28	2.57	-0.34	1.75	0.48	1.31	-1.12	-9.86	-9.75	-1.22	-0.96
		53	2.87	0.42	-0.53	0.31	-0.42	0.30	-1.42	-12.56	-12.52	-1.45	-0.66
		54	2.86	1.73	-0.34	1.30	0.09	0.85	-1.31	-12.39	-12.36	-1.34	-0.58
		48	2.22	0.70	-0.41	0.09	0.21	0.55	-1.19	-9.78	-9.70	-1.27	-0.82
20	25	47	2.24	2.63	-0.31	1.88	0.45	1.28	-1.11	-9.65	-9.54	-1.22	-0.96
		53	2.82	0.52	-0.55	0.40	-0.43	0.33	-1.41	-12.35	-12.31	-1.45	-0.66
		54	2.81	1.83	-0.35	1.41	0.08	0.87	-1.30	-12.18	-12.15	-1.33	-0.58
		48	2.17	0.78	-0.39	0.21	0.18	0.58	-1.18	-9.57	-9.49	-1.26	-0.82
20	35	47	2.56	2.63	0.39	2.32	0.70	0.78	-0.73	-10.81	-10.60	-0.94	-1.44
		53	3.12	0.73	-0.51	0.73	-0.51	0.03	-1.18	-13.45	-13.34	-1.29	-1.16
		54	3.10	2.24	0.05	2.09	0.20	0.56	-1.07	-13.26	-13.16	-1.17	-1.10
		48	2.49	0.66	0.32	0.58	0.39	0.14	-0.81	-10.70	-10.53	-0.99	-1.32
20	67	47	2.39	2.62	0.05	2.10	0.57	1.04	-0.93	-10.21	-10.06	-1.08	-1.19
		53	2.96	0.60	-0.50	0.56	-0.47	0.19	-1.30	-12.89	-12.82	-1.37	-0.90
		54	2.95	2.01	-0.14	1.74	0.13	0.72	-1.20	-12.71	-12.65	-1.26	-0.83
		48	2.33	0.71	-0.04	0.39	0.28	0.37	-1.01	-10.12	-9.99	-1.13	-1.06

21	2	143	3.29	0.67	-1.04	-0.92	0.55	0.44	11.38	-3.74	-3.21	10.84	-2.80
		18	10.42	1.01	-1.41	-1.14	0.74	-0.76	-0.32	-43.45	-6.42	-37.35	15.03
		107	1.90	1.46	-0.69	-0.36	1.12	-0.78	-4.64	-9.07	-4.65	-9.06	-0.24
		144	2.61	3.00e-03	-0.06	-0.02	-0.04	-0.03	-4.20	-12.33	-8.48	-8.05	4.06
21	9	143	1.96	2.33	-0.55	0.95	0.84	1.44	7.14	-1.77	-1.75	7.12	-0.36
		18	7.67	3.57	-1.34	1.36	0.86	-2.44	5.17	-28.93	4.19	-27.94	5.71
		107	1.69	2.25	-0.16	1.46	0.63	1.14	-6.29	-7.51	-6.95	-6.85	0.61
		144	1.29	2.73	-0.56	1.35	0.82	-1.63	-2.79	-5.99	-3.53	-5.24	1.36
21	17	143	2.09	1.61	-0.44	0.49	0.68	1.02	7.34	-2.26	-2.19	7.27	-0.84
		18	6.92	2.48	-1.04	0.70	0.74	-1.76	3.60	-26.74	1.84	-24.98	7.08
		107	1.40	1.39	0.21	0.93	0.66	0.58	-5.05	-6.28	-5.20	-6.13	0.40
		144	1.37	1.80	-0.32	0.93	0.55	-1.05	-2.58	-6.41	-4.26	-4.73	1.90
21	25	143	2.08	1.59	-0.44	0.48	0.67	1.01	7.30	-2.30	-2.23	7.23	-0.81
		18	6.77	2.45	-1.03	0.69	0.73	-1.74	3.74	-26.03	2.02	-24.30	6.96
		107	1.36	1.37	0.20	0.91	0.66	0.57	-4.90	-6.14	-5.07	-5.97	0.42
		144	1.35	1.78	-0.32	0.92	0.54	-1.03	-2.47	-6.28	-4.20	-4.55	1.90
21	51	143	2.15	3.31	-1.31	0.53	1.47	2.27	7.36	-2.22	-1.51	6.65	2.52
		18	7.74	4.51	-2.03	0.54	1.94	-3.19	5.34	-28.90	3.33	-26.90	8.04
		107	2.31	2.58	1.34	2.00	1.91	0.62	-5.67	-10.99	-6.24	-10.42	1.64
		144	1.51	2.78	0.49	2.01	1.26	-1.08	-0.75	-6.45	-3.51	-3.69	2.85
21	83	143	1.98	2.41	-0.85	0.50	1.06	1.61	7.02	-1.95	-1.88	6.95	0.78
		18	7.23	3.41	-1.49	0.62	1.30	-2.43	4.51	-27.41	2.65	-25.55	7.47
		107	1.79	1.93	0.75	1.42	1.26	0.58	-5.28	-8.45	-5.63	-8.10	1.00
		144	1.41	2.25	0.07	1.44	0.88	-1.05	-1.65	-6.36	-3.87	-4.14	2.35
22	8	141	1.63	2.45	-3.28	1.58	-2.41	-2.06	2.75	-4.60	-1.69	-0.16	3.60
		156	1.24	-0.76	-2.94	-1.39	-2.31	0.99	1.94	-3.77	-1.78	-0.05	2.72
		77	1.72	0.89	-1.83	-0.23	-0.72	-1.34	4.40	-3.62	-0.94	1.72	3.78
		142	1.83	-1.90	-5.97	-2.90	-4.98	1.75	1.83	-6.26	-3.33	-1.10	3.89
22	16	141	1.19	1.73	-2.25	1.14	-1.66	-1.41	1.88	-3.47	-1.42	-0.16	2.60
		156	0.91	-0.53	-2.04	-0.98	-1.59	0.69	1.31	-2.84	-1.45	-0.08	1.96
		77	1.25	0.64	-1.20	-0.08	-0.47	-0.90	3.13	-2.72	-0.81	1.21	2.74
		142	1.34	-1.31	-4.16	-2.00	-3.47	1.23	1.18	-4.70	-2.64	-0.89	2.81
22	24	141	0.97	0.95	-0.83	0.77	-0.65	-0.54	1.31	-3.13	-1.62	-0.20	2.10
		156	0.75	-0.28	-0.90	-0.55	-0.63	0.31	0.87	-2.56	-1.56	-0.12	1.56
		77	1.06	0.53	-0.11	0.42	-3.40e-03	-0.24	2.68	-2.38	-0.91	1.22	2.29
		142	1.14	-0.54	-1.97	-0.87	-1.64	0.61	0.67	-4.30	-2.73	-0.91	2.31
22	25	141	0.93	0.77	-0.49	0.68	-0.40	-0.32	1.19	-3.08	-1.66	-0.23	2.01
		156	0.73	-0.20	-0.64	-0.45	-0.39	0.22	0.77	-2.52	-1.61	-0.15	1.48
		77	1.03	0.56	0.10	0.55	0.12	-0.07	2.57	-2.35	-0.98	1.19	2.21
		142	1.11	-0.35	-1.44	-0.59	-1.20	0.46	0.54	-4.26	-2.76	-0.96	2.23
22	51	141	1.34	0.62	-1.34	0.55	-1.27	-0.34	2.89	-3.46	-0.94	0.36	3.11
		156	1.08	0.97	-1.61	0.21	-0.86	1.18	2.52	-2.52	-0.82	0.81	2.39
		77	1.43	0.20	-0.50	0.19	-0.49	0.06	4.03	-2.82	-0.60	1.81	3.21
		142	1.55	0.32	-2.68	-0.29	-2.07	1.21	2.11	-4.97	-2.41	-0.45	3.40
22	83	141	1.12	0.70	-0.89	0.62	-0.82	-0.33	1.99	-3.26	-1.32	0.05	2.53
		156	0.88	0.35	-1.09	-0.14	-0.61	0.68	1.60	-2.52	-1.23	0.31	1.91
		77	1.22	0.38	-0.17	0.38	-0.17	-4.24e-03	3.26	-2.57	-0.80	1.49	2.69
		142	1.31	-0.03	-2.04	-0.45	-1.62	0.82	1.29	-4.60	-2.59	-0.72	2.79
23	5	51	4.41	-0.11	-1.19	-0.95	-0.36	0.45	-1.52	-19.02	-18.98	-1.56	0.87
		57	5.53	0.20	-1.08	-0.98	0.09	-0.35	-1.71	-23.75	-23.47	-1.99	2.48
		58	5.13	-0.17	-1.09	-0.37	-0.89	0.38	-3.87	-23.01	-22.52	-4.37	3.05
		52	4.25	0.53	0.13	0.13	0.53	-0.04	-1.56	-18.41	-18.39	-1.58	0.62
23	13	51	3.22	-0.08	-0.84	-0.66	-0.26	0.32	-1.13	-13.89	-13.86	-1.16	0.62
		57	4.02	0.16	-0.77	-0.68	0.08	-0.27	-1.27	-17.31	-17.11	-1.47	1.75
		58	3.74	-0.10	-0.78	-0.24	-0.64	0.28	-2.86	-16.80	-16.45	-3.20	2.16
		52	3.10	0.39	0.14	0.14	0.39	-0.02	-1.18	-13.46	-13.44	-1.19	0.43

23	21	51	3.07	0.12	-0.41	-0.13	-0.16	0.26	-1.07	-13.28	-13.25	-1.10	0.59
		57	3.83	0.38	-0.42	-0.24	0.20	-0.34	-1.19	-16.52	-16.33	-1.37	1.68
		58	3.57	0.23	-0.60	0.06	-0.43	0.33	-2.68	-16.02	-15.68	-3.02	2.09
		52	2.97	0.52	0.38	0.51	0.39	-0.04	-1.11	-12.86	-12.85	-1.13	0.42
23	25	51	3.02	0.18	-0.33	-0.02	-0.14	0.25	-1.07	-13.06	-13.04	-1.10	0.57
		57	3.78	0.44	-0.35	-0.14	0.23	-0.35	-1.18	-16.30	-16.12	-1.36	1.65
		58	3.52	0.30	-0.56	0.13	-0.39	0.35	-2.68	-15.82	-15.49	-3.01	2.06
		52	2.92	0.61	0.39	0.60	0.39	-0.03	-1.11	-12.65	-12.63	-1.12	0.41
23	35	51	3.37	0.85	-0.12	0.81	-0.08	0.19	-1.01	-14.43	-14.42	-1.02	0.42
		57	4.08	1.27	0.04	0.72	0.60	-0.61	-1.42	-17.61	-17.47	-1.55	1.47
		58	3.81	0.81	-0.28	0.76	-0.23	0.22	-2.92	-17.06	-16.82	-3.16	1.83
		52	3.25	1.33	0.57	1.33	0.58	-0.07	-1.04	-13.96	-13.96	-1.04	0.17
23	67	51	3.19	0.47	-0.19	0.38	-0.11	0.22	-1.04	-13.73	-13.71	-1.06	0.50
		57	3.92	0.82	-0.14	0.28	0.41	-0.48	-1.30	-16.94	-16.78	-1.45	1.57
		58	3.66	0.53	-0.41	0.44	-0.31	0.28	-2.79	-16.42	-16.14	-3.08	1.95
		52	3.08	0.96	0.48	0.95	0.48	-0.05	-1.08	-13.29	-13.28	-1.08	0.30
24	5	52	4.33	0.37	-1.55	-0.51	-0.67	0.96	-1.60	-18.74	-18.65	-1.70	1.29
		58	4.94	1.16	7.42e-03	0.55	0.62	-0.58	-4.21	-22.32	-22.18	-4.35	1.59
		59	5.11	0.23	-0.34	-0.34	0.23	5.70e-03	-2.76	-22.50	-22.36	-2.90	1.66
		53	4.06	0.87	-1.02e-03	0.75	0.12	0.30	-2.21	-17.84	-17.81	-2.24	0.73
24	13	52	3.16	0.30	-1.11	-0.33	-0.48	0.70	-1.21	-13.70	-13.63	-1.28	0.92
		58	3.61	0.87	0.03	0.44	0.46	-0.42	-3.09	-16.30	-16.21	-3.19	1.11
		59	3.73	0.17	-0.21	-0.21	0.17	0.01	-2.07	-16.46	-16.37	-2.17	1.17
		53	2.97	0.68	0.02	0.60	0.11	0.22	-1.66	-13.06	-13.04	-1.68	0.51
24	21	52	3.02	0.56	-0.73	0.10	-0.27	0.62	-1.14	-13.09	-13.03	-1.21	0.89
		58	3.45	0.96	0.21	0.71	0.45	-0.35	-2.92	-15.54	-15.45	-3.01	1.08
		59	3.56	0.36	-7.43e-04	0.22	0.13	0.17	-1.93	-15.70	-15.60	-2.03	1.15
		53	2.84	0.93	0.24	0.91	0.26	0.12	-1.56	-12.47	-12.44	-1.59	0.50
24	25	52	2.97	0.63	-0.65	0.20	-0.22	0.60	-1.14	-12.88	-12.81	-1.20	0.86
		58	3.40	0.98	0.25	0.78	0.45	-0.33	-2.91	-15.36	-15.26	-3.00	1.07
		59	3.51	0.45	-0.01	0.31	0.12	0.21	-1.93	-15.49	-15.40	-2.02	1.12
		53	2.79	1.01	0.28	0.99	0.30	0.11	-1.56	-12.26	-12.24	-1.58	0.48
24	50	52	3.27	1.36	-1.09	0.56	-0.30	1.15	-0.72	-13.90	-13.90	-0.72	-0.25
		58	3.72	1.99	0.38	1.54	0.83	-0.72	-2.15	-16.36	-16.36	-2.15	-0.12
		59	3.91	0.90	-0.47	0.29	0.14	-0.68	-0.97	-16.74	-16.74	-0.98	-0.19
		53	3.16	3.32	0.38	2.67	1.02	1.22	-1.07	-13.48	-13.44	-1.11	-0.70
24	82	52	3.10	0.98	-0.86	0.38	-0.26	0.86	-0.96	-13.34	-13.33	-0.97	0.33
		58	3.55	1.47	0.31	1.14	0.63	-0.52	-2.58	-15.81	-15.79	-2.60	0.50
		59	3.69	0.45	-0.01	0.30	0.13	-0.21	-1.51	-16.06	-16.04	-1.52	0.50
		53	2.96	2.07	0.36	1.79	0.64	0.64	-1.35	-12.82	-12.82	-1.35	-0.08
25	5	53	4.09	0.87	-0.65	0.51	-0.29	0.65	-2.11	-17.92	-17.86	-2.17	-0.98
		59	5.05	0.75	-0.13	-0.12	0.73	0.11	-2.79	-22.27	-22.26	-2.80	-0.55
		60	4.99	1.01	-0.05	0.45	0.51	0.53	-2.11	-21.73	-21.73	-2.11	-0.26
		54	4.08	0.90	-0.17	0.76	-0.02	0.37	-1.85	-17.78	-17.73	-1.91	-0.93
25	13	53	2.99	0.67	-0.48	0.43	-0.23	0.47	-1.59	-13.12	-13.07	-1.64	-0.74
		59	3.69	0.58	-0.07	-0.05	0.56	0.10	-2.09	-16.30	-16.28	-2.11	-0.45
		60	3.65	0.79	-0.02	0.37	0.39	0.40	-1.61	-15.92	-15.92	-1.62	-0.24
		54	2.98	0.72	-0.14	0.60	-0.02	0.29	-1.41	-13.02	-12.98	-1.46	-0.70
25	21	53	2.86	0.90	-0.44	0.76	-0.30	0.40	-1.50	-12.53	-12.48	-1.54	-0.69
		59	3.52	0.71	0.20	0.28	0.63	0.19	-1.95	-15.54	-15.53	-1.96	-0.40
		60	3.49	1.02	0.04	0.63	0.43	0.48	-1.48	-15.17	-15.16	-1.48	-0.18
		54	2.85	0.99	-0.19	0.88	-0.08	0.34	-1.33	-12.42	-12.38	-1.37	-0.65
25	25	53	2.81	0.96	-0.44	0.85	-0.32	0.39	-1.49	-12.32	-12.27	-1.54	-0.69
		59	3.47	0.77	0.24	0.35	0.65	0.22	-1.95	-15.33	-15.32	-1.96	-0.40
		60	3.44	1.09	0.05	0.70	0.44	0.50	-1.48	-14.96	-14.96	-1.48	-0.18
		54	2.81	1.07	-0.21	0.95	-0.09	0.37	-1.32	-12.21	-12.17	-1.36	-0.65

25	50	53	3.20	2.72	-0.36	2.33	0.02	1.02	-0.94	-13.56	-13.18	-1.32	-2.16
		59	3.83	2.28	-0.36	0.42	1.50	-1.20	-1.35	-16.53	-16.28	-1.59	-1.93
		60	3.79	1.54	-0.87	0.73	-0.06	-1.14	-0.91	-16.18	-15.97	-1.12	-1.78
		54	3.17	1.02	-0.02	0.84	0.17	0.40	-0.76	-13.51	-13.12	-1.15	-2.19
25	66	53	2.99	1.41	-0.32	1.33	-0.25	0.35	-1.45	-12.98	-12.91	-1.52	-0.94
		59	3.64	0.76	0.73	0.75	0.74	-0.01	-1.89	-15.98	-15.95	-1.93	-0.67
		60	3.60	0.95	0.27	0.89	0.33	0.19	-1.43	-15.62	-15.60	-1.44	-0.46
		54	2.98	1.24	-0.09	1.19	-0.04	0.26	-1.28	-12.90	-12.82	-1.35	-0.92
26	5	56	0.45	1.21	0.04	1.15	0.09	-0.25	1.62	-0.34	0.88	0.41	-0.95
		62	6.34	-0.13	-5.10	-4.71	-0.52	1.34	-0.04	-26.02	-24.95	-1.11	5.18
		61	5.84	1.20	-2.02	-2.01	1.18	-0.20	1.40	-23.39	-23.22	1.23	2.06
		55	6.92	0.25	-6.77	-5.05	-1.47	3.02	4.00	-26.06	-18.21	-3.85	13.20
26	13	56	0.33	0.86	0.02	0.82	0.07	-0.18	1.17	-0.25	0.63	0.29	-0.69
		62	4.62	-0.10	-3.69	-3.41	-0.38	0.97	-0.03	-18.95	-18.18	-0.81	3.75
		61	4.26	0.87	-1.46	-1.45	0.86	-0.15	1.01	-17.06	-16.96	0.90	1.40
		55	5.01	0.18	-4.89	-3.65	-1.07	2.19	2.93	-18.85	-13.20	-2.72	9.54
26	21	56	0.31	0.58	0.01	0.55	0.05	-0.15	1.11	-0.24	0.59	0.28	-0.66
		62	4.35	-0.08	-2.91	-2.70	-0.29	0.74	-0.03	-17.91	-17.17	-0.76	3.55
		61	4.02	0.73	-1.15	-1.14	0.72	-0.12	0.98	-16.11	-16.01	0.88	1.31
		55	4.76	0.14	-3.87	-2.88	-0.85	1.73	2.77	-17.99	-12.59	-2.62	9.10
26	25	56	0.30	0.52	7.70e-03	0.48	0.05	-0.14	1.09	-0.24	0.58	0.27	-0.65
		62	4.30	-0.08	-2.74	-2.55	-0.27	0.68	-0.02	-17.71	-16.98	-0.75	3.51
		61	3.97	0.70	-1.09	-1.08	0.69	-0.12	0.97	-15.93	-15.83	0.87	1.30
		55	4.70	0.14	-3.65	-2.71	-0.80	1.63	2.74	-17.75	-12.43	-2.58	8.99
26	38	56	0.08	0.11	-2.33	-1.76	-0.46	1.03	-0.05	-0.18	-0.10	-0.13	0.06
		62	4.49	0.30	-2.10	-2.02	0.22	0.43	0.06	-18.49	-17.68	-0.75	3.79
		61	4.23	0.35	-2.04	-1.98	0.29	0.37	0.89	-16.97	-16.83	0.74	1.61
		55	5.08	-0.11	-3.56	-2.88	-0.79	1.37	2.74	-19.38	-13.55	-3.09	9.74
26	70	56	0.16	0.07	-0.86	-0.59	-0.20	0.42	0.48	-0.15	0.25	0.08	-0.30
		62	4.39	0.09	-2.42	-2.28	-0.04	0.56	0.02	-18.09	-17.32	-0.75	3.65
		61	4.10	0.50	-1.51	-1.50	0.50	0.12	0.93	-16.44	-16.32	0.81	1.45
		55	4.89	0.02	-3.59	-2.78	-0.79	1.50	2.74	-18.55	-12.98	-2.83	9.35
27	5	142	4.22	0.48	-0.29	-0.17	0.36	0.28	13.45	-6.39	3.54	3.52	9.92
		77	3.61	1.94	-1.33	1.40	-0.79	-1.21	0.41	-14.81	-13.53	-0.87	-4.22
		18	12.39	1.88	-0.39	1.86	-0.38	0.21	45.04	-11.23	14.32	19.49	28.02
		143	5.13	2.07	-0.49	2.07	-0.48	0.08	-0.56	-21.55	-2.30	-19.81	-5.79
27	13	142	3.08	0.26	-0.19	-0.15	0.23	0.11	9.72	-4.82	2.36	2.54	7.27
		77	2.66	1.30	-0.94	0.95	-0.59	-0.81	0.26	-10.93	-9.99	-0.68	-3.11
		18	9.08	1.30	-0.31	1.29	-0.31	0.04	32.97	-8.36	10.19	14.42	20.56
		143	3.78	1.47	-0.39	1.46	-0.39	0.12	-0.60	-16.00	-1.90	-14.70	-4.28
27	21	142	2.66	0.28	-0.60	-0.29	-0.03	-0.42	8.03	-4.53	1.18	2.32	6.26
		77	2.11	0.39	-0.58	0.33	-0.53	-0.22	0.22	-8.67	-7.93	-0.52	-2.45
		18	7.90	0.90	-0.68	0.61	-0.38	-0.61	28.46	-7.47	6.64	14.34	17.54
		143	3.30	0.92	-0.66	0.78	-0.52	0.44	-1.36	-14.36	-2.37	-13.35	-3.47
27	25	142	2.59	0.36	-0.79	-0.33	-0.10	-0.56	7.68	-4.56	0.89	2.24	6.08
		77	2.00	0.17	-0.52	0.17	-0.52	-0.07	0.18	-8.20	-7.51	-0.50	-2.30
		18	7.69	0.92	-0.88	0.45	-0.41	-0.79	27.50	-7.50	5.69	14.32	16.96
		143	3.23	0.82	-0.76	0.62	-0.55	0.53	-1.54	-14.14	-2.47	-13.20	-3.30
27	51	142	2.95	1.17	-1.37	-0.04	-0.17	-1.27	8.39	-5.49	0.94	1.96	6.92
		77	2.21	0.63	-1.78	0.16	-1.31	0.96	3.91	-6.49	-6.42	3.84	-0.83
		18	8.74	2.15	-3.05	0.46	-1.36	-2.44	31.74	-7.44	7.40	16.90	19.01
		143	2.74	1.75	-2.78	0.59	-1.62	1.98	-1.84	-12.07	-1.85	-12.07	-0.18
27	83	142	2.76	0.74	-1.06	-0.19	-0.13	-0.90	8.02	-5.00	0.92	2.10	6.49
		77	2.03	0.32	-1.04	0.17	-0.90	0.42	1.85	-7.29	-7.00	1.56	-1.60
		18	8.19	1.50	-1.91	0.45	-0.86	-1.57	29.54	-7.47	6.51	15.55	17.95
		143	2.93	1.25	-1.71	0.60	-1.07	1.22	-1.86	-12.97	-2.17	-12.67	-1.81

28	5	57	5.45	-0.32	-1.41	-1.33	-0.39	-0.28	-1.39	-23.26	-22.73	-1.92	-3.37
		63	5.93	-0.49	-1.58	-1.58	-0.49	-0.02	-2.12	-25.58	-25.43	-2.27	-1.87
		64	5.54	0.55	-1.85	-1.80	0.50	-0.34	-3.16	-24.31	-24.05	-3.41	-2.30
		58	5.62	0.23	-2.00	-0.94	-0.83	1.12	-4.22	-25.21	-25.00	-4.43	-2.11
28	13	57	3.96	-0.22	-1.01	-0.95	-0.28	-0.22	-1.04	-16.94	-16.53	-1.44	-2.50
		63	4.32	-0.35	-1.14	-1.14	-0.35	-0.02	-1.56	-18.65	-18.52	-1.69	-1.47
		64	4.05	0.42	-1.36	-1.32	0.38	-0.26	-2.34	-17.78	-17.57	-2.55	-1.79
		58	4.10	0.20	-1.46	-0.67	-0.60	0.83	-3.11	-18.41	-18.24	-3.27	-1.59
28	21	57	3.78	-0.04	-0.75	-0.61	-0.18	-0.28	-0.97	-16.17	-15.79	-1.35	-2.39
		63	4.09	-0.29	-0.85	-0.85	-0.29	-0.02	-1.43	-17.63	-17.51	-1.55	-1.40
		64	3.83	0.41	-1.09	-1.05	0.36	-0.26	-2.12	-16.80	-16.61	-2.32	-1.69
		58	3.91	0.46	-1.24	-0.40	-0.38	0.85	-2.92	-17.55	-17.40	-3.07	-1.50
28	25	57	3.73	3.07e-03	-0.69	-0.54	-0.15	-0.29	-0.96	-15.96	-15.58	-1.34	-2.36
		63	4.04	-0.27	-0.79	-0.79	-0.27	-0.02	-1.43	-17.44	-17.32	-1.55	-1.39
		64	3.78	0.41	-1.04	-1.00	0.36	-0.26	-2.11	-16.62	-16.42	-2.31	-1.67
		58	3.86	0.52	-1.19	-0.34	-0.33	0.85	-2.91	-17.34	-17.18	-3.06	-1.48
28	35	57	4.08	0.40	-0.22	0.07	0.11	-0.31	-1.11	-17.52	-16.98	-1.66	-2.94
		63	4.37	-0.19	-0.33	-0.20	-0.32	0.05	-1.46	-18.89	-18.61	-1.74	-2.20
		64	4.14	0.34	-0.62	-0.44	0.16	-0.37	-2.35	-18.26	-17.87	-2.74	-2.47
		58	4.23	1.23	-0.86	0.51	-0.14	1.00	-3.14	-18.93	-18.66	-3.42	-2.05
28	67	57	3.90	0.19	-0.46	-0.24	-0.03	-0.30	-1.04	-16.72	-16.26	-1.49	-2.64
		63	4.20	-0.29	-0.51	-0.51	-0.29	0.02	-1.45	-18.14	-17.95	-1.64	-1.78
		64	3.96	0.35	-0.81	-0.72	0.26	-0.31	-2.23	-17.41	-17.13	-2.51	-2.05
		58	4.04	0.85	-1.02	0.08	-0.24	0.92	-3.02	-18.11	-17.90	-3.23	-1.76
29	5	58	5.94	1.98	-1.61	-1.61	1.98	0.03	-4.63	-26.56	-25.91	-5.28	-3.72
		64	5.35	-0.78	-1.72	-1.21	-1.29	0.47	-2.81	-23.50	-23.41	-2.89	-1.31
		65	5.52	-0.08	-0.77	-0.68	-0.18	0.24	-3.66	-24.56	-24.40	-3.81	-1.79
		59	5.06	1.20	0.23	0.34	1.09	0.31	-2.72	-22.29	-21.91	-3.10	-2.70
29	13	58	4.34	1.47	-1.17	-1.17	1.47	0.02	-3.41	-19.39	-18.90	-3.90	-2.77
		64	3.91	-0.57	-1.25	-0.88	-0.94	0.34	-2.09	-17.18	-17.11	-2.16	-1.06
		65	4.04	-0.04	-0.57	-0.50	-0.11	0.17	-2.75	-18.00	-17.87	-2.88	-1.41
		59	3.69	0.91	0.18	0.27	0.82	0.24	-2.05	-16.29	-16.00	-2.34	-2.01
29	21	58	4.13	1.30	-0.93	-0.93	1.30	3.80e-03	-3.22	-18.50	-18.03	-3.68	-2.63
		64	3.70	-0.35	-1.02	-0.65	-0.71	0.33	-1.86	-16.23	-16.16	-1.93	-1.00
		65	3.83	0.07	-0.46	-0.41	0.01	0.16	-2.46	-17.01	-16.89	-2.58	-1.29
		59	3.53	1.02	0.21	0.42	0.82	0.35	-1.91	-15.55	-15.28	-2.18	-1.90
29	25	58	4.08	1.27	-0.87	-0.87	1.27	6.39e-03	-3.21	-18.27	-17.81	-3.67	-2.59
		64	3.65	-0.30	-0.97	-0.61	-0.66	0.33	-1.85	-16.05	-15.98	-1.92	-0.99
		65	3.78	0.10	-0.45	-0.40	0.05	0.16	-2.45	-16.82	-16.70	-2.56	-1.27
		59	3.48	1.06	0.21	0.46	0.82	0.38	-1.90	-15.35	-15.08	-2.17	-1.87
29	34	58	4.54	1.56	-0.03	-0.01	1.54	0.18	-2.97	-20.19	-19.40	-3.76	-3.60
		64	3.99	-0.14	-0.71	-0.14	-0.71	-0.02	-2.27	-17.64	-17.45	-2.46	-1.71
		65	4.11	0.28	-0.03	0.26	-9.30e-03	-0.08	-2.81	-18.32	-18.07	-3.06	-1.98
		59	3.91	1.17	0.78	1.04	0.91	0.18	-1.65	-16.97	-16.44	-2.18	-2.80
29	67	58	4.30	1.42	-0.46	-0.46	1.41	0.09	-3.11	-19.19	-18.59	-3.71	-3.07
		64	3.82	-0.32	-0.76	-0.39	-0.70	0.15	-2.06	-16.82	-16.70	-2.18	-1.33
		65	3.94	0.03	-0.09	-0.08	0.02	0.04	-2.63	-17.55	-17.37	-2.80	-1.60
		59	3.68	1.09	0.51	0.74	0.87	0.28	-1.79	-16.13	-15.75	-2.18	-2.31
30	5	59	5.19	1.07	-0.37	0.07	0.63	0.66	-2.91	-22.93	-22.93	-2.91	-0.25
		65	5.47	0.42	-0.60	-0.35	0.17	0.44	-3.51	-24.30	-24.25	-3.57	1.10
		66	5.42	0.89	-0.27	0.38	0.24	0.57	-2.69	-23.79	-23.75	-2.72	0.90
		60	5.00	1.14	0.01	0.66	0.50	0.56	-2.12	-21.78	-21.78	-2.12	-0.09
30	13	59	3.79	0.80	-0.25	0.08	0.47	0.49	-2.18	-16.76	-16.76	-2.19	-0.23
		65	4.00	0.34	-0.45	-0.26	0.15	0.34	-2.64	-17.82	-17.78	-2.67	0.70
		66	3.97	0.68	-0.19	0.30	0.19	0.43	-2.05	-17.47	-17.45	-2.07	0.56
		60	3.66	0.88	1.75e-03	0.50	0.38	0.44	-1.62	-15.95	-15.95	-1.62	-0.12

30	21	59	3.62	0.75	-0.06	0.27	0.41	0.40	-2.04	-16.00	-15.99	-2.04	-0.19
		65	3.80	0.53	-0.44	-0.17	0.26	0.44	-2.35	-16.83	-16.80	-2.39	0.72
		66	3.77	0.79	-0.15	0.41	0.23	0.46	-1.78	-16.49	-16.46	-1.81	0.63
		60	3.49	1.08	-0.05	0.65	0.38	0.55	-1.49	-15.20	-15.20	-1.49	-0.07
30	25	59	3.57	0.76	-0.03	0.33	0.40	0.39	-2.03	-15.79	-15.79	-2.04	-0.19
		65	3.75	0.58	-0.45	-0.16	0.29	0.46	-2.35	-16.64	-16.61	-2.38	0.72
		66	3.72	0.83	-0.14	0.45	0.24	0.48	-1.77	-16.30	-16.27	-1.80	0.63
		60	3.44	1.13	-0.07	0.68	0.39	0.58	-1.49	-14.99	-14.99	-1.49	-0.07
30	35	59	3.97	1.04	0.54	0.91	0.67	-0.22	-1.95	-17.37	-17.34	-1.99	-0.77
		65	4.10	0.30	0.02	0.30	0.03	0.02	-2.32	-18.09	-18.09	-2.32	0.10
		66	4.09	0.93	0.14	0.92	0.14	0.03	-1.76	-17.76	-17.76	-1.76	0.05
		60	3.84	0.88	0.09	0.88	0.09	-0.01	-1.39	-16.58	-16.55	-1.42	-0.62
30	67	59	3.76	0.67	0.47	0.61	0.53	0.09	-2.00	-16.56	-16.54	-2.01	-0.47
		65	3.91	0.37	-0.14	0.07	0.16	0.25	-2.34	-17.34	-17.33	-2.35	0.43
		66	3.90	0.79	0.08	0.68	0.19	0.26	-1.77	-17.01	-17.00	-1.78	0.36
		60	3.64	0.91	0.12	0.78	0.24	0.29	-1.45	-15.76	-15.75	-1.46	-0.33
31	4	62	5.87	0.07	-5.27	-5.20	4.23e-03	-0.58	0.44	-23.80	-23.80	0.44	-0.25
		68	6.51	-0.20	-3.24	-3.21	-0.24	0.33	-0.09	-26.93	-26.93	-0.09	0.23
		67	6.46	-0.44	-3.24	-3.13	-0.54	-0.53	-0.99	-27.18	-27.15	-1.02	0.86
		61	5.75	0.51	-3.58	-3.48	0.40	-0.64	-0.54	-23.90	-23.90	-0.55	0.44
31	12	62	4.28	0.05	-3.73	-3.69	5.52e-03	-0.41	0.32	-17.37	-17.37	0.31	-0.20
		68	4.77	-0.14	-2.29	-2.26	-0.17	0.23	-0.07	-19.71	-19.71	-0.07	0.16
		67	4.73	-0.30	-2.29	-2.21	-0.38	-0.39	-0.72	-19.89	-19.87	-0.73	0.51
		61	4.19	0.36	-2.53	-2.46	0.29	-0.45	-0.39	-17.44	-17.44	-0.39	0.26
31	17	62	4.04	0.05	-2.14	-2.12	0.04	-0.18	0.32	-16.50	-16.50	0.32	-0.09
		68	4.27	-0.06	-1.38	-1.37	-0.07	0.08	-0.09	-17.74	-17.74	-0.10	0.22
		67	4.27	-0.11	-1.34	-1.28	-0.17	-0.26	-0.48	-17.91	-17.87	-0.53	0.88
		61	3.99	0.20	-1.39	-1.38	0.18	-0.17	-0.28	-16.63	-16.59	-0.33	0.82
31	25	62	4.01	0.05	-2.11	-2.10	0.04	-0.18	0.32	-16.38	-16.38	0.32	-0.09
		68	4.20	-0.06	-1.35	-1.35	-0.07	0.08	-0.10	-17.45	-17.45	-0.10	0.21
		67	4.20	-0.11	-1.31	-1.26	-0.17	-0.26	-0.47	-17.62	-17.57	-0.51	0.87
		61	3.96	0.20	-1.37	-1.36	0.18	-0.17	-0.27	-16.51	-16.47	-0.31	0.82
31	35	62	4.38	0.07	-0.97	-0.95	0.05	-0.15	0.25	-18.04	-18.04	0.25	-0.31
		68	4.57	-0.05	-0.49	-0.45	-0.09	-0.12	-0.15	-19.09	-19.09	-0.15	-1.64e-03
		67	4.55	0.08	-0.70	-0.33	-0.29	-0.39	-0.53	-19.21	-19.19	-0.56	0.64
		61	4.31	0.14	-0.27	-0.26	0.14	-0.06	-0.36	-18.12	-18.10	-0.37	0.57
31	67	62	4.19	0.06	-1.56	-1.55	0.04	-0.17	0.29	-17.19	-17.19	0.28	-0.20
		68	4.38	-0.08	-0.92	-0.92	-0.08	-0.01	-0.12	-18.25	-18.25	-0.13	0.11
		67	4.37	-0.08	-0.95	-0.81	-0.22	-0.32	-0.50	-18.39	-18.36	-0.53	0.76
		61	4.13	0.17	-0.84	-0.83	0.16	-0.12	-0.31	-17.29	-17.26	-0.34	0.70
32	4	61	5.81	-0.73	-4.10	-3.70	-1.13	-1.09	-0.65	-24.25	-24.25	-0.65	0.09
		67	6.42	-0.02	-3.07	-3.06	-0.02	-0.13	-1.01	-26.99	-26.96	-1.04	0.97
		69	6.17	0.40	-3.68	-2.81	-0.46	-1.67	-2.89	-26.84	-26.79	-2.94	1.14
		63	5.65	0.26	-3.82	-3.82	0.25	-0.10	-2.39	-24.34	-24.34	-2.39	0.05
32	12	61	4.24	-0.51	-2.90	-2.62	-0.80	-0.77	-0.46	-17.70	-17.70	-0.46	2.07e-03
		67	4.70	-1.59e-03	-2.16	-2.15	-6.12e-03	-0.10	-0.73	-19.75	-19.73	-0.74	0.60
		69	4.53	0.32	-2.64	-2.02	-0.29	-1.20	-2.08	-19.66	-19.63	-2.11	0.72
		63	4.13	0.18	-2.70	-2.70	0.18	-0.05	-1.73	-17.79	-17.79	-1.73	-0.02
32	17	61	4.03	-0.28	-1.61	-1.48	-0.41	-0.39	-0.36	-16.86	-16.84	-0.37	0.50
		67	4.24	0.11	-1.18	-1.18	0.10	-0.08	-0.48	-17.80	-17.75	-0.53	0.93
		69	4.12	0.44	-1.65	-1.34	0.13	-0.74	-1.42	-17.74	-17.67	-1.49	1.09
		63	3.96	0.05	-1.38	-1.36	0.03	0.19	-1.42	-17.03	-17.01	-1.44	0.58
32	25	61	4.00	-0.28	-1.59	-1.46	-0.41	-0.39	-0.34	-16.74	-16.72	-0.36	0.51
		67	4.17	0.11	-1.16	-1.16	0.10	-0.08	-0.47	-17.50	-17.45	-0.52	0.92
		69	4.06	0.43	-1.63	-1.32	0.12	-0.73	-1.36	-17.44	-17.37	-1.43	1.06
		63	3.93	0.05	-1.36	-1.33	0.02	0.18	-1.38	-16.92	-16.90	-1.40	0.58

32	35	61	4.36	0.10	-0.83	-0.38	-0.35	-0.46	-0.48	-18.37	-18.37	-0.48	-0.03
		67	4.50	0.05	-0.44	-0.25	-0.15	-0.24	-0.82	-19.13	-19.12	-0.84	0.56
		69	4.37	0.59	-0.94	-0.23	-0.12	-0.76	-1.69	-18.97	-18.94	-1.71	0.66
		63	4.28	0.04	-0.06	-0.04	0.02	0.04	-1.36	-18.47	-18.47	-1.36	0.02
32	67	61	4.17	-0.15	-1.17	-0.94	-0.38	-0.43	-0.41	-17.53	-17.52	-0.42	0.25
		67	4.33	0.01	-0.75	-0.72	-0.02	-0.15	-0.64	-18.30	-18.27	-0.67	0.75
		69	4.21	0.45	-1.24	-0.79	4.31e-03	-0.74	-1.52	-18.18	-18.14	-1.57	0.87
		63	4.10	0.04	-0.72	-0.71	0.02	0.11	-1.37	-17.67	-17.66	-1.38	0.31
33	1	63	5.73	-0.22	-3.28	-2.95	-0.55	-0.95	-2.19	-24.67	-24.64	-2.23	0.90
		69	6.14	0.68	-1.24	-1.22	0.67	0.17	-2.36	-26.56	-26.40	-2.52	1.96
		70	5.95	1.01	-3.53	-3.29	0.77	-1.01	-3.79	-26.20	-26.02	-3.97	2.00
		64	5.53	-0.07	-0.87	-0.62	-0.31	0.37	-3.65	-24.62	-24.58	-3.69	0.94
33	9	63	4.18	-0.15	-2.44	-2.17	-0.41	-0.73	-1.60	-18.01	-17.99	-1.62	0.54
		69	4.50	0.51	-0.88	-0.87	0.51	0.11	-1.74	-19.46	-19.37	-1.84	1.27
		70	4.37	0.76	-2.66	-2.47	0.58	-0.78	-2.80	-19.24	-19.14	-2.91	1.29
		64	4.05	-0.04	-0.63	-0.45	-0.22	0.27	-2.67	-18.01	-17.98	-2.69	0.58
33	17	63	3.96	-0.11	-2.15	-1.84	-0.43	-0.74	-1.40	-17.03	-17.01	-1.42	0.51
		69	4.11	0.54	-0.58	-0.58	0.54	3.55e-03	-1.47	-17.73	-17.65	-1.55	1.12
		70	4.02	0.83	-2.63	-2.41	0.61	-0.85	-2.22	-17.55	-17.47	-2.30	1.13
		64	3.84	0.03	-0.55	-0.32	-0.19	0.28	-2.34	-17.03	-17.01	-2.36	0.59
33	25	63	3.94	-0.11	-2.12	-1.80	-0.43	-0.73	-1.35	-16.92	-16.90	-1.37	0.51
		69	4.04	0.53	-0.57	-0.57	0.53	1.79e-03	-1.41	-17.42	-17.35	-1.48	1.09
		70	3.96	0.82	-2.59	-2.37	0.60	-0.84	-2.08	-17.25	-17.17	-2.16	1.10
		64	3.83	0.03	-0.54	-0.32	-0.19	0.28	-2.27	-16.93	-16.91	-2.29	0.59
33	35	63	4.26	0.18	-0.85	-0.41	-0.26	-0.51	-1.61	-18.49	-18.49	-1.61	-0.14
		69	4.35	0.36	-0.19	0.31	-0.13	-0.16	-1.92	-18.99	-18.96	-1.94	0.61
		70	4.23	0.48	-1.65	-1.10	-0.08	-0.94	-2.54	-18.66	-18.64	-2.56	0.59
		64	4.17	0.90	-0.33	0.72	-0.15	0.43	-2.51	-18.42	-18.42	-2.51	-0.09
33	66	63	4.10	-9.34e-03	-1.46	-1.12	-0.35	-0.61	-1.48	-17.68	-17.68	-1.49	0.19
		69	4.18	0.24	-0.17	-0.15	0.23	-0.07	-1.65	-18.18	-18.13	-1.70	0.85
		70	4.09	0.61	-2.05	-1.73	0.29	-0.87	-2.30	-17.93	-17.88	-2.35	0.85
		64	3.99	0.39	-0.39	0.17	-0.17	0.35	-2.39	-17.65	-17.65	-2.40	0.25
34	1	64	5.54	0.90	-1.69	-1.25	0.46	-0.97	-3.78	-24.63	-24.60	-3.81	0.80
		70	5.92	-0.15	-3.60	-2.85	-0.90	1.43	-3.72	-26.07	-25.86	-3.92	2.13
		71	5.76	0.31	-1.24	-0.81	-0.12	-0.69	-4.79	-25.98	-25.87	-4.90	1.51
		65	5.32	0.87	-1.72	-0.74	-0.12	1.26	-3.48	-23.64	-23.59	-3.53	0.98
34	9	64	4.05	0.71	-1.28	-0.93	0.36	-0.76	-2.78	-18.02	-18.01	-2.80	0.47
		70	4.34	-0.11	-2.70	-2.13	-0.69	1.07	-2.73	-19.13	-19.01	-2.85	1.40
		71	4.24	0.24	-0.98	-0.63	-0.11	-0.55	-3.57	-19.12	-19.06	-3.63	0.94
		65	3.90	0.67	-1.29	-0.56	-0.06	0.95	-2.58	-17.34	-17.32	-2.60	0.62
34	17	64	3.85	0.87	-1.21	-0.78	0.45	-0.84	-2.45	-17.04	-17.03	-2.46	0.46
		70	4.00	-0.11	-2.68	-2.06	-0.73	1.10	-2.11	-17.46	-17.35	-2.21	1.25
		71	3.92	0.24	-1.06	-0.66	-0.15	-0.60	-2.69	-17.45	-17.39	-2.75	0.96
		65	3.72	0.81	-1.30	-0.54	0.05	1.02	-2.18	-16.42	-16.39	-2.21	0.68
34	25	64	3.83	0.86	-1.19	-0.77	0.44	-0.83	-2.36	-16.94	-16.92	-2.38	0.47
		70	3.94	-0.11	-2.64	-2.03	-0.72	1.08	-1.98	-17.17	-17.07	-2.08	1.22
		71	3.86	0.24	-1.05	-0.65	-0.15	-0.60	-2.47	-17.15	-17.09	-2.54	0.98
		65	3.71	0.80	-1.28	-0.53	0.05	1.00	-2.09	-16.33	-16.30	-2.13	0.69
34	51	64	4.11	1.35	1.12	1.14	1.32	0.07	-3.14	-18.41	-18.27	-3.27	-1.41
		70	4.30	0.07	-2.18	-0.80	-1.31	-1.10	-0.33	-18.05	-18.04	-0.34	-0.48
		71	4.23	2.38	-3.96	-0.62	-0.96	-3.16	-0.73	-17.96	-17.96	-0.73	-0.13
		65	3.89	0.25	-0.52	-0.33	0.06	0.33	-2.95	-17.44	-17.42	-2.98	-0.62
34	83	64	3.93	1.04	-0.04	0.14	0.86	-0.40	-2.79	-17.59	-17.58	-2.81	-0.43
		70	4.09	-0.99	-1.44	-1.43	-1.00	0.04	-1.24	-17.55	-17.54	-1.25	0.41
		71	4.03	1.23	-2.41	-0.63	-0.54	-1.82	-1.67	-17.53	-17.51	-1.68	0.45
		65	3.78	0.54	-0.91	-0.43	0.06	0.68	-2.53	-16.84	-16.84	-2.53	0.07

35	8	65	5.20	-0.73	-2.43	-1.32	-1.84	-0.81	-4.76	-23.59	-23.59	-4.76	-0.13
		71	5.95	3.58	-1.61	-0.80	2.77	-1.88	-1.18	-25.15	-25.10	-1.23	-1.07
		72	5.62	1.88	-4.30	-1.73	-0.69	-3.04	-2.64	-24.51	-24.50	-2.65	0.48
		66	5.35	2.73	1.00	1.80	1.93	0.86	-2.10	-23.18	-23.15	-2.13	-0.88
35	16	65	3.82	-0.49	-1.63	-0.94	-1.18	-0.56	-3.44	-17.32	-17.32	-3.44	-0.14
		71	4.36	2.27	-1.10	-0.64	1.81	-1.16	-1.11	-18.57	-18.54	-1.15	-0.75
		72	4.14	1.26	-3.00	-1.21	-0.52	-2.10	-2.03	-18.10	-18.10	-2.04	0.26
		66	3.93	2.02	0.58	1.23	1.37	0.72	-1.66	-17.06	-17.04	-1.69	-0.62
35	17	65	3.74	0.45	-0.42	-0.41	0.44	-0.10	-2.13	-16.48	-16.46	-2.15	0.52
		71	3.92	0.33	-1.62	-0.89	-0.40	0.94	-2.77	-17.47	-17.36	-2.87	1.21
		72	3.83	0.06	-0.84	-0.30	-0.48	-0.44	-2.06	-16.88	-16.84	-2.10	0.79
		66	3.70	1.73	-0.79	0.31	0.63	1.25	-1.98	-16.30	-16.27	-2.01	0.67
35	25	65	3.72	0.45	-0.41	-0.40	0.43	-0.10	-2.05	-16.39	-16.37	-2.08	0.54
		71	3.87	0.32	-1.59	-0.88	-0.39	0.93	-2.55	-17.16	-17.06	-2.65	1.22
		72	3.78	0.06	-0.83	-0.29	-0.47	-0.44	-1.89	-16.61	-16.56	-1.94	0.84
		66	3.69	1.71	-0.78	0.31	0.62	1.23	-1.89	-16.20	-16.17	-1.92	0.69
35	38	65	3.97	0.17	0.01	0.16	0.02	-0.03	-2.32	-17.56	-17.51	-2.37	0.90
		71	4.13	1.05	-1.93	-0.38	-0.50	1.49	-2.00	-18.07	-17.93	-2.14	1.50
		72	4.11	1.32	-0.61	1.21	-0.50	0.44	-1.45	-17.67	-17.56	-1.56	1.33
		66	3.97	2.14	-0.24	1.64	0.25	0.97	-2.08	-17.36	-17.28	-2.17	1.14
35	70	65	3.84	0.24	-0.13	-0.12	0.23	-0.07	-2.19	-16.96	-16.93	-2.22	0.71
		71	4.00	0.66	-1.72	-0.63	-0.43	1.18	-2.29	-17.61	-17.49	-2.41	1.35
		72	3.94	0.44	-0.48	0.44	-0.48	-0.02	-1.68	-17.13	-17.05	-1.76	1.08
		66	3.82	1.83	-0.43	0.96	0.44	1.10	-1.98	-16.77	-16.71	-2.04	0.90
36	4	68	6.56	-0.06	-3.27	-3.24	-0.08	-0.27	0.29	-26.93	-26.93	0.29	0.13
		74	6.33	-0.10	-2.83	-2.79	-0.14	0.34	-0.06	-26.19	-26.18	-0.07	0.34
		73	6.29	-0.33	-1.82	-1.82	-0.33	-1.17e-03	-0.72	-26.45	-26.37	-0.80	1.39
		67	6.49	0.06	-3.12	-2.90	-0.16	-0.81	-0.89	-27.26	-27.22	-0.93	1.06
36	12	68	4.80	-0.04	-2.30	-2.29	-0.06	-0.18	0.20	-19.71	-19.71	0.20	0.07
		74	4.67	-0.07	-1.98	-1.96	-0.10	0.23	-0.04	-19.30	-19.30	-0.05	0.22
		73	4.63	-0.23	-1.24	-1.24	-0.23	-0.02	-0.54	-19.48	-19.44	-0.58	0.87
		67	4.75	0.05	-2.20	-2.04	-0.11	-0.58	-0.64	-19.93	-19.91	-0.66	0.65
36	17	68	4.29	-6.69e-03	-1.40	-1.40	-7.49e-03	-0.03	0.19	-17.67	-17.67	0.18	0.15
		74	4.02	-0.02	-1.19	-1.19	-0.02	0.08	-0.07	-16.68	-16.67	-0.08	0.26
		73	4.01	-0.06	-0.58	-0.55	-0.09	-0.12	-0.26	-16.81	-16.72	-0.34	1.19
		67	4.27	0.07	-1.24	-1.16	-7.06e-04	-0.30	-0.42	-17.90	-17.84	-0.48	1.01
36	25	68	4.22	-6.62e-03	-1.37	-1.37	-7.42e-03	-0.03	0.19	-17.37	-17.37	0.18	0.15
		74	3.92	-0.02	-1.17	-1.16	-0.02	0.08	-0.08	-16.29	-16.29	-0.08	0.26
		73	3.92	-0.06	-0.57	-0.54	-0.09	-0.12	-0.24	-16.41	-16.32	-0.33	1.21
		67	4.20	0.07	-1.22	-1.14	-1.04e-03	-0.30	-0.40	-17.59	-17.54	-0.46	1.00
36	51	68	4.82	3.60	0.10	3.48	0.22	0.63	-0.17	-19.90	-19.89	-0.18	-0.46
		74	4.55	3.63	-0.11	3.42	0.10	-0.86	-0.28	-18.80	-18.80	-0.29	-0.31
		73	4.52	2.99	-0.79	2.69	-0.49	-1.03	-0.50	-18.81	-18.78	-0.53	0.70
		67	4.75	2.29	-0.29	2.18	-0.18	0.51	-0.80	-20.01	-20.00	-0.81	0.48
36	83	68	4.48	1.02	0.01	0.93	0.10	0.28	0.01	-18.58	-18.58	0.01	-0.14
		74	4.20	1.14	-0.09	1.01	0.03	-0.37	-0.18	-17.49	-17.49	-0.18	-0.01
		73	4.19	1.20	-0.49	0.99	-0.28	-0.55	-0.37	-17.56	-17.50	-0.43	0.97
		67	4.44	0.45	-0.10	0.44	-0.09	0.09	-0.60	-18.75	-18.72	-0.63	0.75
37	4	67	6.47	-0.26	-3.43	-3.05	-0.63	-1.03	-0.98	-27.20	-27.17	-1.01	0.95
		73	6.29	-0.39	-1.57	-1.55	-0.42	0.17	-0.71	-26.44	-26.37	-0.77	1.30
		75	6.19	-0.22	-2.08	-1.30	-1.00	-0.92	-2.93	-27.08	-27.00	-3.01	1.40
		69	6.25	0.28	-3.09	-2.27	-0.53	-1.45	-2.92	-27.21	-27.15	-2.98	1.21
37	12	67	4.73	-0.17	-2.43	-2.16	-0.44	-0.73	-0.70	-19.89	-19.87	-0.72	0.58
		73	4.63	-0.27	-1.05	-1.04	-0.28	0.10	-0.52	-19.47	-19.44	-0.56	0.82
		75	4.56	-0.09	-1.50	-0.88	-0.71	-0.70	-2.11	-19.93	-19.89	-2.15	0.88
		69	4.58	0.25	-2.20	-1.60	-0.35	-1.06	-2.10	-19.92	-19.89	-2.14	0.76

37	17	67	4.25	-0.04	-1.41	-1.29	-0.17	-0.39	-0.47	-17.85	-17.80	-0.51	0.90
		73	4.01	-0.04	-0.33	-0.32	-0.05	-0.05	-0.27	-16.80	-16.73	-0.35	1.10
		75	3.98	0.42	-1.01	-0.24	-0.36	-0.71	-1.03	-17.07	-16.97	-1.12	1.23
		69	4.15	0.47	-1.26	-0.86	0.07	-0.73	-1.42	-17.87	-17.80	-1.49	1.13
37	25	67	4.18	-0.04	-1.39	-1.27	-0.17	-0.39	-0.45	-17.54	-17.50	-0.50	0.89
		73	3.91	-0.04	-0.32	-0.31	-0.05	-0.05	-0.26	-16.41	-16.33	-0.34	1.12
		75	3.88	0.41	-1.00	-0.23	-0.35	-0.70	-0.97	-16.62	-16.53	-1.07	1.24
		69	4.08	0.47	-1.25	-0.85	0.07	-0.72	-1.36	-17.56	-17.48	-1.43	1.10
37	51	67	4.70	2.06	-0.65	2.06	-0.65	0.09	-1.58	-20.11	-20.11	-1.59	-0.18
		73	4.45	3.23	-0.25	2.94	0.04	-0.95	-1.52	-19.00	-18.99	-1.53	0.28
		75	4.34	2.67	-1.46	2.02	-0.82	-1.50	-2.18	-18.87	-18.86	-2.19	0.38
		69	4.51	1.16	-0.68	1.16	-0.68	0.03	-2.44	-19.76	-19.76	-2.44	0.02
37	67	67	4.37	-0.14	-0.82	-0.71	-0.24	-0.25	-0.65	-18.49	-18.46	-0.69	0.76
		73	4.12	0.16	-0.09	0.12	-0.05	-0.09	-0.47	-17.38	-17.32	-0.53	1.02
		75	4.09	0.59	-0.81	0.17	-0.39	-0.64	-1.17	-17.55	-17.47	-1.25	1.14
		69	4.26	0.33	-0.73	-0.37	-0.04	-0.50	-1.54	-18.45	-18.39	-1.60	0.97
38	1	69	6.28	0.29	-4.85	-4.12	-0.45	-1.81	-2.27	-26.94	-26.77	-2.43	2.01
		75	6.15	3.03	-0.19	3.03	-0.19	-0.08	-1.62	-26.15	-26.00	-1.78	1.94
		76	6.38	0.22	-8.30	-6.06	-2.02	-3.75	-3.31	-27.70	-27.51	-3.50	2.17
		70	5.97	2.20	0.93	1.01	2.11	-0.32	-4.01	-26.59	-26.34	-4.26	2.36
38	9	69	4.60	0.24	-3.69	-3.10	-0.35	-1.40	-1.68	-19.74	-19.64	-1.77	1.29
		75	4.54	2.41	-0.15	2.41	-0.15	-0.06	-1.24	-19.30	-19.21	-1.33	1.24
		76	4.70	0.20	-6.39	-4.66	-1.54	-2.90	-2.51	-20.42	-20.31	-2.62	1.38
		70	4.37	1.67	0.75	0.81	1.61	-0.23	-2.96	-19.50	-19.36	-3.11	1.54
38	17	69	4.19	0.33	-3.84	-3.10	-0.41	-1.59	-1.42	-17.93	-17.85	-1.50	1.12
		75	4.02	3.02	-0.14	3.01	-0.14	-0.11	-1.01	-16.98	-16.89	-1.10	1.23
		76	4.12	0.33	-7.04	-5.09	-1.62	-3.25	-1.85	-17.69	-17.58	-1.96	1.27
		70	4.01	1.77	1.01	1.06	1.72	-0.18	-2.35	-17.72	-17.61	-2.46	1.30
38	25	69	4.12	0.32	-3.78	-3.05	-0.41	-1.57	-1.36	-17.61	-17.53	-1.44	1.08
		75	3.92	2.98	-0.14	2.98	-0.14	-0.11	-0.95	-16.54	-16.44	-1.05	1.24
		76	4.00	0.33	-6.94	-5.01	-1.60	-3.21	-1.70	-17.14	-17.03	-1.81	1.26
		70	3.95	1.74	1.00	1.05	1.69	-0.18	-2.21	-17.40	-17.30	-2.31	1.25
38	39	69	4.34	0.57	-3.20	-2.53	-0.10	-1.44	-1.02	-18.41	-18.26	-1.17	1.59
		75	4.19	1.88	-0.62	1.58	-0.32	0.81	0.22	-17.21	-17.07	0.08	1.58
		76	4.32	0.11	-4.60	-3.70	-0.79	-1.85	-0.48	-18.01	-17.81	-0.67	1.84
		70	4.25	1.49	0.84	0.84	1.49	-0.02	-1.82	-18.54	-18.31	-2.05	1.95
38	71	69	4.23	0.44	-3.48	-2.78	-0.27	-1.50	-1.21	-18.00	-17.90	-1.31	1.33
		75	4.05	2.35	-0.27	2.30	-0.22	0.34	-0.40	-16.88	-16.76	-0.52	1.40
		76	4.15	0.21	-5.77	-4.36	-1.20	-2.54	-1.13	-17.57	-17.43	-1.27	1.54
		70	4.10	1.60	0.94	0.95	1.58	-0.10	-2.03	-17.96	-17.80	-2.19	1.58
39	7	70	5.44	1.83	-2.40	0.05	-0.62	-2.09	0.20	-22.40	-20.46	-1.74	6.32
		76	5.94	3.41	-4.12	-2.06	1.35	3.36	3.70	-22.37	-22.09	3.43	2.67
		2	12.13	1.35	-3.03	-2.02	0.34	-1.84	26.65	-31.61	-25.36	20.39	18.03
		71	4.98	1.22	-1.57	-1.33	0.98	0.79	-17.81	-22.78	-21.69	-18.90	-2.06
39	15	70	3.99	1.59	-1.94	0.10	-0.46	-1.74	-0.38	-16.68	-15.57	-1.50	4.11
		76	4.35	2.60	-3.17	-1.47	0.90	2.63	2.21	-16.67	-16.49	2.04	1.80
		2	8.34	1.24	-2.55	-1.53	0.22	-1.68	16.72	-23.21	-19.44	12.95	11.68
		71	3.58	0.92	-1.29	-0.98	0.60	0.77	-12.35	-16.56	-16.12	-12.79	-1.29
39	23	70	3.96	1.90	-3.20	-0.65	-0.65	-2.55	-2.19	-17.46	-17.30	-2.35	1.54
		76	3.78	2.24	-4.00	-1.73	-0.03	3.00	-0.62	-15.82	-15.62	-0.82	1.74
		2	4.92	2.17	-4.83	-1.82	-0.85	-3.47	0.47	-20.25	-19.95	0.18	2.46
		71	3.49	1.60	-2.32	-1.06	0.34	1.83	-4.17	-16.03	-15.93	-4.27	1.08
39	25	70	4.05	1.95	-3.60	-0.92	-0.73	-2.78	-2.64	-18.00	-17.94	-2.69	0.92
		76	3.73	2.15	-4.30	-1.87	-0.28	3.12	-1.38	-15.93	-15.72	-1.59	1.76
		2	4.63	2.42	-5.54	-1.93	-1.19	-3.96	-3.35	-20.61	-20.61	-3.35	0.17
		71	3.71	1.85	-2.64	-1.11	0.32	2.13	-2.05	-16.20	-16.00	-2.25	1.67

39	55	70	3.99	2.37	-3.44	-1.31	0.24	-2.80	-3.92	-18.19	-17.60	-4.51	2.85
		76	5.38	2.73	-4.94	-2.58	0.37	3.54	12.42	-13.08	-12.62	11.96	3.39
		2	6.28	2.17	-3.23	-1.33	0.28	-2.58	11.51	-18.42	-17.15	10.24	6.04
		71	4.63	1.31	-1.29	-0.54	0.56	1.18	-0.65	-19.45	-15.89	-4.20	7.36
39	79	70	3.91	2.22	-3.79	-1.23	-0.34	-2.97	-3.28	-17.67	-17.44	-3.51	1.79
		76	4.23	2.52	-4.91	-2.44	0.05	3.50	5.33	-14.00	-13.68	5.01	2.46
		2	5.14	2.34	-5.06	-2.14	-0.58	-3.61	3.53	-19.39	-19.07	3.22	2.66
		71	3.98	1.55	-2.50	-1.30	0.35	1.85	-1.65	-17.10	-15.64	-3.11	4.51
40	7	71	7.21	3.56	-5.50	-1.07	-0.88	-4.53	14.14	-20.16	-19.53	13.51	-4.61
		2	12.73	4.39	-9.82	-3.25	-2.18	7.09	-13.27	-57.48	-33.71	-37.04	22.04
		78	4.92	1.86	-6.13	-2.29	-1.97	-3.99	-12.52	-23.65	-22.22	-13.95	3.72
		72	6.52	3.82	-5.83	-1.49	-0.52	4.80	-3.41	-28.36	-27.12	-4.65	5.42
40	15	71	5.13	2.67	-3.97	-0.78	-0.52	-3.32	9.13	-15.11	-14.67	8.69	-3.22
		2	8.77	3.19	-7.22	-2.46	-1.57	5.18	-10.21	-39.91	-25.01	-25.11	14.85
		78	3.61	1.55	-4.62	-1.75	-1.32	-3.08	-8.81	-17.36	-16.62	-9.55	2.40
		72	4.74	2.86	-4.38	-1.14	-0.38	3.60	-2.71	-20.72	-19.97	-3.46	3.59
40	23	71	3.82	1.72	-2.96	-0.83	-0.41	-2.33	0.52	-15.58	-15.56	0.51	-0.52
		2	5.15	2.42	-5.09	-2.44	-0.23	3.59	-6.18	-23.45	-21.36	-8.26	5.63
		78	3.50	2.50	-4.13	-1.64	7.27e-03	-3.21	-3.47	-15.94	-15.80	-3.62	1.32
		72	4.09	2.78	-3.72	-0.60	-0.33	3.25	-2.38	-17.99	-17.79	-2.59	1.79
40	25	71	3.65	1.44	-2.75	-0.88	-0.43	-2.08	-1.60	-15.89	-15.89	-1.61	0.12
		2	4.88	2.30	-4.60	-2.47	0.16	3.19	-3.81	-21.65	-21.00	-4.46	3.35
		78	3.63	2.79	-4.05	-1.62	0.37	-3.27	-2.18	-16.02	-15.94	-2.26	1.01
		72	3.98	2.81	-3.57	-0.44	-0.33	3.19	-2.41	-17.56	-17.44	-2.52	1.31
40	47	71	4.37	1.61	-4.41	-1.70	-1.10	-2.99	2.60	-16.62	-14.66	0.64	5.81
		2	6.62	2.22	-6.83	-3.30	-1.31	4.41	-12.57	-31.03	-23.68	-19.93	9.04
		78	4.55	1.83	-3.70	-1.50	-0.37	-2.71	-15.04	-21.26	-18.47	-17.83	3.09
		72	4.24	1.80	-4.43	-1.04	-1.59	3.10	0.43	-17.25	-16.48	-0.34	3.61
40	79	71	3.81	1.52	-3.55	-1.27	-0.75	-2.52	-0.01	-15.82	-15.30	-0.53	2.83
		2	5.38	2.25	-5.66	-2.87	-0.54	3.78	-9.04	-25.05	-22.27	-11.82	6.06
		78	3.67	2.33	-3.89	-1.57	0.01	-3.01	-9.16	-17.64	-17.14	-9.67	2.00
		72	4.07	2.32	-3.98	-0.73	-0.93	3.15	-1.12	-17.34	-16.98	-1.48	2.40
41	4	74	6.37	-0.11	-2.86	-2.85	-0.13	-0.19	0.09	-26.28	-26.28	0.09	0.10
		80	5.58	-0.10	-2.69	-2.66	-0.12	0.27	9.55e-03	-23.02	-23.01	1.12e-03	0.44
		79	5.52	-0.13	-0.83	-0.83	-0.13	-9.05e-03	-0.54	-23.21	-23.09	-0.66	1.67
		73	6.33	0.03	-1.89	-1.79	-0.07	-0.43	-0.76	-26.61	-26.54	-0.83	1.27
41	12	74	4.70	-0.08	-2.02	-2.01	-0.09	-0.13	0.06	-19.37	-19.37	0.06	0.05
		80	4.16	-0.07	-1.85	-1.83	-0.09	0.18	7.35e-03	-17.17	-17.17	2.26e-03	0.30
		79	4.11	-0.09	-0.49	-0.49	-0.09	-0.04	-0.41	-17.29	-17.22	-0.48	1.07
		73	4.66	0.04	-1.30	-1.22	-0.04	-0.31	-0.56	-19.59	-19.56	-0.59	0.78
41	17	74	4.04	-0.03	-1.30	-1.30	-0.03	-7.64e-04	0.03	-16.70	-16.70	0.03	0.12
		80	3.62	-0.02	-0.87	-0.87	-0.02	0.03	-6.40e-04	-15.01	-15.00	-6.95e-03	0.31
		79	3.62	0.44	-0.20	0.25	-7.83e-03	-0.29	-0.20	-15.15	-15.04	-0.31	1.30
		73	4.03	0.10	-0.55	-0.49	0.04	-0.19	-0.28	-16.88	-16.80	-0.36	1.13
41	25	74	3.94	-0.03	-1.27	-1.27	-0.03	-9.59e-04	0.03	-16.31	-16.31	0.03	0.12
		80	3.53	-0.02	-0.85	-0.85	-0.02	0.03	-9.15e-04	-14.66	-14.65	-7.48e-03	0.31
		79	3.54	0.44	-0.19	0.25	-7.92e-03	-0.29	-0.17	-14.81	-14.69	-0.29	1.34
		73	3.93	0.10	-0.54	-0.48	0.04	-0.19	-0.27	-16.48	-16.40	-0.35	1.15
41	51	74	4.51	3.70	-0.12	3.45	0.13	0.95	-0.12	-18.58	-18.58	-0.13	-0.25
		80	4.10	3.74	-0.22	3.48	0.04	-0.98	-0.32	-16.96	-16.96	-0.32	-0.04
		79	4.10	3.76	-0.67	3.43	-0.34	-1.17	-0.55	-17.03	-16.97	-0.60	0.98
		73	4.49	3.20	-0.51	2.98	-0.28	0.89	-0.46	-18.67	-18.64	-0.50	0.79
41	83	74	4.19	1.16	-0.14	0.97	0.05	0.45	-0.04	-17.40	-17.40	-0.04	-0.06
		80	3.79	1.35	-0.14	1.20	9.51e-03	-0.45	-0.16	-15.76	-15.76	-0.16	0.14
		79	3.81	1.99	-0.40	1.75	-0.16	-0.71	-0.35	-15.87	-15.79	-0.44	1.17
		73	4.19	1.24	-0.19	1.16	-0.12	0.33	-0.36	-17.53	-17.47	-0.42	0.98

42	4	73	6.32	-0.25	-2.21	-2.11	-0.34	-0.43	-0.77	-26.55	-26.50	-0.81	1.11
		79	5.50	-0.29	-0.70	-0.70	-0.29	-0.01	-0.61	-23.18	-23.08	-0.71	1.52
		81	5.36	1.20	-0.84	1.02	-0.66	-0.57	-1.91	-23.12	-23.00	-2.03	1.59
		75	6.17	0.97	-1.23	-0.16	-0.10	-1.10	-2.91	-27.05	-26.98	-2.98	1.27
42	12	73	4.65	-0.16	-1.54	-1.46	-0.23	-0.31	-0.56	-19.55	-19.53	-0.59	0.68
		79	4.10	-0.18	-0.40	-0.39	-0.19	-0.04	-0.46	-17.27	-17.22	-0.52	0.98
		81	4.00	1.01	-0.61	0.87	-0.47	-0.46	-1.41	-17.23	-17.16	-1.48	1.02
		75	4.55	0.79	-0.85	-0.01	-0.04	-0.82	-2.09	-19.90	-19.87	-2.13	0.78
42	17	73	4.02	0.02	-0.75	-0.71	-0.02	-0.17	-0.31	-16.84	-16.78	-0.37	1.01
		79	3.61	0.53	-0.17	0.36	1.54e-03	-0.30	-0.22	-15.14	-15.04	-0.32	1.19
		81	3.57	1.58	-0.42	1.35	-0.18	-0.64	-0.86	-15.15	-15.04	-0.97	1.24
		75	3.98	1.12	-0.35	0.58	0.20	-0.71	-1.03	-17.03	-16.95	-1.11	1.12
42	25	73	3.92	0.02	-0.74	-0.70	-0.02	-0.17	-0.29	-16.44	-16.37	-0.36	1.03
		79	3.54	0.53	-0.17	0.36	1.17e-03	-0.30	-0.20	-14.79	-14.69	-0.30	1.23
		81	3.50	1.56	-0.41	1.33	-0.18	-0.63	-0.79	-14.82	-14.70	-0.91	1.30
		75	3.88	1.11	-0.34	0.58	0.19	-0.70	-0.97	-16.58	-16.50	-1.05	1.14
42	51	73	4.40	3.11	-0.12	2.88	0.11	0.83	-1.51	-18.82	-18.82	-1.52	0.33
		79	4.06	3.91	-0.63	3.53	-0.25	-1.25	-1.11	-17.12	-17.08	-1.15	0.78
		81	3.94	3.79	-1.25	3.27	-0.73	-1.53	-1.65	-16.87	-16.81	-1.71	0.90
		75	4.31	2.97	-0.33	2.92	-0.28	0.39	-2.14	-18.68	-18.67	-2.15	0.50
42	83	73	4.14	1.09	-0.05	1.00	0.04	0.31	-0.88	-17.58	-17.55	-0.91	0.70
		79	3.78	2.11	-0.37	1.86	-0.12	-0.75	-0.64	-15.90	-15.84	-0.71	1.02
		81	3.71	2.61	-0.81	2.25	-0.44	-1.06	-1.20	-15.80	-15.71	-1.29	1.11
		75	4.08	1.70	-0.05	1.69	-0.04	-0.18	-1.53	-17.59	-17.54	-1.58	0.84
43	1	75	6.17	0.08	-2.63	-2.60	0.06	-0.25	-1.68	-26.28	-26.16	-1.80	1.67
		81	5.32	3.79	-0.48	3.32	-8.53e-03	-1.34	-1.61	-22.62	-22.51	-1.73	1.56
		82	5.05	0.58	-1.46	0.49	-1.36	0.44	-2.98	-22.31	-22.20	-3.09	1.47
		76	6.30	8.59	-0.68	7.25	0.67	-3.27	-3.40	-27.18	-27.10	-3.48	1.35
43	9	75	4.55	0.07	-1.98	-1.96	0.05	-0.20	-1.28	-19.39	-19.33	-1.34	1.05
		81	3.97	3.00	-0.38	2.63	-0.01	-1.05	-1.22	-16.89	-16.83	-1.28	0.99
		82	3.78	0.46	-1.14	0.39	-1.07	0.33	-2.20	-16.67	-16.61	-2.26	0.94
		76	4.64	6.67	-0.51	5.63	0.53	-2.52	-2.54	-20.01	-19.97	-2.58	0.82
43	17	75	4.02	0.11	-2.03	-2.00	0.08	-0.27	-1.03	-17.07	-16.99	-1.10	1.12
		81	3.60	3.63	-0.42	3.21	3.29e-05	-1.23	-0.87	-15.13	-15.03	-0.97	1.21
		82	3.46	0.56	-1.29	0.49	-1.23	0.34	-1.52	-15.04	-14.94	-1.62	1.19
		76	4.07	7.58	-0.51	6.42	0.65	-2.84	-1.81	-17.23	-17.17	-1.87	0.96
43	25	75	3.92	0.11	-2.00	-1.97	0.08	-0.26	-0.97	-16.62	-16.54	-1.05	1.15
		81	3.53	3.58	-0.41	3.17	-9.08e-04	-1.22	-0.79	-14.80	-14.68	-0.91	1.27
		82	3.40	0.55	-1.28	0.49	-1.21	0.33	-1.37	-14.73	-14.61	-1.48	1.25
		76	3.96	7.48	-0.50	6.34	0.64	-2.80	-1.65	-16.70	-16.63	-1.72	1.00
43	34	75	4.19	0.25	-0.90	-0.75	0.10	0.39	-2.35	-18.45	-18.40	-2.41	0.93
		81	3.92	3.38	-0.51	3.02	-0.15	-1.12	-1.24	-16.63	-16.50	-1.37	1.41
		82	3.77	0.49	-1.19	0.49	-1.19	-5.61e-03	-1.80	-16.45	-16.31	-1.94	1.44
		76	4.24	5.47	-0.11	5.05	0.31	-1.46	-2.94	-18.52	-18.43	-3.04	1.22
43	66	75	4.05	0.09	-1.38	-1.38	0.08	0.05	-1.63	-17.51	-17.44	-1.70	1.05
		81	3.72	3.47	-0.45	3.09	-0.07	-1.16	-1.01	-15.69	-15.57	-1.13	1.34
		82	3.58	0.50	-1.21	0.49	-1.19	0.17	-1.58	-15.57	-15.44	-1.71	1.34
		76	4.09	6.46	-0.29	5.70	0.48	-2.14	-2.27	-17.59	-17.51	-2.35	1.11
44	7	76	6.37	6.68	-1.44	4.48	0.76	3.61	3.08	-24.65	-24.34	2.76	2.94
		82	3.67	5.88	-1.64	3.48	0.76	-3.50	-1.56	-15.81	-15.76	-1.61	-0.82
		83	6.00	7.17	-2.18	4.72	0.27	4.11	-10.30	-28.30	-20.32	-18.27	8.94
		2	9.72	10.25	-1.86	6.67	1.72	-5.53	24.42	-22.12	-17.93	20.22	-13.33
44	15	76	4.72	5.23	-1.08	3.66	0.50	2.73	1.80	-18.47	-18.29	1.62	1.92
		82	2.85	4.62	-1.21	2.80	0.61	-2.70	-1.25	-12.29	-12.25	-1.29	-0.63
		83	4.24	5.41	-1.53	3.69	0.19	2.99	-7.65	-20.11	-15.41	-12.35	6.04
		2	6.72	7.74	-1.40	5.12	1.22	-4.14	15.77	-16.42	-13.58	12.94	-9.12

44	24	76	4.16	5.17	-1.95	3.81	-0.60	2.79	-2.01	-17.96	-17.87	-2.11	1.23
		82	3.38	3.75	-1.26	1.93	0.56	-2.41	-1.55	-14.60	-14.50	-1.65	1.15
		83	3.70	4.72	-0.03	3.89	0.80	1.80	-0.07	-15.21	-15.02	-0.25	1.66
		2	3.32	5.76	-1.83	4.87	-0.94	-2.44	-5.58	-15.31	-15.24	-5.65	0.84
44	25	76	4.19	5.21	-1.75	3.84	-0.38	2.77	-1.40	-17.82	-17.70	-1.51	1.34
		82	3.27	3.98	-1.23	2.16	0.58	-2.48	-1.46	-14.10	-14.04	-1.52	0.91
		83	3.57	4.84	-0.32	3.87	0.66	2.02	-1.61	-15.38	-14.99	-2.00	2.29
		2	3.36	6.11	-1.67	4.92	-0.48	-2.80	-2.65	-14.75	-14.72	-2.68	-0.61
44	55	76	5.52	3.39	-1.01	2.02	0.37	2.04	12.07	-14.34	-14.29	12.02	1.13
		82	3.02	2.21	-0.64	0.70	0.87	-1.42	-4.37	-14.11	-14.08	-4.39	0.48
		83	3.30	5.26	-1.72	3.12	0.42	3.22	-4.75	-15.15	-14.94	-4.96	-1.48
		2	5.07	6.30	-1.61	4.00	0.69	-3.59	11.25	-13.01	-12.53	10.77	-3.37
44	83	76	4.21	5.71	-2.12	4.36	-0.77	2.95	-7.93	-19.79	-19.60	-8.12	1.50
		82	3.54	4.52	-1.48	2.63	0.42	-2.79	-0.20	-14.58	-14.50	-0.28	1.09
		83	4.03	4.39	0.25	3.89	0.74	1.34	0.27	-16.46	-15.50	-0.69	3.90
		2	3.58	5.66	-1.78	4.96	-1.09	-2.17	-9.17	-16.77	-16.63	-9.30	1.01
45	8	2	10.03	15.33	-1.23	8.62	5.48	8.13	22.49	-25.03	-19.06	16.53	15.74
		83	5.23	7.45	-4.58	4.86	-1.99	-4.94	-13.48	-25.11	-23.25	-15.34	-4.26
		84	4.41	10.29	-2.13	7.56	0.60	5.14	-2.42	-19.17	-18.14	-3.45	4.04
		78	7.27	9.80	0.82	8.16	2.46	-3.46	5.06	-26.80	-26.46	4.73	3.25
45	16	2	6.97	11.12	-0.90	6.45	3.77	5.86	14.72	-18.30	-14.28	10.70	10.80
		83	3.86	5.51	-3.22	3.68	-1.39	-3.56	-9.39	-18.51	-17.37	-10.53	-3.01
		84	3.31	7.62	-1.60	5.56	0.46	3.84	-1.90	-14.41	-13.77	-2.54	2.75
		78	5.31	7.36	0.42	6.14	1.64	-2.64	3.15	-19.88	-19.68	2.94	2.17
45	24	2	3.86	8.11	-0.83	5.79	1.50	3.92	0.70	-15.59	-14.29	-0.61	4.43
		83	3.45	4.60	-1.71	3.57	-0.69	-2.32	-3.16	-15.36	-15.36	-3.16	-0.07
		84	3.29	6.41	-1.49	4.47	0.44	3.40	-1.46	-14.15	-13.84	-1.77	1.95
		78	4.29	6.81	-0.76	5.74	0.30	-2.63	-0.76	-17.74	-17.60	-0.90	1.54
45	25	2	3.45	7.50	-0.89	5.67	0.94	3.47	-3.10	-15.42	-14.71	-3.80	2.87
		83	3.54	4.41	-1.35	3.58	-0.52	-2.03	-1.33	-15.02	-14.99	-1.36	0.65
		84	3.33	6.16	-1.48	4.24	0.44	3.32	-1.44	-14.29	-14.04	-1.70	1.79
		78	4.14	6.73	-1.07	5.69	-0.03	-2.65	-1.86	-17.58	-17.45	-1.98	1.41
45	43	2	5.56	10.00	-0.76	6.83	2.41	4.91	13.95	-12.68	-10.96	12.22	6.55
		83	3.85	6.48	-2.27	4.62	-0.40	-3.59	-2.82	-16.70	-15.48	-4.04	3.93
		84	3.29	6.74	-0.24	5.55	0.95	2.63	-3.73	-14.91	-14.29	-4.35	2.56
		78	6.06	7.56	0.03	6.93	0.66	-2.09	14.29	-14.31	-14.15	14.13	2.11
45	83	2	4.24	8.11	-0.73	5.77	1.61	3.90	4.53	-14.82	-13.83	3.54	4.26
		83	3.72	5.04	-1.72	3.77	-0.45	-2.65	-2.33	-16.11	-15.69	-2.75	2.37
		84	3.39	5.98	-0.79	4.53	0.65	2.77	-2.67	-15.04	-14.65	-3.06	2.16
		78	4.85	6.68	-0.47	5.89	0.32	-2.25	5.53	-16.33	-16.21	5.41	1.62
46	4	80	5.51	-0.09	-2.66	-2.64	-0.12	-0.27	0.03	-22.72	-22.72	0.03	0.15
		86	4.87	-0.09	-2.52	-2.49	-0.13	0.28	6.15e-03	-20.09	-20.08	-6.91e-03	0.51
		85	4.87	-0.02	-0.75	-0.66	-0.11	0.24	-0.28	-20.38	-20.14	-0.51	2.17
		79	5.45	-0.03	-0.96	-0.76	-0.23	-0.38	-0.54	-22.92	-22.80	-0.67	1.69
46	12	80	4.11	-0.06	-1.83	-1.80	-0.08	-0.19	0.02	-16.96	-16.96	0.02	0.09
		86	3.67	-0.06	-1.67	-1.65	-0.09	0.19	5.02e-03	-15.17	-15.16	-3.01e-03	0.35
		85	3.66	-4.20e-03	-0.41	-0.33	-0.08	0.15	-0.24	-15.34	-15.20	-0.38	1.44
		79	4.06	0.02	-0.62	-0.44	-0.16	-0.29	-0.42	-17.09	-17.02	-0.49	1.09
46	17	80	3.60	-4.74e-03	-0.78	-0.78	-7.82e-03	-0.05	6.49e-03	-14.92	-14.92	5.32e-03	0.13
		86	3.29	-0.01	-0.30	-0.29	-0.02	0.04	7.17e-03	-13.68	-13.68	-5.06e-04	0.32
		85	3.33	0.59	-0.05	0.58	-0.04	-0.08	-0.14	-13.87	-13.72	-0.29	1.43
		79	3.60	0.49	-0.25	0.30	-0.06	-0.32	-0.21	-15.08	-14.97	-0.32	1.29
46	25	80	3.52	-4.73e-03	-0.76	-0.76	-7.83e-03	-0.05	4.79e-03	-14.59	-14.59	3.45e-03	0.14
		86	3.23	-0.01	-0.29	-0.28	-0.02	0.04	7.15e-03	-13.42	-13.42	-5.98e-04	0.32
		85	3.27	0.59	-0.05	0.58	-0.04	-0.08	-0.12	-13.62	-13.46	-0.27	1.44
		79	3.53	0.48	-0.24	0.30	-0.06	-0.31	-0.19	-14.75	-14.63	-0.31	1.32

46	50	80	3.86	3.97	-0.36	3.77	-0.16	0.91	-0.08	-15.82	-15.81	-0.08	0.34
		86	3.58	4.24	0.05	4.11	0.18	-0.71	-0.12	-14.65	-14.63	-0.14	0.49
		85	3.61	4.02	-0.42	3.87	-0.27	-0.79	-0.22	-14.81	-14.63	-0.40	1.59
		79	3.87	3.83	-0.51	3.69	-0.37	0.78	-0.24	-15.95	-15.81	-0.38	1.51
46	82	80	3.67	1.50	-0.19	1.39	-0.08	0.41	-0.03	-15.18	-15.18	-0.04	0.24
		86	3.39	1.86	0.02	1.80	0.08	-0.32	-0.05	-14.01	-14.00	-0.07	0.40
		85	3.43	2.21	-0.22	2.14	-0.15	-0.42	-0.17	-14.19	-14.02	-0.33	1.51
		79	3.69	1.93	-0.23	1.91	-0.21	0.20	-0.21	-15.33	-15.20	-0.34	1.41
47	4	79	5.43	-0.26	-1.17	-0.98	-0.44	-0.37	-0.60	-22.88	-22.78	-0.70	1.48
		85	4.85	-0.22	-0.70	-0.58	-0.34	0.21	-0.34	-20.32	-20.12	-0.54	2.00
		87	4.77	1.02	-0.22	0.95	-0.15	0.28	-1.19	-20.37	-20.10	-1.45	2.25
		81	5.31	1.66	-0.97	1.58	-0.89	-0.45	-1.88	-22.84	-22.70	-2.02	1.67
47	12	79	4.05	-0.14	-0.77	-0.60	-0.31	-0.28	-0.45	-17.06	-17.00	-0.51	0.95
		85	3.64	-0.12	-0.38	-0.27	-0.24	0.13	-0.28	-15.30	-15.19	-0.40	1.33
		87	3.59	0.86	-0.15	0.83	-0.11	0.18	-0.93	-15.33	-15.17	-1.09	1.50
		81	3.96	1.35	-0.70	1.28	-0.64	-0.36	-1.40	-17.03	-16.95	-1.47	1.07
47	17	79	3.59	0.37	-0.28	0.18	-0.09	-0.29	-0.24	-15.05	-14.97	-0.33	1.14
		85	3.32	0.68	-0.10	0.67	-0.09	-0.11	-0.17	-13.84	-13.71	-0.30	1.32
		87	3.29	1.42	-0.09	1.42	-0.09	-0.08	-0.69	-13.93	-13.76	-0.85	1.46
		81	3.56	1.82	-0.43	1.70	-0.31	-0.49	-0.87	-15.11	-14.99	-0.98	1.26
47	25	79	3.52	0.37	-0.27	0.18	-0.09	-0.29	-0.21	-14.73	-14.63	-0.31	1.18
		85	3.26	0.68	-0.10	0.66	-0.08	-0.11	-0.15	-13.59	-13.46	-0.28	1.33
		87	3.24	1.40	-0.09	1.40	-0.09	-0.08	-0.63	-13.68	-13.51	-0.80	1.48
		81	3.50	1.80	-0.42	1.68	-0.31	-0.48	-0.80	-14.79	-14.67	-0.92	1.30
47	50	79	3.80	3.72	-0.46	3.59	-0.34	0.71	-0.85	-15.95	-15.90	-0.90	0.84
		85	3.60	4.15	-0.07	4.01	0.06	-0.74	-0.30	-14.80	-14.64	-0.46	1.53
		87	3.52	3.95	-0.42	3.86	-0.32	-0.64	-0.75	-14.70	-14.50	-0.94	1.63
		81	3.76	4.12	-0.89	4.03	-0.81	0.66	-1.29	-15.92	-15.74	-1.47	1.59
47	82	79	3.65	1.82	-0.23	1.80	-0.21	0.19	-0.52	-15.31	-15.24	-0.59	1.02
		85	3.42	2.32	-0.09	2.25	-0.01	-0.41	-0.22	-14.17	-14.02	-0.36	1.42
		87	3.38	2.61	-0.24	2.56	-0.20	-0.34	-0.69	-14.17	-13.99	-0.87	1.55
		81	3.62	2.80	-0.54	2.79	-0.54	0.06	-1.03	-15.33	-15.18	-1.18	1.44
48	4	81	5.28	0.29	-1.51	0.24	-1.46	0.28	-1.91	-22.81	-22.68	-2.04	1.63
		87	4.78	1.64	-0.07	1.59	-0.02	-0.30	-1.20	-20.36	-20.10	-1.46	2.22
		88	4.73	2.73	-0.06	2.60	0.06	0.57	-1.84	-20.36	-20.07	-2.13	2.29
		82	5.23	4.97	-1.70	4.88	-1.61	-0.78	-2.97	-22.66	-22.48	-3.15	1.88
48	12	81	3.94	0.32	-1.08	0.29	-1.06	0.19	-1.42	-17.01	-16.94	-1.49	1.05
		87	3.60	1.35	-0.05	1.31	-7.77e-04	-0.25	-0.94	-15.33	-15.18	-1.09	1.48
		88	3.56	2.10	-0.05	2.03	0.03	0.40	-1.42	-15.33	-15.16	-1.59	1.53
		82	3.90	3.79	-1.22	3.71	-1.14	-0.62	-2.21	-16.89	-16.79	-2.31	1.22
48	17	81	3.55	0.87	-0.63	0.86	-0.63	0.02	-0.88	-15.12	-15.01	-0.99	1.24
		87	3.30	1.98	-0.02	1.86	0.10	-0.48	-0.70	-13.91	-13.75	-0.85	1.43
		88	3.28	2.30	-0.15	2.29	-0.14	0.12	-1.13	-14.00	-13.83	-1.30	1.46
		82	3.53	3.76	-0.63	3.59	-0.46	-0.84	-1.47	-15.04	-14.92	-1.59	1.26
48	25	81	3.48	0.86	-0.63	0.86	-0.63	0.02	-0.80	-14.80	-14.68	-0.92	1.29
		87	3.24	1.95	-0.02	1.83	0.10	-0.47	-0.64	-13.66	-13.50	-0.80	1.45
		88	3.23	2.27	-0.14	2.26	-0.14	0.12	-1.06	-13.76	-13.59	-1.23	1.47
		82	3.47	3.71	-0.62	3.55	-0.46	-0.83	-1.34	-14.74	-14.61	-1.47	1.30
48	51	81	3.74	3.40	-1.50	3.19	-1.29	0.99	-1.29	-15.92	-15.73	-1.48	1.67
		87	3.54	4.44	0.09	4.22	0.31	-0.96	-0.58	-14.65	-14.46	-0.78	1.66
		88	3.55	4.06	-0.40	4.00	-0.34	0.51	-1.16	-15.00	-14.78	-1.38	1.74
		82	3.77	4.76	-1.26	4.74	-1.24	0.38	-1.87	-16.13	-15.91	-2.09	1.76
48	83	81	3.61	2.04	-1.02	1.96	-0.94	0.48	-1.04	-15.34	-15.19	-1.19	1.47
		87	3.38	3.13	0.03	2.96	0.20	-0.70	-0.61	-14.14	-13.96	-0.79	1.55
		88	3.38	3.11	-0.26	3.09	-0.23	0.30	-1.10	-14.36	-14.16	-1.30	1.60
		82	3.61	4.12	-0.84	4.10	-0.83	-0.25	-1.59	-15.41	-15.24	-1.76	1.52

49	1	82	5.13	4.17	0.37	3.63	0.91	1.33	-2.81	-22.40	-22.22	-2.99	1.90
		88	4.64	3.39	-1.33	3.08	-1.02	-1.16	-1.90	-19.91	-19.67	-2.14	2.06
		89	4.60	4.77	-0.79	4.69	-0.71	0.66	-2.38	-19.88	-19.58	-2.68	2.25
		83	5.13	4.80	0.20	4.34	0.66	-1.37	-3.30	-22.44	-22.24	-3.50	1.95
49	9	82	3.83	3.25	0.29	2.83	0.71	1.04	-2.10	-16.74	-16.63	-2.21	1.25
		88	3.50	2.62	-1.03	2.38	-0.79	-0.89	-1.46	-15.02	-14.88	-1.60	1.36
		89	3.47	3.66	-0.59	3.59	-0.53	0.52	-1.81	-15.00	-14.82	-1.99	1.51
		83	3.82	3.66	0.15	3.32	0.49	-1.04	-2.46	-16.73	-16.62	-2.58	1.27
49	17	82	3.53	3.65	0.32	3.18	0.80	1.17	-1.55	-15.20	-15.06	-1.70	1.41
		88	3.28	2.89	-1.13	2.61	-0.85	-1.02	-1.09	-13.92	-13.77	-1.24	1.36
		89	3.27	3.88	-0.62	3.79	-0.53	0.64	-1.45	-13.99	-13.80	-1.63	1.50
		83	3.49	3.90	0.18	3.55	0.53	-1.09	-1.66	-15.02	-14.90	-1.78	1.24
49	25	82	3.47	3.61	0.32	3.14	0.79	1.15	-1.42	-14.90	-14.74	-1.58	1.44
		88	3.23	2.85	-1.11	2.58	-0.84	-1.00	-1.01	-13.68	-13.53	-1.16	1.37
		89	3.22	3.83	-0.61	3.74	-0.52	0.63	-1.36	-13.76	-13.58	-1.54	1.50
		83	3.43	3.85	0.18	3.51	0.52	-1.07	-1.50	-14.70	-14.58	-1.61	1.24
49	51	82	3.98	5.66	-0.45	4.58	0.63	2.33	1.26	-15.62	-15.46	1.10	1.64
		88	3.55	4.38	-0.41	4.35	-0.38	-0.41	-1.41	-15.06	-14.80	-1.68	1.88
		89	3.38	4.05	-0.84	3.89	-0.69	0.86	-1.85	-14.59	-14.47	-1.97	1.22
		83	3.88	4.03	-0.13	3.93	-0.03	0.63	1.13	-15.25	-15.22	1.10	0.69
49	83	82	3.70	4.57	-0.05	3.81	0.71	1.71	-0.15	-15.25	-15.09	-0.30	1.53
		88	3.38	3.54	-0.74	3.42	-0.62	-0.72	-1.21	-14.34	-14.14	-1.41	1.62
		89	3.30	3.93	-0.72	3.81	-0.60	0.73	-1.59	-14.16	-14.01	-1.74	1.37
		83	3.63	3.72	0.24	3.70	0.26	-0.26	-0.26	-14.96	-14.89	-0.32	0.98
50	4	83	5.46	6.78	0.54	5.26	2.06	2.68	-0.71	-22.83	-22.25	-1.28	3.53
		89	4.64	5.33	-1.81	5.16	-1.63	-1.10	-3.33	-20.31	-20.11	-3.53	1.82
		90	4.84	7.05	-1.49	6.48	-0.93	2.12	-1.41	-20.35	-19.92	-1.84	2.83
		84	5.31	6.66	0.78	6.11	1.33	-1.71	-2.83	-22.91	-22.74	-3.01	1.88
50	12	83	4.04	4.98	0.40	3.94	1.44	1.92	-0.71	-16.98	-16.62	-1.06	2.37
		89	3.50	4.04	-1.29	3.90	-1.16	-0.83	-2.46	-15.28	-15.17	-2.58	1.20
		90	3.63	5.22	-1.15	4.81	-0.74	1.56	-1.15	-15.29	-15.03	-1.41	1.91
		84	3.96	5.06	0.55	4.62	0.99	-1.34	-2.15	-17.07	-16.97	-2.25	1.24
50	17	83	3.49	3.79	0.12	3.51	0.41	0.98	-1.75	-15.08	-14.91	-1.92	1.52
		89	3.28	3.97	-0.66	3.82	-0.51	-0.82	-1.39	-13.96	-13.80	-1.54	1.39
		90	3.29	4.33	-1.29	4.05	-1.01	1.21	-1.24	-13.96	-13.78	-1.42	1.49
		84	3.54	5.21	0.21	4.55	0.87	-1.69	-1.73	-15.17	-15.02	-1.88	1.40
50	25	83	3.43	3.74	0.12	3.46	0.40	0.97	-1.57	-14.76	-14.58	-1.75	1.52
		89	3.23	3.92	-0.65	3.77	-0.50	-0.81	-1.31	-13.73	-13.57	-1.46	1.38
		90	3.24	4.27	-1.27	4.00	-1.00	1.20	-1.15	-13.72	-13.54	-1.33	1.48
		84	3.48	5.14	0.21	4.49	0.86	-1.67	-1.60	-14.86	-14.72	-1.74	1.37
50	39	83	3.56	2.58	0.08	2.58	0.09	0.11	-0.91	-15.05	-14.83	-1.13	1.74
		89	3.26	3.22	-0.65	3.04	-0.47	-0.83	-1.73	-14.09	-13.94	-1.88	1.36
		90	3.31	3.75	-0.92	3.62	-0.79	0.77	-1.73	-14.26	-14.11	-1.88	1.38
		84	3.64	4.56	-0.39	3.56	0.62	-1.99	-0.89	-15.26	-15.11	-1.04	1.47
50	71	83	3.49	3.14	0.14	3.03	0.25	0.56	-1.26	-14.91	-14.71	-1.45	1.63
		89	3.25	3.58	-0.65	3.41	-0.48	-0.82	-1.51	-13.91	-13.75	-1.67	1.37
		90	3.27	4.01	-1.10	3.81	-0.90	0.99	-1.43	-13.98	-13.82	-1.60	1.44
		84	3.56	4.85	-0.06	4.04	0.74	-1.82	-1.26	-15.06	-14.91	-1.41	1.43
51	4	86	4.87	-0.11	-2.57	-2.54	-0.13	-0.25	-2.25e-03	-20.07	-20.07	-4.58e-03	0.22
		92	4.54	-0.10	-2.44	-2.41	-0.13	0.26	0.01	-18.70	-18.69	-2.74e-03	0.54
		91	4.57	-0.08	-0.59	-0.54	-0.12	0.14	-0.14	-19.07	-18.75	-0.46	2.42
		85	4.87	-3.13e-03	-0.74	-0.64	-0.11	-0.26	-0.27	-20.36	-20.13	-0.50	2.15
51	12	86	3.67	-0.07	-1.71	-1.69	-0.09	-0.18	-1.30e-04	-15.15	-15.15	-1.35e-03	0.14
		92	3.44	-0.07	-1.61	-1.59	-0.09	0.18	9.63e-03	-14.20	-14.19	-8.03e-05	0.37
		91	3.45	-0.04	-0.30	-0.25	-0.08	0.10	-0.15	-14.44	-14.25	-0.34	1.64
		85	3.66	0.03	-0.42	-0.32	-0.08	-0.19	-0.24	-15.33	-15.20	-0.37	1.43

51	17	86	3.29	-7.88e-03	-0.30	-0.29	-0.01	-0.04	-4.54e-04	-13.68	-13.67	-2.19e-03	0.15
		92	3.08	-4.22e-03	-0.16	-0.15	-0.01	0.04	9.29e-03	-12.83	-12.82	7.80e-04	0.33
		91	3.13	0.69	-0.05	0.69	-0.05	0.05	-0.09	-13.05	-12.87	-0.27	1.51
		85	3.32	0.64	-0.09	0.60	-0.04	-0.17	-0.14	-13.87	-13.72	-0.28	1.42
51	25	86	3.23	-7.72e-03	-0.29	-0.28	-0.01	-0.04	-8.83e-04	-13.42	-13.42	-2.75e-03	0.16
		92	3.03	-3.76e-03	-0.15	-0.14	-0.01	0.04	8.83e-03	-12.59	-12.58	4.11e-04	0.33
		91	3.08	0.69	-0.05	0.69	-0.05	0.05	-0.07	-12.80	-12.63	-0.25	1.50
		85	3.27	0.64	-0.09	0.60	-0.04	-0.17	-0.12	-13.61	-13.46	-0.27	1.43
51	50	86	3.45	3.98	-0.01	3.84	0.13	0.74	3.71e-04	-14.05	-14.04	-4.18e-03	0.25
		92	3.25	4.07	0.03	3.96	0.15	-0.68	-0.02	-13.22	-13.20	-0.04	0.42
		91	3.29	4.02	-0.37	3.91	-0.27	-0.68	-0.10	-13.43	-13.24	-0.29	1.57
		85	3.48	3.93	-0.39	3.82	-0.28	0.66	-0.11	-14.24	-14.08	-0.27	1.50
51	82	86	3.33	1.73	-9.80e-03	1.67	0.06	0.33	-1.88e-04	-13.72	-13.72	-3.22e-03	0.20
		92	3.13	1.85	0.01	1.80	0.06	-0.30	-7.09e-03	-12.89	-12.88	-0.02	0.37
		91	3.18	2.25	-0.19	2.21	-0.15	-0.30	-0.09	-13.10	-12.92	-0.27	1.54
		85	3.37	2.15	-0.18	2.13	-0.16	0.22	-0.11	-13.92	-13.76	-0.27	1.47
52	4	85	4.84	-0.24	-0.80	-0.71	-0.33	-0.21	-0.34	-20.30	-20.12	-0.52	1.92
		91	4.55	-0.30	-0.66	-0.63	-0.33	0.10	-0.20	-19.01	-18.74	-0.47	2.24
		93	4.51	1.36	-0.36	1.33	-0.33	0.22	-0.97	-19.14	-18.79	-1.31	2.48
		87	4.79	1.36	-0.40	1.27	-0.30	-0.40	-1.20	-20.39	-20.14	-1.45	2.19
52	12	85	3.64	-0.13	-0.47	-0.37	-0.23	-0.15	-0.28	-15.29	-15.19	-0.39	1.27
		91	3.44	-0.19	-0.35	-0.31	-0.23	0.07	-0.19	-14.40	-14.24	-0.36	1.52
		93	3.41	1.13	-0.26	1.11	-0.24	0.17	-0.78	-14.48	-14.27	-0.99	1.68
		87	3.60	1.13	-0.29	1.06	-0.22	-0.31	-0.93	-15.35	-15.20	-1.08	1.45
52	17	85	3.31	0.61	-0.10	0.58	-0.08	-0.12	-0.17	-13.83	-13.71	-0.29	1.27
		91	3.12	0.66	-0.09	0.66	-0.09	8.79e-03	-0.12	-13.02	-12.86	-0.27	1.40
		93	3.11	1.69	-0.20	1.67	-0.18	0.16	-0.59	-13.12	-12.93	-0.79	1.55
		87	3.30	1.68	-0.23	1.62	-0.16	-0.34	-0.69	-13.92	-13.77	-0.85	1.43
52	25	85	3.25	0.60	-0.10	0.58	-0.08	-0.12	-0.15	-13.58	-13.46	-0.27	1.28
		91	3.07	0.66	-0.09	0.66	-0.09	8.70e-03	-0.10	-12.78	-12.62	-0.26	1.39
		93	3.06	1.67	-0.19	1.66	-0.18	0.15	-0.55	-12.89	-12.69	-0.75	1.54
		87	3.24	1.66	-0.22	1.60	-0.16	-0.33	-0.64	-13.68	-13.52	-0.80	1.44
52	51	85	3.46	3.91	-0.11	3.74	0.06	0.80	-0.15	-14.23	-14.05	-0.33	1.58
		91	3.30	3.96	-0.06	3.83	0.06	-0.69	-0.03	-13.43	-13.21	-0.25	1.70
		93	3.27	3.94	-0.49	3.86	-0.40	-0.60	-0.47	-13.53	-13.25	-0.75	1.86
		87	3.44	3.84	-0.48	3.75	-0.40	0.60	-0.63	-14.32	-14.09	-0.85	1.74
52	83	85	3.35	2.13	-0.06	2.08	-0.01	0.32	-0.15	-13.89	-13.74	-0.30	1.42
		91	3.18	2.21	-0.06	2.16	-0.02	-0.32	-0.07	-13.09	-12.90	-0.25	1.54
		93	3.16	2.71	-0.30	2.70	-0.29	-0.20	-0.52	-13.19	-12.96	-0.75	1.70
		87	3.34	2.62	-0.28	2.62	-0.27	0.11	-0.63	-13.98	-13.79	-0.83	1.59
53	4	87	4.78	1.17	-0.52	1.17	-0.52	-0.06	-1.21	-20.37	-20.12	-1.45	2.16
		93	4.51	1.19	-0.58	1.18	-0.57	-0.13	-0.99	-19.13	-18.80	-1.32	2.45
		94	4.48	3.23	-0.50	3.20	-0.47	0.30	-1.63	-19.15	-18.82	-1.96	2.37
		88	4.76	3.26	-0.59	3.20	-0.53	-0.48	-1.90	-20.43	-20.15	-2.18	2.26
53	12	87	3.60	1.00	-0.38	0.99	-0.37	-0.05	-0.94	-15.33	-15.19	-1.09	1.43
		93	3.41	1.01	-0.42	1.00	-0.41	-0.09	-0.79	-14.48	-14.27	-1.00	1.65
		94	3.38	2.49	-0.37	2.47	-0.35	0.23	-1.28	-14.49	-14.29	-1.47	1.60
		88	3.58	2.52	-0.44	2.47	-0.39	-0.37	-1.46	-15.37	-15.21	-1.63	1.50
53	17	87	3.29	1.58	-0.23	1.58	-0.22	-0.08	-0.69	-13.92	-13.77	-0.85	1.42
		93	3.11	1.60	-0.27	1.59	-0.26	-0.10	-0.61	-13.12	-12.93	-0.79	1.52
		94	3.09	2.68	-0.33	2.66	-0.31	0.25	-1.02	-13.15	-12.96	-1.21	1.53
		88	3.28	2.73	-0.40	2.67	-0.34	-0.43	-1.15	-13.96	-13.80	-1.31	1.40
53	25	87	3.24	1.56	-0.22	1.56	-0.22	-0.08	-0.64	-13.67	-13.52	-0.80	1.43
		93	3.06	1.58	-0.26	1.57	-0.26	-0.10	-0.56	-12.89	-12.70	-0.75	1.51
		94	3.05	2.65	-0.33	2.63	-0.31	0.24	-0.95	-12.92	-12.73	-1.15	1.51
		88	3.23	2.69	-0.39	2.63	-0.33	-0.42	-1.08	-13.72	-13.56	-1.23	1.41

53	50	87	3.44	4.11	-0.16	3.93	0.02	0.85	-0.58	-14.30	-14.12	-0.77	1.59
		93	3.27	4.09	-0.22	3.94	-0.07	-0.80	-0.48	-13.52	-13.29	-0.71	1.70
		94	3.22	4.07	-0.50	4.02	-0.45	-0.49	-0.82	-13.47	-13.23	-1.06	1.72
		88	3.39	4.03	-0.51	3.97	-0.45	0.53	-0.99	-14.26	-14.07	-1.18	1.56
53	82	87	3.33	2.73	-0.15	2.68	-0.11	0.36	-0.61	-13.98	-13.81	-0.79	1.51
		93	3.16	2.76	-0.23	2.69	-0.17	-0.43	-0.53	-13.19	-12.98	-0.73	1.60
		94	3.13	3.29	-0.38	3.29	-0.38	-0.10	-0.89	-13.18	-12.97	-1.10	1.61
		88	3.30	3.27	-0.39	3.27	-0.39	0.03	-1.04	-13.98	-13.80	-1.21	1.49
54	4	88	4.74	3.17	-0.49	3.16	-0.47	0.24	-1.86	-20.36	-20.11	-2.12	2.16
		94	4.49	3.15	-0.66	3.10	-0.60	-0.44	-1.63	-19.16	-18.81	-1.98	2.45
		95	4.47	4.97	-0.59	4.95	-0.57	0.37	-2.00	-19.15	-18.87	-2.27	2.16
		89	4.78	5.05	-0.69	5.00	-0.65	-0.49	-2.20	-20.48	-20.15	-2.53	2.44
54	12	88	3.57	2.45	-0.36	2.44	-0.35	0.18	-1.44	-15.33	-15.18	-1.59	1.44
		94	3.39	2.43	-0.48	2.40	-0.45	-0.33	-1.28	-14.49	-14.28	-1.49	1.65
		95	3.38	3.75	-0.45	3.72	-0.43	0.29	-1.54	-14.48	-14.31	-1.71	1.45
		89	3.59	3.80	-0.52	3.77	-0.48	-0.38	-1.70	-15.39	-15.20	-1.89	1.63
54	17	88	3.28	2.64	-0.30	2.64	-0.29	0.12	-1.14	-13.96	-13.80	-1.31	1.45
		94	3.09	2.64	-0.37	2.61	-0.34	-0.31	-1.08	-13.16	-12.98	-1.26	1.47
		95	3.09	3.53	-0.44	3.51	-0.42	0.31	-1.23	-13.17	-12.99	-1.41	1.46
		89	3.28	3.60	-0.47	3.55	-0.42	-0.44	-1.39	-13.98	-13.82	-1.55	1.42
54	25	88	3.23	2.61	-0.29	2.60	-0.29	0.12	-1.06	-13.72	-13.56	-1.23	1.46
		94	3.04	2.61	-0.37	2.57	-0.34	-0.31	-1.01	-12.93	-12.75	-1.19	1.46
		95	3.05	3.48	-0.44	3.46	-0.41	0.30	-1.14	-12.95	-12.76	-1.33	1.46
		89	3.23	3.55	-0.47	3.51	-0.42	-0.44	-1.30	-13.74	-13.58	-1.46	1.41
54	51	88	3.37	4.17	-0.33	3.95	-0.11	0.97	-1.25	-14.32	-14.02	-1.55	1.95
		94	3.18	4.14	-0.35	3.96	-0.16	-0.90	-1.16	-13.45	-13.21	-1.40	1.70
		95	3.23	3.97	-0.64	3.94	-0.61	-0.39	-1.36	-13.73	-13.48	-1.61	1.72
		89	3.41	4.00	-0.62	3.95	-0.57	0.49	-1.57	-14.61	-14.31	-1.87	1.93
54	83	88	3.29	3.32	-0.28	3.24	-0.20	0.52	-1.15	-14.01	-13.78	-1.38	1.69
		94	3.11	3.33	-0.35	3.23	-0.25	-0.59	-1.08	-13.18	-12.97	-1.29	1.58
		95	3.13	3.69	-0.51	3.69	-0.51	-0.03	-1.25	-13.32	-13.11	-1.46	1.59
		89	3.31	3.72	-0.49	3.72	-0.49	1.40e-03	-1.44	-14.15	-13.93	-1.66	1.66
55	4	89	4.80	5.09	-0.69	4.97	-0.56	0.83	-1.95	-20.52	-20.18	-2.29	2.50
		95	4.50	5.07	-0.75	4.91	-0.58	-0.96	-1.82	-19.15	-18.90	-2.07	2.07
		96	4.55	5.89	-0.45	5.85	-0.41	0.53	-1.77	-19.29	-18.97	-2.09	2.36
		90	4.82	6.01	-0.36	5.96	-0.31	-0.58	-1.94	-20.47	-20.21	-2.20	2.18
55	12	89	3.61	3.83	-0.52	3.74	-0.43	0.61	-1.53	-15.42	-15.22	-1.73	1.67
		95	3.40	3.82	-0.56	3.70	-0.44	-0.71	-1.42	-14.48	-14.33	-1.57	1.40
		96	3.43	4.40	-0.35	4.36	-0.32	0.39	-1.39	-14.57	-14.38	-1.58	1.59
		90	3.62	4.48	-0.27	4.44	-0.23	-0.43	-1.51	-15.39	-15.23	-1.66	1.45
55	17	89	3.27	3.57	-0.52	3.52	-0.47	0.46	-1.39	-13.98	-13.82	-1.55	1.44
		95	3.10	3.58	-0.50	3.49	-0.41	-0.61	-1.25	-13.16	-12.99	-1.42	1.43
		96	3.10	3.89	-0.38	3.87	-0.36	0.31	-1.24	-13.17	-12.99	-1.41	1.42
		90	3.29	4.00	-0.28	3.96	-0.24	-0.40	-1.31	-13.97	-13.81	-1.47	1.41
55	25	89	3.22	3.52	-0.51	3.47	-0.46	0.45	-1.29	-13.75	-13.58	-1.46	1.43
		95	3.05	3.54	-0.49	3.45	-0.40	-0.60	-1.17	-12.94	-12.76	-1.34	1.42
		96	3.05	3.84	-0.37	3.82	-0.35	0.30	-1.16	-12.94	-12.77	-1.33	1.42
		90	3.24	3.94	-0.28	3.91	-0.24	-0.40	-1.23	-13.73	-13.57	-1.39	1.40
55	51	89	3.50	4.36	-0.65	3.96	-0.25	1.35	-0.23	-14.40	-14.11	-0.52	1.98
		95	3.30	4.33	-0.62	3.98	-0.26	-1.28	-0.25	-13.52	-13.31	-0.46	1.66
		96	3.37	4.54	-0.53	4.51	-0.51	-0.35	-0.34	-13.81	-13.61	-0.54	1.63
		90	3.58	4.66	-0.36	4.62	-0.32	0.46	-0.24	-14.66	-14.39	-0.51	1.93
55	83	89	3.35	3.88	-0.54	3.70	-0.36	0.88	-0.79	-14.06	-13.84	-1.01	1.70
		95	3.17	3.90	-0.54	3.70	-0.34	-0.93	-0.73	-13.21	-13.02	-0.92	1.54
		96	3.20	4.15	-0.43	4.15	-0.43	-0.01	-0.77	-13.36	-13.17	-0.95	1.52
		90	3.40	4.25	-0.28	4.25	-0.28	7.39e-03	-0.76	-14.17	-13.96	-0.97	1.66

56	4	92	4.53	-0.08	-2.31	-2.28	-0.12	-0.28	-0.01	-18.69	-18.69	-0.02	0.25
		98	4.49	-0.08	-2.40	-2.36	-0.12	0.30	0.04	-18.51	-18.49	0.02	0.58
		97	4.54	-0.01	-0.73	-0.45	-0.29	0.35	-0.15	-18.95	-18.54	-0.55	2.73
		91	4.56	0.08	-0.76	-0.58	-0.11	-0.35	-0.15	-19.06	-18.75	-0.46	2.40
56	12	92	3.44	-0.06	-1.52	-1.49	-0.08	-0.20	-7.82e-03	-14.20	-14.19	-9.64e-03	0.16
		98	3.41	-0.05	-1.62	-1.59	-0.08	0.21	0.03	-14.05	-14.04	0.02	0.40
		97	3.43	0.06	-0.47	-0.20	-0.21	0.27	-0.16	-14.33	-14.08	-0.41	1.87
		91	3.45	0.08	-0.43	-0.27	-0.08	-0.24	-0.16	-14.43	-14.24	-0.35	1.62
56	17	92	3.08	8.69e-04	-0.12	-0.10	-0.02	-0.04	-2.92e-03	-12.82	-12.82	-5.02e-03	0.16
		98	2.97	5.66e-03	-0.43	-0.42	-1.98e-03	0.06	0.02	-12.32	-12.31	5.48e-03	0.34
		97	3.01	0.66	-0.20	0.56	-0.11	0.28	-0.07	-12.55	-12.35	-0.28	1.59
		91	3.13	0.68	-0.05	0.68	-0.04	-0.05	-0.09	-13.04	-12.87	-0.27	1.50
56	25	92	3.02	1.79e-03	-0.11	-0.10	-0.02	-0.04	-2.70e-03	-12.58	-12.58	-4.86e-03	0.16
		98	2.90	5.67e-03	-0.41	-0.41	-2.05e-03	0.06	0.01	-12.03	-12.02	3.82e-03	0.34
		97	2.95	0.66	-0.20	0.56	-0.10	0.27	-0.06	-12.26	-12.06	-0.26	1.56
		91	3.08	0.67	-0.05	0.67	-0.04	-0.05	-0.08	-12.80	-12.62	-0.25	1.49
56	43	92	3.34	4.22	0.02	4.08	0.16	0.75	-0.10	-13.64	-13.62	-0.11	0.40
		98	3.22	4.18	-0.04	4.00	0.14	-0.85	-2.24e-03	-13.09	-13.07	-0.03	0.60
		97	3.28	4.00	-0.51	3.84	-0.36	-0.82	-0.03	-13.33	-13.07	-0.29	1.84
		91	3.39	3.86	-0.41	3.75	-0.30	0.69	-0.12	-13.87	-13.64	-0.35	1.76
56	75	92	3.17	1.94	9.28e-03	1.88	0.07	0.34	-0.05	-13.09	-13.08	-0.06	0.28
		98	3.04	1.77	-0.02	1.68	0.07	-0.38	4.99e-03	-12.54	-12.52	-0.01	0.46
		97	3.11	2.14	-0.25	2.12	-0.23	-0.25	-0.05	-12.78	-12.55	-0.28	1.69
		91	3.22	2.17	-0.20	2.13	-0.16	0.30	-0.10	-13.31	-13.11	-0.30	1.62
57	4	91	4.53	-0.09	-0.72	-0.47	-0.34	-0.31	-0.23	-18.98	-18.73	-0.48	2.16
		97	4.52	-0.24	-0.92	-0.67	-0.50	0.33	-0.22	-18.89	-18.54	-0.57	2.54
		99	4.46	1.82	-0.97	1.79	-0.94	0.26	-1.15	-18.95	-18.50	-1.60	2.81
		93	4.49	1.13	-0.33	0.99	-0.18	-0.44	-1.00	-19.11	-18.78	-1.32	2.41
57	12	91	3.43	-5.82e-03	-0.42	-0.19	-0.24	-0.21	-0.21	-14.38	-14.23	-0.36	1.45
		97	3.41	-0.10	-0.61	-0.36	-0.35	0.25	-0.20	-14.29	-14.08	-0.42	1.74
		99	3.37	1.46	-0.70	1.44	-0.68	0.21	-0.90	-14.33	-14.05	-1.18	1.93
		93	3.40	0.94	-0.22	0.85	-0.13	-0.30	-0.80	-14.46	-14.26	-0.99	1.62
57	17	91	3.12	0.77	-0.09	0.77	-0.09	-9.24e-03	-0.13	-13.00	-12.86	-0.27	1.35
		97	3.00	0.55	-0.23	0.46	-0.14	0.25	-0.10	-12.53	-12.35	-0.28	1.47
		99	3.00	1.93	-0.45	1.88	-0.41	0.33	-0.59	-12.63	-12.40	-0.82	1.65
		93	3.11	1.44	-0.11	1.44	-0.10	-0.09	-0.61	-13.11	-12.93	-0.79	1.51
57	25	91	3.06	0.76	-0.09	0.76	-0.09	-9.52e-03	-0.11	-12.76	-12.62	-0.26	1.34
		97	2.94	0.54	-0.23	0.45	-0.14	0.25	-0.09	-12.24	-12.07	-0.26	1.44
		99	2.94	1.91	-0.45	1.86	-0.40	0.33	-0.54	-12.34	-12.12	-0.76	1.61
		93	3.06	1.43	-0.10	1.42	-0.10	-0.09	-0.56	-12.88	-12.69	-0.75	1.50
57	43	91	3.38	4.05	-0.09	3.91	0.04	0.75	-0.15	-13.85	-13.64	-0.37	1.71
		97	3.26	3.83	-0.39	3.75	-0.31	-0.58	-0.36	-13.43	-13.14	-0.65	1.93
		99	3.22	4.26	-0.90	4.18	-0.82	-0.65	-0.79	-13.40	-13.06	-1.12	2.04
		93	3.33	3.85	-0.42	3.77	-0.34	0.56	-0.58	-13.83	-13.58	-0.83	1.82
57	75	91	3.21	2.31	-0.08	2.25	-0.02	0.35	-0.13	-13.28	-13.11	-0.31	1.52
		97	3.09	2.03	-0.23	2.02	-0.22	-0.15	-0.22	-12.81	-12.58	-0.45	1.67
		99	3.07	2.96	-0.61	2.96	-0.60	-0.14	-0.66	-12.85	-12.57	-0.94	1.81
		93	3.18	2.55	-0.23	2.54	-0.21	0.22	-0.57	-13.34	-13.12	-0.79	1.66
58	4	93	4.50	1.72	-0.06	1.70	-0.04	0.18	-1.00	-19.09	-18.77	-1.32	2.38
		99	4.44	0.49	-1.61	0.36	-1.48	-0.51	-1.18	-18.94	-18.50	-1.62	2.77
		100	4.37	4.95	-1.46	4.87	-1.37	0.73	-2.05	-18.74	-18.34	-2.46	2.58
		94	4.48	2.81	-0.40	2.56	-0.16	-0.85	-1.64	-19.17	-18.86	-1.95	2.33
58	12	93	3.40	1.41	-0.04	1.39	-0.02	0.16	-0.80	-14.44	-14.25	-0.99	1.60
		99	3.35	0.46	-1.16	0.37	-1.08	-0.36	-0.92	-14.33	-14.05	-1.20	1.89
		100	3.31	3.77	-1.05	3.70	-0.98	0.58	-1.57	-14.18	-13.93	-1.82	1.76
		94	3.38	2.15	-0.30	1.99	-0.13	-0.61	-1.28	-14.51	-14.32	-1.47	1.57

58	17	93	3.11	2.01	0.04	1.95	0.10	0.34	-0.61	-13.09	-12.91	-0.79	1.50
		99	2.99	0.97	-0.73	0.94	-0.71	-0.21	-0.61	-12.65	-12.42	-0.83	1.62
		100	2.97	3.79	-0.59	3.66	-0.45	0.77	-1.07	-12.58	-12.36	-1.29	1.59
		94	3.10	2.30	-0.30	2.24	-0.24	-0.38	-1.04	-13.21	-13.03	-1.22	1.47
58	25	93	3.05	1.99	0.04	1.93	0.09	0.33	-0.56	-12.86	-12.67	-0.75	1.49
		99	2.93	0.96	-0.73	0.93	-0.70	-0.21	-0.56	-12.36	-12.15	-0.77	1.57
		100	2.91	3.75	-0.59	3.61	-0.45	0.76	-0.98	-12.31	-12.09	-1.19	1.56
		94	3.05	2.27	-0.30	2.22	-0.24	-0.38	-0.97	-12.98	-12.80	-1.15	1.46
58	43	93	3.34	4.54	0.01	4.29	0.26	1.03	-0.48	-13.83	-13.55	-0.76	1.91
		99	3.20	3.55	-1.43	3.36	-1.24	-0.96	-0.70	-13.32	-13.06	-0.96	1.78
		100	3.21	4.90	-1.24	4.89	-1.23	-0.28	-1.20	-13.51	-13.26	-1.45	1.74
		94	3.38	3.92	-0.43	3.91	-0.43	0.18	-0.87	-14.17	-13.91	-1.14	1.85
58	75	93	3.19	3.19	0.03	3.04	0.17	0.67	-0.53	-13.32	-13.09	-0.75	1.69
		99	3.06	2.19	-1.06	2.08	-0.96	-0.57	-0.63	-12.82	-12.58	-0.86	1.67
		100	3.06	4.23	-0.83	4.21	-0.82	0.26	-1.08	-12.88	-12.65	-1.32	1.64
		94	3.21	3.02	-0.33	3.02	-0.33	-0.12	-0.93	-13.55	-13.33	-1.14	1.65
59	8	94	4.38	2.42	-1.92	2.33	-1.83	0.62	-1.81	-18.85	-18.61	-2.06	2.01
		100	4.30	5.63	-0.78	4.16	0.68	-2.69	-1.18	-18.04	-17.50	-1.72	2.95
		101	3.87	4.54	-1.65	4.53	-1.64	-0.22	-4.66	-17.53	-17.43	-4.76	1.12
		95	4.67	5.49	0.31	5.11	0.69	-1.35	0.03	-19.00	-18.61	-0.36	2.71
59	16	94	3.32	1.97	-1.40	1.89	-1.32	0.52	-1.38	-14.29	-14.14	-1.53	1.37
		100	3.25	4.21	-0.52	3.16	0.52	-1.96	-1.02	-13.72	-13.40	-1.34	1.99
		101	2.97	3.44	-1.07	3.44	-1.07	-0.03	-3.30	-13.37	-13.30	-3.36	0.81
		95	3.50	4.12	0.14	3.85	0.41	-1.00	-0.21	-14.38	-14.14	-0.45	1.81
59	24	94	3.08	2.60	-1.03	2.44	-0.87	0.76	-0.87	-13.04	-12.84	-1.08	1.56
		100	2.98	3.73	-0.16	3.05	0.51	-1.48	-1.15	-12.66	-12.48	-1.33	1.43
		101	2.88	3.60	-0.20	3.43	-0.04	0.77	-1.27	-12.32	-12.09	-1.50	1.58
		95	3.10	3.82	-0.45	3.64	-0.27	-0.86	-1.13	-13.14	-12.97	-1.30	1.39
59	25	94	3.05	2.79	-0.95	2.60	-0.76	0.83	-0.79	-12.88	-12.66	-1.01	1.62
		100	2.94	3.64	-0.08	3.05	0.51	-1.37	-1.23	-12.56	-12.41	-1.38	1.31
		101	2.90	3.73	-0.05	3.46	0.22	0.98	-0.82	-12.24	-11.96	-1.11	1.79
		95	3.03	3.78	-0.61	3.62	-0.45	-0.83	-1.41	-12.96	-12.81	-1.56	1.29
59	42	94	3.32	4.70	-0.70	4.38	-0.38	1.27	-1.26	-14.10	-13.87	-1.49	1.71
		100	3.50	5.67	-0.55	4.67	0.45	-2.28	1.66	-13.24	-13.09	1.50	1.51
		101	3.52	4.06	-0.33	4.02	-0.29	-0.43	2.25	-13.08	-12.62	1.78	2.63
		95	3.28	4.00	-0.59	3.99	-0.58	-0.10	-1.64	-14.07	-13.75	-1.95	1.94
59	74	94	3.18	3.69	-0.83	3.44	-0.58	1.04	-1.01	-13.46	-13.23	-1.24	1.66
		100	3.19	4.60	-0.30	3.82	0.48	-1.80	0.14	-12.89	-12.74	-0.01	1.41
		101	3.18	3.75	-0.05	3.72	-0.02	0.31	0.63	-12.65	-12.28	0.26	2.19
		95	3.15	3.85	-0.57	3.79	-0.51	-0.48	-1.53	-13.48	-13.26	-1.75	1.60
60	8	95	4.39	4.89	-2.12	4.74	-1.97	1.02	-3.16	-19.27	-18.58	-3.85	3.27
		101	4.47	7.70	-0.18	5.18	2.34	-3.67	1.56	-17.45	-17.45	1.56	-0.03
		102	4.62	5.69	0.63	5.36	0.96	1.25	-1.44	-19.57	-19.01	-2.00	3.12
		96	4.39	7.48	-1.17	6.79	-0.48	-2.34	-0.92	-18.09	-17.97	-1.04	1.44
60	16	95	3.31	3.72	-1.50	3.60	-1.38	0.78	-2.37	-14.54	-14.12	-2.78	2.22
		101	3.36	5.59	-0.11	3.88	1.60	-2.61	0.86	-13.31	-13.31	0.86	-0.03
		102	3.47	4.34	0.43	4.06	0.71	1.01	-1.20	-14.75	-14.41	-1.55	2.13
		96	3.32	5.52	-0.91	5.02	-0.41	-1.71	-0.79	-13.77	-13.69	-0.86	0.95
60	17	95	3.10	3.79	-0.68	3.65	-0.54	0.78	-1.30	-13.24	-13.03	-1.50	1.57
		101	2.89	4.04	-0.23	3.53	0.27	-1.37	-1.35	-12.35	-12.22	-1.48	1.17
		102	3.00	4.67	-0.02	4.11	0.54	1.52	-1.43	-12.88	-12.67	-1.64	1.53
		96	3.10	4.45	-1.11	4.13	-0.80	-1.28	-1.13	-13.04	-12.90	-1.26	1.27
60	25	95	3.06	3.74	-0.67	3.60	-0.53	0.77	-1.22	-13.03	-12.82	-1.43	1.56
		101	2.84	3.99	-0.22	3.49	0.27	-1.36	-1.21	-12.06	-11.94	-1.34	1.16
		102	2.95	4.60	-0.02	4.05	0.53	1.49	-1.32	-12.62	-12.41	-1.53	1.54
		96	3.05	4.39	-1.10	4.08	-0.79	-1.26	-1.04	-12.81	-12.67	-1.18	1.27

60	42	95	3.39	4.52	-0.82	4.15	-0.45	1.36	-0.18	-13.91	-13.56	-0.53	2.16
		101	3.06	5.51	-0.28	4.11	1.12	-2.48	-3.94	-13.84	-13.39	-4.39	2.07
		102	3.05	5.06	0.92	5.02	0.97	0.43	-4.16	-13.89	-13.56	-4.49	1.76
		96	3.34	5.19	-1.00	5.14	-0.96	-0.54	-0.11	-13.48	-13.34	-0.25	1.36
60	74	95	3.21	4.10	-0.73	3.86	-0.49	1.05	-0.73	-13.45	-13.18	-1.00	1.85
		101	2.92	4.68	-0.22	3.78	0.68	-1.89	-2.54	-12.88	-12.63	-2.79	1.59
		102	2.98	4.76	0.49	4.51	0.74	0.99	-2.68	-13.22	-12.96	-2.94	1.64
		96	3.19	4.74	-1.02	4.58	-0.87	-0.92	-0.60	-13.14	-13.00	-0.74	1.31
61	4	98	4.56	-0.10	-2.36	-2.33	-0.12	-0.22	-8.58e-03	-18.83	-18.83	-0.01	0.31
		104	4.70	-0.11	-2.63	-2.62	-0.12	0.17	0.10	-19.31	-19.29	0.08	0.61
		103	4.83	0.10	-1.57	-1.44	-0.03	0.44	-0.10	-20.04	-19.52	-0.63	3.20
		97	4.61	-0.12	-0.48	-0.48	-0.13	-0.04	-0.16	-19.26	-18.86	-0.55	2.73
61	12	98	3.46	-0.07	-1.60	-1.58	-0.08	-0.15	-4.83e-03	-14.28	-14.28	-7.88e-03	0.21
		104	3.54	-0.07	-1.86	-1.85	-0.08	0.11	0.07	-14.56	-14.55	0.06	0.43
		103	3.62	0.09	-1.07	-0.97	-0.01	0.32	-0.12	-15.06	-14.72	-0.46	2.23
		97	3.48	-0.09	-0.23	-0.23	-0.09	6.50e-03	-0.16	-14.55	-14.30	-0.41	1.87
61	17	98	2.99	-0.01	-0.52	-0.52	-0.01	-0.01	-8.59e-03	-12.40	-12.40	-0.01	0.18
		104	2.94	-0.03	-1.17	-1.17	-0.03	-1.31e-03	0.04	-12.13	-12.12	0.03	0.34
		103	3.00	0.18	-0.40	-0.28	0.06	0.23	1.69e-03	-12.46	-12.21	-0.26	1.77
		97	3.03	0.66	-0.16	0.54	-0.04	0.29	-0.07	-12.62	-12.42	-0.27	1.56
61	25	98	2.91	-0.01	-0.51	-0.51	-0.01	-0.01	-8.88e-03	-12.10	-12.09	-0.01	0.18
		104	2.85	-0.03	-1.15	-1.15	-0.03	-1.14e-03	0.04	-11.77	-11.76	0.03	0.33
		103	2.91	0.17	-0.39	-0.28	0.06	0.22	0.01	-12.09	-11.83	-0.25	1.74
		97	2.96	0.66	-0.16	0.54	-0.04	0.28	-0.06	-12.31	-12.12	-0.25	1.52
61	42	98	3.47	3.76	-0.41	3.43	-0.08	1.12	-0.26	-14.29	-14.26	-0.29	0.59
		104	3.41	3.62	-0.14	3.38	0.11	-0.93	-0.04	-13.93	-13.88	-0.09	0.78
		103	3.49	3.41	-0.42	3.21	-0.23	-0.84	-0.01	-14.27	-13.93	-0.35	2.17
		97	3.52	3.92	-0.73	3.57	-0.38	1.22	-0.25	-14.53	-14.26	-0.52	1.94
61	74	98	3.17	1.53	-0.22	1.36	-0.05	0.53	-0.13	-13.14	-13.13	-0.14	0.38
		104	3.09	1.17	-0.14	1.00	0.04	-0.44	-2.74e-03	-12.80	-12.77	-0.03	0.55
		103	3.18	1.43	-0.13	1.38	-0.07	-0.28	-1.19e-03	-13.13	-12.83	-0.30	1.95
		97	3.23	2.20	-0.43	1.98	-0.20	0.73	-0.15	-13.37	-13.14	-0.38	1.72
62	4	97	4.58	-0.30	-0.36	-0.36	-0.30	8.14e-03	-0.25	-19.19	-18.85	-0.59	2.50
		103	4.80	-0.16	-1.84	-1.74	-0.26	0.40	-0.18	-19.93	-19.49	-0.63	2.94
		105	4.72	1.24	-0.95	0.35	-0.06	1.08	-1.71	-20.47	-19.86	-2.32	3.32
		99	4.50	1.45	-0.70	1.41	-0.65	0.31	-1.14	-19.18	-18.71	-1.61	2.88
62	12	97	3.45	-0.11	-0.23	-0.13	-0.21	0.04	-0.23	-14.50	-14.29	-0.43	1.71
		103	3.60	-0.10	-1.27	-1.19	-0.17	0.29	-0.17	-14.98	-14.69	-0.46	2.05
		105	3.54	1.01	-0.67	0.36	-0.02	0.81	-1.27	-15.34	-14.95	-1.67	2.31
		99	3.40	1.20	-0.51	1.16	-0.47	0.27	-0.90	-14.49	-14.19	-1.19	1.97
62	17	97	3.02	0.78	-0.17	0.66	-0.04	0.32	-0.11	-12.59	-12.42	-0.27	1.42
		103	2.98	0.09	-0.56	-0.50	0.02	0.19	-0.05	-12.41	-12.19	-0.27	1.62
		105	2.97	1.41	-0.31	0.88	0.22	0.79	-0.50	-12.59	-12.30	-0.79	1.86
		99	3.00	1.77	-0.41	1.65	-0.29	0.49	-0.58	-12.63	-12.40	-0.82	1.65
62	25	97	2.95	0.77	-0.16	0.65	-0.04	0.31	-0.09	-12.27	-12.11	-0.25	1.38
		103	2.89	0.09	-0.55	-0.49	0.02	0.19	-0.05	-12.04	-11.82	-0.26	1.59
		105	2.88	1.39	-0.30	0.87	0.22	0.78	-0.45	-12.18	-11.89	-0.74	1.82
		99	2.93	1.75	-0.40	1.64	-0.29	0.48	-0.54	-12.32	-12.10	-0.76	1.60
62	43	97	3.49	3.99	-0.85	3.46	-0.32	1.52	-0.53	-14.57	-14.25	-0.85	2.11
		103	3.46	3.07	-0.39	2.92	-0.24	-0.72	-0.66	-14.47	-13.99	-1.14	2.54
		105	3.42	3.21	-0.25	3.19	-0.22	-0.27	-1.00	-14.45	-13.87	-1.58	2.72
		99	3.42	3.92	-1.36	3.40	-0.84	1.58	-0.92	-14.45	-14.05	-1.32	2.29
62	75	97	3.21	2.30	-0.49	1.98	-0.17	0.88	-0.31	-13.37	-13.14	-0.54	1.73
		103	3.15	1.17	-0.15	1.13	-0.10	-0.24	-0.35	-13.19	-12.86	-0.68	2.04
		105	3.13	2.01	-0.03	1.97	7.19e-03	0.28	-0.72	-13.26	-12.84	-1.14	2.25
		99	3.16	2.77	-0.85	2.47	-0.55	1.00	-0.72	-13.34	-13.03	-1.03	1.93

63	2	99	4.49	3.87	-0.57	3.56	-0.26	1.13	-1.03	-18.93	-18.50	-1.46	2.74
		105	4.70	0.25	-1.94	-1.87	0.18	0.39	-0.95	-19.86	-19.45	-1.35	2.73
		106	4.83	8.85	-0.95	7.57	0.33	3.30	-2.07	-20.59	-20.03	-2.63	3.18
		100	4.28	1.06	-1.68	0.71	-1.33	-0.91	-2.07	-18.63	-18.18	-2.53	2.70
63	10	99	3.39	3.03	-0.44	2.79	-0.20	0.87	-0.82	-14.32	-14.05	-1.09	1.88
		105	3.53	0.20	-1.44	-1.39	0.14	0.31	-0.76	-14.95	-14.69	-1.02	1.91
		106	3.62	6.82	-0.72	5.84	0.26	2.54	-1.60	-15.44	-15.07	-1.97	2.23
		100	3.24	0.83	-1.28	0.57	-1.02	-0.69	-1.58	-14.10	-13.82	-1.86	1.85
63	17	99	3.02	3.58	-0.47	3.30	-0.19	1.02	-0.57	-12.60	-12.37	-0.80	1.66
		105	3.00	0.25	-1.41	-1.33	0.17	0.36	-0.53	-12.64	-12.37	-0.81	1.79
		106	3.04	7.59	-0.76	6.51	0.32	2.80	-0.94	-12.72	-12.36	-1.31	2.04
		100	2.91	0.98	-1.37	0.71	-1.11	-0.74	-1.08	-12.52	-12.29	-1.31	1.61
63	25	99	2.95	3.54	-0.47	3.26	-0.19	1.01	-0.52	-12.29	-12.07	-0.74	1.60
		105	2.91	0.25	-1.39	-1.31	0.16	0.35	-0.49	-12.23	-11.96	-0.76	1.75
		106	2.94	7.49	-0.75	6.43	0.31	2.76	-0.81	-12.23	-11.87	-1.17	1.98
		100	2.86	0.96	-1.36	0.70	-1.10	-0.73	-0.98	-12.24	-12.02	-1.20	1.56
63	43	99	3.42	5.53	-1.66	4.76	-0.90	2.22	-0.83	-14.30	-13.98	-1.14	2.04
		105	3.31	1.48	0.37	1.44	0.41	0.20	-3.49	-15.11	-14.43	-4.16	2.72
		106	3.24	7.88	-0.89	7.33	-0.34	2.13	-3.87	-14.55	-13.93	-4.49	2.50
		100	3.20	1.95	-1.98	1.83	-1.86	0.68	-1.27	-13.74	-13.49	-1.52	1.75
63	59	99	3.14	3.67	-0.54	3.37	-0.24	1.08	-0.71	-13.16	-12.94	-0.93	1.64
		105	3.05	0.22	-0.59	-0.58	0.21	0.08	-1.02	-13.13	-12.83	-1.31	1.87
		106	3.09	6.70	-0.53	5.99	0.18	2.15	-1.36	-13.10	-12.74	-1.71	2.01
		100	3.04	0.91	-1.21	0.81	-1.11	-0.44	-1.15	-13.09	-12.85	-1.38	1.67
64	7	100	3.30	5.58	-1.79	3.52	0.28	3.31	-0.04	-13.73	-12.11	-1.66	4.42
		106	4.73	6.76	-1.21	5.08	0.47	-3.25	2.48	-17.90	-17.83	2.40	1.20
		20	8.87	10.00	-1.39	6.95	1.66	5.05	25.83	-16.06	-8.86	18.63	15.81
		101	4.53	6.77	-2.60	4.68	-0.51	-3.90	-11.96	-21.68	-17.58	-16.06	-4.80
64	15	100	2.53	4.40	-1.33	2.83	0.24	2.56	-0.30	-10.68	-9.69	-1.29	3.05
		106	3.60	5.28	-0.91	4.07	0.29	-2.45	1.47	-13.83	-13.78	1.43	0.85
		20	6.13	7.56	-1.08	5.32	1.16	3.78	16.92	-12.15	-7.26	12.03	10.87
		101	3.29	5.11	-1.84	3.65	-0.38	-2.84	-8.64	-15.77	-13.53	-10.88	-3.31
64	17	100	2.76	3.88	-1.28	2.34	0.26	2.36	-0.88	-11.83	-11.40	-1.31	2.12
		106	3.37	5.42	-1.62	4.23	-0.43	-2.64	-0.93	-14.06	-13.91	-1.08	1.43
		20	2.73	6.18	-1.44	5.15	-0.41	2.61	0.13	-11.25	-9.08	-2.04	4.47
		101	3.08	4.81	-0.79	3.84	0.18	-2.12	-1.91	-13.35	-13.35	-1.91	-0.04
64	25	100	2.70	3.83	-1.26	2.31	0.26	2.33	-0.75	-11.55	-11.14	-1.16	2.06
		106	3.26	5.35	-1.60	4.18	-0.42	-2.61	-0.84	-13.55	-13.40	-0.99	1.36
		20	2.63	6.10	-1.42	5.09	-0.40	2.57	0.50	-10.62	-8.51	-1.61	4.36
		101	3.04	4.74	-0.78	3.79	0.18	-2.09	-1.82	-13.16	-13.16	-1.82	-0.02
64	46	100	2.48	1.75	-0.47	0.87	0.42	1.09	-3.67	-11.65	-11.11	-4.21	2.00
		106	4.52	3.49	-0.90	2.35	0.25	-1.93	11.22	-10.31	-10.27	11.18	0.92
		20	4.41	6.40	-1.45	4.36	0.60	3.44	12.61	-8.32	-6.26	10.55	6.24
		101	3.10	5.45	-2.15	3.17	0.13	-3.49	-4.19	-14.04	-13.24	-4.99	2.70
64	78	100	2.58	2.89	-0.86	1.69	0.34	1.75	-2.15	-11.60	-11.14	-2.61	2.04
		106	3.69	4.48	-1.22	3.35	-0.09	-2.27	4.87	-12.00	-11.92	4.79	1.16
		20	3.29	6.24	-1.37	4.76	0.11	3.01	6.19	-9.48	-7.46	4.17	5.26
		101	2.99	5.05	-1.41	3.51	0.13	-2.75	-3.17	-13.37	-13.21	-3.33	1.28
65	7	101	5.73	4.72	-0.30	4.45	-0.04	1.12	12.41	-14.70	-14.61	12.32	-1.56
		20	7.39	7.55	-2.56	6.92	-1.93	-2.45	-11.92	-34.88	-16.22	-30.58	8.96
		108	3.97	8.70	-2.74	7.67	-1.70	3.28	-9.84	-18.65	-17.90	-10.60	2.47
		102	3.97	6.91	-2.27	4.49	0.15	-4.04	-1.02	-16.54	-16.27	-1.29	2.03
65	15	101	4.17	3.71	-0.29	3.45	-0.03	1.00	8.03	-11.61	-11.57	8.00	-0.83
		20	4.95	5.89	-1.83	5.37	-1.31	-1.93	-9.29	-23.53	-12.12	-20.70	5.68
		108	3.03	6.60	-2.00	5.79	-1.19	2.52	-6.85	-14.19	-13.78	-7.25	1.68
		102	3.00	5.22	-1.67	3.43	0.13	-3.02	-0.90	-12.58	-12.43	-1.06	1.33

65	24	101	3.35	4.25	-1.61	3.44	-0.80	2.03	-1.53	-14.51	-13.55	-2.49	3.39
		20	2.15	7.85	-0.86	5.91	1.08	-3.63	0.16	-8.68	-8.11	-0.41	-2.17
		108	3.25	6.62	-0.56	5.90	0.16	2.15	-0.58	-13.38	-13.25	-0.72	1.32
		102	2.66	5.98	-1.65	4.26	0.07	-3.18	-1.31	-11.24	-11.15	-1.40	0.92
65	25	101	3.32	4.16	-1.32	3.45	-0.61	1.84	-0.34	-13.78	-13.19	-0.94	2.76
		20	1.91	7.37	-0.99	5.80	0.58	-3.26	-2.99	-8.65	-8.47	-3.17	-1.00
		108	3.13	6.58	-0.86	5.84	-0.12	2.23	-1.44	-13.28	-13.11	-1.61	1.39
		102	2.69	5.78	-1.62	4.07	0.09	-3.12	-1.19	-11.34	-11.25	-1.28	1.00
65	42	101	3.25	5.67	-2.20	3.89	-0.41	3.30	-3.99	-14.75	-14.75	-4.00	0.13
		20	3.94	8.61	-0.71	6.06	1.84	-4.15	11.24	-7.51	-7.05	10.78	-2.91
		108	4.99	6.53	0.28	6.27	0.54	1.25	12.49	-11.06	-10.99	12.42	1.29
		102	2.81	5.33	-0.10	4.79	0.44	-1.63	-4.28	-12.81	-12.77	-4.33	0.62
65	74	101	3.22	4.85	-1.71	3.65	-0.52	2.53	-2.20	-14.13	-13.94	-2.39	1.50
		20	2.58	7.93	-0.83	5.92	1.18	-3.68	3.77	-8.12	-7.80	3.45	-1.91
		108	3.81	6.53	-0.29	6.04	0.20	1.76	5.16	-12.21	-12.11	5.06	1.35
		102	2.73	5.51	-0.85	4.41	0.26	-2.41	-2.66	-12.05	-11.98	-2.73	0.81
66	4	104	4.62	-0.10	-2.73	-2.69	-0.14	-0.32	0.05	-18.99	-18.99	0.04	0.41
		110	4.34	-0.10	-2.83	-2.81	-0.11	0.23	0.06	-17.82	-17.80	0.04	0.58
		109	4.46	-0.16	-2.23	-2.09	-0.30	0.52	-0.14	-18.45	-17.97	-0.62	2.93
		103	4.74	-0.27	-1.48	-1.48	-0.27	1.65e-04	-0.12	-19.71	-19.20	-0.62	3.11
66	12	104	3.48	-0.07	-1.91	-1.88	-0.09	-0.22	0.03	-14.34	-14.34	0.03	0.28
		110	3.28	-0.07	-1.99	-1.98	-0.08	0.16	0.04	-13.49	-13.48	0.03	0.41
		109	3.35	-0.10	-1.56	-1.46	-0.20	0.37	-0.15	-13.91	-13.61	-0.45	2.04
		103	3.56	-0.18	-1.01	-1.01	-0.18	0.01	-0.13	-14.82	-14.49	-0.45	2.16
66	24	104	2.90	-0.03	-1.30	-1.29	-0.04	-0.12	0.01	-11.98	-11.98	8.32e-03	0.24
		110	2.78	-0.04	-1.38	-1.37	-0.04	0.06	0.03	-11.46	-11.45	0.02	0.34
		109	2.85	-0.03	-1.02	-0.95	-0.10	0.25	-0.04	-11.81	-11.54	-0.31	1.76
		103	2.97	-0.07	-0.58	-0.57	-0.08	0.08	-0.03	-12.34	-12.06	-0.30	1.82
66	25	104	2.82	-0.01	-1.05	-1.05	-0.02	-0.07	4.67e-03	-11.66	-11.66	3.30e-04	0.22
		110	2.71	-0.02	-1.12	-1.12	-0.02	0.02	0.03	-11.18	-11.17	0.02	0.31
		109	2.77	4.09e-03	-0.78	-0.73	-0.04	0.19	-0.04	-11.49	-11.25	-0.27	1.62
		103	2.88	4.26e-03	-0.41	-0.37	-0.03	0.12	-9.79e-04	-11.98	-11.73	-0.25	1.71
66	42	104	3.48	3.86	-6.08e-03	3.68	0.17	0.80	-0.16	-14.29	-14.24	-0.21	0.82
		110	3.36	3.87	0.14	3.82	0.19	-0.43	-0.23	-13.81	-13.75	-0.29	0.90
		109	3.43	2.55	-0.41	2.49	-0.34	-0.43	-0.24	-14.17	-13.83	-0.57	2.14
		103	3.56	2.92	-0.66	2.68	-0.41	0.90	-0.11	-14.67	-14.32	-0.46	2.24
66	74	104	3.11	1.30	-0.03	1.20	0.07	0.35	-0.08	-12.91	-12.89	-0.10	0.51
		110	3.00	1.25	0.05	1.22	0.08	-0.19	-0.10	-12.43	-12.40	-0.13	0.59
		109	3.07	0.81	-0.20	0.80	-0.18	-0.11	-0.13	-12.77	-12.48	-0.42	1.87
		103	3.20	1.24	-0.38	1.07	-0.21	0.49	-0.05	-13.26	-12.96	-0.35	1.96
67	4	103	4.70	-0.38	-1.07	-1.07	-0.38	-0.07	-0.16	-19.61	-19.19	-0.57	2.80
		109	4.44	-0.44	-2.67	-2.48	-0.62	0.61	-0.22	-18.40	-17.99	-0.63	2.68
		111	4.38	0.49	-2.24	-1.17	-0.58	1.33	-1.63	-18.87	-18.35	-2.15	2.94
		105	4.73	-0.18	-1.73	-0.98	-0.94	0.78	-1.83	-20.49	-19.93	-2.39	3.18
67	12	103	3.53	-0.25	-0.69	-0.69	-0.26	-0.04	-0.15	-14.75	-14.49	-0.42	1.95
		109	3.34	-0.30	-1.88	-1.75	-0.44	0.44	-0.20	-13.88	-13.62	-0.46	1.87
		111	3.29	0.41	-1.59	-0.80	-0.38	0.98	-1.24	-14.21	-13.88	-1.57	2.03
		105	3.55	-0.05	-1.26	-0.65	-0.66	0.60	-1.36	-15.37	-15.01	-1.72	2.21
67	17	103	2.95	0.09	-0.12	-0.03	6.86e-03	0.10	-0.04	-12.29	-12.09	-0.25	1.56
		109	2.83	-0.11	-1.07	-1.02	-0.16	0.22	-0.08	-11.75	-11.56	-0.28	1.50
		111	2.81	0.66	-0.85	-0.29	0.10	0.73	-0.70	-11.98	-11.75	-0.93	1.60
		105	2.98	0.52	-0.90	-0.13	-0.26	0.71	-0.57	-12.65	-12.40	-0.83	1.75
67	25	103	2.86	0.09	-0.11	-0.03	6.40e-03	0.10	-0.04	-11.93	-11.73	-0.24	1.54
		109	2.76	-0.10	-1.05	-1.00	-0.15	0.21	-0.07	-11.46	-11.26	-0.27	1.49
		111	2.74	0.65	-0.84	-0.29	0.10	0.72	-0.64	-11.67	-11.43	-0.88	1.62
		105	2.89	0.51	-0.89	-0.12	-0.26	0.70	-0.52	-12.25	-11.99	-0.78	1.73

67	42	103	3.54	3.28	-0.41	3.05	-0.18	0.89	-0.87	-14.93	-14.49	-1.31	2.46
		109	3.42	2.21	-0.54	2.20	-0.53	0.12	-0.83	-14.47	-13.99	-1.31	2.52
		111	3.36	2.02	-0.69	1.88	-0.55	0.61	-1.33	-14.50	-13.95	-1.88	2.64
		105	3.51	2.57	-1.25	2.08	-0.76	1.28	-1.28	-15.08	-14.55	-1.81	2.64
67	74	103	3.18	1.57	-0.22	1.43	-0.08	0.48	-0.44	-13.36	-13.05	-0.75	1.98
		109	3.05	0.55	-0.37	0.52	-0.33	0.17	-0.44	-12.88	-12.56	-0.77	1.98
		111	3.02	1.08	-0.55	0.74	-0.21	0.67	-0.97	-13.01	-12.63	-1.35	2.10
		105	3.17	1.41	-0.99	0.92	-0.49	0.97	-0.89	-13.59	-13.22	-1.27	2.16
68	4	105	4.74	4.87	-0.57	4.85	-0.56	-0.27	-1.65	-20.10	-19.58	-2.17	3.05
		111	4.51	-0.21	-6.39	-4.85	-1.74	2.67	-1.76	-19.15	-18.64	-2.26	2.92
		112	4.25	2.76	0.27	1.08	1.96	1.16	-3.28	-19.11	-18.53	-3.85	2.95
		106	5.06	-0.47	-11.76	-8.38	-3.85	5.17	-5.17	-22.38	-21.57	-5.98	3.65
68	12	105	3.56	3.74	-0.36	3.73	-0.36	-0.16	-1.24	-15.09	-14.76	-1.57	2.11
		111	3.39	-0.12	-4.70	-3.58	-1.24	1.97	-1.32	-14.41	-14.09	-1.64	2.02
		112	3.20	2.20	0.28	0.91	1.57	0.90	-2.46	-14.37	-14.01	-2.81	2.03
		106	3.79	-0.31	-8.74	-6.22	-2.83	3.86	-3.71	-16.70	-16.19	-4.22	2.53
68	17	105	3.00	4.04	0.15	4.04	0.15	0.18	-0.55	-12.47	-12.22	-0.80	1.71
		111	2.89	0.10	-3.80	-3.10	-0.60	1.50	-0.70	-12.09	-11.86	-0.93	1.59
		112	2.73	3.14	0.79	1.58	2.35	1.11	-1.61	-12.06	-11.87	-1.81	1.41
		106	3.20	-0.06	-7.58	-5.43	-2.21	3.40	-1.18	-13.42	-13.16	-1.44	1.75
68	25	105	2.91	3.99	0.14	3.99	0.15	0.17	-0.51	-12.08	-11.83	-0.76	1.69
		111	2.82	0.10	-3.75	-3.05	-0.59	1.48	-0.64	-11.77	-11.53	-0.88	1.61
		112	2.66	3.10	0.78	1.56	2.32	1.10	-1.46	-11.74	-11.53	-1.66	1.45
		106	3.10	-0.06	-7.49	-5.36	-2.19	3.36	-1.05	-12.93	-12.67	-1.31	1.74
68	43	105	3.46	6.11	0.11	5.80	0.42	1.32	-3.57	-15.50	-14.81	-4.26	2.78
		111	3.41	-0.22	-2.46	-1.13	-1.55	1.10	-1.61	-14.82	-14.07	-2.36	3.06
		112	3.28	2.22	0.56	1.89	0.89	0.66	-1.93	-14.46	-13.40	-3.00	3.50
		106	3.59	-0.13	-6.94	-4.31	-2.76	3.32	-3.63	-15.96	-14.93	-4.66	3.41
68	75	105	3.16	4.95	0.17	4.84	0.28	0.72	-1.99	-13.69	-13.25	-2.43	2.21
		111	3.09	-0.19	-3.00	-2.14	-1.05	1.30	-1.13	-13.20	-12.74	-1.58	2.30
		112	2.94	2.57	0.79	1.72	1.64	0.89	-1.75	-12.97	-12.42	-2.30	2.42
		106	3.31	-0.11	-7.20	-4.85	-2.46	3.33	-2.34	-14.31	-13.75	-2.91	2.54
69	8	106	3.19	3.40	-9.65	-3.21	-3.03	-6.52	-6.47	-15.07	-15.03	-6.51	0.57
		112	5.70	2.45	-7.82	-2.69	-2.68	5.13	-4.00	-24.94	-22.02	-6.92	7.26
		113	5.30	3.96	-6.90	-2.25	-0.69	-5.37	8.42	-16.37	-16.23	8.27	-1.87
		20	11.40	5.85	-13.57	-3.12	-4.59	9.68	-8.03	-49.70	-31.11	-26.63	20.71
69	16	106	2.45	2.60	-7.00	-2.33	-2.07	-4.80	-4.52	-11.53	-11.51	-4.54	0.36
		112	4.17	1.84	-5.61	-1.84	-1.94	3.73	-3.09	-18.33	-16.47	-4.94	4.99
		113	3.86	2.79	-4.94	-1.68	-0.46	-3.82	5.41	-12.50	-12.40	5.32	-1.30
		20	8.01	4.23	-9.76	-2.30	-3.23	6.98	-6.35	-35.18	-23.24	-18.29	14.20
69	24	106	2.28	2.73	-5.15	-1.76	-0.67	-3.90	-1.68	-10.16	-10.08	-1.76	0.83
		112	3.15	1.65	-3.71	-0.71	-1.35	2.66	-2.01	-13.83	-13.18	-2.67	2.70
		113	2.68	1.60	-3.19	-1.57	-0.02	-2.27	-0.34	-11.21	-11.20	-0.35	0.31
		20	4.85	2.89	-6.57	-1.90	-1.78	4.73	-3.44	-21.23	-19.08	-5.59	5.79
69	25	106	2.32	2.79	-4.74	-1.63	-0.32	-3.71	-1.01	-10.09	-10.00	-1.11	0.94
		112	2.95	1.63	-3.27	-0.43	-1.22	2.42	-1.81	-12.99	-12.58	-2.22	2.11
		113	2.50	1.33	-2.80	-1.56	0.09	-1.89	-1.85	-11.11	-11.06	-1.90	0.71
		20	4.51	2.59	-5.83	-1.82	-1.43	4.21	-1.90	-19.36	-18.54	-2.72	3.68
69	50	106	3.36	2.11	-4.58	-1.53	-0.94	-3.33	-10.47	-15.81	-12.97	-13.31	2.66
		112	3.49	1.35	-4.43	-0.46	-2.62	2.68	0.04	-14.37	-13.15	-1.18	4.01
		113	3.97	1.17	-3.67	-2.19	-0.31	-2.23	2.73	-14.89	-11.41	-0.74	7.01
		20	6.47	2.64	-7.75	-2.21	-2.90	5.18	-7.63	-29.30	-21.92	-15.01	10.27
69	82	106	2.51	2.47	-4.67	-1.60	-0.61	-3.54	-6.30	-12.00	-11.40	-6.91	1.76
		112	3.19	1.48	-3.81	-0.45	-1.89	2.55	-0.96	-13.60	-12.84	-1.72	3.01
		113	2.98	1.25	-3.22	-1.87	-0.10	-2.06	-0.11	-12.46	-11.22	-1.35	3.71
		20	5.19	2.60	-6.75	-2.01	-2.14	4.68	-5.40	-23.30	-20.15	-8.55	6.82

70	7	20	12.16	5.52	-11.21	-3.66	-2.03	-8.33	-10.91	-54.17	-30.11	-34.98	-21.49
		113	6.42	3.26	-6.93	-1.59	-2.08	5.09	14.94	-15.51	-13.07	12.49	8.27
		114	4.86	3.40	-7.31	-2.41	-1.50	-5.33	-5.97	-22.15	-21.36	-6.76	-3.50
		108	3.35	3.00	-7.65	-2.21	-2.44	5.33	-12.40	-14.61	-13.60	-13.41	1.10
70	15	20	8.42	4.00	-8.22	-2.73	-1.49	-6.08	-8.60	-37.80	-22.63	-23.77	-14.59
		113	4.57	2.43	-4.98	-1.16	-1.38	3.70	9.73	-11.92	-10.29	8.10	5.71
		114	3.62	2.51	-5.39	-1.77	-1.11	-3.94	-4.39	-16.50	-16.03	-4.86	-2.34
		108	2.47	2.40	-5.67	-1.63	-1.65	4.04	-8.78	-10.99	-10.60	-9.17	0.84
70	23	20	4.62	3.06	-6.03	-2.60	-0.37	-4.41	-6.35	-21.13	-19.48	-8.00	-4.65
		113	3.09	1.41	-3.57	-1.15	-1.01	2.49	1.91	-11.62	-10.69	0.98	3.42
		114	2.95	2.42	-4.37	-1.07	-0.88	-3.39	-3.01	-13.44	-13.44	-3.01	0.02
		108	2.31	3.04	-4.60	-1.34	-0.21	3.78	-3.06	-10.52	-10.16	-3.41	1.59
70	25	20	4.36	2.89	-5.51	-2.59	-0.03	-4.00	-4.12	-19.53	-19.21	-4.44	-2.19
		113	2.84	1.10	-3.26	-1.17	-0.98	2.18	-0.13	-11.70	-10.93	-0.89	2.87
		114	2.87	2.44	-4.13	-0.87	-0.82	-3.29	-2.66	-13.06	-13.02	-2.70	0.64
		108	2.47	3.25	-4.35	-1.28	0.17	3.73	-1.70	-10.73	-10.36	-2.08	1.81
70	42	20	5.87	3.25	-3.21	-1.46	1.50	-2.87	10.27	-17.57	-16.89	9.59	4.31
		113	4.74	1.58	-1.90	-0.06	-0.26	1.74	3.40	-17.64	-12.20	-2.03	9.21
		114	3.32	3.45	-2.43	0.26	0.76	-2.93	-2.81	-14.82	-13.94	-3.69	3.13
		108	4.66	4.15	-3.93	-0.67	0.89	3.97	12.77	-9.21	-8.44	11.99	4.05
70	74	20	4.69	3.05	-4.39	-2.05	0.70	-3.46	2.27	-18.15	-18.11	2.23	0.90
		113	3.63	1.33	-2.60	-0.64	-0.64	1.96	1.27	-14.24	-11.54	-1.43	5.89
		114	3.05	2.92	-3.32	-0.33	-0.07	-3.12	-2.86	-13.78	-13.47	-3.17	1.82
		108	3.29	3.68	-4.15	-0.98	0.52	3.84	5.17	-10.02	-9.45	4.61	2.88
71	4	110	4.35	-0.08	-2.66	-2.64	-0.10	-0.22	0.07	-17.86	-17.85	0.06	0.42
		116	3.53	-0.13	-3.90	-3.88	-0.15	0.28	0.04	-14.36	-14.33	0.01	0.66
		115	3.72	0.13	-3.15	-3.01	-0.01	0.67	0.21	-15.13	-14.39	-0.54	3.30
		109	4.47	-0.18	-2.35	-2.31	-0.22	0.30	-0.14	-18.51	-18.03	-0.62	2.92
71	12	110	3.29	-0.05	-1.87	-1.86	-0.07	-0.15	0.05	-13.52	-13.52	0.05	0.29
		116	2.70	-0.09	-2.74	-2.73	-0.10	0.19	0.03	-11.00	-10.98	0.01	0.46
		115	2.81	0.09	-2.22	-2.12	-7.02e-03	0.47	0.08	-11.50	-11.02	-0.40	2.31
		109	3.36	-0.12	-1.65	-1.62	-0.15	0.22	-0.15	-13.96	-13.65	-0.45	2.03
71	24	110	2.79	-0.03	-1.30	-1.29	-0.03	-0.08	0.04	-11.51	-11.50	0.03	0.25
		116	2.42	-0.05	-1.80	-1.80	-0.05	0.10	0.03	-9.93	-9.92	0.01	0.37
		115	2.52	0.05	-1.48	-1.44	5.58e-03	0.25	0.07	-10.33	-9.97	-0.30	1.92
		109	2.86	-0.04	-1.11	-1.08	-0.07	0.18	-0.04	-11.86	-11.59	-0.31	1.76
71	25	110	2.72	-0.01	-1.06	-1.06	-0.02	-0.05	0.03	-11.23	-11.23	0.02	0.23
		116	2.38	-0.02	-1.39	-1.38	-0.03	0.05	0.02	-9.78	-9.77	0.01	0.34
		115	2.46	0.03	-1.15	-1.14	0.01	0.14	0.02	-10.12	-9.82	-0.28	1.74
		109	2.78	-2.16e-03	-0.88	-0.85	-0.03	0.16	-0.04	-11.54	-11.31	-0.27	1.62
71	42	110	3.18	2.54	-0.49	2.19	-0.15	0.96	-0.04	-13.10	-13.02	-0.12	1.02
		116	2.84	2.43	0.21	2.40	0.24	-0.25	-0.07	-11.68	-11.56	-0.19	1.18
		115	2.95	1.88	-0.10	1.82	-0.04	-0.33	0.07	-12.09	-11.55	-0.47	2.51
		109	3.26	2.08	-0.91	1.64	-0.47	1.07	0.02	-13.48	-13.05	-0.40	2.35
71	74	110	2.92	0.72	-0.31	0.48	-0.08	0.43	-0.01	-12.12	-12.09	-0.04	0.61
		116	2.57	0.44	0.07	0.41	0.10	-0.09	-0.03	-10.68	-10.62	-0.09	0.74
		115	2.67	0.29	-0.04	0.27	-0.01	-0.08	0.04	-11.06	-10.65	-0.37	2.11
		109	2.99	0.70	-0.61	0.33	-0.24	0.59	-0.01	-12.46	-12.15	-0.33	1.97
72	4	109	4.42	-0.41	-2.07	-2.04	-0.45	0.23	-0.25	-18.39	-18.00	-0.64	2.63
		115	3.67	-0.09	-3.40	-3.23	-0.27	0.74	0.05	-15.00	-14.38	-0.57	3.00
		117	3.58	0.25	-2.53	-2.40	0.11	0.59	-0.81	-15.08	-14.28	-1.61	3.28
		111	4.37	0.04	-2.83	-2.30	-0.50	1.12	-1.63	-18.76	-18.26	-2.13	2.89
72	12	109	3.33	-0.28	-1.44	-1.41	-0.31	0.17	-0.22	-13.87	-13.63	-0.47	1.83
		115	2.78	-0.06	-2.41	-2.28	-0.18	0.52	-0.02	-11.41	-11.01	-0.42	2.10
		117	2.71	0.18	-1.79	-1.70	0.09	0.41	-0.69	-11.45	-10.94	-1.20	2.28
		111	3.29	0.07	-2.04	-1.64	-0.33	0.82	-1.24	-14.13	-13.81	-1.55	2.00

72	24	109	2.84	-0.12	-0.92	-0.89	-0.15	0.14	-0.10	-11.79	-11.57	-0.32	1.59
		115	2.50	-0.03	-1.62	-1.56	-0.09	0.30	-3.81e-03	-10.27	-9.96	-0.31	1.75
		117	2.45	0.11	-1.19	-1.17	0.09	0.16	-0.53	-10.35	-9.97	-0.91	1.89
		111	2.82	0.23	-1.52	-1.23	-0.06	0.65	-0.73	-11.99	-11.70	-1.01	1.75
72	25	109	2.76	-0.04	-0.69	-0.66	-0.07	0.13	-0.08	-11.49	-11.30	-0.28	1.46
		115	2.44	-9.66e-03	-1.28	-1.25	-0.04	0.19	-0.04	-10.07	-9.81	-0.29	1.59
		117	2.39	0.09	-0.94	-0.94	0.09	0.04	-0.57	-10.15	-9.84	-0.88	1.70
		111	2.75	0.32	-1.32	-1.07	0.07	0.59	-0.64	-11.67	-11.43	-0.88	1.59
72	43	109	3.26	2.25	-1.21	1.55	-0.51	1.39	-0.46	-13.74	-13.14	-1.06	2.77
		115	3.01	1.53	0.10	1.49	0.14	0.24	0.18	-12.36	-11.55	-0.63	3.08
		117	2.95	1.08	-0.03	1.08	-0.03	0.03	-0.21	-12.31	-11.35	-1.17	3.28
		111	3.22	1.87	-1.91	0.54	-0.57	1.81	-0.89	-13.77	-13.04	-1.61	2.98
72	75	109	2.98	0.86	-0.75	0.39	-0.28	0.73	-0.28	-12.54	-12.18	-0.65	2.09
		115	2.68	0.26	-0.16	0.05	0.05	0.21	0.04	-11.14	-10.64	-0.46	2.30
		117	2.63	0.06	-8.04e-03	0.02	0.03	0.03	-0.43	-11.15	-10.56	-1.02	2.45
		111	2.96	0.90	-1.44	-0.31	-0.23	1.17	-0.79	-12.65	-12.20	-1.23	2.25
73	8	111	4.28	-0.25	-2.44	-2.00	-0.69	0.87	-1.66	-18.42	-17.74	-2.34	3.30
		117	3.70	-1.35e-03	-4.08	-3.58	-0.50	1.34	-0.48	-15.31	-14.23	-1.56	3.86
		118	3.51	0.54	-2.16	-2.03	0.41	0.58	-0.94	-14.88	-13.79	-2.03	3.74
		112	4.44	0.08	-4.82	-3.89	-0.85	1.91	-2.96	-19.41	-18.40	-3.97	3.94
73	16	111	3.22	-0.12	-1.67	-1.36	-0.43	0.62	-1.27	-13.89	-13.46	-1.69	2.27
		117	2.78	-2.80e-03	-2.88	-2.54	-0.35	0.94	-0.49	-11.60	-10.91	-1.17	2.67
		118	2.64	0.33	-1.49	-1.41	0.26	0.36	-0.87	-11.29	-10.60	-1.55	2.58
		112	3.32	0.16	-3.53	-2.91	-0.45	1.38	-2.26	-14.56	-13.94	-2.89	2.70
73	24	111	2.79	0.30	-0.68	-0.53	0.15	0.35	-0.74	-11.92	-11.65	-1.00	1.70
		117	2.46	-0.04	-1.73	-1.60	-0.16	0.44	-0.56	-10.37	-10.00	-0.93	1.88
		118	2.36	-0.02	-0.77	-0.73	-0.06	-0.18	-1.03	-10.26	-9.90	-1.38	1.77
		112	2.85	0.93	-2.97	-2.75	0.72	0.89	-1.50	-12.28	-11.97	-1.82	1.80
73	25	111	2.73	0.41	-0.44	-0.33	0.30	0.28	-0.65	-11.62	-11.40	-0.87	1.55
		117	2.40	-0.04	-1.46	-1.38	-0.12	0.32	-0.60	-10.17	-9.86	-0.90	1.68
		118	2.31	0.03	-0.73	-0.56	-0.14	-0.32	-1.11	-10.09	-9.81	-1.39	1.57
		112	2.78	1.18	-2.89	-2.74	1.02	0.77	-1.40	-11.92	-11.68	-1.64	1.57
73	43	111	3.23	1.96	-1.59	1.25	-0.87	1.42	-1.28	-14.03	-13.12	-2.18	3.27
		117	2.94	1.12	-0.34	0.66	0.12	0.67	-0.15	-12.34	-11.35	-1.14	3.33
		118	2.95	1.40	-0.22	1.38	-0.21	0.15	-0.56	-12.48	-11.39	-1.65	3.43
		112	3.34	1.45	-2.95	-1.47	-0.03	2.08	-1.91	-14.52	-13.47	-2.96	3.49
73	75	111	2.94	0.97	-0.81	0.42	-0.26	0.82	-1.00	-12.72	-12.22	-1.49	2.37
		117	2.65	0.32	-0.73	-0.41	-7.77e-03	0.49	-0.42	-11.18	-10.58	-1.02	2.47
		118	2.60	0.38	-0.19	0.37	-0.17	-0.09	-0.89	-11.19	-10.57	-1.51	2.46
		112	3.02	1.12	-2.73	-2.13	0.52	1.39	-1.70	-13.10	-12.54	-2.27	2.48
74	8	112	4.28	-1.64	-3.44	-3.36	-1.72	-0.36	-2.36	-18.70	-18.02	-3.05	3.28
		118	3.62	1.26	-3.59	-2.70	0.38	1.87	-1.34	-15.37	-14.00	-2.70	4.16
		119	3.55	2.86	-1.71	-1.53	2.68	-0.89	-0.40	-14.85	-13.84	-1.41	3.68
		113	4.37	6.13e-03	-5.72	-1.90	-3.81	2.70	-3.57	-19.46	-17.92	-5.11	4.70
74	16	112	3.22	-1.17	-2.66	-2.55	-1.28	-0.39	-1.83	-14.10	-13.67	-2.26	2.25
		118	2.71	1.00	-2.51	-1.88	0.37	1.35	-1.16	-11.61	-10.75	-2.02	2.86
		119	2.67	1.99	-1.30	-1.15	1.83	-0.70	-0.53	-11.26	-10.63	-1.17	2.53
		113	3.26	-0.03	-3.91	-1.35	-2.59	1.84	-2.78	-14.59	-13.65	-3.73	3.21
74	17	112	2.79	-0.39	-3.57	-2.78	-1.18	-1.38	-1.46	-12.14	-11.94	-1.66	1.45
		118	2.36	1.36	-0.99	-0.72	1.09	0.75	-1.28	-10.27	-9.97	-1.58	1.62
		119	2.28	0.75	-1.62	-1.14	0.27	-0.95	-1.49	-10.11	-9.82	-1.77	1.54
		113	2.81	-0.20	-0.70	-0.64	-0.26	0.16	-2.19	-12.62	-12.37	-2.43	1.57
74	25	112	2.73	-0.39	-3.52	-2.74	-1.17	-1.36	-1.30	-11.83	-11.62	-1.52	1.48
		118	2.33	1.34	-0.98	-0.71	1.07	0.74	-1.20	-10.14	-9.84	-1.50	1.61
		119	2.26	0.74	-1.60	-1.13	0.27	-0.94	-1.41	-9.98	-9.71	-1.68	1.51
		113	2.75	-0.20	-0.69	-0.64	-0.26	0.16	-1.96	-12.28	-12.04	-2.20	1.55

74	43	112	3.33	-0.83	-2.23	-1.35	-1.70	0.68	0.03	-13.79	-13.01	-0.75	3.19
		118	2.99	2.82	4.92e-03	1.31	1.52	1.41	-0.65	-12.70	-11.45	-1.90	3.68
		119	2.78	0.24	-0.69	-0.60	0.15	-0.28	-0.89	-11.98	-10.87	-2.00	3.33
		113	3.25	2.05	-2.86	0.04	-0.84	2.41	-0.59	-13.70	-12.98	-1.32	3.00
74	75	112	3.00	-1.24	-2.26	-2.08	-1.42	-0.39	-0.70	-12.74	-12.29	-1.15	2.30
		118	2.62	1.94	-0.41	0.25	1.28	1.06	-0.99	-11.31	-10.61	-1.69	2.60
		119	2.49	0.50	-1.16	-0.87	0.22	-0.62	-1.21	-10.89	-10.26	-1.83	2.38
		113	2.98	0.81	-1.66	-0.31	-0.53	1.23	-1.33	-12.94	-12.49	-1.78	2.24
75	4	113	4.40	0.79	-1.18	-1.17	0.77	0.15	-2.71	-19.44	-18.64	-3.51	3.57
		119	3.36	-0.31	-1.77	-1.77	-0.31	0.08	-2.25	-14.87	-13.93	-3.18	3.30
		120	3.48	3.26	-0.54	0.78	1.94	-1.81	-1.60	-15.11	-14.15	-2.55	3.47
		114	4.24	-0.02	-3.55	-2.45	-1.12	1.63	-2.33	-18.48	-17.74	-3.07	3.37
75	12	113	3.30	0.44	-0.91	-0.91	0.44	5.10e-03	-2.16	-14.62	-14.13	-2.65	2.43
		119	2.54	-0.14	-1.28	-1.28	-0.14	0.05	-1.76	-11.27	-10.68	-2.35	2.29
		120	2.62	2.41	-0.48	0.53	1.40	-1.38	-1.34	-11.44	-10.84	-1.94	2.39
		114	3.19	-0.08	-2.54	-1.78	-0.84	1.14	-1.83	-13.94	-13.47	-2.29	2.32
75	17	113	2.78	-1.14e-03	-1.97	-1.16	-0.80	-0.97	-2.41	-12.57	-12.39	-2.59	1.36
		119	2.31	0.64	-0.86	-0.86	0.64	-0.08	-1.35	-10.14	-9.82	-1.67	1.64
		120	2.29	1.97	-1.10	0.02	0.85	-1.48	-1.62	-10.22	-9.95	-1.89	1.49
		114	2.77	-0.67	-1.30	-1.15	-0.81	0.26	-1.70	-12.23	-11.98	-1.95	1.61
75	25	113	2.72	-2.22e-03	-1.94	-1.15	-0.79	-0.95	-2.17	-12.24	-12.05	-2.35	1.34
		119	2.29	0.63	-0.85	-0.85	0.63	-0.08	-1.27	-10.01	-9.70	-1.58	1.62
		120	2.27	1.95	-1.09	0.02	0.85	-1.46	-1.54	-10.08	-9.82	-1.79	1.46
		114	2.71	-0.66	-1.28	-1.14	-0.80	0.26	-1.54	-11.90	-11.66	-1.78	1.55
75	43	113	3.12	1.36	-1.31	-0.35	0.41	1.28	-2.62	-14.02	-13.30	-3.34	2.77
		119	2.86	1.10	-0.49	-0.10	0.71	0.69	0.13	-11.79	-10.71	-0.95	3.42
		120	2.84	0.83	-0.67	-0.27	0.43	-0.66	0.10	-11.78	-10.61	-1.06	3.54
		114	3.12	2.01	-2.31	-0.71	0.41	2.09	-1.74	-13.57	-12.60	-2.70	3.24
75	75	113	2.90	-0.20	-0.79	-0.77	-0.22	0.11	-2.43	-13.05	-12.65	-2.83	2.02
		119	2.54	0.73	-0.55	-0.49	0.67	0.28	-0.64	-10.83	-10.19	-1.28	2.48
		120	2.52	1.41	-0.88	-0.12	0.65	-1.08	-0.81	-10.84	-10.21	-1.45	2.45
		114	2.88	0.61	-1.76	-0.93	-0.22	1.13	-1.69	-12.65	-12.12	-2.22	2.36
76	8	116	3.50	-0.17	-5.16	-5.14	-0.20	-0.35	0.06	-14.15	-14.13	0.04	0.55
		122	2.70	-0.21	-5.97	-5.95	-0.24	0.41	0.05	-10.72	-10.66	-0.01	0.79
		121	3.12	-8.39e-03	-4.10	-4.08	-0.03	0.26	1.05	-12.16	-10.73	-0.38	4.10
		115	3.78	-0.07	-3.93	-3.91	-0.08	0.26	0.47	-15.20	-14.20	-0.52	3.82
76	16	116	2.68	-0.12	-3.59	-3.58	-0.13	-0.24	0.04	-10.85	-10.83	0.03	0.38
		122	2.08	-0.15	-4.15	-4.13	-0.17	0.28	0.03	-8.31	-8.28	-6.11e-03	0.56
		121	2.35	-3.04e-03	-2.85	-2.84	-0.01	0.17	0.63	-9.25	-8.33	-0.29	2.87
		115	2.85	-0.04	-2.74	-2.73	-0.06	0.18	0.24	-11.53	-10.89	-0.39	2.65
76	24	116	2.42	-0.04	-1.83	-1.83	-0.04	-0.07	0.03	-9.90	-9.89	0.03	0.27
		122	1.95	-0.05	-2.03	-2.03	-0.06	0.09	0.02	-7.97	-7.95	9.71e-04	0.41
		121	2.10	0.02	-1.43	-1.43	0.02	6.50e-04	0.26	-8.52	-7.99	-0.27	2.08
		115	2.51	3.44e-03	-1.46	-1.46	-3.77e-03	0.10	0.07	-10.32	-9.95	-0.30	1.92
76	25	116	2.37	-0.02	-1.41	-1.40	-0.02	-0.03	0.03	-9.75	-9.75	0.02	0.25
		122	1.93	-0.03	-1.52	-1.52	-0.03	0.04	0.02	-7.90	-7.88	2.45e-03	0.38
		121	2.05	0.03	-1.09	-1.08	0.03	-0.04	0.17	-8.37	-7.93	-0.27	1.90
		115	2.45	0.02	-1.15	-1.15	9.35e-03	0.08	0.02	-10.11	-9.80	-0.29	1.74
76	43	116	2.62	0.88	-0.61	0.38	-0.11	0.70	0.16	-10.83	-10.68	0.01	1.26
		122	2.20	0.97	0.13	0.92	0.17	0.19	0.17	-9.04	-8.82	-0.05	1.41
		121	2.43	0.96	-0.03	0.91	0.02	-0.22	0.56	-9.74	-8.86	-0.32	2.88
		115	2.78	0.72	-0.68	0.32	-0.29	0.63	0.40	-11.40	-10.73	-0.27	2.72
76	75	116	2.48	0.09	-0.72	-0.56	-0.07	0.32	0.07	-10.25	-10.20	0.02	0.73
		122	2.04	0.10	-0.39	-0.36	0.07	0.11	0.07	-8.42	-8.33	-0.02	0.87
		121	2.21	0.10	-0.21	-0.14	0.03	-0.13	0.35	-9.02	-8.38	-0.30	2.37
		115	2.61	0.08	-0.67	-0.45	-0.13	0.34	0.19	-10.72	-10.25	-0.28	2.21

77	8	115	3.70	-0.34	-3.93	-3.92	-0.35	0.19	0.27	-14.99	-14.17	-0.55	3.44
		121	3.05	-0.39	-4.27	-4.24	-0.41	0.33	0.83	-11.94	-10.73	-0.38	3.75
		123	3.06	0.06	-2.78	-2.78	0.06	-0.03	0.38	-12.38	-10.86	-1.14	4.14
		117	3.67	0.05	-3.26	-3.17	-0.04	0.54	-0.42	-15.24	-14.14	-1.52	3.88
77	16	115	2.80	-0.22	-2.74	-2.73	-0.23	0.14	0.11	-11.39	-10.87	-0.41	2.39
		121	2.30	-0.26	-2.97	-2.96	-0.28	0.22	0.49	-9.11	-8.33	-0.30	2.63
		123	2.30	0.05	-1.93	-1.93	0.05	-0.04	0.10	-9.39	-8.41	-0.88	2.89
		117	2.76	0.05	-2.30	-2.23	-0.02	0.38	-0.44	-11.54	-10.85	-1.14	2.69
77	24	115	2.48	-0.04	-1.42	-1.42	-0.05	0.07	-0.01	-10.24	-9.94	-0.31	1.73
		121	2.07	-0.07	-1.49	-1.49	-0.07	0.03	0.17	-8.43	-7.99	-0.28	1.90
		123	2.05	0.13	-1.02	-0.99	0.11	-0.16	-0.29	-8.60	-8.06	-0.83	2.06
		117	2.45	0.08	-1.32	-1.30	0.06	0.18	-0.52	-10.33	-9.95	-0.90	1.89
77	25	115	2.43	2.21e-03	-1.11	-1.10	-6.27e-04	0.06	-0.05	-10.04	-9.79	-0.30	1.57
		121	2.02	-0.02	-1.14	-1.14	-0.02	-0.02	0.10	-8.30	-7.92	-0.28	1.74
		123	1.99	0.17	-0.81	-0.77	0.12	-0.20	-0.38	-8.44	-7.98	-0.84	1.86
		117	2.39	0.09	-1.09	-1.07	0.08	0.13	-0.56	-10.13	-9.82	-0.87	1.70
77	43	115	2.87	1.28	-0.95	0.42	-0.09	1.09	0.46	-11.68	-10.75	-0.47	3.23
		121	2.54	0.91	0.06	0.88	0.10	0.17	0.90	-10.06	-8.85	-0.31	3.44
		123	2.54	0.82	-0.02	0.77	0.03	-0.20	0.54	-10.24	-8.86	-0.83	3.59
		117	2.85	0.99	-1.09	0.10	-0.19	1.03	0.04	-11.79	-10.73	-1.03	3.38
77	75	115	2.62	0.36	-0.78	-0.38	-0.04	0.55	0.15	-10.79	-10.25	-0.38	2.36
		121	2.24	0.06	-0.20	-0.18	0.04	0.07	0.44	-9.10	-8.37	-0.29	2.55
		123	2.23	0.23	-0.18	-0.04	0.08	-0.20	0.02	-9.26	-8.41	-0.84	2.69
		117	2.59	0.32	-0.89	-0.52	-0.05	0.56	-0.32	-10.88	-10.25	-0.95	2.50
78	8	117	3.64	-0.09	-3.12	-3.08	-0.14	0.37	-0.45	-15.15	-14.09	-1.51	3.80
		123	3.06	-0.30	-2.97	-2.96	-0.31	0.10	0.34	-12.37	-10.88	-1.16	4.09
		124	2.98	0.32	-1.64	-1.56	0.23	-0.40	-0.26	-12.47	-10.99	-1.74	3.98
		118	3.61	0.35	-2.63	-2.57	0.29	0.41	-1.12	-15.35	-14.14	-2.34	3.98
78	16	117	2.74	-0.04	-2.19	-2.15	-0.08	0.26	-0.47	-11.48	-10.82	-1.13	2.63
		123	2.30	-0.20	-2.07	-2.07	-0.20	0.06	0.07	-9.39	-8.43	-0.89	2.86
		124	2.23	0.25	-1.16	-1.09	0.18	-0.31	-0.40	-9.44	-8.50	-1.34	2.77
		118	2.71	0.27	-1.87	-1.84	0.23	0.28	-0.99	-11.61	-10.84	-1.76	2.74
78	24	117	2.44	0.11	-1.20	-1.20	0.11	0.07	-0.54	-10.31	-9.94	-0.90	1.86
		123	2.04	-6.68e-03	-1.09	-1.08	-0.01	-0.08	-0.31	-8.59	-8.06	-0.84	2.03
		124	1.99	0.32	-0.73	-0.58	0.17	-0.37	-0.80	-8.62	-8.11	-1.31	1.93
		118	2.39	0.30	-1.22	-1.22	0.30	0.06	-1.07	-10.35	-9.97	-1.45	1.84
78	25	117	2.38	0.16	-0.97	-0.97	0.16	0.02	-0.57	-10.11	-9.81	-0.87	1.67
		123	1.99	0.05	-0.86	-0.84	0.03	-0.12	-0.40	-8.42	-7.98	-0.85	1.83
		124	1.93	0.36	-0.64	-0.45	0.17	-0.39	-0.91	-8.45	-8.03	-1.33	1.73
		118	2.33	0.32	-1.08	-1.08	0.32	-2.82e-03	-1.12	-10.13	-9.83	-1.42	1.62
78	43	117	2.86	1.50	-1.04	0.27	0.19	1.27	0.10	-11.80	-10.71	-0.98	3.43
		123	2.55	0.79	0.04	0.72	0.11	0.22	0.60	-10.30	-8.86	-0.83	3.68
		124	2.49	0.63	-0.03	0.57	0.02	-0.19	0.12	-10.28	-8.84	-1.32	3.59
		118	2.81	1.12	-1.21	-0.26	0.17	1.15	-0.39	-11.78	-10.66	-1.51	3.39
78	75	117	2.59	0.57	-0.78	-0.38	0.17	0.61	-0.29	-10.87	-10.24	-0.92	2.50
		123	2.23	0.08	-0.11	-0.10	0.07	0.04	0.04	-9.28	-8.41	-0.84	2.71
		124	2.18	0.36	-0.23	0.04	0.10	-0.29	-0.46	-9.28	-8.42	-1.32	2.61
		118	2.54	0.50	-0.94	-0.69	0.25	0.54	-0.82	-10.88	-10.23	-1.46	2.46
79	8	118	3.58	0.16	-2.44	-2.44	0.16	-0.04	-1.00	-15.23	-14.08	-2.15	3.88
		124	2.99	-0.06	-1.77	-1.76	-0.08	-0.14	-0.34	-12.54	-11.02	-1.87	4.03
		125	2.95	1.09	-0.75	-0.21	0.54	-0.84	-0.64	-12.55	-11.20	-1.99	3.78
		119	3.56	0.39	-1.13	-1.13	0.39	-0.03	-1.35	-15.36	-14.07	-2.63	4.05
79	16	118	2.69	0.11	-1.74	-1.74	0.11	-0.05	-0.91	-11.52	-10.80	-1.63	2.67
		124	2.24	-6.31e-03	-1.24	-1.23	-0.02	-0.12	-0.46	-9.49	-8.52	-1.43	2.80
		125	2.21	0.80	-0.57	-0.14	0.38	-0.63	-0.69	-9.49	-8.63	-1.55	2.62
		119	2.67	0.33	-0.82	-0.82	0.32	-0.05	-1.19	-11.60	-10.80	-2.00	2.78

79	24	118	2.38	0.11	-1.21	-1.17	0.06	-0.25	-1.04	-10.33	-9.96	-1.41	1.82
		124	1.99	0.27	-0.70	-0.66	0.23	-0.21	-0.83	-8.62	-8.11	-1.34	1.93
		125	1.95	0.71	-0.61	-0.08	0.18	-0.64	-1.13	-8.61	-8.16	-1.57	1.77
		119	2.35	0.55	-0.71	-0.65	0.48	-0.27	-1.38	-10.34	-9.97	-1.75	1.78
79	25	118	2.33	0.13	-1.11	-1.03	0.05	-0.30	-1.10	-10.12	-9.83	-1.40	1.61
		124	1.93	0.35	-0.58	-0.52	0.29	-0.24	-0.93	-8.44	-8.02	-1.35	1.73
		125	1.89	0.69	-0.63	-0.07	0.14	-0.65	-1.25	-8.42	-8.06	-1.61	1.57
		119	2.29	0.62	-0.70	-0.61	0.53	-0.33	-1.46	-10.13	-9.84	-1.75	1.54
79	43	118	2.84	0.93	-1.03	-0.17	0.07	0.97	-0.39	-11.94	-10.68	-1.65	3.60
		124	2.48	0.68	0.26	0.55	0.39	0.19	0.22	-10.22	-8.82	-1.18	3.56
		125	2.49	0.64	-0.16	0.50	-0.02	-0.30	-0.12	-10.38	-9.00	-1.49	3.49
		119	2.85	1.22	-0.68	-0.03	0.56	0.90	-0.73	-12.15	-10.86	-2.03	3.62
79	75	118	2.55	0.18	-0.74	-0.62	0.06	0.31	-0.82	-10.93	-10.24	-1.52	2.56
		124	2.17	0.34	-0.01	-8.47e-03	0.34	-0.03	-0.42	-9.26	-8.41	-1.27	2.60
		125	2.16	0.62	-0.36	0.20	0.06	-0.49	-0.76	-9.31	-8.51	-1.56	2.49
		119	2.53	0.61	-0.40	-0.33	0.54	0.26	-1.18	-11.03	-10.33	-1.88	2.53
80	8	119	3.59	1.24	-1.19	-1.02	1.07	-0.61	-0.94	-15.35	-14.10	-2.19	4.05
		125	2.92	0.22	-0.73	-0.32	-0.19	-0.47	-0.85	-12.57	-11.19	-2.22	3.77
		126	2.96	1.66	9.99e-03	0.88	0.79	-0.82	-0.73	-12.56	-11.31	-1.97	3.64
		120	3.55	0.87	-0.39	0.34	0.14	-0.62	-0.97	-15.20	-14.09	-2.07	3.81
80	16	119	2.69	0.90	-0.90	-0.75	0.76	-0.49	-0.92	-11.59	-10.81	-1.70	2.78
		125	2.19	0.20	-0.52	-0.22	-0.10	-0.35	-0.83	-9.50	-8.63	-1.70	2.61
		126	2.21	1.22	-0.04	0.62	0.56	-0.63	-0.75	-9.49	-8.70	-1.53	2.50
		120	2.67	0.66	-0.31	0.23	0.11	-0.48	-0.91	-11.49	-10.80	-1.61	2.62
80	24	119	2.34	0.77	-1.00	-0.67	0.44	-0.69	-1.34	-10.34	-9.97	-1.70	1.77
		125	1.95	0.43	-0.37	-0.08	0.15	-0.38	-1.15	-8.61	-8.16	-1.60	1.77
		126	1.94	1.05	-0.39	0.32	0.34	-0.72	-1.19	-8.57	-8.19	-1.57	1.63
		120	2.34	0.71	-0.46	0.08	0.18	-0.58	-1.25	-10.29	-9.95	-1.58	1.71
80	25	119	2.28	0.75	-1.05	-0.65	0.36	-0.75	-1.48	-10.12	-9.84	-1.76	1.53
		125	1.89	0.50	-0.33	-0.05	0.21	-0.39	-1.24	-8.42	-8.06	-1.61	1.57
		126	1.88	1.02	-0.48	0.25	0.29	-0.75	-1.31	-8.37	-8.07	-1.61	1.42
		120	2.28	0.74	-0.50	0.04	0.19	-0.62	-1.36	-10.09	-9.82	-1.63	1.51
80	43	119	2.89	0.77	-0.54	-0.10	0.32	0.62	0.11	-11.91	-10.71	-1.09	3.61
		125	2.48	0.59	0.31	0.59	0.32	0.03	-0.18	-10.38	-9.02	-1.54	3.48
		126	2.46	1.13	0.10	1.05	0.18	-0.27	-0.39	-10.36	-9.18	-1.58	3.23
		120	2.88	1.35	-0.31	0.94	0.10	0.72	0.11	-11.93	-10.82	-1.00	3.48
80	75	119	2.54	0.35	-0.40	-0.39	0.34	-0.10	-0.77	-10.93	-10.26	-1.44	2.52
		125	2.15	0.45	0.06	0.26	0.26	-0.19	-0.78	-9.31	-8.52	-1.58	2.48
		126	2.14	1.00	-0.13	0.63	0.24	-0.53	-0.92	-9.28	-8.60	-1.59	2.28
		120	2.55	0.48	0.15	0.48	0.15	0.02	-0.71	-10.93	-10.30	-1.33	2.45
81	8	122	2.69	-0.15	-5.89	-5.87	-0.18	-0.40	0.04	-10.73	-10.70	7.48e-03	0.57
		128	1.94	-0.25	-5.19	-5.15	-0.28	0.41	0.06	-7.61	-7.53	-0.02	0.80
		127	2.49	-0.04	-3.40	-3.38	-0.07	-0.29	1.46	-9.39	-7.60	-0.33	4.03
		121	3.11	-0.05	-4.16	-4.12	-0.09	-0.41	1.03	-12.18	-10.77	-0.38	4.07
81	16	122	2.08	-0.10	-4.10	-4.08	-0.12	-0.27	0.03	-8.32	-8.30	8.31e-03	0.40
		128	1.51	-0.17	-3.60	-3.58	-0.19	0.28	0.04	-5.96	-5.91	-0.02	0.57
		127	1.87	-0.03	-2.36	-2.34	-0.05	-0.22	0.93	-7.15	-5.97	-0.26	2.85
		121	2.35	-0.03	-2.89	-2.86	-0.06	-0.29	0.62	-9.27	-8.36	-0.29	2.86
81	22	122	1.99	-0.02	-1.66	-1.66	-0.03	-0.05	0.03	-8.12	-8.11	0.02	0.26
		128	1.51	-0.02	-1.31	-1.31	-0.03	0.02	0.02	-6.16	-6.13	-2.74e-03	0.41
		127	1.68	0.05	-0.95	-0.91	0.01	-0.19	0.33	-6.79	-6.18	-0.27	1.98
		121	2.10	0.02	-1.23	-1.22	0.01	-0.11	0.15	-8.59	-8.17	-0.28	1.89
81	25	122	1.93	-0.02	-1.49	-1.49	-0.02	-0.04	0.03	-7.90	-7.89	0.02	0.26
		128	1.45	-0.03	-1.20	-1.20	-0.03	0.04	0.02	-5.93	-5.90	-3.29e-03	0.41
		127	1.63	0.04	-0.83	-0.79	4.79e-03	-0.18	0.35	-6.58	-5.96	-0.27	1.98
		121	2.05	0.02	-1.10	-1.09	0.01	-0.11	0.17	-8.38	-7.94	-0.27	1.89

81	43	122	2.12	0.18	-0.83	-0.53	-0.12	0.46	0.25	-8.67	-8.48	0.06	1.28
		128	1.67	0.49	0.06	0.47	0.09	0.11	0.28	-6.80	-6.51	-0.01	1.42
		127	1.99	0.87	-0.20	0.68	-7.67e-03	-0.41	0.88	-7.72	-6.57	-0.28	2.94
		121	2.35	-0.03	-0.37	-0.18	-0.22	0.17	0.67	-9.43	-8.54	-0.23	2.87
81	75	122	2.01	-0.03	-1.08	-1.04	-0.07	0.20	0.10	-8.24	-8.18	0.04	0.75
		128	1.54	0.04	-0.42	-0.41	0.02	0.07	0.12	-6.32	-6.20	-8.81e-03	0.89
		127	1.79	0.25	-0.34	-0.09	-1.15e-03	-0.29	0.59	-7.12	-6.25	-0.27	2.43
		121	2.19	-0.10	-0.66	-0.66	-0.10	0.02	0.39	-8.87	-8.23	-0.25	2.36
82	8	121	3.02	-0.30	-4.21	-4.16	-0.36	-0.45	0.78	-11.94	-10.76	-0.39	3.68
		127	2.40	-0.47	-3.54	-3.52	-0.49	-0.25	1.23	-9.15	-7.62	-0.31	3.69
		129	2.46	0.19	-2.44	-2.15	-0.10	-0.83	0.85	-9.74	-7.86	-1.02	4.04
		123	3.05	0.03	-2.91	-2.82	-0.06	-0.51	0.33	-12.37	-10.89	-1.15	4.08
82	16	121	2.29	-0.20	-2.93	-2.89	-0.24	-0.31	0.45	-9.10	-8.35	-0.30	2.58
		127	1.81	-0.32	-2.46	-2.44	-0.33	-0.19	0.77	-6.99	-5.98	-0.25	2.61
		129	1.84	0.15	-1.70	-1.48	-0.06	-0.59	0.43	-7.38	-6.15	-0.80	2.85
		123	2.29	0.03	-2.03	-1.97	-0.03	-0.36	0.07	-9.39	-8.43	-0.89	2.85
82	24	121	2.06	-0.03	-1.45	-1.44	-0.05	-0.15	0.14	-8.43	-8.00	-0.28	1.87
		127	1.64	-0.07	-1.16	-1.14	-0.10	-0.17	0.34	-6.58	-5.98	-0.26	1.95
		129	1.63	0.20	-0.85	-0.67	0.02	-0.40	-0.08	-6.83	-6.10	-0.82	2.11
		123	2.04	0.10	-1.07	-1.02	0.05	-0.23	-0.30	-8.59	-8.06	-0.83	2.03
82	25	121	2.02	0.01	-1.09	-1.08	-5.27e-04	-0.12	0.08	-8.29	-7.93	-0.28	1.70
		127	1.60	-7.27e-03	-0.85	-0.82	-0.04	-0.16	0.26	-6.48	-5.96	-0.27	1.81
		129	1.59	0.21	-0.65	-0.47	0.04	-0.35	-0.19	-6.70	-6.06	-0.84	1.94
		123	1.99	0.12	-0.84	-0.79	0.07	-0.20	-0.39	-8.42	-7.98	-0.84	1.84
82	43	121	2.48	0.49	-0.75	-0.15	-0.12	0.62	1.00	-9.74	-8.53	-0.22	3.41
		127	2.12	0.65	-0.16	0.65	-0.16	-0.01	1.30	-8.06	-6.56	-0.20	3.44
		129	2.14	0.87	-0.24	0.69	-0.06	-0.41	0.89	-8.37	-6.70	-0.79	3.56
		123	2.47	0.28	-0.47	-0.02	-0.18	0.37	0.57	-9.97	-8.61	-0.79	3.54
82	75	121	2.22	0.03	-0.72	-0.64	-0.06	0.23	0.47	-8.95	-8.22	-0.25	2.51
		127	1.82	-0.02	-0.20	-0.12	-0.10	-0.09	0.72	-7.21	-6.25	-0.23	2.58
		129	1.84	0.42	-0.35	0.08	-0.01	-0.38	0.29	-7.47	-6.37	-0.81	2.71
		123	2.20	-0.03	-0.44	-0.42	-0.05	0.07	0.03	-9.13	-8.28	-0.81	2.65
83	8	123	3.03	-0.13	-2.97	-2.85	-0.26	-0.58	0.31	-12.33	-10.87	-1.14	4.03
		129	2.44	-0.14	-2.52	-2.24	-0.42	-0.77	0.78	-9.70	-7.87	-1.04	3.97
		130	2.41	0.76	-1.85	-1.07	-0.02	-1.19	0.12	-9.91	-8.11	-1.68	3.85
		124	2.98	0.40	-1.93	-1.67	0.15	-0.73	-0.35	-12.52	-11.04	-1.83	3.98
83	16	123	2.28	-0.08	-2.07	-1.99	-0.16	-0.41	0.05	-9.36	-8.42	-0.88	2.81
		129	1.82	-0.08	-1.75	-1.55	-0.28	-0.55	0.39	-7.35	-6.15	-0.81	2.80
		130	1.79	0.55	-1.29	-0.73	-7.17e-03	-0.85	-0.13	-7.49	-6.32	-1.31	2.70
		124	2.23	0.30	-1.36	-1.17	0.12	-0.52	-0.46	-9.48	-8.53	-1.41	2.76
83	24	123	2.04	0.09	-1.08	-1.02	0.03	-0.27	-0.31	-8.57	-8.05	-0.83	2.00
		129	1.63	0.11	-0.87	-0.70	-0.06	-0.37	-0.11	-6.81	-6.10	-0.83	2.07
		130	1.59	0.47	-0.71	-0.28	0.04	-0.57	-0.63	-6.88	-6.19	-1.32	1.96
		124	1.98	0.32	-0.80	-0.64	0.16	-0.39	-0.83	-8.62	-8.12	-1.34	1.91
83	25	123	1.98	0.14	-0.84	-0.78	0.08	-0.23	-0.40	-8.41	-7.98	-0.84	1.81
		129	1.58	0.16	-0.66	-0.49	-9.33e-03	-0.33	-0.22	-6.68	-6.06	-0.84	1.90
		130	1.54	0.45	-0.57	-0.18	0.05	-0.50	-0.75	-6.73	-6.14	-1.34	1.79
		124	1.93	0.33	-0.66	-0.51	0.17	-0.36	-0.93	-8.44	-8.03	-1.35	1.71
83	43	123	2.50	0.70	-0.69	0.03	-0.03	0.69	0.63	-10.03	-8.60	-0.79	3.62
		129	2.15	0.70	-0.10	0.68	-0.09	-0.10	0.99	-8.38	-6.69	-0.69	3.60
		130	2.12	0.81	-0.25	0.64	-0.08	-0.39	0.46	-8.52	-6.84	-1.22	3.50
		124	2.46	0.49	-0.42	0.09	-0.03	0.45	0.10	-10.16	-8.74	-1.32	3.54
83	75	123	2.21	0.11	-0.48	-0.40	0.03	0.21	0.05	-9.14	-8.28	-0.81	2.68
		129	1.84	0.24	-0.22	0.07	-0.05	-0.22	0.33	-7.46	-6.37	-0.77	2.71
		130	1.80	0.57	-0.36	0.21	-8.36e-03	-0.45	-0.20	-7.56	-6.48	-1.29	2.60
		124	2.16	0.08	-0.23	-0.22	0.07	0.03	-0.49	-9.22	-8.37	-1.33	2.58

84	8	124	2.97	0.24	-2.06	-1.69	-0.13	-0.84	-0.31	-12.50	-11.03	-1.78	3.97
		130	2.40	0.57	-1.87	-1.14	-0.16	-1.11	0.05	-9.91	-8.12	-1.74	3.83
		131	2.37	1.57	-1.34	0.16	0.07	-1.46	-0.53	-9.98	-8.38	-2.13	3.55
		125	2.94	1.13	-1.03	-0.31	0.41	-1.02	-0.79	-12.58	-11.20	-2.17	3.80
84	16	124	2.23	0.19	-1.45	-1.18	-0.07	-0.60	-0.43	-9.47	-8.52	-1.37	2.76
		130	1.78	0.43	-1.30	-0.78	-0.10	-0.79	-0.18	-7.49	-6.32	-1.35	2.68
		131	1.76	1.14	-0.95	0.14	0.05	-1.04	-0.61	-7.53	-6.49	-1.65	2.47
		125	2.20	0.83	-0.74	-0.21	0.31	-0.74	-0.79	-9.51	-8.63	-1.67	2.62
84	24	124	1.98	0.29	-0.85	-0.63	0.07	-0.44	-0.81	-8.62	-8.12	-1.32	1.92
		130	1.58	0.42	-0.69	-0.31	0.04	-0.53	-0.67	-6.88	-6.20	-1.35	1.94
		131	1.55	0.83	-0.61	0.18	0.05	-0.72	-1.08	-6.86	-6.28	-1.65	1.74
		125	1.94	0.68	-0.54	-0.13	0.27	-0.58	-1.18	-8.61	-8.16	-1.62	1.76
84	25	124	1.93	0.32	-0.71	-0.50	0.11	-0.41	-0.91	-8.44	-8.03	-1.33	1.72
		130	1.53	0.43	-0.55	-0.20	0.08	-0.47	-0.79	-6.73	-6.14	-1.38	1.77
		131	1.50	0.76	-0.53	0.19	0.05	-0.64	-1.19	-6.69	-6.20	-1.68	1.57
		125	1.89	0.65	-0.50	-0.11	0.27	-0.54	-1.28	-8.42	-8.06	-1.64	1.56
84	43	124	2.46	0.70	-0.49	0.14	0.07	0.60	0.24	-10.10	-8.71	-1.15	3.53
		130	2.11	0.71	0.12	0.66	0.17	-0.16	0.40	-8.52	-6.84	-1.27	3.48
		131	2.06	0.80	-0.26	0.62	-0.08	-0.41	-0.07	-8.53	-6.99	-1.60	3.26
		125	2.41	0.60	-0.23	0.25	0.12	0.41	-0.19	-10.13	-8.83	-1.48	3.34
84	75	124	2.16	0.11	-0.21	-0.19	0.09	0.07	-0.41	-9.19	-8.36	-1.24	2.58
		130	1.79	0.50	-0.16	0.21	0.12	-0.33	-0.25	-7.55	-6.48	-1.33	2.59
		131	1.75	0.76	-0.38	0.39	-0.01	-0.53	-0.69	-7.54	-6.58	-1.64	2.37
		125	2.12	0.24	0.02	0.06	0.20	-0.09	-0.81	-9.19	-8.43	-1.57	2.41
85	8	125	2.95	1.08	-1.28	-0.34	0.14	-1.16	-0.71	-12.57	-11.20	-2.08	3.80
		131	2.36	1.49	-1.27	0.13	0.09	-1.38	-0.60	-9.99	-8.38	-2.22	3.55
		132	2.33	2.01	-0.81	1.01	0.19	-1.35	-0.81	-9.90	-8.54	-2.17	3.25
		126	2.96	2.07	-0.72	0.91	0.44	-1.38	-0.81	-12.56	-11.32	-2.04	3.60
85	16	125	2.21	0.80	-0.92	-0.24	0.12	-0.84	-0.74	-9.51	-8.64	-1.61	2.62
		131	1.76	1.08	-0.90	0.11	0.07	-0.99	-0.66	-7.54	-6.49	-1.71	2.47
		132	1.73	1.45	-0.59	0.73	0.14	-0.98	-0.81	-7.46	-6.60	-1.67	2.24
		126	2.21	1.49	-0.52	0.65	0.32	-1.00	-0.80	-9.49	-8.71	-1.58	2.48
85	24	125	1.95	0.70	-0.67	-0.14	0.16	-0.67	-1.15	-8.60	-8.17	-1.59	1.76
		131	1.54	0.81	-0.54	0.17	0.10	-0.67	-1.12	-6.86	-6.28	-1.70	1.73
		132	1.52	1.04	-0.48	0.48	0.08	-0.73	-1.22	-6.77	-6.32	-1.67	1.51
		126	1.95	1.07	-0.42	0.40	0.25	-0.74	-1.19	-8.57	-8.19	-1.57	1.64
85	25	125	1.89	0.68	-0.62	-0.12	0.18	-0.63	-1.26	-8.41	-8.06	-1.62	1.55
		131	1.49	0.75	-0.45	0.19	0.11	-0.60	-1.23	-6.70	-6.20	-1.73	1.57
		132	1.47	0.95	-0.45	0.43	0.07	-0.68	-1.33	-6.59	-6.23	-1.70	1.34
		126	1.89	0.97	-0.40	0.34	0.23	-0.68	-1.29	-8.38	-8.07	-1.60	1.44
85	43	125	2.41	0.64	-0.18	0.28	0.17	0.41	-0.24	-10.13	-8.84	-1.52	3.32
		131	2.05	0.79	0.06	0.65	0.20	-0.29	-0.06	-8.51	-6.98	-1.58	3.25
		132	2.02	1.15	-0.13	1.05	-0.03	-0.34	-0.22	-8.41	-7.07	-1.57	3.03
		126	2.40	1.13	0.06	1.02	0.17	0.33	-0.31	-10.12	-8.92	-1.51	3.22
85	75	125	2.12	0.27	-0.02	0.07	0.17	-0.14	-0.82	-9.19	-8.44	-1.57	2.40
		131	1.74	0.75	-0.19	0.41	0.15	-0.45	-0.71	-7.53	-6.58	-1.66	2.37
		132	1.71	1.00	-0.25	0.73	0.02	-0.52	-0.84	-7.43	-6.63	-1.64	2.15
		126	2.12	0.74	0.13	0.67	0.20	-0.20	-0.87	-9.17	-8.48	-1.56	2.29
86	6	128	2.25	-0.07	-2.88	-2.87	-0.08	-0.15	0.02	-9.12	-9.10	6.85e-03	0.38
		134	1.57	9.50e-03	-1.33	-1.33	6.28e-03	-0.07	0.05	-6.42	-6.37	-6.86e-03	0.59
		133	1.93	0.28	-1.59	-1.36	0.05	-0.62	0.79	-7.57	-6.44	-0.34	2.85
		127	2.49	0.10	-2.32	-2.23	0.01	-0.45	0.45	-10.01	-9.17	-0.39	2.85
86	14	128	1.72	-0.05	-2.05	-2.05	-0.06	-0.11	0.02	-6.97	-6.96	6.75e-03	0.27
		134	1.20	1.17e-03	-0.96	-0.95	-3.84e-04	-0.04	0.03	-4.89	-4.85	-4.40e-03	0.44
		133	1.44	0.20	-1.12	-0.95	0.03	-0.44	0.54	-5.71	-4.91	-0.26	2.09
		127	1.88	0.07	-1.64	-1.58	7.53e-03	-0.33	0.29	-7.60	-7.01	-0.30	2.07

86	22	128	1.51	-0.02	-1.34	-1.34	-0.03	-0.06	0.02	-6.16	-6.15	7.83e-03	0.26
		134	1.01	-0.02	-0.67	-0.67	-0.02	0.02	0.03	-4.15	-4.10	-6.29e-03	0.41
		133	1.27	0.14	-0.62	-0.48	2.56e-03	-0.29	0.58	-4.97	-4.15	-0.24	1.97
		127	1.68	0.07	-1.01	-0.94	1.01e-03	-0.26	0.32	-6.79	-6.20	-0.27	1.97
86	25	128	1.45	-0.02	-1.17	-1.17	-0.02	-0.04	0.02	-5.93	-5.92	7.70e-03	0.26
		134	0.96	-0.03	-0.60	-0.60	-0.03	0.03	0.04	-3.93	-3.89	-6.94e-03	0.41
		133	1.23	0.13	-0.50	-0.37	-4.20e-03	-0.26	0.61	-4.79	-3.94	-0.24	1.97
		127	1.63	0.07	-0.86	-0.79	-5.54e-04	-0.24	0.34	-6.58	-5.97	-0.27	1.96
86	42	128	1.66	-0.02	-0.85	-0.71	-0.16	0.31	0.29	-6.69	-6.49	0.08	1.17
		134	1.22	0.82	-0.22	0.79	-0.19	0.16	0.37	-4.85	-4.50	0.02	1.30
		133	1.59	1.11	-0.26	0.90	-0.04	-0.50	1.13	-5.88	-4.53	-0.23	2.77
		127	1.93	-0.05	-0.38	-0.21	-0.22	-0.16	0.86	-7.58	-6.52	-0.20	2.80
86	74	128	1.54	-0.07	-0.97	-0.95	-0.09	0.12	0.12	-6.27	-6.19	0.04	0.69
		134	1.06	0.11	-0.15	0.06	-0.11	0.10	0.17	-4.34	-4.18	7.11e-03	0.84
		133	1.40	0.50	-0.29	0.23	-0.02	-0.37	0.85	-5.31	-4.22	-0.23	2.35
		127	1.77	-0.02	-0.60	-0.51	-0.10	-0.20	0.58	-7.05	-6.24	-0.24	2.36
87	8	127	2.37	-0.09	-3.77	-3.45	-0.41	-1.04	1.16	-9.12	-7.64	-0.32	3.61
		133	1.80	-0.17	-2.40	-2.07	-0.51	-0.80	1.62	-6.56	-4.68	-0.25	3.43
		135	1.95	0.93	-2.36	-1.26	-0.17	-1.55	1.36	-7.24	-4.96	-0.92	3.80
		129	2.43	0.57	-2.88	-2.19	-0.12	-1.38	0.78	-9.71	-7.89	-1.05	3.98
87	14	127	1.84	0.08	-1.77	-1.66	-0.03	-0.43	0.18	-7.49	-7.01	-0.30	1.86
		133	1.40	0.25	-1.13	-0.89	5.51e-03	-0.53	0.43	-5.60	-4.92	-0.25	1.91
		135	1.42	0.46	-1.42	-1.04	0.08	-0.76	-6.16e-03	-5.91	-5.05	-0.87	2.08
		129	1.82	0.28	-1.44	-1.26	0.10	-0.52	-0.33	-7.69	-7.10	-0.93	2.01
87	22	127	1.64	0.05	-1.03	-0.96	-0.02	-0.28	0.21	-6.68	-6.20	-0.28	1.77
		133	1.23	0.11	-0.64	-0.49	-0.04	-0.30	0.47	-4.86	-4.16	-0.23	1.80
		135	1.26	0.36	-0.68	-0.33	6.80e-03	-0.49	0.09	-5.16	-4.28	-0.79	1.96
		129	1.63	0.24	-0.84	-0.64	0.04	-0.42	-0.25	-6.90	-6.30	-0.85	1.91
87	25	127	1.59	0.05	-0.86	-0.79	-0.02	-0.24	0.23	-6.47	-5.97	-0.27	1.77
		133	1.19	0.08	-0.53	-0.40	-0.05	-0.25	0.49	-4.67	-3.95	-0.24	1.80
		135	1.22	0.35	-0.52	-0.16	-0.01	-0.43	0.13	-4.97	-4.06	-0.78	1.96
		129	1.58	0.24	-0.71	-0.49	0.02	-0.40	-0.23	-6.69	-6.07	-0.85	1.90
87	43	127	1.96	8.45e-03	-0.44	-0.25	-0.19	0.22	1.35	-7.38	-5.90	-0.13	3.28
		133	1.62	0.76	-0.14	0.74	-0.12	-0.15	1.72	-5.67	-3.90	-0.05	3.16
		135	1.74	1.06	-0.36	0.80	-0.09	-0.55	1.24	-6.46	-4.57	-0.65	3.32
		129	2.06	0.11	-0.25	0.07	-0.20	-0.12	0.84	-8.13	-6.55	-0.74	3.42
87	75	127	1.75	-0.10	-0.53	-0.53	-0.10	-0.02	0.72	-6.87	-5.94	-0.20	2.49
		133	1.38	0.26	-0.20	0.14	-0.08	-0.20	1.05	-5.13	-3.92	-0.15	2.45
		135	1.46	0.64	-0.40	0.30	-0.05	-0.49	0.65	-5.67	-4.31	-0.72	2.60
		129	1.80	0.12	-0.43	-0.22	-0.09	-0.27	0.25	-7.35	-6.30	-0.80	2.62
88	8	129	2.42	0.40	-2.96	-2.24	-0.32	-1.38	0.79	-9.67	-7.86	-1.02	3.95
		135	1.93	0.67	-2.59	-1.40	-0.52	-1.57	1.23	-7.21	-5.02	-0.96	3.70
		136	1.94	1.53	-2.36	-0.56	-0.27	-1.94	0.69	-7.53	-5.22	-1.62	3.69
		130	2.40	1.27	-2.19	-1.05	0.13	-1.63	-0.03	-9.91	-8.16	-1.78	3.78
88	16	129	1.81	0.29	-2.05	-1.54	-0.21	-0.97	0.40	-7.33	-6.14	-0.79	2.79
		135	1.42	0.48	-1.79	-0.95	-0.36	-1.10	0.72	-5.45	-3.97	-0.76	2.63
		136	1.43	1.09	-1.63	-0.36	-0.19	-1.36	0.29	-5.66	-4.10	-1.27	2.62
		130	1.79	0.91	-1.52	-0.72	0.10	-1.14	-0.23	-7.50	-6.35	-1.38	2.65
88	24	129	1.62	0.24	-0.96	-0.69	-0.03	-0.50	-0.10	-6.80	-6.09	-0.81	2.06
		135	1.24	0.35	-0.81	-0.34	-0.12	-0.57	0.17	-5.06	-4.10	-0.79	2.02
		136	1.23	0.67	-0.76	-5.84e-03	-0.08	-0.72	-0.26	-5.18	-4.15	-1.29	2.00
		130	1.58	0.58	-0.78	-0.29	0.09	-0.65	-0.72	-6.88	-6.22	-1.38	1.91
88	25	129	1.58	0.23	-0.70	-0.48	0.02	-0.39	-0.21	-6.67	-6.05	-0.83	1.90
		135	1.21	0.33	-0.57	-0.19	-0.06	-0.44	0.05	-4.96	-4.10	-0.81	1.90
		136	1.19	0.58	-0.55	0.08	-0.06	-0.56	-0.39	-5.07	-4.13	-1.33	1.87
		130	1.53	0.50	-0.60	-0.18	0.09	-0.53	-0.84	-6.73	-6.17	-1.41	1.74

88	43	129	2.09	0.19	-0.21	0.09	-0.11	0.18	1.00	-8.15	-6.53	-0.62	3.49
		135	1.74	0.88	-0.22	0.76	-0.10	-0.34	1.27	-6.46	-4.60	-0.60	3.31
		136	1.72	0.95	-0.49	0.66	-0.19	-0.58	0.82	-6.63	-4.65	-1.16	3.29
		130	2.03	0.21	-0.11	0.19	-0.09	-0.08	0.35	-8.24	-6.66	-1.24	3.33
88	75	129	1.81	0.02	-0.27	-0.21	-0.04	-0.12	0.34	-7.35	-6.28	-0.73	2.66
		135	1.46	0.52	-0.34	0.26	-0.08	-0.40	0.62	-5.67	-4.34	-0.71	2.57
		136	1.43	0.74	-0.50	0.36	-0.12	-0.57	0.18	-5.81	-4.38	-1.25	2.55
		130	1.75	0.32	-0.32	-4.39e-03	5.16e-03	-0.32	-0.30	-7.43	-6.41	-1.33	2.50
89	8	130	2.42	0.75	-2.62	-1.20	-0.67	-1.66	0.15	-9.91	-8.13	-1.64	3.85
		136	1.90	1.99	-2.03	-0.44	0.39	-1.97	0.38	-7.52	-5.26	-1.88	3.57
		137	1.87	2.04	-2.57	0.29	-0.81	-2.24	-0.19	-7.63	-5.56	-2.26	3.33
		131	2.35	2.34	-1.37	0.18	0.79	-1.83	-0.71	-9.97	-8.38	-2.30	3.50
89	16	130	1.80	0.55	-1.82	-0.82	-0.46	-1.17	-0.10	-7.50	-6.33	-1.27	2.70
		136	1.40	1.41	-1.41	-0.27	0.28	-1.38	0.07	-5.65	-4.13	-1.46	2.53
		137	1.37	1.46	-1.79	0.24	-0.57	-1.57	-0.37	-5.72	-4.33	-1.75	2.34
		131	1.75	1.66	-0.96	0.15	0.55	-1.30	-0.74	-7.52	-6.49	-1.78	2.43
89	24	130	1.59	0.43	-0.89	-0.32	-0.14	-0.65	-0.59	-6.89	-6.20	-1.28	1.96
		136	1.20	0.85	-0.65	0.03	0.17	-0.75	-0.49	-5.17	-4.18	-1.48	1.91
		137	1.18	0.92	-0.89	0.31	-0.27	-0.86	-0.87	-5.18	-4.29	-1.75	1.74
		131	1.53	1.01	-0.56	0.17	0.29	-0.78	-1.20	-6.85	-6.28	-1.77	1.70
89	25	130	1.54	0.40	-0.67	-0.20	-0.07	-0.53	-0.71	-6.74	-6.14	-1.30	1.79
		136	1.16	0.72	-0.47	0.11	0.14	-0.59	-0.62	-5.06	-4.16	-1.52	1.78
		137	1.13	0.80	-0.68	0.33	-0.20	-0.69	-1.00	-5.05	-4.25	-1.80	1.61
		131	1.48	0.86	-0.47	0.17	0.22	-0.66	-1.32	-6.68	-6.20	-1.80	1.53
89	43	130	2.04	0.23	-0.25	0.19	-0.21	0.13	0.45	-8.25	-6.64	-1.16	3.38
		136	1.72	1.01	-0.05	0.73	0.23	-0.47	0.79	-6.65	-4.66	-1.20	3.30
		137	1.68	0.89	-0.85	0.59	-0.54	-0.66	0.39	-6.70	-4.81	-1.51	3.14
		131	1.97	0.42	0.19	0.39	0.22	-0.08	-0.15	-8.27	-6.77	-1.66	3.16
89	75	130	1.77	0.15	-0.30	-0.01	-0.14	-0.21	-0.19	-7.43	-6.38	-1.24	2.55
		136	1.42	0.84	-0.25	0.40	0.18	-0.53	0.04	-5.81	-4.40	-1.37	2.50
		137	1.38	0.83	-0.75	0.45	-0.36	-0.68	-0.35	-5.83	-4.52	-1.66	2.33
		131	1.70	0.63	-0.14	0.28	0.22	-0.38	-0.80	-7.41	-6.47	-1.73	2.30
90	8	131	2.36	1.42	-2.19	-0.04	-0.73	-1.77	-0.50	-9.92	-8.38	-2.04	3.48
		137	1.87	3.26	-1.50	0.64	1.12	-2.37	-0.52	-7.76	-5.55	-2.73	3.33
		138	1.72	2.38	-1.88	0.82	-0.31	-2.05	-1.03	-7.38	-5.79	-2.61	2.75
		132	2.36	3.11	-1.20	1.22	0.70	-2.14	-0.83	-9.97	-8.56	-2.24	3.30
90	16	131	1.76	1.02	-1.53	-8.92e-03	-0.50	-1.25	-0.58	-7.48	-6.49	-1.57	2.42
		137	1.37	2.30	-1.05	0.48	0.77	-1.67	-0.62	-5.81	-4.32	-2.10	2.34
		138	1.26	1.70	-1.31	0.61	-0.22	-1.45	-0.98	-5.52	-4.49	-2.01	1.90
		132	1.75	2.21	-0.85	0.88	0.48	-1.51	-0.83	-7.51	-6.61	-1.73	2.28
90	24	131	1.54	0.73	-0.79	0.10	-0.16	-0.75	-1.03	-6.82	-6.28	-1.57	1.68
		137	1.17	1.31	-0.56	0.41	0.33	-0.93	-1.14	-5.25	-4.28	-2.11	1.74
		138	1.08	1.09	-0.70	0.49	-0.10	-0.84	-1.41	-4.96	-4.38	-1.99	1.31
		132	1.53	1.32	-0.52	0.57	0.23	-0.90	-1.24	-6.81	-6.33	-1.72	1.56
90	25	131	1.49	0.67	-0.61	0.13	-0.07	-0.63	-1.15	-6.66	-6.20	-1.60	1.52
		137	1.13	1.07	-0.45	0.40	0.23	-0.76	-1.28	-5.12	-4.24	-2.15	1.61
		138	1.04	0.94	-0.55	0.46	-0.07	-0.70	-1.54	-4.81	-4.32	-2.03	1.17
		132	1.48	1.10	-0.44	0.50	0.17	-0.75	-1.35	-6.64	-6.24	-1.75	1.39
90	43	131	1.98	0.36	-0.22	0.35	-0.22	0.05	0.02	-8.21	-6.76	-1.42	3.13
		137	1.68	1.42	0.04	0.79	0.67	-0.69	0.05	-6.85	-4.84	-1.96	3.14
		138	1.55	1.09	-0.38	0.87	-0.16	-0.53	-0.30	-6.51	-4.98	-1.84	2.68
		132	1.96	1.05	0.16	1.03	0.17	-0.11	-0.23	-8.20	-6.86	-1.57	2.97
90	75	131	1.71	0.41	-0.31	0.24	-0.14	-0.31	-0.62	-7.37	-6.47	-1.52	2.29
		137	1.38	1.24	-0.22	0.58	0.44	-0.72	-0.65	-5.94	-4.53	-2.06	2.34
		138	1.27	1.00	-0.45	0.66	-0.11	-0.62	-0.96	-5.61	-4.63	-1.94	1.89
		132	1.69	1.00	-0.07	0.75	0.17	-0.45	-0.85	-7.35	-6.54	-1.66	2.15

91	6	134	1.57	-0.06	-1.72	-1.70	-0.08	-0.20	0.02	-6.42	-6.39	-4.69e-03	0.38
		140	0.87	0.22	0.02	0.22	0.03	-0.02	0.05	-3.59	-3.51	-0.02	0.53
		139	1.37	0.43	-0.97	-0.48	-0.06	-0.67	1.22	-4.95	-3.58	-0.15	2.57
		133	1.93	0.26	-1.85	-1.58	-0.01	-0.71	0.77	-7.57	-6.46	-0.35	2.84
91	14	134	1.20	-0.04	-1.21	-1.20	-0.06	-0.14	0.01	-4.89	-4.87	-2.02e-03	0.28
		140	0.66	0.16	0.01	0.16	0.01	-0.01	0.04	-2.72	-2.66	-0.02	0.39
		139	1.02	0.30	-0.67	-0.32	-0.05	-0.47	0.88	-3.72	-2.72	-0.12	1.90
		133	1.44	0.20	-1.30	-1.09	-8.87e-03	-0.52	0.52	-5.71	-4.92	-0.27	2.07
91	22	134	1.00	-0.02	-0.67	-0.67	-0.03	-0.07	0.02	-4.11	-4.10	-1.06e-03	0.26
		140	0.52	0.14	-0.01	0.14	-8.65e-03	0.02	0.05	-2.12	-2.05	-0.02	0.38
		139	0.91	0.17	-0.29	-0.04	-0.07	-0.23	0.99	-3.18	-2.08	-0.12	1.84
		133	1.26	0.21	-0.71	-0.50	-2.93e-03	-0.39	0.56	-4.96	-4.15	-0.25	1.95
91	25	134	0.95	-0.01	-0.54	-0.54	-0.02	-0.05	0.02	-3.90	-3.88	-1.24e-03	0.26
		140	0.48	0.13	-0.02	0.13	-0.01	0.02	0.06	-1.96	-1.88	-0.02	0.38
		139	0.90	0.16	-0.21	0.03	-0.08	-0.17	1.04	-3.08	-1.91	-0.12	1.85
		133	1.22	0.22	-0.57	-0.35	-1.41e-03	-0.36	0.59	-4.77	-3.93	-0.25	1.95
91	43	134	0.94	-0.08	-0.40	-0.32	-0.15	0.14	0.35	-3.70	-3.46	0.11	0.95
		140	0.58	1.32	-0.12	1.30	-0.09	0.19	0.57	-2.04	-1.51	0.05	1.05
		139	1.11	1.03	-0.28	0.96	-0.21	-0.29	1.75	-3.42	-1.58	-0.09	2.48
		133	1.38	0.45	-0.61	-0.01	-0.15	-0.53	1.25	-4.94	-3.54	-0.15	2.59
91	75	134	0.93	-0.08	-0.44	-0.44	-0.08	0.04	0.14	-3.77	-3.68	0.05	0.59
		140	0.51	0.70	-0.06	0.69	-0.05	0.10	0.26	-1.96	-1.71	0.01	0.70
		139	0.99	0.55	-0.22	0.47	-0.14	-0.23	1.37	-3.23	-1.75	-0.11	2.15
		133	1.29	0.31	-0.57	-0.19	-0.07	-0.44	0.89	-4.84	-3.74	-0.20	2.25
92	8	133	1.80	0.73	-3.06	-1.91	-0.43	-1.75	1.58	-6.48	-4.65	-0.25	3.37
		139	1.37	0.10	-1.30	-0.29	-0.91	-0.63	2.15	-4.21	-1.98	-0.09	3.04
		141	1.60	0.82	-2.56	0.03	-1.76	-1.43	2.37	-4.95	-2.19	-0.40	3.55
		135	1.95	1.78	-3.14	-1.38	0.02	-2.36	1.23	-7.21	-4.98	-1.00	3.72
92	16	133	1.34	0.51	-2.11	-1.31	-0.29	-1.21	1.03	-4.94	-3.71	-0.20	2.41
		139	1.01	0.08	-0.90	-0.19	-0.63	-0.44	1.46	-3.20	-1.65	-0.08	2.19
		141	1.17	0.59	-1.76	0.04	-1.22	-0.99	1.59	-3.73	-1.79	-0.34	2.56
		135	1.44	1.25	-2.17	-0.94	0.02	-1.64	0.72	-5.45	-3.94	-0.79	2.65
92	24	133	1.20	0.25	-0.87	-0.54	-0.08	-0.51	0.56	-4.69	-3.90	-0.22	1.87
		139	0.86	0.11	-0.37	-0.04	-0.23	-0.22	0.98	-2.97	-1.89	-0.11	1.76
		141	0.98	0.37	-0.74	0.15	-0.52	-0.44	1.04	-3.38	-1.97	-0.38	2.06
		135	1.25	0.62	-0.93	-0.34	0.03	-0.76	0.16	-5.05	-4.07	-0.82	2.04
92	25	133	1.17	0.19	-0.57	-0.35	-0.03	-0.34	0.47	-4.63	-3.92	-0.23	1.76
		139	0.84	0.12	-0.24	4.09e-03	-0.13	-0.17	0.88	-2.94	-1.94	-0.11	1.68
		141	0.94	0.32	-0.49	0.18	-0.35	-0.31	0.92	-3.34	-2.01	-0.40	1.97
		135	1.21	0.47	-0.63	-0.19	0.03	-0.54	0.04	-4.96	-4.07	-0.84	1.91
92	43	133	1.50	0.10	-0.33	-0.02	-0.22	-0.19	1.71	-5.17	-3.50	0.04	2.95
		139	1.21	0.93	-0.32	0.93	-0.32	-0.02	2.20	-3.51	-1.54	0.23	2.72
		141	1.34	0.95	-0.82	0.87	-0.74	-0.37	2.14	-4.10	-1.81	-0.15	3.01
		135	1.57	0.55	-0.63	0.05	-0.12	-0.58	1.27	-5.73	-3.84	-0.62	3.11
92	75	133	1.31	0.12	-0.43	-0.19	-0.12	-0.27	1.03	-4.86	-3.73	-0.10	2.33
		139	1.01	0.46	-0.23	0.44	-0.22	-0.10	1.50	-3.20	-1.75	0.05	2.17
		141	1.13	0.61	-0.63	0.51	-0.53	-0.34	1.50	-3.70	-1.92	-0.28	2.46
		135	1.37	0.50	-0.62	-0.08	-0.04	-0.56	0.61	-5.31	-3.96	-0.74	2.48
93	8	135	1.96	1.54	-2.94	-1.03	-0.37	-2.22	1.39	-7.13	-4.82	-0.92	3.79
		141	1.55	0.21	-2.93	-0.87	-1.85	-1.49	2.08	-4.96	-2.45	-0.42	3.37
		142	1.85	2.89	-5.16	2.32	-4.60	-2.06	2.80	-5.56	-1.89	-0.88	4.15
		136	1.86	3.33	-3.16	-1.16	1.33	-2.99	-0.05	-7.52	-5.48	-2.08	3.33
93	16	135	1.44	1.08	-2.02	-0.69	-0.25	-1.53	0.84	-5.39	-3.82	-0.73	2.70
		141	1.13	0.16	-2.03	-0.59	-1.28	-1.04	1.39	-3.74	-1.99	-0.36	2.43
		142	1.35	2.05	-3.58	1.66	-3.19	-1.43	1.89	-4.17	-1.55	-0.72	3.00
		136	1.37	2.33	-2.18	-0.78	0.93	-2.08	-0.25	-5.66	-4.30	-1.61	2.35

93	22	135	1.24	0.43	-0.76	-0.31	-0.02	-0.58	0.11	-5.10	-4.19	-0.80	1.97
		141	0.94	0.22	-0.67	-0.15	-0.29	-0.44	0.69	-3.48	-2.38	-0.41	1.84
		142	1.08	0.65	-1.08	0.43	-0.87	-0.58	1.04	-3.81	-1.95	-0.82	2.36
		136	1.18	0.82	-0.81	-0.29	0.30	-0.76	-0.93	-5.29	-4.55	-1.66	1.63
93	25	135	1.21	0.44	-0.53	-0.07	-9.85e-03	-0.48	0.16	-4.90	-3.96	-0.79	1.97
		141	0.92	0.17	-0.57	-0.06	-0.34	-0.35	0.74	-3.37	-2.21	-0.42	1.85
		142	1.08	1.00	-1.12	0.90	-1.02	-0.45	1.20	-3.70	-1.71	-0.80	2.40
		136	1.14	0.89	-0.66	-0.10	0.33	-0.75	-0.91	-5.09	-4.33	-1.67	1.61
93	51	135	1.55	0.24	-0.47	-0.04	-0.19	-0.35	1.52	-5.52	-3.40	-0.60	3.23
		141	1.36	0.41	-0.94	0.40	-0.93	-0.10	2.51	-3.94	-1.59	0.16	3.11
		142	1.58	1.46	-2.08	1.40	-2.02	-0.45	3.02	-4.42	-1.14	-0.25	3.69
		136	1.49	1.05	-0.56	0.08	0.41	-0.78	0.56	-5.80	-3.78	-1.46	2.96
93	83	135	1.36	0.34	-0.50	-0.06	-0.10	-0.42	0.78	-5.17	-3.69	-0.70	2.57
		141	1.12	0.22	-0.68	0.16	-0.62	-0.23	1.57	-3.63	-1.91	-0.15	2.45
		142	1.31	1.22	-1.57	1.14	-1.50	-0.45	2.07	-4.04	-1.43	-0.54	3.02
		136	1.29	0.97	-0.62	-0.02	0.37	-0.77	-0.24	-5.39	-4.07	-1.57	2.25
94	8	136	1.99	0.08	-4.36	-1.96	-2.32	-2.22	1.01	-7.53	-5.27	-1.25	3.77
		142	1.69	6.49	-2.54	3.38	0.57	-4.29	1.25	-5.69	-2.18	-2.25	3.47
		143	1.82	2.25	-9.94	-1.23	-6.47	-5.50	1.80	-5.81	-2.22	-1.79	3.80
		137	1.78	5.48	0.04	1.17	4.35	-2.21	-1.43	-7.70	-5.73	-3.40	2.91
94	16	136	1.46	0.07	-3.01	-1.33	-1.61	-1.53	0.54	-5.67	-4.14	-0.99	2.68
		142	1.23	4.56	-1.75	2.39	0.42	-3.00	0.73	-4.26	-1.77	-1.75	2.49
		143	1.31	1.59	-6.87	-0.81	-4.47	-3.82	1.14	-4.33	-1.78	-1.41	2.73
		137	1.31	3.82	0.04	0.85	3.01	-1.55	-1.30	-5.76	-4.46	-2.60	2.03
94	24	136	1.27	0.11	-1.30	-0.46	-0.73	-0.69	3.22e-03	-5.21	-4.19	-1.02	2.07
		142	0.99	2.42	-0.74	1.37	0.31	-1.49	0.17	-3.81	-1.89	-1.76	1.99
		143	1.07	0.92	-2.94	-0.15	-1.87	-1.73	0.63	-3.88	-1.87	-1.38	2.24
		137	1.12	1.87	0.04	0.62	1.28	-0.85	-1.81	-5.20	-4.41	-2.61	1.43
94	25	136	1.22	0.12	-0.88	-0.24	-0.52	-0.48	-0.12	-5.11	-4.18	-1.05	1.94
		142	0.95	1.90	-0.49	1.12	0.29	-1.12	0.03	-3.77	-1.92	-1.81	1.90
		143	1.02	0.75	-1.97	0.01	-1.23	-1.21	0.48	-3.82	-1.89	-1.46	2.14
		137	1.08	1.41	0.01	0.57	0.86	-0.68	-1.96	-5.06	-4.36	-2.65	1.29
94	42	136	1.65	-0.16	-1.10	-0.22	-1.04	-0.22	1.41	-6.01	-3.93	-0.66	3.33
		142	1.43	4.17	-1.99	2.39	-0.21	-2.80	1.40	-4.70	-1.84	-1.47	3.05
		143	1.49	2.15	-5.52	-0.10	-3.28	-3.49	1.42	-4.90	-2.23	-1.25	3.12
		137	1.48	1.70	0.76	0.79	1.66	-0.17	-0.48	-6.35	-4.65	-2.19	2.66
94	75	136	1.41	-0.04	-0.92	-0.23	-0.73	-0.36	0.58	-5.54	-4.08	-0.87	2.61
		142	1.15	2.50	-0.33	1.65	0.53	-1.30	0.67	-4.22	-1.89	-1.66	2.44
		143	1.22	0.78	-2.89	-0.03	-2.07	-1.53	0.93	-4.36	-2.08	-1.35	2.62
		137	1.26	1.44	0.38	0.65	1.18	-0.46	-1.28	-5.69	-4.52	-2.45	1.95
95	4	137	1.61	0.22	-3.50	-0.39	-2.89	-1.37	-0.25	-6.69	-5.32	-1.62	2.64
		143	2.09	8.10	-1.19	2.05	4.87	-4.43	-0.65	-8.29	-2.51	-6.43	3.28
		144	1.16	3.19	-3.98	-1.13	0.35	-3.51	-2.82	-5.30	-3.70	-4.42	1.19
		138	1.69	3.71	-0.32	2.07	1.32	-1.98	-1.44	-7.34	-5.43	-3.34	2.76
95	12	137	1.20	0.19	-2.46	-0.24	-2.03	-0.97	-0.35	-5.07	-4.18	-1.25	1.85
		143	1.52	5.72	-0.83	1.47	3.43	-3.12	-0.65	-6.14	-1.98	-4.81	2.35
		144	0.85	2.27	-2.75	-0.74	0.26	-2.46	-2.26	-3.92	-2.86	-3.31	0.80
		138	1.25	2.64	-0.25	1.48	0.91	-1.42	-1.27	-5.50	-4.25	-2.52	1.93
95	17	137	1.09	0.39	-1.05	0.17	-0.83	-0.52	-0.64	-4.76	-4.25	-1.15	1.36
		143	1.28	2.61	-0.31	0.82	1.48	-1.42	-0.95	-5.51	-2.04	-4.42	1.94
		144	0.74	1.18	-0.87	0.09	0.23	-1.02	-2.41	-3.42	-2.82	-3.01	0.50
		138	1.11	1.43	-0.35	0.82	0.26	-0.84	-1.57	-5.06	-4.27	-2.37	1.46
95	25	137	1.10	0.38	-1.04	0.17	-0.82	-0.51	-0.62	-4.79	-4.31	-1.10	1.34
		143	1.24	2.58	-0.30	0.81	1.46	-1.40	-0.93	-5.34	-2.03	-4.24	1.91
		144	0.73	1.16	-0.86	0.08	0.22	-1.01	-2.33	-3.37	-2.81	-2.88	0.52
		138	1.11	1.41	-0.34	0.81	0.25	-0.83	-1.54	-5.07	-4.32	-2.30	1.45

95	43	137	1.52	0.08	-1.50	0.07	-1.50	0.08	0.45	-6.08	-4.64	-0.99	2.71
		143	1.53	4.45	-0.04	1.31	3.10	-2.06	0.15	-5.92	-2.42	-3.35	3.00
		144	1.05	1.83	-1.18	0.01	0.64	-1.47	-0.77	-4.52	-3.16	-2.13	1.81
		138	1.60	1.74	0.31	1.50	0.54	-0.53	-0.21	-6.63	-4.80	-2.03	2.89
95	74	137	1.28	0.15	-1.24	0.12	-1.21	-0.21	-0.13	-5.36	-4.45	-1.04	1.99
		143	1.37	4.39	-0.89	1.11	2.38	-2.56	-0.46	-5.54	-2.21	-3.79	2.42
		144	0.84	1.52	-1.06	2.51e-03	0.45	-1.27	-1.58	-3.88	-2.95	-2.51	1.13
		138	1.32	1.56	0.02	1.16	0.42	-0.68	-0.90	-5.78	-4.53	-2.15	2.13
96	8	154	0.21	1.39	-0.12	1.27	7.84e-03	-0.41	0.12	-0.70	-0.53	-0.05	0.33
		26	0.26	0.84	-0.91	0.61	-0.69	0.59	0.51	-0.61	0.14	-0.25	0.53
		145	0.83	0.87	-0.71	0.41	-0.25	0.72	2.13	-1.71	0.39	0.03	1.91
		155	1.20	0.23	-0.90	0.14	-0.80	-0.31	2.56	-3.13	-0.55	-0.01	2.83
96	16	154	0.18	0.96	-0.08	0.88	5.87e-03	-0.28	0.06	-0.61	-0.52	-0.03	0.24
		26	0.19	0.58	-0.62	0.42	-0.47	0.40	0.34	-0.47	0.05	-0.19	0.39
		145	0.60	0.60	-0.49	0.28	-0.17	0.49	1.51	-1.27	0.23	5.93e-03	1.38
		155	0.87	0.16	-0.61	0.10	-0.55	-0.21	1.79	-2.35	-0.54	-0.02	2.05
96	24	154	0.20	0.40	-0.01	0.38	5.42e-03	-0.08	0.03	-0.78	-0.73	-0.02	0.19
		26	0.15	0.22	-0.19	0.17	-0.14	0.13	0.22	-0.45	-0.07	-0.16	0.33
		145	0.47	0.25	-0.19	0.12	-0.05	0.20	1.15	-1.10	0.08	-0.02	1.12
		155	0.72	0.08	-0.20	0.07	-0.20	-0.04	1.31	-2.11	-0.76	-0.04	1.67
96	25	154	0.21	0.26	5.13e-04	0.26	5.35e-03	-0.04	0.02	-0.83	-0.79	-0.02	0.19
		26	0.14	0.13	-0.09	0.11	-0.06	0.07	0.19	-0.45	-0.10	-0.16	0.32
		145	0.45	0.17	-0.11	0.08	-0.02	0.13	1.07	-1.06	0.04	-0.03	1.07
		155	0.69	0.07	-0.11	0.07	-0.11	-1.69e-03	1.20	-2.07	-0.82	-0.05	1.59
96	51	154	0.26	0.45	-0.08	0.45	-0.08	0.02	0.52	-0.73	-0.24	0.04	0.61
		26	0.35	0.53	-0.32	0.37	-0.17	0.33	1.05	-0.54	0.49	0.02	0.76
		145	0.66	0.52	-0.30	0.32	-0.10	0.35	1.92	-1.16	0.64	0.12	1.52
		155	0.85	0.13	-0.32	0.11	-0.30	-0.08	1.89	-2.17	-0.26	-0.02	2.03
96	83	154	0.21	0.35	-0.03	0.35	-0.03	-7.78e-03	0.21	-0.73	-0.53	7.06e-03	0.39
		26	0.23	0.32	-0.20	0.23	-0.11	0.19	0.60	-0.49	0.18	-0.07	0.53
		145	0.55	0.34	-0.20	0.19	-0.06	0.24	1.47	-1.11	0.33	0.04	1.28
		155	0.76	0.09	-0.21	0.09	-0.20	-0.04	1.52	-2.11	-0.55	-0.04	1.80
97	8	155	1.08	0.45	-1.14	0.29	-0.98	-0.49	2.27	-2.82	-0.57	0.02	2.53
		145	0.81	0.55	-1.72	0.14	-1.31	0.88	2.10	-1.65	0.25	0.19	1.87
		146	0.85	0.14	-1.41	-0.01	-1.26	0.46	1.72	-2.25	-0.28	-0.25	1.99
		156	1.24	-0.34	-1.88	-0.39	-1.84	-0.27	2.36	-3.49	-1.26	0.12	2.84
97	16	155	0.78	0.32	-0.78	0.21	-0.67	-0.33	1.57	-2.12	-0.54	-1.78e-03	1.83
		145	0.59	0.38	-1.18	0.10	-0.89	0.60	1.48	-1.23	0.13	0.13	1.36
		146	0.61	0.11	-0.96	6.90e-04	-0.85	0.32	1.17	-1.67	-0.26	-0.24	1.42
		156	0.90	-0.24	-1.29	-0.26	-1.26	-0.17	1.62	-2.62	-1.05	0.05	2.05
97	24	155	0.65	0.17	-0.25	0.15	-0.23	-0.09	1.13	-1.92	-0.76	-0.03	1.48
		145	0.47	0.17	-0.41	0.04	-0.28	0.25	1.15	-1.07	-3.83e-03	0.08	1.11
		146	0.47	0.11	-0.32	0.04	-0.25	0.16	0.80	-1.42	-0.34	-0.29	1.11
		156	0.74	-0.09	-0.48	-0.09	-0.48	4.00e-03	1.15	-2.33	-1.19	8.92e-03	1.64
97	25	155	0.62	0.14	-0.13	0.14	-0.12	-0.03	1.04	-1.89	-0.81	-0.04	1.41
		145	0.44	0.12	-0.23	0.02	-0.13	0.16	1.07	-1.05	-0.04	0.06	1.05
		146	0.44	0.12	-0.17	0.05	-0.10	0.12	0.69	-1.38	-0.37	-0.33	1.03
		156	0.71	-0.04	-0.30	-0.05	-0.29	0.05	1.04	-2.29	-1.24	-0.01	1.55
97	51	155	0.93	0.18	-0.47	0.13	-0.42	0.17	2.24	-2.19	-0.20	0.25	2.20
		145	0.77	0.66	-0.71	0.30	-0.35	0.60	2.36	-1.18	0.63	0.56	1.77
		146	0.77	0.34	-0.67	0.13	-0.46	0.41	1.94	-1.71	0.15	0.08	1.82
		156	1.02	-0.05	-0.75	-0.07	-0.74	0.11	2.13	-2.77	-0.79	0.16	2.40
97	83	155	0.76	0.14	-0.27	0.13	-0.26	0.07	1.60	-2.03	-0.52	0.10	1.79
		145	0.60	0.38	-0.46	0.15	-0.23	0.37	1.68	-1.11	0.28	0.30	1.40
		146	0.60	0.23	-0.41	0.09	-0.27	0.26	1.28	-1.54	-0.12	-0.13	1.41
		156	0.85	-0.05	-0.51	-0.06	-0.50	0.08	1.55	-2.51	-1.03	0.07	1.96

98	8	156	1.20	0.11	-2.64	-0.64	-1.89	-1.23	2.31	-3.22	-0.88	-0.03	2.73
		146	0.93	1.26	-2.72	0.77	-2.23	1.31	1.88	-2.35	-0.32	-0.16	2.12
		147	0.63	-0.41	-4.44	-1.75	-3.10	-1.90	9.22e-03	-2.53	-0.77	-1.75	1.17
		77	1.46	-0.60	-2.17	-1.23	-1.53	0.77	2.65	-4.20	-3.05	1.50	2.56
98	13	156	0.67	1.26	-0.14	1.24	-0.12	0.17	1.16	-2.04	-0.62	-0.27	1.59
		146	0.56	0.36	-1.51	-0.85	-0.29	0.89	0.74	-1.74	-0.50	-0.50	1.24
		147	0.46	0.76	0.33	0.48	0.61	0.20	-0.60	-2.10	-0.66	-2.05	0.28
		77	1.08	-2.81e-03	-2.79	-1.94	-0.85	1.28	1.31	-3.47	-2.88	0.72	1.57
98	21	156	0.66	0.47	-0.21	0.46	-0.20	-0.07	1.01	-2.06	-0.90	-0.15	1.49
		146	0.50	0.17	-0.67	-0.23	-0.27	0.42	0.81	-1.48	-0.39	-0.29	1.14
		147	0.35	0.15	-0.06	0.08	7.98e-03	-0.10	-0.53	-1.64	-0.67	-1.51	0.36
		77	0.94	-0.11	-1.23	-0.85	-0.50	0.53	1.45	-2.93	-2.48	1.00	1.32
98	25	156	0.66	0.29	-0.26	0.25	-0.23	-0.14	0.98	-2.10	-0.99	-0.13	1.48
		146	0.48	0.15	-0.48	-0.06	-0.27	0.30	0.81	-1.44	-0.37	-0.26	1.12
		147	0.34	0.10	-0.30	-0.03	-0.16	-0.19	-0.54	-1.58	-0.69	-1.43	0.37
		77	0.92	-0.14	-0.83	-0.57	-0.40	0.34	1.46	-2.85	-2.43	1.04	1.27
98	43	156	1.03	0.13	-0.65	0.13	-0.65	0.02	2.69	-2.23	-0.42	0.88	2.37
		146	0.82	0.72	-1.24	0.44	-0.96	0.68	2.38	-1.45	0.23	0.70	1.90
		147	0.50	-0.42	-1.37	-0.62	-1.16	-0.39	0.75	-1.58	-0.30	-0.52	1.16
		77	1.22	-0.06	-1.43	-0.73	-0.75	0.69	2.74	-3.03	-2.07	1.78	2.15
98	75	156	0.83	0.20	-0.44	0.19	-0.43	-0.07	1.80	-2.16	-0.72	0.35	1.91
		146	0.64	0.41	-0.83	0.18	-0.60	0.48	1.56	-1.44	-0.08	0.20	1.49
		147	0.38	-0.15	-0.81	-0.31	-0.64	-0.28	0.03	-1.54	-0.51	-1.00	0.75
		77	1.05	-0.10	-1.11	-0.65	-0.57	0.50	2.05	-2.92	-2.26	1.39	1.69
99	5	77	1.54	1.65	-2.76	-0.80	-0.30	-2.19	4.92	-1.99	3.97	-1.04	2.38
		147	0.44	1.39	-2.35	-0.27	-0.69	1.86	-1.40	-2.01	-1.91	-1.49	-0.22
		148	4.40	1.79	-2.15	-0.46	0.10	-1.95	0.83	-17.78	0.45	-17.40	2.65
		18	8.14	1.53	-4.05	-1.02	-1.50	2.78	16.14	-22.71	-22.24	15.67	-4.25
99	13	77	1.10	1.17	-1.96	-0.54	-0.24	-1.56	3.43	-1.56	2.66	-0.80	1.80
		147	0.33	0.96	-1.68	-0.22	-0.50	1.31	-0.95	-1.52	-1.39	-1.08	-0.24
		148	3.27	1.31	-1.54	-0.30	0.07	-1.41	0.57	-13.25	0.28	-12.95	2.00
		18	6.02	1.08	-2.92	-0.72	-1.12	1.99	12.06	-16.66	-16.25	11.66	-3.38
99	17	77	1.07	0.58	-0.98	-0.08	-0.32	-0.77	2.35	-2.66	0.26	-0.57	2.47
		147	0.39	0.27	-0.82	-0.28	-0.27	0.55	0.60	-1.17	-0.47	-0.10	-0.87
		148	3.19	0.93	-0.84	0.04	0.06	-0.89	0.56	-12.94	-0.02	-12.36	2.74
		18	5.46	0.45	-1.70	-0.31	-0.94	1.03	13.85	-12.28	-10.96	12.53	-5.72
99	25	77	1.05	0.57	-0.96	-0.08	-0.31	-0.76	2.35	-2.58	0.31	-0.54	2.43
		147	0.37	0.27	-0.81	-0.27	-0.27	0.54	0.63	-1.07	-0.43	-9.08e-03	-0.82
		148	3.11	0.92	-0.83	0.04	0.06	-0.88	0.54	-12.61	-0.04	-12.04	2.70
		18	5.38	0.45	-1.68	-0.30	-0.93	1.01	13.83	-11.92	-10.64	12.55	-5.58
99	43	77	1.62	0.76	-1.73	-3.12e-03	-0.96	-1.15	6.14	-0.77	1.30	4.06	3.17
		147	0.20	0.33	-1.91	-0.95	-0.63	1.11	0.34	-0.43	-0.28	0.18	0.31
		148	2.70	1.65	-1.55	0.27	-0.18	-1.59	0.68	-10.88	0.43	-10.63	1.68
		18	5.75	0.58	-3.33	-0.71	-2.03	1.84	16.77	-10.38	-9.15	15.54	-5.64
99	83	77	1.22	0.39	-1.20	-0.13	-0.68	-0.75	4.04	-1.53	0.99	1.52	2.77
		147	0.15	0.15	-1.32	-0.77	-0.40	0.71	-0.05	-0.62	-0.49	-0.18	-0.24
		148	2.89	1.13	-1.10	0.06	-0.04	-1.12	0.26	-11.88	-0.10	-11.52	2.05
		18	5.55	0.31	-2.36	-0.56	-1.49	1.25	14.76	-11.71	-10.62	13.67	-5.26
100	5	18	13.83	1.74	-1.37	-0.81	1.19	-1.19	-7.28	-60.79	-29.61	-38.46	-26.39
		148	5.17	0.04	-0.61	-0.56	-0.01	0.17	17.93	-5.90	0.91	11.13	10.76
		24	3.58	1.60	-1.85	0.02	-0.27	-1.72	-4.93	-16.58	-10.25	-11.26	-5.80
		107	4.05	2.01	-1.73	-0.95	1.23	1.52	8.01	-11.35	6.55	-9.89	5.11
100	13	18	10.18	1.24	-0.86	-0.53	0.91	-0.76	-5.42	-44.79	-21.69	-28.52	-19.39
		148	3.79	-6.94e-03	-0.39	-0.39	-0.01	0.04	13.16	-4.34	0.61	8.21	7.88
		24	2.64	1.13	-1.24	0.06	-0.17	-1.18	-3.65	-12.23	-7.56	-8.32	-4.28
		107	2.95	1.42	-1.16	-0.65	0.91	1.03	5.66	-8.42	4.60	-7.36	3.71

100	21	18	8.67	0.97	-0.06	-0.06	0.97	-9.14e-03	-4.28	-38.05	-16.52	-25.81	-16.23
		148	3.40	0.28	-0.51	-0.16	-0.07	-0.39	11.93	-3.64	0.29	8.00	6.76
		24	2.17	0.62	-0.30	0.28	0.03	-0.44	-3.12	-10.14	-6.29	-6.97	-3.49
		107	2.41	0.78	-0.35	-0.26	0.70	0.30	3.75	-7.59	2.80	-6.64	3.14
100	25	18	8.41	1.02	0.03	0.06	0.98	0.18	-4.13	-36.87	-15.46	-25.54	-15.57
		148	3.32	0.42	-0.60	-0.11	-0.07	-0.51	11.69	-3.51	0.22	7.96	6.54
		24	2.07	0.51	-0.08	0.35	0.08	-0.27	-3.08	-9.74	-6.05	-6.77	-3.31
		107	2.30	0.68	-0.19	-0.18	0.66	0.12	3.26	-7.50	2.33	-6.57	3.03
100	54	18	8.44	0.10	-1.24	-0.49	-0.65	-0.66	-2.76	-36.37	-15.52	-23.60	-16.31
		148	3.86	0.05	-0.48	-0.05	-0.37	0.21	12.96	-5.02	-0.21	8.16	7.96
		24	2.58	0.09	-1.10	-0.71	-0.30	-0.56	-3.17	-11.89	-6.92	-8.13	-4.32
		107	1.70	-0.23	-0.73	-0.29	-0.66	0.16	4.35	-3.79	3.40	-2.84	2.61
100	86	18	8.43	0.29	-0.33	-0.22	0.18	-0.24	-3.49	-36.72	-15.51	-24.70	-15.97
		148	3.58	6.08e-03	-0.31	-0.08	-0.22	-0.14	12.33	-4.23	0.02	8.09	7.23
		24	2.32	0.27	-0.55	-0.17	-0.10	-0.41	-3.13	-10.78	-6.48	-7.43	-3.80
		107	2.00	0.07	-0.30	-0.22	-4.90e-04	0.15	3.79	-5.75	2.85	-4.81	2.84
101	8	25	0.30	1.00	-0.97	0.78	-0.75	-0.63	0.42	-0.85	-0.12	-0.32	-0.63
		149	0.44	1.53	-0.13	1.38	0.01	0.47	0.03	-1.71	-1.61	-0.07	-0.40
		150	1.44	0.25	-1.02	0.09	-0.87	0.42	2.66	-4.13	-1.57	0.10	-3.29
		27	0.96	0.90	-0.77	0.44	-0.31	-0.74	2.43	-2.07	0.20	0.17	-2.25
101	16	25	0.21	0.69	-0.66	0.53	-0.51	-0.43	0.29	-0.63	-0.12	-0.23	-0.46
		149	0.34	1.05	-0.09	0.95	8.42e-03	0.32	0.02	-1.30	-1.23	-0.05	-0.29
		150	1.04	0.17	-0.70	0.07	-0.59	0.28	1.88	-3.03	-1.21	0.06	-2.37
		27	0.69	0.62	-0.52	0.31	-0.21	-0.51	1.72	-1.51	0.11	0.10	-1.62
101	24	25	0.18	0.27	-0.22	0.23	-0.17	-0.14	0.20	-0.62	-0.21	-0.21	-0.41
		149	0.36	0.43	-0.02	0.41	5.87e-03	0.11	6.61e-03	-1.45	-1.40	-0.04	-0.25
		150	0.92	0.09	-0.24	0.07	-0.22	0.08	1.49	-2.82	-1.38	0.05	-2.04
		27	0.59	0.27	-0.20	0.14	-0.07	-0.21	1.44	-1.36	-4.36e-03	0.09	-1.40
101	25	25	0.18	0.17	-0.10	0.15	-0.08	-0.07	0.18	-0.62	-0.23	-0.21	-0.40
		149	0.36	0.28	-5.72e-03	0.27	5.25e-03	0.06	4.59e-03	-1.48	-1.44	-0.04	-0.24
		150	0.89	0.08	-0.13	0.07	-0.12	0.04	1.41	-2.79	-1.42	0.04	-1.97
		27	0.57	0.18	-0.12	0.10	-0.04	-0.13	1.37	-1.33	-0.04	0.08	-1.35
101	42	25	0.38	0.50	-0.36	0.34	-0.21	-0.33	1.03	-0.72	0.33	-0.02	-0.86
		149	0.37	0.41	-0.08	0.41	-0.08	0.05	0.40	-1.27	-0.91	0.04	-0.69
		150	1.04	0.13	-0.36	0.07	-0.30	0.16	2.07	-2.86	-0.88	0.09	-2.42
		27	0.78	0.49	-0.32	0.30	-0.12	-0.35	2.21	-1.43	0.54	0.24	-1.82
101	74	25	0.27	0.32	-0.23	0.24	-0.14	-0.20	0.58	-0.66	0.04	-0.12	-0.62
		149	0.35	0.34	-0.04	0.33	-0.03	0.05	0.15	-1.35	-1.19	6.45e-04	-0.46
		150	0.96	0.10	-0.24	0.07	-0.21	0.09	1.72	-2.82	-1.17	0.06	-2.18
		27	0.66	0.33	-0.21	0.19	-0.08	-0.24	1.77	-1.38	0.24	0.15	-1.57
102	8	27	0.94	0.61	-1.81	0.22	-1.42	-0.89	2.40	-2.00	0.04	0.36	-2.19
		150	1.30	0.46	-1.37	0.19	-1.10	0.64	2.31	-3.77	-1.59	0.13	-2.92
		151	1.50	-0.30	-2.14	-0.44	-2.01	0.48	2.79	-4.27	-2.20	0.72	-3.21
		30	0.97	0.05	-1.62	-0.05	-1.51	-0.41	2.16	-2.44	-0.53	0.25	-2.27
102	16	27	0.68	0.42	-1.24	0.15	-0.97	-0.62	1.71	-1.47	-6.57e-03	0.25	-1.58
		150	0.94	0.32	-0.93	0.14	-0.75	0.44	1.63	-2.77	-1.22	0.08	-2.10
		151	1.08	-0.21	-1.47	-0.29	-1.38	0.32	1.95	-3.14	-1.67	0.48	-2.31
		30	0.69	0.05	-1.11	-0.03	-1.03	-0.28	1.49	-1.79	-0.42	0.12	-1.62
102	24	27	0.58	0.19	-0.44	0.07	-0.32	-0.25	1.44	-1.33	-0.10	0.21	-1.37
		150	0.83	0.18	-0.32	0.13	-0.28	0.15	1.28	-2.60	-1.38	0.06	-1.80
		151	0.95	-0.07	-0.54	-0.08	-0.53	0.07	1.61	-2.89	-1.75	0.47	-1.96
		30	0.58	0.09	-0.40	0.04	-0.35	-0.14	1.21	-1.56	-0.46	0.11	-1.36
102	25	27	0.56	0.13	-0.25	0.05	-0.17	-0.15	1.37	-1.30	-0.13	0.20	-1.33
		150	0.81	0.14	-0.18	0.12	-0.16	0.08	1.20	-2.58	-1.42	0.05	-1.74
		151	0.93	-0.03	-0.32	-0.03	-0.32	5.93e-03	1.53	-2.86	-1.79	0.46	-1.88
		30	0.56	0.10	-0.22	0.06	-0.18	-0.11	1.12	-1.53	-0.48	0.08	-1.30

102	42	27	0.90	0.61	-0.73	0.29	-0.41	-0.58	2.70	-1.45	0.52	0.73	-2.07
		150	1.10	0.05	-0.48	0.05	-0.48	-0.05	2.43	-2.84	-0.82	0.40	-2.57
		151	1.23	-0.06	-0.78	-0.06	-0.78	0.03	2.60	-3.29	-1.37	0.68	-2.76
		30	0.89	0.31	-0.71	0.16	-0.56	-0.36	2.36	-1.86	-0.01	0.51	-2.09
102	74	27	0.72	0.36	-0.48	0.16	-0.28	-0.36	2.00	-1.37	0.18	0.45	-1.68
		150	0.94	0.09	-0.31	0.09	-0.31	0.02	1.78	-2.70	-1.14	0.22	-2.13
		151	1.07	-0.04	-0.54	-0.04	-0.54	0.02	2.03	-3.05	-1.59	0.56	-2.30
		30	0.71	0.20	-0.46	0.11	-0.36	-0.23	1.71	-1.68	-0.26	0.28	-1.67
103	6	30	0.93	0.53	-2.03	-1.01	-0.50	-1.25	1.72	-2.51	-0.75	-0.04	-2.09
		151	1.17	1.74	-0.26	1.73	-0.25	-0.12	2.17	-3.37	-1.46	0.26	-2.63
		152	1.92	0.09	-3.81	-2.61	-1.11	-1.80	3.63	-5.29	-4.56	2.90	-2.45
		32	0.46	0.70	0.44	0.58	0.57	-0.13	-0.76	-2.15	-1.05	-1.86	-0.56
103	14	30	0.67	0.37	-1.41	-0.66	-0.38	-0.87	1.21	-1.85	-0.57	-0.07	-1.51
		151	0.86	1.18	-0.20	1.18	-0.20	-0.06	1.52	-2.52	-1.15	0.16	-1.91
		152	1.40	0.05	-2.63	-1.80	-0.79	-1.24	2.58	-3.91	-3.40	2.06	-1.76
		32	0.34	0.40	0.30	0.37	0.33	-0.05	-0.62	-1.60	-0.80	-1.42	-0.39
103	22	30	0.62	0.22	-0.66	-0.09	-0.35	-0.42	1.29	-1.60	-0.46	0.15	-1.42
		151	0.86	0.42	-0.32	0.37	-0.28	0.18	1.42	-2.59	-1.44	0.27	-1.81
		152	1.29	-0.08	-1.11	-0.74	-0.44	-0.49	2.74	-3.39	-2.98	2.34	-1.52
		32	0.29	0.12	-0.41	-0.04	-0.25	0.24	-0.35	-1.31	-0.81	-0.86	-0.48
103	25	30	0.60	0.23	-0.51	0.06	-0.35	-0.31	1.30	-1.56	-0.45	0.18	-1.40
		151	0.86	0.27	-0.40	0.17	-0.30	0.24	1.40	-2.64	-1.52	0.29	-1.81
		152	1.27	-0.11	-0.73	-0.48	-0.36	-0.31	2.76	-3.32	-2.94	2.38	-1.47
		32	0.29	0.07	-0.62	-0.14	-0.40	0.32	-0.32	-1.30	-0.83	-0.79	-0.49
103	50	30	0.96	0.82	-1.27	0.60	-1.04	-0.65	2.88	-1.59	0.12	1.17	-2.17
		151	1.24	0.01	-0.76	-3.38e-03	-0.75	0.10	3.20	-2.73	-0.96	1.44	-2.71
		152	1.57	-0.04	-1.17	-0.54	-0.67	-0.56	4.06	-3.43	-2.62	3.25	-2.33
		32	0.56	-0.45	-1.78	-0.75	-1.48	0.56	1.12	-1.45	-0.49	0.15	-1.24
103	82	30	0.77	0.50	-0.87	0.32	-0.68	-0.47	2.05	-1.57	-0.18	0.65	-1.77
		151	1.04	0.13	-0.57	0.08	-0.52	0.18	2.26	-2.68	-1.26	0.83	-2.24
		152	1.41	-0.08	-0.93	-0.50	-0.50	-0.42	3.36	-3.36	-2.79	2.79	-1.88
		32	0.39	-0.17	-1.19	-0.43	-0.93	0.44	0.36	-1.37	-0.67	-0.34	-0.85
104	2	32	0.75	1.03	-2.04	-0.45	-0.56	-1.54	1.29	-2.09	-1.23	0.43	1.47
		152	1.82	1.46	-2.30	-0.28	-0.56	1.87	4.95	-3.47	1.62	-0.14	-4.12
		17	10.63	1.31	-3.73	-0.98	-1.44	-2.51	26.51	-24.43	-22.47	24.54	9.80
		34	5.62	1.76	-2.04	-0.12	-0.16	1.90	1.08	-22.78	0.15	-21.85	-4.61
104	10	32	0.56	0.73	-1.47	-0.34	-0.41	-1.10	0.93	-1.56	-0.91	0.27	1.10
		152	1.32	1.04	-1.65	-0.19	-0.42	1.34	3.53	-2.59	1.10	-0.15	-2.99
		17	7.77	0.94	-2.71	-0.70	-1.07	-1.81	19.36	-17.87	-16.41	17.91	7.22
		34	4.12	1.29	-1.48	-0.07	-0.12	1.39	0.76	-16.69	0.08	-16.02	-3.35
104	17	32	0.63	0.31	-0.96	-0.38	-0.27	-0.63	1.93	-0.98	-0.24	1.19	1.27
		152	1.39	0.69	-1.07	0.07	-0.45	0.84	3.26	-3.27	-0.12	0.10	-3.26
		17	7.27	0.53	-1.92	-0.45	-0.94	-1.20	20.49	-14.18	-12.20	18.51	8.05
		34	3.79	1.05	-1.05	0.12	-0.12	1.04	0.70	-15.37	-0.17	-14.50	-3.64
104	25	32	0.62	0.31	-0.95	-0.37	-0.26	-0.63	1.96	-0.87	-0.20	1.29	1.20
		152	1.37	0.68	-1.06	0.07	-0.45	0.83	3.27	-3.18	-0.05	0.14	-3.22
		17	7.19	0.52	-1.90	-0.44	-0.93	-1.19	20.47	-13.78	-11.86	18.55	7.87
		34	3.70	1.04	-1.04	0.12	-0.12	1.03	0.67	-15.01	-0.20	-14.14	-3.59
104	50	32	0.39	0.34	-2.01	-1.03	-0.64	-1.16	1.53	-0.10	-0.09	1.52	0.10
		152	2.03	0.81	-1.80	0.16	-1.15	1.13	7.45	-1.45	0.99	5.01	-3.97
		17	7.69	0.61	-3.47	-0.83	-2.03	-1.95	23.66	-12.51	-10.65	21.80	7.99
		34	3.19	1.74	-1.80	0.37	-0.43	1.72	0.26	-13.14	-0.18	-12.70	-2.40
104	82	32	0.48	0.32	-1.46	-0.69	-0.44	-0.88	1.66	-0.40	-0.15	1.41	0.68
		152	1.62	0.74	-1.41	0.12	-0.79	0.97	5.16	-2.27	0.44	2.46	-3.58
		17	7.42	0.56	-2.65	-0.63	-1.45	-1.55	21.99	-13.16	-11.27	20.09	7.93
		34	3.45	1.38	-1.41	0.24	-0.27	1.37	0.47	-14.10	-0.19	-13.44	-3.03

105	6	34	6.65	0.27	-0.64	-0.64	0.27	-0.01	23.80	-6.60	0.74	16.46	-13.01
		17	16.71	1.71	-1.22	-0.65	1.13	1.16	-6.73	-72.64	-33.31	-46.06	32.33
		153	4.52	2.29	-1.94	-1.14	1.49	-1.66	8.97	-12.66	7.22	-10.91	-5.90
		23	4.21	1.78	-1.89	0.18	-0.29	1.82	-4.71	-19.24	-12.18	-11.77	7.26
105	14	34	4.84	0.20	-0.45	-0.45	0.19	0.07	17.30	-4.82	0.51	11.97	-9.46
		17	12.20	1.21	-0.76	-0.42	0.87	0.74	-5.00	-53.08	-24.24	-33.84	23.56
		153	3.28	1.62	-1.32	-0.79	1.09	-1.13	6.36	-9.32	5.09	-8.06	-4.27
		23	3.08	1.25	-1.27	0.17	-0.19	1.25	-3.48	-14.08	-8.89	-8.66	5.30
105	22	34	4.46	0.49	-0.59	-0.23	0.13	0.50	16.08	-4.18	0.17	11.73	-8.32
		17	10.67	0.93	0.04	0.04	0.93	-0.02	-3.77	-46.17	-19.02	-30.91	20.35
		153	2.74	0.99	-0.53	-0.42	0.88	-0.40	4.48	-8.46	3.32	-7.30	-3.69
		23	2.60	0.76	-0.36	0.39	0.02	0.53	-2.92	-11.95	-7.61	-7.26	4.51
105	25	34	4.39	0.61	-0.67	-0.18	0.12	0.62	15.85	-4.06	0.11	11.68	-8.10
		17	10.41	1.00	0.10	0.15	0.95	-0.21	-3.64	-45.02	-17.99	-30.67	19.70
		153	2.64	0.87	-0.37	-0.33	0.84	-0.22	3.99	-8.37	2.85	-7.23	-3.58
		23	2.50	0.65	-0.14	0.44	0.07	0.35	-2.89	-11.55	-7.37	-7.07	4.33
105	26	34	4.18	1.38	-2.05	-0.61	-0.06	1.69	14.44	-4.64	-0.80	10.60	-7.65
		17	11.10	2.59	-0.73	0.26	1.59	-1.52	-4.99	-48.32	-20.77	-32.54	20.85
		153	3.16	1.41	-0.94	-0.55	1.03	0.87	3.67	-10.77	2.82	-9.92	-3.39
		23	2.52	0.86	-0.07	0.59	0.20	-0.42	-3.34	-11.71	-7.64	-7.41	4.18
105	58	34	4.29	0.98	-1.34	-0.39	0.03	1.14	15.17	-4.35	-0.33	11.16	-7.89
		17	10.75	1.73	-0.26	0.20	1.26	-0.84	-4.29	-46.62	-19.34	-31.57	20.26
		153	2.88	0.99	-0.50	-0.44	0.92	0.31	3.83	-9.51	2.84	-8.53	-3.49
		23	2.51	0.52	0.13	0.51	0.13	-0.03	-3.11	-11.64	-7.51	-7.24	4.26
106	8	140	0.47	0.69	-0.41	0.40	-0.12	-0.48	0.04	-1.89	-1.78	-0.06	0.44
		154	0.26	1.31	-0.46	1.21	-0.36	0.40	0.28	-0.92	-0.52	-0.12	0.57
		155	1.15	0.26	-0.53	0.24	-0.51	0.11	2.52	-3.00	-0.50	0.01	2.75
		139	1.49	0.75	-1.57	-0.12	-0.70	-1.12	2.50	-4.41	-1.79	-0.11	3.35
106	16	140	0.39	0.48	-0.27	0.29	-0.08	-0.33	0.02	-1.57	-1.50	-0.04	0.32
		154	0.21	0.90	-0.31	0.84	-0.24	0.27	0.17	-0.76	-0.50	-0.09	0.41
		155	0.84	0.18	-0.36	0.17	-0.35	0.08	1.75	-2.26	-0.49	-6.25e-03	1.99
		139	1.09	0.52	-1.08	-0.07	-0.48	-0.77	1.72	-3.33	-1.51	-0.10	2.42
106	24	140	0.44	0.21	-0.07	0.16	-0.02	-0.10	8.78e-03	-1.80	-1.76	-0.03	0.26
		154	0.22	0.38	-0.09	0.36	-0.07	0.09	0.07	-0.87	-0.72	-0.07	0.34
		155	0.69	0.12	-0.14	0.11	-0.14	0.04	1.28	-2.03	-0.72	-0.03	1.62
		139	0.92	0.23	-0.42	2.59e-03	-0.19	-0.31	1.18	-3.06	-1.77	-0.11	1.95
106	25	140	0.45	0.14	-0.02	0.13	-2.24e-03	-0.05	7.17e-03	-1.85	-1.81	-0.03	0.25
		154	0.23	0.25	-0.03	0.25	-0.03	0.04	0.06	-0.91	-0.78	-0.07	0.33
		155	0.67	0.10	-0.09	0.09	-0.08	0.03	1.18	-1.99	-0.78	-0.03	1.54
		139	0.89	0.16	-0.25	0.02	-0.11	-0.20	1.07	-3.02	-1.83	-0.12	1.86
106	43	140	0.45	0.57	-0.10	0.57	-0.10	0.02	0.46	-1.57	-1.20	0.09	0.78
		154	0.37	1.03	-0.12	0.99	-0.07	0.21	0.81	-0.94	-0.16	0.03	0.87
		155	0.85	0.66	-0.23	0.65	-0.22	0.09	1.98	-2.11	-0.17	0.04	2.04
		139	1.04	0.53	-0.47	0.37	-0.31	-0.37	1.80	-3.05	-1.22	-0.03	2.35
106	75	140	0.43	0.34	-0.05	0.34	-0.05	-0.02	0.18	-1.67	-1.52	0.03	0.50
		154	0.27	0.62	-0.07	0.60	-0.05	0.12	0.38	-0.88	-0.49	-0.02	0.59
		155	0.75	0.36	-0.16	0.36	-0.15	0.06	1.55	-2.04	-0.49	2.21e-03	1.78
		139	0.95	0.33	-0.35	0.19	-0.21	-0.28	1.41	-3.03	-1.54	-0.08	2.09
107	8	139	1.36	0.84	-1.83	-0.07	-0.92	-1.27	2.20	-4.06	-1.81	-0.05	3.00
		155	1.07	0.20	-1.33	0.15	-1.28	0.27	2.28	-2.84	-0.60	0.04	2.54
		156	1.26	-0.16	-1.61	-0.16	-1.61	-0.03	2.54	-3.46	-1.06	0.14	2.94
		141	1.59	0.32	-2.72	-0.28	-2.12	-1.21	2.33	-4.97	-2.31	-0.33	3.51
107	16	139	1.00	0.59	-1.25	-0.04	-0.63	-0.87	1.50	-3.08	-1.53	-0.05	2.17
		155	0.78	0.14	-0.91	0.11	-0.88	0.18	1.58	-2.14	-0.57	0.01	1.84
		156	0.91	-0.09	-1.10	-0.09	-1.10	-0.01	1.75	-2.59	-0.91	0.06	2.12
		141	1.16	0.23	-1.88	-0.18	-1.47	-0.83	1.57	-3.74	-1.89	-0.29	2.53

107	24	139	0.85	0.28	-0.45	0.06	-0.23	-0.34	1.01	-2.86	-1.78	-0.08	1.74
		155	0.65	0.07	-0.32	0.06	-0.31	0.07	1.14	-1.94	-0.78	-0.02	1.49
		156	0.75	0.08	-0.42	0.07	-0.42	0.05	1.27	-2.30	-1.05	0.02	1.70
		141	0.98	0.15	-0.77	3.64e-03	-0.63	-0.33	1.02	-3.41	-2.07	-0.32	2.04
107	25	139	0.82	0.21	-0.25	0.08	-0.13	-0.21	0.91	-2.83	-1.83	-0.09	1.66
		155	0.62	0.05	-0.18	0.04	-0.17	0.05	1.04	-1.91	-0.84	-0.03	1.42
		156	0.72	0.13	-0.26	0.12	-0.25	0.06	1.16	-2.26	-1.11	-1.02e-03	1.62
		141	0.94	0.13	-0.50	0.05	-0.42	-0.21	0.91	-3.37	-2.11	-0.35	1.95
107	51	139	1.12	0.13	-0.46	0.13	-0.45	-0.06	2.30	-3.06	-1.01	0.25	2.60
		155	0.97	0.68	-0.64	0.48	-0.43	0.47	2.44	-2.17	-0.04	0.30	2.30
		156	1.05	0.34	-0.74	0.27	-0.66	0.28	2.38	-2.64	-0.46	0.21	2.49
		141	1.25	0.14	-0.97	0.10	-0.94	-0.19	2.18	-3.71	-1.44	-0.09	2.87
107	75	139	0.96	0.30	-0.30	0.25	-0.24	-0.18	1.54	-2.95	-1.51	0.10	2.09
		155	0.78	0.36	-0.34	0.31	-0.30	0.17	1.67	-2.04	-0.52	0.15	1.82
		156	0.87	0.28	-0.46	0.25	-0.44	0.13	1.70	-2.44	-0.86	0.12	2.01
		141	1.08	0.20	-0.71	0.15	-0.65	-0.22	1.48	-3.54	-1.86	-0.19	2.37
108	5	49	7.34	0.85	-2.19	-2.16	0.82	-0.31	3.30	-28.56	-27.52	2.26	-5.67
		55	8.37	-1.03	-1.39	-1.10	-1.32	-0.15	-0.45	-35.08	-30.77	-4.76	11.43
		162	6.64	0.44	-1.75	-0.92	-0.39	1.06	-0.15	-27.62	-25.50	-2.28	7.34
108	13	49	5.35	0.61	-1.61	-1.59	0.59	-0.21	2.31	-20.88	-20.14	1.57	-4.08
		55	6.06	-0.70	-1.02	-0.77	-0.95	-0.13	-0.29	-25.37	-22.27	-3.40	8.26
		162	4.81	0.33	-1.24	-0.64	-0.28	0.76	-0.05	-19.96	-18.45	-1.56	5.28
108	21	49	5.10	0.44	-0.99	-0.98	0.43	-0.11	2.23	-19.95	-19.24	1.52	-3.89
		55	5.79	0.03	-0.88	-0.14	-0.71	-0.36	-0.29	-24.22	-21.25	-3.25	7.88
		162	4.57	0.54	-0.69	-0.02	-0.13	0.61	-0.07	-19.06	-17.61	-1.52	5.04
108	25	49	5.02	0.40	-0.87	-0.86	0.40	-0.09	2.20	-19.65	-18.95	1.50	-3.84
		55	5.72	0.19	-0.86	-5.63e-03	-0.66	-0.41	-0.28	-23.91	-20.98	-3.21	7.78
		162	4.51	0.60	-0.58	0.12	-0.10	0.58	-0.07	-18.82	-17.39	-1.50	4.97
108	35	49	5.46	0.63	0.39	0.45	0.56	-0.10	2.34	-21.49	-20.88	1.73	-3.75
		55	6.14	1.48	-0.69	1.30	-0.51	-0.60	-0.22	-25.54	-22.83	-2.94	7.84
		162	4.96	1.56	-0.13	1.42	0.01	0.47	0.09	-20.56	-19.24	-1.23	5.03
108	67	49	5.23	0.49	-0.24	-0.23	0.47	-0.09	2.26	-20.54	-19.89	1.61	-3.80
		55	5.92	0.80	-0.77	0.62	-0.58	-0.50	-0.26	-24.70	-21.88	-3.08	7.81
		162	4.72	1.00	-0.30	0.74	-0.05	0.52	6.36e-04	-19.66	-18.29	-1.37	5.00
109	5	55	6.02	-0.20	-4.94	-4.47	-0.66	1.41	1.71	-23.85	-14.58	-7.55	12.29
		61	5.94	0.65	-3.11	-1.34	-1.12	1.88	0.54	-24.20	-18.48	-5.17	10.43
		63	5.53	0.44	-1.43	-0.82	-0.18	0.88	-1.27	-23.50	-18.74	-6.03	9.12
		162	6.85	-1.02	-4.08	-3.55	-1.55	1.16	-0.09	-28.28	-21.12	-7.24	12.26
109	13	55	4.37	-0.14	-3.58	-3.24	-0.49	1.03	1.27	-17.28	-10.59	-5.42	8.91
		61	4.32	0.46	-2.22	-0.96	-0.80	1.34	0.39	-17.64	-13.56	-3.69	7.54
		63	4.03	0.33	-1.03	-0.60	-0.11	0.64	-0.95	-17.17	-13.79	-4.33	6.58
		162	4.97	-0.75	-2.95	-2.57	-1.13	0.83	-0.01	-20.50	-15.36	-5.15	8.88
109	21	55	4.16	-0.12	-2.92	-2.62	-0.42	0.86	1.20	-16.48	-10.10	-5.19	8.49
		61	4.08	0.33	-1.62	-0.74	-0.54	0.97	0.39	-16.65	-12.80	-3.46	7.13
		63	3.81	0.30	-0.72	-0.46	0.05	0.44	-0.85	-16.21	-13.01	-4.04	6.23
		162	4.73	-0.65	-2.38	-2.07	-0.95	0.66	-0.04	-19.56	-14.65	-4.95	8.47
109	25	55	4.10	-0.12	-2.78	-2.49	-0.41	0.83	1.18	-16.27	-9.97	-5.12	8.38
		61	4.03	0.30	-1.48	-0.69	-0.48	0.88	0.38	-16.47	-12.66	-3.43	7.05
		63	3.77	0.31	-0.66	-0.44	0.09	0.40	-0.85	-16.03	-12.88	-4.01	6.16
		162	4.67	-0.62	-2.25	-1.96	-0.92	0.62	-0.04	-19.31	-14.47	-4.88	8.36
109	35	55	4.43	-0.13	-2.07	-1.93	-0.27	0.50	1.13	-17.73	-11.45	-5.14	8.89
		61	4.35	0.27	-0.51	-0.14	-0.10	0.39	0.35	-17.89	-14.27	-3.27	7.28
		63	4.12	0.58	0.12	0.19	0.50	-0.17	-0.85	-17.54	-14.54	-3.86	6.41
		162	5.10	-0.77	-1.88	-1.69	-0.95	0.41	-0.05	-21.14	-16.21	-4.98	8.93
109	67	55	4.26	-0.13	-2.43	-2.22	-0.35	0.67	1.16	-16.98	-10.69	-5.14	8.63
		61	4.18	0.29	-1.02	-0.43	-0.30	0.65	0.36	-17.16	-13.44	-3.36	7.17

		63	3.93	0.32	-0.17	-0.14	0.29	0.13	-0.86	-16.76	-13.68	-3.94	6.29
		162	4.88	-0.69	-2.07	-1.82	-0.93	0.52	-0.05	-20.20	-15.31	-4.94	8.64
110	5	57	5.57	-0.09	-2.13	-2.07	-0.15	-0.34	-1.86	-23.92	-19.15	-6.62	-9.08
		162	5.82	-0.68	-3.38	-1.76	-2.30	-1.33	-1.61	-24.82	-20.39	-6.04	-9.11
		63	5.94	0.28	-1.49	-1.49	0.28	-0.06	-0.41	-24.84	-20.63	-4.61	-9.22
110	13	57	4.05	-0.06	-1.55	-1.51	-0.10	-0.25	-1.39	-17.42	-13.91	-4.90	-6.63
		162	4.23	-0.47	-2.45	-1.25	-1.66	-0.97	-1.13	-18.00	-14.73	-4.39	-6.66
		63	4.33	0.20	-1.06	-1.06	0.20	-0.04	-0.33	-18.12	-14.96	-3.48	-6.80
110	21	57	3.87	0.12	-1.36	-1.34	0.10	-0.16	-1.30	-16.63	-13.28	-4.64	-6.33
		162	4.02	-0.12	-1.93	-0.68	-1.37	-0.84	-1.09	-17.16	-14.06	-4.19	-6.34
		63	4.09	0.15	-0.74	-0.74	0.14	0.02	-0.26	-17.13	-14.14	-3.25	-6.44
110	25	57	3.82	0.16	-1.32	-1.31	0.14	-0.14	-1.29	-16.41	-13.11	-4.60	-6.25
		162	3.97	-0.05	-1.83	-0.56	-1.31	-0.81	-1.07	-16.95	-13.88	-4.14	-6.27
		63	4.04	0.14	-0.67	-0.67	0.14	0.03	-0.26	-16.94	-13.98	-3.22	-6.37
110	35	57	4.18	0.44	-0.80	-0.80	0.44	0.05	-1.24	-17.96	-13.85	-5.35	-7.20
		162	4.32	0.52	-1.47	0.10	-1.06	-0.80	-1.06	-18.44	-14.60	-4.90	-7.21
		63	4.38	0.38	-0.20	-0.14	0.33	0.17	-0.26	-18.39	-14.68	-3.97	-7.32
110	67	57	3.99	0.29	-1.06	-1.06	0.29	-0.05	-1.27	-17.16	-13.47	-4.96	-6.71
		162	4.14	0.22	-1.64	-0.24	-1.18	-0.80	-1.07	-17.67	-14.24	-4.51	-6.72
		63	4.21	0.24	-0.43	-0.41	0.23	0.10	-0.27	-17.64	-14.33	-3.58	-6.83
111	5	49	6.18	-0.99	-2.24	-2.18	-1.05	-0.25	-1.47	-26.31	-26.05	-1.73	-2.53
		162	6.23	0.42	-1.33	-1.31	0.41	-0.16	-0.98	-26.31	-25.82	-1.47	3.48
		57	5.62	-0.74	-1.55	-1.55	-0.74	0.07	-2.54	-24.47	-24.46	-2.55	0.53
		51	3.89	0.29	-0.43	-0.43	0.28	0.05	-1.15	-16.71	-16.67	-1.19	0.80
111	13	49	4.51	-0.71	-1.62	-1.58	-0.75	-0.19	-1.10	-19.22	-19.03	-1.29	-1.85
		162	4.52	0.31	-0.95	-0.94	0.30	-0.13	-0.67	-19.06	-18.71	-1.02	2.50
		57	4.09	-0.52	-1.10	-1.09	-0.53	0.05	-1.88	-17.85	-17.84	-1.89	0.34
		51	2.84	0.21	-0.27	-0.27	0.21	0.03	-0.86	-12.20	-12.17	-0.88	0.57
111	21	49	4.30	-0.35	-0.87	-0.86	-0.36	-0.04	-1.03	-18.37	-18.19	-1.21	-1.77
		162	4.30	0.31	-0.54	-0.41	0.18	-0.30	-0.66	-18.19	-17.86	-0.99	2.39
		57	3.90	-0.16	-0.59	-0.50	-0.24	0.17	-1.77	-17.04	-17.03	-1.78	0.32
		51	2.71	0.24	0.08	0.13	0.19	-0.07	-0.81	-11.66	-11.63	-0.84	0.54
111	25	49	4.24	-0.27	-0.71	-0.71	-0.27	-0.02	-1.03	-18.09	-17.91	-1.21	-1.75
		162	4.24	0.33	-0.48	-0.30	0.15	-0.34	-0.64	-17.97	-17.64	-0.97	2.35
		57	3.85	-0.06	-0.49	-0.37	-0.18	0.20	-1.76	-16.81	-16.81	-1.76	0.31
		51	2.66	0.30	0.11	0.22	0.19	-0.09	-0.81	-11.46	-11.44	-0.84	0.52
111	51	49	4.64	0.33	-0.16	0.27	-0.11	-0.15	-1.01	-19.78	-19.53	-1.25	-2.11
		162	4.73	2.52	1.90	2.05	2.37	0.26	-0.37	-19.83	-19.74	-0.47	1.37
		57	4.13	0.65	-1.94	-0.39	-0.90	-1.27	-1.29	-17.82	-17.78	-1.33	-0.75
		51	2.89	3.13	0.84	2.08	1.90	1.14	-0.92	-12.37	-12.37	-0.92	0.05
111	83	49	4.42	-0.14	-0.31	-0.25	-0.20	-0.08	-1.02	-18.90	-18.69	-1.23	-1.92
		162	4.47	1.22	0.81	0.81	1.21	-0.05	-0.53	-18.85	-18.65	-0.73	1.89
		57	3.98	0.05	-0.96	-0.38	-0.53	-0.50	-1.55	-17.29	-17.28	-1.56	-0.19
		51	2.77	1.55	0.56	1.10	1.00	0.50	-0.87	-11.90	-11.89	-0.88	0.30
112	8	158	0.19	1.75	-4.77	-2.88	-0.14	-2.96	5.86	-9.00	-1.95	-1.19	-7.42
		161	0.05	2.18	-3.71	-1.86	0.33	2.73	-1.07	-2.57	-2.46	-1.18	0.39
		160	0.19	2.00	-4.28	-2.21	-0.08	-2.96	5.83	-9.22	-2.25	-1.14	-7.50
		159	0.04	2.37	-3.28	-1.18	0.27	2.73	-1.15	-2.62	-2.53	-1.24	0.34
112	16	158	0.13	1.28	-3.48	-2.09	-0.10	-2.16	4.05	-6.08	-1.24	-0.80	-5.06
		161	0.03	1.60	-2.72	-1.36	0.24	2.00	-0.79	-1.60	-1.60	-0.79	0.01
		160	0.13	1.47	-3.13	-1.61	-0.05	-2.16	4.03	-6.24	-1.45	-0.76	-5.12
		159	0.03	1.73	-2.42	-0.88	0.19	2.00	-0.83	-1.65	-1.65	-0.83	-0.02
112	24	158	0.11	1.32	-3.28	-1.91	-0.05	-2.10	3.21	-5.31	-1.31	-0.80	-4.25
		161	0.04	1.52	-2.83	-1.50	0.19	2.01	-0.23	-2.09	-1.54	-0.78	0.85
		160	0.11	1.51	-2.93	-1.44	0.02	-2.10	3.18	-5.47	-1.52	-0.77	-4.30
		159	0.04	1.64	-2.54	-1.02	0.12	2.01	-0.30	-2.11	-1.60	-0.82	0.82

112	25	158	0.11	1.32	-3.22	-1.87	-0.04	-2.08	3.02	-5.14	-1.32	-0.80	-4.07
		161	0.04	1.50	-2.85	-1.52	0.17	2.00	-0.05	-2.26	-1.53	-0.78	1.04
		160	0.11	1.52	-2.87	-1.39	0.04	-2.08	2.98	-5.30	-1.54	-0.78	-4.12
		159	0.04	1.61	-2.56	-1.05	0.10	2.00	-0.12	-2.28	-1.59	-0.81	1.01
112	50	158	0.14	0.73	-1.17	-0.42	-0.01	-0.93	5.23	-7.22	-1.13	-0.87	-6.22
		161	0.03	0.61	-0.58	-0.11	0.15	0.58	0.12	-2.17	-1.32	-0.73	-1.11
		160	0.16	2.11	-5.17	-3.07	0.02	-3.29	5.22	-7.30	-1.36	-0.72	-6.25
		159	0.05	2.37	-5.02	-2.76	0.11	3.40	0.04	-2.31	-1.39	-0.89	-1.15
112	82	158	0.12	1.03	-2.23	-1.18	-0.03	-1.53	4.07	-6.13	-1.23	-0.83	-5.09
		161	0.02	1.07	-1.76	-0.85	0.16	1.32	-0.76	-1.43	-1.43	-0.76	0.02
		160	0.13	1.80	-3.97	-2.20	0.03	-2.66	4.05	-6.25	-1.45	-0.75	-5.14
		159	0.03	1.97	-3.73	-1.87	0.10	2.67	-0.85	-1.50	-1.50	-0.85	-0.02
113	5	153	2.55	-0.21	-3.02	-2.67	-0.56	-0.93	-5.36	-12.09	-6.38	-11.07	-2.42
		36	1.99	3.39	-0.28	0.30	2.82	-1.34	-3.66	-9.41	-8.33	-4.74	-2.24
		165	1.58	0.12	-1.52	-1.43	0.03	0.38	-2.61	-7.38	-7.38	-2.61	-0.06
		185	1.13	1.99	0.83	1.73	1.09	-0.48	-1.26	-5.08	-5.08	-1.26	-8.36e-03
113	13	153	1.87	-0.13	-1.77	-1.61	-0.29	-0.50	-3.99	-8.90	-4.66	-8.23	-1.69
		36	1.43	2.31	-0.08	0.27	1.96	-0.85	-2.79	-6.82	-6.06	-3.54	-1.57
		165	1.15	0.20	-1.01	-0.89	0.08	0.36	-1.97	-5.39	-5.39	-1.97	0.01
		185	0.83	1.31	0.60	1.12	0.78	-0.31	-0.97	-3.75	-3.75	-0.98	0.05
113	21	153	1.73	1.49	-0.10	0.92	0.47	0.76	-3.33	-8.20	-3.72	-7.81	-1.33
		36	1.23	0.94	0.49	0.55	0.88	0.15	-2.36	-5.85	-5.14	-3.07	-1.40
		165	0.99	1.14	-0.47	0.29	0.39	0.80	-1.91	-4.72	-4.72	-1.91	0.07
		185	0.75	0.53	-2.17e-03	-2.10e-03	0.53	6.12e-03	-0.98	-3.47	-3.47	-0.99	0.14
113	25	153	1.73	2.27	-0.06	1.55	0.66	1.08	-3.23	-8.18	-3.57	-7.85	-1.24
		36	1.19	1.02	0.24	0.63	0.63	0.39	-2.34	-5.63	-4.92	-3.04	-1.35
		165	0.96	1.44	-0.40	0.57	0.47	0.92	-1.93	-4.56	-4.55	-1.93	0.10
		185	0.74	0.48	-0.29	-0.28	0.47	0.08	-1.00	-3.43	-3.41	-1.01	0.17
113	50	153	2.06	2.58	0.46	1.72	1.32	1.04	-2.70	-9.43	-3.76	-8.38	-2.44
		36	1.49	1.91	0.46	0.49	1.87	-0.23	-0.77	-6.54	-4.76	-2.55	-2.67
		165	1.15	1.96	-0.31	0.46	1.19	1.08	-1.19	-5.21	-5.03	-1.37	-0.84
		185	0.90	1.43	-0.81	-0.59	1.21	-0.67	-1.82	-4.21	-4.02	-2.02	-0.65
113	82	153	1.88	2.43	0.19	1.64	0.98	1.07	-3.01	-8.74	-3.66	-8.10	-1.81
		36	1.31	1.23	0.54	0.56	1.21	0.10	-1.60	-6.05	-4.84	-2.81	-1.98
		165	1.03	1.68	-0.33	0.53	0.81	0.99	-1.63	-4.82	-4.78	-1.66	-0.35
		185	0.79	0.88	-0.49	-0.43	0.82	-0.27	-1.47	-3.72	-3.70	-1.49	-0.22
114	5	36	1.85	2.23	-2.59	-2.51	2.15	0.64	-3.98	-8.77	-8.00	-4.75	-1.76
		42	2.26	0.27	-1.37	-0.51	-0.59	0.82	-2.07	-10.26	-10.01	-2.31	-1.40
		166	2.31	0.57	-0.30	0.01	0.26	0.42	-1.59	-10.33	-10.31	-1.61	-0.39
		165	1.53	0.65	0.28	0.63	0.30	-0.09	-2.41	-7.18	-7.18	-2.41	-0.10
114	13	36	1.33	1.61	-1.69	-1.60	1.52	0.54	-3.02	-6.33	-5.79	-3.56	-1.22
		42	1.64	0.30	-0.99	-0.26	-0.43	0.64	-1.59	-7.47	-7.30	-1.77	-1.00
		166	1.68	0.52	-0.22	0.12	0.18	0.37	-1.22	-7.53	-7.52	-1.23	-0.25
		165	1.12	0.48	0.23	0.48	0.23	7.36e-03	-1.82	-5.25	-5.25	-1.82	-0.02
114	21	36	1.11	1.46	-0.39	0.19	0.87	0.86	-2.61	-5.27	-4.74	-3.13	-1.06
		42	1.54	0.96	-0.81	0.49	-0.34	0.79	-1.38	-6.90	-6.69	-1.58	-1.04
		166	1.55	1.21	-0.32	0.80	0.10	0.68	-1.11	-6.86	-6.85	-1.12	-0.26
		165	0.99	0.86	-0.10	0.51	0.26	0.46	-1.76	-4.66	-4.66	-1.76	6.47e-03
114	25	36	1.07	1.63	-0.27	0.63	0.72	0.95	-2.59	-5.02	-4.49	-3.12	-1.01
		42	1.49	1.15	-0.79	0.68	-0.33	0.83	-1.37	-6.69	-6.47	-1.58	-1.05
		166	1.50	1.41	-0.36	0.97	0.08	0.77	-1.11	-6.64	-6.63	-1.12	-0.25
		165	0.95	0.98	-0.20	0.52	0.26	0.58	-1.78	-4.51	-4.51	-1.78	0.03
114	50	36	1.39	2.42	0.11	0.58	1.95	0.94	-1.32	-6.20	-4.90	-2.63	-2.16
		42	1.81	1.11	-0.49	0.98	-0.36	0.44	-0.50	-7.65	-6.86	-1.30	-2.25
		166	1.71	1.31	0.17	1.05	0.42	0.47	-0.54	-7.30	-7.03	-0.82	-1.33
		165	1.16	1.04	0.12	0.25	0.91	0.32	-1.01	-5.23	-4.96	-1.28	-1.05

114	82	36	1.21	1.96	-0.04	0.62	1.30	0.94	-1.99	-5.58	-4.68	-2.88	-1.56
		42	1.63	1.11	-0.63	0.83	-0.34	0.64	-0.98	-7.12	-6.66	-1.44	-1.62
		166	1.59	1.37	-0.11	1.01	0.24	0.63	-0.88	-6.92	-6.82	-0.98	-0.77
		165	1.03	0.95	0.02	0.39	0.57	0.46	-1.47	-4.80	-4.73	-1.54	-0.48
115	5	42	2.36	0.61	-1.25	-0.89	0.25	0.74	-2.31	-10.76	-10.47	-2.60	-1.52
		48	3.21	0.85	-0.83	-0.19	0.21	0.82	-1.69	-14.12	-14.01	-1.80	-1.17
		167	3.19	0.92	-0.02	0.73	0.17	0.37	-1.03	-13.71	-13.69	-1.06	-0.52
		166	2.30	0.68	0.09	0.62	0.15	0.17	-1.51	-10.18	-10.17	-1.52	-0.36
115	13	42	1.71	0.48	-0.84	-0.51	0.15	0.57	-1.77	-7.83	-7.63	-1.97	-1.08
		48	2.33	0.67	-0.58	-0.06	0.15	0.62	-1.30	-10.30	-10.22	-1.38	-0.85
		167	2.33	0.78	-0.03	0.63	0.12	0.31	-0.81	-10.03	-10.01	-0.83	-0.38
		166	1.67	0.59	0.03	0.52	0.10	0.18	-1.16	-7.43	-7.42	-1.17	-0.23
115	21	42	1.59	0.92	-0.58	0.45	-0.10	0.70	-1.54	-7.19	-6.98	-1.75	-1.06
		48	2.23	0.95	-0.41	0.49	0.04	0.64	-1.19	-9.77	-9.69	-1.28	-0.83
		167	2.21	1.32	-0.15	1.12	0.05	0.50	-0.74	-9.47	-9.45	-0.75	-0.37
		166	1.54	1.09	-0.22	0.85	0.03	0.51	-1.08	-6.83	-6.81	-1.09	-0.26
115	25	42	1.55	1.11	-0.59	0.69	-0.17	0.74	-1.53	-6.98	-6.76	-1.74	-1.06
		48	2.18	1.04	-0.40	0.63	0.02	0.65	-1.19	-9.56	-9.47	-1.27	-0.83
		167	2.16	1.46	-0.18	1.24	0.04	0.56	-0.73	-9.25	-9.24	-0.75	-0.37
		166	1.50	1.22	-0.28	0.93	9.20e-03	0.60	-1.08	-6.62	-6.61	-1.09	-0.26
115	51	42	1.86	1.33	-0.30	0.92	0.11	0.71	-0.70	-7.97	-7.25	-1.41	-2.16
		48	2.45	0.80	0.32	0.78	0.34	0.10	-0.56	-10.44	-9.98	-1.02	-2.07
		167	2.40	1.19	0.22	1.18	0.23	-0.10	-0.23	-10.03	-9.75	-0.51	-1.64
		166	1.73	0.85	-0.05	0.57	0.22	0.42	-0.48	-7.39	-7.10	-0.78	-1.41
115	83	42	1.69	1.22	-0.45	0.80	-0.04	0.72	-1.16	-7.43	-7.00	-1.58	-1.58
		48	2.30	0.91	-0.04	0.70	0.17	0.39	-0.92	-9.95	-9.72	-1.15	-1.42
		167	2.27	1.27	0.08	1.22	0.13	0.24	-0.53	-9.59	-9.49	-0.63	-0.97
		166	1.60	1.05	-0.17	0.77	0.11	0.51	-0.83	-6.95	-6.84	-0.94	-0.80
116	5	48	3.20	1.15	-0.69	0.02	0.44	0.89	-1.76	-14.12	-14.01	-1.87	-1.15
		54	4.07	1.30	-0.54	0.63	0.12	0.88	-1.81	-17.74	-17.70	-1.85	-0.86
		168	4.07	1.47	0.04	1.26	0.25	0.50	-0.83	-17.24	-17.23	-0.84	-0.40
		167	3.19	1.07	0.19	1.02	0.24	0.20	-1.04	-13.71	-13.69	-1.06	-0.49
116	13	48	2.33	0.89	-0.48	0.10	0.31	0.68	-1.35	-10.30	-10.22	-1.43	-0.84
		54	2.98	1.00	-0.40	0.53	0.08	0.67	-1.38	-12.99	-12.95	-1.42	-0.66
		168	2.98	1.16	0.03	1.00	0.19	0.40	-0.66	-12.64	-12.63	-0.67	-0.31
		167	2.33	0.86	0.11	0.81	0.16	0.19	-0.82	-10.02	-10.01	-0.83	-0.35
116	21	48	2.22	1.16	-0.32	0.65	0.19	0.70	-1.24	-9.76	-9.68	-1.31	-0.81
		54	2.85	1.26	-0.35	0.88	0.02	0.68	-1.29	-12.40	-12.36	-1.32	-0.61
		168	2.84	1.55	-0.02	1.35	0.18	0.52	-0.60	-12.03	-12.03	-0.61	-0.27
		167	2.21	1.21	-0.06	1.08	0.07	0.39	-0.75	-9.47	-9.45	-0.76	-0.35
116	25	48	2.18	1.26	-0.31	0.79	0.15	0.72	-1.23	-9.55	-9.47	-1.31	-0.81
		54	2.80	1.33	-0.35	0.97	6.39e-03	0.69	-1.29	-12.19	-12.15	-1.32	-0.61
		168	2.80	1.65	-0.04	1.44	0.17	0.56	-0.60	-11.82	-11.81	-0.60	-0.27
		167	2.16	1.31	-0.11	1.15	0.05	0.44	-0.74	-9.26	-9.24	-0.76	-0.35
116	35	48	2.48	1.44	0.09	1.25	0.28	0.47	-1.02	-10.70	-10.52	-1.20	-1.32
		54	3.09	1.51	-0.07	1.44	6.89e-05	0.31	-1.09	-13.28	-13.17	-1.20	-1.17
		168	3.09	1.84	0.25	1.83	0.26	0.13	-0.44	-12.93	-12.87	-0.50	-0.83
		167	2.46	1.50	0.16	1.47	0.18	0.18	-0.58	-10.42	-10.34	-0.66	-0.86
116	67	48	2.32	1.34	-0.11	1.02	0.21	0.60	-1.13	-10.11	-9.98	-1.26	-1.05
		54	2.94	1.39	-0.18	1.21	2.13e-03	0.51	-1.20	-12.72	-12.65	-1.26	-0.87
		168	2.94	1.72	0.13	1.64	0.21	0.35	-0.53	-12.36	-12.33	-0.55	-0.54
		167	2.31	1.39	0.04	1.32	0.11	0.32	-0.67	-9.82	-9.78	-0.71	-0.59
117	1	144	1.32	1.60	-0.03	0.89	0.67	-0.81	-3.51	-6.20	-4.36	-5.36	1.25
		107	2.43	4.28	-0.11	3.05	1.12	-1.97	-4.15	-11.40	-4.37	-11.18	1.23
		177	0.77	0.56	-1.16	-1.12	0.52	-0.27	-1.99	-3.61	-3.60	-2.00	-0.12
		184	0.90	2.46	-0.71	0.96	0.80	-1.58	-3.07	-4.10	-4.10	-3.07	-0.07

117	9	144	0.99	1.18	0.05	0.67	0.56	-0.56	-2.75	-4.63	-3.39	-3.98	0.89
		107	1.79	3.08	-0.08	2.19	0.81	-1.42	-3.16	-8.43	-3.31	-8.28	0.87
		177	0.59	0.43	-0.79	-0.77	0.41	-0.18	-1.47	-2.75	-2.74	-1.48	-0.13
		184	0.69	1.80	-0.53	0.68	0.59	-1.16	-2.27	-3.20	-3.18	-2.28	-0.10
117	17	144	0.98	1.01	0.51	0.63	0.90	-0.21	-2.46	-4.61	-3.62	-3.45	1.07
		107	1.60	1.79	-0.08	1.21	0.50	-0.86	-2.85	-7.54	-3.08	-7.32	1.01
		177	0.56	0.48	-0.18	-0.18	0.48	-8.22e-03	-1.30	-2.70	-2.70	-1.31	-0.04
		184	0.72	1.24	-0.47	0.34	0.44	-0.85	-2.05	-3.41	-3.41	-2.06	0.04
117	25	144	0.96	1.00	0.51	0.62	0.89	-0.20	-2.36	-4.55	-3.58	-3.32	1.09
		107	1.56	1.76	-0.08	1.19	0.49	-0.85	-2.74	-7.34	-2.97	-7.11	1.00
		177	0.56	0.47	-0.18	-0.18	0.47	-7.17e-03	-1.27	-2.66	-2.66	-1.28	-0.03
		184	0.72	1.23	-0.46	0.33	0.43	-0.84	-2.01	-3.39	-3.39	-2.01	0.06
117	51	144	1.33	3.06	1.32	1.76	2.63	0.76	-1.07	-5.94	-3.37	-3.64	2.43
		107	1.90	2.23	0.67	1.95	0.95	-0.60	-1.95	-8.63	-2.78	-7.80	2.20
		177	0.80	1.61	-0.61	-0.36	1.36	0.70	-1.96	-3.82	-3.24	-2.54	0.86
		184	0.94	1.54	-0.98	-0.39	0.95	-1.06	-1.85	-4.41	-3.81	-2.45	1.09
117	83	144	1.12	1.83	1.06	1.16	1.73	0.26	-1.75	-5.20	-3.48	-3.48	1.73
		107	1.71	1.96	0.29	1.54	0.71	-0.73	-2.39	-7.93	-2.88	-7.44	1.57
		177	0.64	0.99	-0.35	-0.26	0.90	0.33	-1.75	-3.07	-2.94	-1.88	0.39
		184	0.80	1.34	-0.68	-0.02	0.68	-0.95	-2.03	-3.78	-3.59	-2.22	0.55
118	8	54	4.06	2.58	-0.87	2.21	-0.50	1.07	-1.45	-17.35	-17.10	-1.71	-1.99
		60	4.98	1.34	0.65	1.27	0.71	0.20	-1.88	-21.54	-21.41	-2.01	-1.55
		169	4.92	4.77	0.44	4.49	0.71	1.05	-0.50	-20.37	-20.31	-0.55	-1.05
		168	4.08	4.16	0.65	4.06	0.75	0.58	-0.60	-16.97	-16.84	-0.73	-1.44
118	16	54	2.97	1.85	-0.61	1.58	-0.34	0.77	-1.15	-12.73	-12.56	-1.32	-1.41
		60	3.64	0.99	0.44	0.91	0.51	0.19	-1.46	-15.79	-15.70	-1.55	-1.10
		169	3.60	3.39	0.29	3.18	0.50	0.77	-0.44	-14.97	-14.93	-0.48	-0.74
		168	2.98	2.94	0.44	2.87	0.52	0.43	-0.51	-12.46	-12.37	-0.59	-1.00
118	21	54	2.86	1.16	-0.24	0.94	-0.02	0.51	-1.32	-12.44	-12.40	-1.35	-0.63
		60	3.47	0.94	-4.97e-03	0.59	0.34	0.45	-1.48	-15.10	-15.10	-1.49	-0.20
		169	3.40	1.80	-0.03	1.60	0.17	0.57	-0.54	-14.29	-14.29	-0.54	0.06
		168	2.86	1.51	0.04	1.38	0.17	0.42	-0.60	-12.08	-12.08	-0.60	-0.26
118	25	54	2.81	1.23	-0.24	1.03	-0.03	0.51	-1.31	-12.23	-12.19	-1.35	-0.63
		60	3.42	0.99	3.85e-03	0.64	0.35	0.47	-1.48	-14.90	-14.90	-1.48	-0.20
		169	3.35	1.88	-0.04	1.67	0.18	0.61	-0.53	-14.09	-14.09	-0.54	0.06
		168	2.81	1.57	9.79e-03	1.42	0.16	0.46	-0.60	-11.87	-11.86	-0.60	-0.26
118	35	54	3.17	1.54	-0.02	1.49	0.03	0.27	-1.21	-13.65	-13.53	-1.33	-1.21
		60	3.76	1.07	0.36	1.07	0.36	0.03	-1.39	-16.24	-16.19	-1.44	-0.79
		169	3.69	2.00	0.24	1.99	0.24	0.08	-0.43	-15.41	-15.40	-0.44	-0.52
		168	3.16	1.76	0.23	1.74	0.25	0.17	-0.53	-13.27	-13.22	-0.58	-0.84
118	67	54	2.99	1.37	-0.12	1.26	-3.49e-03	0.39	-1.27	-12.92	-12.85	-1.34	-0.91
		60	3.59	0.96	0.24	0.86	0.35	0.26	-1.44	-15.55	-15.53	-1.46	-0.48
		169	3.51	1.90	0.14	1.83	0.21	0.35	-0.49	-14.73	-14.73	-0.49	-0.21
		168	2.98	1.65	0.13	1.58	0.20	0.32	-0.57	-12.55	-12.52	-0.59	-0.54
119	8	60	5.02	1.65	0.50	1.40	0.75	0.48	-1.93	-21.71	-21.62	-2.03	-1.34
		66	5.40	1.14	0.24	0.98	0.41	0.35	-2.34	-23.52	-23.51	-2.35	-0.48
		170	5.44	4.85	0.66	4.71	0.80	0.75	-0.44	-22.51	-22.51	-0.45	-0.33
		169	4.92	4.33	0.75	4.33	0.75	0.03	-0.51	-20.40	-20.35	-0.56	-1.02
119	16	60	3.67	1.22	0.33	1.01	0.54	0.37	-1.50	-15.91	-15.84	-1.56	-0.95
		66	3.96	0.85	0.13	0.68	0.30	0.31	-1.81	-17.30	-17.29	-1.82	-0.36
		170	4.00	3.47	0.44	3.35	0.56	0.59	-0.41	-16.59	-16.59	-0.42	-0.26
		169	3.60	3.06	0.52	3.06	0.52	0.07	-0.45	-14.99	-14.95	-0.48	-0.72
119	21	60	3.49	1.07	-0.03	0.69	0.34	0.52	-1.48	-15.20	-15.20	-1.48	-0.08
		66	3.76	0.94	-0.40	0.30	0.23	0.67	-1.78	-16.47	-16.44	-1.81	0.63
		170	3.74	2.11	-0.08	1.86	0.17	0.70	-0.61	-15.74	-15.72	-0.63	0.52
		169	3.40	1.72	0.04	1.57	0.19	0.47	-0.54	-14.32	-14.32	-0.54	0.09

119	25	60	3.45	1.11	-0.02	0.74	0.35	0.53	-1.48	-14.99	-14.99	-1.48	-0.08
		66	3.72	0.97	-0.41	0.31	0.25	0.69	-1.77	-16.28	-16.26	-1.80	0.63
		170	3.70	2.19	-0.10	1.91	0.18	0.75	-0.61	-15.55	-15.53	-0.63	0.53
		169	3.36	1.75	0.02	1.59	0.19	0.51	-0.53	-14.12	-14.12	-0.53	0.09
119	35	60	3.83	1.06	0.32	1.01	0.37	0.19	-1.44	-16.56	-16.53	-1.46	-0.64
		66	4.08	0.78	0.16	0.77	0.16	0.06	-1.79	-17.75	-17.75	-1.79	0.09
		170	4.04	2.20	0.17	2.19	0.17	0.06	-0.62	-16.96	-16.96	-0.62	-5.88e-03
		169	3.72	1.85	0.27	1.84	0.28	0.12	-0.50	-15.60	-15.59	-0.51	-0.48
119	67	60	3.63	1.07	0.17	0.88	0.36	0.37	-1.46	-15.75	-15.74	-1.47	-0.35
		66	3.89	0.79	-0.05	0.54	0.21	0.39	-1.78	-16.99	-16.98	-1.79	0.37
		170	3.86	2.14	0.09	2.05	0.18	0.42	-0.62	-16.23	-16.23	-0.62	0.27
		169	3.53	1.79	0.16	1.72	0.23	0.32	-0.52	-14.84	-14.83	-0.52	-0.18
120	1	66	5.30	1.36	-0.42	0.79	0.14	0.83	-2.97	-23.36	-23.33	-3.00	0.80
		72	5.68	1.11	-1.31	-0.53	0.33	1.13	-3.98	-25.35	-25.29	-4.03	1.05
		171	5.79	3.70	-0.09	3.47	0.14	0.90	-1.38	-24.53	-24.49	-1.41	0.88
		170	5.33	2.70	-0.15	2.46	0.09	0.78	-1.19	-22.60	-22.59	-1.20	0.57
120	9	66	3.89	1.02	-0.32	0.60	0.10	0.62	-2.23	-17.17	-17.15	-2.25	0.49
		72	4.19	0.85	-1.01	-0.45	0.29	0.85	-2.95	-18.68	-18.65	-2.97	0.65
		171	4.27	2.79	-0.07	2.62	0.11	0.69	-1.05	-18.09	-18.07	-1.06	0.55
		170	3.93	2.01	-0.11	1.83	0.07	0.59	-0.92	-16.65	-16.64	-0.92	0.34
120	17	66	3.70	1.05	-0.30	0.65	0.10	0.62	-1.85	-16.22	-16.19	-1.87	0.60
		72	3.87	0.96	-1.18	-0.65	0.43	0.93	-2.19	-17.05	-16.99	-2.24	0.89
		171	3.90	2.90	-0.10	2.66	0.15	0.82	-0.79	-16.44	-16.40	-0.83	0.80
		170	3.71	1.96	-0.19	1.71	0.06	0.69	-0.70	-15.65	-15.64	-0.71	0.51
120	25	66	3.69	1.04	-0.30	0.64	0.10	0.61	-1.75	-16.12	-16.09	-1.78	0.63
		72	3.82	0.95	-1.16	-0.64	0.43	0.91	-2.01	-16.76	-16.70	-2.07	0.94
		171	3.84	2.86	-0.09	2.63	0.14	0.80	-0.73	-16.16	-16.11	-0.78	0.85
		170	3.69	1.93	-0.19	1.69	0.06	0.68	-0.65	-15.54	-15.52	-0.67	0.55
120	35	66	4.03	1.33	0.16	1.32	0.17	0.09	-1.73	-17.49	-17.49	-1.73	0.07
		72	4.13	0.53	0.51	0.53	0.51	-9.96e-03	-1.82	-18.04	-18.03	-1.83	0.32
		171	4.20	2.70	0.38	2.70	0.38	-0.04	-0.58	-17.58	-17.58	-0.59	0.29
		170	4.04	1.90	0.04	1.86	0.08	0.27	-0.65	-16.98	-16.98	-0.65	0.04
120	67	66	3.85	1.11	-1.13e-03	0.98	0.13	0.36	-1.75	-16.78	-16.77	-1.76	0.36
		72	3.97	0.74	-0.34	-0.06	0.47	0.47	-1.93	-17.38	-17.35	-1.96	0.64
		171	4.02	2.73	0.19	2.67	0.26	0.40	-0.67	-16.85	-16.83	-0.69	0.58
		170	3.86	1.91	-0.06	1.78	0.07	0.48	-0.65	-16.24	-16.23	-0.66	0.31
121	8	72	5.31	5.64	2.18	3.35	4.48	1.64	-3.32	-23.43	-23.42	-3.33	-0.47
		78	6.58	2.34	-6.77	-4.67	0.24	3.84	4.46	-24.52	-24.51	4.46	-0.48
		172	5.48	10.55	1.82	10.47	1.91	0.84	-0.14	-22.12	-21.97	-0.30	1.85
		171	5.65	2.34	0.37	2.27	0.43	0.36	0.71	-23.02	-23.01	0.70	0.32
121	12	72	4.08	3.26	1.23	2.05	2.44	1.00	-3.04	-18.23	-18.23	-3.04	-0.10
		78	4.82	1.70	-5.73	-3.69	-0.34	3.31	-0.07	-19.82	-19.82	-0.07	0.26
		172	4.32	7.39	0.90	7.38	0.91	0.29	-0.42	-17.65	-17.57	-0.51	1.22
		171	4.27	1.82	-0.55	1.44	-0.17	0.87	-0.25	-17.80	-17.79	-0.25	0.26
121	17	72	3.88	1.98	0.65	1.40	1.24	0.66	-2.30	-17.14	-17.09	-2.36	0.87
		78	4.08	1.52	-5.88	-3.52	-0.83	3.45	-2.40	-17.72	-17.60	-2.53	1.37
		172	3.97	6.23	0.29	6.23	0.29	-0.10	-0.57	-16.32	-16.22	-0.66	1.20
		171	3.90	1.85	-1.46	1.07	-0.67	1.41	-0.76	-16.50	-16.46	-0.80	0.80
121	25	72	3.83	1.96	0.65	1.38	1.23	0.65	-2.11	-16.85	-16.79	-2.17	0.94
		78	3.96	1.50	-5.79	-3.47	-0.82	3.40	-2.17	-17.15	-17.02	-2.31	1.40
		172	3.88	6.14	0.29	6.14	0.29	-0.10	-0.54	-15.93	-15.84	-0.64	1.21
		171	3.83	1.83	-1.44	1.05	-0.66	1.39	-0.70	-16.20	-16.16	-0.75	0.85
121	51	72	4.20	3.60	1.01	1.86	2.75	1.22	-0.90	-17.86	-17.73	-1.04	-1.51
		78	4.37	2.82	-5.75	-3.27	0.34	3.89	2.58	-16.52	-16.50	2.56	-0.67
		172	4.18	4.46	0.15	3.99	0.62	-1.34	4.44	-14.44	-14.42	4.42	0.59
		171	3.79	1.85	-1.62	-0.50	0.73	1.62	0.56	-15.44	-15.44	0.56	-0.14

121	83	72	3.97	2.72	0.85	1.61	1.95	0.92	-1.63	-17.25	-17.24	-1.63	-0.23
		78	4.10	2.13	-5.75	-3.36	-0.26	3.62	0.02	-16.79	-16.78	0.01	0.41
		172	3.99	5.22	0.35	5.12	0.45	-0.69	1.82	-15.22	-15.17	1.77	0.91
		171	3.79	1.66	-1.34	0.32	1.81e-03	1.49	-0.11	-15.83	-15.82	-0.12	0.38
122	1	78	6.29	10.14	0.06	8.48	1.72	3.74	-4.41	-27.57	-27.29	-4.69	2.56
		84	5.13	3.44	-2.47	3.32	-2.34	0.86	-3.06	-22.45	-22.03	-3.48	2.82
		173	5.46	7.66	0.13	7.39	0.41	1.41	-1.23	-22.78	-22.46	-1.55	2.59
		172	5.93	1.29	0.18	1.28	0.18	0.07	-0.96	-25.09	-24.94	-1.11	1.92
122	9	78	4.63	7.82	0.03	6.53	1.31	2.89	-3.18	-20.27	-20.09	-3.36	1.74
		84	3.82	2.61	-1.88	2.52	-1.78	0.65	-2.30	-16.71	-16.45	-2.55	1.90
		173	4.06	5.84	0.10	5.62	0.32	1.10	-0.94	-16.96	-16.76	-1.14	1.75
		172	4.38	0.89	0.14	0.89	0.14	0.06	-0.76	-18.54	-18.45	-0.85	1.27
122	17	78	4.04	8.71	-0.07	7.25	1.39	3.27	-2.16	-17.35	-17.17	-2.34	1.65
		84	3.49	2.66	-2.01	2.57	-1.92	0.66	-1.60	-15.03	-14.83	-1.81	1.65
		173	3.66	6.18	0.08	5.88	0.39	1.33	-0.71	-15.17	-15.01	-0.88	1.52
		172	3.88	0.50	0.10	0.47	0.14	0.11	-0.63	-16.44	-16.34	-0.73	1.27
122	25	78	3.93	8.60	-0.07	7.15	1.37	3.23	-1.94	-16.78	-16.61	-2.12	1.61
		84	3.43	2.63	-1.98	2.54	-1.89	0.65	-1.45	-14.72	-14.52	-1.65	1.59
		173	3.58	6.10	0.08	5.80	0.38	1.31	-0.66	-14.81	-14.66	-0.82	1.47
		172	3.79	0.50	0.10	0.46	0.13	0.11	-0.60	-16.05	-15.94	-0.71	1.27
122	51	78	4.43	9.43	0.29	7.44	2.28	3.77	2.94	-16.41	-16.18	2.72	2.09
		84	3.81	3.16	-0.91	3.07	-0.83	-0.59	-0.49	-15.83	-15.40	-0.92	2.53
		173	4.00	3.97	1.07	3.95	1.09	0.21	0.19	-16.29	-16.21	0.11	1.15
		172	4.16	0.78	-1.77	-1.51	0.52	0.78	4.35	-14.61	-14.60	4.34	0.44
122	67	78	4.10	7.59	0.19	6.43	1.35	2.69	-1.38	-17.33	-17.15	-1.56	1.68
		84	3.62	2.33	-1.65	2.29	-1.61	0.39	-1.46	-15.52	-15.30	-1.69	1.76
		173	3.76	5.47	0.32	5.29	0.51	0.96	-0.66	-15.58	-15.44	-0.80	1.43
		172	3.92	0.44	0.19	0.42	0.21	-0.07	-0.03	-16.34	-16.26	-0.10	1.08
123	4	84	5.27	7.39	-0.64	7.20	-0.46	1.20	-2.26	-22.45	-22.11	-2.60	2.61
		90	4.84	5.59	-0.34	5.56	-0.31	0.37	-1.84	-20.58	-20.27	-2.15	2.38
		174	4.95	7.90	0.21	7.81	0.31	0.84	-0.81	-20.43	-20.18	-1.06	2.19
		173	5.38	6.70	-0.02	6.65	0.03	0.60	-0.58	-22.16	-21.90	-0.84	2.36
123	12	84	3.93	5.53	-0.56	5.40	-0.43	0.86	-1.76	-16.74	-16.53	-1.96	1.75
		90	3.63	4.16	-0.22	4.14	-0.21	0.26	-1.44	-15.46	-15.27	-1.63	1.59
		174	3.71	5.82	0.14	5.75	0.20	0.59	-0.66	-15.34	-15.19	-0.81	1.47
		173	4.00	4.93	-0.06	4.89	-0.02	0.45	-0.51	-16.54	-16.38	-0.67	1.59
123	17	84	3.55	5.05	-1.18	5.02	-1.16	0.39	-1.65	-15.10	-14.92	-1.83	1.55
		90	3.28	3.59	0.04	3.59	0.05	0.07	-1.32	-13.99	-13.82	-1.48	1.42
		174	3.35	4.72	-0.06	4.71	-0.05	0.21	-0.67	-13.88	-13.74	-0.81	1.35
		173	3.61	3.99	-0.38	3.95	-0.34	0.40	-0.69	-15.04	-14.88	-0.85	1.48
123	25	84	3.49	4.98	-1.17	4.95	-1.14	0.39	-1.51	-14.79	-14.61	-1.68	1.52
		90	3.23	3.55	0.04	3.54	0.05	0.07	-1.23	-13.75	-13.59	-1.39	1.41
		174	3.29	4.65	-0.06	4.64	-0.05	0.21	-0.62	-13.63	-13.49	-0.75	1.33
		173	3.53	3.94	-0.37	3.90	-0.34	0.39	-0.64	-14.71	-14.56	-0.79	1.44
123	50	84	3.74	6.09	-0.34	5.69	0.05	1.54	-0.76	-15.53	-15.34	-0.96	1.69
		90	3.47	4.49	0.32	4.43	0.38	0.51	-0.69	-14.47	-14.28	-0.88	1.58
		174	3.50	2.67	-0.40	2.57	-0.30	-0.55	-0.08	-14.39	-14.22	-0.25	1.55
		173	3.76	2.68	-0.25	2.03	0.40	1.22	0.11	-15.48	-15.30	-0.06	1.64
123	82	84	3.61	5.45	-0.72	5.30	-0.58	0.93	-1.15	-15.15	-14.96	-1.34	1.60
		90	3.35	3.98	0.18	3.96	0.20	0.28	-0.97	-14.10	-13.92	-1.15	1.49
		174	3.39	3.67	-0.18	3.66	-0.17	-0.15	-0.36	-14.00	-13.85	-0.52	1.44
		173	3.64	3.21	-0.18	3.01	0.02	0.79	-0.28	-15.08	-14.92	-0.44	1.54
124	4	90	4.84	6.09	-0.60	6.06	-0.57	0.45	-1.86	-20.52	-20.19	-2.18	2.44
		96	4.53	6.02	-0.59	5.99	-0.55	-0.50	-1.77	-19.18	-18.92	-2.04	2.13
		175	4.66	7.49	0.07	7.49	0.07	-2.21e-03	-0.77	-19.17	-18.95	-0.99	2.00
		174	4.96	7.51	0.14	7.51	0.14	0.04	-0.76	-20.43	-20.18	-1.01	2.20

124	12	90	3.63	4.54	-0.45	4.52	-0.43	0.32	-1.46	-15.41	-15.22	-1.65	1.64
		96	3.42	4.49	-0.44	4.47	-0.41	-0.36	-1.38	-14.49	-14.34	-1.54	1.43
		175	3.51	5.52	0.03	5.52	0.03	-9.25e-03	-0.63	-14.47	-14.34	-0.76	1.34
		174	3.72	5.53	0.08	5.53	0.08	0.04	-0.62	-15.34	-15.19	-0.78	1.48
124	17	90	3.29	4.02	-0.42	4.01	-0.41	0.18	-1.32	-13.99	-13.81	-1.50	1.47
		96	3.10	3.99	-0.39	3.97	-0.37	-0.27	-1.23	-13.14	-12.98	-1.40	1.38
		175	3.15	4.48	-0.14	4.48	-0.14	-0.10	-0.62	-13.07	-12.94	-0.75	1.26
		174	3.35	4.50	-0.09	4.50	-0.09	0.06	-0.64	-13.89	-13.75	-0.79	1.37
124	25	90	3.24	3.97	-0.42	3.96	-0.41	0.17	-1.23	-13.75	-13.57	-1.41	1.46
		96	3.05	3.93	-0.38	3.92	-0.36	-0.27	-1.15	-12.92	-12.75	-1.32	1.37
		175	3.10	4.42	-0.14	4.41	-0.13	-0.10	-0.58	-12.83	-12.70	-0.71	1.26
		174	3.29	4.44	-0.09	4.43	-0.09	0.06	-0.60	-13.64	-13.50	-0.74	1.34
124	51	90	3.52	4.81	-0.29	4.55	-0.03	1.12	-0.77	-14.71	-14.48	-0.99	1.75
		96	3.35	4.77	-0.26	4.54	-0.02	-1.06	-0.72	-13.91	-13.67	-0.96	1.78
		175	3.30	2.73	-0.63	2.50	-0.40	-0.85	-0.09	-13.57	-13.36	-0.29	1.65
		174	3.48	2.85	-0.58	2.56	-0.29	0.95	-0.06	-14.33	-14.15	-0.25	1.62
124	83	90	3.38	4.33	-0.31	4.24	-0.23	0.62	-1.01	-14.21	-14.01	-1.21	1.60
		96	3.19	4.31	-0.29	4.21	-0.20	-0.65	-0.95	-13.39	-13.19	-1.15	1.57
		175	3.20	3.56	-0.31	3.50	-0.26	-0.46	-0.34	-13.18	-13.02	-0.51	1.45
		174	3.38	3.61	-0.25	3.55	-0.19	0.48	-0.34	-13.97	-13.81	-0.50	1.48
125	4	96	4.55	5.52	-0.51	5.49	-0.49	-0.36	-1.73	-19.28	-19.01	-2.00	2.16
		102	4.40	7.20	-0.57	6.97	-0.34	-1.32	-1.91	-18.59	-18.34	-2.16	2.03
		176	4.46	6.67	-0.21	6.64	-0.18	-0.49	-0.69	-18.37	-18.19	-0.88	1.79
		175	4.67	7.88	0.24	7.78	0.34	-0.86	-0.78	-19.17	-18.94	-1.01	2.03
125	12	96	3.43	4.11	-0.36	4.09	-0.34	-0.25	-1.35	-14.56	-14.40	-1.51	1.46
		102	3.32	5.38	-0.48	5.22	-0.32	-0.94	-1.49	-14.07	-13.92	-1.64	1.37
		176	3.37	4.91	-0.20	4.89	-0.17	-0.36	-0.57	-13.91	-13.80	-0.68	1.20
		175	3.51	5.81	0.16	5.74	0.23	-0.61	-0.64	-14.47	-14.34	-0.77	1.36
125	24	96	3.10	3.64	-0.21	3.63	-0.20	-0.16	-1.07	-13.13	-12.96	-1.24	1.42
		102	2.97	4.89	-0.73	4.81	-0.65	-0.67	-1.13	-12.47	-12.30	-1.30	1.38
		176	2.99	4.15	-0.36	4.13	-0.34	-0.33	-0.49	-12.35	-12.22	-0.62	1.22
		175	3.16	4.93	0.04	4.90	0.08	-0.40	-0.51	-12.99	-12.85	-0.65	1.31
125	25	96	3.06	3.52	-0.14	3.52	-0.13	-0.11	-1.13	-12.97	-12.80	-1.30	1.41
		102	2.92	4.81	-0.90	4.76	-0.84	-0.55	-1.25	-12.31	-12.14	-1.42	1.36
		176	2.95	3.91	-0.46	3.88	-0.44	-0.33	-0.60	-12.24	-12.12	-0.72	1.17
		175	3.10	4.66	-0.02	4.64	-8.61e-04	-0.30	-0.58	-12.83	-12.69	-0.71	1.28
125	43	96	3.31	4.55	0.11	4.47	0.19	0.58	-0.60	-13.74	-13.47	-0.87	1.85
		102	3.17	5.87	-0.14	5.50	0.23	-1.44	-0.76	-13.08	-12.84	-1.00	1.72
		176	3.18	2.60	-0.20	2.26	0.14	-0.92	-0.14	-13.09	-12.91	-0.32	1.53
		175	3.33	3.02	-0.39	2.89	-0.26	0.66	-0.09	-13.69	-13.47	-0.31	1.72
125	75	96	3.18	3.98	8.57e-03	3.97	0.02	0.22	-0.88	-13.34	-13.12	-1.09	1.62
		102	3.04	5.28	-0.50	5.12	-0.33	-0.97	-1.02	-12.68	-12.48	-1.22	1.53
		176	3.06	3.22	-0.27	3.12	-0.16	-0.61	-0.38	-12.65	-12.50	-0.53	1.34
		175	3.21	3.82	-0.13	3.81	-0.12	0.16	-0.35	-13.24	-13.06	-0.52	1.49
126	4	102	4.08	4.43	-1.75	4.43	-1.74	-0.23	-2.91	-17.85	-17.63	-3.14	1.82
		108	4.82	13.06	-0.54	10.44	2.08	-5.37	0.16	-19.16	-19.12	0.12	0.91
		178	4.34	1.99	1.08	1.96	1.11	-0.17	-0.40	-18.14	-17.82	-0.73	2.40
		176	4.59	9.89	0.03	9.15	0.78	-2.60	-0.44	-18.56	-18.41	-0.58	1.61
126	12	102	3.10	3.28	-1.35	3.27	-1.34	-0.17	-2.16	-13.55	-13.42	-2.29	1.23
		108	3.61	9.74	-0.43	7.81	1.50	-3.98	-0.11	-14.47	-14.45	-0.13	0.59
		178	3.27	1.41	0.75	1.38	0.78	-0.14	-0.39	-13.74	-13.54	-0.59	1.61
		176	3.46	7.32	0.01	6.78	0.54	-1.90	-0.40	-14.05	-13.96	-0.49	1.07
126	17	102	2.89	2.69	-1.54	2.67	-1.53	-0.22	-1.27	-12.35	-12.20	-1.42	1.30
		108	2.97	8.60	-0.58	7.14	0.88	-3.36	-1.89	-12.57	-12.47	-1.99	0.99
		178	2.89	0.82	0.19	0.70	0.31	-0.25	-0.67	-12.32	-12.21	-0.78	1.12
		176	3.05	6.14	-0.13	5.81	0.20	-1.39	-0.71	-12.55	-12.45	-0.82	1.10

126	25	102	2.85	2.65	-1.52	2.64	-1.51	-0.21	-1.13	-12.11	-11.94	-1.29	1.33
		108	2.87	8.49	-0.57	7.05	0.87	-3.32	-1.68	-12.07	-11.97	-1.78	1.02
		178	2.81	0.81	0.19	0.68	0.31	-0.25	-0.64	-11.95	-11.84	-0.75	1.12
		176	2.99	6.05	-0.12	5.73	0.20	-1.37	-0.65	-12.26	-12.14	-0.76	1.14
126	42	102	3.07	3.62	-0.91	3.28	-0.57	1.19	-0.84	-12.92	-12.86	-0.90	0.82
		108	3.69	9.22	-0.18	7.30	1.74	-3.79	2.68	-13.27	-13.20	2.60	1.09
		178	3.32	0.96	-1.32	-0.98	0.63	-0.81	4.12	-11.20	-10.90	3.81	2.14
		176	3.31	4.14	0.76	4.14	0.76	0.02	0.01	-13.49	-13.29	-0.19	1.64
126	74	102	2.95	3.00	-1.11	2.95	-1.06	0.46	-1.00	-12.49	-12.39	-1.11	1.09
		108	3.23	8.83	-0.38	7.16	1.29	-3.54	0.38	-12.64	-12.56	0.30	1.05
		178	3.00	0.77	-0.41	-0.10	0.46	-0.51	1.61	-11.60	-11.40	1.42	1.60
		176	3.14	5.09	0.36	4.98	0.47	-0.71	-0.34	-12.85	-12.70	-0.49	1.38
127	2	108	4.80	1.79	-7.51	-4.30	-1.43	-4.43	-4.23	-21.55	-21.32	-4.47	1.99
		114	4.27	3.50	-0.30	1.57	1.62	-1.90	-3.67	-19.16	-18.67	-4.16	2.70
		179	4.28	2.34	-1.68	1.72	-1.06	-1.45	-1.04	-18.11	-17.80	-1.36	2.31
		178	4.56	8.00	0.63	7.99	0.64	0.26	-0.78	-18.74	-18.55	-0.97	1.85
127	10	108	3.60	1.35	-5.78	-3.32	-1.11	-3.39	-3.08	-16.14	-16.00	-3.22	1.36
		114	3.21	2.71	-0.22	1.21	1.28	-1.47	-2.75	-14.42	-14.11	-3.05	1.87
		179	3.22	1.74	-1.30	1.26	-0.82	-1.11	-0.81	-13.65	-13.45	-1.01	1.59
		178	3.43	6.11	0.50	6.10	0.50	0.18	-0.61	-14.12	-14.00	-0.73	1.25
127	17	108	3.02	1.38	-6.51	-3.81	-1.32	-3.74	-2.20	-13.33	-13.20	-2.32	1.19
		114	2.78	3.07	-0.22	1.31	1.54	-1.64	-2.05	-12.35	-12.13	-2.27	1.49
		179	2.78	1.68	-1.57	1.05	-0.94	-1.28	-0.67	-11.74	-11.57	-0.84	1.35
		178	2.96	6.54	0.59	6.54	0.59	0.11	-0.52	-12.09	-11.97	-0.64	1.19
127	25	108	2.91	1.36	-6.43	-3.76	-1.30	-3.69	-2.00	-12.80	-12.68	-2.12	1.16
		114	2.71	3.04	-0.22	1.30	1.52	-1.62	-1.88	-12.00	-11.79	-2.09	1.42
		179	2.71	1.65	-1.55	1.03	-0.93	-1.27	-0.64	-11.42	-11.26	-0.80	1.31
		178	2.88	6.46	0.58	6.46	0.58	0.10	-0.50	-11.75	-11.62	-0.63	1.18
127	42	108	3.62	1.74	-4.55	-2.86	0.05	-2.79	3.09	-13.24	-12.44	2.30	3.52
		114	3.47	4.37	0.69	2.14	2.92	-1.80	0.74	-13.90	-12.65	-0.51	4.09
		179	2.86	1.27	-1.05	-0.12	0.34	-1.14	1.48	-11.08	-10.57	0.98	2.47
		178	3.27	5.03	0.40	4.65	0.78	1.27	4.28	-10.69	-10.41	4.00	2.03
127	59	108	3.11	1.37	-4.83	-2.62	-0.84	-2.97	-1.48	-13.52	-13.31	-1.69	1.58
		114	2.95	2.92	0.47	1.90	1.49	-1.21	-1.63	-12.87	-12.55	-1.96	1.88
		179	2.88	1.73	-1.24	1.30	-0.80	-1.05	-0.46	-12.04	-11.82	-0.68	1.57
		178	3.06	6.14	0.50	6.09	0.55	0.52	-0.02	-12.31	-12.15	-0.18	1.41
128	2	114	4.20	1.50	-2.17	-1.24	0.58	-1.59	-3.49	-18.95	-18.48	-3.96	2.65
		120	3.36	1.21	-0.96	0.22	0.03	-1.08	-2.39	-14.97	-14.45	-2.90	2.49
		180	3.52	2.34	-0.28	1.96	0.09	-0.92	-1.23	-15.05	-14.67	-1.61	2.26
		179	4.27	3.79	-0.45	3.47	-0.13	-1.12	-1.11	-18.00	-17.66	-1.45	2.39
128	10	114	3.17	1.16	-1.65	-0.98	0.48	-1.20	-2.61	-14.27	-13.98	-2.90	1.83
		120	2.55	0.91	-0.71	0.18	0.02	-0.81	-1.83	-11.37	-11.04	-2.16	1.74
		180	2.66	1.76	-0.22	1.47	0.07	-0.70	-0.96	-11.41	-11.17	-1.19	1.56
		179	3.22	2.89	-0.34	2.64	-0.09	-0.86	-0.86	-13.57	-13.35	-1.07	1.64
128	17	114	2.77	1.29	-1.84	-1.17	0.63	-1.28	-1.92	-12.31	-12.08	-2.15	1.53
		120	2.30	0.94	-0.69	0.27	-0.02	-0.80	-1.45	-10.19	-9.90	-1.75	1.57
		180	2.38	1.77	-0.32	1.39	0.06	-0.81	-0.77	-10.15	-9.96	-0.97	1.34
		179	2.79	3.05	-0.41	2.75	-0.10	-0.99	-0.70	-11.68	-11.51	-0.88	1.39
128	25	114	2.70	1.28	-1.81	-1.16	0.62	-1.27	-1.76	-11.97	-11.75	-1.97	1.46
		120	2.28	0.93	-0.68	0.27	-0.02	-0.79	-1.37	-10.05	-9.77	-1.65	1.54
		180	2.35	1.75	-0.32	1.37	0.06	-0.80	-0.73	-10.00	-9.81	-0.92	1.30
		179	2.71	3.01	-0.40	2.71	-0.10	-0.97	-0.67	-11.38	-11.21	-0.83	1.33
128	42	114	3.33	2.05	-1.00	-0.82	1.87	0.72	0.50	-13.44	-12.58	-0.36	3.35
		120	2.80	0.29	-0.07	-0.05	0.27	-0.09	0.03	-11.65	-10.53	-1.08	3.43
		180	2.79	0.36	-0.36	0.11	-0.12	-0.34	0.40	-11.38	-10.64	-0.33	2.85
		179	3.26	2.16	0.78	1.76	1.18	0.63	1.40	-12.79	-12.19	0.79	2.86

128	74	114	2.98	1.26	-1.03	-0.99	1.22	-0.32	-0.72	-12.64	-12.15	-1.21	2.36
		120	2.51	0.58	-0.34	0.12	0.12	-0.46	-0.75	-10.77	-10.14	-1.38	2.44
		180	2.55	1.08	-0.33	0.78	-0.02	-0.58	-0.23	-10.63	-10.21	-0.64	2.04
		179	2.97	2.28	0.48	2.26	0.51	-0.21	0.29	-12.04	-11.68	-0.06	2.06
129	8	120	3.58	1.17	-0.36	0.25	0.56	-0.75	-0.76	-15.22	-14.05	-1.93	3.94
		126	2.96	1.54	-0.57	0.87	0.10	-0.98	-0.80	-12.57	-11.34	-2.04	3.60
		181	2.99	3.47	0.53	3.36	0.63	-0.55	-0.29	-12.32	-11.49	-1.12	3.05
		180	3.62	4.28	0.30	3.95	0.63	-1.10	6.90e-03	-14.72	-13.96	-0.75	3.26
129	16	120	2.68	0.89	-0.33	0.15	0.41	-0.60	-0.78	-11.50	-10.77	-1.51	2.70
		126	2.21	1.13	-0.42	0.62	0.09	-0.73	-0.80	-9.49	-8.72	-1.57	2.48
		181	2.24	2.48	0.35	2.38	0.44	-0.44	-0.36	-9.32	-8.81	-0.87	2.07
		180	2.72	3.09	0.17	2.83	0.43	-0.83	-0.15	-11.16	-10.69	-0.62	2.22
129	24	120	2.34	0.95	-0.69	-0.05	0.31	-0.80	-1.25	-10.30	-9.95	-1.60	1.74
		126	1.94	0.98	-0.40	0.40	0.18	-0.68	-1.19	-8.56	-8.18	-1.56	1.62
		181	1.98	1.70	-0.05	1.45	0.21	-0.61	-0.68	-8.43	-8.20	-0.91	1.31
		180	2.40	2.21	-0.18	1.86	0.17	-0.85	-0.58	-10.10	-9.87	-0.82	1.46
129	25	120	2.28	0.98	-0.80	-0.11	0.29	-0.87	-1.40	-10.10	-9.83	-1.67	1.52
		126	1.88	0.95	-0.40	0.35	0.20	-0.67	-1.29	-8.36	-8.06	-1.59	1.43
		181	1.92	1.54	-0.17	1.22	0.15	-0.66	-0.76	-8.24	-8.06	-0.94	1.13
		180	2.34	2.02	-0.28	1.64	0.11	-0.86	-0.71	-9.94	-9.75	-0.89	1.30
129	43	120	2.83	1.18	0.10	0.73	0.55	0.53	-0.22	-11.92	-10.87	-1.27	3.34
		126	2.48	1.22	0.23	1.09	0.36	-0.34	-0.22	-10.35	-9.15	-1.43	3.29
		181	2.43	0.49	-0.08	0.43	-0.02	-0.18	0.17	-9.98	-9.06	-0.75	2.91
		180	2.83	1.40	-0.09	1.11	0.19	0.59	0.37	-11.55	-10.72	-0.47	3.04
129	75	120	2.53	0.57	0.14	0.29	0.42	-0.20	-0.88	-10.93	-10.33	-1.48	2.38
		126	2.15	1.05	-0.06	0.70	0.28	-0.51	-0.83	-9.27	-8.58	-1.52	2.31
		181	2.14	1.04	-0.12	0.85	0.07	-0.43	-0.37	-9.02	-8.54	-0.85	1.98
		180	2.56	1.41	0.12	1.39	0.15	-0.17	-0.24	-10.67	-10.22	-0.69	2.13
130	8	126	2.96	1.68	-0.72	0.78	0.17	-1.16	-0.74	-12.57	-11.31	-2.00	3.64
		132	2.34	2.27	-1.25	1.02	-8.61e-03	-1.68	-0.86	-9.93	-8.55	-2.23	3.25
		182	2.31	3.33	0.15	2.90	0.58	-1.09	-0.56	-9.64	-8.83	-1.37	2.59
		181	3.00	4.06	-0.05	3.41	0.60	-1.50	-0.28	-12.30	-11.48	-1.10	3.04
130	16	126	2.22	1.23	-0.53	0.56	0.13	-0.85	-0.75	-9.49	-8.70	-1.55	2.51
		132	1.74	1.63	-0.89	0.74	2.62e-03	-1.20	-0.85	-7.48	-6.61	-1.72	2.24
		182	1.73	2.38	0.08	2.06	0.40	-0.80	-0.56	-7.27	-6.78	-1.05	1.75
		181	2.25	2.90	-0.06	2.43	0.42	-1.09	-0.35	-9.31	-8.80	-0.86	2.07
130	24	126	1.95	1.00	-0.49	0.33	0.17	-0.74	-1.17	-8.57	-8.18	-1.56	1.65
		132	1.52	1.12	-0.54	0.52	0.06	-0.80	-1.26	-6.78	-6.32	-1.71	1.51
		182	1.52	1.53	-0.16	1.22	0.15	-0.65	-0.83	-6.58	-6.37	-1.04	1.08
		181	1.98	1.89	-0.18	1.50	0.20	-0.80	-0.67	-8.42	-8.20	-0.90	1.31
130	25	126	1.89	0.95	-0.49	0.28	0.18	-0.72	-1.28	-8.38	-8.06	-1.59	1.45
		132	1.47	1.00	-0.46	0.47	0.08	-0.71	-1.37	-6.60	-6.23	-1.74	1.34
		182	1.47	1.33	-0.22	1.02	0.09	-0.62	-0.89	-6.41	-6.25	-1.05	0.92
		181	1.92	1.65	-0.22	1.28	0.15	-0.74	-0.75	-8.24	-8.06	-0.93	1.14
130	43	126	2.42	0.99	0.23	0.89	0.33	0.25	-0.14	-10.13	-8.89	-1.38	3.29
		132	2.03	1.29	-0.01	1.04	0.23	-0.51	-0.29	-8.48	-7.09	-1.68	3.08
		182	1.97	0.58	-0.08	0.48	0.02	-0.24	-0.06	-8.20	-7.26	-1.00	2.60
		181	2.42	1.12	-6.19e-03	1.02	0.09	0.32	0.17	-9.96	-9.04	-0.75	2.91
130	75	126	2.12	0.72	0.11	0.57	0.25	-0.26	-0.78	-9.17	-8.46	-1.49	2.33
		132	1.72	1.13	-0.23	0.74	0.15	-0.61	-0.89	-7.46	-6.64	-1.71	2.17
		182	1.69	0.98	-0.15	0.77	0.06	-0.44	-0.55	-7.22	-6.74	-1.02	1.72
		181	2.14	1.21	0.07	1.16	0.12	-0.24	-0.36	-9.01	-8.53	-0.84	1.98
131	8	132	2.34	2.33	-1.48	0.98	-0.13	-1.82	-0.78	-9.91	-8.51	-2.17	3.28
		138	1.76	3.15	-1.79	1.10	0.26	-2.43	-1.13	-7.53	-5.86	-2.80	2.81
		183	1.63	3.38	-0.39	2.28	0.71	-1.72	-1.14	-7.02	-6.32	-1.83	1.90
		182	2.34	4.14	-0.72	2.92	0.51	-2.11	-0.55	-9.65	-8.83	-1.37	2.61

131	16	132	1.74	1.67	-1.04	0.71	-0.08	-1.30	-0.79	-7.46	-6.58	-1.67	2.27
		138	1.29	2.23	-1.25	0.81	0.18	-1.71	-1.06	-5.63	-4.54	-2.15	1.94
		183	1.21	2.40	-0.29	1.62	0.48	-1.22	-0.98	-5.26	-4.85	-1.39	1.26
		182	1.74	2.93	-0.51	2.07	0.35	-1.49	-0.55	-7.28	-6.78	-1.05	1.76
131	24	132	1.52	1.12	-0.61	0.49	0.02	-0.83	-1.20	-6.76	-6.30	-1.67	1.54
		138	1.10	1.33	-0.66	0.59	0.08	-0.96	-1.51	-5.05	-4.43	-2.14	1.35
		183	1.05	1.40	-0.30	0.94	0.17	-0.76	-1.20	-4.75	-4.60	-1.35	0.71
		182	1.53	1.72	-0.34	1.25	0.13	-0.87	-0.82	-6.59	-6.37	-1.04	1.10
131	25	132	1.47	0.99	-0.51	0.43	0.04	-0.72	-1.31	-6.59	-6.20	-1.70	1.37
		138	1.06	1.12	-0.51	0.55	0.06	-0.78	-1.64	-4.91	-4.37	-2.18	1.21
		183	1.01	1.17	-0.30	0.78	0.09	-0.65	-1.27	-4.61	-4.51	-1.37	0.57
		182	1.47	1.43	-0.30	1.05	0.08	-0.72	-0.89	-6.42	-6.26	-1.06	0.94
131	43	132	1.96	0.90	0.14	0.88	0.16	-0.12	-0.24	-8.21	-6.84	-1.60	3.00
		138	1.57	1.41	-0.15	1.00	0.26	-0.68	-0.43	-6.63	-5.02	-2.04	2.72
		183	1.47	0.72	-0.09	0.41	0.23	-0.39	-0.33	-6.22	-5.36	-1.19	2.08
		182	1.94	0.97	0.15	0.97	0.15	-0.04	-0.05	-8.03	-7.10	-0.98	2.56
131	75	132	1.68	0.89	-0.14	0.65	0.10	-0.43	-0.84	-7.32	-6.51	-1.65	2.15
		138	1.29	1.25	-0.34	0.76	0.15	-0.73	-1.08	-5.71	-4.68	-2.11	1.93
		183	1.21	0.95	-0.20	0.60	0.15	-0.53	-0.87	-5.33	-4.92	-1.28	1.29
		182	1.68	1.16	-0.03	1.01	0.12	-0.39	-0.54	-7.14	-6.66	-1.02	1.71
132	8	138	1.74	3.35	-3.04	1.69	-1.38	-2.81	-0.94	-7.28	-5.58	-2.65	2.81
		144	1.45	6.77	-2.12	-0.48	5.13	-3.45	-2.19	-6.28	-4.09	-4.39	2.04
		184	1.10	2.95	0.25	1.51	1.69	-1.35	-2.15	-5.07	-4.65	-2.57	1.02
		183	1.64	4.65	-1.43	2.09	1.13	-3.01	-1.18	-7.01	-6.33	-1.86	1.87
132	14	138	1.18	0.36	-0.99	-0.28	-0.35	-0.68	-1.81	-5.55	-5.12	-2.24	1.20
		144	1.10	1.82	-1.94	-1.87	1.76	-0.49	-2.99	-5.27	-4.49	-3.77	1.08
		184	0.87	0.47	0.22	0.44	0.25	0.08	-1.93	-4.14	-4.13	-1.94	0.18
		183	1.22	0.53	-0.30	-0.05	0.27	-0.38	-1.42	-5.65	-5.57	-1.50	0.59
132	22	138	1.06	0.96	-0.76	0.43	-0.23	-0.80	-1.55	-4.88	-4.37	-2.06	1.20
		144	0.92	1.49	-0.52	-0.09	1.06	-0.82	-2.51	-4.30	-3.41	-3.39	0.89
		184	0.74	0.75	-0.04	0.44	0.27	-0.39	-1.88	-3.50	-3.49	-1.89	0.13
		183	1.06	1.13	-0.34	0.60	0.19	-0.71	-1.30	-4.85	-4.75	-1.40	0.57
132	25	138	1.02	1.13	-0.72	0.61	-0.20	-0.83	-1.50	-4.70	-4.15	-2.06	1.21
		144	0.89	1.58	-0.33	0.36	0.90	-0.91	-2.43	-4.12	-3.16	-3.38	0.84
		184	0.71	0.87	-0.16	0.45	0.27	-0.51	-1.90	-3.35	-3.34	-1.91	0.10
		183	1.01	1.32	-0.38	0.77	0.17	-0.79	-1.30	-4.62	-4.53	-1.40	0.56
132	43	138	1.51	1.31	-0.56	1.09	-0.34	-0.60	-0.25	-6.29	-4.65	-1.89	2.68
		144	1.31	2.53	0.09	0.52	2.10	-0.93	-1.44	-5.86	-3.67	-3.63	2.21
		184	1.03	0.88	0.13	0.17	0.84	-0.17	-1.43	-4.79	-4.02	-2.19	1.41
		183	1.41	1.19	0.01	0.81	0.40	-0.55	-0.40	-5.96	-5.18	-1.19	1.94
132	75	138	1.24	1.19	-0.62	0.84	-0.27	-0.72	-0.92	-5.44	-4.39	-1.98	1.91
		144	1.07	2.01	-0.10	0.44	1.47	-0.92	-1.96	-4.94	-3.41	-3.50	1.49
		184	0.83	0.79	0.07	0.32	0.54	-0.34	-1.77	-3.94	-3.67	-2.04	0.72
		183	1.18	1.26	-0.19	0.79	0.28	-0.68	-0.92	-5.21	-4.84	-1.30	1.22
133	1	107	2.44	0.96	-2.57	-1.57	-0.04	-1.59	-5.84	-11.69	-5.88	-11.65	-0.47
		24	1.65	3.16	0.02	0.98	2.19	-1.45	-3.08	-7.70	-3.08	-7.69	0.20
		164	0.72	0.26	-1.02	-0.93	0.17	-0.32	-1.58	-3.45	-1.70	-3.33	0.46
		177	0.70	2.27	0.51	1.87	0.91	-0.74	-1.55	-3.19	-2.88	-1.86	0.64
133	9	107	1.80	0.71	-1.80	-1.09	1.77e-03	-1.13	-4.38	-8.65	-4.42	-8.62	-0.39
		24	1.22	2.30	0.01	0.72	1.60	-1.06	-2.30	-5.69	-2.31	-5.68	0.11
		164	0.53	0.19	-0.70	-0.66	0.15	-0.20	-1.20	-2.53	-1.28	-2.46	0.30
		177	0.53	1.64	0.37	1.34	0.68	-0.54	-1.20	-2.40	-2.21	-1.38	0.43
133	17	107	1.58	0.58	-0.72	-0.37	0.22	-0.58	-3.85	-7.57	-3.86	-7.55	-0.21
		24	1.00	1.52	0.02	0.50	1.03	-0.70	-2.03	-4.70	-2.03	-4.70	0.09
		164	0.48	0.21	-0.27	-0.26	0.21	0.04	-1.09	-2.27	-1.19	-2.18	0.33
		177	0.54	1.02	0.25	0.75	0.52	-0.36	-1.06	-2.51	-2.33	-1.24	0.48

133	25	107	1.53	0.57	-0.71	-0.36	0.22	-0.57	-3.72	-7.36	-3.74	-7.34	-0.21
		24	0.96	1.49	0.02	0.49	1.02	-0.69	-1.97	-4.54	-1.97	-4.54	0.07
		164	0.46	0.21	-0.26	-0.26	0.20	0.04	-1.06	-2.21	-1.16	-2.12	0.32
		177	0.54	1.00	0.25	0.74	0.51	-0.36	-1.03	-2.48	-2.30	-1.21	0.48
133	50	107	1.69	0.97	0.14	0.14	0.97	0.06	-3.55	-8.02	-3.60	-7.97	0.46
		24	1.16	2.89	0.67	1.10	2.45	-0.88	-1.67	-5.23	-1.79	-5.11	0.64
		164	0.74	1.43	-1.13	-0.83	1.13	0.82	-0.90	-3.40	-1.55	-2.75	1.09
		177	0.86	1.52	0.39	0.50	1.41	-0.32	-1.23	-3.96	-2.73	-2.46	1.36
133	82	107	1.60	0.67	-0.21	-0.12	0.58	-0.27	-3.67	-7.65	-3.67	-7.65	0.11
		24	1.05	2.13	0.34	0.78	1.69	-0.77	-1.85	-4.85	-1.89	-4.81	0.34
		164	0.58	0.78	-0.66	-0.53	0.65	0.41	-1.01	-2.76	-1.34	-2.42	0.69
		177	0.67	1.16	0.40	0.62	0.94	-0.34	-1.19	-3.12	-2.51	-1.80	0.90
134	3	23	1.58	0.02	-0.23	0.02	-0.22	0.04	-3.72	-7.58	-3.73	-7.57	0.17
		153	2.75	0.28	-1.80	-0.93	-0.59	1.03	-7.08	-13.15	-7.22	-13.01	0.89
		185	0.90	0.92	-0.44	0.91	-0.42	-0.15	-1.47	-4.20	-4.17	-1.51	-0.32
		163	0.71	0.51	-1.15	0.03	-0.67	0.75	-2.07	-3.35	-2.12	-3.29	-0.26
134	11	23	1.16	0.19	-0.09	0.09	0.02	0.14	-2.74	-5.59	-2.74	-5.59	0.15
		153	2.02	0.26	-1.31	-0.68	-0.37	0.77	-5.21	-9.66	-5.32	-9.56	0.67
		185	0.67	0.72	-0.21	0.71	-0.21	-0.05	-1.11	-3.11	-3.09	-1.13	-0.22
		163	0.52	0.31	-0.75	-0.02	-0.42	0.49	-1.53	-2.46	-1.57	-2.43	-0.17
134	17	23	0.98	2.07	0.03	0.65	1.44	0.94	-2.44	-4.59	-2.44	-4.59	0.08
		153	1.75	0.63	-1.07	-0.57	0.13	0.77	-4.56	-8.40	-4.60	-8.36	0.39
		185	0.69	1.34	0.29	1.00	0.63	0.49	-0.85	-3.13	-3.01	-0.96	-0.50
		163	0.48	0.27	-0.39	-0.38	0.26	-0.04	-1.32	-2.28	-1.45	-2.15	-0.33
134	25	23	0.94	2.05	0.03	0.65	1.43	0.93	-2.37	-4.41	-2.38	-4.40	0.11
		153	1.70	0.62	-1.06	-0.56	0.13	0.77	-4.42	-8.16	-4.46	-8.12	0.39
		185	0.69	1.33	0.29	0.99	0.63	0.49	-0.82	-3.10	-2.99	-0.93	-0.50
		163	0.46	0.26	-0.38	-0.38	0.26	-0.04	-1.30	-2.21	-1.42	-2.09	-0.32
134	42	23	1.10	3.28	0.50	1.09	2.68	1.14	-2.19	-5.04	-2.24	-4.99	-0.37
		153	1.85	0.86	-0.21	-0.14	0.78	0.27	-4.29	-8.81	-4.29	-8.81	-0.17
		185	0.92	1.73	0.43	0.72	1.43	0.54	-1.37	-4.22	-3.43	-2.16	-1.27
		163	0.72	1.29	-1.04	-0.82	1.08	-0.68	-1.17	-3.37	-1.82	-2.72	-1.01
134	74	23	1.01	2.63	0.26	0.86	2.03	1.03	-2.31	-4.69	-2.31	-4.68	-0.12
		153	1.76	0.71	-0.62	-0.36	0.44	0.53	-4.38	-8.45	-4.38	-8.45	0.12
		185	0.78	1.46	0.41	0.86	1.01	0.52	-1.15	-3.56	-3.20	-1.52	-0.87
		163	0.57	0.74	-0.68	-0.59	0.65	-0.35	-1.25	-2.75	-1.61	-2.39	-0.64
135	5	185	1.07	0.36	-0.27	-0.27	0.36	0.03	-2.48	-5.14	-5.08	-2.54	-0.40
		165	1.55	0.63	-0.04	0.17	0.42	0.31	-2.09	-7.22	-7.22	-2.09	-0.05
		189	1.62	0.64	0.02	0.62	0.03	-0.09	0.08	-6.64	-6.63	0.07	0.30
		186	1.02	0.94	-0.01	0.85	0.08	-0.28	0.10	-4.13	-4.08	0.05	0.42
135	13	185	0.78	0.29	-0.15	-0.14	0.28	0.07	-1.89	-3.74	-3.71	-1.92	-0.22
		165	1.13	0.52	-0.05	0.17	0.31	0.27	-1.58	-5.27	-5.27	-1.58	0.03
		189	1.18	0.46	0.02	0.45	0.03	-0.05	0.06	-4.85	-4.84	0.05	0.25
		186	0.74	0.63	-8.95e-03	0.57	0.06	-0.19	0.08	-3.02	-2.98	0.04	0.34
135	21	185	0.68	0.68	-0.05	0.31	0.32	0.36	-1.85	-3.25	-3.25	-1.86	-0.06
		165	1.00	0.85	-0.19	0.42	0.24	0.51	-1.52	-4.67	-4.67	-1.52	0.10
		189	1.06	0.39	0.03	0.37	0.05	0.07	0.06	-4.36	-4.34	0.04	0.27
		186	0.66	0.17	-0.02	0.10	0.04	-0.09	0.08	-2.69	-2.64	0.03	0.35
135	25	185	0.67	0.81	-0.06	0.42	0.33	0.43	-1.88	-3.15	-3.15	-1.88	-0.01
		165	0.96	0.95	-0.23	0.48	0.23	0.57	-1.53	-4.52	-4.51	-1.54	0.13
		189	1.03	0.38	0.02	0.35	0.05	0.11	0.06	-4.22	-4.20	0.04	0.27
		186	0.64	0.08	-0.06	-0.01	0.04	-0.07	0.08	-2.61	-2.56	0.03	0.36
135	50	185	0.80	1.04	0.09	0.40	0.74	0.44	-1.68	-3.77	-3.57	-1.87	-0.61
		165	1.09	1.30	-0.12	0.61	0.57	0.71	-1.52	-5.03	-4.96	-1.59	-0.49
		189	1.17	0.38	0.06	0.27	0.16	-0.15	-0.09	-4.89	-4.86	-0.12	-0.41
		186	0.78	0.42	-0.64	-0.41	0.20	-0.44	-0.07	-3.22	-3.20	-0.09	-0.28

135	82	185	0.72	0.91	0.02	0.41	0.52	0.44	-1.82	-3.41	-3.35	-1.87	-0.30
		165	1.01	1.11	-0.18	0.55	0.39	0.64	-1.55	-4.74	-4.73	-1.56	-0.17
		189	1.08	0.32	0.10	0.32	0.11	-0.02	-0.04	-4.52	-4.52	-0.04	-0.05
		186	0.69	0.25	-0.33	-0.20	0.11	-0.24	-0.03	-2.86	-2.86	-0.03	0.06
136	5	165	1.54	0.55	-0.16	-2.59e-03	0.39	0.30	-2.10	-7.21	-7.21	-2.10	-0.10
		166	2.32	0.80	-0.49	0.31	9.70e-03	0.63	-1.47	-10.29	-10.29	-1.47	-0.18
		190	2.50	1.34	0.01	1.34	0.02	-0.06	0.01	-10.28	-10.28	0.01	0.16
		189	1.66	1.09	0.04	1.05	0.08	-0.18	0.14	-6.75	-6.72	0.10	0.46
136	13	165	1.12	0.47	-0.12	0.06	0.29	0.27	-1.59	-5.26	-5.26	-1.59	-2.42e-03
		166	1.69	0.68	-0.37	0.31	9.67e-04	0.50	-1.13	-7.51	-7.51	-1.13	-0.09
		190	1.83	1.02	0.02	1.01	0.02	-0.02	0.01	-7.52	-7.52	0.01	0.14
		189	1.21	0.76	0.03	0.74	0.05	-0.13	0.10	-4.94	-4.91	0.08	0.36
136	21	165	0.99	0.93	-0.22	0.45	0.26	0.57	-1.52	-4.62	-4.62	-1.52	0.06
		166	1.56	1.16	-0.43	0.77	-0.04	0.68	-1.05	-6.88	-6.88	-1.06	-0.12
		190	1.68	1.07	0.06	1.07	0.06	0.08	9.30e-03	-6.92	-6.91	6.44e-03	0.14
		189	1.08	0.40	0.02	0.40	0.02	-0.04	0.09	-4.44	-4.41	0.06	0.37
136	25	165	0.95	1.06	-0.26	0.55	0.25	0.64	-1.53	-4.46	-4.46	-1.54	0.10
		166	1.51	1.29	-0.45	0.89	-0.05	0.73	-1.06	-6.67	-6.67	-1.06	-0.11
		190	1.63	1.09	0.06	1.08	0.07	0.11	7.20e-03	-6.72	-6.72	4.13e-03	0.14
		189	1.05	0.31	0.01	0.31	0.01	-0.02	0.09	-4.30	-4.27	0.06	0.38
136	50	165	1.08	1.22	-0.38	0.24	0.60	0.78	-1.45	-5.02	-4.88	-1.59	-0.68
		166	1.68	1.49	-0.42	0.95	0.12	0.85	-0.80	-7.26	-7.12	-0.94	-0.95
		190	1.83	1.28	0.16	1.18	0.25	-0.31	0.19	-7.45	-7.39	0.13	-0.68
		189	1.19	0.15	-0.71	-0.44	-0.12	-0.40	-0.07	-4.95	-4.93	-0.10	-0.37
136	82	165	1.00	1.12	-0.30	0.41	0.42	0.71	-1.54	-4.69	-4.66	-1.56	-0.27
		166	1.58	1.39	-0.43	0.93	0.03	0.79	-0.96	-6.93	-6.89	-1.00	-0.51
		190	1.72	1.15	0.15	1.14	0.16	-0.09	0.07	-7.05	-7.04	0.06	-0.25
		189	1.10	0.15	-0.25	-0.04	-0.05	-0.20	-0.02	-4.58	-4.58	-0.02	0.02
137	5	166	2.32	0.80	-0.30	0.46	0.04	0.51	-1.44	-10.28	-10.27	-1.45	-0.31
		167	3.19	1.11	-0.23	0.79	0.08	0.57	-1.01	-13.70	-13.69	-1.02	-0.38
		191	3.29	2.06	0.01	2.06	0.01	-0.08	-0.01	-13.53	-13.53	-0.01	0.09
		190	2.48	1.73	0.09	1.71	0.12	-0.20	8.54e-03	-10.19	-10.18	-3.47e-03	0.35
137	13	166	1.69	0.67	-0.24	0.40	0.02	0.42	-1.11	-7.51	-7.50	-1.11	-0.18
		167	2.33	0.89	-0.18	0.66	0.05	0.44	-0.79	-10.03	-10.02	-0.79	-0.27
		191	2.41	1.58	0.01	1.58	0.02	-0.04	-5.62e-03	-9.91	-9.91	-6.09e-03	0.07
		190	1.81	1.28	0.07	1.27	0.09	-0.14	9.31e-03	-7.45	-7.44	-6.84e-04	0.27
137	21	166	1.56	1.12	-0.35	0.80	-0.03	0.60	-1.03	-6.90	-6.89	-1.04	-0.20
		167	2.21	1.27	-0.22	1.05	-2.52e-03	0.52	-0.72	-9.46	-9.46	-0.73	-0.27
		191	2.27	1.75	0.04	1.75	0.04	0.06	5.00e-04	-9.33	-9.33	-8.53e-05	0.07
		190	1.67	1.14	0.07	1.13	0.07	-0.03	3.91e-03	-6.87	-6.86	-6.38e-03	0.27
137	25	166	1.52	1.23	-0.38	0.90	-0.05	0.65	-1.03	-6.69	-6.68	-1.04	-0.19
		167	2.16	1.37	-0.24	1.16	-0.02	0.55	-0.72	-9.25	-9.24	-0.73	-0.27
		191	2.22	1.80	0.05	1.80	0.05	0.08	-5.50e-04	-9.12	-9.12	-1.16e-03	0.07
		190	1.62	1.10	0.07	1.10	0.07	3.47e-03	1.99e-03	-6.67	-6.66	-8.92e-03	0.27
137	34	166	1.74	1.39	-0.32	1.13	-0.05	0.62	-0.95	-7.59	-7.54	-1.00	-0.57
		167	2.38	1.59	-0.12	1.46	7.00e-03	0.44	-0.62	-10.10	-10.05	-0.67	-0.67
		191	2.45	2.25	0.12	2.24	0.13	-0.16	0.08	-9.98	-9.97	0.07	-0.30
		190	1.84	1.34	0.06	1.31	0.09	-0.21	0.06	-7.55	-7.55	0.05	-0.09
137	66	166	1.63	1.31	-0.35	1.02	-0.05	0.64	-1.00	-7.12	-7.10	-1.02	-0.37
		167	2.27	1.48	-0.17	1.31	-5.81e-03	0.50	-0.67	-9.66	-9.64	-0.70	-0.46
		191	2.33	2.02	0.09	2.02	0.09	-0.03	0.04	-9.53	-9.53	0.04	-0.11
		190	1.73	1.22	0.07	1.21	0.08	-0.10	0.02	-7.09	-7.09	0.02	0.10
138	8	167	3.13	3.85	-0.63	3.20	0.03	1.58	-0.71	-13.07	-12.90	-0.88	-1.46
		168	4.06	4.29	-0.29	3.89	0.10	1.29	-0.56	-16.86	-16.72	-0.70	-1.49
		192	4.12	8.13	0.44	8.09	0.47	0.50	0.03	-16.50	-16.49	0.02	-0.31
		191	3.22	6.49	0.48	6.48	0.50	-0.31	5.56e-03	-12.91	-12.91	3.24e-03	-0.17

138	16	167	2.29	2.72	-0.44	2.26	0.02	1.11	-0.60	-9.60	-9.49	-0.71	-0.99
		168	2.97	3.04	-0.21	2.75	0.08	0.92	-0.48	-12.38	-12.29	-0.57	-1.04
		192	3.02	5.69	0.30	5.67	0.32	0.34	0.02	-12.13	-12.13	0.02	-0.21
		191	2.37	4.53	0.33	4.52	0.34	-0.21	5.04e-03	-9.50	-9.50	4.10e-03	-0.09
138	24	167	2.20	1.63	-0.24	1.38	0.01	0.63	-0.69	-9.38	-9.36	-0.72	-0.44
		168	2.83	1.90	-0.14	1.69	0.07	0.61	-0.57	-11.94	-11.93	-0.58	-0.34
		192	2.86	3.01	0.09	3.00	0.10	0.13	7.08e-03	-11.69	-11.69	7.05e-03	0.02
		191	2.27	2.31	0.11	2.31	0.11	-0.06	1.08e-03	-9.26	-9.26	-4.16e-04	0.12
138	25	167	2.17	1.37	-0.19	1.17	7.86e-03	0.52	-0.72	-9.27	-9.26	-0.73	-0.30
		168	2.79	1.63	-0.12	1.44	0.07	0.54	-0.60	-11.79	-11.79	-0.60	-0.17
		192	2.81	2.36	0.04	2.36	0.04	0.07	2.67e-03	-11.53	-11.53	2.21e-03	0.07
		191	2.23	1.78	0.05	1.78	0.05	-0.02	-6.26e-04	-9.13	-9.13	-3.94e-03	0.17
138	35	167	2.46	1.64	-0.11	1.48	0.05	0.50	-0.68	-10.43	-10.38	-0.74	-0.72
		168	3.07	1.89	0.04	1.82	0.11	0.36	-0.51	-12.89	-12.86	-0.54	-0.62
		192	3.09	2.69	0.09	2.67	0.11	-0.20	0.06	-12.65	-12.64	0.05	-0.35
		191	2.51	1.95	0.04	1.93	0.06	-0.19	6.89e-03	-10.30	-10.29	2.07e-03	-0.22
138	67	167	2.31	1.50	-0.15	1.33	0.03	0.51	-0.71	-9.83	-9.80	-0.74	-0.50
		168	2.93	1.75	-0.04	1.63	0.09	0.45	-0.56	-12.33	-12.31	-0.57	-0.38
		192	2.95	2.52	0.08	2.52	0.08	-0.06	0.03	-12.07	-12.07	0.03	-0.13
		191	2.36	1.87	0.05	1.86	0.06	-0.10	-1.02e-03	-9.70	-9.70	-1.04e-03	-0.02
139	6	184	1.19	0.58	0.01	0.10	0.49	-0.20	-2.22	-5.66	-5.60	-2.27	0.43
		177	0.90	0.35	-0.41	-0.39	0.33	0.13	-2.39	-4.31	-4.10	-2.61	0.60
		201	0.82	0.97	-0.04	0.87	0.05	0.30	0.11	-3.29	-3.27	0.10	-0.23
		208	1.27	0.53	-0.05	0.49	-8.13e-03	0.14	0.13	-5.17	-5.17	0.13	-0.06
139	14	184	0.88	0.47	7.11e-03	0.12	0.36	-0.20	-1.70	-4.20	-4.18	-1.72	0.22
		177	0.66	0.26	-0.22	-0.22	0.26	0.04	-1.86	-3.16	-3.05	-1.96	0.35
		201	0.61	0.64	-0.03	0.57	0.04	0.21	0.08	-2.44	-2.42	0.06	-0.21
		208	0.94	0.37	-0.02	0.35	-1.14e-04	0.08	0.09	-3.86	-3.86	0.09	-0.08
139	22	184	0.74	0.75	-0.12	0.35	0.29	-0.43	-1.66	-3.53	-3.53	-1.66	0.12
		177	0.57	0.50	-8.66e-03	0.21	0.29	-0.25	-1.87	-2.62	-2.58	-1.92	0.17
		201	0.51	0.14	-0.04	0.07	0.03	0.09	0.09	-2.08	-2.06	0.06	-0.23
		208	0.81	0.25	0.01	0.24	0.02	-0.05	0.09	-3.30	-3.29	0.08	-0.11
139	25	184	0.71	0.84	-0.16	0.41	0.27	-0.50	-1.67	-3.37	-3.37	-1.68	0.08
		177	0.55	0.64	-0.02	0.31	0.30	-0.33	-1.91	-2.51	-2.48	-1.93	0.12
		201	0.49	0.05	-0.09	-0.06	0.02	0.06	0.09	-2.00	-1.97	0.06	-0.24
		208	0.77	0.25	-6.52e-03	0.21	0.03	-0.09	0.08	-3.16	-3.15	0.08	-0.12
139	43	184	0.90	1.21	-0.10	0.50	0.61	-0.65	-1.45	-4.20	-3.89	-1.76	0.87
		177	0.73	0.87	0.08	0.26	0.69	-0.33	-1.48	-3.46	-2.97	-1.97	0.86
		201	0.71	0.40	-0.67	-0.41	0.14	0.46	-0.02	-2.90	-2.79	-0.13	0.54
		208	0.99	0.33	-0.01	0.18	0.14	0.17	-2.70e-03	-4.12	-3.99	-0.13	0.72
139	75	184	0.79	1.02	-0.13	0.46	0.43	-0.57	-1.61	-3.72	-3.62	-1.72	0.46
		177	0.62	0.73	0.04	0.29	0.49	-0.33	-1.72	-2.94	-2.71	-1.95	0.47
		201	0.57	0.22	-0.37	-0.22	0.08	0.25	-0.02	-2.37	-2.36	-0.03	0.13
		208	0.86	0.21	0.07	0.20	0.08	0.03	1.61e-03	-3.57	-3.55	-0.02	0.28
140	8	168	4.08	4.13	-0.15	3.93	0.05	0.92	-0.56	-16.95	-16.80	-0.71	-1.54
		169	4.90	4.35	0.09	4.24	0.20	0.68	-0.52	-20.32	-20.26	-0.58	-1.09
		193	4.90	9.01	0.42	8.99	0.44	0.48	0.05	-19.64	-19.64	0.05	-0.23
		192	4.13	8.06	0.48	8.04	0.50	-0.36	0.02	-16.56	-16.56	0.02	-0.22
140	16	168	2.99	2.93	-0.11	2.78	0.04	0.67	-0.48	-12.44	-12.35	-0.57	-1.07
		169	3.59	3.10	0.06	3.01	0.15	0.52	-0.45	-14.93	-14.89	-0.49	-0.77
		193	3.60	6.35	0.28	6.33	0.30	0.33	0.04	-14.46	-14.46	0.04	-0.16
		192	3.03	5.64	0.33	5.63	0.34	-0.24	0.02	-12.17	-12.17	0.02	-0.13
140	24	168	2.85	1.86	-0.10	1.71	0.06	0.53	-0.57	-11.98	-11.97	-0.58	-0.38
		169	3.39	2.08	-0.05	1.91	0.12	0.58	-0.53	-14.23	-14.23	-0.53	-4.40e-03
		193	3.38	3.65	0.08	3.64	0.09	0.14	0.02	-13.77	-13.77	0.02	0.09
		192	2.87	2.98	0.10	2.98	0.11	-0.06	8.54e-03	-11.72	-11.72	7.37e-03	0.12

140	25	168	2.80	1.61	-0.10	1.45	0.06	0.50	-0.59	-11.83	-11.83	-0.60	-0.22
		169	3.34	1.85	-0.09	1.65	0.12	0.60	-0.55	-14.06	-14.06	-0.55	0.17
		193	3.33	3.00	0.03	2.99	0.04	0.10	0.01	-13.60	-13.60	0.01	0.14
		192	2.82	2.34	0.05	2.34	0.05	-0.01	5.27e-03	-11.56	-11.56	2.42e-03	0.18
140	34	168	3.14	1.94	-0.10	1.76	0.08	0.58	-0.57	-13.23	-13.19	-0.61	-0.69
		169	3.67	2.06	0.10	2.01	0.15	0.33	-0.51	-15.37	-15.37	-0.51	-0.31
		193	3.65	3.12	-7.61e-03	3.11	9.61e-03	-0.23	0.06	-14.92	-14.92	0.05	-0.31
		192	3.15	2.37	0.02	2.36	0.02	-0.06	1.99e-03	-12.93	-12.93	-3.49e-03	-0.27
140	67	168	2.97	1.74	-0.06	1.61	0.07	0.47	-0.58	-12.51	-12.49	-0.60	-0.44
		169	3.50	1.95	0.02	1.83	0.14	0.46	-0.53	-14.70	-14.70	-0.53	-0.05
		193	3.48	3.06	0.02	3.06	0.02	-0.06	0.03	-14.24	-14.24	0.03	-0.06
		192	2.98	2.36	0.03	2.36	0.04	-0.04	-4.38e-05	-12.22	-12.22	-1.02e-04	-0.03
141	8	169	4.91	4.26	0.17	4.22	0.21	0.38	-0.52	-20.38	-20.32	-0.59	-1.10
		170	5.40	4.47	0.15	4.44	0.18	0.36	-0.48	-22.38	-22.37	-0.49	-0.27
		194	5.38	9.35	0.44	9.34	0.46	0.40	0.07	-21.64	-21.64	0.07	-0.04
		193	4.91	8.97	0.42	8.95	0.44	-0.38	0.05	-19.69	-19.69	0.05	-0.13
141	13	169	3.57	1.71	-0.06	1.51	0.14	0.56	-0.64	-15.06	-15.06	-0.64	0.08
		170	3.96	1.98	-0.21	1.72	0.04	0.70	-0.75	-16.72	-16.70	-0.77	0.56
		194	3.98	3.64	0.03	3.64	0.03	-4.17e-03	0.03	-16.26	-16.26	0.03	0.19
		193	3.57	3.01	0.05	3.01	0.05	-0.10	0.01	-14.62	-14.61	6.33e-03	0.24
141	21	169	3.40	1.81	-0.05	1.62	0.14	0.56	-0.55	-14.29	-14.29	-0.55	0.15
		170	3.73	2.07	-0.20	1.82	0.06	0.72	-0.61	-15.71	-15.68	-0.64	0.68
		194	3.73	3.74	0.04	3.74	0.04	0.08	0.03	-15.22	-15.22	0.03	0.24
		193	3.38	2.98	0.03	2.98	0.03	-0.01	0.02	-13.83	-13.83	0.01	0.25
141	25	169	3.35	1.84	-0.05	1.65	0.14	0.57	-0.55	-14.09	-14.09	-0.55	0.16
		170	3.69	2.12	-0.20	1.85	0.06	0.74	-0.61	-15.52	-15.49	-0.64	0.69
		194	3.69	3.80	0.05	3.80	0.05	0.10	0.03	-15.03	-15.02	0.03	0.24
		193	3.33	2.99	0.02	2.99	0.02	0.01	0.02	-13.63	-13.62	0.01	0.25
141	34	169	3.71	2.12	-0.03	1.93	0.16	0.62	-0.54	-15.58	-15.57	-0.55	-0.31
		170	4.03	2.24	0.10	2.20	0.15	0.31	-0.59	-16.92	-16.92	-0.60	0.23
		194	4.02	3.63	-0.03	3.60	5.94e-04	-0.32	0.07	-16.43	-16.43	0.07	-0.19
		193	3.68	2.74	-0.08	2.74	-0.08	-0.06	0.02	-15.07	-15.07	0.02	-0.19
141	66	169	3.53	1.98	-0.04	1.79	0.15	0.59	-0.55	-14.81	-14.81	-0.55	-0.07
		170	3.86	2.16	-0.04	2.02	0.10	0.53	-0.60	-16.20	-16.18	-0.62	0.47
		194	3.85	3.72	0.02	3.71	0.03	-0.10	0.05	-15.71	-15.71	0.05	0.03
		193	3.50	2.88	-0.03	2.88	-0.02	-0.03	0.02	-14.33	-14.33	0.02	0.04
142	1	170	5.33	2.91	-0.15	2.61	0.14	0.91	-1.14	-22.55	-22.53	-1.16	0.68
		171	5.78	3.34	-0.50	3.03	-0.19	1.04	-1.26	-24.45	-24.38	-1.33	1.24
		195	5.82	6.35	0.07	6.35	0.08	-0.07	0.10	-23.65	-23.64	0.10	0.46
		194	5.39	5.39	0.03	5.39	0.03	-0.04	0.04	-22.01	-22.00	0.03	0.48
142	9	170	3.92	2.17	-0.11	1.95	0.11	0.68	-0.88	-16.62	-16.61	-0.89	0.41
		171	4.26	2.50	-0.37	2.26	-0.14	0.79	-0.97	-18.03	-18.00	-1.00	0.79
		195	4.30	4.76	0.06	4.76	0.06	-0.05	0.08	-17.47	-17.47	0.07	0.30
		194	3.98	4.02	0.02	4.02	0.02	-0.03	0.03	-16.24	-16.23	0.03	0.33
142	17	170	3.70	2.13	-0.10	1.90	0.12	0.67	-0.68	-15.60	-15.58	-0.70	0.60
		171	3.90	2.49	-0.40	2.22	-0.13	0.84	-0.72	-16.41	-16.34	-0.79	1.02
		195	3.92	4.69	0.07	4.69	0.07	-9.72e-04	0.06	-15.90	-15.89	0.05	0.34
		194	3.72	3.85	-8.41e-04	3.85	-3.54e-04	0.04	0.04	-15.17	-15.16	0.03	0.35
142	25	170	3.68	2.10	-0.10	1.88	0.12	0.66	-0.63	-15.49	-15.46	-0.66	0.64
		171	3.84	2.45	-0.39	2.19	-0.13	0.82	-0.67	-16.14	-16.06	-0.74	1.07
		195	3.85	4.63	0.07	4.63	0.07	-7.45e-04	0.05	-15.64	-15.63	0.04	0.35
		194	3.69	3.80	-4.64e-04	3.80	1.01e-05	0.04	0.04	-15.04	-15.04	0.03	0.36
142	35	170	4.03	2.21	-0.02	2.03	0.17	0.62	-0.59	-16.92	-16.91	-0.60	0.24
		171	4.18	2.41	0.13	2.39	0.15	0.21	-0.57	-17.52	-17.50	-0.60	0.68
		195	4.23	4.04	0.09	3.99	0.14	-0.46	0.20	-17.18	-17.18	0.20	0.02
		194	4.05	3.13	-0.14	3.13	-0.14	-0.05	0.10	-16.58	-16.58	0.10	-3.66e-03

142	67	170	3.85	2.16	-0.06	1.96	0.14	0.64	-0.62	-16.19	-16.17	-0.63	0.45
		171	4.01	2.41	-0.11	2.30	7.83e-03	0.53	-0.63	-16.81	-16.76	-0.67	0.88
		195	4.03	4.34	0.09	4.33	0.10	-0.22	0.12	-16.39	-16.39	0.12	0.19
		194	3.87	3.49	-0.07	3.49	-0.07	-5.17e-03	0.06	-15.79	-15.79	0.06	0.18
143	1	171	5.81	3.80	-0.29	3.63	-0.13	0.81	-1.24	-24.52	-24.47	-1.29	1.15
		172	5.95	3.86	-0.20	3.67	-0.02	0.84	-1.10	-25.05	-24.86	-1.29	2.14
		196	5.83	7.01	0.04	7.01	0.04	-0.17	0.10	-23.67	-23.65	0.08	0.65
		195	5.81	6.28	0.07	6.28	0.08	-0.13	0.10	-23.63	-23.61	0.08	0.64
143	9	171	4.29	2.85	-0.22	2.72	-0.09	0.61	-0.95	-18.09	-18.06	-0.98	0.73
		172	4.39	2.90	-0.15	2.75	-9.55e-03	0.64	-0.85	-18.50	-18.39	-0.96	1.43
		196	4.32	5.25	0.03	5.25	0.03	-0.12	0.07	-17.54	-17.53	0.06	0.43
		195	4.29	4.68	0.05	4.68	0.06	-0.09	0.07	-17.45	-17.44	0.06	0.43
143	17	171	3.91	2.82	-0.23	2.68	-0.10	0.64	-0.72	-16.42	-16.36	-0.78	0.97
		172	3.92	2.86	-0.17	2.70	-0.01	0.68	-0.65	-16.44	-16.30	-0.79	1.47
		196	3.88	5.14	0.04	5.14	0.04	-0.07	0.04	-15.73	-15.72	0.03	0.45
		195	3.90	4.47	0.05	4.47	0.05	-0.02	0.05	-15.86	-15.85	0.04	0.45
143	25	171	3.85	2.78	-0.23	2.64	-0.09	0.63	-0.66	-16.14	-16.07	-0.73	1.02
		172	3.83	2.82	-0.17	2.67	-0.01	0.67	-0.61	-16.04	-15.90	-0.75	1.47
		196	3.80	5.07	0.04	5.07	0.04	-0.07	0.04	-15.40	-15.39	0.02	0.44
		195	3.84	4.41	0.05	4.41	0.05	-0.02	0.05	-15.60	-15.59	0.04	0.45
143	39	171	4.22	3.23	-0.36	3.22	-0.35	0.20	-0.98	-17.76	-17.70	-1.04	0.99
		172	4.05	3.41	-0.45	3.25	-0.29	0.77	-0.83	-17.02	-16.90	-0.95	1.42
		196	4.21	6.67	0.13	6.67	0.13	0.19	-0.17	-17.06	-17.05	-0.19	0.51
		195	4.23	6.20	0.11	6.18	0.12	-0.27	-0.26	-17.26	-17.24	-0.28	0.52
143	71	171	4.03	2.97	-0.27	2.92	-0.21	0.42	-0.81	-16.93	-16.86	-0.88	1.01
		172	3.94	3.10	-0.30	2.94	-0.14	0.71	-0.71	-16.53	-16.39	-0.84	1.45
		196	4.00	5.83	0.08	5.83	0.08	0.06	-0.06	-16.21	-16.19	-0.08	0.47
		195	4.03	5.26	0.08	5.26	0.08	-0.14	-0.10	-16.41	-16.39	-0.11	0.48
144	1	172	5.98	4.87	0.08	4.73	0.23	0.81	-1.09	-25.08	-24.87	-1.30	2.21
		173	5.43	5.42	-0.22	5.31	-0.11	0.77	-1.01	-22.72	-22.31	-1.42	2.94
		197	5.45	7.35	0.07	7.35	0.08	-0.03	0.06	-22.07	-22.05	0.04	0.73
		196	5.86	6.70	0.05	6.69	0.06	-0.25	0.14	-23.81	-23.78	0.11	0.85
144	9	172	4.41	3.67	0.07	3.56	0.17	0.62	-0.85	-18.52	-18.39	-0.97	1.48
		173	4.04	4.09	-0.16	4.00	-0.08	0.60	-0.80	-16.91	-16.66	-1.05	1.98
		197	4.07	5.50	0.06	5.50	0.06	-0.01	0.04	-16.48	-16.46	0.03	0.48
		196	4.34	4.99	0.04	4.98	0.04	-0.19	0.10	-17.64	-17.62	0.08	0.58
144	17	172	3.93	3.68	0.05	3.55	0.18	0.67	-0.65	-16.41	-16.27	-0.79	1.48
		173	3.65	4.11	-0.16	4.01	-0.06	0.65	-0.61	-15.17	-14.96	-0.83	1.76
		197	3.67	5.36	0.08	5.36	0.08	0.05	0.02	-14.84	-14.82	8.94e-03	0.47
		196	3.89	4.70	0.02	4.69	0.02	-0.14	0.07	-15.80	-15.78	0.05	0.57
144	25	172	3.84	3.63	0.05	3.51	0.18	0.66	-0.60	-16.01	-15.87	-0.75	1.48
		173	3.57	4.06	-0.16	3.96	-0.06	0.64	-0.57	-14.83	-14.62	-0.78	1.71
		197	3.59	5.28	0.08	5.28	0.08	0.05	0.02	-14.51	-14.50	6.14e-03	0.47
		196	3.81	4.63	0.02	4.63	0.02	-0.14	0.06	-15.46	-15.44	0.04	0.57
144	55	172	3.71	5.39	-0.71	5.35	-0.66	-0.52	-0.93	-15.43	-15.14	-1.22	2.05
		173	3.39	5.98	-1.12	5.66	-0.79	1.49	-1.19	-14.27	-13.87	-1.59	2.24
		197	3.93	9.85	0.20	9.74	0.31	1.05	-0.80	-15.98	-15.92	-0.86	0.88
		196	4.19	9.48	0.17	9.36	0.29	-1.05	-0.42	-16.86	-16.80	-0.49	1.06
144	87	172	3.77	4.38	-0.22	4.37	-0.22	0.10	-0.77	-15.73	-15.53	-0.97	1.75
		173	3.48	4.96	-0.61	4.76	-0.41	1.04	-0.87	-14.56	-14.27	-1.16	1.96
		197	3.75	7.42	0.15	7.38	0.19	0.53	-0.37	-15.21	-15.18	-0.40	0.67
		196	3.99	6.91	0.10	6.86	0.15	-0.58	-0.17	-16.13	-16.09	-0.21	0.80
145	1	173	5.37	5.99	-0.27	5.91	-0.19	0.72	-1.08	-22.45	-22.09	-1.44	2.75
		174	4.82	5.86	-0.24	5.86	-0.24	0.04	-0.98	-20.08	-19.72	-1.34	2.59
		198	4.90	7.78	0.08	7.78	0.08	0.01	-6.13e-03	-19.77	-19.74	-0.03	0.74
		197	5.41	7.39	0.14	7.38	0.15	-0.18	0.07	-21.89	-21.85	0.02	0.98

145	9	173	4.00	4.52	-0.21	4.45	-0.14	0.56	-0.85	-16.72	-16.50	-1.07	1.85
		174	3.62	4.42	-0.18	4.42	-0.18	0.04	-0.78	-15.10	-14.89	-1.00	1.74
		198	3.69	5.83	0.07	5.83	0.07	0.02	-6.63e-03	-14.90	-14.89	-0.02	0.49
		197	4.04	5.50	0.11	5.50	0.11	-0.13	0.04	-16.35	-16.32	0.02	0.66
145	17	173	3.63	4.53	-0.22	4.45	-0.14	0.61	-0.64	-15.08	-14.88	-0.84	1.67
		174	3.37	4.40	-0.19	4.40	-0.19	0.08	-0.59	-13.96	-13.76	-0.79	1.63
		198	3.41	5.68	0.08	5.68	0.08	0.09	1.09e-03	-13.72	-13.71	-0.02	0.49
		197	3.65	5.20	0.09	5.20	0.09	-0.07	0.03	-14.76	-14.73	3.18e-03	0.62
145	25	173	3.55	4.47	-0.22	4.39	-0.14	0.61	-0.59	-14.75	-14.56	-0.78	1.63
		174	3.31	4.34	-0.18	4.34	-0.18	0.08	-0.54	-13.71	-13.51	-0.74	1.60
		198	3.34	5.61	0.08	5.60	0.08	0.09	3.13e-03	-13.46	-13.44	-0.01	0.48
		197	3.57	5.13	0.09	5.12	0.09	-0.06	0.03	-14.44	-14.42	9.50e-04	0.61
145	35	173	3.75	3.68	-0.10	3.58	6.36e-03	0.61	-0.39	-15.56	-15.36	-0.59	1.71
		174	3.50	3.57	-0.05	3.56	-0.03	-0.25	-0.55	-14.54	-14.33	-0.75	1.68
		198	3.54	4.49	-1.41e-03	4.48	9.33e-03	-0.22	0.04	-14.34	-14.31	0.01	0.60
		197	3.78	4.08	0.03	4.08	0.03	2.72e-03	0.26	-15.29	-15.27	0.24	0.57
145	67	173	3.65	4.09	-0.16	4.00	-0.07	0.60	-0.50	-15.14	-14.95	-0.69	1.67
		174	3.40	3.97	-0.11	3.96	-0.11	-0.08	-0.54	-14.11	-13.91	-0.75	1.64
		198	3.44	5.07	0.05	5.07	0.05	-0.06	0.02	-13.89	-13.87	-2.92e-03	0.54
		197	3.67	4.63	0.07	4.63	0.07	-0.03	0.14	-14.86	-14.83	0.11	0.59
146	4	174	4.99	7.35	-0.19	7.34	-0.17	0.35	-0.67	-20.52	-20.19	-1.00	2.53
		175	4.70	7.33	-0.21	7.31	-0.19	-0.32	-0.66	-19.28	-18.96	-0.98	2.41
		199	4.75	10.21	0.31	10.20	0.32	0.25	0.01	-18.95	-18.92	-0.02	0.76
		198	5.04	10.16	0.32	10.16	0.32	-0.23	0.03	-20.15	-20.10	-0.02	0.95
146	12	174	3.73	5.42	-0.14	5.41	-0.13	0.25	-0.57	-15.40	-15.20	-0.77	1.69
		175	3.53	5.40	-0.15	5.39	-0.14	-0.24	-0.56	-14.54	-14.35	-0.75	1.62
		199	3.58	7.45	0.22	7.44	0.22	0.17	4.50e-03	-14.32	-14.30	-0.01	0.50
		198	3.78	7.41	0.22	7.41	0.23	-0.16	0.02	-15.15	-15.12	-0.01	0.64
146	17	174	3.37	4.45	-0.13	4.45	-0.12	0.14	-0.59	-13.95	-13.76	-0.78	1.57
		175	3.18	4.45	-0.14	4.44	-0.13	-0.19	-0.57	-13.13	-12.95	-0.75	1.51
		199	3.21	5.62	0.06	5.62	0.06	0.04	-1.04e-03	-12.90	-12.88	-0.02	0.46
		198	3.40	5.64	0.07	5.64	0.07	-0.04	0.01	-13.71	-13.69	-0.02	0.61
146	25	174	3.31	4.39	-0.13	4.39	-0.12	0.14	-0.55	-13.70	-13.51	-0.73	1.55
		175	3.12	4.39	-0.14	4.38	-0.13	-0.19	-0.52	-12.90	-12.71	-0.71	1.51
		199	3.15	5.54	0.06	5.54	0.06	0.04	2.11e-03	-12.65	-12.64	-0.01	0.46
		198	3.34	5.57	0.06	5.57	0.06	-0.04	0.01	-13.45	-13.43	-0.01	0.60
146	50	174	3.47	3.02	0.03	2.59	0.45	1.04	-0.32	-14.45	-14.25	-0.52	1.66
		175	3.29	3.02	-0.05	2.57	0.40	-1.09	-0.33	-13.65	-13.45	-0.53	1.63
		199	3.24	1.55	-0.66	1.23	-0.34	-0.78	0.26	-13.23	-13.21	0.23	0.60
		198	3.43	1.63	-0.62	1.31	-0.30	0.79	0.31	-14.04	-14.00	0.28	0.72
146	82	174	3.39	3.63	0.06	3.54	0.15	0.57	-0.44	-14.06	-13.87	-0.63	1.61
		175	3.20	3.63	0.02	3.52	0.13	-0.62	-0.43	-13.26	-13.06	-0.62	1.57
		199	3.19	3.53	-0.17	3.49	-0.13	-0.35	0.12	-12.93	-12.91	0.10	0.53
		198	3.39	3.58	-0.14	3.55	-0.11	0.35	0.16	-13.73	-13.70	0.12	0.66
147	4	175	4.69	7.22	-0.29	7.20	-0.27	-0.41	-0.69	-19.27	-18.97	-0.99	2.33
		176	4.52	7.44	-0.25	7.24	-0.05	-1.22	-0.59	-18.51	-18.22	-0.87	2.25
		200	4.53	9.12	0.35	9.12	0.36	0.25	0.02	-18.13	-18.10	-0.02	0.76
		199	4.76	10.26	0.32	10.25	0.33	-0.35	0.03	-18.96	-18.92	-0.02	0.92
147	12	175	3.53	5.32	-0.21	5.31	-0.20	-0.28	-0.58	-14.53	-14.35	-0.76	1.56
		176	3.41	5.49	-0.20	5.35	-0.06	-0.89	-0.51	-14.00	-13.83	-0.68	1.51
		200	3.43	6.66	0.25	6.66	0.25	0.17	6.55e-03	-13.75	-13.73	-0.01	0.50
		199	3.59	7.49	0.22	7.48	0.23	-0.24	0.02	-14.33	-14.30	-0.01	0.62
147	17	175	3.17	4.36	-0.20	4.36	-0.19	-0.12	-0.58	-13.12	-12.94	-0.75	1.47
		176	3.04	4.57	-0.28	4.47	-0.18	-0.67	-0.61	-12.58	-12.42	-0.78	1.40
		200	3.07	5.08	0.10	5.08	0.10	0.04	1.56e-03	-12.36	-12.35	-0.01	0.42
		199	3.21	5.68	0.07	5.68	0.08	-0.09	7.20e-03	-12.91	-12.88	-0.02	0.58

147	25	175	3.12	4.31	-0.19	4.30	-0.19	-0.12	-0.53	-12.88	-12.71	-0.71	1.47
		176	2.98	4.50	-0.28	4.41	-0.18	-0.66	-0.56	-12.31	-12.14	-0.73	1.42
		200	3.00	5.01	0.10	5.01	0.10	0.04	2.62e-03	-12.08	-12.07	-0.01	0.43
		199	3.15	5.60	0.07	5.60	0.07	-0.09	9.95e-03	-12.66	-12.63	-0.02	0.57
147	26	175	3.30	4.05	-7.53e-03	4.03	0.01	0.29	-0.56	-13.70	-13.52	-0.73	1.50
		176	3.19	4.19	-0.13	4.07	-4.82e-03	-0.71	-0.38	-13.10	-12.93	-0.56	1.49
		200	3.19	3.86	-0.02	3.86	-0.02	-0.03	0.21	-12.86	-12.84	0.19	0.52
		199	3.32	4.42	-0.04	4.39	-0.02	0.32	0.01	-13.46	-13.43	-0.02	0.61
147	58	175	3.21	4.18	-0.10	4.17	-0.09	0.08	-0.54	-13.28	-13.10	-0.72	1.48
		176	3.08	4.36	-0.20	4.25	-0.10	-0.68	-0.47	-12.70	-12.52	-0.65	1.45
		200	3.09	4.47	0.04	4.47	0.04	4.88e-03	0.10	-12.46	-12.45	0.08	0.47
		199	3.23	5.03	0.03	5.03	0.03	0.11	9.39e-03	-13.05	-13.02	-0.02	0.59
148	2	176	4.49	5.56	-0.26	5.42	-0.12	-0.91	-1.16	-18.78	-18.61	-1.33	1.74
		178	4.55	4.64	0.08	4.46	0.26	-0.90	-1.08	-19.09	-18.87	-1.30	1.99
		202	4.50	6.15	0.05	6.13	0.07	0.25	0.15	-18.17	-18.15	0.13	0.61
		200	4.62	7.03	0.06	7.03	0.06	-0.01	0.05	-18.63	-18.59	5.70e-03	0.86
148	10	176	3.39	4.20	-0.20	4.09	-0.09	-0.69	-0.88	-14.19	-14.09	-0.99	1.16
		178	3.42	3.51	0.06	3.37	0.20	-0.69	-0.83	-14.37	-14.23	-0.96	1.34
		202	3.40	4.59	0.04	4.58	0.05	0.19	0.10	-13.73	-13.71	0.09	0.40
		200	3.49	5.28	0.05	5.28	0.05	-0.02	0.03	-14.09	-14.07	4.42e-03	0.59
148	17	176	3.04	4.26	-0.20	4.13	-0.07	-0.74	-0.62	-12.61	-12.46	-0.77	1.31
		178	2.94	3.54	0.04	3.38	0.21	-0.74	-0.64	-12.25	-12.11	-0.79	1.30
		202	2.94	4.32	0.01	4.31	0.02	0.15	0.07	-11.87	-11.85	0.06	0.39
		200	3.10	5.17	0.08	5.17	0.08	-0.08	0.02	-12.48	-12.46	-6.55e-03	0.57
148	25	176	2.98	4.20	-0.20	4.07	-0.07	-0.74	-0.56	-12.32	-12.17	-0.72	1.35
		178	2.85	3.49	0.04	3.33	0.21	-0.73	-0.60	-11.89	-11.74	-0.75	1.29
		202	2.87	4.26	0.01	4.25	0.02	0.15	0.07	-11.55	-11.54	0.05	0.40
		200	3.03	5.10	0.08	5.10	0.08	-0.08	0.02	-12.19	-12.16	-7.88e-03	0.57
148	42	176	3.33	2.64	0.54	2.58	0.60	0.36	0.20	-13.60	-13.30	-0.10	2.02
		178	3.20	3.12	-0.50	1.66	0.96	-1.78	0.05	-13.16	-12.82	-0.28	2.08
		202	3.20	0.61	-0.72	0.11	-0.22	-0.65	0.68	-12.94	-12.84	0.58	1.18
		200	3.39	2.01	-0.79	1.34	-0.11	1.20	0.78	-13.62	-13.52	0.68	1.23
148	58	176	3.15	4.02	-0.02	3.96	0.03	-0.48	-0.52	-13.05	-12.88	-0.68	1.45
		178	3.03	3.43	0.12	3.23	0.31	-0.77	-0.50	-12.58	-12.41	-0.67	1.42
		202	3.03	3.76	-0.03	3.76	-0.03	0.09	0.16	-12.24	-12.21	0.14	0.55
		200	3.20	4.62	0.03	4.61	0.04	0.17	0.08	-12.91	-12.88	0.04	0.71
149	2	178	4.52	3.56	-0.26	3.28	0.02	-0.99	-1.04	-19.05	-18.81	-1.29	2.09
		179	4.30	3.76	-0.27	3.58	-0.08	-0.84	-0.96	-18.04	-17.63	-1.36	2.60
		203	4.21	5.77	0.03	5.77	0.03	0.15	0.11	-17.01	-16.98	0.08	0.75
		202	4.43	6.53	0.05	6.52	0.06	0.22	0.09	-17.89	-17.85	0.06	0.76
149	10	178	3.40	2.68	-0.20	2.47	0.02	-0.75	-0.81	-14.34	-14.19	-0.96	1.40
		179	3.23	2.84	-0.20	2.70	-0.06	-0.63	-0.76	-13.59	-13.34	-1.01	1.77
		203	3.18	4.32	0.02	4.32	0.03	0.10	0.08	-12.87	-12.85	0.06	0.50
		202	3.35	4.90	0.04	4.90	0.04	0.15	0.06	-13.52	-13.50	0.04	0.51
149	17	178	2.93	2.66	-0.20	2.44	0.02	-0.75	-0.64	-12.29	-12.14	-0.79	1.32
		179	2.80	2.85	-0.20	2.71	-0.06	-0.63	-0.62	-11.73	-11.51	-0.83	1.53
		203	2.78	4.16	0.03	4.16	0.03	0.03	0.06	-11.19	-11.17	0.04	0.46
		202	2.91	4.81	0.03	4.81	0.04	0.08	0.04	-11.72	-11.70	0.02	0.48
149	25	178	2.85	2.62	-0.20	2.41	0.02	-0.74	-0.60	-11.94	-11.78	-0.76	1.31
		179	2.73	2.81	-0.19	2.67	-0.06	-0.62	-0.59	-11.43	-11.22	-0.79	1.48
		203	2.71	4.10	0.03	4.10	0.03	0.03	0.06	-10.93	-10.91	0.04	0.46
		202	2.84	4.74	0.03	4.74	0.04	0.08	0.04	-11.42	-11.40	0.02	0.48
149	30	178	3.24	3.61	-0.36	3.45	-0.20	-0.78	-0.84	-13.58	-13.45	-0.98	1.31
		179	3.10	3.70	-0.29	3.65	-0.25	-0.40	-0.93	-13.06	-12.88	-1.11	1.47
		203	3.09	5.50	0.11	5.49	0.11	0.11	-0.28	-12.57	-12.56	-0.29	0.32
		202	3.23	5.99	-0.07	5.99	-0.07	-0.09	-0.19	-13.06	-13.05	-0.20	0.34

149	62	178	3.04	3.09	-0.27	2.91	-0.09	-0.76	-0.72	-12.74	-12.59	-0.86	1.31
		179	2.91	3.22	-0.23	3.14	-0.15	-0.52	-0.75	-12.22	-12.02	-0.95	1.48
		203	2.90	4.76	0.07	4.76	0.07	0.07	-0.10	-11.73	-11.71	-0.12	0.39
		202	3.03	5.33	-0.02	5.33	-0.02	-1.47e-04	-0.07	-12.22	-12.20	-0.08	0.41
150	2	179	4.28	3.25	-0.58	2.93	-0.25	-1.07	-0.98	-18.02	-17.61	-1.39	2.60
		180	3.58	2.59	-0.38	2.14	0.07	-1.06	-0.97	-15.18	-14.68	-1.47	2.61
		204	3.64	5.06	0.02	5.06	0.02	0.07	0.10	-14.69	-14.66	0.07	0.68
		203	4.24	5.92	0.09	5.91	0.09	0.12	0.15	-17.11	-17.07	0.11	0.85
150	10	179	3.22	2.45	-0.43	2.21	-0.19	-0.81	-0.78	-13.58	-13.33	-1.03	1.78
		180	2.71	1.95	-0.28	1.61	0.05	-0.79	-0.78	-11.49	-11.18	-1.09	1.79
		204	2.76	3.80	0.01	3.80	0.01	0.04	0.07	-11.16	-11.15	0.05	0.45
		203	3.21	4.45	0.07	4.44	0.07	0.09	0.10	-12.95	-12.92	0.08	0.58
150	17	179	2.80	2.48	-0.45	2.21	-0.19	-0.84	-0.62	-11.74	-11.52	-0.84	1.53
		180	2.41	1.94	-0.29	1.60	0.05	-0.80	-0.64	-10.21	-9.95	-0.90	1.55
		204	2.46	3.67	-0.01	3.67	-0.01	-0.03	0.07	-9.89	-9.88	0.05	0.41
		203	2.80	4.41	0.09	4.41	0.09	0.04	0.08	-11.26	-11.23	0.06	0.52
150	25	179	2.73	2.44	-0.45	2.18	-0.18	-0.83	-0.59	-11.44	-11.23	-0.79	1.48
		180	2.38	1.91	-0.28	1.58	0.05	-0.79	-0.61	-10.05	-9.80	-0.85	1.50
		204	2.42	3.62	-0.01	3.62	-0.01	-0.02	0.07	-9.74	-9.73	0.05	0.40
		203	2.73	4.35	0.09	4.35	0.09	0.04	0.07	-10.99	-10.97	0.05	0.51
150	26	179	3.12	2.63	0.08	2.60	0.11	-0.26	-0.34	-12.94	-12.64	-0.64	1.93
		180	2.77	2.23	-0.09	1.97	0.17	-0.73	-0.44	-11.58	-11.23	-0.79	1.95
		204	2.79	2.70	-0.13	2.70	-0.13	0.09	0.18	-11.31	-11.25	0.12	0.81
		203	3.12	3.63	0.06	3.54	0.14	0.54	0.28	-12.57	-12.50	0.21	0.89
150	58	179	2.92	2.51	-0.16	2.39	-0.04	-0.55	-0.47	-12.17	-11.92	-0.72	1.70
		180	2.57	2.07	-0.19	1.77	0.11	-0.76	-0.53	-10.79	-10.50	-0.82	1.71
		204	2.60	3.18	-0.07	3.18	-0.07	0.03	0.12	-10.50	-10.47	0.08	0.59
		203	2.92	3.99	0.09	3.97	0.11	0.28	0.17	-11.76	-11.72	0.13	0.69
151	6	180	3.57	2.26	-0.44	1.80	0.02	-1.01	-0.90	-15.13	-14.72	-1.31	2.37
		181	2.94	1.83	-0.28	1.38	0.16	-0.86	-0.95	-12.55	-12.18	-1.32	2.04
		205	3.02	3.56	0.06	3.56	0.06	0.14	0.06	-12.25	-12.23	0.04	0.52
		204	3.63	4.42	0.02	4.42	0.02	0.05	0.10	-14.72	-14.68	0.06	0.78
151	14	180	2.70	1.73	-0.33	1.39	0.02	-0.77	-0.73	-11.46	-11.20	-0.98	1.63
		181	2.22	1.40	-0.21	1.07	0.12	-0.66	-0.77	-9.51	-9.28	-1.00	1.40
		205	2.29	2.69	0.04	2.69	0.05	0.09	0.04	-9.31	-9.30	0.03	0.34
		204	2.76	3.37	0.02	3.37	0.02	0.02	0.07	-11.18	-11.15	0.05	0.53
151	22	180	2.42	1.88	-0.34	1.53	0.02	-0.81	-0.62	-10.22	-9.99	-0.85	1.47
		181	2.00	1.55	-0.23	1.22	0.10	-0.70	-0.68	-8.54	-8.32	-0.90	1.30
		205	2.06	2.67	0.03	2.67	0.03	-3.12e-03	0.05	-8.33	-8.31	0.04	0.31
		204	2.46	3.53	0.03	3.53	0.03	-0.06	0.07	-9.94	-9.92	0.04	0.47
151	25	180	2.37	1.94	-0.34	1.58	0.02	-0.83	-0.61	-10.01	-9.77	-0.85	1.46
		181	1.95	1.61	-0.24	1.27	0.10	-0.71	-0.67	-8.32	-8.10	-0.89	1.29
		205	2.00	2.69	0.02	2.69	0.02	-0.03	0.05	-8.10	-8.09	0.04	0.31
		204	2.41	3.60	0.04	3.60	0.04	-0.08	0.07	-9.72	-9.70	0.04	0.47
151	27	180	2.74	2.27	0.09	2.19	0.17	-0.41	-0.43	-11.45	-11.09	-0.79	1.96
		181	2.34	2.03	-0.10	1.79	0.13	-0.67	-0.54	-9.83	-9.48	-0.89	1.78
		205	2.35	2.64	-0.10	2.63	-0.09	0.14	0.10	-9.54	-9.48	0.03	0.77
		204	2.76	3.73	0.03	3.69	0.07	0.38	0.17	-11.11	-11.03	0.09	0.93
151	59	180	2.55	2.08	-0.11	1.88	0.09	-0.63	-0.53	-10.71	-10.42	-0.82	1.70
		181	2.14	1.81	-0.17	1.53	0.12	-0.69	-0.61	-9.05	-8.77	-0.89	1.52
		205	2.17	2.67	-0.03	2.67	-0.03	0.05	0.07	-8.80	-8.77	0.03	0.53
		204	2.58	3.65	0.05	3.65	0.05	0.14	0.11	-10.39	-10.35	0.07	0.69
152	6	181	2.93	1.72	-0.38	1.22	0.12	-0.89	-0.95	-12.53	-12.18	-1.31	2.00
		182	2.29	1.30	-0.32	0.84	0.14	-0.73	-1.15	-9.97	-9.67	-1.45	1.59
		206	2.39	2.53	0.07	2.52	0.08	0.18	0.03	-9.75	-9.74	0.02	0.30
		205	3.01	3.22	2.99e-03	3.22	3.63e-03	0.05	0.08	-12.25	-12.22	0.05	0.62

152	14	181	2.22	1.34	-0.28	0.97	0.09	-0.68	-0.77	-9.49	-9.27	-0.99	1.37
		182	1.72	1.03	-0.25	0.69	0.10	-0.57	-0.92	-7.52	-7.35	-1.10	1.08
		206	1.81	1.91	0.05	1.90	0.06	0.12	0.02	-7.39	-7.39	0.02	0.18
		205	2.29	2.47	7.03e-03	2.47	7.16e-03	0.02	0.05	-9.31	-9.29	0.04	0.41
152	22	181	2.00	1.56	-0.27	1.21	0.08	-0.72	-0.68	-8.52	-8.31	-0.89	1.28
		182	1.55	1.29	-0.30	0.95	0.05	-0.65	-0.83	-6.72	-6.53	-1.01	1.02
		206	1.61	1.83	0.04	1.83	0.04	0.01	0.02	-6.56	-6.56	0.02	0.17
		205	2.06	2.63	0.02	2.62	0.03	-0.07	0.06	-8.32	-8.30	0.04	0.38
152	25	181	1.95	1.63	-0.28	1.28	0.08	-0.74	-0.67	-8.31	-8.09	-0.89	1.27
		182	1.50	1.37	-0.31	1.02	0.03	-0.68	-0.82	-6.50	-6.31	-1.01	1.02
		206	1.56	1.83	0.04	1.83	0.04	-0.02	0.02	-6.34	-6.34	0.02	0.17
		205	2.00	2.69	0.03	2.69	0.03	-0.10	0.06	-8.10	-8.08	0.04	0.37
152	43	181	2.38	1.16	0.28	1.07	0.38	-0.27	-0.04	-9.85	-9.09	-0.81	2.63
		182	1.94	1.26	-0.62	0.49	0.15	-0.93	-0.22	-8.09	-7.32	-0.99	2.35
		206	1.90	0.64	-0.25	0.52	-0.13	0.31	0.32	-7.71	-7.41	0.03	1.50
		205	2.35	2.37	-0.12	2.09	0.16	0.78	0.42	-9.46	-9.15	0.10	1.73
152	59	181	2.12	1.80	-0.12	1.57	0.11	-0.63	-0.59	-8.96	-8.68	-0.87	1.50
		182	1.67	1.57	-0.26	1.27	0.04	-0.68	-0.76	-7.18	-6.93	-1.02	1.24
		206	1.72	1.94	0.02	1.94	0.02	0.08	0.04	-6.99	-6.97	0.02	0.38
		205	2.16	2.90	0.05	2.90	0.05	0.08	0.09	-8.72	-8.68	0.05	0.59
153	6	182	2.28	1.21	-0.42	0.67	0.11	-0.77	-1.17	-9.93	-9.65	-1.45	1.55
		183	1.66	0.84	-0.37	0.33	0.15	-0.60	-1.63	-7.56	-7.39	-1.81	1.00
		207	1.84	1.66	0.07	1.63	0.09	0.20	0.04	-7.51	-7.51	0.04	0.05
		206	2.40	2.17	-7.09e-03	2.17	-4.93e-03	0.07	0.05	-9.78	-9.76	0.03	0.43
153	14	182	1.72	0.97	-0.32	0.57	0.08	-0.59	-0.93	-7.50	-7.33	-1.10	1.05
		183	1.25	0.70	-0.29	0.32	0.10	-0.48	-1.27	-5.67	-5.57	-1.37	0.65
		207	1.38	1.22	0.05	1.21	0.07	0.13	0.03	-5.65	-5.65	0.03	-0.01
		206	1.82	1.67	1.96e-03	1.66	2.60e-03	0.03	0.03	-7.41	-7.40	0.02	0.27
153	22	182	1.54	1.30	-0.34	0.93	0.03	-0.69	-0.84	-6.69	-6.51	-1.02	1.00
		183	1.09	1.09	-0.37	0.67	0.05	-0.66	-1.18	-4.92	-4.81	-1.29	0.62
		207	1.20	1.01	0.05	1.01	0.05	9.19e-03	0.02	-4.91	-4.91	0.02	-0.01
		206	1.62	1.79	0.03	1.79	0.03	-0.07	0.04	-6.57	-6.56	0.03	0.26
153	25	182	1.49	1.40	-0.35	1.03	0.02	-0.71	-0.83	-6.48	-6.29	-1.01	1.00
		183	1.04	1.20	-0.40	0.77	0.04	-0.71	-1.18	-4.71	-4.60	-1.29	0.61
		207	1.15	0.97	0.04	0.97	0.04	-0.02	0.02	-4.71	-4.71	0.02	-0.02
		206	1.57	1.84	0.03	1.83	0.04	-0.10	0.04	-6.35	-6.34	0.03	0.25
153	43	182	1.89	1.28	-0.11	0.96	0.22	-0.59	-0.22	-7.88	-7.14	-0.96	2.26
		183	1.42	1.25	-0.75	0.38	0.12	-0.99	-0.65	-6.13	-5.46	-1.33	1.80
		207	1.46	0.38	-0.34	0.07	-0.03	0.36	0.15	-6.00	-5.76	-0.08	1.17
		206	1.92	1.97	-0.03	1.81	0.13	0.54	0.37	-7.68	-7.39	0.08	1.51
153	75	182	1.67	1.35	-0.23	1.00	0.11	-0.65	-0.57	-7.12	-6.70	-0.99	1.60
		183	1.21	1.22	-0.55	0.59	0.08	-0.85	-0.96	-5.35	-5.01	-1.31	1.18
		207	1.28	0.59	-0.04	0.54	7.80e-03	0.16	0.03	-5.27	-5.22	-0.03	0.55
		206	1.72	1.85	0.06	1.83	0.08	0.21	0.15	-6.95	-6.85	0.05	0.85
154	6	183	1.66	0.84	-0.54	0.19	0.11	-0.69	-1.69	-7.56	-7.42	-1.83	0.89
		184	1.18	0.51	-0.18	-0.12	0.46	-0.19	-2.23	-5.63	-5.57	-2.29	0.44
		208	1.30	1.01	6.92e-03	0.97	0.05	0.20	0.16	-5.26	-5.26	0.15	-0.17
		207	1.86	1.20	-0.02	1.20	-0.02	0.08	0.06	-7.61	-7.61	0.05	0.21
154	14	183	1.24	0.70	-0.41	0.22	0.07	-0.55	-1.31	-5.67	-5.59	-1.38	0.56
		184	0.87	0.43	-0.11	-0.03	0.34	-0.20	-1.70	-4.18	-4.15	-1.73	0.23
		208	0.97	0.70	4.90e-03	0.67	0.03	0.13	0.12	-3.93	-3.92	0.11	-0.17
		207	1.40	0.92	-4.53e-03	0.91	-2.90e-03	0.04	0.04	-5.73	-5.72	0.04	0.11
154	22	183	1.08	1.13	-0.44	0.66	0.03	-0.72	-1.22	-4.90	-4.81	-1.31	0.55
		184	0.73	0.81	-0.17	0.34	0.30	-0.49	-1.66	-3.48	-3.47	-1.66	0.13
		208	0.83	0.29	-5.45e-03	0.28	-2.83e-04	0.04	0.10	-3.36	-3.35	0.09	-0.19
		207	1.22	0.94	0.04	0.93	0.04	-0.08	0.04	-4.97	-4.97	0.03	0.10

154	25	183	1.03	1.26	-0.46	0.77	0.02	-0.77	-1.22	-4.69	-4.60	-1.31	0.54
		184	0.70	0.94	-0.21	0.44	0.29	-0.57	-1.67	-3.31	-3.30	-1.68	0.10
		208	0.79	0.19	-9.77e-03	0.19	-8.69e-03	0.01	0.10	-3.22	-3.21	0.09	-0.20
		207	1.17	0.95	0.04	0.94	0.06	-0.11	0.03	-4.77	-4.77	0.03	0.09
154	43	183	1.36	1.53	-0.52	0.83	0.17	-0.97	-0.63	-5.81	-5.26	-1.19	1.60
		184	0.95	1.13	-0.37	0.11	0.64	-0.70	-1.34	-4.39	-3.95	-1.78	1.07
		208	1.04	0.35	-0.74	-0.51	0.13	0.44	-6.82e-03	-4.29	-4.16	-0.14	0.74
		207	1.46	1.20	0.13	1.11	0.22	0.30	0.16	-5.94	-5.72	-0.06	1.13
154	75	183	1.17	1.39	-0.49	0.80	0.09	-0.87	-0.97	-5.19	-4.92	-1.25	1.05
		184	0.80	1.01	-0.27	0.28	0.46	-0.63	-1.57	-3.77	-3.61	-1.73	0.56
		208	0.89	0.20	-0.28	-0.14	0.06	0.22	-1.15e-03	-3.68	-3.66	-0.02	0.25
		207	1.29	1.03	0.12	1.03	0.13	0.08	0.05	-5.29	-5.22	-0.01	0.59
155	6	177	0.89	0.55	0.02	0.16	0.41	0.24	-2.45	-4.26	-4.08	-2.63	0.54
		164	0.63	-0.04	-0.19	-0.13	-0.11	0.08	-1.28	-3.01	-1.71	-2.58	0.74
		188	0.33	0.98	-0.01	0.74	0.23	0.42	-0.15	-1.35	-1.26	-0.24	-0.31
		201	0.81	0.33	-0.07	0.26	-9.02e-03	0.15	0.12	-3.29	-3.29	0.11	-0.14
155	14	177	0.66	0.38	0.07	0.13	0.31	0.12	-1.90	-3.13	-3.05	-1.98	0.31
		164	0.46	-0.02	-0.09	-0.06	-0.05	0.04	-1.02	-2.19	-1.27	-1.95	0.48
		188	0.24	0.66	-0.01	0.48	0.17	0.30	-0.10	-1.01	-0.92	-0.19	-0.27
		201	0.60	0.22	-0.05	0.18	-7.09e-03	0.09	0.09	-2.44	-2.43	0.08	-0.14
155	22	177	0.57	0.45	0.03	0.16	0.32	-0.19	-1.92	-2.66	-2.64	-1.94	0.12
		164	0.42	0.21	0.06	0.13	0.14	-0.07	-1.00	-2.00	-1.10	-1.90	0.30
		188	0.21	0.19	-0.08	8.91e-03	0.10	0.13	-0.06	-0.88	-0.76	-0.17	-0.29
		201	0.51	0.05	-0.02	0.05	-0.01	-0.02	0.09	-2.06	-2.05	0.08	-0.16
155	25	177	0.56	0.53	-0.04	0.17	0.32	-0.27	-1.95	-2.57	-2.56	-1.96	0.08
		164	0.42	0.28	0.08	0.18	0.19	-0.10	-0.99	-2.00	-1.07	-1.93	0.26
		188	0.20	0.12	-0.14	-0.11	0.09	0.09	-0.04	-0.86	-0.73	-0.17	-0.30
		201	0.48	0.05	-0.04	0.02	-0.02	-0.04	0.09	-1.97	-1.95	0.08	-0.17
155	43	177	0.71	0.89	-0.08	0.08	0.73	-0.36	-1.45	-3.36	-2.85	-1.96	0.84
		164	0.61	0.46	0.08	0.08	0.45	0.04	-0.72	-2.80	-1.41	-2.12	0.98
		188	0.32	0.52	-0.50	-0.22	0.25	0.45	-0.42	-1.43	-1.35	-0.50	0.28
		201	0.63	0.18	-0.06	0.06	0.05	0.12	0.01	-2.62	-2.54	-0.07	0.46
155	75	177	0.62	0.69	-0.05	0.13	0.51	-0.32	-1.75	-2.90	-2.70	-1.96	0.44
		164	0.50	0.32	0.13	0.13	0.31	-0.03	-0.90	-2.34	-1.23	-2.02	0.60
		188	0.22	0.31	-0.31	-0.16	0.16	0.26	-0.33	-1.02	-1.02	-0.33	-0.02
		201	0.54	0.07	-8.61e-03	0.04	0.02	0.04	0.02	-2.24	-2.23	0.01	0.13
156	5	163	0.62	0.01	-0.07	-0.06	9.27e-03	0.02	-1.57	-2.98	-2.06	-2.49	-0.67
		185	1.07	0.47	0.14	0.16	0.44	-0.08	-2.53	-5.11	-5.07	-2.57	-0.31
		186	1.01	0.36	-0.02	0.33	4.69e-04	-0.09	0.10	-4.11	-4.09	0.08	0.31
		187	0.40	0.92	6.13e-03	0.66	0.26	-0.41	-0.19	-1.70	-1.55	-0.35	0.45
156	13	163	0.45	0.05	-0.03	-0.02	0.04	0.03	-1.22	-2.17	-1.51	-1.88	-0.43
		185	0.78	0.34	0.13	0.13	0.34	-0.01	-1.92	-3.74	-3.72	-1.94	-0.16
		186	0.73	0.24	-0.01	0.23	-3.76e-04	-0.05	0.08	-3.00	-2.98	0.06	0.25
		187	0.30	0.62	-7.22e-04	0.43	0.19	-0.29	-0.13	-1.25	-1.12	-0.26	0.36
156	21	163	0.41	0.35	0.05	0.19	0.22	0.15	-1.22	-1.93	-1.34	-1.82	-0.26
		185	0.70	0.57	-0.05	0.18	0.34	0.30	-1.88	-3.32	-3.32	-1.88	5.96e-03
		186	0.65	0.14	-0.02	0.13	-6.83e-03	0.04	0.08	-2.65	-2.62	0.05	0.27
		187	0.26	0.22	-0.09	-5.12e-03	0.13	-0.14	-0.09	-1.13	-0.97	-0.25	0.38
156	25	163	0.41	0.42	0.07	0.24	0.26	0.17	-1.23	-1.92	-1.31	-1.84	-0.22
		185	0.68	0.65	-0.11	0.19	0.35	0.37	-1.90	-3.24	-3.24	-1.90	0.05
		186	0.63	0.12	-0.04	0.10	-9.00e-03	0.06	0.08	-2.56	-2.53	0.05	0.28
		187	0.26	0.15	-0.15	-0.11	0.12	-0.10	-0.07	-1.11	-0.93	-0.24	0.39
156	50	163	0.58	0.56	0.15	0.16	0.55	0.07	-0.96	-2.70	-1.65	-2.01	-0.85
		185	0.78	1.02	-0.13	0.11	0.77	0.48	-1.52	-3.71	-3.53	-1.71	-0.61
		186	0.73	0.19	-1.56e-03	0.12	0.07	-0.09	-0.03	-3.03	-3.01	-0.05	-0.24
		187	0.32	0.54	-0.50	-0.26	0.30	-0.44	-0.52	-1.46	-1.45	-0.53	-0.10

156	82	163	0.48	0.46	0.14	0.20	0.40	0.12	-1.13	-2.27	-1.47	-1.92	-0.52
		185	0.72	0.82	-0.11	0.16	0.55	0.43	-1.77	-3.42	-3.38	-1.81	-0.26
		186	0.67	0.11	0.03	0.11	0.03	-0.01	6.98e-03	-2.76	-2.76	6.60e-03	0.03
		187	0.26	0.34	-0.32	-0.18	0.20	-0.26	-0.35	-1.21	-1.18	-0.38	0.15
157	8	210	0.17	0.66	-0.98	0.53	-0.85	-0.44	-0.11	-0.70	-0.46	-0.34	-0.29
		25	0.13	1.12	-0.42	0.84	-0.14	0.59	-0.14	-0.48	-0.47	-0.16	-0.07
		27	1.08	0.34	-0.46	0.30	-0.42	0.18	2.77	-2.40	8.11e-03	0.36	-2.58
		211	0.12	0.56	-1.25	-0.29	-0.40	-0.90	0.03	-0.38	-0.27	-0.08	-0.19
157	16	210	0.12	0.45	-0.67	0.36	-0.58	-0.30	-0.07	-0.52	-0.34	-0.25	-0.22
		25	0.10	0.76	-0.28	0.57	-0.09	0.40	-0.11	-0.38	-0.37	-0.11	-0.05
		27	0.78	0.23	-0.31	0.21	-0.28	0.12	1.97	-1.75	-0.03	0.24	-1.86
		211	0.09	0.38	-0.85	-0.20	-0.27	-0.62	6.01e-03	-0.28	-0.20	-0.08	-0.13
157	24	210	0.11	0.14	-0.22	0.12	-0.20	-0.10	-0.06	-0.46	-0.29	-0.23	-0.20
		25	0.10	0.28	-0.09	0.22	-0.03	0.13	-0.10	-0.43	-0.43	-0.10	-0.04
		27	0.67	0.10	-0.09	0.10	-0.09	-4.21e-03	1.66	-1.58	-0.13	0.20	-1.61
		211	0.06	0.15	-0.28	-0.06	-0.07	-0.21	-6.77e-03	-0.24	-0.17	-0.08	-0.11
157	25	210	0.10	0.07	-0.12	0.06	-0.10	-0.04	-0.05	-0.45	-0.28	-0.22	-0.20
		25	0.10	0.16	-0.04	0.14	-0.01	0.07	-0.10	-0.45	-0.45	-0.10	-0.03
		27	0.65	0.08	-0.05	0.07	-0.04	-0.03	1.59	-1.55	-0.15	0.19	-1.56
		211	0.06	0.09	-0.14	-0.03	-0.02	-0.11	-0.02	-0.24	-0.17	-0.09	-0.10
157	42	210	0.18	0.19	-0.37	0.13	-0.31	-0.17	0.36	-0.49	-0.07	-0.06	-0.43
		25	0.13	0.29	-0.11	0.25	-0.08	0.11	0.16	-0.40	-0.26	0.02	-0.25
		27	0.74	0.11	-0.19	0.10	-0.18	0.07	1.91	-1.62	0.02	0.27	-1.76
		211	0.15	0.24	-0.37	8.89e-04	-0.14	-0.30	0.38	-0.29	0.04	0.05	-0.33
157	74	210	0.14	0.12	-0.23	0.09	-0.20	-0.11	0.14	-0.47	-0.18	-0.14	-0.31
		25	0.10	0.22	-0.07	0.19	-0.04	0.09	5.69e-03	-0.41	-0.36	-0.04	-0.13
		27	0.69	0.08	-0.11	0.08	-0.11	0.02	1.74	-1.58	-0.07	0.23	-1.66
		211	0.10	0.16	-0.25	-0.02	-0.08	-0.20	0.17	-0.26	-0.07	-0.02	-0.21
158	8	211	0.29	0.29	-1.80	-0.08	-1.43	-0.79	0.58	-0.71	-0.31	0.18	-0.59
		27	0.94	0.07	-0.98	0.04	-0.95	0.16	2.39	-2.10	-0.20	0.48	-2.22
		30	1.13	0.14	-1.80	0.12	-1.77	-0.23	2.48	-2.92	-0.63	0.19	-2.67
		212	0.23	0.50	-0.74	-0.02	-0.23	-0.61	0.34	-0.63	-0.10	-0.19	-0.48
158	16	211	0.21	0.19	-1.22	-0.05	-0.97	-0.54	0.41	-0.52	-0.23	0.11	-0.43
		27	0.68	0.05	-0.66	0.04	-0.65	0.10	1.69	-1.54	-0.18	0.33	-1.60
		30	0.81	0.10	-1.23	0.08	-1.21	-0.17	1.72	-2.14	-0.49	0.07	-1.91
		212	0.17	0.35	-0.50	-9.52e-03	-0.14	-0.42	0.21	-0.50	-0.07	-0.21	-0.35
158	24	211	0.18	0.07	-0.40	-0.02	-0.31	-0.19	0.36	-0.46	-0.19	0.09	-0.38
		27	0.58	0.05	-0.21	0.05	-0.21	-8.71e-04	1.42	-1.39	-0.26	0.28	-1.38
		30	0.69	0.07	-0.45	0.04	-0.41	-0.13	1.41	-1.87	-0.52	0.05	-1.61
		212	0.14	0.18	-0.12	2.82e-03	0.05	-0.15	0.16	-0.45	-0.06	-0.22	-0.29
158	25	211	0.17	0.04	-0.19	-0.02	-0.14	-0.10	0.34	-0.45	-0.19	0.08	-0.37
		27	0.57	0.06	-0.10	0.05	-0.10	-0.03	1.35	-1.37	-0.28	0.26	-1.33
		30	0.66	0.08	-0.27	0.03	-0.22	-0.13	1.31	-1.83	-0.53	0.02	-1.54
		212	0.13	0.15	-0.04	5.88e-03	0.10	-0.08	0.14	-0.46	-0.06	-0.26	-0.28
158	50	211	0.36	0.16	-0.60	0.06	-0.50	-0.26	1.19	-0.48	0.10	0.61	-0.80
		27	0.78	0.12	-0.41	0.10	-0.40	-0.10	2.23	-1.48	-0.04	0.78	-1.81
		30	0.86	0.11	-0.70	0.08	-0.67	-0.15	2.08	-2.05	-0.44	0.47	-2.01
		212	0.30	0.18	-0.27	0.05	-0.14	-0.21	0.86	-0.55	0.08	0.22	-0.70
158	82	211	0.26	0.09	-0.39	0.02	-0.31	-0.18	0.75	-0.47	-0.05	0.33	-0.58
		27	0.66	0.09	-0.25	0.07	-0.24	-0.06	1.77	-1.42	-0.17	0.51	-1.56
		30	0.75	0.09	-0.47	0.06	-0.43	-0.13	1.67	-1.93	-0.49	0.23	-1.77
		212	0.21	0.15	-0.14	0.03	-0.02	-0.14	0.47	-0.49	9.85e-03	-0.03	-0.48
159	8	212	0.28	0.13	-1.42	-0.09	-1.20	-0.54	0.54	-0.71	-0.01	-0.16	-0.62
		30	1.09	-0.68	-1.80	-0.70	-1.78	-0.14	2.40	-2.83	-0.75	0.32	-2.56
		32	0.88	1.77	-4.11	1.69	-4.03	-0.66	1.09	-2.82	-0.79	-0.94	-1.96
		213	0.45	1.18	-0.32	-0.08	0.94	-0.55	0.04	-1.84	-0.18	-1.63	-0.60

159	16	212	0.21	0.09	-0.96	-0.06	-0.81	-0.37	0.36	-0.55	-5.76e-03	-0.19	-0.44
		30	0.78	-0.45	-1.22	-0.47	-1.21	-0.11	1.66	-2.07	-0.58	0.17	-1.83
		32	0.62	1.20	-2.80	1.15	-2.75	-0.47	0.66	-2.08	-0.61	-0.81	-1.37
		213	0.35	0.83	-0.21	-0.05	0.67	-0.38	0.01	-1.45	-0.13	-1.31	-0.43
159	24	212	0.17	0.05	-0.27	-0.04	-0.18	-0.14	0.30	-0.48	0.02	-0.19	-0.38
		30	0.67	-0.09	-0.41	-0.12	-0.38	-0.09	1.36	-1.84	-0.63	0.14	-1.55
		32	0.47	0.40	-1.01	0.35	-0.96	-0.25	0.39	-1.67	-0.55	-0.72	-1.03
		213	0.34	0.48	-0.03	9.20e-03	0.44	-0.14	-0.02	-1.39	-0.14	-1.28	-0.38
159	25	212	0.16	0.05	-0.11	-0.03	-0.03	-0.08	0.28	-0.48	0.03	-0.23	-0.36
		30	0.64	0.01	-0.22	-0.03	-0.18	-0.09	1.27	-1.80	-0.65	0.11	-1.49
		32	0.43	0.21	-0.58	0.16	-0.52	-0.20	0.28	-1.60	-0.56	-0.77	-0.93
		213	0.35	0.41	7.25e-03	0.02	0.39	-0.08	-0.04	-1.44	-0.14	-1.34	-0.37
159	50	212	0.41	0.13	-0.50	0.02	-0.39	-0.24	1.25	-0.67	0.19	0.39	-0.95
		30	0.87	-0.05	-0.86	-0.11	-0.80	-0.21	2.37	-1.78	-0.45	1.03	-1.94
		32	0.56	0.54	-1.58	0.49	-1.53	-0.33	1.32	-1.35	-0.20	0.17	-1.32
		213	0.41	0.38	-0.18	-0.07	0.27	-0.21	0.74	-1.18	0.23	-0.67	-0.85
159	82	212	0.27	0.08	-0.29	-7.94e-03	-0.20	-0.16	0.73	-0.56	0.10	0.07	-0.64
		30	0.75	-0.02	-0.52	-0.07	-0.48	-0.14	1.79	-1.79	-0.55	0.55	-1.70
		32	0.48	0.37	-1.06	0.32	-1.01	-0.26	0.76	-1.47	-0.39	-0.32	-1.12
		213	0.35	0.38	-0.07	-0.02	0.33	-0.14	0.30	-1.29	0.04	-1.02	-0.60
160	2	213	0.62	0.94	-0.40	-0.23	0.76	-0.45	-0.04	-2.54	-0.07	-2.50	-0.30
		32	1.08	0.19	-0.10	0.12	-0.03	-0.12	0.15	-4.41	-1.04	-3.22	-2.00
		34	0.94	0.35	-2.07	-0.24	-1.48	-1.04	-3.46	-4.08	-3.77	-3.77	-0.31
		214	1.68	2.36	-0.04	-0.02	2.35	0.21	0.75	-6.39	0.70	-6.34	-0.61
160	10	213	0.46	0.63	-0.29	-0.17	0.50	-0.32	-0.02	-1.90	-0.05	-1.87	-0.21
		32	0.79	0.18	-0.07	0.12	-8.72e-03	-0.11	0.06	-3.25	-0.78	-2.40	-1.44
		34	0.69	0.24	-1.54	-0.19	-1.10	-0.76	-2.59	-2.98	-2.77	-2.80	-0.19
		214	1.24	1.70	-0.02	-7.63e-03	1.69	0.14	0.55	-4.72	0.51	-4.68	-0.44
160	17	213	0.28	0.07	-0.23	-0.13	-0.04	-0.14	-0.01	-1.19	-0.05	-1.15	-0.20
		32	0.71	0.51	-0.03	0.37	0.11	-0.24	0.36	-2.74	-0.66	-1.72	-1.46
		34	0.51	0.10	-1.36	-0.24	-1.01	-0.62	-1.66	-2.33	-2.28	-1.71	-0.17
		214	0.98	1.12	0.06	0.06	1.12	0.03	0.46	-3.74	0.42	-3.70	-0.44
160	25	213	0.26	0.06	-0.23	-0.13	-0.04	-0.14	-9.28e-03	-1.07	-0.05	-1.04	-0.20
		32	0.70	0.51	-0.03	0.37	0.11	-0.23	0.43	-2.66	-0.64	-1.59	-1.47
		34	0.49	0.10	-1.34	-0.24	-1.00	-0.62	-1.48	-2.28	-2.23	-1.52	-0.18
		214	0.93	1.11	0.06	0.06	1.10	0.03	0.45	-3.56	0.41	-3.51	-0.43
160	47	213	0.42	0.55	-0.17	-0.17	0.55	0.03	-0.39	-1.85	-0.43	-1.81	0.22
		32	0.62	0.32	-0.49	-0.27	0.09	0.36	-0.29	-2.68	-0.82	-2.14	-0.99
		34	0.57	0.53	0.08	0.18	0.44	0.18	-1.43	-2.71	-2.19	-1.95	0.63
		214	1.11	0.39	-0.14	-0.05	0.30	0.20	0.35	-4.43	0.35	-4.42	0.16
160	63	213	0.34	0.07	-0.27	-0.27	0.07	-2.77e-03	-0.13	-1.45	-0.14	-1.43	-0.13
		32	0.71	0.39	0.10	0.27	0.22	-0.15	0.16	-2.86	-0.73	-1.97	-1.38
		34	0.53	1.62e-03	-1.16	-0.32	-0.84	-0.52	-1.91	-2.32	-2.31	-1.92	-0.06
		214	1.02	1.19	0.08	0.08	1.19	-0.04	0.42	-3.92	0.39	-3.89	-0.33
161	3	214	1.01	1.03	0.08	0.08	1.02	-0.06	0.52	-3.87	0.32	-3.67	-0.91
		34	2.17	0.21	-1.39	-0.28	-0.91	0.73	-3.24	-10.11	-3.39	-9.96	1.00
		23	1.32	0.37	-0.27	0.21	-0.12	0.27	-1.83	-6.16	-2.65	-5.33	-1.70
		209	1.64	0.23	-0.31	-0.15	0.07	0.25	0.06	-6.78	0.04	-6.76	0.37
161	11	214	0.75	0.69	0.03	0.03	0.69	-0.04	0.38	-2.87	0.24	-2.72	-0.67
		34	1.59	0.15	-0.78	-0.13	-0.50	0.43	-2.41	-7.44	-2.52	-7.33	0.74
		23	0.96	0.11	-0.17	0.05	-0.11	0.11	-1.38	-4.52	-1.96	-3.93	-1.23
		209	1.21	0.27	-0.17	-0.08	0.18	0.18	0.05	-5.00	0.03	-4.99	0.27
161	17	214	0.55	0.09	-0.19	-0.18	0.08	-0.04	0.42	-2.03	0.20	-1.81	-0.69
		34	1.29	1.25	0.13	0.45	0.93	-0.51	-2.27	-6.03	-2.32	-5.98	0.43
		23	0.84	0.15	-1.19	-0.81	-0.23	-0.60	-0.97	-3.82	-1.80	-2.99	-1.29
		209	1.00	1.15	0.18	0.20	1.14	0.13	0.05	-4.07	0.04	-4.06	0.21

161	25	214	0.51	0.09	-0.18	-0.18	0.08	-0.04	0.42	-1.88	0.19	-1.66	-0.68
		34	1.23	1.24	0.13	0.44	0.92	-0.50	-2.22	-5.78	-2.27	-5.74	0.42
		23	0.81	0.15	-1.18	-0.81	-0.22	-0.59	-0.93	-3.65	-1.76	-2.82	-1.25
		209	0.96	1.14	0.18	0.20	1.13	0.13	0.05	-3.89	0.04	-3.88	0.20
161	47	214	0.59	0.50	3.18e-03	0.05	0.45	0.14	0.29	-2.25	0.29	-2.24	-0.08
		34	1.57	0.13	-0.76	-0.14	-0.49	0.41	-2.10	-7.26	-2.39	-6.97	1.20
		23	0.88	0.12	-0.30	0.08	-0.27	0.11	-1.60	-4.18	-1.93	-3.85	-0.86
		209	1.20	0.38	-0.03	0.07	0.28	0.17	0.34	-4.79	0.27	-4.72	0.62
161	79	214	0.53	0.27	-0.08	-0.07	0.26	0.05	0.31	-2.01	0.24	-1.94	-0.39
		34	1.37	0.28	0.13	0.16	0.24	-0.06	-2.18	-6.48	-2.33	-6.33	0.79
		23	0.83	-0.05	-0.57	-0.38	-0.24	-0.25	-1.29	-3.88	-1.85	-3.32	-1.07
		209	1.07	0.75	0.10	0.13	0.72	0.15	0.18	-4.32	0.15	-4.28	0.40
162	2	209	1.59	1.06	0.32	0.32	1.06	0.04	0.88	-6.06	0.82	-6.00	-0.64
		23	1.65	2.21	-1.26	-1.23	2.19	0.29	-3.88	-7.75	-3.90	-7.73	-0.26
		163	0.73	1.64	-0.24	0.71	0.69	0.94	-1.24	-3.36	-1.46	-3.14	-0.65
		215	0.76	0.64	-0.34	-0.34	0.64	-0.03	-0.42	-3.28	-0.48	-3.23	0.39
162	10	209	1.17	0.74	0.23	0.23	0.74	0.03	0.65	-4.47	0.60	-4.43	-0.46
		23	1.21	1.61	-0.90	-0.88	1.60	0.20	-2.86	-5.71	-2.86	-5.70	-0.16
		163	0.53	1.18	-0.17	0.51	0.50	0.67	-0.94	-2.46	-1.09	-2.31	-0.44
		215	0.56	0.47	-0.23	-0.23	0.47	-0.04	-0.31	-2.42	-0.35	-2.37	0.30
162	17	209	0.94	0.33	0.13	0.14	0.31	0.05	0.58	-3.58	0.54	-3.54	-0.42
		23	0.99	1.22	-0.54	-0.54	1.22	0.07	-2.52	-4.68	-2.54	-4.67	-0.17
		163	0.47	0.75	-0.06	0.34	0.36	0.40	-0.90	-2.19	-1.07	-2.01	-0.44
		215	0.47	0.41	-0.09	-0.05	0.37	-0.14	-0.26	-2.04	-0.30	-2.00	0.26
162	25	209	0.90	0.33	0.13	0.14	0.31	0.05	0.57	-3.42	0.53	-3.38	-0.41
		23	0.96	1.21	-0.53	-0.53	1.21	0.06	-2.47	-4.49	-2.48	-4.48	-0.15
		163	0.45	0.75	-0.05	0.34	0.35	0.40	-0.88	-2.12	-1.05	-1.95	-0.43
		215	0.45	0.41	-0.09	-0.05	0.37	-0.13	-0.26	-1.97	-0.30	-1.93	0.26
162	43	209	0.82	0.33	-0.01	-0.01	0.33	-0.02	0.37	-3.20	0.19	-3.01	-0.79
		23	1.12	2.78	-0.82	-0.80	2.76	-0.29	-2.69	-5.18	-2.77	-5.10	-0.44
		163	0.65	1.34	0.18	0.35	1.17	0.41	-0.80	-2.91	-1.17	-2.54	-0.81
		215	0.38	1.22	-0.27	-0.09	1.03	-0.49	-0.16	-1.60	-0.21	-1.54	-0.27
162	75	209	0.86	0.32	0.07	0.07	0.32	0.02	0.46	-3.30	0.36	-3.20	-0.59
		23	1.03	1.96	-0.66	-0.66	1.95	-0.10	-2.58	-4.82	-2.62	-4.78	-0.29
		163	0.55	1.00	0.09	0.34	0.74	0.41	-0.84	-2.50	-1.11	-2.23	-0.61
		215	0.41	0.80	-0.18	-0.07	0.69	-0.30	-0.25	-1.74	-0.25	-1.74	5.70e-03
163	4	215	0.71	0.43	-0.25	-0.04	0.22	-0.31	0.22	-2.85	0.13	-2.76	-0.51
		163	0.65	1.30	0.10	0.12	1.28	0.18	-1.67	-3.04	-1.87	-2.84	-0.48
		187	0.31	0.41	-0.49	-0.24	0.16	0.40	-0.32	-1.38	-1.37	-0.33	0.11
		216	0.25	1.12	-0.24	-0.09	0.97	-0.43	0.23	-0.84	-0.21	-0.40	0.52
163	10	215	0.57	0.26	-0.12	-0.05	0.19	-0.15	0.14	-2.28	0.09	-2.23	-0.34
		163	0.48	0.54	0.04	0.12	0.47	0.17	-1.34	-2.27	-1.34	-2.27	-0.02
		187	0.21	0.08	-0.27	-0.15	-0.04	0.16	-0.22	-0.94	-0.90	-0.26	0.16
		216	0.19	0.22	-0.14	-0.13	0.22	-0.02	0.16	-0.71	-0.22	-0.33	0.43
163	17	215	0.49	0.09	-0.04	-0.02	0.07	-0.05	0.15	-1.96	0.10	-1.91	-0.32
		163	0.42	0.43	5.27e-03	0.09	0.34	0.17	-1.29	-1.98	-1.30	-1.97	-0.08
		187	0.21	0.04	-0.06	-0.04	0.02	0.04	-0.24	-0.98	-0.95	-0.27	0.14
		216	0.18	0.17	-0.06	-0.02	0.13	-0.09	0.15	-0.67	-0.18	-0.34	0.40
163	25	215	0.48	0.09	-0.04	-0.02	0.07	-0.05	0.15	-1.90	0.10	-1.85	-0.32
		163	0.41	0.42	5.18e-03	0.09	0.34	0.16	-1.27	-1.92	-1.28	-1.91	-0.07
		187	0.21	0.04	-0.06	-0.04	0.02	0.04	-0.24	-0.97	-0.95	-0.27	0.14
		216	0.18	0.17	-0.06	-0.02	0.13	-0.08	0.14	-0.66	-0.18	-0.34	0.39
163	50	215	0.55	0.25	-0.16	-0.07	0.17	-0.16	0.20	-2.20	8.38e-03	-2.01	-0.64
		163	0.47	0.78	0.02	0.09	0.71	0.22	-1.15	-2.21	-1.33	-2.03	-0.41
		187	0.25	0.10	-0.07	-0.07	0.10	-7.45e-03	-0.44	-1.19	-1.14	-0.49	-0.18
		216	0.14	0.46	-0.16	-0.02	0.32	-0.25	-0.36	-0.64	-0.39	-0.61	0.09

163	74	215	0.52	0.16	-0.10	-0.05	0.11	-0.10	0.16	-2.06	0.06	-1.96	-0.47
		163	0.44	0.57	0.02	0.06	0.52	0.15	-1.23	-2.05	-1.29	-1.99	-0.21
		187	0.22	0.08	-0.11	-0.10	0.06	0.05	-0.40	-1.03	-1.03	-0.40	-6.92e-03
		216	0.16	0.33	-0.12	-0.06	0.27	-0.16	-0.11	-0.67	-0.28	-0.50	0.25
164	8	26	0.06	0.97	-0.39	0.73	-0.15	-0.52	-0.08	-0.19	-0.15	-0.12	0.05
		218	0.14	0.56	-0.87	0.43	-0.74	0.41	-0.09	-0.60	-0.43	-0.27	0.24
		219	0.11	0.50	-1.10	-0.25	-0.34	0.80	-0.06	-0.39	-0.27	-0.18	0.16
		145	0.92	0.31	-0.39	0.28	-0.36	-0.14	2.42	-1.99	0.22	0.21	2.20
164	16	26	0.05	0.66	-0.27	0.50	-0.10	-0.35	-0.08	-0.17	-0.16	-0.09	0.03
		218	0.11	0.38	-0.59	0.29	-0.50	0.28	-0.06	-0.45	-0.32	-0.20	0.18
		219	0.08	0.34	-0.75	-0.17	-0.23	0.54	-0.06	-0.29	-0.20	-0.15	0.11
		145	0.67	0.21	-0.26	0.20	-0.24	-0.09	1.72	-1.48	0.11	0.13	1.60
164	24	26	0.06	0.23	-0.07	0.19	-0.03	-0.10	-0.07	-0.25	-0.25	-0.07	0.02
		218	0.09	0.10	-0.19	0.07	-0.16	0.09	-0.04	-0.39	-0.26	-0.17	0.17
		219	0.06	0.12	-0.22	-0.05	-0.04	0.17	-0.08	-0.25	-0.17	-0.16	0.08
		145	0.54	0.09	-0.07	0.09	-0.07	0.03	1.33	-1.28	-0.02	0.07	1.31
164	25	26	0.06	0.12	-0.03	0.11	-0.01	-0.04	-0.07	-0.27	-0.27	-0.07	0.01
		218	0.09	0.03	-0.09	0.02	-0.07	0.04	-0.04	-0.38	-0.25	-0.17	0.17
		219	0.05	0.07	-0.09	-0.02	1.73e-03	0.08	-0.09	-0.24	-0.17	-0.17	0.08
		145	0.52	0.09	-0.05	0.06	-0.02	0.06	1.24	-1.25	-0.06	0.06	1.24
164	51	26	0.10	0.24	-0.10	0.23	-0.08	-0.07	0.20	-0.25	-0.08	0.03	0.22
		218	0.17	0.16	-0.33	0.09	-0.26	0.17	0.36	-0.41	-0.03	-0.01	0.39
		219	0.14	0.22	-0.30	0.03	-0.11	0.25	0.31	-0.30	0.05	-0.04	0.30
		145	0.60	0.10	-0.16	0.10	-0.16	-0.01	1.57	-1.32	0.12	0.13	1.44
164	75	26	0.07	0.21	-0.07	0.20	-0.06	-0.05	0.04	-0.24	-0.19	-0.02	0.11
		218	0.12	0.10	-0.19	0.08	-0.16	0.08	0.15	-0.39	-0.15	-0.09	0.27
		219	0.08	0.12	-0.15	0.02	-0.05	0.13	0.10	-0.26	-0.07	-0.10	0.18
		145	0.56	0.13	-0.10	0.12	-0.09	0.05	1.40	-1.28	0.02	0.10	1.34
165	8	145	0.80	0.10	-0.86	0.09	-0.85	-0.11	2.08	-1.73	0.05	0.31	1.90
		219	0.25	0.23	-1.64	-0.12	-1.29	0.73	0.40	-0.68	-0.31	0.03	0.52
		220	0.24	0.48	-0.64	7.79e-03	-0.17	0.55	0.14	-0.87	-0.11	-0.62	0.43
		146	0.99	0.10	-1.58	0.06	-1.54	0.26	2.02	-2.69	-0.38	-0.29	2.35
165	16	145	0.58	0.07	-0.59	0.06	-0.58	-0.07	1.47	-1.28	-0.02	0.21	1.37
		219	0.18	0.16	-1.12	-0.08	-0.88	0.50	0.28	-0.51	-0.23	2.35e-03	0.38
		220	0.18	0.33	-0.43	6.37e-03	-0.10	0.38	0.08	-0.67	-0.08	-0.51	0.31
		146	0.71	0.07	-1.08	0.04	-1.05	0.19	1.38	-1.99	-0.33	-0.27	1.69
165	24	145	0.47	0.06	-0.17	0.06	-0.17	0.03	1.13	-1.11	-0.13	0.14	1.11
		219	0.15	0.05	-0.34	-0.04	-0.24	0.17	0.22	-0.44	-0.19	-0.03	0.32
		220	0.16	0.18	-0.08	9.48e-03	0.09	0.12	0.04	-0.66	-0.06	-0.56	0.24
		146	0.57	0.06	-0.38	6.54e-03	-0.32	0.15	0.97	-1.69	-0.39	-0.34	1.33
165	25	145	0.44	0.08	-0.08	0.06	-0.06	0.05	1.04	-1.08	-0.16	0.12	1.05
		219	0.14	0.03	-0.15	-0.03	-0.09	0.08	0.20	-0.43	-0.18	-0.05	0.31
		220	0.17	0.16	-0.01	0.01	0.13	0.06	0.02	-0.69	-0.06	-0.60	0.23
		146	0.53	0.08	-0.23	-2.90e-03	-0.14	0.14	0.85	-1.64	-0.42	-0.38	1.25
165	43	145	0.65	0.18	-0.39	0.14	-0.34	0.15	1.89	-1.20	0.09	0.60	1.52
		219	0.33	0.17	-0.54	0.06	-0.43	0.26	1.04	-0.47	0.10	0.47	0.73
		220	0.28	0.19	-0.22	0.06	-0.09	0.19	0.64	-0.69	0.10	-0.14	0.65
		146	0.72	0.10	-0.64	0.05	-0.58	0.19	1.59	-1.86	-0.31	0.04	1.71
165	75	145	0.54	0.13	-0.23	0.10	-0.20	0.10	1.44	-1.14	-0.04	0.35	1.28
		219	0.22	0.09	-0.33	0.01	-0.25	0.17	0.60	-0.45	-0.05	0.20	0.51
		220	0.21	0.15	-0.09	0.03	0.03	0.12	0.29	-0.66	0.02	-0.38	0.43
		146	0.62	0.08	-0.41	0.02	-0.35	0.16	1.20	-1.74	-0.37	-0.18	1.47
166	8	146	0.95	-0.53	-1.58	-0.55	-1.55	0.17	1.93	-2.58	-0.47	-0.18	2.25
		220	0.30	0.11	-1.32	-0.12	-1.09	0.52	0.30	-0.96	-0.06	-0.60	0.57
		221	0.59	0.98	-0.24	-0.03	0.77	0.46	0.01	-2.41	-0.13	-2.27	0.56
		147	0.90	1.32	-3.46	1.25	-3.38	0.60	0.74	-3.11	-0.61	-1.76	1.84

166	16	146	0.68	-0.35	-1.07	-0.37	-1.05	0.12	1.32	-1.91	-0.39	-0.19	1.61
		220	0.22	0.08	-0.89	-0.08	-0.73	0.36	0.20	-0.74	-0.04	-0.50	0.41
		221	0.45	0.70	-0.16	-0.01	0.56	0.32	7.77e-04	-1.86	-0.09	-1.77	0.40
		147	0.65	0.89	-2.36	0.84	-2.30	0.42	0.41	-2.31	-0.50	-1.40	1.29
166	24	146	0.54	-0.03	-0.34	-0.07	-0.30	0.11	0.91	-1.63	-0.46	-0.26	1.27
		220	0.19	0.06	-0.22	-0.05	-0.12	0.13	0.14	-0.71	-0.01	-0.55	0.33
		221	0.44	0.42	4.07e-04	0.03	0.40	0.10	-0.03	-1.84	-0.09	-1.78	0.32
		147	0.48	0.23	-0.77	0.18	-0.73	0.21	0.05	-1.93	-0.49	-1.38	0.88
166	25	146	0.51	0.06	-0.17	1.55e-03	-0.11	0.10	0.80	-1.58	-0.49	-0.30	1.19
		220	0.19	0.09	-0.09	-0.04	0.04	0.08	0.13	-0.73	-8.20e-03	-0.59	0.31
		221	0.46	0.37	0.03	0.04	0.36	0.05	-0.03	-1.90	-0.08	-1.84	0.31
		147	0.45	0.08	-0.39	0.01	-0.33	0.16	-0.07	-1.88	-0.51	-1.44	0.78
166	55	146	0.40	0.49	0.06	0.07	0.49	-0.03	-0.17	-1.70	-0.70	-1.17	0.73
		220	0.30	0.21	-0.10	-0.07	0.18	-0.09	-0.10	-1.27	-0.18	-1.19	-0.29
		221	0.57	0.50	0.13	0.14	0.48	-0.06	-0.45	-2.52	-0.47	-2.50	-0.19
		147	0.53	0.65	-0.29	-0.29	0.65	0.02	-0.78	-2.43	-0.87	-2.34	0.37
166	71	146	0.49	0.16	-0.16	-0.10	0.11	0.12	0.55	-1.67	-0.53	-0.60	1.11
		220	0.22	0.24	-0.06	-0.03	0.21	0.09	-5.62e-03	-0.91	-0.06	-0.86	0.21
		221	0.51	0.44	-0.14	-0.13	0.43	0.09	-0.14	-2.14	-0.17	-2.12	0.22
		147	0.49	0.08	-0.27	-0.03	-0.16	0.16	-0.25	-2.12	-0.61	-1.77	0.73
167	1	147	1.06	-0.06	-0.28	-0.21	-0.13	-0.10	-0.15	-4.49	-0.87	-3.77	1.61
		221	0.81	1.15	-0.33	-0.18	1.00	0.45	-0.03	-3.29	-0.05	-3.26	0.28
		222	1.73	2.00	-0.11	-0.08	1.97	-0.26	0.68	-6.66	0.65	-6.63	0.51
		148	1.07	0.29	-1.47	-0.09	-1.09	0.73	-3.14	-5.01	-3.25	-4.90	0.43
167	9	147	0.78	-0.04	-0.15	-0.11	-0.08	-0.05	-0.15	-3.32	-0.67	-2.80	1.17
		221	0.60	0.78	-0.24	-0.13	0.67	0.31	-0.02	-2.44	-0.04	-2.42	0.21
		222	1.28	1.45	-0.07	-0.05	1.42	-0.18	0.50	-4.93	0.48	-4.90	0.37
		148	0.79	0.20	-1.11	-0.08	-0.83	0.54	-2.35	-3.68	-2.41	-3.62	0.28
167	17	147	0.68	0.22	-3.30e-03	0.17	0.04	0.09	0.05	-2.78	-0.56	-2.17	1.16
		221	0.42	0.16	-0.15	-0.08	0.09	0.13	-0.01	-1.77	-0.03	-1.75	0.18
		222	1.03	0.84	0.03	0.03	0.84	-0.06	0.41	-4.02	0.38	-3.99	0.37
		148	0.58	0.07	-0.96	-0.14	-0.75	0.41	-1.85	-2.68	-1.93	-2.60	0.25
167	25	147	0.66	0.21	-3.53e-03	0.16	0.04	0.09	0.10	-2.69	-0.53	-2.06	1.17
		221	0.40	0.16	-0.15	-0.08	0.09	0.13	-0.01	-1.66	-0.03	-1.64	0.18
		222	0.99	0.83	0.02	0.03	0.83	-0.06	0.40	-3.86	0.37	-3.83	0.36
		148	0.55	0.07	-0.94	-0.14	-0.74	0.41	-1.79	-2.53	-1.89	-2.44	0.25
167	54	147	0.61	0.31	-0.71	-0.41	0.02	-0.46	-0.55	-2.72	-0.75	-2.52	0.64
		221	0.56	0.69	-0.15	-0.15	0.68	-0.05	-0.41	-2.46	-0.45	-2.42	-0.28
		222	1.18	0.19	-0.20	-0.09	0.08	-0.17	0.31	-4.74	0.30	-4.72	-0.27
		148	0.65	0.86	0.03	0.24	0.64	-0.36	-1.57	-3.09	-1.88	-2.78	-0.61
167	70	147	0.69	0.13	0.02	0.02	0.12	-0.02	-0.13	-2.92	-0.63	-2.42	1.07
		221	0.48	0.25	-0.22	-0.22	0.25	-8.56e-03	-0.13	-2.05	-0.14	-2.05	0.11
		222	1.08	0.87	0.03	0.03	0.87	0.02	0.37	-4.23	0.36	-4.22	0.26
		148	0.61	-0.05	-0.68	-0.21	-0.52	0.28	-1.95	-2.82	-1.96	-2.81	0.11
168	1	148	2.08	1.07	0.29	0.45	0.91	0.31	-3.26	-9.76	-3.29	-9.73	-0.45
		222	1.19	0.95	-0.31	-0.28	0.92	0.20	0.55	-4.60	0.40	-4.46	0.84
		217	1.74	2.08	-0.06	0.04	1.98	-0.44	0.09	-7.03	0.08	-7.02	-0.23
		24	1.42	0.12	-1.69	-1.17	-0.40	0.82	-1.51	-6.43	-2.25	-5.69	1.76
168	9	148	1.54	0.83	0.21	0.34	0.70	0.25	-2.42	-7.22	-2.45	-7.19	-0.36
		222	0.88	0.64	-0.22	-0.20	0.62	0.13	0.40	-3.40	0.30	-3.30	0.62
		217	1.28	1.49	-0.02	0.04	1.43	-0.31	0.07	-5.19	0.06	-5.18	-0.18
		24	1.04	0.10	-1.24	-0.86	-0.28	0.60	-1.17	-4.73	-1.69	-4.21	1.26
168	17	148	1.27	0.86	0.14	0.31	0.69	0.31	-1.94	-5.93	-1.96	-5.91	-0.24
		222	0.67	0.08	-0.12	-0.12	0.08	0.02	0.32	-2.62	0.21	-2.51	0.56
		217	1.04	0.80	0.11	0.13	0.78	-0.10	0.06	-4.26	0.06	-4.25	-0.14
		24	0.87	0.07	-0.79	-0.55	-0.16	0.38	-0.94	-3.97	-1.48	-3.43	1.15

168	25	148	1.22	0.85	0.14	0.31	0.68	0.30	-1.90	-5.71	-1.91	-5.69	-0.24
		222	0.64	0.08	-0.12	-0.12	0.07	0.02	0.32	-2.49	0.21	-2.38	0.55
		217	1.01	0.79	0.11	0.13	0.77	-0.10	0.06	-4.10	0.06	-4.10	-0.14
		24	0.84	0.07	-0.78	-0.55	-0.16	0.38	-0.92	-3.81	-1.44	-3.29	1.12
168	54	148	1.55	0.12	-1.03	-0.28	-0.63	-0.54	-1.84	-7.11	-2.06	-6.88	-1.06
		222	0.74	0.45	-1.91e-03	0.07	0.38	-0.17	0.29	-2.89	0.29	-2.89	-0.10
		217	1.22	0.08	-0.15	0.03	-0.10	-0.10	0.31	-4.92	0.24	-4.85	-0.61
		24	0.94	0.54	-0.30	0.39	-0.14	-0.32	-1.42	-4.43	-1.58	-4.28	0.67
168	70	148	1.32	0.56	0.07	0.13	0.50	0.16	-1.98	-6.17	-2.01	-6.14	-0.34
		222	0.72	0.25	-0.15	-0.08	0.18	-0.16	0.27	-2.84	0.21	-2.77	0.45
		217	1.11	0.72	0.09	0.09	0.72	-0.01	0.03	-4.54	0.02	-4.53	-0.22
		24	0.89	-0.02	-0.55	-0.42	-0.16	0.23	-1.11	-4.12	-1.54	-3.70	1.05
169	1	24	1.66	1.74	-1.02	-0.99	1.71	-0.32	-3.18	-7.77	-3.22	-7.74	0.40
		217	1.64	0.90	0.26	0.26	0.90	-0.02	0.75	-6.35	0.71	-6.31	0.53
		223	0.78	0.37	-0.35	-0.34	0.37	-0.03	-0.38	-3.38	-0.41	-3.35	-0.31
		164	0.75	1.36	-0.18	0.59	0.59	-0.77	-0.96	-3.40	-1.15	-3.21	0.65
169	9	24	1.22	1.28	-0.73	-0.71	1.26	-0.22	-2.38	-5.74	-2.40	-5.72	0.26
		217	1.21	0.62	0.18	0.19	0.62	-0.02	0.56	-4.69	0.53	-4.67	0.38
		223	0.57	0.28	-0.23	-0.23	0.28	-7.96e-03	-0.28	-2.49	-0.31	-2.46	-0.24
		164	0.54	0.98	-0.12	0.43	0.43	-0.55	-0.76	-2.49	-0.88	-2.37	0.44
169	17	24	1.01	0.90	-0.36	-0.36	0.89	-0.08	-2.06	-4.79	-2.09	-4.76	0.28
		217	0.99	0.20	0.08	0.10	0.18	-0.05	0.49	-3.86	0.46	-3.83	0.34
		223	0.49	0.23	-0.08	-0.04	0.19	0.10	-0.24	-2.13	-0.26	-2.11	-0.20
		164	0.48	0.55	-0.01	0.26	0.28	-0.28	-0.73	-2.22	-0.87	-2.08	0.44
169	25	24	0.98	0.89	-0.36	-0.35	0.88	-0.08	-2.01	-4.62	-2.04	-4.59	0.25
		217	0.96	0.20	0.08	0.10	0.18	-0.05	0.48	-3.72	0.45	-3.69	0.33
		223	0.48	0.23	-0.08	-0.04	0.19	0.10	-0.23	-2.07	-0.25	-2.04	-0.20
		164	0.47	0.54	-0.01	0.26	0.27	-0.28	-0.71	-2.16	-0.85	-2.02	0.42
169	54	24	0.91	0.39	-0.78	0.21	-0.60	-0.41	-1.85	-4.28	-1.87	-4.27	-0.18
		217	1.13	0.31	-0.11	0.14	0.05	-0.21	0.69	-4.31	0.68	-4.31	-0.11
		223	0.70	0.27	-0.40	0.07	-0.19	-0.31	0.04	-2.88	-0.19	-2.65	-0.78
		164	0.36	0.06	-0.57	-0.13	-0.38	-0.29	-0.72	-1.69	-0.72	-1.68	-0.07
169	86	24	0.93	0.30	-0.23	-0.07	0.14	-0.24	-1.96	-4.45	-1.96	-4.44	0.05
		217	1.03	0.24	-8.13e-03	0.11	0.12	-0.12	0.57	-3.99	0.56	-3.99	0.12
		223	0.57	0.10	-0.10	0.01	-6.10e-03	-0.10	-0.12	-2.44	-0.22	-2.34	-0.47
		164	0.40	0.28	-0.27	0.06	-0.05	-0.27	-0.76	-1.90	-0.79	-1.87	0.19
170	1	164	0.67	0.55	0.11	0.14	0.52	-0.12	-1.44	-3.16	-1.46	-3.14	0.18
		223	0.78	0.31	-0.21	-0.08	0.19	0.22	0.16	-3.16	0.11	-3.11	0.39
		224	0.21	0.28	-0.21	-0.20	0.28	-0.03	0.21	-0.77	-0.27	-0.29	-0.49
		188	0.21	0.08	-0.41	-0.25	-0.08	-0.23	-0.21	-0.95	-0.93	-0.23	-0.12
170	9	164	0.49	0.41	0.08	0.10	0.38	-0.09	-1.10	-2.33	-1.10	-2.32	0.08
		223	0.58	0.21	-0.14	-0.06	0.12	0.15	0.12	-2.34	0.09	-2.30	0.29
		224	0.16	0.20	-0.14	-0.14	0.20	-9.60e-03	0.15	-0.59	-0.21	-0.23	-0.37
		188	0.16	0.06	-0.28	-0.17	-0.05	-0.16	-0.17	-0.73	-0.71	-0.19	-0.10
170	17	164	0.43	0.30	0.04	0.08	0.26	-0.10	-1.04	-2.07	-1.06	-2.05	0.14
		223	0.51	0.03	-0.06	-0.02	-6.16e-03	0.04	0.13	-2.04	0.09	-2.00	0.27
		224	0.15	0.13	-0.04	-8.76e-03	0.10	0.06	0.13	-0.55	-0.18	-0.24	-0.34
		188	0.17	0.02	-0.06	-0.05	0.01	-0.02	-0.18	-0.76	-0.75	-0.19	-0.09
170	25	164	0.42	0.29	0.04	0.08	0.25	-0.09	-1.02	-2.01	-1.04	-1.99	0.13
		223	0.49	0.03	-0.06	-0.02	-6.20e-03	0.04	0.12	-1.98	0.09	-1.94	0.27
		224	0.15	0.13	-0.04	-8.68e-03	0.10	0.06	0.13	-0.54	-0.17	-0.24	-0.34
		188	0.17	0.02	-0.06	-0.05	0.01	-0.02	-0.18	-0.76	-0.75	-0.19	-0.08
170	51	164	0.50	0.60	9.51e-03	0.01	0.60	-0.03	-0.89	-2.35	-1.07	-2.17	0.48
		223	0.59	0.15	-0.21	-0.10	0.04	0.16	0.17	-2.35	7.55e-03	-2.19	0.62
		224	0.13	0.45	-0.18	-0.10	0.36	0.22	-0.41	-0.61	-0.41	-0.61	-7.31e-03
		188	0.23	0.10	-0.18	-0.18	0.10	-0.01	-0.38	-1.07	-0.94	-0.50	0.26

170	83	164	0.46	0.42	0.03	0.04	0.41	-0.06	-0.97	-2.16	-1.05	-2.08	0.30
		223	0.53	0.09	-0.13	-0.06	0.02	0.10	0.14	-2.15	0.05	-2.06	0.43
		224	0.12	0.28	-0.11	-0.05	0.22	0.13	-0.16	-0.54	-0.28	-0.41	-0.18
		188	0.18	0.06	-0.12	-0.12	0.05	-0.02	-0.33	-0.85	-0.84	-0.34	0.08

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**
			-13.57	-8.38	-6.47	-8.33		-72.64	-33.71	-46.06	-33.96
	16.71	15.33		10.47	5.48	9.68	56.89		16.24	28.51	32.33

VERIFICHE PER ELEMENTI IN ACCIAIO

LEGENDA TABELLA VERIFICHE PER ELEMENTI IN ACCIAIO

Il programma consente la verifica dei seguenti tipi di elementi:

1. **aste** 2. **travi** 3. **pilastri**

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

Ok: verifica con esito positivo

NV: verifica con esito negativo

Nr: verifica non richiesta.

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

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

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

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

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

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

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

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

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

Asta **Trave** **Pilastro**	numero dell’elemento
Stato	codice di verifica per resistenza, stabilità, svergolamento
Note	sezione e materiali adottati per l’elemento
V N	(ASTE) verifica come da par. 4.2.4.1.2 per punto (4.2.6) e (4.2.10)
V V/T	(TRAVI E PILASTRI) verifica di resistenza come da par. 4.2.4.1.2 per azioni taglio-torsione (4.2.16 e 4.2.28)
V N/M	(TRAVI E PILASTRI) verifica di resistenza come da par. 4.2.4.1.2 per azioni composte (4.2.33) con riduzione per taglio (4.2.40) ove richiesto
N **M3** **M2** **V2** **V3** **T**	sollecitazioni di interesse per la verifica
V stab	(ASTE) verifica come da par. 4.2.4.1.3.1 per punto (4.2.41)
V stab	(TRAVI E PILASTRI) verifica come da par. 4.2.4.1.3 per punti (C4.2.32) o (C4.2.36) (membrature inflesse e compresse senza/con presenza di instabilità flesso-torsionale)
BetaxL **B22xL** **B33xL**	lunghezze libere di inflessione (se indicato riferiti al piano di normale 22 o 33 rispettivamente)
Snellezza	snellezza massima
Classe	classe del profilo
Chi mn	coefficiente di riduzione (della capacità) per la modalità di instabilità pertinente
Rif. cmb	combinazioni in cui si sono rispettivamente attinti i valori di verifica più elevati

V flst	(TRAVI E PILASTRI) verifica di stabilità come da par. 4.2.4.1.3.2 per punto (4.2.48)
B1-1 x L	Beta1-1 x L: interasse tra i ritegni torsionali
Chi LT	coefficiente di riduzione (della capacità) per la modalità di instabilità flesso-torsionale
Snell adim	Valore della snellezza adimensionale, utilizzato per il controllo previsto al par. 7.5.5
v.Omeg	Valore del rapporto capacità/domanda per l' azione di interesse (momento per travi e azione assiale per aste) utilizzato per l' amplificazione delle azioni
f.Om. N	Fattore di amplificazione delle azioni assiali per travi e colonne (prodotto di 1.1 x Omega x gamma rd materiale); utilizzato come specificato al par. 7.5.5
f.Om. T	Fattore di amplificazione delle azioni (assiali, flettenti e taglianti) per colonne (prodotto di 1.1 x Omega x gamma rd materiale); utilizzato come specificato al par. 7.5.4
V.7.5.4 M Ed	Verifica come prevista al punto 7.5.4 e valore dell' azione flettente
V.7.5.5 N Ed	Verifica come prevista al punto 7.5.5 e valore dell' azione assiale
V.7.5.6 V Ed,G V Ed,M	Verifica come prevista al punto 7.5.6 e valore dei tagli dovuti ai carichi e alla capacità
V.7.5.10 V Ed	Verifica come prevista al punto 7.5.10 e valore dell' azione di taglio
sovr. Xi (Xf, Yi, Yf)	Valore della sovraresistenza come prevista al par. 7.5.4.2 (i valori non sono normalizzati pertanto saranno maggiori uguali a gamma rd in base alla classe di duttilità)

Nel caso in cui lambdaS sia minore di 0.2, oppure nel caso in cui la sollecitazione di calcolo NEd sia inferiore a 0.04 Ncr, gli effetti legati ai fenomeni di instabilità sono trascurati, come da paragrafo 4.2.4.1.3.1

Asta	Stato	Note	V N	N	V stab	N	Cl.	Beta x L	Snell.	LambdaS	Chi mn	v.Omeg	Rif. cmb
				kN		kN		cm					
1	ok	s=5,m=11	0.02	2.6			1	452.9	603.9	6.43	0.02	0.0	35,0
2	ok	s=5,m=11	0.02	2.7			1	452.9	603.9	6.43	0.02	0.0	31,0
3	ok	s=5,m=11	0.02	2.9			1	512.9	683.9	7.28	0.02	0.0	35,0
4	ok	s=5,m=11	0.02	3.1			1	512.9	683.9	7.28	0.02	0.0	6,0
5	ok	s=5,m=11	0.02	2.7			1	473.9	631.9	6.73	0.02	0.0	5,0
6	ok	s=5,m=11	0.02	2.9			1	473.9	631.9	6.73	0.02	0.0	31,0
7	ok	s=5,m=11	9.62e-03	1.5			1	499.5	666.0	7.09	0.02	0.0	7,0
8	ok	s=5,m=11	0.10	16.6			1	561.4	748.6	7.97	0.01	0.0	8,0
9	ok	s=5,m=11	0.01	2.0			1	499.5	666.0	7.09	0.02	0.0	7,0
10	ok	s=5,m=11	0.09	14.6			1	561.4	748.6	7.97	0.01	0.0	8,0
11	ok	s=5,m=11	0.0	-9.67e-05			1	444.3	592.4	6.31	0.02	0.0	7,0
12	ok	s=5,m=11	0.09	14.5			1	444.3	592.4	6.31	0.02	0.0	6,0
13	ok	s=5,m=11	0.0	-9.71e-05			1	398.6	531.5	5.66	0.03	0.0	54,0
14	ok	s=5,m=11	0.10	15.5			1	398.6	531.5	5.66	0.03	0.0	5,0

Asta			V N	N	V stab	N		Beta x L	Snell.	LambdaS	Chi mn	v.Omeg	
				-9.71e-05						5.66	0.01	0.0	
			0.10	16.57				561.43	748.57	7.97		0.0	

Trave	Stato	Note	V V/T	V N/M	V stab	Cl.	LamS 22	LamS 33	Snell.	Chi mn	V flst	LamS LT	Chi LT	Rif. cmb
17	ok	s=4,m=11	0.03	0.07	0.08	1	1.2	0.3	111.4	0.49	0.07	0.6	0.94	2,4,4,1
18	ok	s=3,m=11	0.03	0.10	0.07	1	0.4	0.2	36.4	0.90	0.10	0.1	1.00	3,2,7,3
21	ok	s=4,m=11	0.01	0.03	0.03	1	1.0	0.3	98.5	0.57	0.03	0.5	0.97	4,4,2,1

22	ok	s=4,m=11	0.02	0.06	0.07	1	1.4	0.4	133.3	0.37	0.06	0.6	0.88	4,43,1,1
23	ok	s=4,m=11	0.02	0.07	0.05	1	1.2	0.3	111.4	0.49	0.04	0.6	0.94	4,50,2,1
24	ok	s=4,m=11	0.02	0.07	0.09	1	1.4	0.4	133.3	0.37	0.06	0.6	0.88	4,51,4,1
25	ok	s=4,m=11	0.02	0.07	0.07	1	1.2	0.3	111.4	0.49	0.04	0.6	0.94	4,42,8,1
26	ok	s=3,m=11	0.02	0.07	0.07	1	0.4	0.2	36.4	0.90	0.06	0.3	1.00	4,4,4,4
27	ok	s=3,m=11	0.03	0.10	0.07	1	0.4	0.2	36.4	0.90	0.09	0.1	1.00	3,1,7,3
28	ok	s=3,m=11	0.02	0.06	0.06	1	0.4	0.2	36.4	0.90	0.06	0.3	1.00	4,4,4,4
29	ok	s=4,m=11	0.03	0.06	0.06	1	1.0	0.3	98.5	0.57	0.05	0.5	0.97	2,4,4,1
30	ok	s=4,m=11	0.04	0.10	0.12	1	1.4	0.4	133.3	0.37	0.11	0.6	0.88	1,4,4,1
31	ok	s=3,m=11	0.03	0.10	0.10	1	0.4	0.2	36.4	0.90	0.10	0.1	1.00	3,1,3,3
32	ok	s=3,m=11	0.03	0.09	0.10	1	0.4	0.2	36.4	0.90	0.09	0.1	1.00	3,2,4,3
33	ok	s=3,m=11	0.02	0.06	0.06	1	0.4	0.2	36.4	0.90	0.06	0.3	1.00	4,4,4,4
34	ok	s=3,m=11	0.02	0.07	0.07	1	0.4	0.2	36.4	0.90	0.06	0.3	1.00	4,2,4,4
40	ok	s=4,m=11	0.01	0.03	0.04	1	1.0	0.3	98.5	0.57	0.03	0.5	0.97	4,4,4,1
41	ok	s=3,m=11	3.94e-03	0.01	0.01	1	0.5	0.3	44.1	0.86	5.05e-03	0.2	1.00	8,43,43,5

Trave	**V V/T**	**V N/M**	**V stab**	**LamS 22**	**LamS 33**	**Snell.**	**Chi mn**	**V flst**	**LamS LT**	**Chi LT**
							0.37			0.88
	0.04	0.10	0.12	1.42	0.38	133.31		0.11	0.65	

Trave	**v.Omeg**	**f.Om. N**	**Stato**	**V N/M**	**V stab**	**Rif. cmb**	**V[7.5.4]**	**M Ed**	**V[7.5.5]**	**N Ed**	**V[7.5.6]**	**V Ed,G**	**V Ed,M**
								kN m		kN		kN	kN
17							0.0	0.0	0.0	0.0	0.0	0.0	0.0
18							0.0	0.0	0.0	0.0	0.0	0.0	0.0
21							0.0	0.0	0.0	0.0	0.0	0.0	0.0
22							0.0	0.0	0.0	0.0	0.0	0.0	0.0
23							0.0	0.0	0.0	0.0	0.0	0.0	0.0
24							0.0	0.0	0.0	0.0	0.0	0.0	0.0
25							0.0	0.0	0.0	0.0	0.0	0.0	0.0
26							0.0	0.0	0.0	0.0	0.0	0.0	0.0
27							0.0	0.0	0.0	0.0	0.0	0.0	0.0
28							0.0	0.0	0.0	0.0	0.0	0.0	0.0
29							0.0	0.0	0.0	0.0	0.0	0.0	0.0
30							0.0	0.0	0.0	0.0	0.0	0.0	0.0
31							0.0	0.0	0.0	0.0	0.0	0.0	0.0
32							0.0	0.0	0.0	0.0	0.0	0.0	0.0
33							0.0	0.0	0.0	0.0	0.0	0.0	0.0
34							0.0	0.0	0.0	0.0	0.0	0.0	0.0
40							0.0	0.0	0.0	0.0	0.0	0.0	0.0
41							0.0	0.0	0.0	0.0	0.0	0.0	0.0

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

Pilas.	**Stato**	**Note**	**V V/T**	**V N/M**	**V stab**	**Cl.**	**LamS 22**	**LamS 33**	**Snell.**	**Chi mn**	**V flst**	**LamS LT**	**Chi LT**	**Rif. cmb**
15	ok	s=1,m=11	0.01	0.03	0.03	4	2.66e-02	2.66e-02	2.5	1.00				43,3,3,0
16	ok	s=1,m=11	0.01	0.03	0.02	4	2.66e-02	2.66e-02	2.5	1.00				34,3,3,0
19	ok	s=1,m=11	0.03	0.19	0.19	4	0.4	0.4	38.3	0.95				7,7,7,0
20	ok	s=1,m=11	0.03	0.18	0.18	4	0.4	0.4	38.3	0.95				7,7,7,0
35	ok	s=1,m=11	0.02	0.16	0.13	4	0.3	0.3	27.5	0.98				8,6,4,0
36	ok	s=1,m=11	0.01	0.13	0.11	4	0.3	0.3	27.5	0.98				8,5,4,0
37	ok	s=1,m=11	0.02	0.14	0.14	4	0.4	0.4	38.3	0.95				7,7,7,0

38	ok	s=1,m=11	0.02	0.12	0.12	4	0.4	0.4	38.3	0.95		7,6,7,0
39	ok	s=1,m=11	0.01	0.14	0.12	4	0.3	0.3	25.0	0.99		8,7,7,0
42	ok	s=1,m=11	0.02	0.14	0.13	4	0.3	0.3	25.0	0.99		8,7,7,0

Pilas.	V V/T	V N/M	V stab	LamS 22	LamS 33	Snell.	Chi mn	V flst	LamS LT	Chi LT
							0.95			
	0.03	0.19	0.19	0.41	0.41	38.32				

Pilas.	f.Om. N	f.Om. T	Stato	V V/T	V N/M	V stab	V flst	Rif. cmb	V[7.5.10]	V Ed	sovr. Xi	sovr. Xf	sovr. Yi	sovr. Yf
										kN				
15	0.0	0.0	ok	0.0	0.0			0,0,0,0						
16	0.0	0.0	ok	0.0	0.0			0,0,0,0						
19	0.0	0.0	ok	0.0	0.0			0,0,0,0						
20	0.0	0.0	ok	0.0	0.0			0,0,0,0						
35	0.0	0.0	ok	0.0	0.0			0,0,0,0						
36	0.0	0.0	ok	0.0	0.0			0,0,0,0						
37	0.0	0.0	ok	0.0	0.0			0,0,0,0						
38	0.0	0.0	ok	0.0	0.0			0,0,0,0						
39	0.0	0.0	ok	0.0	0.0			0,0,0,0						
42	0.0	0.0	ok	0.0	0.0			0,0,0,0						

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

STATI LIMITE D' ESERCIZIO ACCIAIO

LEGENDA TABELLA STATI LIMITE D' ESERCIZIO ACCIAIO

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

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

I valori di interesse sono i seguenti:

f*1000/L	massima deformazione normalizzata in combinazioni rare

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

Trave	f*1000/L	Trave	f*1000/L	Trave	f*1000/L	Trave	f*1000/L	Trave	f*1000/L	Trave	f*1000/L	Trave	f*1000/L
17	0.7	18	1.3	21	5.58e-02	22	0.7	23	0.7	24	0.7	25	0.7
26	0.4	27	1.2	28	0.9	29	9.75e-02	30	0.7	31	0.3	32	0.3
33	0.3	34	1.0	40	8.03e-02	41	8.02e-02						

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	50.00	3	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
									kN/ m	kN/ m	kN/ m	kN	kN	kN
2	ok	0.11	0.3	1.93e-03	12.7	12.7	12.7	12.7	-3.3	-2.2	7.1	-33.7	-37.0	22.0
17	ok	0.11	0.3	1.26e-03	12.7	12.7	12.7	12.7	-0.7	1.1	1.2	-33.3	-46.1	32.3
18	ok	0.11	0.3	1.13e-03	12.7	12.7	12.7	12.7	-0.8	1.2	-1.2	-29.6	-38.5	-26.4
20	ok	0.11	0.2	1.89e-03	12.7	12.7	12.7	12.7	-3.7	-2.0	-8.3	-30.1	-35.0	-21.5
23	ok	0.11	8.91e-02	7.93e-04	12.7	12.7	12.7	12.7	0.2	-0.3	1.8	-12.2	-11.8	7.3
24	ok	0.11	7.68e-02	6.28e-04	12.7	12.7	12.7	12.7	2.13e-02	-0.3	-1.7	-10.3	-11.3	-5.8
25	ok	0.11	5.66e-03	1.36e-04	12.7	12.7	12.7	12.7	0.9	-7.81e-02	0.1	-0.6	-0.3	-0.5
26	ok	0.11	5.91e-03	1.28e-04	12.7	12.7	12.7	12.7	0.9	-4.59e-02	-0.1	-0.3	-0.2	0.4
27	ok	0.11	1.41e-02	2.53e-04	12.7	12.7	12.7	12.7	0.3	-0.5	-0.4	0.5	0.8	-2.1
28	ok	0.11	3.28e-02	3.23e-04	12.7	12.7	12.7	12.7	-0.6	2.21e-03	0.5	-5.7	-0.1	-3.1
29	ok	0.11	2.71e-02	1.34e-04	12.7	12.7	12.7	12.7	0.6	0.5	-0.4	-5.8	-9.24e-02	-0.7
30	ok	0.11	1.48e-02	4.02e-04	12.7	12.7	12.7	12.7	-0.7	-1.8	-0.1	-0.8	0.3	-2.6
31	ok	0.11	3.45e-02	5.58e-04	12.7	12.7	12.7	12.7	-0.7	-0.1	1.0	-6.2	-0.2	-3.0
32	ok	0.11	2.94e-02	7.77e-04	12.7	12.7	12.7	12.7	-1.0	0.2	1.1	1.7	3.4	3.7
33	ok	0.11	7.50e-02	9.12e-04	12.7	12.7	12.7	12.7	-5.50e-02	0.3	-0.2	2.9	5.8	-11.7
34	ok	0.11	0.1	1.12e-03	12.7	12.7	12.7	12.7	-0.6	0.3	-1.17e-02	0.7	16.5	-13.0
35	ok	0.11	0.1	1.55e-03	12.7	12.7	12.7	12.7	1.7	-0.4	-0.4	-4.3	-24.3	7.0
36	ok	0.11	7.61e-02	8.65e-04	12.7	12.7	12.7	12.7	-0.8	-0.5	-0.7	-12.4	-8.0	-5.9
37	ok	0.11	5.55e-02	5.14e-04	12.7	12.7	12.7	12.7	-1.0	-0.3	0.7	-11.1	-0.4	-3.2
38	ok	0.11	5.13e-02	7.88e-04	12.7	12.7	12.7	12.7	-1.5	-0.8	-0.4	-11.0	-0.4	-1.0
39	ok	0.11	5.69e-02	5.24e-04	12.7	12.7	12.7	12.7	-1.0	-0.3	0.6	-11.4	-1.1	-3.1
40	ok	0.11	5.46e-02	8.27e-04	12.7	12.7	12.7	12.7	-1.4	0.3	1.0	-11.1	-2.0	-2.5
41	ok	0.11	5.26e-02	8.84e-04	12.7	12.7	12.7	12.7	-1.8	0.9	-7.43e-03	-10.5	-3.4	-1.8
42	ok	0.11	5.04e-02	5.10e-04	12.7	12.7	12.7	12.7	-0.3	1.4	-0.2	-10.4	-3.0	-1.9
43	ok	0.11	8.74e-02	4.51e-04	12.7	12.7	12.7	12.7	-3.2	-1.0	-0.2	-17.9	-2.1	-3.3
44	ok	0.11	9.29e-02	6.77e-04	12.7	12.7	12.7	12.7	-1.3	-4.90e-02	7.20e-02	-20.0	-7.71e-02	-0.8
45	ok	0.11	7.26e-02	3.29e-04	12.7	12.7	12.7	12.7	-0.7	8.13e-02	-2.07e-02	-15.3	-0.6	-2.2
46	ok	0.11	7.49e-02	2.88e-04	12.7	12.7	12.7	12.7	-1.4	-0.8	-0.2	-15.4	-1.9	-2.3
47	ok	0.11	6.84e-02	7.05e-04	12.7	12.7	12.7	12.7	1.2	0.6	-0.2	-14.6	-1.6	-1.4
48	ok	0.11	6.58e-02	1.98e-04	12.7	12.7	12.7	12.7	0.5	0.5	0.6	-14.1	-1.9	-1.2
49	ok	0.11	0.1	1.35e-03	12.7	12.7	12.7	12.7	-2.1	0.8	-0.5	-26.6	1.3	-7.7
50	ok	0.11	2.29e-02	4.12e-04	12.7	12.7	12.7	12.7	-0.3	-7.54e-02	3.02e-02	-4.5	0.2	0.5
51	ok	0.11	8.96e-02	4.82e-04	12.7	12.7	12.7	12.7	-1.0	-0.3	0.4	-19.0	-1.6	-1.1
52	ok	0.11	8.86e-02	4.37e-04	12.7	12.7	12.7	12.7	-0.6	-0.3	-8.57e-02	-19.0	-2.1	-1.5
53	ok	0.11	8.34e-02	3.91e-04	12.7	12.7	12.7	12.7	0.7	0.2	0.4	-17.8	-2.3	-1.1
54	ok	0.11	8.26e-02	1.63e-04	12.7	12.7	12.7	12.7	2.1	-0.4	0.5	-17.1	-1.7	-2.0
55	ok	0.11	0.2	1.59e-03	12.7	12.7	12.7	12.7	-1.1	-1.3	-0.1	-32.2	-3.3	9.5
56	ok	0.11	1.80e-02	6.55e-04	12.7	12.7	12.7	12.7	3.0	0.2	-1.0	1.6	0.3	-1.2
57	ok	0.11	0.1	6.95e-04	12.7	12.7	12.7	12.7	-1.9	-0.3	0.6	-23.9	-1.9	-0.2
58	ok	0.11	0.1	5.28e-04	12.7	12.7	12.7	12.7	-2.3	4.4	0.8	-26.6	-5.7	-2.2
59	ok	0.11	0.1	1.98e-04	12.7	12.7	12.7	12.7	0.3	1.3	0.4	-22.8	-3.3	-1.4
60	ok	0.11	0.1	1.77e-04	12.7	12.7	12.7	12.7	1.5	1.1	0.5	-21.5	-2.1	-1.5
61	ok	0.11	0.1	7.32e-04	12.7	12.7	12.7	12.7	-2.5	-0.6	-0.4	-24.6	-0.6	0.9
62	ok	0.11	0.1	1.22e-03	12.7	12.7	12.7	12.7	-5.0	-0.2	0.7	-25.9	-0.1	1.7
63	ok	0.11	0.1	9.62e-04	12.7	12.7	12.7	12.7	-3.1	-1.1	-0.3	-25.1	-2.5	-0.2
64	ok	0.11	0.1	7.50e-04	12.7	12.7	12.7	12.7	-3.6	-1.0	-2.8	-24.5	-4.4	-1.2
65	ok	0.11	0.1	5.30e-04	12.7	12.7	12.7	12.7	-0.3	0.2	0.5	-24.1	-3.9	1.0

66	ok	0.11	0.1	4.08e-04	12.7	12.7	12.7	12.7	-0.5	-0.2	2.6	-21.2	-3.6	3.3
67	ok	0.11	0.1	5.98e-04	12.7	12.7	12.7	12.7	-2.9	-0.2	-0.8	-27.2	-0.9	1.1
68	ok	0.11	0.1	7.10e-04	12.7	12.7	12.7	12.7	-3.2	-8.23e-02	-0.3	-26.9	0.3	0.1
69	ok	0.11	0.1	1.09e-03	12.7	12.7	12.7	12.7	-5.3	-1.5	-3.0	-27.3	-3.1	1.2
70	ok	0.11	0.1	1.18e-03	12.7	12.7	12.7	12.7	-3.7	-1.6	-5.7	-29.6	-6.6	-2.2
71	ok	0.11	0.1	9.69e-04	12.7	12.7	12.7	12.7	-1.6	-0.9	-0.6	-24.2	-16.2	4.6
72	ok	0.11	0.1	1.03e-03	12.7	12.7	12.7	12.7	-1.5	-0.5	4.8	-27.1	-4.6	5.4
73	ok	0.11	0.1	5.26e-04	12.7	12.7	12.7	12.7	-1.8	-6.91e-02	-0.4	-26.5	-0.8	1.3
74	ok	0.11	0.1	7.08e-04	12.7	12.7	12.7	12.7	-2.8	-0.1	0.3	-26.2	-6.79e-02	0.3
75	ok	0.11	0.1	6.83e-04	12.7	12.7	12.7	12.7	-1.3	-1.0	-0.9	-27.0	-3.0	1.4
76	ok	0.11	0.1	1.79e-03	12.7	12.7	12.7	12.7	5.0	-1.2	3.2	-21.7	-15.4	1.7
77	ok	0.11	6.87e-02	8.25e-04	12.7	12.7	12.7	12.7	1.4	-0.8	-1.2	-13.5	-0.9	-4.2
78	ok	0.11	0.1	1.59e-03	12.7	12.7	12.7	12.7	-4.6	-1.9	5.3	-25.3	-13.5	5.0
79	ok	0.11	0.1	4.23e-04	12.7	12.7	12.7	12.7	-0.8	-0.1	-9.05e-03	-23.1	-0.7	1.7
80	ok	0.11	0.1	6.32e-04	12.7	12.7	12.7	12.7	-2.7	-0.1	0.3	-23.0	1.12e-03	0.4
81	ok	0.11	0.1	2.73e-04	12.7	12.7	12.7	12.7	3.9	-0.6	-1.3	-23.0	-2.2	1.6
82	ok	0.11	0.1	4.13e-04	12.7	12.7	12.7	12.7	4.9	-1.6	-0.8	-22.5	-3.2	1.9
83	ok	0.11	0.1	6.39e-04	12.7	12.7	12.7	12.7	4.7	0.3	4.1	-20.3	-18.3	8.9
84	ok	0.11	0.1	5.70e-04	12.7	12.7	12.7	12.7	6.2	-1.5	0.4	-22.1	-3.4	2.5
85	ok	0.11	9.45e-02	3.64e-04	12.7	12.7	12.7	12.7	-0.7	-0.1	0.2	-20.1	-0.5	2.2
86	ok	0.11	9.30e-02	5.62e-04	12.7	12.7	12.7	12.7	-2.5	-0.1	0.3	-20.1	-6.91e-03	0.5
87	ok	0.11	9.47e-02	1.93e-04	12.7	12.7	12.7	12.7	1.0	-0.2	0.3	-20.1	-1.5	2.2
88	ok	0.11	9.59e-02	3.16e-04	12.7	12.7	12.7	12.7	3.2	-0.5	-0.5	-20.2	-2.2	2.3
89	ok	0.11	9.56e-02	3.33e-04	12.7	12.7	12.7	12.7	5.0	-0.6	-0.5	-20.2	-2.5	2.4
90	ok	0.11	9.59e-02	3.09e-04	12.7	12.7	12.7	12.7	6.1	-0.6	0.4	-20.2	-2.2	2.4
91	ok	0.11	8.84e-02	3.46e-04	12.7	12.7	12.7	12.7	-0.5	-0.1	0.1	-18.8	-0.5	2.4
92	ok	0.11	8.66e-02	5.35e-04	12.7	12.7	12.7	12.7	-2.4	-0.1	0.3	-18.7	-2.74e-03	0.5
93	ok	0.11	8.89e-02	1.67e-04	12.7	12.7	12.7	12.7	1.3	-0.3	0.2	-18.8	-1.3	2.5
94	ok	0.11	8.94e-02	2.68e-04	12.7	12.7	12.7	12.7	2.9	-1.5	0.9	-18.9	-2.1	2.2
95	ok	0.11	9.06e-02	2.96e-04	12.7	12.7	12.7	12.7	4.7	-2.0	1.0	-18.6	-3.9	3.3
96	ok	0.11	9.00e-02	2.58e-04	12.7	12.7	12.7	12.7	5.8	-0.4	0.5	-19.0	-2.1	2.4
97	ok	0.11	8.93e-02	3.80e-04	12.7	12.7	12.7	12.7	-0.5	-0.1	-4.11e-02	-18.9	-0.6	2.7
98	ok	0.11	8.72e-02	5.80e-04	12.7	12.7	12.7	12.7	-2.3	-0.1	-0.2	-18.8	-1.37e-02	0.3
99	ok	0.11	8.91e-02	2.82e-04	12.7	12.7	12.7	12.7	3.8	-0.7	1.0	-18.7	-1.7	2.9
100	ok	0.11	8.79e-02	3.83e-04	12.7	12.7	12.7	12.7	2.3	0.3	3.0	-17.9	-2.8	2.8
101	ok	0.11	0.1	5.62e-04	12.7	12.7	12.7	12.7	4.6	-2.2	4.0	-20.4	-12.8	8.7
102	ok	0.11	9.14e-02	4.59e-04	12.7	12.7	12.7	12.7	4.4	-1.7	-0.2	-17.6	-3.1	1.8
103	ok	0.11	9.28e-02	4.91e-04	12.7	12.7	12.7	12.7	-1.4	-2.90e-02	0.4	-19.5	-0.6	3.2
104	ok	0.11	8.93e-02	6.62e-04	12.7	12.7	12.7	12.7	-2.6	-0.1	0.2	-19.3	8.01e-02	0.6
105	ok	0.11	9.50e-02	5.06e-04	12.7	12.7	12.7	12.7	-1.5	-1.3	0.6	-19.4	-2.9	3.5
106	ok	0.11	0.1	1.86e-03	12.7	12.7	12.7	12.7	-8.6	-4.2	5.3	-20.7	-7.8	4.4
107	ok	0.11	6.17e-02	5.22e-04	12.7	12.7	12.7	12.7	-1.0	1.2	1.5	6.5	-9.9	5.1
108	ok	0.11	0.1	1.68e-03	12.7	12.7	12.7	12.7	-5.3	-2.8	-5.5	-18.6	-12.8	-1.1
109	ok	0.11	8.57e-02	4.73e-04	12.7	12.7	12.7	12.7	-2.9	-0.3	0.3	-17.7	-0.7	3.3
110	ok	0.11	8.26e-02	6.81e-04	12.7	12.7	12.7	12.7	-2.8	-0.1	0.2	-17.8	3.97e-02	0.6
111	ok	0.11	8.84e-02	9.88e-04	12.7	12.7	12.7	12.7	-5.0	-2.3	3.0	-18.3	-2.6	3.5
112	ok	0.11	0.1	1.09e-03	12.7	12.7	12.7	12.7	-2.7	-2.7	5.1	-22.0	-6.9	7.3
113	ok	0.11	9.43e-02	9.94e-04	12.7	12.7	12.7	12.7	-1.6	-2.1	5.1	-13.1	12.5	8.3
114	ok	0.11	0.1	1.12e-03	12.7	12.7	12.7	12.7	-2.4	-1.5	-5.3	-21.4	-6.8	-3.5
115	ok	0.11	7.04e-02	6.10e-04	12.7	12.7	12.7	12.7	-3.8	-3.37e-02	1.0	-14.3	-0.5	3.8
116	ok	0.11	6.82e-02	7.20e-04	12.7	12.7	12.7	12.7	-3.2	-6.81e-02	-0.1	-14.7	3.70e-02	0.3
117	ok	0.11	7.08e-02	5.69e-04	12.7	12.7	12.7	12.7	-3.6	-0.5	1.3	-14.2	-1.6	3.9
118	ok	0.11	7.11e-02	5.00e-04	12.7	12.7	12.7	12.7	-2.6	0.3	0.4	-14.1	-2.3	4.0
119	ok	0.11	7.12e-02	5.25e-04	12.7	12.7	12.7	12.7	-1.1	0.4	-3.08e-02	-14.1	-2.6	4.0
120	ok	0.11	7.13e-02	4.42e-04	12.7	12.7	12.7	12.7	8.98e-02	0.5	-1.0	-14.2	-2.5	3.4
121	ok	0.11	5.80e-02	5.96e-04	12.7	12.7	12.7	12.7	-4.1	-9.36e-02	-0.4	-10.8	-0.4	4.1

122	ok	0.11	5.49e-02	8.33e-04	12.7	12.7	12.7	12.7	-2.9	1.37e-03	-3.70e-02	-11.8	2.16e-03	0.6
123	ok	0.11	5.83e-02	4.15e-04	12.7	12.7	12.7	12.7	-2.8	5.56e-02	-2.79e-02	-10.9	-1.1	4.1
124	ok	0.11	5.84e-02	2.87e-04	12.7	12.7	12.7	12.7	-1.8	-7.51e-02	-0.1	-11.0	-1.9	4.0
125	ok	0.11	5.84e-02	2.20e-04	12.7	12.7	12.7	12.7	-0.3	0.4	-1.0	-11.2	-2.2	3.8
126	ok	0.11	5.84e-02	2.16e-04	12.7	12.7	12.7	12.7	0.9	0.4	-1.4	-11.3	-2.0	3.6
127	ok	0.11	4.64e-02	5.26e-04	12.7	12.7	12.7	12.7	-2.2	1.22e-02	-0.5	-9.2	-0.4	2.9
128	ok	0.11	4.22e-02	7.24e-04	12.7	12.7	12.7	12.7	-2.5	5.70e-04	-5.53e-02	-9.1	-4.20e-03	0.6
129	ok	0.11	4.71e-02	4.13e-04	12.7	12.7	12.7	12.7	-1.8	0.2	-0.7	-9.3	-1.2	2.8
130	ok	0.11	4.73e-02	3.65e-04	12.7	12.7	12.7	12.7	-1.5	0.3	-0.8	-9.4	-2.0	2.6
131	ok	0.11	4.71e-02	3.05e-04	12.7	12.7	12.7	12.7	-1.0	0.4	-0.7	-9.4	-2.6	2.3
132	ok	0.11	4.68e-02	2.06e-04	12.7	12.7	12.7	12.7	-0.6	0.5	-0.7	-9.5	-2.5	2.1
133	ok	0.11	3.51e-02	4.27e-04	12.7	12.7	12.7	12.7	-1.6	-1.24e-02	-0.7	-6.5	-0.3	2.8
134	ok	0.11	2.98e-02	4.12e-04	12.7	12.7	12.7	12.7	-1.3	6.28e-03	-6.56e-02	-6.4	-6.86e-03	0.6
135	ok	0.11	3.66e-02	4.38e-04	12.7	12.7	12.7	12.7	-1.6	0.1	-1.1	-6.7	-1.2	2.8
136	ok	0.11	3.78e-02	6.09e-04	12.7	12.7	12.7	12.7	-1.6	0.2	-1.1	-7.0	-2.3	2.5
137	ok	0.11	3.76e-02	6.70e-04	12.7	12.7	12.7	12.7	-1.8	1.6	-0.5	-6.9	-3.8	2.0
138	ok	0.11	3.73e-02	4.25e-04	12.7	12.7	12.7	12.7	-0.5	1.6	0.1	-7.1	-3.5	2.1
139	ok	0.11	2.30e-02	2.55e-04	12.7	12.7	12.7	12.7	-0.5	-5.75e-02	-0.7	-3.6	-0.1	2.6
140	ok	0.11	1.67e-02	1.30e-04	12.7	12.7	12.7	12.7	0.2	2.50e-02	-2.24e-02	-3.5	-2.41e-02	0.5
141	ok	0.11	2.53e-02	4.99e-04	12.7	12.7	12.7	12.7	-0.8	-0.1	-1.2	-4.1	-0.5	2.6
142	ok	0.11	6.24e-02	8.33e-04	12.7	12.7	12.7	12.7	-0.2	0.4	0.3	3.5	3.5	9.9
143	ok	0.11	0.1	1.39e-03	12.7	12.7	12.7	12.7	2.1	-0.5	8.22e-02	-2.3	-19.8	-5.8
144	ok	0.11	6.45e-02	8.07e-04	12.7	12.7	12.7	12.7	-0.9	-0.6	1.0	-9.9	-7.8	5.0
145	ok	0.11	1.26e-02	2.40e-04	12.7	12.7	12.7	12.7	0.3	-0.4	-0.1	0.2	0.2	2.2
146	ok	0.11	1.25e-02	3.79e-04	12.7	12.7	12.7	12.7	-0.1	-1.40e-02	0.5	-0.6	-0.9	1.8
147	ok	0.11	2.16e-02	6.19e-04	12.7	12.7	12.7	12.7	-0.2	-0.1	-0.1	-0.9	-3.8	1.6
148	ok	0.11	9.21e-02	9.35e-04	12.7	12.7	12.7	12.7	0.4	5.73e-02	-0.4	-0.3	-18.5	5.2
149	ok	0.11	1.28e-02	7.51e-05	12.7	12.7	12.7	12.7	0.7	2.42e-02	2.88e-03	-2.6	-0.2	-0.6
150	ok	0.11	1.95e-02	1.97e-04	12.7	12.7	12.7	12.7	-0.2	-0.2	0.5	-2.6	8.90e-02	-2.6
151	ok	0.11	2.21e-02	4.74e-04	12.7	12.7	12.7	12.7	-1.3	-2.4	-0.9	-2.8	0.5	-3.1
152	ok	0.11	8.12e-02	8.73e-04	12.7	12.7	12.7	12.7	1.3	-0.8	1.2	-15.9	7.09e-02	5.2
153	ok	0.11	6.77e-02	5.68e-04	12.7	12.7	12.7	12.7	-1.1	1.5	-1.7	7.2	-10.9	-5.9
154	ok	0.11	8.22e-03	7.26e-05	12.7	12.7	12.7	12.7	0.7	-2.69e-02	-5.76e-02	-1.6	-0.1	0.4
155	ok	0.11	1.45e-02	1.86e-04	12.7	12.7	12.7	12.7	-0.2	-0.2	-0.5	-1.7	-3.12e-02	2.1
156	ok	0.11	1.79e-02	4.39e-04	12.7	12.7	12.7	12.7	-2.8	-0.6	-1.0	-2.4	-7.75e-02	2.0
162	ok	0.11	0.1	9.08e-04	12.7	12.7	12.7	12.7	-1.1	-0.2	1.0	-26.4	-1.4	5.7
163	ok	0.11	1.70e-02	3.14e-04	12.7	12.7	12.7	12.7	3.36e-02	-0.7	0.8	-2.1	-3.3	-0.3
164	ok	0.11	1.71e-02	2.64e-04	12.7	12.7	12.7	12.7	0.1	1.0	-4.53e-02	-1.6	-3.0	0.7
165	ok	0.11	3.42e-02	4.17e-04	12.7	12.7	12.7	12.7	-0.5	0.3	0.8	-6.9	-2.8	0.1
166	ok	0.11	4.79e-02	2.84e-04	12.7	12.7	12.7	12.7	1.43e-02	0.3	0.4	-10.3	-1.6	-0.4
167	ok	0.11	6.37e-02	1.27e-04	12.7	12.7	12.7	12.7	0.7	0.2	0.4	-13.7	-1.1	-0.5
168	ok	0.11	8.04e-02	1.04e-04	12.7	12.7	12.7	12.7	3.9	5.04e-02	0.9	-16.8	-0.7	-1.5
169	ok	0.11	9.54e-02	1.49e-04	12.7	12.7	12.7	12.7	4.2	0.2	0.4	-20.3	-0.6	-1.1
170	ok	0.11	0.1	2.75e-04	12.7	12.7	12.7	12.7	2.3	4.27e-02	0.9	-22.7	-1.0	0.9
171	ok	0.11	0.1	5.40e-04	12.7	12.7	12.7	12.7	1.9	-2.0	3.3	-22.6	-3.2	2.2
172	ok	0.11	0.1	2.53e-04	12.7	12.7	12.7	12.7	4.1	-0.1	1.0	-24.5	-2.3	2.8
173	ok	0.11	0.1	1.69e-04	12.7	12.7	12.7	12.7	4.8	-0.3	0.6	-21.6	-2.0	3.2
174	ok	0.11	9.59e-02	9.12e-05	12.7	12.7	12.7	12.7	7.3	-0.2	0.4	-20.2	-1.0	2.5
175	ok	0.11	9.00e-02	9.72e-05	12.7	12.7	12.7	12.7	7.3	-0.2	-0.3	-19.0	-1.0	2.4
176	ok	0.11	8.77e-02	1.76e-04	12.7	12.7	12.7	12.7	5.4	-0.1	-0.9	-18.6	-1.3	1.7
177	ok	0.11	2.13e-02	2.70e-04	12.7	12.7	12.7	12.7	-0.4	0.3	0.1	-4.1	-2.6	0.6
178	ok	0.11	8.89e-02	2.21e-04	12.7	12.7	12.7	12.7	3.3	1.64e-02	-1.0	-18.8	-1.3	2.1
179	ok	0.11	8.42e-02	5.50e-04	12.7	12.7	12.7	12.7	2.9	-0.3	-1.1	-17.6	-1.4	2.6
180	ok	0.11	7.07e-02	2.79e-04	12.7	12.7	12.7	12.7	2.1	7.09e-02	-1.1	-14.7	-1.5	2.6
181	ok	0.11	5.87e-02	1.66e-04	12.7	12.7	12.7	12.7	3.2	9.78e-02	-1.2	-11.5	-1.0	3.5
182	ok	0.11	4.63e-02	1.36e-04	12.7	12.7	12.7	12.7	2.7	-3.07e-02	-1.5	-8.9	-1.3	3.0

183	ok	0.11	3.51e-02	2.56e-04	12.7	12.7	12.7	12.7	2.0	0.1	-2.2	-6.5	-1.7	2.2
184	ok	0.11	2.67e-02	3.92e-04	12.7	12.7	12.7	12.7	0.6	0.3	0.2	-5.5	-2.6	0.3
185	ok	0.11	2.45e-02	2.65e-04	12.7	12.7	12.7	12.7	0.2	-0.4	0.3	-4.5	-3.0	0.5
186	ok	0.11	1.92e-02	1.18e-04	12.7	12.7	12.7	12.7	0.9	7.63e-02	-0.3	-4.1	5.34e-02	0.4
187	ok	0.11	7.89e-03	1.28e-04	12.7	12.7	12.7	12.7	6.67e-02	-0.4	0.2	-1.2	-0.4	0.7
188	ok	0.11	6.81e-03	1.40e-04	12.7	12.7	12.7	12.7	0.7	0.2	0.4	-1.3	-0.2	-0.3
189	ok	0.11	3.14e-02	9.87e-05	12.7	12.7	12.7	12.7	1.1	7.58e-02	-0.2	-6.7	0.1	0.5
190	ok	0.11	4.77e-02	5.66e-05	12.7	12.7	12.7	12.7	1.3	1.59e-02	-5.78e-02	-10.3	1.07e-02	0.2
191	ok	0.11	6.30e-02	4.95e-05	12.7	12.7	12.7	12.7	6.5	0.5	0.6	-12.9	5.95e-03	-0.3
192	ok	0.11	7.86e-02	4.76e-05	12.7	12.7	12.7	12.7	8.1	0.5	0.5	-16.5	2.08e-02	-0.3
193	ok	0.11	9.26e-02	4.81e-05	12.7	12.7	12.7	12.7	4.0	7.02e-02	-0.1	-19.9	4.82e-03	0.4
194	ok	0.11	0.1	5.80e-05	12.7	12.7	12.7	12.7	4.8	3.20e-02	-2.39e-02	-22.0	3.37e-02	0.3
195	ok	0.11	0.1	6.29e-05	12.7	12.7	12.7	12.7	4.9	-8.05e-02	0.2	-22.8	0.1	0.9
196	ok	0.11	0.1	1.02e-04	12.7	12.7	12.7	12.7	5.5	-0.1	1.10e-03	-23.3	0.3	1.1
197	ok	0.11	0.1	8.30e-05	12.7	12.7	12.7	12.7	5.9	-3.35e-02	6.02e-02	-21.2	3.68e-02	1.1
198	ok	0.11	9.44e-02	7.98e-05	12.7	12.7	12.7	12.7	10.2	0.3	-0.2	-20.1	-1.59e-02	0.9
199	ok	0.11	8.88e-02	7.27e-05	12.7	12.7	12.7	12.7	10.2	0.3	-0.3	-18.9	-1.61e-02	0.9
200	ok	0.11	8.70e-02	8.65e-05	12.7	12.7	12.7	12.7	7.0	6.06e-02	-1.01e-02	-18.6	5.70e-03	0.9
201	ok	0.11	1.53e-02	1.39e-04	12.7	12.7	12.7	12.7	0.9	5.39e-02	0.3	-3.3	9.51e-02	-0.2
202	ok	0.11	8.47e-02	9.13e-05	12.7	12.7	12.7	12.7	6.1	6.52e-02	0.3	-18.1	0.1	0.6
203	ok	0.11	7.98e-02	6.69e-05	12.7	12.7	12.7	12.7	5.9	8.82e-02	0.1	-17.1	0.1	0.9
204	ok	0.11	6.88e-02	5.32e-05	12.7	12.7	12.7	12.7	4.8	3.12e-02	-1.92e-02	-14.6	5.76e-02	0.8
205	ok	0.11	5.70e-02	4.80e-05	12.7	12.7	12.7	12.7	7.4	0.4	-0.5	-11.6	7.83e-02	1.1
206	ok	0.11	4.54e-02	5.09e-05	12.7	12.7	12.7	12.7	5.8	0.4	-0.6	-9.1	6.07e-02	0.9
207	ok	0.11	3.53e-02	6.58e-05	12.7	12.7	12.7	12.7	3.1	0.5	-0.7	-6.9	7.21e-02	0.6
208	ok	0.11	2.44e-02	1.20e-04	12.7	12.7	12.7	12.7	0.5	-8.13e-03	0.1	-5.2	0.1	-5.76e-02
209	ok	0.11	3.19e-02	1.86e-04	12.7	12.7	12.7	12.7	0.3	1.1	3.81e-02	0.8	-6.0	-0.6
210	ok	0.11	3.27e-03	1.37e-04	12.7	12.7	12.7	12.7	0.5	-0.9	-0.4	-0.5	-0.3	-0.3
211	ok	0.11	5.98e-03	2.51e-04	12.7	12.7	12.7	12.7	5.52e-02	-0.5	-0.3	9.74e-02	0.6	-0.8
212	ok	0.11	6.33e-03	1.98e-04	12.7	12.7	12.7	12.7	1.57e-02	-0.4	-0.2	0.2	0.4	-1.0
213	ok	0.11	1.41e-02	3.59e-04	12.7	12.7	12.7	12.7	9.08e-02	1.1	-6.50e-02	-0.2	-2.8	-0.5
214	ok	0.11	2.99e-02	3.10e-04	12.7	12.7	12.7	12.7	-2.21e-02	2.3	0.2	0.7	-6.3	-0.6
215	ok	0.11	1.52e-02	1.70e-04	12.7	12.7	12.7	12.7	-0.3	0.6	-3.40e-02	-0.5	-3.2	0.4
216	ok	0.11	4.85e-03	1.31e-04	12.7	12.7	12.7	12.7	0.2	9.31e-02	-0.2	-0.2	-0.5	0.6
217	ok	0.11	3.26e-02	2.58e-04	12.7	12.7	12.7	12.7	0.3	0.9	-2.19e-02	0.7	-6.3	0.5
218	ok	0.11	2.81e-03	1.21e-04	12.7	12.7	12.7	12.7	0.4	-0.7	0.4	-0.4	-0.3	0.2
219	ok	0.11	5.32e-03	2.29e-04	12.7	12.7	12.7	12.7	-0.1	-1.3	0.7	-0.3	2.81e-02	0.5
220	ok	0.11	6.93e-03	1.84e-04	12.7	12.7	12.7	12.7	-0.3	0.3	0.3	-5.32e-02	-1.3	0.5
221	ok	0.11	1.66e-02	3.29e-04	12.7	12.7	12.7	12.7	8.91e-02	0.4	-0.1	-8.89e-02	-3.6	0.3
222	ok	0.11	3.10e-02	3.22e-04	12.7	12.7	12.7	12.7	-7.52e-02	2.0	-0.3	0.6	-6.6	0.5
223	ok	0.11	1.57e-02	1.74e-04	12.7	12.7	12.7	12.7	-0.3	0.4	-3.44e-02	-0.4	-3.3	-0.3
224	ok	0.11	4.15e-03	1.23e-04	12.7	12.7	12.7	12.7	-4.13e-02	0.8	0.4	-0.2	-0.3	-0.4

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
								-8.61	-4.24	-8.33	-33.71	-46.06	-26.39
	0.11	0.34	1.93e-03	12.72	12.72	12.72	12.72	10.25	4.40	7.09	7.22	16.46	32.33

Nodo	Stato	Max tau	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr	V sec
		daN/cm2					kN/ m	kN/ m
2	ok	0.47						
17	ok	0.89						
18	ok	0.77						
20	ok	0.62						
23	ok	0.89						
24	ok	0.77						

25	ok	0.26
26	ok	0.19
27	ok	0.26
28	ok	0.43
29	ok	0.43
30	ok	0.21
31	ok	0.22
32	ok	0.26
33	ok	0.37
34	ok	0.89
35	ok	0.40
36	ok	0.40
37	ok	0.51
38	ok	0.51
39	ok	0.26
40	ok	0.20
41	ok	0.18
42	ok	0.11
43	ok	0.51
44	ok	0.51
45	ok	0.26
46	ok	0.20
47	ok	0.20
48	ok	0.15
49	ok	0.54
50	ok	0.09
51	ok	0.20
52	ok	0.23
53	ok	0.23
54	ok	0.18
55	ok	1.11
56	ok	0.45
57	ok	0.20
58	ok	0.23
59	ok	0.23
60	ok	0.18
61	ok	0.45
62	ok	0.45
63	ok	0.30
64	ok	0.12
65	ok	0.17
66	ok	0.17
67	ok	0.26
68	ok	0.26
69	ok	0.24
70	ok	0.35
71	ok	0.47
72	ok	0.47
73	ok	0.26
74	ok	0.26
75	ok	0.27
76	ok	0.35
77	ok	0.26
78	ok	0.47
79	ok	0.22
80	ok	0.22

81	ok	0.27
82	ok	0.34
83	ok	0.42
84	ok	0.42
85	ok	0.22
86	ok	0.22
87	ok	0.13
88	ok	0.13
89	ok	0.14
90	ok	0.14
91	ok	0.21
92	ok	0.21
93	ok	0.10
94	ok	0.12
95	ok	0.12
96	ok	0.12
97	ok	0.19
98	ok	0.19
99	ok	0.17
100	ok	0.23
101	ok	0.29
102	ok	0.29
103	ok	0.28
104	ok	0.28
105	ok	0.29
106	ok	0.51
107	ok	0.77
108	ok	0.62
109	ok	0.35
110	ok	0.35
111	ok	0.29
112	ok	0.51
113	ok	0.62
114	ok	0.62
115	ok	0.37
116	ok	0.37
117	ok	0.19
118	ok	0.20
119	ok	0.20
120	ok	0.20
121	ok	0.37
122	ok	0.37
123	ok	0.17
124	ok	0.14
125	ok	0.13
126	ok	0.12
127	ok	0.37
128	ok	0.37
129	ok	0.15
130	ok	0.12
131	ok	0.10
132	ok	0.09
133	ok	0.35
134	ok	0.35
135	ok	0.15
136	ok	0.14

137	ok	0.13
138	ok	0.08
139	ok	0.32
140	ok	0.32
141	ok	0.14
142	ok	0.26
143	ok	0.38
144	ok	0.38
145	ok	0.19
146	ok	0.22
147	ok	0.24
148	ok	0.77
149	ok	0.38
150	ok	0.38
151	ok	0.22
152	ok	0.37
153	ok	0.89
154	ok	0.27
155	ok	0.27
156	ok	0.14
162	ok	0.66
163	ok	0.42
164	ok	0.36
165	ok	0.31
166	ok	0.13
167	ok	0.13
168	ok	0.15
169	ok	0.15
170	ok	0.16
171	ok	0.31
172	ok	0.31
173	ok	0.26
174	ok	0.11
175	ok	0.07
176	ok	0.18
177	ok	0.36
178	ok	0.33
179	ok	0.33
180	ok	0.18
181	ok	0.12
182	ok	0.12
183	ok	0.11
184	ok	0.27
185	ok	0.42
186	ok	0.15
187	ok	0.15
188	ok	0.13
189	ok	0.15
190	ok	0.13
191	ok	0.13
192	ok	0.13
193	ok	0.13
194	ok	0.13
195	ok	0.12
196	ok	0.11
197	ok	0.10

198	ok	0.07
199	ok	0.05
200	ok	0.07
201	ok	0.13
202	ok	0.11
203	ok	0.13
204	ok	0.13
205	ok	0.12
206	ok	0.12
207	ok	0.11
208	ok	0.12
209	ok	0.23
210	ok	0.09
211	ok	0.13
212	ok	0.21
213	ok	0.26
214	ok	0.26
215	ok	0.19
216	ok	0.11
217	ok	0.20
218	ok	0.07
219	ok	0.14
220	ok	0.22
221	ok	0.24
222	ok	0.24
223	ok	0.18
224	ok	0.10

Nodo	Max tau	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr	V sec
	1.11						

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	0.01	0.03	0.01	13,13,25	0.0	0.0	0.0	0,0,0
2	0.01	0.03	0.01	13,13,25	0.0	0.0	0.0	0,0,0
3	0.01	0.03	0.02	13,13,25	0.0	0.0	0.0	0,0,0
4	0.10	0.22	0.11	14,14,25	0.0	0.0	0.0	0,0,0
5	0.09	0.21	0.10	13,9,25	0.0	0.0	0.0	0,0,0
6	0.02	0.05	0.02	13,13,25	0.0	0.0	0.0	0,0,0
7	0.02	0.05	0.02	13,13,25	0.0	0.0	0.0	0,0,0
8	0.02	0.05	0.02	13,13,25	0.0	0.0	0.0	0,0,0
9	0.02	0.05	0.02	13,13,25	0.0	0.0	0.0	0,0,0
10	0.02	0.04	0.02	13,16,25	0.0	0.0	0.0	0,0,0
11	0.03	0.07	0.04	13,13,25	0.0	0.0	0.0	0,0,0
12	0.03	0.07	0.04	13,13,25	0.0	0.0	0.0	0,0,0
13	0.03	0.06	0.03	13,13,25	0.0	0.0	0.0	0,0,0
14	0.03	0.06	0.03	13,13,25	0.0	0.0	0.0	0,0,0
15	0.02	0.06	0.03	13,13,25	0.0	0.0	0.0	0,0,0
16	0.03	0.08	0.04	13,13,25	0.0	0.0	0.0	0,0,0
17	0.03	0.08	0.04	13,13,25	0.0	0.0	0.0	0,0,0
18	0.03	0.07	0.04	13,13,25	0.0	0.0	0.0	0,0,0
19	0.03	0.08	0.04	13,13,25	0.0	0.0	0.0	0,0,0
20	0.03	0.07	0.04	13,13,25	0.0	0.0	0.0	0,0,0
21	0.07	0.17	0.08	14,14,25	0.0	0.0	0.0	0,0,0
22	0.01	0.03	0.01	10,14,25	0.0	0.0	0.0	0,0,0
23	0.04	0.09	0.05	13,13,25	0.0	0.0	0.0	0,0,0
24	0.04	0.09	0.05	13,13,25	0.0	0.0	0.0	0,0,0
25	0.04	0.09	0.05	13,13,25	0.0	0.0	0.0	0,0,0
26	0.04	0.10	0.06	13,15,25	0.0	0.0	0.0	0,0,0
27	0.08	0.18	0.09	13,13,25	0.0	0.0	0.0	0,0,0
28	0.04	0.10	0.05	13,13,25	0.0	0.0	0.0	0,0,0
29	0.05	0.10	0.06	16,16,25	0.0	0.0	0.0	0,0,0
30	0.04	0.10	0.05	13,13,25	0.0	0.0	0.0	0,0,0
31	0.05	0.11	0.06	12,12,25	0.0	0.0	0.0	0,0,0
32	0.05	0.10	0.05	12,12,25	0.0	0.0	0.0	0,0,0
33	0.05	0.10	0.05	12,12,25	0.0	0.0	0.0	0,0,0
34	0.04	0.10	0.05	9,9,25	0.0	0.0	0.0	0,0,0
35	0.04	0.10	0.05	9,9,25	0.0	0.0	0.0	0,0,0
36	0.05	0.11	0.05	12,12,25	0.0	0.0	0.0	0,0,0
37	0.05	0.11	0.05	12,12,25	0.0	0.0	0.0	0,0,0
38	0.05	0.11	0.06	12,12,25	0.0	0.0	0.0	0,0,0
39	0.08	0.17	0.06	16,16,25	0.0	0.0	0.0	0,0,0
40	0.09	0.21	0.07	15,15,25	0.0	0.0	0.0	0,0,0
41	0.05	0.10	0.05	12,12,25	0.0	0.0	0.0	0,0,0
42	0.05	0.11	0.05	12,12,25	0.0	0.0	0.0	0,0,0
43	0.05	0.12	0.05	12,12,25	0.0	0.0	0.0	0,0,0
44	0.06	0.14	0.06	16,16,25	0.0	0.0	0.0	0,0,0
45	0.06	0.15	0.05	15,15,25	0.0	0.0	0.0	0,0,0
46	0.04	0.09	0.05	12,12,25	0.0	0.0	0.0	0,0,0
47	0.04	0.09	0.05	12,12,25	0.0	0.0	0.0	0,0,0
48	0.04	0.10	0.05	12,12,25	0.0	0.0	0.0	0,0,0
49	0.04	0.10	0.05	12,12,25	0.0	0.0	0.0	0,0,0
50	0.04	0.10	0.05	12,12,25	0.0	0.0	0.0	0,0,0
51	0.04	0.08	0.04	12,12,25	0.0	0.0	0.0	0,0,0
52	0.04	0.08	0.04	12,12,25	0.0	0.0	0.0	0,0,0

53	0.04	0.09	0.04	12,12,25	0.0	0.0	0.0	0,0,0
54	0.04	0.09	0.04	12,12,25	0.0	0.0	0.0	0,0,0
55	0.04	0.09	0.04	12,12,25	0.0	0.0	0.0	0,0,0
56	0.03	0.08	0.04	12,12,25	0.0	0.0	0.0	0,0,0
57	0.03	0.08	0.04	12,12,25	0.0	0.0	0.0	0,0,0
58	0.03	0.08	0.04	12,12,25	0.0	0.0	0.0	0,0,0
59	0.03	0.08	0.04	12,12,25	0.0	0.0	0.0	0,0,0
60	0.03	0.08	0.04	12,12,25	0.0	0.0	0.0	0,0,0
61	0.04	0.08	0.04	12,12,25	0.0	0.0	0.0	0,0,0
62	0.04	0.08	0.04	12,12,25	0.0	0.0	0.0	0,0,0
63	0.04	0.09	0.04	12,12,25	0.0	0.0	0.0	0,0,0
64	0.04	0.10	0.04	15,15,25	0.0	0.0	0.0	0,0,0
65	0.05	0.13	0.04	15,15,25	0.0	0.0	0.0	0,0,0
66	0.03	0.08	0.04	12,12,25	0.0	0.0	0.0	0,0,0
67	0.04	0.08	0.04	12,12,25	0.0	0.0	0.0	0,0,0
68	0.04	0.09	0.04	12,12,25	0.0	0.0	0.0	0,0,0
69	0.08	0.18	0.06	16,16,25	0.0	0.0	0.0	0,0,0
70	0.09	0.20	0.06	15,15,25	0.0	0.0	0.0	0,0,0
71	0.03	0.07	0.04	12,12,25	0.0	0.0	0.0	0,0,0
72	0.03	0.07	0.04	12,12,25	0.0	0.0	0.0	0,0,0
73	0.03	0.08	0.04	12,12,25	0.0	0.0	0.0	0,0,0
74	0.03	0.08	0.04	12,12,25	0.0	0.0	0.0	0,0,0
75	0.03	0.08	0.04	12,12,25	0.0	0.0	0.0	0,0,0
76	0.03	0.06	0.03	16,14,25	0.0	0.0	0.0	0,0,0
77	0.03	0.06	0.03	16,14,25	0.0	0.0	0.0	0,0,0
78	0.03	0.06	0.03	16,16,25	0.0	0.0	0.0	0,0,0
79	0.03	0.06	0.03	16,16,25	0.0	0.0	0.0	0,0,0
80	0.03	0.06	0.03	16,16,25	0.0	0.0	0.0	0,0,0
81	0.02	0.05	0.03	14,14,25	0.0	0.0	0.0	0,0,0
82	0.02	0.05	0.03	14,14,25	0.0	0.0	0.0	0,0,0
83	0.02	0.05	0.03	14,14,25	0.0	0.0	0.0	0,0,0
84	0.02	0.05	0.03	14,16,25	0.0	0.0	0.0	0,0,0
85	0.02	0.05	0.03	14,16,25	0.0	0.0	0.0	0,0,0
86	0.02	0.04	0.02	14,14,25	0.0	0.0	0.0	0,0,0
87	0.02	0.04	0.02	14,14,25	0.0	0.0	0.0	0,0,0
88	0.02	0.04	0.02	14,14,25	0.0	0.0	0.0	0,0,0
89	0.02	0.04	0.02	14,16,25	0.0	0.0	0.0	0,0,0
90	0.02	0.04	0.02	14,16,25	0.0	0.0	0.0	0,0,0
91	0.01	0.03	0.01	14,14,25	0.0	0.0	0.0	0,0,0
92	0.01	0.03	0.02	14,14,25	0.0	0.0	0.0	0,0,0
93	0.01	0.03	0.02	14,14,25	0.0	0.0	0.0	0,0,0
94	0.01	0.03	0.02	14,16,25	0.0	0.0	0.0	0,0,0
95	0.02	0.04	0.02	10,16,25	0.0	0.0	0.0	0,0,0
96	5.49e-03	0.01	6.46e-03	16,14,25	0.0	0.0	0.0	0,0,0
97	6.27e-03	0.01	7.16e-03	12,10,25	0.0	0.0	0.0	0,0,0
98	8.41e-03	0.02	8.94e-03	9,11,25	0.0	0.0	0.0	0,0,0
99	0.04	0.10	0.04	14,14,25	0.0	0.0	0.0	0,0,0
100	0.10	0.24	0.11	13,13,25	0.0	0.0	0.0	0,0,0
101	7.20e-03	0.02	8.70e-03	13,13,25	0.0	0.0	0.0	0,0,0
102	7.51e-03	0.02	8.91e-03	12,9,25	0.0	0.0	0.0	0,0,0
103	9.50e-03	0.02	0.01	10,11,25	0.0	0.0	0.0	0,0,0
104	0.06	0.13	0.06	13,13,25	0.0	0.0	0.0	0,0,0
105	0.12	0.29	0.14	14,14,25	0.0	0.0	0.0	0,0,0
106	8.48e-03	0.02	9.40e-03	14,14,25	0.0	0.0	0.0	0,0,0
107	9.44e-03	0.02	0.01	14,14,25	0.0	0.0	0.0	0,0,0
108	0.06	0.14	0.07	13,15,25	0.0	0.0	0.0	0,0,0

109	0.05	0.11	0.06	13,13,25	0.0	0.0	0.0	0,0,0
110	0.04	0.10	0.05	13,13,25	0.0	0.0	0.0	0,0,0
111	0.05	0.10	0.06	13,13,25	0.0	0.0	0.0	0,0,0
113	0.02	0.05	0.03	11,10,25	0.0	0.0	0.0	0,0,0
114	0.02	0.04	0.02	13,13,25	0.0	0.0	0.0	0,0,0
115	0.02	0.06	0.03	13,13,25	0.0	0.0	0.0	0,0,0
116	0.03	0.07	0.04	13,13,25	0.0	0.0	0.0	0,0,0
117	0.02	0.05	0.02	10,9,25	0.0	0.0	0.0	0,0,0
118	0.04	0.09	0.05	13,16,25	0.0	0.0	0.0	0,0,0
119	0.04	0.09	0.05	13,13,25	0.0	0.0	0.0	0,0,0
120	0.04	0.10	0.05	9,9,25	0.0	0.0	0.0	0,0,0
121	0.05	0.11	0.05	11,9,25	0.0	0.0	0.0	0,0,0
122	0.05	0.12	0.05	9,9,25	0.0	0.0	0.0	0,0,0
123	0.04	0.10	0.05	9,12,25	0.0	0.0	0.0	0,0,0
124	0.04	0.09	0.04	12,12,25	0.0	0.0	0.0	0,0,0
125	0.03	0.08	0.04	12,12,25	0.0	0.0	0.0	0,0,0
126	0.04	0.09	0.04	10,10,25	0.0	0.0	0.0	0,0,0
127	0.04	0.08	0.04	10,10,25	0.0	0.0	0.0	0,0,0
128	0.03	0.08	0.04	10,10,25	0.0	0.0	0.0	0,0,0
129	0.03	0.06	0.03	14,16,25	0.0	0.0	0.0	0,0,0
130	0.02	0.05	0.03	14,16,25	0.0	0.0	0.0	0,0,0
131	0.02	0.04	0.02	14,16,25	0.0	0.0	0.0	0,0,0
132	0.01	0.03	0.01	14,16,25	0.0	0.0	0.0	0,0,0
133	0.02	0.05	0.02	9,9,25	0.0	0.0	0.0	0,0,0
134	0.02	0.05	0.03	11,11,25	0.0	0.0	0.0	0,0,0
135	0.01	0.03	0.01	13,13,25	0.0	0.0	0.0	0,0,0
136	0.02	0.04	0.02	13,13,25	0.0	0.0	0.0	0,0,0
137	0.02	0.06	0.03	13,16,25	0.0	0.0	0.0	0,0,0
138	0.03	0.07	0.04	13,16,25	0.0	0.0	0.0	0,0,0
139	9.81e-03	0.02	0.01	14,14,25	0.0	0.0	0.0	0,0,0
140	0.04	0.09	0.04	13,16,25	0.0	0.0	0.0	0,0,0
141	0.04	0.09	0.05	13,16,25	0.0	0.0	0.0	0,0,0
142	0.04	0.10	0.05	9,9,25	0.0	0.0	0.0	0,0,0
143	0.04	0.10	0.05	9,9,25	0.0	0.0	0.0	0,0,0
144	0.04	0.10	0.05	9,9,25	0.0	0.0	0.0	0,0,0
145	0.04	0.10	0.05	9,9,25	0.0	0.0	0.0	0,0,0
146	0.04	0.09	0.04	12,12,25	0.0	0.0	0.0	0,0,0
147	0.03	0.09	0.04	12,12,25	0.0	0.0	0.0	0,0,0
148	0.03	0.08	0.04	10,12,25	0.0	0.0	0.0	0,0,0
149	0.03	0.08	0.04	10,10,25	0.0	0.0	0.0	0,0,0
150	0.03	0.08	0.04	10,10,25	0.0	0.0	0.0	0,0,0
151	0.03	0.06	0.03	14,14,25	0.0	0.0	0.0	0,0,0
152	0.02	0.05	0.03	14,16,25	0.0	0.0	0.0	0,0,0
153	0.02	0.04	0.02	14,16,25	0.0	0.0	0.0	0,0,0
154	0.01	0.03	0.01	14,14,25	0.0	0.0	0.0	0,0,0
155	7.31e-03	0.02	7.98e-03	14,16,25	0.0	0.0	0.0	0,0,0
156	8.72e-03	0.02	0.01	13,13,25	0.0	0.0	0.0	0,0,0
157	4.62e-03	0.01	4.94e-03	16,16,25	0.0	0.0	0.0	0,0,0
158	5.03e-03	0.01	5.70e-03	16,12,25	0.0	0.0	0.0	0,0,0
159	5.27e-03	0.01	5.64e-03	11,10,25	0.0	0.0	0.0	0,0,0
160	0.01	0.03	0.01	11,10,25	0.0	0.0	0.0	0,0,0
161	0.02	0.04	0.02	11,10,25	0.0	0.0	0.0	0,0,0
162	0.01	0.03	0.01	11,10,25	0.0	0.0	0.0	0,0,0
163	5.36e-03	0.01	5.95e-03	11,12,25	0.0	0.0	0.0	0,0,0
164	4.02e-03	9.19e-03	3.89e-03	16,16,25	0.0	0.0	0.0	0,0,0
165	4.68e-03	0.01	5.13e-03	16,12,25	0.0	0.0	0.0	0,0,0

166	6.17e-03	0.01	5.89e-03	11,9,25	0.0	0.0	0.0	0,0,0
167	0.01	0.03	0.01	11,9,25	0.0	0.0	0.0	0,0,0
168	0.02	0.04	0.02	9,9,25	0.0	0.0	0.0	0,0,0
169	0.01	0.03	0.01	9,9,25	0.0	0.0	0.0	0,0,0
170	5.52e-03	0.01	6.24e-03	12,12,25	0.0	0.0	0.0	0,0,0

Guscio	**rRfck**	**rRfyk**	**rPfck**		**wR**	**wF**	**wP**	
	0.12	0.29	0.14		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	149	9.19e-03	0.0	0.0	86,0,0	29	0.02	0.0	0.0	86,0,0
		28	0.02	0.0	0.0	71,0,0	150	0.01	0.0	0.0	66,0,0
2	ok	150	0.01	0.0	0.0	82,0,0	28	0.02	0.0	0.0	66,0,0
		31	0.02	0.0	0.0	82,0,0	151	0.01	0.0	0.0	82,0,0
3	ok	151	0.02	0.0	0.0	87,0,0	31	0.02	0.0	0.0	82,0,0
		33	0.03	0.0	0.0	74,0,0	152	0.02	0.0	0.0	82,0,0
4	ok	152	0.06	0.0	0.0	78,0,0	33	0.05	0.0	0.0	82,0,0
		35	0.09	0.0	0.0	79,0,0	17	0.19	0.0	0.0	74,0,0
5	ok	17	0.17	0.0	0.0	82,0,0	35	0.06	0.0	0.0	87,0,0
		36	0.04	0.0	0.0	66,0,0	153	0.05	0.0	0.0	74,0,0
6	ok	29	0.02	0.0	0.0	70,0,0	38	0.04	0.0	0.0	71,0,0
		37	0.04	0.0	0.0	71,0,0	28	0.02	0.0	0.0	66,0,0
7	ok	28	0.02	0.0	0.0	82,0,0	37	0.04	0.0	0.0	66,0,0
		39	0.04	0.0	0.0	82,0,0	31	0.03	0.0	0.0	82,0,0
8	ok	31	0.03	0.0	0.0	82,0,0	39	0.04	0.0	0.0	66,0,0
		40	0.04	0.0	0.0	83,0,0	33	0.03	0.0	0.0	82,0,0
9	ok	33	0.03	0.0	0.0	82,0,0	40	0.04	0.0	0.0	82,0,0
		41	0.04	0.0	0.0	67,0,0	35	0.03	0.0	0.0	82,0,0
10	ok	35	0.03	0.0	0.0	82,0,0	41	0.04	0.0	0.0	66,0,0
		42	0.04	0.0	0.0	82,0,0	36	0.02	0.0	0.0	82,0,0
11	ok	38	0.04	0.0	0.0	66,0,0	44	0.06	0.0	0.0	66,0,0
		43	0.07	0.0	0.0	82,0,0	37	0.04	0.0	0.0	82,0,0
12	ok	37	0.04	0.0	0.0	82,0,0	43	0.06	0.0	0.0	66,0,0

		45	0.05	0.0	0.0	66,0,0	39	0.04	0.0	0.0	83,0,0
13	ok	39	0.04	0.0	0.0	82,0,0	45	0.05	0.0	0.0	67,0,0
		46	0.06	0.0	0.0	67,0,0	40	0.04	0.0	0.0	83,0,0
14	ok	40	0.04	0.0	0.0	83,0,0	46	0.06	0.0	0.0	83,0,0
		47	0.05	0.0	0.0	67,0,0	41	0.04	0.0	0.0	83,0,0
15	ok	41	0.04	0.0	0.0	83,0,0	47	0.05	0.0	0.0	67,0,0
		48	0.05	0.0	0.0	67,0,0	42	0.04	0.0	0.0	67,0,0
16	ok	44	0.07	0.0	0.0	66,0,0	50	0.02	0.0	0.0	83,0,0
		49	0.07	0.0	0.0	66,0,0	43	0.06	0.0	0.0	66,0,0
17	ok	43	0.05	0.0	0.0	82,0,0	49	0.07	0.0	0.0	66,0,0
		51	0.07	0.0	0.0	67,0,0	45	0.06	0.0	0.0	67,0,0
18	ok	45	0.06	0.0	0.0	67,0,0	51	0.07	0.0	0.0	67,0,0
		52	0.07	0.0	0.0	67,0,0	46	0.05	0.0	0.0	83,0,0
19	ok	46	0.05	0.0	0.0	67,0,0	52	0.07	0.0	0.0	67,0,0
		53	0.07	0.0	0.0	67,0,0	47	0.05	0.0	0.0	67,0,0
20	ok	47	0.05	0.0	0.0	67,0,0	53	0.07	0.0	0.0	67,0,0
		54	0.07	0.0	0.0	67,0,0	48	0.05	0.0	0.0	67,0,0
21	ok	143	0.04	0.0	0.0	78,0,0	18	0.14	0.0	0.0	75,0,0
		107	0.04	0.0	0.0	82,0,0	144	0.04	0.0	0.0	59,0,0
22	ok	141	0.02	0.0	0.0	75,0,0	156	0.01	0.0	0.0	78,0,0
		77	0.02	0.0	0.0	75,0,0	142	0.02	0.0	0.0	83,0,0
23	ok	51	0.07	0.0	0.0	67,0,0	57	0.09	0.0	0.0	67,0,0
		58	0.08	0.0	0.0	67,0,0	52	0.07	0.0	0.0	67,0,0
24	ok	52	0.07	0.0	0.0	67,0,0	58	0.08	0.0	0.0	67,0,0
		59	0.08	0.0	0.0	66,0,0	53	0.07	0.0	0.0	66,0,0
25	ok	53	0.07	0.0	0.0	67,0,0	59	0.08	0.0	0.0	66,0,0
		60	0.08	0.0	0.0	66,0,0	54	0.07	0.0	0.0	67,0,0
26	ok	56	0.01	0.0	0.0	75,0,0	62	0.09	0.0	0.0	67,0,0
		61	0.08	0.0	0.0	67,0,0	55	0.09	0.0	0.0	70,0,0
27	ok	142	0.04	0.0	0.0	83,0,0	77	0.05	0.0	0.0	86,0,0
		18	0.15	0.0	0.0	83,0,0	143	0.08	0.0	0.0	86,0,0
28	ok	57	0.08	0.0	0.0	67,0,0	63	0.09	0.0	0.0	67,0,0
		64	0.09	0.0	0.0	66,0,0	58	0.09	0.0	0.0	67,0,0
29	ok	58	0.10	0.0	0.0	66,0,0	64	0.08	0.0	0.0	67,0,0
		65	0.09	0.0	0.0	66,0,0	59	0.08	0.0	0.0	66,0,0
30	ok	59	0.08	0.0	0.0	66,0,0	65	0.09	0.0	0.0	66,0,0
		66	0.09	0.0	0.0	66,0,0	60	0.08	0.0	0.0	66,0,0
31	ok	62	0.09	0.0	0.0	83,0,0	68	0.09	0.0	0.0	83,0,0
		67	0.09	0.0	0.0	83,0,0	61	0.09	0.0	0.0	83,0,0
32	ok	61	0.09	0.0	0.0	83,0,0	67	0.09	0.0	0.0	83,0,0
		69	0.09	0.0	0.0	83,0,0	63	0.09	0.0	0.0	66,0,0
33	ok	63	0.09	0.0	0.0	66,0,0	69	0.09	0.0	0.0	83,0,0
		70	0.09	0.0	0.0	67,0,0	64	0.09	0.0	0.0	67,0,0
34	ok	64	0.09	0.0	0.0	67,0,0	70	0.09	0.0	0.0	67,0,0
		71	0.09	0.0	0.0	67,0,0	65	0.09	0.0	0.0	66,0,0
35	ok	65	0.09	0.0	0.0	66,0,0	71	0.09	0.0	0.0	67,0,0
		72	0.09	0.0	0.0	66,0,0	66	0.09	0.0	0.0	67,0,0
36	ok	68	0.09	0.0	0.0	83,0,0	74	0.09	0.0	0.0	83,0,0
		73	0.09	0.0	0.0	83,0,0	67	0.10	0.0	0.0	83,0,0
37	ok	67	0.10	0.0	0.0	83,0,0	73	0.09	0.0	0.0	83,0,0
		75	0.09	0.0	0.0	83,0,0	69	0.09	0.0	0.0	83,0,0
38	ok	69	0.09	0.0	0.0	83,0,0	75	0.09	0.0	0.0	83,0,0
		76	0.09	0.0	0.0	83,0,0	70	0.09	0.0	0.0	67,0,0
39	ok	70	0.09	0.0	0.0	66,0,0	76	0.09	0.0	0.0	83,0,0
		2	0.11	0.0	0.0	75,0,0	71	0.09	0.0	0.0	87,0,0
40	ok	71	0.08	0.0	0.0	82,0,0	2	0.12	0.0	0.0	79,0,0

		78	0.09	0.0	0.0	87,0,0	72	0.09	0.0	0.0	66,0,0
41	ok	74	0.09	0.0	0.0	83,0,0	80	0.08	0.0	0.0	83,0,0
		79	0.08	0.0	0.0	83,0,0	73	0.09	0.0	0.0	83,0,0
42	ok	73	0.09	0.0	0.0	83,0,0	79	0.08	0.0	0.0	83,0,0
		81	0.08	0.0	0.0	83,0,0	75	0.09	0.0	0.0	83,0,0
43	ok	75	0.09	0.0	0.0	83,0,0	81	0.08	0.0	0.0	83,0,0
		82	0.08	0.0	0.0	83,0,0	76	0.10	0.0	0.0	83,0,0
44	ok	76	0.10	0.0	0.0	83,0,0	82	0.08	0.0	0.0	66,0,0
		83	0.09	0.0	0.0	83,0,0	2	0.09	0.0	0.0	83,0,0
45	ok	2	0.09	0.0	0.0	71,0,0	83	0.09	0.0	0.0	83,0,0
		84	0.08	0.0	0.0	66,0,0	78	0.10	0.0	0.0	87,0,0
46	ok	80	0.08	0.0	0.0	82,0,0	86	0.07	0.0	0.0	82,0,0
		85	0.07	0.0	0.0	82,0,0	79	0.08	0.0	0.0	82,0,0
47	ok	79	0.08	0.0	0.0	83,0,0	85	0.07	0.0	0.0	82,0,0
		87	0.07	0.0	0.0	82,0,0	81	0.08	0.0	0.0	82,0,0
48	ok	81	0.08	0.0	0.0	82,0,0	87	0.07	0.0	0.0	82,0,0
		88	0.08	0.0	0.0	83,0,0	82	0.08	0.0	0.0	83,0,0
49	ok	82	0.08	0.0	0.0	82,0,0	88	0.08	0.0	0.0	83,0,0
		89	0.08	0.0	0.0	82,0,0	83	0.08	0.0	0.0	82,0,0
50	ok	83	0.08	0.0	0.0	83,0,0	89	0.08	0.0	0.0	83,0,0
		90	0.07	0.0	0.0	66,0,0	84	0.08	0.0	0.0	82,0,0
51	ok	86	0.07	0.0	0.0	82,0,0	92	0.07	0.0	0.0	74,0,0
		91	0.07	0.0	0.0	82,0,0	85	0.07	0.0	0.0	82,0,0
52	ok	85	0.07	0.0	0.0	82,0,0	91	0.07	0.0	0.0	82,0,0
		93	0.07	0.0	0.0	82,0,0	87	0.07	0.0	0.0	82,0,0
53	ok	87	0.07	0.0	0.0	82,0,0	93	0.07	0.0	0.0	83,0,0
		94	0.07	0.0	0.0	82,0,0	88	0.07	0.0	0.0	82,0,0
54	ok	88	0.07	0.0	0.0	82,0,0	94	0.07	0.0	0.0	82,0,0
		95	0.07	0.0	0.0	82,0,0	89	0.08	0.0	0.0	83,0,0
55	ok	89	0.07	0.0	0.0	82,0,0	95	0.07	0.0	0.0	82,0,0
		96	0.07	0.0	0.0	82,0,0	90	0.08	0.0	0.0	83,0,0
56	ok	92	0.07	0.0	0.0	74,0,0	98	0.07	0.0	0.0	74,0,0
		97	0.07	0.0	0.0	74,0,0	91	0.07	0.0	0.0	74,0,0
57	ok	91	0.07	0.0	0.0	74,0,0	97	0.07	0.0	0.0	74,0,0
		99	0.07	0.0	0.0	75,0,0	93	0.07	0.0	0.0	75,0,0
58	ok	93	0.07	0.0	0.0	75,0,0	99	0.07	0.0	0.0	75,0,0
		100	0.07	0.0	0.0	74,0,0	94	0.07	0.0	0.0	75,0,0
59	ok	94	0.07	0.0	0.0	74,0,0	100	0.07	0.0	0.0	75,0,0
		101	0.07	0.0	0.0	75,0,0	95	0.07	0.0	0.0	75,0,0
60	ok	95	0.07	0.0	0.0	75,0,0	101	0.07	0.0	0.0	75,0,0
		102	0.07	0.0	0.0	75,0,0	96	0.07	0.0	0.0	75,0,0
61	ok	98	0.07	0.0	0.0	74,0,0	104	0.07	0.0	0.0	74,0,0
		103	0.07	0.0	0.0	74,0,0	97	0.07	0.0	0.0	74,0,0
62	ok	97	0.07	0.0	0.0	74,0,0	103	0.07	0.0	0.0	74,0,0
		105	0.07	0.0	0.0	74,0,0	99	0.07	0.0	0.0	74,0,0
63	ok	99	0.07	0.0	0.0	74,0,0	105	0.07	0.0	0.0	74,0,0
		106	0.07	0.0	0.0	75,0,0	100	0.07	0.0	0.0	59,0,0
64	ok	100	0.06	0.0	0.0	59,0,0	106	0.08	0.0	0.0	74,0,0
		20	0.06	0.0	0.0	74,0,0	101	0.07	0.0	0.0	59,0,0
65	ok	101	0.08	0.0	0.0	59,0,0	20	0.06	0.0	0.0	78,0,0
		108	0.08	0.0	0.0	78,0,0	102	0.07	0.0	0.0	59,0,0
66	ok	104	0.07	0.0	0.0	74,0,0	110	0.06	0.0	0.0	74,0,0
		109	0.07	0.0	0.0	74,0,0	103	0.07	0.0	0.0	74,0,0
67	ok	103	0.07	0.0	0.0	74,0,0	109	0.07	0.0	0.0	74,0,0
		111	0.07	0.0	0.0	74,0,0	105	0.07	0.0	0.0	74,0,0
68	ok	105	0.07	0.0	0.0	74,0,0	111	0.06	0.0	0.0	74,0,0

		112	0.07	0.0	0.0	74,0,0	106	0.07	0.0	0.0	74,0,0
69	ok	106	0.06	0.0	0.0	74,0,0	112	0.07	0.0	0.0	75,0,0
		113	0.06	0.0	0.0	74,0,0	20	0.11	0.0	0.0	82,0,0
70	ok	20	0.11	0.0	0.0	86,0,0	113	0.07	0.0	0.0	74,0,0
		114	0.07	0.0	0.0	75,0,0	108	0.06	0.0	0.0	62,0,0
71	ok	110	0.06	0.0	0.0	74,0,0	116	0.05	0.0	0.0	74,0,0
		115	0.06	0.0	0.0	74,0,0	109	0.06	0.0	0.0	74,0,0
72	ok	109	0.06	0.0	0.0	74,0,0	115	0.06	0.0	0.0	74,0,0
		117	0.06	0.0	0.0	74,0,0	111	0.06	0.0	0.0	74,0,0
73	ok	111	0.06	0.0	0.0	74,0,0	117	0.06	0.0	0.0	74,0,0
		118	0.06	0.0	0.0	74,0,0	112	0.06	0.0	0.0	74,0,0
74	ok	112	0.06	0.0	0.0	75,0,0	118	0.06	0.0	0.0	74,0,0
		119	0.05	0.0	0.0	75,0,0	113	0.07	0.0	0.0	59,0,0
75	ok	113	0.07	0.0	0.0	75,0,0	119	0.05	0.0	0.0	59,0,0
		120	0.06	0.0	0.0	59,0,0	114	0.06	0.0	0.0	59,0,0
76	ok	116	0.05	0.0	0.0	58,0,0	122	0.04	0.0	0.0	58,0,0
		121	0.05	0.0	0.0	75,0,0	115	0.05	0.0	0.0	59,0,0
77	ok	115	0.05	0.0	0.0	75,0,0	121	0.05	0.0	0.0	75,0,0
		123	0.05	0.0	0.0	75,0,0	117	0.05	0.0	0.0	75,0,0
78	ok	117	0.05	0.0	0.0	75,0,0	123	0.05	0.0	0.0	75,0,0
		124	0.05	0.0	0.0	75,0,0	118	0.05	0.0	0.0	59,0,0
79	ok	118	0.05	0.0	0.0	75,0,0	124	0.05	0.0	0.0	75,0,0
		125	0.05	0.0	0.0	75,0,0	119	0.06	0.0	0.0	75,0,0
80	ok	119	0.05	0.0	0.0	75,0,0	125	0.05	0.0	0.0	75,0,0
		126	0.05	0.0	0.0	75,0,0	120	0.06	0.0	0.0	75,0,0
81	ok	122	0.04	0.0	0.0	59,0,0	128	0.03	0.0	0.0	58,0,0
		127	0.04	0.0	0.0	59,0,0	121	0.04	0.0	0.0	59,0,0
82	ok	121	0.04	0.0	0.0	75,0,0	127	0.04	0.0	0.0	75,0,0
		129	0.04	0.0	0.0	75,0,0	123	0.05	0.0	0.0	75,0,0
83	ok	123	0.05	0.0	0.0	75,0,0	129	0.04	0.0	0.0	75,0,0
		130	0.04	0.0	0.0	75,0,0	124	0.05	0.0	0.0	75,0,0
84	ok	124	0.05	0.0	0.0	75,0,0	130	0.04	0.0	0.0	75,0,0
		131	0.04	0.0	0.0	75,0,0	125	0.05	0.0	0.0	75,0,0
85	ok	125	0.05	0.0	0.0	75,0,0	131	0.04	0.0	0.0	75,0,0
		132	0.04	0.0	0.0	75,0,0	126	0.05	0.0	0.0	75,0,0
86	ok	128	0.03	0.0	0.0	58,0,0	134	0.02	0.0	0.0	58,0,0
		133	0.03	0.0	0.0	74,0,0	127	0.04	0.0	0.0	58,0,0
87	ok	127	0.04	0.0	0.0	74,0,0	133	0.03	0.0	0.0	74,0,0
		135	0.03	0.0	0.0	74,0,0	129	0.04	0.0	0.0	75,0,0
88	ok	129	0.04	0.0	0.0	75,0,0	135	0.03	0.0	0.0	74,0,0
		136	0.03	0.0	0.0	75,0,0	130	0.04	0.0	0.0	75,0,0
89	ok	130	0.04	0.0	0.0	75,0,0	136	0.03	0.0	0.0	75,0,0
		137	0.03	0.0	0.0	75,0,0	131	0.04	0.0	0.0	75,0,0
90	ok	131	0.04	0.0	0.0	75,0,0	137	0.03	0.0	0.0	75,0,0
		138	0.03	0.0	0.0	75,0,0	132	0.04	0.0	0.0	75,0,0
91	ok	134	0.02	0.0	0.0	62,0,0	140	0.01	0.0	0.0	63,0,0
		139	0.02	0.0	0.0	59,0,0	133	0.03	0.0	0.0	59,0,0
92	ok	133	0.02	0.0	0.0	59,0,0	139	0.02	0.0	0.0	75,0,0
		141	0.02	0.0	0.0	75,0,0	135	0.03	0.0	0.0	75,0,0
93	ok	135	0.03	0.0	0.0	75,0,0	141	0.02	0.0	0.0	75,0,0
		142	0.02	0.0	0.0	75,0,0	136	0.03	0.0	0.0	75,0,0
94	ok	136	0.03	0.0	0.0	75,0,0	142	0.02	0.0	0.0	74,0,0
		143	0.02	0.0	0.0	74,0,0	137	0.03	0.0	0.0	75,0,0
95	ok	137	0.03	0.0	0.0	75,0,0	143	0.03	0.0	0.0	74,0,0
		144	0.02	0.0	0.0	75,0,0	138	0.03	0.0	0.0	75,0,0
96	ok	154	5.47e-03	0.0	0.0	79,0,0	26	3.36e-03	0.0	0.0	82,0,0

		145	7.77e-03	0.0	0.0	82,0,0	155	0.01	0.0	0.0	75,0,0
97	ok	155	0.01	0.0	0.0	75,0,0	145	8.86e-03	0.0	0.0	82,0,0
		146	7.43e-03	0.0	0.0	83,0,0	156	0.01	0.0	0.0	82,0,0
98	ok	156	0.01	0.0	0.0	62,0,0	146	8.12e-03	0.0	0.0	74,0,0
		147	9.79e-03	0.0	0.0	86,0,0	77	0.01	0.0	0.0	66,0,0
99	ok	77	0.02	0.0	0.0	78,0,0	147	8.82e-03	0.0	0.0	86,0,0
		148	0.07	0.0	0.0	86,0,0	18	0.07	0.0	0.0	75,0,0
100	ok	18	0.20	0.0	0.0	67,0,0	148	0.06	0.0	0.0	78,0,0
		24	0.05	0.0	0.0	86,0,0	107	0.05	0.0	0.0	82,0,0
101	ok	25	3.26e-03	0.0	0.0	66,0,0	149	8.77e-03	0.0	0.0	86,0,0
		150	0.01	0.0	0.0	82,0,0	27	9.22e-03	0.0	0.0	74,0,0
102	ok	27	0.01	0.0	0.0	74,0,0	150	0.01	0.0	0.0	82,0,0
		151	0.02	0.0	0.0	74,0,0	30	8.80e-03	0.0	0.0	82,0,0
103	ok	30	0.01	0.0	0.0	82,0,0	151	0.01	0.0	0.0	71,0,0
		152	0.02	0.0	0.0	59,0,0	32	6.82e-03	0.0	0.0	79,0,0
104	ok	32	0.01	0.0	0.0	87,0,0	152	0.02	0.0	0.0	74,0,0
		17	0.11	0.0	0.0	82,0,0	34	0.08	0.0	0.0	79,0,0
105	ok	34	0.08	0.0	0.0	87,0,0	17	0.24	0.0	0.0	58,0,0
		153	0.05	0.0	0.0	74,0,0	23	0.06	0.0	0.0	79,0,0
106	ok	140	0.01	0.0	0.0	78,0,0	154	5.77e-03	0.0	0.0	79,0,0
		155	0.01	0.0	0.0	59,0,0	139	0.02	0.0	0.0	62,0,0
107	ok	139	0.02	0.0	0.0	59,0,0	155	0.01	0.0	0.0	75,0,0
		156	0.01	0.0	0.0	75,0,0	141	0.02	0.0	0.0	75,0,0
108	ok	49	0.10	0.0	0.0	83,0,0	55	0.13	0.0	0.0	67,0,0
		162	0.10	0.0	0.0	83,0,0					
109	ok	55	0.08	0.0	0.0	67,0,0	61	0.09	0.0	0.0	83,0,0
		63	0.08	0.0	0.0	83,0,0	162	0.10	0.0	0.0	67,0,0
110	ok	57	0.09	0.0	0.0	67,0,0	162	0.09	0.0	0.0	67,0,0
		63	0.09	0.0	0.0	67,0,0					
111	ok	49	0.10	0.0	0.0	67,0,0	162	0.10	0.0	0.0	83,0,0
		57	0.09	0.0	0.0	67,0,0	51	0.06	0.0	0.0	67,0,0
113	ok	153	0.05	0.0	0.0	74,0,0	36	0.03	0.0	0.0	82,0,0
		165	0.03	0.0	0.0	82,0,0	185	0.02	0.0	0.0	82,0,0
114	ok	36	0.03	0.0	0.0	82,0,0	42	0.04	0.0	0.0	82,0,0
		166	0.04	0.0	0.0	66,0,0	165	0.02	0.0	0.0	66,0,0
115	ok	42	0.04	0.0	0.0	67,0,0	48	0.05	0.0	0.0	67,0,0
		167	0.05	0.0	0.0	67,0,0	166	0.04	0.0	0.0	67,0,0
116	ok	48	0.05	0.0	0.0	67,0,0	54	0.07	0.0	0.0	67,0,0
		168	0.06	0.0	0.0	67,0,0	167	0.05	0.0	0.0	67,0,0
117	ok	144	0.03	0.0	0.0	75,0,0	107	0.04	0.0	0.0	75,0,0
		177	0.02	0.0	0.0	75,0,0	184	0.02	0.0	0.0	75,0,0
118	ok	54	0.07	0.0	0.0	67,0,0	60	0.08	0.0	0.0	67,0,0
		169	0.08	0.0	0.0	66,0,0	168	0.06	0.0	0.0	66,0,0
119	ok	60	0.08	0.0	0.0	66,0,0	66	0.09	0.0	0.0	66,0,0
		170	0.08	0.0	0.0	66,0,0	169	0.08	0.0	0.0	66,0,0
120	ok	66	0.09	0.0	0.0	66,0,0	72	0.09	0.0	0.0	67,0,0
		171	0.09	0.0	0.0	67,0,0	170	0.08	0.0	0.0	66,0,0
121	ok	72	0.09	0.0	0.0	67,0,0	78	0.09	0.0	0.0	71,0,0
		172	0.09	0.0	0.0	87,0,0	171	0.09	0.0	0.0	87,0,0
122	ok	78	0.09	0.0	0.0	71,0,0	84	0.08	0.0	0.0	66,0,0
		173	0.08	0.0	0.0	86,0,0	172	0.09	0.0	0.0	87,0,0
123	ok	84	0.08	0.0	0.0	82,0,0	90	0.07	0.0	0.0	82,0,0
		174	0.08	0.0	0.0	66,0,0	173	0.08	0.0	0.0	66,0,0
124	ok	90	0.08	0.0	0.0	82,0,0	96	0.07	0.0	0.0	83,0,0
		175	0.07	0.0	0.0	83,0,0	174	0.07	0.0	0.0	82,0,0
125	ok	96	0.07	0.0	0.0	75,0,0	102	0.07	0.0	0.0	75,0,0

		176	0.07	0.0	0.0	59,0,0	175	0.07	0.0	0.0	59,0,0
126	ok	102	0.07	0.0	0.0	59,0,0	108	0.07	0.0	0.0	58,0,0
		178	0.07	0.0	0.0	78,0,0	176	0.07	0.0	0.0	58,0,0
127	ok	108	0.07	0.0	0.0	59,0,0	114	0.07	0.0	0.0	75,0,0
		179	0.06	0.0	0.0	62,0,0	178	0.07	0.0	0.0	78,0,0
128	ok	114	0.06	0.0	0.0	59,0,0	120	0.06	0.0	0.0	59,0,0
		180	0.06	0.0	0.0	59,0,0	179	0.06	0.0	0.0	59,0,0
129	ok	120	0.06	0.0	0.0	75,0,0	126	0.05	0.0	0.0	75,0,0
		181	0.05	0.0	0.0	59,0,0	180	0.06	0.0	0.0	59,0,0
130	ok	126	0.05	0.0	0.0	75,0,0	132	0.04	0.0	0.0	75,0,0
		182	0.04	0.0	0.0	75,0,0	181	0.05	0.0	0.0	75,0,0
131	ok	132	0.04	0.0	0.0	75,0,0	138	0.03	0.0	0.0	75,0,0
		183	0.03	0.0	0.0	75,0,0	182	0.04	0.0	0.0	75,0,0
132	ok	138	0.03	0.0	0.0	75,0,0	144	0.03	0.0	0.0	75,0,0
		184	0.02	0.0	0.0	75,0,0	183	0.03	0.0	0.0	75,0,0
133	ok	107	0.04	0.0	0.0	83,0,0	24	0.03	0.0	0.0	82,0,0
		164	0.01	0.0	0.0	83,0,0	177	0.02	0.0	0.0	74,0,0
134	ok	23	0.03	0.0	0.0	74,0,0	153	0.04	0.0	0.0	74,0,0
		185	0.02	0.0	0.0	82,0,0	163	0.01	0.0	0.0	74,0,0
135	ok	185	0.02	0.0	0.0	82,0,0	165	0.02	0.0	0.0	82,0,0
		189	0.02	0.0	0.0	82,0,0	186	0.01	0.0	0.0	82,0,0
136	ok	165	0.02	0.0	0.0	66,0,0	166	0.04	0.0	0.0	66,0,0
		190	0.04	0.0	0.0	66,0,0	189	0.02	0.0	0.0	66,0,0
137	ok	166	0.04	0.0	0.0	67,0,0	167	0.05	0.0	0.0	67,0,0
		191	0.05	0.0	0.0	67,0,0	190	0.04	0.0	0.0	66,0,0
138	ok	167	0.05	0.0	0.0	67,0,0	168	0.06	0.0	0.0	67,0,0
		192	0.06	0.0	0.0	67,0,0	191	0.05	0.0	0.0	66,0,0
139	ok	184	0.02	0.0	0.0	75,0,0	177	0.02	0.0	0.0	75,0,0
		201	0.01	0.0	0.0	75,0,0	208	0.02	0.0	0.0	75,0,0
140	ok	168	0.06	0.0	0.0	66,0,0	169	0.08	0.0	0.0	66,0,0
		193	0.07	0.0	0.0	66,0,0	192	0.06	0.0	0.0	66,0,0
141	ok	169	0.08	0.0	0.0	66,0,0	170	0.08	0.0	0.0	66,0,0
		194	0.08	0.0	0.0	66,0,0	193	0.08	0.0	0.0	71,0,0
142	ok	170	0.08	0.0	0.0	66,0,0	171	0.09	0.0	0.0	67,0,0
		195	0.09	0.0	0.0	67,0,0	194	0.08	0.0	0.0	70,0,0
143	ok	171	0.09	0.0	0.0	87,0,0	172	0.09	0.0	0.0	70,0,0
		196	0.09	0.0	0.0	87,0,0	195	0.09	0.0	0.0	87,0,0
144	ok	172	0.09	0.0	0.0	67,0,0	173	0.08	0.0	0.0	67,0,0
		197	0.08	0.0	0.0	87,0,0	196	0.09	0.0	0.0	87,0,0
145	ok	173	0.08	0.0	0.0	67,0,0	174	0.08	0.0	0.0	66,0,0
		198	0.08	0.0	0.0	70,0,0	197	0.08	0.0	0.0	70,0,0
146	ok	174	0.07	0.0	0.0	82,0,0	175	0.07	0.0	0.0	83,0,0
		199	0.07	0.0	0.0	87,0,0	198	0.07	0.0	0.0	87,0,0
147	ok	175	0.07	0.0	0.0	59,0,0	176	0.07	0.0	0.0	59,0,0
		200	0.07	0.0	0.0	63,0,0	199	0.07	0.0	0.0	62,0,0
148	ok	176	0.07	0.0	0.0	58,0,0	178	0.07	0.0	0.0	58,0,0
		202	0.07	0.0	0.0	58,0,0	200	0.07	0.0	0.0	58,0,0
149	ok	178	0.07	0.0	0.0	62,0,0	179	0.06	0.0	0.0	62,0,0
		203	0.06	0.0	0.0	78,0,0	202	0.07	0.0	0.0	78,0,0
150	ok	179	0.06	0.0	0.0	59,0,0	180	0.06	0.0	0.0	59,0,0
		204	0.06	0.0	0.0	58,0,0	203	0.06	0.0	0.0	58,0,0
151	ok	180	0.06	0.0	0.0	59,0,0	181	0.05	0.0	0.0	59,0,0
		205	0.05	0.0	0.0	59,0,0	204	0.06	0.0	0.0	59,0,0
152	ok	181	0.05	0.0	0.0	59,0,0	182	0.04	0.0	0.0	59,0,0
		206	0.04	0.0	0.0	59,0,0	205	0.05	0.0	0.0	59,0,0
153	ok	182	0.04	0.0	0.0	75,0,0	183	0.03	0.0	0.0	75,0,0

		207	0.03	0.0	0.0	59,0,0	206	0.04	0.0	0.0	75,0,0
154	ok	183	0.03	0.0	0.0	75,0,0	184	0.02	0.0	0.0	75,0,0
		208	0.02	0.0	0.0	59,0,0	207	0.03	0.0	0.0	75,0,0
155	ok	177	0.02	0.0	0.0	75,0,0	164	0.01	0.0	0.0	75,0,0
		188	5.02e-03	0.0	0.0	75,0,0	201	0.01	0.0	0.0	75,0,0
156	ok	163	0.01	0.0	0.0	82,0,0	185	0.02	0.0	0.0	82,0,0
		186	0.01	0.0	0.0	82,0,0	187	6.05e-03	0.0	0.0	82,0,0
157	ok	210	2.28e-03	0.0	0.0	87,0,0	25	2.83e-03	0.0	0.0	86,0,0
		27	8.78e-03	0.0	0.0	82,0,0	211	1.33e-03	0.0	0.0	86,0,0
158	ok	211	3.75e-03	0.0	0.0	82,0,0	27	8.86e-03	0.0	0.0	82,0,0
		30	9.56e-03	0.0	0.0	74,0,0	212	2.72e-03	0.0	0.0	78,0,0
159	ok	212	3.73e-03	0.0	0.0	82,0,0	30	9.30e-03	0.0	0.0	79,0,0
		32	8.74e-03	0.0	0.0	78,0,0	213	8.88e-03	0.0	0.0	78,0,0
160	ok	213	7.37e-03	0.0	0.0	62,0,0	32	0.01	0.0	0.0	58,0,0
		34	0.01	0.0	0.0	74,0,0	214	0.02	0.0	0.0	62,0,0
161	ok	214	0.01	0.0	0.0	63,0,0	34	0.03	0.0	0.0	78,0,0
		23	0.02	0.0	0.0	79,0,0	209	0.02	0.0	0.0	63,0,0
162	ok	209	0.02	0.0	0.0	79,0,0	23	0.03	0.0	0.0	75,0,0
		163	0.01	0.0	0.0	75,0,0	215	0.01	0.0	0.0	79,0,0
163	ok	215	0.01	0.0	0.0	74,0,0	163	0.01	0.0	0.0	74,0,0
		187	5.20e-03	0.0	0.0	82,0,0	216	3.79e-03	0.0	0.0	59,0,0
164	ok	26	2.01e-03	0.0	0.0	79,0,0	218	1.98e-03	0.0	0.0	78,0,0
		219	1.45e-03	0.0	0.0	87,0,0	145	7.10e-03	0.0	0.0	75,0,0
165	ok	145	7.32e-03	0.0	0.0	75,0,0	219	3.08e-03	0.0	0.0	74,0,0
		220	4.40e-03	0.0	0.0	87,0,0	146	8.59e-03	0.0	0.0	83,0,0
166	ok	146	8.35e-03	0.0	0.0	70,0,0	220	4.78e-03	0.0	0.0	70,0,0
		221	0.01	0.0	0.0	87,0,0	147	0.01	0.0	0.0	86,0,0
167	ok	147	0.02	0.0	0.0	67,0,0	221	0.01	0.0	0.0	70,0,0
		222	0.02	0.0	0.0	71,0,0	148	0.01	0.0	0.0	70,0,0
168	ok	148	0.03	0.0	0.0	87,0,0	222	0.01	0.0	0.0	70,0,0
		217	0.02	0.0	0.0	70,0,0	24	0.02	0.0	0.0	86,0,0
169	ok	24	0.03	0.0	0.0	82,0,0	217	0.02	0.0	0.0	86,0,0
		223	0.01	0.0	0.0	86,0,0	164	0.01	0.0	0.0	82,0,0
170	ok	164	0.01	0.0	0.0	83,0,0	223	0.01	0.0	0.0	83,0,0
		224	3.11e-03	0.0	0.0	66,0,0	188	4.33e-03	0.0	0.0	75,0,0

Guscio			**V N/M**	**V V/T cls**	**V V/T acc**			**V N/M**	**V V/T cls**	**V V/T acc**	
			0.24	0.0	0.0						