UNIVERSITÀ DI CAMERINO

AREA TECNICA EDILIZIA

OGGETTO: **Realizzazione struttura temporanea per aule e uffici a servizio del Corso di Laurea in Informatica**

Responsabile del Procedimento
Ing. Gian Luca Marucci

Coordinamento
Prof. Ing. Graziano Leoni

Progettazione

Opere architettoniche: **Geom. Bruno Mogliani**
Geom. Fabio Caroni

Opere strutturali: **Ing. Massimo Ruggeri**

Opere impiantistiche: **Ing. Matteo Massaccesi**

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PROGETTO ESECUTIVO

Relazione di progetto strutturale

ELABORATO
R1

Camerino, Luglio 2018

RELAZIONE DI PROGETTO STRUTTURALE

in accordo alle Norme Tecniche per le Costruzioni di cui al
Decreto Ministeriale 17/01/2018.

Individuazione dell'intervento

Provincia:	MACERATA
Comune:	CAMERINO
Località / Indirizzo:	Madonna delle Carceri
Committente:	Università di Camerino
Progettista Strutturale:	Ing. Ruggeri Massimo

Oggetto:	**STRUTTURA TEMPORANEA PER AULE E UFFICI A SERVIZIO DEL CORSO DI LAUREA IN INFORMATICA**

Contenuti della relazione di progetto strutturale

RELAZIONE DI CALCOLO STRUTTURALE
RELAZIONE SUI MATERIALI
RELAZIONE GEOTECNICA
RELAZIONE SULLA MODELLAZIONE SISMICA

Il Progettista Strutturale
ING. RUGGERI MASSIMO

Sommario

RELAZIONE DI CALCOLO STRUTTURALE

Relazione generale illustrativa dell'opera

Oggetto
Il progetto in esame riguarda le strutture portanti di un edificio ad uso aule e uffici a servizio del Corso di Laurea in Informatica.

Anagrafica cantiere
Indirizzo cantiere: Camerino (MC).
Committente delle opere è l'Università di Camerino.

Descrizione dell'edificio
L'edificio in progetto è caratterizzato da una struttura portante verticale e orizzontale in acciaio e da fondazioni in c.a. in opera.

Si tratta di un edificio monopiano dalla forma in pianta rettangolare regolare, con sbalzi laterali in copertura per la realizzazione di tettoie esterne.

Le dimensioni sono riportate negli elaborati grafici allegati alla presente.

Nel calcolo si definisce **dir.X** la direzione parallela al lato lungo, **dir.Y** la direzione parallela al lato corto.

La copertura è a doppia falda, con colmo parallelo al lato lungo.

La struttura è composta da pilastri a profilo tipo HE incastrati alla base e travi tipo IPE con la pendenza della copertura.
Nella parte centrale le travi sono a sbalzo dai pilastri, e sono collegate al colmo.
Al di sopra delle travi sono bullonati gli arcarecci, in profilo tubolare rettangolare.

Il manto di copertura è costituito da pannelli sandwich con lamiera liscia all'intradosso e nervata all'estradosso, con interposto uno strato isolante in schiuma di poliuretano espanso. I tamponamenti sono in sandwich lisci.

La fondazioni sono realizzate mediante travi gettate in opera, in cui sono annegati i gruppi tirafondi per la connessione dei montanti.

Normative di riferimento

- Legge n.1086 del 5 novembre 1971: "Norme per la disciplina delle opere di conglomerato cementizio armato, normale e precompresso, ed a struttura metallica".
- Legge n.64 del 2 febbraio 1974: "Provvedimenti per le costruzioni con particolari prescrizioni per le zone sismiche".
- D.P.R. n.380 del 6 giugno 2001: "Testo unico delle disposizioni legislative e regolamentari in materia edilizia".

- **D.M. delle Infrastrutture e dei Trasporti del 17 gennaio 2018**: "Aggiornamento delle Norme Tecniche per le Costruzioni".
- **Circ. C.S.LL.PP. n.617 del 2 febbraio 2009**: "Istruzioni per l'applicazione delle nuove norme tecniche per le costruzioni di cui al decreto ministeriale 14 gennaio 2008".

- Norme Tecniche CNR n.10025/84 del 14 dicembre 1983: "Istruzioni per il progetto, l'esecuzione e il controllo delle strutture prefabbricate in conglomerato cementizio e per le strutture costruite con sistemi industrializzati".
- Norme Tecniche CNR-UNI n.10011/88 del giugno 1988: "Costruzioni di acciaio. Istruzioni per il calcolo, l'esecuzione, il collaudo e la manutenzione".
- Norme Tecniche CNR n.10025/98 del 11 settembre 2000: "Istruzioni per il progetto, l'esecuzione ed il controllo delle strutture prefabbricate in calcestruzzo".
- UNI EN 1990: "Criteri generali di progettazione strutturale".
- UNI EN 1991-1-[1, 3, 4, 5, 6]: "Azioni sulle strutture. Azioni in generale".
- UNI EN 1991-3: "Azioni sulle strutture. Azioni indotte da gru e da macchinari".
- UNI EN 1992-1-1: "Progettazione delle strutture di calcestruzzo. Regole generali e regole per gli edifici".
- UNI EN 1993-1-1: "Progettazione delle strutture di acciaio. Regole generali e regole per gli edifici".
- UNI EN 1994-1-1: "Progettazione delle strutture composte acciaio-calcestruzzo. Regole generali e regole per gli edifici".
- UNI EN 1997-1: "Progettazione geotecnica. Regole generali".
- UNI EN 1998-1: "Progettazione delle strutture per la resistenza sismica. Regole generali, azioni sismiche e regole per gli edifici".

  Tutte le norme CNR / CNR-UNI / UNI EN fin qui presentate sono utilizzate come supporto alle norme italiane, a integrazione delle stesse e per quanto con esse non in contrasto.Per l'eventuale applicazione delle UNI EN sono utilizzati i valori raccomandati nelle Appendici Nazionali Italiane approvate dal C.S.LL.PP. nelle riunioni del 24 settembre 2010 e del 25 febbraio 2011. Laddove non disponibili, si fa riferimento ai valori raccomandati dalle EN se tali valori sono coerenti, come criteri e come livelli di sicurezza, a quanto indicato dalle NTC 14/01/2008.

- UNI EN 13369:2008 – Regole comuni per prodotti prefabbricati di calcestruzzo
- UNI EN 13224:2005 – Prodotti prefabbricati di calcestruzzo – ELEMENTI NERVATI PER SOLAI
- UNI EN 13225:2005 – Prodotti prefabbricati di calcestruzzo – ELEMENTI STRUTTURALI LINEARI
- UNI EN 13693:2005 – Prodotti prefabbricati di calcestruzzo – ELEMENTI SPECIALI PER COPERTURE
- UNI EN 13747:2005 – Prodotti prefabbricati di calcestruzzo – LASTRE PER SOLAI
- UNI EN 14843:2007 – Prodotti prefabbricati di calcestruzzo – SCALE
- UNI EN 14991:2007 – Prodotti prefabbricati di calcestruzzo – ELEMENTI DA FONDAZIONE
- UNI EN 14992:2007 – Prodotti prefabbricati di calcestruzzo – ELEMENTI DA PARETE

  Le norme UNI EN di questo elencoriguardano gli elementi prefabbricati di calcestruzzo impiegati nel progetto. Tali norme europee armonizzate hanno la precedenza sulle prescrizioni delle NTC 17/01/2018.

- UNI EN 206-1:2006 – Calcestruzzo: specificazione, prestazione, produzione e conformità

Descrizione del modello strutturale e geotecnico

Il comportamento della sovrastruttura in condizioni statiche e sismiche è analizzato in un modello tridimensionale agli elementi finiti mediante il software WINSTRAND®
Sono impiegati solo elementi finiti tipo "beam monodimensionale" per modellare i pilastri, le travi e gli arcarecci.

I pilastri sono incastrati al piede alla quota di attacco della piastra di base (assunto come quota 0.0 nel modello di calcolo).
In testa ai pilastri sono connesse le travi principali (travi IPE330), svincolate alle rotazioni flessionali ad entrambe le estremità, e le travi secondarie (arcarecci), anch'esse svincolate alle rotazioni flessionali ad entrambe le estremità.

I carichi uniformemente distribuiti sono applicati mediante la definizione geometrica di "Aree di carico" cioè superfici fittizie che distribuiscono il carico sui nodi o sugli elementi strutturali al contorno mediante schemi definiti dall'utente.
Nel modello in esame sono stati applicati mediante aree di carico:

- i carichi uniformemente distribuiti in copertura
- i carichi da vento sui tamponamenti e sulla copertura

Nel calcolo globale del fabbricato non sono tenuti in conto gli effetti globali del sisma verticale come previsto dal D.M.17/01/2018 per la tipologia in esame.

Le strutture di fondazione sono calcolate nello stesso modello, ipotizzando un sottofondo alla Winkler.
Le verifiche geotecniche sono condotte con le combinazioni più gravose delle azioni trasmesse alla base delle strutture di fondazione, impiegando l'approccio 2 e i metodi di calcolo di cui al §6.4.2 e §7.11.5.3.1 delle NTC.

RELAZIONE SUI MATERIALI

Caratteristiche dei materiali impiegati

CALCESTRUZZO C25/30- XC2 – S4 – D_max=20mm PER LE FONDAZIONI

Classe	f_{ck}	α_{cc}	γ_{cls}	E_{cm}	f_{cd}	f_{ctm}	f_{ctk}	f_{ctd}	f_{cfm}	f_{bk}	f_{bd}	ε_{c2}	ε_{cu}	$\sigma_{c,Rara}$	$\sigma_{c,QP}$
	[MPa]			[MPa]	[MPa]	[MPa]	[MPa]	[MPa]	[MPa]	[MPa]	[MPa]			[MPa]	[MPa]
C25/30	25.00	0.85	1.50	31 476	14.17	2.57	1.80	1.20	3.08	4.04	2.70	0.00200	0.00350	15.00	11.25

Calcestruzzo a prestazione garantita secondo UNI EN 206-1

- Cemento conforme alla norma EN 197-1
- Diametro massimo barre di armatura, Φ_{max} = 16 mm
- Aggregati normali conformi alla norma UNI EN 12620, D_{max} = 20 mm
- Interferro minimo d_{bars} = 25 mm
- Acqua di impasto conforme alla norma EN 1008
- Additivi conformi alla norma EN 934-2

Classe esposizione	Minima classe di resistenza	Rapporto $(A/C)_{max}$	Slump	Quantità minima cemento [kg/m^3]	Contenuto minimo aria	Altro
XC2	C25/30	0.60	S4	300	-	-

ACCIAIO IN BARRE AD ADERENZA MIGLIORATA B450C

Classe acciaio	f_{yk}	γ_s	f_{tk}	E_s	f_{yd}	ε_{yd}	ε_{uk}	$(f_y/f_{y,nom})_k$	ε_{ud}	$k = (f_t/f_y)_k$	$\sigma_{s,Rara}$
	[MPa]		[MPa]	[MPa]	[MPa]					[MPa]	[MPa]
B450C	450.00	1.15	540.00	210 000	391.30	0.00186	0.07500	≤ 1.25	0.06750	1.15 - 1.35	360.00

ACCIAIO DA CARPENTERIA S275 PER PROFILI COMMERCIALI

Classe acciaio	Subgrade	f_{tk}	E_s	ν	G_s	f_{yk}	γ_{Rd}	γ_{M0}	γ_{M1}	γ_{M2}	β	β_1	β_2
		[MPa]	[MPa]		[MPa]	[MPa]							
S 275 - UNI EN 10025-2	J0	430	210000	0.3	80769	275	1.15	1.05	1.05	1.25	0.85	0.70	0.85

Eventuali altri materiali o prodotti sono indicati negli elaborati grafici allegati.

Procedure e prove sperimentali di accettazione

COMPONENTI IN C.A. GETTATI IN OPERA
Il Direttore dei Lavori ha l'obbligo di eseguire i controlli di accettazione in cantiere del calcestruzzo e dell'acciaio per la realizzazione delle opere in conglomerato cementizio armato.
Controllo di accettazione del calcestruzzo per ciascuna miscela omogenea:
- controlli tipo A per le miscele omogenee<= 1500 m3 (§11.2.5.1)
- controlli tipo B per le miscele omogenee> 1500 m3 (§11.2.5.2)

Controllo di accettazione dell'acciaio per ciascun lotto proveniente dallo stesso stabilimento:
- prelievo di 3 spezzoni dello stesso diametro, marchiati e inviati al laboratorio prove (§11.3.2.10.4)

COMPONENTI IN ACCIAIO DA CARPENTERIA
La ditta fornitrice della carpenteria metallica dovrà essere certificata UNI EN 1090
Il Direttore Tecnico di officina esegue il controllo sui materiali utilizzati, sui processi di trasformazione e sui prodotti finiti provvedendo alla trascrizione dei risultati su appositi registri. Il processo di fabbricazione avviene con sistema di gestione della qualità in coerenza con la norma UNI EN ISO 9001:2008.
Il Direttore dei Lavori riceve in cantiere le forniture di elementi lavorati accompagnate dalla documentazione prevista all'§11.3.1.7 (dichiarazione, su documento di trasporto, degli estremi dell'attestato di avvenuta dichiarazione di attività, rilasciato dal Servizio Tecnico Centrale, recante il logo o il marchio del centro di trasformazione; attestazione inerente l'esecuzione delle prove di controllo interno fatte eseguire dal Direttore Tecnico con l'indicazione dei giorni nei quali la fornitura è stata lavorata). L'accettazione avviene previa verifica della documentazione suddetta. Resta la possibilità per il Direttore dei Lavori di recarsi presso il centro di trasformazione e far effettuare in stabilimento i controlli necessari, oppure richiedere al Direttore Tecnico copia dei certificati relativi alle prove effettuate nei giorni in cui la lavorazione è stata effettuata.

Accorgimenti per la durabilità

COPRIFERRO MINIMO PER GLI ELEMENTI IN C.A. in accordo al:
- §4.1.6.1.3 NTC2008 e §C4.1.6.1.3 CIRC.617 per i getti in opera;

Tolleranza di posa in opera = 10mm

Tipo elemento	fondazioni in opera
Classe di esposizione	XC2
Riferimento norma	NTC2018
Copriferro minimo	25+10
Copriferro adottato	40

RELAZIONE GEOTECNICA

Il progetto strutturale è stato preceduto da un'analisi geologica dell'area in esame eseguita dal Dott.Geol. Rodolfo Marcelletti di Macerata (MC).

Indagini geotecniche
Per la ricostruzione della locale sequenza stratigrafica sono stati utilizzati i dati dei seguenti sondaggi:
- n°6 prove penetrometriche con mezzo pesante DPSH

I report delle prove sono allegati alla Relazione Geologica e sono stati presi in considerazione dallo scrivente.

Caratterizzazione geotecnica
La successione stratigrafica locale può essere schematizzata come segue:
- **ELUVIO COLLUVIONI** argille limo-sabbiosep; spessore assunto 3.5m;
- **SUBSTRATO ALTERATO** argille siltose sovraconsolidate di colore avana e sabbie caotiche
- **SUBSTRATO** argille siltose sovraconsolidate di colore grigio con sottili orizzonti sabbiosi, a luoghi arenacei

Il modello geotecnico del terreno contempla in favore di sicurezza solo il primo strato (LITOTIPO "A") quindi il substrato non fa parte del volume significativo.
La falda non interessa il volume significativo quindi viene ignorata nel calcolo geotecnico.
Nella tabella seguente si riportano i valori dei parametri meccanici assunti nella modellazione geotecnica del sottosuolo.

TERRENO	γ [kg/mc]	c' [kg/cmq]	φ' [°]	c_u [kg/cmq]	E [kg/cmq]	z_tetto [m]	z_letto [m]
A – ELUVIO COLLUVIONI	1850	0.04	25	0.5	88	0.0	INF

Si opta per un sistema di fondazioni superficiali per la costruzione in esame (grigliato di travi).
All'atto di esecuzione degli scavi per le travi, nel caso si riscontrassero lenti di limi al di sotto del piano di posa, gli stessi dovranno essere completamente asportati fino ad incontrare le formazioni dalle buone caratteristiche geotecniche, e sostituiti con cls magro.
I parametri individuati servono per l'analisi sia in condizioni drenate che in condizioni non drenate, in quanto trattasi di terreno a grana fine.

Indagini geofisiche
Per la caratterizzazione sismica dei terreni sono stati utilizzati i risultati dei seguenti sondaggi:
- n°1 indagine sismica indiretta MASW
- n°1 indagine sismica indirette HVSR

I report delle prove sono allegati alla Relazione Geologica e sono stati presi in considerazione dallo scrivente.

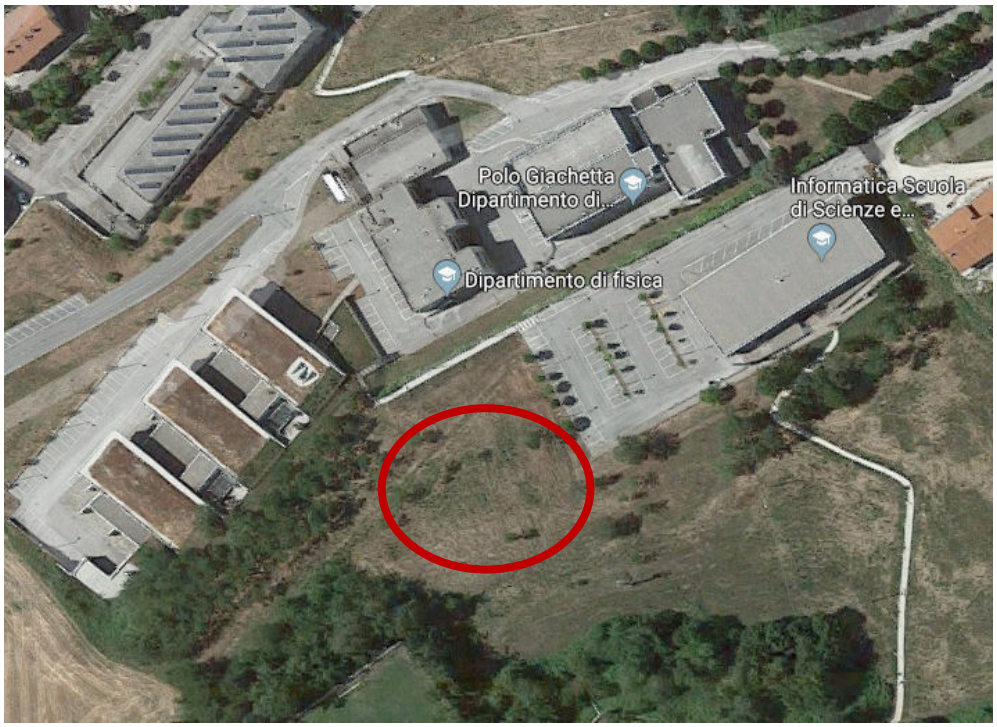
Caratterizzazione geofisica
E' stata determinata la velocità caratteristica delle onde sismiche "S" nei primi 30m di profondità.
E' risultato Vs30 = 371 m/s, quindi il terreno è classificabile in Cat.B.
Per quanto riguarda le condizioni topografiche il sito può essere collocato in categoria "T2".

RELAZIONE SULLA MODELLAZIONE SISMICA

In questo capitolo si riportano le azioni sismiche di progetto, definite a partire dalla **PERICOLOSITA' SISMICA DI BASE** del sito di costruzione.

DATI NECESSARI PER L'ELABORAZIONE

Individuazione cartografica e/o satellitare del sito di costruzione



Coordinate geografiche del sito di costruzione

Longitudine:	**13.0679°**
Latitudine:	**43.1392°**

Vita nominale, Classe d'uso, Periodo di riferimento per l'azione sismica

Vita nominale:	**<= 10 anni** – opere provvisorie
Classe d'uso:	**III** – affollamenti significativi
Periodo di riferimento per l'azione sismica:	**15 anni**

Categoria di sottosuolo

B	Depositi di terreni a grana grossa molto addensati o terreni a grana fina molto consistenti

Categoria topografica

T2	Superficie pianeggiante, pendii e rilievi isolati con inclinazione media i>15°

Punti del reticolo contornanti il sito

Punto	Longitudine	Latitudine
	[°]	[°]
22971	13.0790	43.1340
22749	13.0790	43.1840
22748	13.0100	43.1840
22970	13.0110	43.1340

Parametri spettrali

S.L.	T_R	a_g/g	F_o	T^*_C	F_v	S_S	S	C_C	$T_{B,o}$	$T_{C,o}$	$T_{D,o}$	$T_{B,v}$	$T_{C,v}$	$T_{D,v}$	d_g	v_g
	anni								sec	sec	sec	sec	sec	sec	m	m/s
S.L.V.	332	0.1732	2.4920	0.3245	1.4001	1.2000	1.3200	1.3777	0.1490	0.4471	2.2928	0.0500	0.1500	1.0000	0.057	0.160
S.L.D.	35	0.0716	2.4372	0.2831	0.8802	1.2000	1.3200	1.4158	0.1336	0.4008	1.8863	0.0500	0.1500	1.0000	0.018	0.059

Regolarità e fattore di struttura

La struttura in esame risulta IRREGOLARE IN PIANTA e REGOLARE IN ALTEZZA.
Il comportamento strutturale ipotizzato è NON DISSIPATIVO
q_ORIZ = 1.0

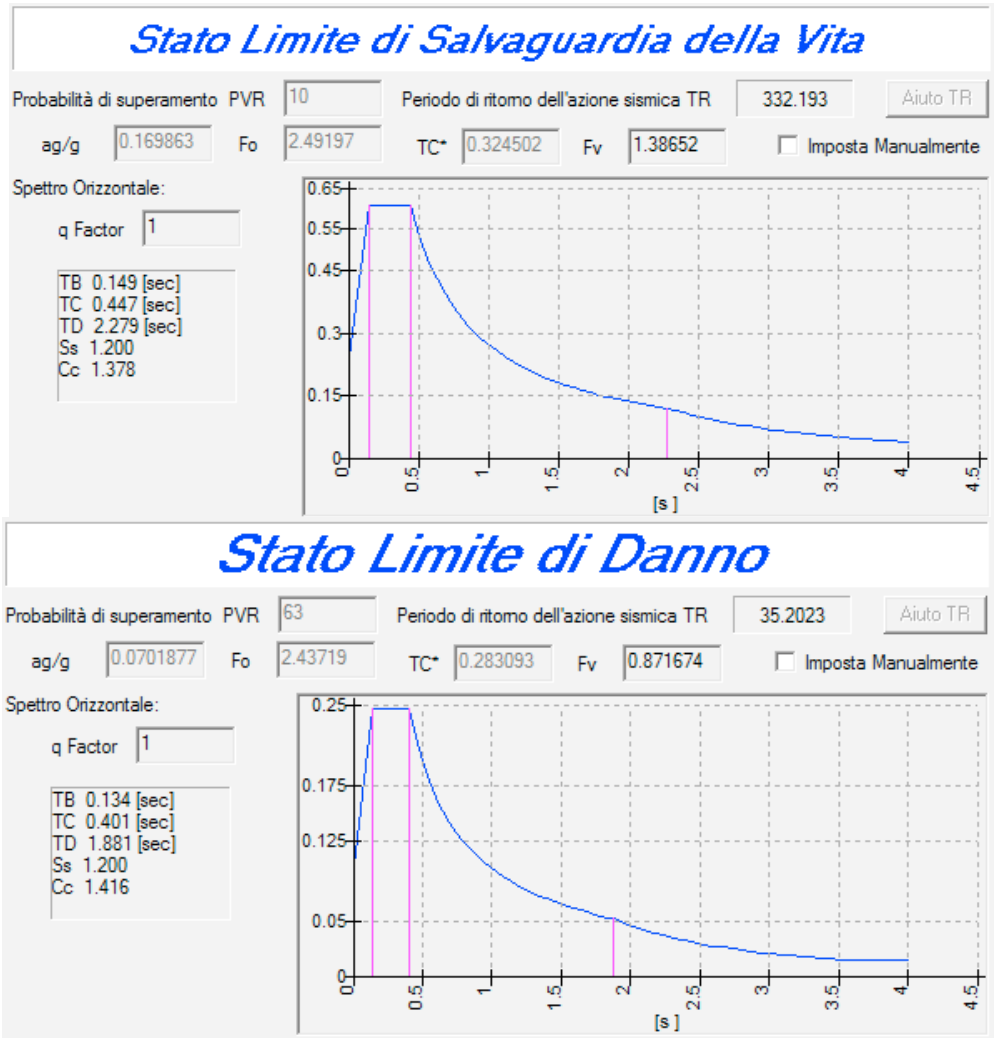


Figura 1 – Spettri di progetto

Indicazioni supplementari per analisi e verifiche svolte con l'ausilio di codici di calcolo

Codice di calcolo 1 : WinStrand

Dichiarazioni secondo N.T.C. 2018 (punto 10.2)
ANALISI E VERIFICHE SVOLTE CON L'AUSILIO DI CODICI DI CALCOLO

Il sottoscritto Ing. Ruggeri Massimo, in qualità di calcolatore delle opere in progetto, dichiara quanto segue:
Tipo di analisi svolta
L'analisi strutturale e le verifiche sono condotte con l'ausilio di un codice di calcolo automatico.
L'analisi strutturale in condizioni statiche è condotta con l'analisi elastica lineare utilizzando il metodo degli spostamenti per la valutazione dello stato tensodeformativo indotto dai carichi. L'analisi strutturale sotto le azioni sismiche è condotta con il metodo dell'analisi dinamica modale (lineare dinamica) e dello spettro di risposta in termini di accelerazione secondo le disposizioni dei capitoli 3 e 7 del DM. 14/01/2008.
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.
La verifica delle sezioni degli elementi strutturali è eseguita con il metodo degli Stati Limite.
Le combinazioni di carico adottate sono esaustive relativamente agli scenari di carico più gravosi cui l'opera sarà soggetta.
Origine e caratteristiche dei codici di calcolo

Titolo	ENEXSYS WinStrand
Versione	2018 - 036
Produttore	En.Ex.Sis. srl – via Tizzano, 46/2 - Casalecchio di Reno (BO)

Affidabilità dei codici di calcolo
Un attento esame preliminare della documentazione a corredo del software ha consentito di valutarne l'affidabilità. La documentazione fornita dal produttore del software contiene un'esauriente descrizione delle basi teoriche, degli algoritmi impiegati e l'individuazione dei campi d'impiego. La società produttrice 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.
Modalità di presentazione dei risultati
La relazione di calcolo strutturale presenta i dati di calcolo in modo tale da garantirne la leggibilità, la corretta interpretazione e la riproducibilità. La relazione di calcolo illustra in modo esaustivo i dati in ingresso e i risultati delle analisi in forma tabellare e grafica.
Informazioni generali sull'elaborazione
Il software prevede una serie di controlli automatici che consentono l'individuazione di errori di modellazione, di non rispetto di limitazioni geometriche e di armatura e di presenza di elementi non verificati. Il codice di calcolo consente di visualizzare e controllare, sia in forma grafica che tabellare, i dati del modello strutturale, in modo da avere una visione consapevole del comportamento corretto del modello strutturale.
Giudizio motivato di accettabilità dei risultati
I risultati delle elaborazioni sono stati sottoposti a controlli dal sottoscritto utente del software. Tale valutazione ha compreso il confronto con i risultati di semplici calcoli, eseguiti con metodi tradizionali. 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.
In base a quanto sopra, io sottoscritto asserisco che l'elaborazione è corretta ed idonea al caso specifico, pertanto i risultati di calcolo sono da ritenersi validi ed accettabili.

Il Progettista Strutturale

ING. RUGGERI MASSIMO

Presentazioni sintetiche di input e output del calcolo

Analisi dei carichi generale

PESI PROPRI DEI MATERIALI STRUTTURALI IMPIEGATI NEL PROGETTO		
Calcestruzzo armato (e/o precompresso)		**25.00** ***kN/mc***
Acciaio		**78.50** ***kN/mc***

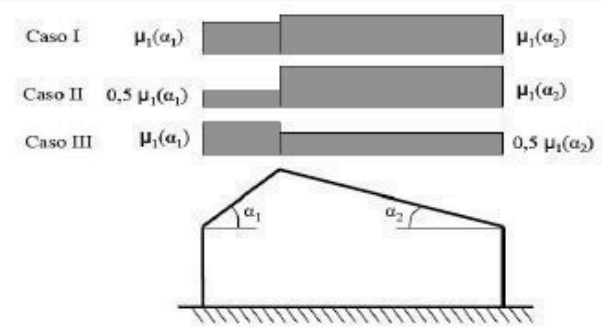
g1 - PESI PROPRI DEGLI ELEMENTI STRUTTURALI (CARICHI PERMANENTI)		
Arcareccio	A= cmq	**0.20** ***kN/m***
Trave	A= cmq	**0.40** ***kN/m***
Montante	A= cmq	**0.30** ***kN/m***
Tamponamenti (sandwich + isolante + cartongesso)		**0.50** ***kN/mq***

Nota: nei modelli di calcolo agli elementi finiti il peso proprio degli elementi strutturali modellati viene calcolato automaticamente dal software a partire dalle dimensioni assegnate alle sezioni e dal peso dell'unità di volume dei materiali impiegati.

g2 - CARICHI PERMANENTI NON STRUTTURALI COMPIUTAMENTE DEFINITI		
Pannello sandwich da copertura grecato termoisolante (comprensivo di fissaggi)		0.15 *kN/mq*
Controsoffitto in lana minerale		0.20 *kN/mq*
Impianti appesi alla copertura		0.15 *kN/mq*
	TOT g2 =	**0.50** ***kN/mq***

q_i - CARICO VARIABILE NEVE

Regione: Marche
Provincia: Macerata
Ubicazione: Zona II
Quota sito s.l.m.m. a_s: 580 m
Topografia: Normale
Coefficiente di esposizione C_E: 1.0
Coefficiente termico C_t: 1.00
Valore car. di carico neve al suolo (T_R=50anni) q_{sk}: 2.09 kN/m^2
Angolo α della falda 1 sull'orizzontale: 10°
Angolo α della falda 2 sull'orizzontale: 10°
Coefficiente di forma $\mu_1(\alpha 1)$: 0.80
Coefficiente di forma $\mu_1(\alpha 2)$: 0.80



Caso (unico) - Carico neve teorico q_{neve}: **1.67 kN/m^2**

N.B. i restanti casi (II e III) non sono maggiormente gravosi per la struttura in esame

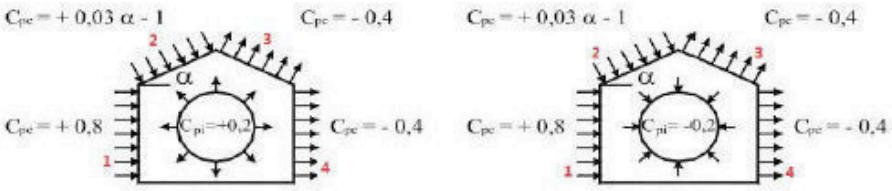
COEFFICIENTI DI COMBINAZIONE Neve (a quota <= 1000 m s.l.m.)	
ψ_0=	0.5 [ ]
ψ_1=	0.2 [ ]
ψ_2=	0.0 [ ]

q_j - CARICO VARIABILE VENTO

Regione: Marche
$v_{b,0}$: 27.00 m/s
a_0: 500.00 m
k_s: 0.37
Quota s.l.m.m.: 580 m
c_a = 1.059
Tempo di ritorno T_R: 50 anni
c_r = 1.000
Classe di rugosità: C
Distanza dalla costa: >30 km
Categoria di esposizione: IV
k_r: 0.22
z_0: 0.30 m
z_{min}: 8.00 m
Altezza max edificio sul p.c.: 4.00 m
Coefficiente di esposizione c_e: 1.63
vr: 28.59 m/s
$q_b(T_R)$: 510.90 N/m^2

Coefficienti di pressione
cpe,1 = 0.8
cpe,2 = -0.4
cpe,3 = -0.4
cpe,4 = -0.4
cpi = ±0.2

Direzione del vento



Pressioni del vento (area interna in

p1 = 0.50 kN/m2
p2 = -0.50 kN/m2
p3 = -0.50 kN/m2
p4 = -0.50 kN/m2

p1 = 0.83 kN/m2
p2 = -0.17 kN/m2
p3 = -0.17 kN/m2
p4 = -0.17 kN/m2

COEFFICIENTI DI COMBINAZIONE Vento	
ψ_0=	0.6 [ ]
ψ_1=	0.2 [ ]
ψ_2=	0.0 [ ]

CALCOLO CARICO NEVE SU
COPERTURE ADIACENTI O VICINE A COSTRUZIONI PIU' ALTE
§C3.4.5.6 CIRC.617

mu_s =	0	[ ]	coefficiente di scivolamento dalla copertura superiore
b1 =	43	m	
b2 =	2.2	m	
h1 =	4.5	m	
h2 =	3.1	m	
h =	1.4	m	
mu_w1 =	16.377	[ ]	coefficiente di redistribuzione operata dal vento
mu_w2 =	2.760	[ ]	gamma * h / q_sk
mu_w3 =	4.000	[ ]	limite superiore
mu_w =	2.760		min (mu_w_i)
mu_1 =	0.80	[ ]	
mu_2 =	2.76	[ ]	
l_s =	2.76	m	b2 < ls

interpolazione lineare per ricavare mu in punta alla copertura più bassa

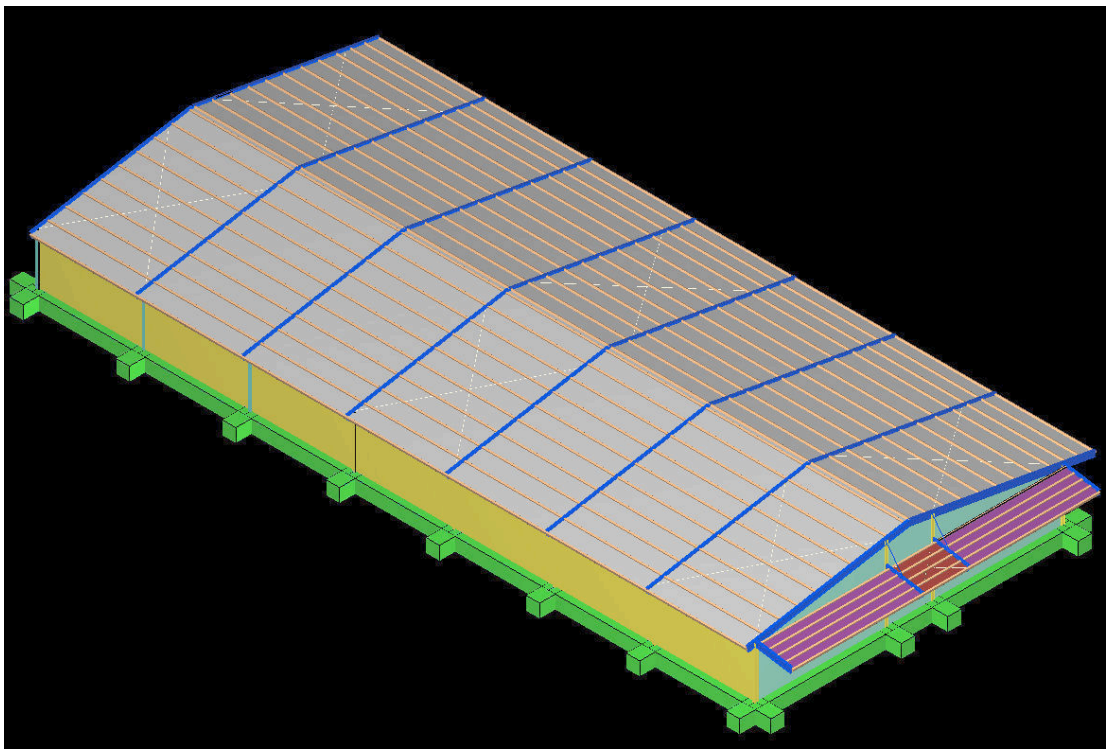
mu(b2) =	1.20	[ ]	

carico neve nominale	q =	1.67	kN/mq	
carico neve in accostamento all'edificio più alto	q1 =	4.61	kN/mq	
carico neve in punta	q2 =	2.00	kN/mq	

In favore di sicurezza, si considera su tutta la pensilina, un carico neve pari alla media tra questi due valori agli estremi

q_pensilina =	3.30	kN/mq	

Modello globale agli elementi finiti



Nel tabulato allegato sono descritti nel dettaglio l'input e l'output del modello di calcolo.

ELENCO ALLEGATI

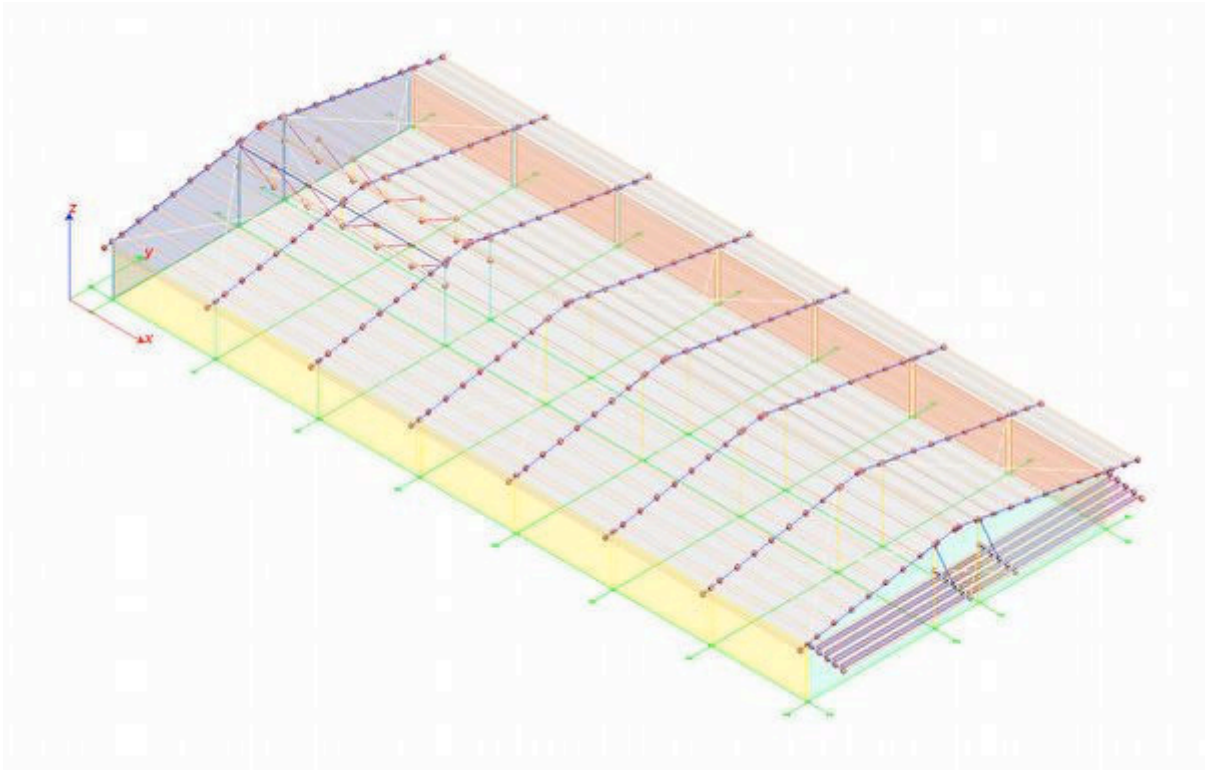
1. **Tabulati modello globale agli elementi finiti**

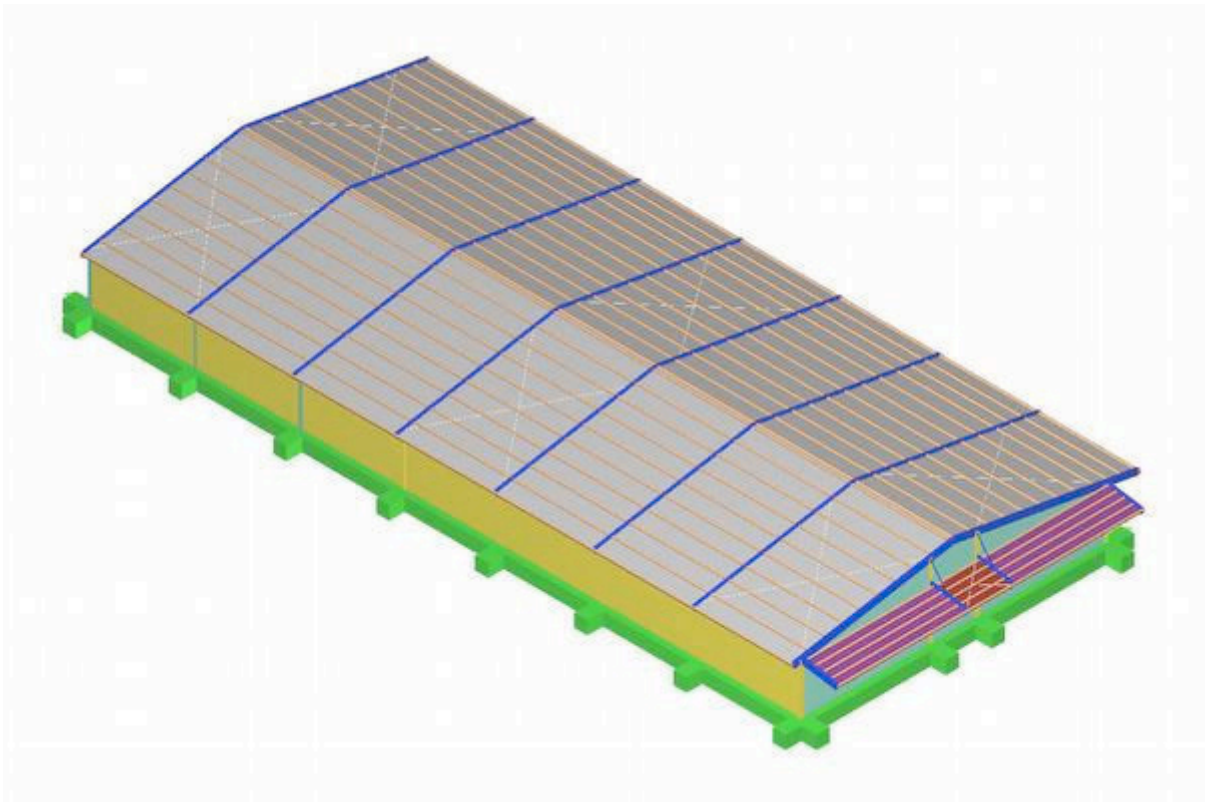
2. **Calcolo delle connessioni**

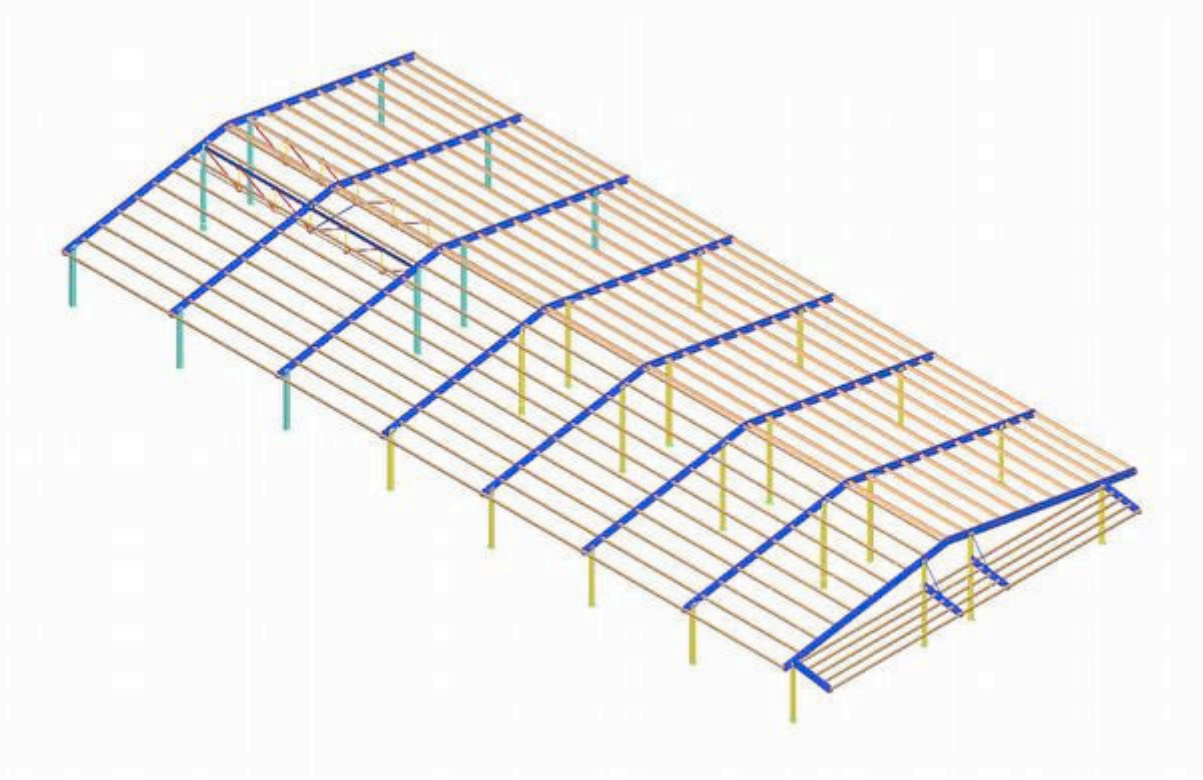
3. **Relazione di calcolo delle fondazioni**

Allegato1

Tabulati modello globale agli elementi finiti







Dati relativi ai nodi della struttura

Convenzioni adottate

La terna di riferimento generale è destrorsa.
I nodi vengono numerati, con riferimento a una sezione orizzontale, da sinistra a destra, dal basso verso l'alto e per quote crescenti.
L'impalcato di appartenenza di un nodo è definito, in generale, dalla prima delle tre cifre che ne definiscono il numero, possono tuttavia presentarsi casi in cui si hanno più di 100 nodi per solaio nel qual caso il solaio di appartenenza è specificato dall'ultimo valore stampato nella riga dei dati relativi al nodo.
La maschera dei vincoli è costituita dai valori 0 e 1. Il valore 1 indica che per il nodo in riferimento il grado di libertà correlativo è soppresso mentre il valore 0 indica che è libero.
Nel caso di edifici civili multipiano l'asse *z* generale coincide con l'asse verticale rivolto verso l'alto.

Nodi

Nodo	x [m]	y [m]	z [m]	Ux	Uy	Uz	Rx	Ry	Rz	Solaio
1	0.000	0.000	0.000	1	1	0	0	0	1	0
2	0.000	7.830	0.000	1	1	0	0	0	1	0
3	0.000	10.620	0.000	1	1	0	0	0	1	0
4	0.000	18.450	0.000	1	1	0	0	0	1	0
5	0.000	-1.340	0.000	1	1	0	0	0	1	0
6	6.385	-1.340	0.000	1	1	0	0	0	1	0
7	12.770	-1.340	0.000	1	1	0	0	0	1	0
8	19.000	-1.340	0.000	1	1	0	0	0	1	0
9	25.010	-1.340	0.000	1	1	0	0	0	1	0
10	31.020	-1.340	0.000	1	1	0	0	0	1	0
11	37.030	-1.340	0.000	1	1	0	0	0	1	0
12	43.040	-1.340	0.000	1	1	0	0	0	1	0
13	-1.340	0.000	0.000	1	1	0	0	0	1	0
14	6.385	0.000	0.000	1	1	0	0	0	1	0
15	12.770	0.000	0.000	1	1	0	0	0	1	0

Nodo	x [m]	y [m]	z [m]	Ux	Uy	Uz	Rx	Ry	Rz	Solaio
16	19.000	0.000	0.000	1	1	0	0	0	1	0
17	25.010	0.000	0.000	1	1	0	0	0	1	0
18	31.020	0.000	0.000	1	1	0	0	0	1	0
19	37.030	0.000	0.000	1	1	0	0	0	1	0
20	43.040	0.000	0.000	1	1	0	0	0	1	0
21	44.380	0.000	0.000	1	1	0	0	0	1	0
22	-1.340	7.830	0.000	1	1	0	0	0	1	0
23	12.770	7.830	0.000	1	1	0	0	0	1	0
24	19.000	7.830	0.000	1	1	0	0	0	1	0
25	25.010	7.830	0.000	1	1	0	0	0	1	0
26	31.020	7.830	0.000	1	1	0	0	0	1	0
27	37.030	7.830	0.000	1	1	0	0	0	1	0
28	43.040	7.830	0.000	1	1	0	0	0	1	0
29	44.380	7.830	0.000	1	1	0	0	0	1	0
30	-1.340	10.620	0.000	1	1	0	0	0	1	0
31	12.770	10.620	0.000	1	1	0	0	0	1	0
32	19.000	10.620	0.000	1	1	0	0	0	1	0
33	25.010	10.620	0.000	1	1	0	0	0	1	0
34	31.020	10.620	0.000	1	1	0	0	0	1	0
35	37.030	10.620	0.000	1	1	0	0	0	1	0
36	43.040	10.620	0.000	1	1	0	0	0	1	0
37	44.380	10.620	0.000	1	1	0	0	0	1	0
38	-1.340	18.450	0.000	1	1	0	0	0	1	0
39	6.385	18.450	0.000	1	1	0	0	0	1	0
40	12.770	18.450	0.000	1	1	0	0	0	1	0
41	19.000	18.450	0.000	1	1	0	0	0	1	0
42	25.010	18.450	0.000	1	1	0	0	0	1	0
43	31.020	18.450	0.000	1	1	0	0	0	1	0
44	37.030	18.450	0.000	1	1	0	0	0	1	0
45	43.040	18.450	0.000	1	1	0	0	0	1	0
46	44.380	18.450	0.000	1	1	0	0	0	1	0
47	0.000	19.790	0.000	1	1	0	0	0	1	0
48	6.385	19.790	0.000	1	1	0	0	0	1	0
49	12.770	19.790	0.000	1	1	0	0	0	1	0
50	19.000	19.790	0.000	1	1	0	0	0	1	0
51	25.010	19.790	0.000	1	1	0	0	0	1	0
52	31.020	19.790	0.000	1	1	0	0	0	1	0
53	37.030	19.790	0.000	1	1	0	0	0	1	0
54	43.040	19.790	0.000	1	1	0	0	0	1	0
55	45.240	0.000	2.750	0	0	0	0	0	0	0
56	45.240	7.830	2.750	0	0	0	0	0	0	0
57	45.240	10.620	2.750	0	0	0	0	0	0	0
58	45.240	18.450	2.750	0	0	0	0	0	0	0
59	0.000	20.417	2.753	0	0	0	0	0	0	0
60	6.385	20.417	2.753	0	0	0	0	0	0	0
61	12.770	20.417	2.753	0	0	0	0	0	0	0
62	19.000	20.417	2.753	0	0	0	0	0	0	0

Nodo	x [m]	y [m]	z [m]	Ux	Uy	Uz	Rx	Ry	Rz	Solaio
63	25.010	20.417	2.753	0	0	0	0	0	0	0
64	31.020	20.417	2.753	0	0	0	0	0	0	0
65	37.030	20.417	2.753	0	0	0	0	0	0	0
66	43.040	20.417	2.753	0	0	0	0	0	0	0
67	44.732	0.000	2.831	0	0	0	0	0	0	0
68	44.732	7.830	2.831	0	0	0	0	0	0	0
69	44.732	10.620	2.831	0	0	0	0	0	0	0
70	44.732	18.450	2.831	0	0	0	0	0	0	0
71	0.000	19.580	2.901	0	0	0	0	0	0	0
72	6.385	19.580	2.901	0	0	0	0	0	0	0
73	12.770	19.580	2.901	0	0	0	0	0	0	0
74	19.000	19.580	2.901	0	0	0	0	0	0	0
75	25.010	19.580	2.901	0	0	0	0	0	0	0
76	31.020	19.580	2.901	0	0	0	0	0	0	0
77	37.030	19.580	2.901	0	0	0	0	0	0	0
78	43.040	19.580	2.901	0	0	0	0	0	0	0
79	44.225	0.000	2.911	0	0	0	0	0	0	0
80	44.225	7.830	2.911	0	0	0	0	0	0	0
81	44.225	10.620	2.911	0	0	0	0	0	0	0
82	44.225	18.450	2.911	0	0	0	0	0	0	0
83	43.731	0.000	2.990	0	0	0	0	0	0	0
84	43.731	7.830	2.990	0	0	0	0	0	0	0
85	43.731	10.620	2.990	0	0	0	0	0	0	0
86	43.731	18.450	2.990	0	0	0	0	0	0	0
87	0.000	-0.500	3.012	0	0	0	0	0	0	0
88	6.385	-0.500	3.012	0	0	0	0	0	0	0
89	12.770	-0.500	3.012	0	0	0	0	0	0	0
90	19.000	-0.500	3.012	0	0	0	0	0	0	0
91	25.010	-0.500	3.012	0	0	0	0	0	0	0
92	31.020	-0.500	3.012	0	0	0	0	0	0	0
93	37.030	-0.500	3.012	0	0	0	0	0	0	0
94	43.040	-0.500	3.012	0	0	0	0	0	0	0
95	0.000	18.743	3.048	0	0	0	0	0	0	0
96	6.385	18.743	3.048	0	0	0	0	0	0	0
97	12.770	18.743	3.048	0	0	0	0	0	0	0
98	19.000	18.743	3.048	0	0	0	0	0	0	0
99	25.010	18.743	3.048	0	0	0	0	0	0	0
100	31.020	18.743	3.048	0	0	0	0	0	0	0
101	37.030	18.743	3.048	0	0	0	0	0	0	0
102	43.040	18.743	3.048	0	0	0	0	0	0	0
103	43.238	0.000	3.069	0	0	0	0	0	0	0
104	43.238	7.830	3.069	0	0	0	0	0	0	0
105	43.238	10.620	3.069	0	0	0	0	0	0	0
106	43.238	18.450	3.069	0	0	0	0	0	0	0
107	0.000	0.000	3.100	0	0	0	0	0	0	0
108	6.385	0.000	3.100	0	0	0	0	0	0	0
109	12.770	0.000	3.100	0	0	0	0	0	0	0

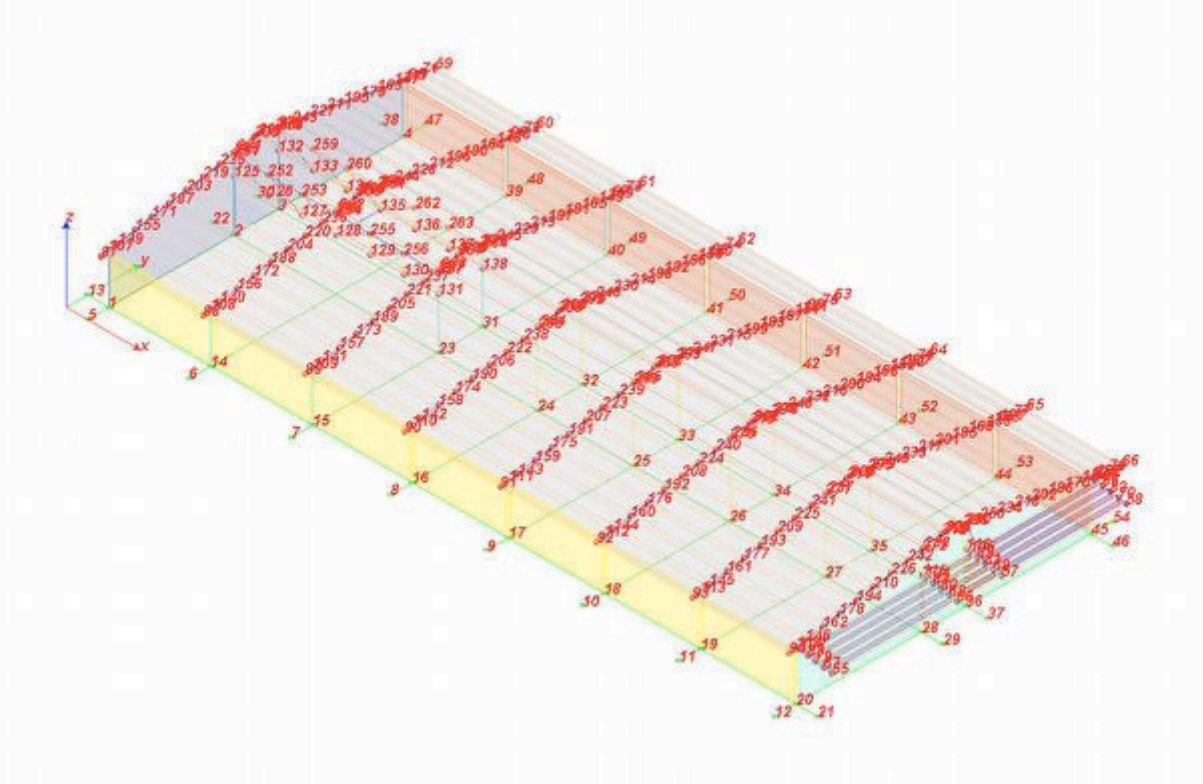
Nodo	x [m]	y [m]	z [m]	Ux	Uy	Uz	Rx	Ry	Rz	Solaio
110	19.000	0.000	3.100	0	0	0	0	0	0	0
111	25.010	0.000	3.100	0	0	0	0	0	0	0
112	31.020	0.000	3.100	0	0	0	0	0	0	0
113	37.030	0.000	3.100	0	0	0	0	0	0	0
114	43.040	0.000	3.100	0	0	0	0	0	0	0
115	43.040	7.830	3.100	0	0	0	0	0	0	0
116	43.040	10.620	3.100	0	0	0	0	0	0	0
117	0.000	18.450	3.100	0	0	0	0	0	0	0
118	6.385	18.450	3.100	0	0	0	0	0	0	0
119	12.770	18.450	3.100	0	0	0	0	0	0	0
120	19.000	18.450	3.100	0	0	0	0	0	0	0
121	25.010	18.450	3.100	0	0	0	0	0	0	0
122	31.020	18.450	3.100	0	0	0	0	0	0	0
123	37.030	18.450	3.100	0	0	0	0	0	0	0
124	43.040	18.450	3.100	0	0	0	0	0	0	0
125	0.000	7.830	3.180	0	0	0	0	0	0	0
126	2.128	7.830	3.180	0	0	0	0	0	0	0
127	4.257	7.830	3.180	0	0	0	0	0	0	0
128	6.385	7.830	3.180	0	0	0	0	0	0	0
129	8.513	7.830	3.180	0	0	0	0	0	0	0
130	10.642	7.830	3.180	0	0	0	0	0	0	0
131	12.770	7.830	3.180	0	0	0	0	0	0	0
132	0.000	10.620	3.180	0	0	0	0	0	0	0
133	2.128	10.620	3.180	0	0	0	0	0	0	0
134	4.257	10.620	3.180	0	0	0	0	0	0	0
135	6.385	10.620	3.180	0	0	0	0	0	0	0
136	8.513	10.620	3.180	0	0	0	0	0	0	0
137	10.642	10.620	3.180	0	0	0	0	0	0	0
138	12.770	10.620	3.180	0	0	0	0	0	0	0
139	0.000	0.569	3.200	0	0	0	0	0	0	0
140	6.385	0.569	3.200	0	0	0	0	0	0	0
141	12.770	0.569	3.200	0	0	0	0	0	0	0
142	19.000	0.569	3.200	0	0	0	0	0	0	0
143	25.010	0.569	3.200	0	0	0	0	0	0	0
144	31.020	0.569	3.200	0	0	0	0	0	0	0
145	37.030	0.569	3.200	0	0	0	0	0	0	0
146	43.040	0.569	3.200	0	0	0	0	0	0	0
147	0.000	17.881	3.200	0	0	0	0	0	0	0
148	6.385	17.881	3.200	0	0	0	0	0	0	0
149	12.770	17.881	3.200	0	0	0	0	0	0	0
150	19.000	17.881	3.200	0	0	0	0	0	0	0
151	25.010	17.881	3.200	0	0	0	0	0	0	0
152	31.020	17.881	3.200	0	0	0	0	0	0	0
153	37.030	17.881	3.200	0	0	0	0	0	0	0
154	43.040	17.881	3.200	0	0	0	0	0	0	0
155	0.000	1.633	3.388	0	0	0	0	0	0	0
156	6.385	1.633	3.388	0	0	0	0	0	0	0

Nodo	x [m]	y [m]	z [m]	Ux	Uy	Uz	Rx	Ry	Rz	Solaio
157	12.770	1.633	3.388	0	0	0	0	0	0	0
158	19.000	1.633	3.388	0	0	0	0	0	0	0
159	25.010	1.633	3.388	0	0	0	0	0	0	0
160	31.020	1.633	3.388	0	0	0	0	0	0	0
161	37.030	1.633	3.388	0	0	0	0	0	0	0
162	43.040	1.633	3.388	0	0	0	0	0	0	0
163	0.000	16.817	3.388	0	0	0	0	0	0	0
164	6.385	16.817	3.388	0	0	0	0	0	0	0
165	12.770	16.817	3.388	0	0	0	0	0	0	0
166	19.000	16.817	3.388	0	0	0	0	0	0	0
167	25.010	16.817	3.388	0	0	0	0	0	0	0
168	31.020	16.817	3.388	0	0	0	0	0	0	0
169	37.030	16.817	3.388	0	0	0	0	0	0	0
170	43.040	16.817	3.388	0	0	0	0	0	0	0
171	0.000	2.696	3.575	0	0	0	0	0	0	0
172	6.385	2.696	3.575	0	0	0	0	0	0	0
173	12.770	2.696	3.575	0	0	0	0	0	0	0
174	19.000	2.696	3.575	0	0	0	0	0	0	0
175	25.010	2.696	3.575	0	0	0	0	0	0	0
176	31.020	2.696	3.575	0	0	0	0	0	0	0
177	37.030	2.696	3.575	0	0	0	0	0	0	0
178	43.040	2.696	3.575	0	0	0	0	0	0	0
179	0.000	15.754	3.575	0	0	0	0	0	0	0
180	6.385	15.754	3.575	0	0	0	0	0	0	0
181	12.770	15.754	3.575	0	0	0	0	0	0	0
182	19.000	15.754	3.575	0	0	0	0	0	0	0
183	25.010	15.754	3.575	0	0	0	0	0	0	0
184	31.020	15.754	3.575	0	0	0	0	0	0	0
185	37.030	15.754	3.575	0	0	0	0	0	0	0
186	43.040	15.754	3.575	0	0	0	0	0	0	0
187	0.000	3.760	3.763	0	0	0	0	0	0	0
188	6.385	3.760	3.763	0	0	0	0	0	0	0
189	12.770	3.760	3.763	0	0	0	0	0	0	0
190	19.000	3.760	3.763	0	0	0	0	0	0	0
191	25.010	3.760	3.763	0	0	0	0	0	0	0
192	31.020	3.760	3.763	0	0	0	0	0	0	0
193	37.030	3.760	3.763	0	0	0	0	0	0	0
194	43.040	3.760	3.763	0	0	0	0	0	0	0
195	0.000	14.690	3.763	0	0	0	0	0	0	0
196	6.385	14.690	3.763	0	0	0	0	0	0	0
197	12.770	14.690	3.763	0	0	0	0	0	0	0
198	19.000	14.690	3.763	0	0	0	0	0	0	0
199	25.010	14.690	3.763	0	0	0	0	0	0	0
200	31.020	14.690	3.763	0	0	0	0	0	0	0
201	37.030	14.690	3.763	0	0	0	0	0	0	0
202	43.040	14.690	3.763	0	0	0	0	0	0	0
203	0.000	4.823	3.950	0	0	0	0	0	0	0

Nodo	x [m]	y [m]	z [m]	Ux	Uy	Uz	Rx	Ry	Rz	Solaio
204	6.385	4.823	3.950	0	0	0	0	0	0	0
205	12.770	4.823	3.950	0	0	0	0	0	0	0
206	19.000	4.823	3.950	0	0	0	0	0	0	0
207	25.010	4.823	3.950	0	0	0	0	0	0	0
208	31.020	4.823	3.950	0	0	0	0	0	0	0
209	37.030	4.823	3.950	0	0	0	0	0	0	0
210	43.040	4.823	3.950	0	0	0	0	0	0	0
211	0.000	13.627	3.950	0	0	0	0	0	0	0
212	6.385	13.627	3.950	0	0	0	0	0	0	0
213	12.770	13.627	3.950	0	0	0	0	0	0	0
214	19.000	13.627	3.950	0	0	0	0	0	0	0
215	25.010	13.627	3.950	0	0	0	0	0	0	0
216	31.020	13.627	3.950	0	0	0	0	0	0	0
217	37.030	13.627	3.950	0	0	0	0	0	0	0
218	43.040	13.627	3.950	0	0	0	0	0	0	0
219	0.000	5.887	4.138	0	0	0	0	0	0	0
220	6.385	5.887	4.138	0	0	0	0	0	0	0
221	12.770	5.887	4.138	0	0	0	0	0	0	0
222	19.000	5.887	4.138	0	0	0	0	0	0	0
223	25.010	5.887	4.138	0	0	0	0	0	0	0
224	31.020	5.887	4.138	0	0	0	0	0	0	0
225	37.030	5.887	4.138	0	0	0	0	0	0	0
226	43.040	5.887	4.138	0	0	0	0	0	0	0
227	0.000	12.563	4.138	0	0	0	0	0	0	0
228	6.385	12.563	4.138	0	0	0	0	0	0	0
229	12.770	12.563	4.138	0	0	0	0	0	0	0
230	19.000	12.563	4.138	0	0	0	0	0	0	0
231	25.010	12.563	4.138	0	0	0	0	0	0	0
232	31.020	12.563	4.138	0	0	0	0	0	0	0
233	37.030	12.563	4.138	0	0	0	0	0	0	0
234	43.040	12.563	4.138	0	0	0	0	0	0	0
235	0.000	6.951	4.325	0	0	0	0	0	0	0
236	6.385	6.951	4.325	0	0	0	0	0	0	0
237	12.770	6.951	4.325	0	0	0	0	0	0	0
238	19.000	6.951	4.325	0	0	0	0	0	0	0
239	25.010	6.951	4.325	0	0	0	0	0	0	0
240	31.020	6.951	4.325	0	0	0	0	0	0	0
241	37.030	6.951	4.325	0	0	0	0	0	0	0
242	43.040	6.951	4.325	0	0	0	0	0	0	0
243	0.000	11.499	4.325	0	0	0	0	0	0	0
244	6.385	11.499	4.325	0	0	0	0	0	0	0
245	12.770	11.499	4.325	0	0	0	0	0	0	0
246	19.000	11.499	4.325	0	0	0	0	0	0	0
247	25.010	11.499	4.325	0	0	0	0	0	0	0
248	31.020	11.499	4.325	0	0	0	0	0	0	0
249	37.030	11.499	4.325	0	0	0	0	0	0	0
250	43.040	11.499	4.325	0	0	0	0	0	0	0

Nodo	x [m]	y [m]	z [m]	Ux	Uy	Uz	Rx	Ry	Rz	Solaio
251	0.000	7.830	4.330	0	0	0	0	0	0	0
252	2.128	7.830	4.330	0	0	0	0	0	0	0
253	4.257	7.830	4.330	0	0	0	0	0	0	0
254	6.385	7.830	4.330	0	0	0	0	0	0	0
255	8.513	7.830	4.330	0	0	0	0	0	0	0
256	10.642	7.830	4.330	0	0	0	0	0	0	0
257	12.770	7.830	4.330	0	0	0	0	0	0	0
258	0.000	10.620	4.330	0	0	0	0	0	0	0
259	2.128	10.620	4.330	0	0	0	0	0	0	0
260	4.257	10.620	4.330	0	0	0	0	0	0	0
261	6.385	10.620	4.330	0	0	0	0	0	0	0
262	8.513	10.620	4.330	0	0	0	0	0	0	0
263	10.642	10.620	4.330	0	0	0	0	0	0	0
264	12.770	10.620	4.330	0	0	0	0	0	0	0
265	0.000	7.830	4.480	0	0	0	0	0	0	0
266	6.385	7.830	4.480	0	0	0	0	0	0	0
267	12.770	7.830	4.480	0	0	0	0	0	0	0
268	19.000	7.830	4.480	0	0	0	0	0	0	0
269	25.010	7.830	4.480	0	0	0	0	0	0	0
270	31.020	7.830	4.480	0	0	0	0	0	0	0
271	37.030	7.830	4.480	0	0	0	0	0	0	0
272	43.040	7.830	4.480	0	0	0	0	0	0	0
273	0.000	10.620	4.480	0	0	0	0	0	0	0
274	6.385	10.620	4.480	0	0	0	0	0	0	0
275	12.770	10.620	4.480	0	0	0	0	0	0	0
276	19.000	10.620	4.480	0	0	0	0	0	0	0
277	25.010	10.620	4.480	0	0	0	0	0	0	0
278	31.020	10.620	4.480	0	0	0	0	0	0	0
279	37.030	10.620	4.480	0	0	0	0	0	0	0
280	43.040	10.620	4.480	0	0	0	0	0	0	0
281	0.000	8.014	4.512	0	0	0	0	0	0	0
282	6.385	8.014	4.512	0	0	0	0	0	0	0
283	12.770	8.014	4.512	0	0	0	0	0	0	0
284	19.000	8.014	4.512	0	0	0	0	0	0	0
285	25.010	8.014	4.512	0	0	0	0	0	0	0
286	31.020	8.014	4.512	0	0	0	0	0	0	0
287	37.030	8.014	4.512	0	0	0	0	0	0	0
288	43.040	8.014	4.512	0	0	0	0	0	0	0
289	0.000	10.436	4.512	0	0	0	0	0	0	0
290	6.385	10.436	4.512	0	0	0	0	0	0	0
291	12.770	10.436	4.512	0	0	0	0	0	0	0
292	19.000	10.436	4.512	0	0	0	0	0	0	0
293	25.010	10.436	4.512	0	0	0	0	0	0	0
294	31.020	10.436	4.512	0	0	0	0	0	0	0
295	37.030	10.436	4.512	0	0	0	0	0	0	0
296	43.040	10.436	4.512	0	0	0	0	0	0	0
297	0.000	9.373	4.700	0	0	0	0	0	0	0

Nodo	x [m]	y [m]	z [m]	Ux	Uy	Uz	Rx	Ry	Rz	Solaio
298	6.385	9.373	4.700	0	0	0	0	0	0	0
299	12.770	9.373	4.700	0	0	0	0	0	0	0
300	19.000	9.373	4.700	0	0	0	0	0	0	0
301	25.010	9.373	4.700	0	0	0	0	0	0	0
302	31.020	9.373	4.700	0	0	0	0	0	0	0
303	37.030	9.373	4.700	0	0	0	0	0	0	0
304	43.040	9.373	4.700	0	0	0	0	0	0	0
305	0.000	9.077	4.700	0	0	0	0	0	0	0
306	6.385	9.077	4.700	0	0	0	0	0	0	0
307	12.770	9.077	4.700	0	0	0	0	0	0	0
308	19.000	9.077	4.700	0	0	0	0	0	0	0
309	25.010	9.077	4.700	0	0	0	0	0	0	0
310	31.020	9.077	4.700	0	0	0	0	0	0	0
311	37.030	9.077	4.700	0	0	0	0	0	0	0
312	43.040	9.077	4.700	0	0	0	0	0	0	0
313	0.000	9.225	4.726	0	0	0	0	0	0	0
314	6.385	9.225	4.726	0	0	0	0	0	0	0
315	12.770	9.225	4.726	0	0	0	0	0	0	0
316	19.000	9.225	4.726	0	0	0	0	0	0	0
317	25.010	9.225	4.726	0	0	0	0	0	0	0
318	31.020	9.225	4.726	0	0	0	0	0	0	0
319	37.030	9.225	4.726	0	0	0	0	0	0	0
320	43.040	9.225	4.726	0	0	0	0	0	0	0

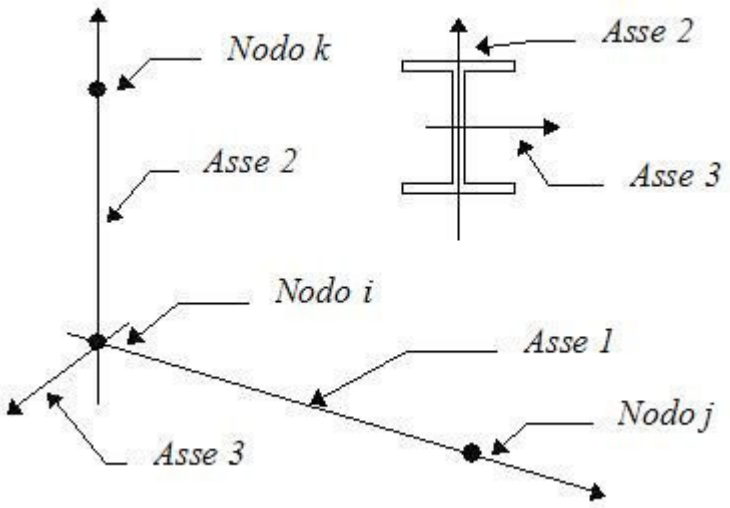


Elementi tipo biella (truss)

Convenzioni adottate

Nel seguito viene riportato per ogni elemento:

- Il nodo iniziale **i**;
- Il nodo finale **j**;
- Il nodo **k** che definisce l'orientamento nello spazio della terna riferimento locale dell'elemento.



- Il valore di $\mathbf{S}_0$ ovvero l'azione assiale cui si suppone soggetto l'elemento.
- Il tipo di materiale di cui è costituito l'elemento.
- Il tipo di sezione che ne definisce le caratteristiche inerziali.
- La lunghezza.

Va rilevato che:

- Il valore di $\mathbf{S}_0$ interviene (se diverso da zero) esclusivamente nella definizione della matrice di rigidezza dell'elemento (secondo la nota formulazione della matrice di rigidezza geometrica $\mathbf{K}_G$) e non fornisce alcun contributo all'equilibrio globale dei nodi terminali dell'elemento.
- Il correlativo carico viceversa può, a discrezione dell'operatore, intervenire nell'equilibrio strutturale secondo i coefficienti di interazione specificati nelle combinazioni di carico.

Caratteristiche dei Materiali:

Tipo	Modulo Elastico [MPa]	ν	alfa [1/°C]	Peso Specifico [kN/m³]	Commento
1	35220.0	0.330	0.000012	25.00	C25/30
2	210000.0	0.330	0.000012	78.50	S275
3	210000.0	0.330	0.000012	78.50	S355

Sezioni Impiegate:

Sezione	Materiale	Tipo di Sezione	Parametri Dimensionali Commenti
1	3	Tondini ø16	CONTROVENTI
10	3	Tondini ø16	TIRANTI

Caratteristiche Inerziali:

Sezione	Materiale	Area [mm²]	Jt [mm^4]	J2 [mm^4]	J3 [mm^4]	J23 [mm^4]	Xx	Xy
1	3	201	6400	3200	3200	0	4.0	4.0
10	3	201	6400	3200	3200	0	4.0	4.0

Dal Nodo	Al Nodo	Nodo K	So [kN]	Materiale	Sezione	Lunghezza [m]
56	116	10190	0.00	3	1	3.570
131	135	10008	0.00	3	1	6.968
128	132	10009	0.00	3	1	6.968
128	138	10007	0.00	3	1	6.968
125	135	10008	0.00	3	1	6.968
280	81	10009	0.00	3	10	1.966
272	80	10010	0.00	3	10	1.966
110	269	10015	0.00	3	1	9.967
113	272	10012	0.00	3	1	9.967
115	57	10189	0.00	3	1	3.570
274	117	10008	0.00	3	1	10.197
273	118	10009	0.00	3	1	10.197
277	120	10005	0.00	3	1	9.967
276	121	10006	0.00	3	1	9.967
279	124	10003	0.00	3	1	9.967

280	123	10002	0.00	3	1	9.967
108	265	10010	0.00	3	1	10.197
107	266	10018	0.00	3	1	10.197
111	268	10014	0.00	3	1	9.967
114	271	10011	0.00	3	1	9.967

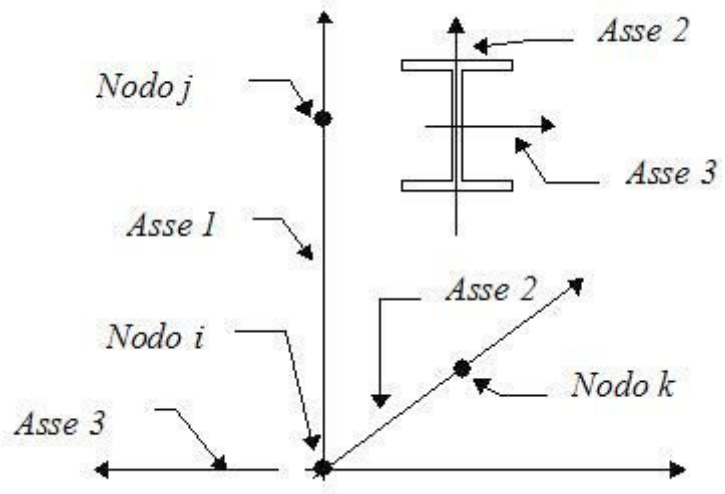
Elementi tipo pilastro

Convenzioni adottate

Ogni elemento tipo pilastro viene identificato da:

- Il nodo iniziale **i**;
- Il nodo finale **j**;
- Il nodo **k** che definisce l'orientamento nello spazio della terna riferimento locale dell'elemento.

La terna di riferimento locale del pilastro risulta quindi essere cosi disposta:



Sistema di riferimento locale

Vengono riportati i valori di efficacia dei vincoli flessionali alle estremità dell'elemento (variabili fra lo **0%** e il **100%**), nei due piani **1-2** e **1-3** del pilastro in corrispondenza dei nodi, dando quindi la possibilità di considerare aste non perfettamente incastrate alle estremità (coefficienti **Vi12 - Vj12 - Vi13 - Vj13**).
In generale, se non diversamente disposto, l'asse 2 coincide, per i pilastri, con l'asse **y** globale e pertanto la disposizione della sezione coincide con quella che si avrebbe in una vista in pianta.

Caratteristiche dei Materiali:

Tipo	Modulo Elastico [MPa]	ν	alfa [1/°C]	Peso Specifico [kN/m^3]	Commento
1	35220.0	0.330	0.000012	25.00	C25/30
2	210000.0	0.330	0.000012	78.50	S275
3	210000.0	0.330	0.000012	78.50	S355

Sezioni Impiegate:

Sezione	Materiale	Tipo di Sezione	Parametri Dimensionali Commenti

Sezione	Materiale	Tipo di Sezione	Parametri Dimensionali Commenti
1	2	HEB 180	COLONNE
2	2	_||_ Equal Flanges 2-50x5/10	MONTANTE CAPRIATA
3	2	Tubi Quadri 100x5.0	LINK CAPRIATA
4	2	HEB 200	COLONNE AUDITORIUM

Caratteristiche Inerziali:

Sezione	Materiale	Area [mm^2]	Jt [mm^4]	J2 [mm^4]	J3 [mm^4]	J23 [mm^4]	Xx	Xy
1	2	6533	421646	38351529	13629395	5	4.1	1.4
2	2	961	7917	219104	566985	0	2.1	1.2
3	2	1790	4385520	2595673	2595673	0	1.8	1.8
4	2	7820	592811	57033380	20035453	-5	4.1	1.4

Dal Nodo	Al Nodo	Nodo k	Luce [m]	Materiale	Sezione	Fixity factors								Rigid-end [m]	
						V_{i12}	V_{j12}	V_{i13}	V_{j13}	N_i	N_j	T_i	T_j	d_{ri}	d_{rj}
1	107	10181	3.100	2	4	100	0	100	100	100	100	100	100	0.000	0.000
2	125	10183	3.180	2	4	100	100	100	100	100	100	100	100	0.000	0.000
3	132	10182	3.180	2	4	100	100	100	100	100	100	100	100	0.000	0.000
4	117	10181	3.100	2	4	100	0	100	100	100	100	100	100	0.000	0.000
14	108	10180	3.100	2	4	100	0	100	100	100	100	100	100	0.000	0.000
15	109	10179	3.100	2	4	100	0	100	100	100	100	100	100	0.000	0.000
16	110	10178	3.100	2	1	100	0	100	100	100	100	100	100	0.000	0.000
17	111	10177	3.100	2	1	100	0	100	100	100	100	100	100	0.000	0.000
18	112	10176	3.100	2	1	100	0	100	100	100	100	100	100	0.000	0.000
19	113	10175	3.100	2	1	100	0	100	100	100	100	100	100	0.000	0.000
20	114	10174	3.100	2	1	100	0	100	100	100	100	100	100	0.000	0.000
23	131	10183	3.180	2	4	100	100	100	100	100	100	100	100	0.000	0.000
24	268	10178	4.480	2	1	100	100	100	0	100	100	100	100	0.000	0.000
25	269	10177	4.480	2	1	100	100	100	0	100	100	100	100	0.000	0.000
26	270	10176	4.480	2	1	100	100	100	0	100	100	100	100	0.000	0.000
27	271	10175	4.480	2	1	100	100	100	0	100	100	100	100	0.000	0.000
31	138	10182	3.180	2	4	100	100	100	100	100	100	100	100	0.000	0.000
32	276	10178	4.480	2	1	100	100	100	0	100	100	100	100	0.000	0.000
33	277	10177	4.480	2	1	100	100	100	0	100	100	100	100	0.000	0.000
34	278	10176	4.480	2	1	100	100	100	0	100	100	100	100	0.000	0.000
35	279	10175	4.480	2	1	100	100	100	0	100	100	100	100	0.000	0.000
39	118	10180	3.100	2	4	100	0	100	100	100	100	100	100	0.000	0.000
40	119	10179	3.100	2	4	100	0	100	100	100	100	100	100	0.000	0.000
41	120	10178	3.100	2	1	100	0	100	100	100	100	100	100	0.000	0.000

42	121	10177	3.100	2	1	100	0	100	100	100	100	100	100	0.000	0.000
43	122	10176	3.100	2	1	100	0	100	100	100	100	100	100	0.000	0.000
44	123	10175	3.100	2	1	100	0	100	100	100	100	100	100	0.000	0.000
45	124	10174	3.100	2	1	100	0	100	100	100	100	100	100	0.000	0.000
28	115	10174	3.100	2	1	100	100	100	100	100	100	100	100	0.000	0.000
115	272	10174	1.380	2	1	100	100	100	0	100	100	100	100	0.000	0.000
36	116	10174	3.100	2	1	100	100	100	100	100	100	100	100	0.000	0.000
116	280	10174	1.380	2	1	100	100	100	0	100	100	100	100	0.000	0.000
126	252	10010	1.150	2	2	0	0	0	0	100	100	100	100	0.000	0.000
127	253	10010	1.150	2	2	0	0	0	0	100	100	100	100	0.000	0.000
129	255	10010	1.150	2	2	0	0	0	0	100	100	100	100	0.000	0.000
130	256	10010	1.150	2	2	0	0	0	0	100	100	100	100	0.000	0.000
133	259	10009	1.150	2	2	0	0	0	0	100	100	100	100	0.000	0.000
134	260	10009	1.150	2	2	0	0	0	0	100	100	100	100	0.000	0.000
136	262	10009	1.150	2	2	0	0	0	0	100	100	100	100	0.000	0.000
137	263	10009	1.150	2	2	0	0	0	0	100	100	100	100	0.000	0.000
125	251	10183	1.150	2	4	100	100	100	100	100	100	100	100	0.000	0.000
251	265	10183	0.150	2	4	100	100	100	0	100	100	100	100	0.000	0.000
128	254	10010	1.150	2	2	0	0	0	0	100	100	100	100	0.000	0.000
254	266	10180	0.150	2	3	100	0	100	0	100	100	100	100	0.000	0.000
131	257	10183	1.150	2	4	100	100	100	100	100	100	100	100	0.000	0.000
257	267	10183	0.150	2	4	100	100	100	0	100	100	100	100	0.000	0.000
132	258	10182	1.150	2	4	100	100	100	100	100	100	100	100	0.000	0.000
258	273	10182	0.150	2	4	100	100	100	0	100	100	100	100	0.000	0.000
135	261	10009	1.150	2	2	0	0	0	0	100	100	100	100	0.000	0.000
261	274	10180	0.150	2	3	100	0	100	0	100	100	100	100	0.000	0.000
138	264	10182	1.150	2	4	100	100	100	100	100	100	100	100	0.000	0.000
264	275	10182	0.150	2	4	100	100	100	0	100	100	100	100	0.000	0.000

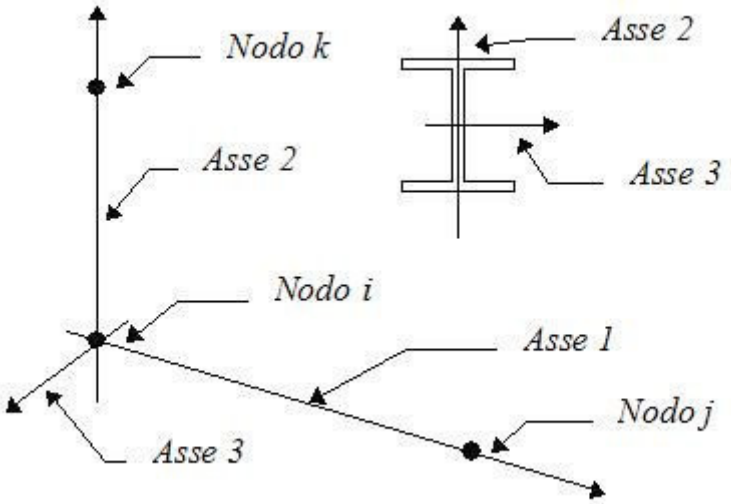
Elementi tipo trave

Convenzioni adottate

Ogni elemento tipo trave viene identificato da:

- Il nodo iniziale **i**;
- Il nodo finale **j**;
- Il nodo **k** che definisce l'orientamento nello spazio della terna riferimento locale dell'elemento.

La terna di riferimento locale della trave risulta essere così disposta:



Vengono riportati i valori di efficacia dei vincoli alle estreità dello elemento (variabili fra 0 e 100%), nei due piani **1-2** e **1-3** della trave in corrispondenza dei nodi, dando quindi la possibilità di considerare aste non perfettamente incastrate (coefficienti **Vi12, Vj12, Vi13, Vj13**).

Caratteristiche dei Materiali:

Tipo	Modulo Elastico [MPa]	ν	alfa [1/°C]	Peso Specifico [kN/m^3]	Commento
1	35220.0	0.330	0.000012	25.00	C25/30
2	210000.0	0.330	0.000012	78.50	S275
3	210000.0	0.330	0.000012	78.50	S355

Sezioni Impiegate:

Sezione	Materiale	Tipo di Sezione	Parametri Dimensionali Commenti
1	2	IPE 330	TRAVI
2	2	Tubi Ret V 90x180x4.0	ARCARECCI
3	2	Tubi Quadri 140x8.0	PUNTONE CAPRIATA
4	2	_||_ Equal Flanges 2-60x6/10	TIRANTE CAPRIATA
5	2	_||_ Equal Flanges 2-50x5/10	DIAGONALE CAPRIATA
6	2	TQ 50x3	COLLEGAMENTO CAPRIATE

Caratteristiche Inerziali:

Sezione	Materiale	Area [mm^2]	Jt [mm^4]	J2 [mm^4]	J3 [mm^4]	J23 [mm^4]	Xx	Xy
1	2	6272	281453	117919568	7883003	0	2.5	1.7
2	2	2012	7147547	8285797	2861676	0	1.5	2.8
3	2	3887	18588064	10666436	10666436	0	1.8	1.8
4	2	1382	16416	455510	1116337	0	2.1	1.3
5	2	961	7917	219104	566985	0	2.1	1.2
6	2	564	311469	207857	207857	0	2.0	2.0

Dal Nodo	Al Nodo	Nodo k	Luce [m]	Materiale	Sezione	Fixity factors								Rigid-end [m]	
						V_{i12}	V_{j12}	V_{i13}	V_{j13}	N_i	N_j	T_i	T_j	d_{ri}	d_{rj}
128	135	10008	2.790	2	6	0	0	0	0	100	100	100	100	0.000	0.000
85	81	10009	0.500	2	1	100	100	100	100	100	100	100	100	0.000	0.000
309	317	10014	0.150	2	1	100	0	100	100	100	100	100	100	0.000	0.000
293	301	10014	1.080	2	1	100	100	100	100	100	100	100	100	0.000	0.000
289	297	10181	1.080	2	1	100	100	100	100	100	100	100	100	0.000	0.000
273	289	10181	0.186	2	1	100	100	100	100	100	100	100	100	0.000	0.000
297	313	10181	0.150	2	1	100	100	100	100	100	100	100	100	0.000	0.000
277	293	10014	0.186	2	1	100	100	100	100	100	100	100	100	0.000	0.000
83	79	10185	0.500	2	1	100	100	100	100	100	100	100	100	0.000	0.000
104	84	10010	0.500	2	1	100	100	100	100	100	100	100	100	0.000	0.000
91	111	10014	0.508	2	1	100	100	100	100	100	100	100	100	0.000	0.000
239	269	10014	0.893	2	1	100	100	100	100	100	100	100	100	0.000	0.000
295	303	10012	1.080	2	1	100	100	100	100	100	100	100	100	0.000	0.000
279	295	10012	0.186	2	1	100	100	100	100	100	100	100	100	0.000	0.000
303	319	10012	0.150	2	1	100	100	100	100	100	100	100	100	0.000	0.000
146	162	10011	1.080	2	1	100	100	100	100	100	100	100	100	0.000	0.000
114	146	10011	0.578	2	1	100	100	100	100	100	100	100	100	0.000	0.000
312	320	10011	0.150	2	1	100	0	100	100	100	100	100	100	0.000	0.000
106	86	10019	0.500	2	1	100	100	100	100	100	100	100	100	0.000	0.000
133	258	10009	2.419	2	5	0	0	0	0	100	100	100	100	0.000	0.000
287	311	10012	1.080	2	1	100	100	100	100	100	100	100	100	0.000	0.000
234	250	10011	1.080	2	1	100	100	100	100	100	100	100	100	0.000	0.000
218	234	10011	1.080	2	1	100	100	100	100	100	100	100	100	0.000	0.000
165	181	10016	1.080	2	1	100	100	100	100	100	100	100	100	0.000	0.000
97	73	10179	0.850	2	1	100	100	100	100	100	100	100	100	0.000	0.000
73	61	10179	0.850	2	1	100	100	100	100	100	100	100	100	0.000	0.000
304	320	10011	0.150	2	1	100	100	100	100	100	100	100	100	0.000	0.000
296	304	10011	1.080	2	1	100	100	100	100	100	100	100	100	0.000	0.000
280	296	10011	0.186	2	1	100	100	100	100	100	100	100	100	0.000	0.000
102	124	10174	0.298	2	1	100	100	100	100	100	100	100	100	0.000	0.000
153	169	10012	1.080	2	1	100	100	100	100	100	100	100	100	0.000	0.000
249	279	10012	0.893	2	1	100	100	100	100	100	100	100	100	0.000	0.000
233	249	10012	1.080	2	1	100	100	100	100	100	100	100	100	0.000	0.000
123	153	10012	0.578	2	1	100	100	100	100	100	100	100	100	0.000	0.000
101	77	10175	0.850	2	1	100	100	100	100	100	100	100	100	0.000	0.000
172	188	10017	1.080	2	1	100	100	100	100	100	100	100	100	0.000	0.000
156	172	10017	1.080	2	1	100	100	100	100	100	100	100	100	0.000	0.000
140	156	10017	1.080	2	1	100	100	100	100	100	100	100	100	0.000	0.000
236	266	10017	0.893	2	1	100	100	100	100	100	100	100	100	0.000	0.000
159	175	10014	1.080	2	1	100	100	100	100	100	100	100	100	0.000	0.000
143	159	10014	1.080	2	1	100	100	100	100	100	100	100	100	0.000	0.000
111	143	10014	0.578	2	1	100	100	100	100	100	100	100	100	0.000	0.000
300	316	10015	0.150	2	1	100	100	100	100	100	100	100	100	0.000	0.000

308	316	10015	0.150	2	1	100	0	100	100	100	100	100	100	0.000	0.000
292	300	10015	1.080	2	1	100	100	100	100	100	100	100	100	0.000	0.000
276	292	10015	0.186	2	1	100	100	100	100	100	100	100	100	0.000	0.000
238	268	10015	0.893	2	1	100	100	100	100	100	100	100	100	0.000	0.000
222	238	10015	1.080	2	1	100	100	100	100	100	100	100	100	0.000	0.000
206	222	10015	1.080	2	1	100	100	100	100	100	100	100	100	0.000	0.000
190	206	10015	1.080	2	1	100	100	100	100	100	100	100	100	0.000	0.000
174	190	10015	1.080	2	1	100	100	100	100	100	100	100	100	0.000	0.000
158	174	10015	1.080	2	1	100	100	100	100	100	100	100	100	0.000	0.000
284	308	10015	1.080	2	1	100	100	100	100	100	100	100	100	0.000	0.000
268	284	10015	0.187	2	1	100	100	100	100	100	100	100	100	0.000	0.000
187	203	10018	1.080	2	1	100	100	100	100	100	100	100	100	0.000	0.000
171	187	10018	1.080	2	1	100	100	100	100	100	100	100	100	0.000	0.000
107	139	10018	0.578	2	1	100	100	100	100	100	100	100	100	0.000	0.000
86	82	10019	0.500	2	1	100	100	100	100	100	100	100	100	0.000	0.000
102	78	10174	0.850	2	1	100	100	100	100	100	100	100	100	0.000	0.000
78	66	10174	0.850	2	1	100	100	100	100	100	100	100	100	0.000	0.000
114	103	10011	0.200	2	1	100	100	100	100	100	100	100	100	0.000	0.000
115	104	10010	0.200	2	1	100	100	100	100	100	100	100	100	0.000	0.000
116	105	10009	0.200	2	1	100	100	100	100	100	100	100	100	0.000	0.000
124	106	10019	0.200	2	1	100	100	100	100	100	100	100	100	0.000	0.000
103	83	10171	0.500	2	1	100	100	100	100	100	100	100	100	0.000	0.000
105	85	10009	0.500	2	1	100	100	100	100	100	100	100	100	0.000	0.000
79	67	10185	0.514	2	1	100	100	100	100	100	100	100	100	0.000	0.000
217	233	10012	1.080	2	1	100	100	100	100	100	100	100	100	0.000	0.000
201	217	10012	1.080	2	1	100	100	100	100	100	100	100	100	0.000	0.000
185	201	10012	1.080	2	1	100	100	100	100	100	100	100	100	0.000	0.000
169	185	10012	1.080	2	1	100	100	100	100	100	100	100	100	0.000	0.000
101	123	10175	0.298	2	1	100	100	100	100	100	100	100	100	0.000	0.000
271	287	10012	0.187	2	1	100	100	100	100	100	100	100	100	0.000	0.000
67	55	10185	0.514	2	1	100	100	100	100	100	100	100	100	0.000	0.000
81	69	10009	0.514	2	1	100	100	100	100	100	100	100	100	0.000	0.000
69	57	10009	0.514	2	1	100	100	100	100	100	100	100	100	0.000	0.000
142	158	10015	1.080	2	1	100	100	100	100	100	100	100	100	0.000	0.000
110	142	10015	0.578	2	1	100	100	100	100	100	100	100	100	0.000	0.000
90	110	10015	0.508	2	1	100	100	100	100	100	100	100	100	0.000	0.000
248	278	10013	0.893	2	1	100	100	100	100	100	100	100	100	0.000	0.000
232	248	10013	1.080	2	1	100	100	100	100	100	100	100	100	0.000	0.000
216	232	10013	1.080	2	1	100	100	100	100	100	100	100	100	0.000	0.000
134	259	10009	2.419	2	5	0	0	0	0	100	100	100	100	0.000	0.000
135	260	10009	2.419	2	5	0	0	0	0	100	100	100	100	0.000	0.000
135	262	10009	2.419	2	5	0	0	0	0	100	100	100	100	0.000	0.000
136	263	10009	2.419	2	5	0	0	0	0	100	100	100	100	0.000	0.000
137	264	10009	2.419	2	5	0	0	0	0	100	100	100	100	0.000	0.000
130	257	10010	2.419	2	5	0	0	0	0	100	100	100	100	0.000	0.000
129	256	10010	2.419	2	5	0	0	0	0	100	100	100	100	0.000	0.000
124	154	10011	0.578	2	1	100	100	100	100	100	100	100	100	0.000	0.000
305	313	10018	0.150	2	1	100	0	100	100	100	100	100	100	0.000	0.000
281	305	10018	1.080	2	1	100	100	100	100	100	100	100	100	0.000	0.000
265	281	10018	0.187	2	1	100	100	100	100	100	100	100	100	0.000	0.000

167	183	10014	1.080	2	1	100	100	100	100	100	100	100	100	0.000	0.000
183	199	10014	1.080	2	1	100	100	100	100	100	100	100	100	0.000	0.000
199	215	10014	1.080	2	1	100	100	100	100	100	100	100	100	0.000	0.000
215	231	10014	1.080	2	1	100	100	100	100	100	100	100	100	0.000	0.000
231	247	10014	1.080	2	1	100	100	100	100	100	100	100	100	0.000	0.000
121	151	10014	0.578	2	1	100	100	100	100	100	100	100	100	0.000	0.000
99	121	10177	0.298	2	1	100	100	100	100	100	100	100	100	0.000	0.000
92	112	10013	0.508	2	1	100	100	100	100	100	100	100	100	0.000	0.000
240	270	10013	0.893	2	1	100	100	100	100	100	100	100	100	0.000	0.000
224	240	10013	1.080	2	1	100	100	100	100	100	100	100	100	0.000	0.000
208	224	10013	1.080	2	1	100	100	100	100	100	100	100	100	0.000	0.000
192	208	10013	1.080	2	1	100	100	100	100	100	100	100	100	0.000	0.000
176	192	10013	1.080	2	1	100	100	100	100	100	100	100	100	0.000	0.000
160	176	10013	1.080	2	1	100	100	100	100	100	100	100	100	0.000	0.000
144	160	10013	1.080	2	1	100	100	100	100	100	100	100	100	0.000	0.000
95	71	10020	0.850	2	1	100	100	100	100	100	100	100	100	0.000	0.000
71	59	10020	0.850	2	1	100	100	100	100	100	100	100	100	0.000	0.000
112	144	10013	0.578	2	1	100	100	100	100	100	100	100	100	0.000	0.000
98	120	10178	0.298	2	1	100	100	100	100	100	100	100	100	0.000	0.000
182	198	10015	1.080	2	1	100	100	100	100	100	100	100	100	0.000	0.000
166	182	10015	1.080	2	1	100	100	100	100	100	100	100	100	0.000	0.000
150	166	10015	1.080	2	1	100	100	100	100	100	100	100	100	0.000	0.000
246	276	10015	0.893	2	1	100	100	100	100	100	100	100	100	0.000	0.000
230	246	10015	1.080	2	1	100	100	100	100	100	100	100	100	0.000	0.000
139	155	10018	1.080	2	1	100	100	100	100	100	100	100	100	0.000	0.000
227	243	10018	1.080	2	1	100	100	100	100	100	100	100	100	0.000	0.000
194	210	10011	1.080	2	1	100	100	100	100	100	100	100	100	0.000	0.000
178	194	10011	1.080	2	1	100	100	100	100	100	100	100	100	0.000	0.000
162	178	10011	1.080	2	1	100	100	100	100	100	100	100	100	0.000	0.000
80	68	10010	0.514	2	1	100	100	100	100	100	100	100	100	0.000	0.000
68	56	10010	0.514	2	1	100	100	100	100	100	100	100	100	0.000	0.000
84	80	10010	0.500	2	1	100	100	100	100	100	100	100	100	0.000	0.000
82	70	10019	0.514	2	1	100	100	100	100	100	100	100	100	0.000	0.000
70	58	10019	0.514	2	1	100	100	100	100	100	100	100	100	0.000	0.000
149	165	10016	1.080	2	1	100	100	100	100	100	100	100	100	0.000	0.000
220	236	10017	1.080	2	1	100	100	100	100	100	100	100	100	0.000	0.000
204	220	10017	1.080	2	1	100	100	100	100	100	100	100	100	0.000	0.000
188	204	10017	1.080	2	1	100	100	100	100	100	100	100	100	0.000	0.000
108	140	10017	0.578	2	1	100	100	100	100	100	100	100	100	0.000	0.000
88	108	10017	0.508	2	1	100	100	100	100	100	100	100	100	0.000	0.000
282	306	10017	1.080	2	1	100	100	100	100	100	100	100	100	0.000	0.000
266	282	10017	0.187	2	1	100	100	100	100	100	100	100	100	0.000	0.000
306	314	10017	0.150	2	1	100	0	100	100	100	100	100	100	0.000	0.000
87	107	10018	0.508	2	1	100	100	100	100	100	100	100	100	0.000	0.000
155	171	10018	1.080	2	1	100	100	100	100	100	100	100	100	0.000	0.000
200	216	10013	1.080	2	1	100	100	100	100	100	100	100	100	0.000	0.000
184	200	10013	1.080	2	1	100	100	100	100	100	100	100	100	0.000	0.000
168	184	10013	1.080	2	1	100	100	100	100	100	100	100	100	0.000	0.000
152	168	10013	1.080	2	1	100	100	100	100	100	100	100	100	0.000	0.000
122	152	10013	0.578	2	1	100	100	100	100	100	100	100	100	0.000	0.000

100	122	10176	0.298	2	1	100	100	100	100	100	100	100	100	0.000	0.000
294	302	10013	1.080	2	1	100	100	100	100	100	100	100	100	0.000	0.000
278	294	10013	0.186	2	1	100	100	100	100	100	100	100	100	0.000	0.000
302	318	10013	0.150	2	1	100	100	100	100	100	100	100	100	0.000	0.000
186	202	10011	1.080	2	1	100	100	100	100	100	100	100	100	0.000	0.000
170	186	10011	1.080	2	1	100	100	100	100	100	100	100	100	0.000	0.000
247	277	10014	0.893	2	1	100	100	100	100	100	100	100	100	0.000	0.000
151	167	10014	1.080	2	1	100	100	100	100	100	100	100	100	0.000	0.000
154	170	10011	1.080	2	1	100	100	100	100	100	100	100	100	0.000	0.000
202	218	10011	1.080	2	1	100	100	100	100	100	100	100	100	0.000	0.000
250	280	10011	0.893	2	1	100	100	100	100	100	100	100	100	0.000	0.000
286	310	10013	1.080	2	1	100	100	100	100	100	100	100	100	0.000	0.000
270	286	10013	0.187	2	1	100	100	100	100	100	100	100	100	0.000	0.000
310	318	10013	0.150	2	1	100	0	100	100	100	100	100	100	0.000	0.000
120	150	10015	0.578	2	1	100	100	100	100	100	100	100	100	0.000	0.000
214	230	10015	1.080	2	1	100	100	100	100	100	100	100	100	0.000	0.000
225	241	10012	1.080	2	1	100	100	100	100	100	100	100	100	0.000	0.000
209	225	10012	1.080	2	1	100	100	100	100	100	100	100	100	0.000	0.000
193	209	10012	1.080	2	1	100	100	100	100	100	100	100	100	0.000	0.000
177	193	10012	1.080	2	1	100	100	100	100	100	100	100	100	0.000	0.000
161	177	10012	1.080	2	1	100	100	100	100	100	100	100	100	0.000	0.000
145	161	10012	1.080	2	1	100	100	100	100	100	100	100	100	0.000	0.000
113	145	10012	0.578	2	1	100	100	100	100	100	100	100	100	0.000	0.000
299	315	10016	0.150	2	1	100	100	100	100	100	100	100	100	0.000	0.000
307	315	10016	0.150	2	1	100	0	100	100	100	100	100	100	0.000	0.000
298	314	10017	0.150	2	1	100	100	100	100	100	100	100	100	0.000	0.000
245	275	10016	0.893	2	1	100	100	100	100	100	100	100	100	0.000	0.000
229	245	10016	1.080	2	1	100	100	100	100	100	100	100	100	0.000	0.000
213	229	10016	1.080	2	1	100	100	100	100	100	100	100	100	0.000	0.000
197	213	10016	1.080	2	1	100	100	100	100	100	100	100	100	0.000	0.000
181	197	10016	1.080	2	1	100	100	100	100	100	100	100	100	0.000	0.000
223	239	10014	1.080	2	1	100	100	100	100	100	100	100	100	0.000	0.000
207	223	10014	1.080	2	1	100	100	100	100	100	100	100	100	0.000	0.000
191	207	10014	1.080	2	1	100	100	100	100	100	100	100	100	0.000	0.000
175	191	10014	1.080	2	1	100	100	100	100	100	100	100	100	0.000	0.000
301	317	10014	0.150	2	1	100	100	100	100	100	100	100	100	0.000	0.000
285	309	10014	1.080	2	1	100	100	100	100	100	100	100	100	0.000	0.000
269	285	10014	0.187	2	1	100	100	100	100	100	100	100	100	0.000	0.000
219	235	10018	1.080	2	1	100	100	100	100	100	100	100	100	0.000	0.000
235	265	10018	0.893	2	1	100	100	100	100	100	100	100	100	0.000	0.000
198	214	10015	1.080	2	1	100	100	100	100	100	100	100	100	0.000	0.000
288	312	10011	1.080	2	1	100	100	100	100	100	100	100	100	0.000	0.000
272	288	10011	0.187	2	1	100	100	100	100	100	100	100	100	0.000	0.000
94	114	10011	0.508	2	1	100	100	100	100	100	100	100	100	0.000	0.000
242	272	10011	0.893	2	1	100	100	100	100	100	100	100	100	0.000	0.000
226	242	10011	1.080	2	1	100	100	100	100	100	100	100	100	0.000	0.000
210	226	10011	1.080	2	1	100	100	100	100	100	100	100	100	0.000	0.000
93	113	10012	0.508	2	1	100	100	100	100	100	100	100	100	0.000	0.000
241	271	10012	0.893	2	1	100	100	100	100	100	100	100	100	0.000	0.000
128	255	10010	2.419	2	5	0	0	0	0	100	100	100	100	0.000	0.000

253	128	10010	2.419	2	5	0	0	0	0	100	100	100	100	0.000	0.000
252	127	10010	2.419	2	5	0	0	0	0	100	100	100	100	0.000	0.000
251	126	10010	2.419	2	5	0	0	0	0	100	100	100	100	0.000	0.000
96	72	10180	0.850	2	1	100	100	100	100	100	100	100	100	0.000	0.000
72	60	10180	0.850	2	1	100	100	100	100	100	100	100	100	0.000	0.000
211	227	10018	1.080	2	1	100	100	100	100	100	100	100	100	0.000	0.000
195	211	10018	1.080	2	1	100	100	100	100	100	100	100	100	0.000	0.000
179	195	10018	1.080	2	1	100	100	100	100	100	100	100	100	0.000	0.000
163	179	10018	1.080	2	1	100	100	100	100	100	100	100	100	0.000	0.000
147	163	10018	1.080	2	1	100	100	100	100	100	100	100	100	0.000	0.000
117	147	10018	0.578	2	1	100	100	100	100	100	100	100	100	0.000	0.000
95	117	10009	0.298	2	1	100	100	100	100	100	100	100	100	0.000	0.000
98	74	10178	0.850	2	1	100	100	100	100	100	100	100	100	0.000	0.000
74	62	10178	0.850	2	1	100	100	100	100	100	100	100	100	0.000	0.000
99	75	10177	0.850	2	1	100	100	100	100	100	100	100	100	0.000	0.000
203	219	10018	1.080	2	1	100	100	100	100	100	100	100	100	0.000	0.000
77	65	10175	0.850	2	1	100	100	100	100	100	100	100	100	0.000	0.000
311	319	10012	0.150	2	1	100	0	100	100	100	100	100	100	0.000	0.000
75	63	10177	0.850	2	1	100	100	100	100	100	100	100	100	0.000	0.000
100	76	10176	0.850	2	1	100	100	100	100	100	100	100	100	0.000	0.000
76	64	10176	0.850	2	1	100	100	100	100	100	100	100	100	0.000	0.000
119	149	10016	0.578	2	1	100	100	100	100	100	100	100	100	0.000	0.000
97	119	10179	0.298	2	1	100	100	100	100	100	100	100	100	0.000	0.000
291	299	10016	1.080	2	1	100	100	100	100	100	100	100	100	0.000	0.000
275	291	10016	0.186	2	1	100	100	100	100	100	100	100	100	0.000	0.000
283	307	10016	1.080	2	1	100	100	100	100	100	100	100	100	0.000	0.000
267	283	10016	0.187	2	1	100	100	100	100	100	100	100	100	0.000	0.000
89	109	10016	0.508	2	1	100	100	100	100	100	100	100	100	0.000	0.000
237	267	10016	0.893	2	1	100	100	100	100	100	100	100	100	0.000	0.000
221	237	10016	1.080	2	1	100	100	100	100	100	100	100	100	0.000	0.000
205	221	10016	1.080	2	1	100	100	100	100	100	100	100	100	0.000	0.000
189	205	10016	1.080	2	1	100	100	100	100	100	100	100	100	0.000	0.000
173	189	10016	1.080	2	1	100	100	100	100	100	100	100	100	0.000	0.000
157	173	10016	1.080	2	1	100	100	100	100	100	100	100	100	0.000	0.000
141	157	10016	1.080	2	1	100	100	100	100	100	100	100	100	0.000	0.000
109	141	10016	0.578	2	1	100	100	100	100	100	100	100	100	0.000	0.000
290	298	10017	1.080	2	1	100	100	100	100	100	100	100	100	0.000	0.000
274	290	10017	0.186	2	1	100	100	100	100	100	100	100	100	0.000	0.000
96	118	10180	0.298	2	1	100	100	100	100	100	100	100	100	0.000	0.000
244	274	10017	0.893	2	1	100	100	100	100	100	100	100	100	0.000	0.000
228	244	10017	1.080	2	1	100	100	100	100	100	100	100	100	0.000	0.000
212	228	10017	1.080	2	1	100	100	100	100	100	100	100	100	0.000	0.000
196	212	10017	1.080	2	1	100	100	100	100	100	100	100	100	0.000	0.000
180	196	10017	1.080	2	1	100	100	100	100	100	100	100	100	0.000	0.000
164	180	10017	1.080	2	1	100	100	100	100	100	100	100	100	0.000	0.000
148	164	10017	1.080	2	1	100	100	100	100	100	100	100	100	0.000	0.000
118	148	10017	0.578	2	1	100	100	100	100	100	100	100	100	0.000	0.000
243	273	10018	0.893	2	1	100	100	100	100	100	100	100	100	0.000	0.000
59	60	10160	6.385	2	2	0	0	100	100	100	100	100	100	0.000	0.000
60	61	10161	6.385	2	2	0	0	100	100	100	100	100	100	0.000	0.000

61	62	10162	6.230	2	2	0	0	100	100	100	100	100	100	0.000	0.000
62	63	10163	6.010	2	2	0	0	100	100	100	100	100	100	0.000	0.000
63	64	10164	6.010	2	2	0	0	100	100	100	100	100	100	0.000	0.000
64	65	10165	6.010	2	2	0	0	100	100	100	100	100	100	0.000	0.000
65	66	10166	6.010	2	2	0	0	100	100	100	100	100	100	0.000	0.000
71	72	10153	6.385	2	2	0	0	100	100	100	100	100	100	0.000	0.000
72	73	10154	6.385	2	2	0	0	100	100	100	100	100	100	0.000	0.000
73	74	10155	6.230	2	2	0	0	100	100	100	100	100	100	0.000	0.000
74	75	10156	6.010	2	2	0	0	100	100	100	100	100	100	0.000	0.000
75	76	10157	6.010	2	2	0	0	100	100	100	100	100	100	0.000	0.000
76	77	10158	6.010	2	2	0	0	100	100	100	100	100	100	0.000	0.000
77	78	10159	6.010	2	2	0	0	100	100	100	100	100	100	0.000	0.000
87	88	10081	6.385	2	2	0	0	100	100	100	100	100	100	0.000	0.000
88	89	10082	6.385	2	2	0	0	100	100	100	100	100	100	0.000	0.000
89	90	10083	6.230	2	2	0	0	100	100	100	100	100	100	0.000	0.000
90	91	10084	6.010	2	2	0	0	100	100	100	100	100	100	0.000	0.000
91	92	10085	6.010	2	2	0	0	100	100	100	100	100	100	0.000	0.000
92	93	10086	6.010	2	2	0	0	100	100	100	100	100	100	0.000	0.000
93	94	10087	6.010	2	2	0	0	100	100	100	100	100	100	0.000	0.000
95	96	10147	6.385	2	2	0	0	100	100	100	100	100	100	0.000	0.000
96	97	10148	6.385	2	2	0	0	100	100	100	100	100	100	0.000	0.000
97	98	10148	6.230	2	2	0	0	100	100	100	100	100	100	0.000	0.000
98	99	10149	6.010	2	2	0	0	100	100	100	100	100	100	0.000	0.000
99	100	10150	6.010	2	2	0	0	100	100	100	100	100	100	0.000	0.000
100	101	10151	6.010	2	2	0	0	100	100	100	100	100	100	0.000	0.000
101	102	10152	6.010	2	2	0	0	100	100	100	100	100	100	0.000	0.000
125	126	10010	2.128	2	4	0	100	0	100	0	100	100	100	0.000	0.000
126	127	10010	2.128	2	4	100	100	100	100	100	100	100	100	0.000	0.000
127	128	10010	2.128	2	4	100	100	100	100	100	100	100	100	0.000	0.000
128	129	10010	2.128	2	4	100	100	100	100	100	100	100	100	0.000	0.000
129	130	10010	2.128	2	4	100	100	100	100	100	100	100	100	0.000	0.000
130	131	10010	2.128	2	4	100	0	100	0	100	0	100	100	0.000	0.000
132	133	10009	2.128	2	4	0	100	0	100	0	100	100	100	0.000	0.000
133	134	10009	2.128	2	4	100	100	100	100	100	100	100	100	0.000	0.000
134	135	10009	2.128	2	4	100	100	100	100	100	100	100	100	0.000	0.000
135	136	10009	2.128	2	4	100	100	100	100	100	100	100	100	0.000	0.000
136	137	10009	2.128	2	4	100	100	100	100	100	100	100	100	0.000	0.000
137	138	10009	2.128	2	4	100	0	100	0	100	0	100	100	0.000	0.000
139	140	10074	6.385	2	2	0	0	100	100	100	100	100	100	0.000	0.000
140	141	10075	6.385	2	2	0	0	100	100	100	100	100	100	0.000	0.000
141	142	10076	6.230	2	2	0	0	100	100	100	100	100	100	0.000	0.000
142	143	10077	6.010	2	2	0	0	100	100	100	100	100	100	0.000	0.000
143	144	10078	6.010	2	2	0	0	100	100	100	100	100	100	0.000	0.000
144	145	10079	6.010	2	2	0	0	100	100	100	100	100	100	0.000	0.000
145	146	10080	6.010	2	2	0	0	100	100	100	100	100	100	0.000	0.000
147	148	10140	6.385	2	2	0	0	100	100	100	100	100	100	0.000	0.000
148	149	10141	6.385	2	2	0	0	100	100	100	100	100	100	0.000	0.000
149	150	10142	6.230	2	2	0	0	100	100	100	100	100	100	0.000	0.000
150	151	10143	6.010	2	2	0	0	100	100	100	100	100	100	0.000	0.000
151	152	10144	6.010	2	2	0	0	100	100	100	100	100	100	0.000	0.000

152	153	10145	6.010	2	2	0	0	100	100	100	100	100	100	0.000	0.000
153	154	10146	6.010	2	2	0	0	100	100	100	100	100	100	0.000	0.000
155	156	10067	6.385	2	2	0	0	100	100	100	100	100	100	0.000	0.000
156	157	10068	6.385	2	2	0	0	100	100	100	100	100	100	0.000	0.000
157	158	10069	6.230	2	2	0	0	100	100	100	100	100	100	0.000	0.000
158	159	10070	6.010	2	2	0	0	100	100	100	100	100	100	0.000	0.000
159	160	10071	6.010	2	2	0	0	100	100	100	100	100	100	0.000	0.000
160	161	10072	6.010	2	2	0	0	100	100	100	100	100	100	0.000	0.000
161	162	10073	6.010	2	2	0	0	100	100	100	100	100	100	0.000	0.000
163	164	10133	6.385	2	2	0	0	100	100	100	100	100	100	0.000	0.000
164	165	10134	6.385	2	2	0	0	100	100	100	100	100	100	0.000	0.000
165	166	10135	6.230	2	2	0	0	100	100	100	100	100	100	0.000	0.000
166	167	10136	6.010	2	2	0	0	100	100	100	100	100	100	0.000	0.000
167	168	10137	6.010	2	2	0	0	100	100	100	100	100	100	0.000	0.000
168	169	10138	6.010	2	2	0	0	100	100	100	100	100	100	0.000	0.000
169	170	10139	6.010	2	2	0	0	100	100	100	100	100	100	0.000	0.000
171	172	10060	6.385	2	2	0	0	100	100	100	100	100	100	0.000	0.000
172	173	10061	6.385	2	2	0	0	100	100	100	100	100	100	0.000	0.000
173	174	10062	6.230	2	2	0	0	100	100	100	100	100	100	0.000	0.000
174	175	10063	6.010	2	2	0	0	100	100	100	100	100	100	0.000	0.000
175	176	10064	6.010	2	2	0	0	100	100	100	100	100	100	0.000	0.000
176	177	10065	6.010	2	2	0	0	100	100	100	100	100	100	0.000	0.000
177	178	10066	6.010	2	2	0	0	100	100	100	100	100	100	0.000	0.000
179	180	10129	6.385	2	2	0	0	100	100	100	100	100	100	0.000	0.000
180	181	10130	6.385	2	2	0	0	100	100	100	100	100	100	0.000	0.000
181	182	10130	6.230	2	2	0	0	100	100	100	100	100	100	0.000	0.000
182	183	10130	6.010	2	2	0	0	100	100	100	100	100	100	0.000	0.000
183	184	10130	6.010	2	2	0	0	100	100	100	100	100	100	0.000	0.000
184	185	10131	6.010	2	2	0	0	100	100	100	100	100	100	0.000	0.000
185	186	10132	6.010	2	2	0	0	100	100	100	100	100	100	0.000	0.000
187	188	10054	6.385	2	2	0	0	100	100	100	100	100	100	0.000	0.000
188	189	10054	6.385	2	2	0	0	100	100	100	100	100	100	0.000	0.000
189	190	10055	6.230	2	2	0	0	100	100	100	100	100	100	0.000	0.000
190	191	10056	6.010	2	2	0	0	100	100	100	100	100	100	0.000	0.000
191	192	10057	6.010	2	2	0	0	100	100	100	100	100	100	0.000	0.000
192	193	10058	6.010	2	2	0	0	100	100	100	100	100	100	0.000	0.000
193	194	10059	6.010	2	2	0	0	100	100	100	100	100	100	0.000	0.000
195	196	10122	6.385	2	2	0	0	100	100	100	100	100	100	0.000	0.000
196	197	10123	6.385	2	2	0	0	100	100	100	100	100	100	0.000	0.000
197	198	10124	6.230	2	2	0	0	100	100	100	100	100	100	0.000	0.000
198	199	10125	6.010	2	2	0	0	100	100	100	100	100	100	0.000	0.000
199	200	10126	6.010	2	2	0	0	100	100	100	100	100	100	0.000	0.000
200	201	10127	6.010	2	2	0	0	100	100	100	100	100	100	0.000	0.000
201	202	10128	6.010	2	2	0	0	100	100	100	100	100	100	0.000	0.000
203	204	10048	6.385	2	2	0	0	100	100	100	0	100	100	0.000	0.000
204	205	10049	6.385	2	2	0	0	100	100	0	100	100	100	0.000	0.000
205	206	10049	6.230	2	2	0	0	100	100	100	100	100	100	0.000	0.000
206	207	10050	6.010	2	2	0	0	100	100	100	100	100	100	0.000	0.000
207	208	10051	6.010	2	2	0	0	100	100	100	100	100	100	0.000	0.000
208	209	10052	6.010	2	2	0	0	100	100	100	100	100	100	0.000	0.000

209	210	10053	6.010	2	2	0	0	100	100	100	100	100	100	0.000	0.000
211	212	10115	6.385	2	2	0	0	100	100	100	0	100	100	0.000	0.000
212	213	10116	6.385	2	2	0	0	100	100	0	100	100	100	0.000	0.000
213	214	10117	6.230	2	2	0	0	100	100	100	100	100	100	0.000	0.000
214	215	10118	6.010	2	2	0	0	100	100	100	100	100	100	0.000	0.000
215	216	10119	6.010	2	2	0	0	100	100	100	100	100	100	0.000	0.000
216	217	10120	6.010	2	2	0	0	100	100	100	100	100	100	0.000	0.000
217	218	10121	6.010	2	2	0	0	100	100	100	100	100	100	0.000	0.000
219	220	10041	6.385	2	2	0	0	100	100	100	0	100	100	0.000	0.000
220	221	10042	6.385	2	2	0	0	100	100	0	100	100	100	0.000	0.000
221	222	10043	6.230	2	2	0	0	100	100	100	100	100	100	0.000	0.000
222	223	10044	6.010	2	2	0	0	100	100	100	100	100	100	0.000	0.000
223	224	10045	6.010	2	2	0	0	100	100	100	100	100	100	0.000	0.000
224	225	10046	6.010	2	2	0	0	100	100	100	100	100	100	0.000	0.000
225	226	10047	6.010	2	2	0	0	100	100	100	100	100	100	0.000	0.000
227	228	10108	6.385	2	2	0	0	100	100	100	0	100	100	0.000	0.000
228	229	10109	6.385	2	2	0	0	100	100	0	100	100	100	0.000	0.000
229	230	10110	6.230	2	2	0	0	100	100	100	100	100	100	0.000	0.000
230	231	10111	6.010	2	2	0	0	100	100	100	100	100	100	0.000	0.000
231	232	10112	6.010	2	2	0	0	100	100	100	100	100	100	0.000	0.000
232	233	10113	6.010	2	2	0	0	100	100	100	100	100	100	0.000	0.000
233	234	10114	6.010	2	2	0	0	100	100	100	100	100	100	0.000	0.000
235	236	10034	6.385	2	2	0	0	100	100	100	0	100	100	0.000	0.000
236	237	10035	6.385	2	2	0	0	100	100	0	100	100	100	0.000	0.000
237	238	10036	6.230	2	2	0	0	100	100	100	100	100	100	0.000	0.000
238	239	10037	6.010	2	2	0	0	100	100	100	100	100	100	0.000	0.000
239	240	10038	6.010	2	2	0	0	100	100	100	100	100	100	0.000	0.000
240	241	10039	6.010	2	2	0	0	100	100	100	100	100	100	0.000	0.000
241	242	10040	6.010	2	2	0	0	100	100	100	100	100	100	0.000	0.000
251	252	10172	2.128	2	3	0	100	0	100	100	100	100	100	0.000	0.000
252	253	10172	2.128	2	3	100	100	100	100	100	100	100	100	0.000	0.000
253	254	10172	2.128	2	3	100	100	100	100	100	100	100	100	0.000	0.000
254	255	10172	2.128	2	3	100	100	100	100	100	100	100	100	0.000	0.000
255	256	10172	2.128	2	3	100	100	100	100	100	100	100	100	0.000	0.000
256	257	10172	2.128	2	3	100	0	100	0	100	100	100	100	0.000	0.000
258	259	10173	2.128	2	3	0	100	0	100	100	100	100	100	0.000	0.000
259	260	10173	2.128	2	3	100	100	100	100	100	100	100	100	0.000	0.000
260	261	10173	2.128	2	3	100	100	100	100	100	100	100	100	0.000	0.000
261	262	10173	2.128	2	3	100	100	100	100	100	100	100	100	0.000	0.000
262	263	10173	2.128	2	3	100	100	100	100	100	100	100	100	0.000	0.000
263	264	10173	2.128	2	3	100	0	100	0	100	100	100	100	0.000	0.000
243	244	10102	6.385	2	2	0	0	100	100	100	0	100	100	0.000	0.000
244	245	10103	6.385	2	2	0	0	100	100	0	100	100	100	0.000	0.000
245	246	10104	6.230	2	2	0	0	100	100	100	100	100	100	0.000	0.000
246	247	10105	6.010	2	2	0	0	100	100	100	100	100	100	0.000	0.000
247	248	10106	6.010	2	2	0	0	100	100	100	100	100	100	0.000	0.000
248	249	10107	6.010	2	2	0	0	100	100	100	100	100	100	0.000	0.000
249	250	10107	6.010	2	2	0	0	100	100	100	100	100	100	0.000	0.000
281	282	10028	6.385	2	2	0	0	100	100	100	0	100	100	0.000	0.000
282	283	10029	6.385	2	2	0	0	100	100	0	100	100	100	0.000	0.000

283	284	10029	6.230	2	2	0	0	100	100	100	100	100	100	0.000	0.000
284	285	10030	6.010	2	2	0	0	100	100	100	100	100	100	0.000	0.000
285	286	10031	6.010	2	2	0	0	100	100	100	100	100	100	0.000	0.000
286	287	10032	6.010	2	2	0	0	100	100	100	100	100	100	0.000	0.000
287	288	10033	6.010	2	2	0	0	100	100	100	100	100	100	0.000	0.000
289	290	10095	6.385	2	2	0	0	100	100	100	0	100	100	0.000	0.000
290	291	10096	6.385	2	2	0	0	100	100	0	100	100	100	0.000	0.000
291	292	10097	6.230	2	2	0	0	100	100	100	100	100	100	0.000	0.000
292	293	10098	6.010	2	2	0	0	100	100	100	100	100	100	0.000	0.000
293	294	10099	6.010	2	2	0	0	100	100	100	100	100	100	0.000	0.000
294	295	10100	6.010	2	2	0	0	100	100	100	100	100	100	0.000	0.000
295	296	10101	6.010	2	2	0	0	100	100	100	100	100	100	0.000	0.000
297	298	10088	6.385	2	2	0	0	100	100	100	0	100	100	0.000	0.000
305	306	10021	6.385	2	2	0	0	100	100	100	0	100	100	0.000	0.000
298	299	10089	6.385	2	2	0	0	100	100	0	100	100	100	0.000	0.000
306	307	10022	6.385	2	2	0	0	100	100	0	100	100	100	0.000	0.000
299	300	10090	6.230	2	2	0	0	100	100	100	100	100	100	0.000	0.000
307	308	10023	6.230	2	2	0	0	100	100	100	100	100	100	0.000	0.000
300	301	10091	6.010	2	2	0	0	100	100	100	100	100	100	0.000	0.000
308	309	10024	6.010	2	2	0	0	100	100	100	100	100	100	0.000	0.000
301	302	10092	6.010	2	2	0	0	100	100	100	100	100	100	0.000	0.000
309	310	10025	6.010	2	2	0	0	100	100	100	100	100	100	0.000	0.000
302	303	10093	6.010	2	2	0	0	100	100	100	100	100	100	0.000	0.000
310	311	10026	6.010	2	2	0	0	100	100	100	100	100	100	0.000	0.000
303	304	10094	6.010	2	2	0	0	100	100	100	100	100	100	0.000	0.000
311	312	10027	6.010	2	2	0	0	100	100	100	100	100	100	0.000	0.000
55	56	10169	7.830	2	2	0	0	100	100	100	100	100	100	0.000	0.000
56	57	10170	2.790	2	2	0	0	100	100	100	100	100	100	0.000	0.000
57	58	10171	7.830	2	2	0	0	100	100	100	100	100	100	0.000	0.000
67	68	10187	7.830	2	2	0	0	100	100	100	100	100	100	0.000	0.000
68	69	10187	2.790	2	2	0	0	100	100	100	100	100	100	0.000	0.000
69	70	10188	7.830	2	2	0	0	100	100	100	100	100	100	0.000	0.000
79	80	10186	7.830	2	2	0	0	100	100	100	100	100	100	0.000	0.000
80	81	10185	2.790	2	2	0	0	100	100	100	100	100	100	0.000	0.000
81	82	10185	7.830	2	2	0	0	100	100	100	100	100	100	0.000	0.000
83	84	10184	7.830	2	2	0	0	100	100	100	100	100	100	0.000	0.000
84	85	10184	2.790	2	2	0	0	100	100	100	100	100	100	0.000	0.000
85	86	10184	7.830	2	2	0	0	100	100	100	100	100	100	0.000	0.000
103	104	10167	7.830	2	2	0	0	100	100	100	100	100	100	0.000	0.000
104	105	10167	2.790	2	2	0	0	100	100	100	100	100	100	0.000	0.000
105	106	10168	7.830	2	2	0	0	100	100	100	100	100	100	0.000	0.000

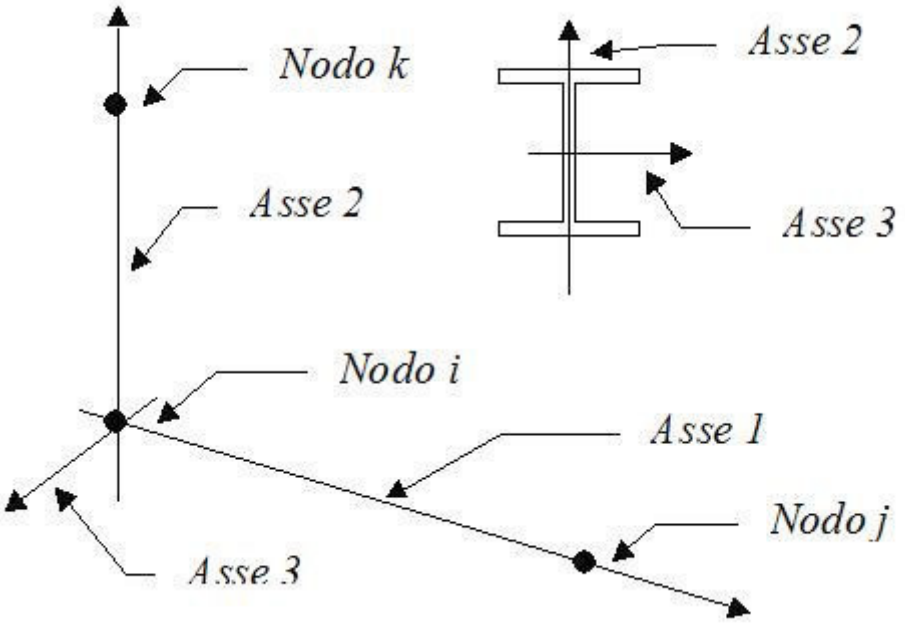
Elementi tipo trave su suolo alla Winkler

Convenzioni adottate

Ogni elemento tipo trave su suolo alla Winkler viene identificato da:

- Il nodo iniziale *i*;
- il nodo finale *j*;
- il nodo *k* che definisce l'orientamento nello spazio della terna riferimento locale dell'elemento.

La terna di riferimento locale della trave risulta essere così disposta:



1. La modellazione del terreno sul quale agiscono le travi è alla Winkler e pertanto particolare attenzione va riposta ai casi in cui le travi inducano sul terreno zone di trazione poichè, in tal caso, la modellazione stessa cade in difetto.

Caratteristiche dei Materiali:

Tipo	Modulo Elastico [MPa]	ν	alfa [1/°C]	Peso Specifico [kN/m^3]	Commento
1	35220.0	0.330	0.000012	25.00	C25/30
2	210000.0	0.330	0.000012	78.50	S275
3	210000.0	0.330	0.000012	78.50	S355

Caratteristiche dei Terreni di Fondazione:

Tipo	Costante di Sottofondo [N/mm^3]	Commento
1	0.01	Default

Sezioni Impiegate:

Sezione	Materiale	Tipo di Sezione	Parametri Dimensionali Commenti
1	1	Rett.	B=800.0 H=800.0 [mm] Terreno numero 1 Default FONDAZIONE

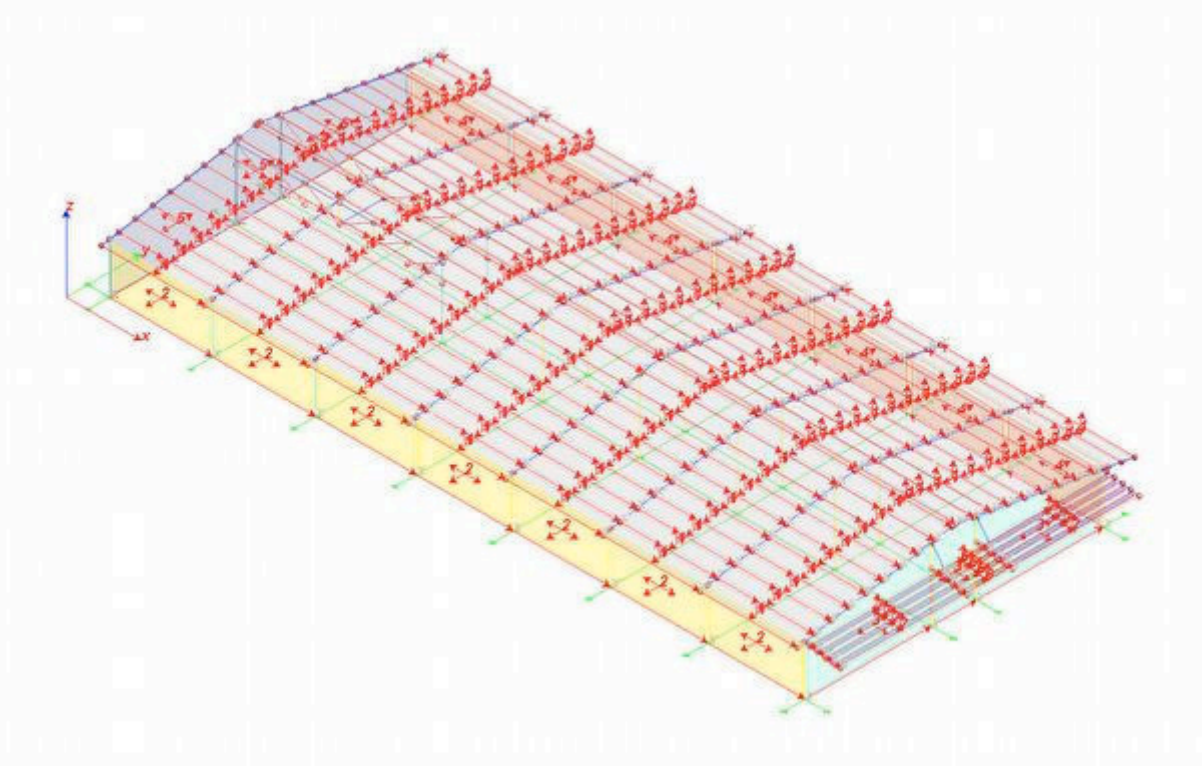
Caratteristiche Inerziali:

Sezione	Materiale	Area [mm^2]	Jt [mm^4]	J2 [mm^4]	J3 [mm^4]	J23 [mm^4]	Xx	Xy

Sezione	Materiale	Area [mm²]	Jt [mm^4]	J2 [mm^4]	J3 [mm^4]	J23 [mm^4]	Xx	Xy
1	1	640000	57579837739	34133329988	34133329988	381	1.2	1.2

Travata	Trave	Nodo i	Nodo j	Nodo k	Materiale	Sezione	Luce [m]
130	1	13	1	10018	1	1	1.340
130	2	1	14	10018	1	1	6.385
130	3	14	15	10018	1	1	6.385
130	4	15	16	10018	1	1	6.230
130	5	16	17	10018	1	1	6.010
130	6	17	18	10018	1	1	6.010
130	7	18	19	10018	1	1	6.010
130	8	19	20	10018	1	1	6.010
130	9	20	21	10018	1	1	1.340
131	1	22	2	10010	1	1	1.340
131	2	2	23	10010	1	1	12.770
131	3	23	24	10010	1	1	6.230
131	4	24	25	10010	1	1	6.010
131	5	25	26	10010	1	1	6.010
131	6	26	27	10010	1	1	6.010
131	7	27	28	10010	1	1	6.010
131	8	28	29	10010	1	1	1.340
132	1	30	3	10009	1	1	1.340
132	2	3	31	10009	1	1	12.770
132	3	31	32	10009	1	1	6.230
132	4	32	33	10009	1	1	6.010
132	5	33	34	10009	1	1	6.010
132	6	34	35	10009	1	1	6.010
132	7	35	36	10009	1	1	6.010
132	8	36	37	10009	1	1	1.340
133	1	38	4	10019	1	1	1.340
133	2	4	39	10019	1	1	6.385
133	3	39	40	10019	1	1	6.385
133	4	40	41	10019	1	1	6.230
133	5	41	42	10019	1	1	6.010
133	6	42	43	10019	1	1	6.010
133	7	43	44	10019	1	1	6.010
133	8	44	45	10019	1	1	6.010
133	9	45	46	10019	1	1	1.340
172	1	5	1	10019	1	1	1.340
172	2	1	2	10019	1	1	7.830
172	3	2	3	10019	1	1	2.790
172	4	3	4	10019	1	1	7.830
172	5	4	47	10019	1	1	1.340
173	1	6	14	10017	1	1	1.340

Travata	Trave	Nodo i	Nodo j	Nodo k	Materiale	Sezione	Luce [m]
173	2	14	39	10017	1	1	18.450
173	3	39	48	10017	1	1	1.340
174	1	7	15	10016	1	1	1.340
174	2	15	23	10016	1	1	7.830
174	3	23	31	10016	1	1	2.790
174	4	31	40	10016	1	1	7.830
174	5	40	49	10016	1	1	1.340
175	1	8	16	10015	1	1	1.340
175	2	16	24	10015	1	1	7.830
175	3	24	32	10015	1	1	2.790
175	4	32	41	10015	1	1	7.830
175	5	41	50	10015	1	1	1.340
176	1	9	17	10014	1	1	1.340
176	2	17	25	10014	1	1	7.830
176	3	25	33	10014	1	1	2.790
176	4	33	42	10014	1	1	7.830
176	5	42	51	10014	1	1	1.340
177	1	10	18	10013	1	1	1.340
177	2	18	26	10013	1	1	7.830
177	3	26	34	10013	1	1	2.790
177	4	34	43	10013	1	1	7.830
177	5	43	52	10013	1	1	1.340
178	1	11	19	10012	1	1	1.340
178	2	19	27	10012	1	1	7.830
178	3	27	35	10012	1	1	2.790
178	4	35	44	10012	1	1	7.830
178	5	44	53	10012	1	1	1.340
179	1	12	20	10011	1	1	1.340
179	2	20	28	10011	1	1	7.830
179	3	28	36	10011	1	1	2.790
179	4	36	45	10011	1	1	7.830
179	5	45	54	10011	1	1	1.340



Condizioni e combinazioni di carico

Convenzioni adottate

Nel seguito vengono riportate il numero di condizioni di carico statiche e dinamiche che sollecitano la struttura. Si noti che:

- Per quanto riguarda le condizioni di carico dinamiche, il programma assimila ogni direzione di ingresso del sisma, definita dal progettista, ad una condizione di carico. Pertanto qualora agiscano sulla struttura *n* condizioni di carico statiche e il progettista abbia supposto che la struttura venga sollecitata da un sisma entrante in *m* direzioni, la struttura stessa viene considerata del programma come soggetta ad *n* + *m* condizioni di carico.
- Le combinazioni di carico, definite dal progettista, combinano fra loro le *n* + *m* condizioni di carico ognuna partecipante alla combinazione *i-esima* secondo i fattori di partecipazione nel seguito riportati. N.B.: se la condizione *j-esima* ha fattore di partecipazione unitario, allora partecipa per intero alla combinazione *i-esima*.
- Le prime *n* condizioni sono sempre statiche mentre sono di origine dinamica le (eventuali) condizioni da *n+1* a *n+m*.

Condizioni di carico definite:

Condizione

1	G1_k
2	G2_k
3	Qn_k
4	Qv+x_k
5	Qv+y_k
6	Qv-x_k
7	Qv-y_k
8	Sisma 0+SLU
9	Sisma 0-SLU
10	Sisma 90+SLU
11	Sisma 90-SLU
12	Sisma 180+SLU

Condizione

13	Sisma 180-SLU
14	Sisma 270+SLU
15	Sisma 270-SLU
16	Sisma 0+SLD
17	Sisma 0-SLD
18	Sisma 90+SLD
19	Sisma 90-SLD
20	Sisma 180+SLD
21	Sisma 180-SLD
22	Sisma 270+SLD
23	Sisma 270-SLD

Combinazioni agli Stati Limite Ultimi

Combinazione di carico numero

1	SLU_n_v+x
2	SLU_n_v+y
3	SLU_n_v-x
4	SLU_n_v-y
5	SLU_v+x_n
6	SLU_v+y_n
7	SLU_v-x_n
8	SLU_v-y_n

Comb.\Cond	1	2	3	4	5	6	7
1	1.3	1.5	1.5	0.9			
2	1.3	1.5	1.5		0.9		
3	1.3	1.5	1.5			0.9	
4	1.3	1.5	1.5				0.9
5	1.3	1.5	0.75	1.5			
6	1.3	1.5	0.75		1.5		
7	1.3	1.5	0.75			1.5	
8	1.3	1.5	0.75				1.5

Combinazioni agli Stati Limite di Salvaguardia della Vita

Combinazione di carico numero

9	SLV 0+ / 90+
10	SLV 0+ / 270+

Combinazione di carico numero

11	SLV 0- / 90-
12	SLV 0- / 270-
13	SLV 90+ / 0+
14	SLV 90+ / 180+
15	SLV 90- / 0-
16	SLV 90- / 180-
17	SLV 180+ / 90+
18	SLV 180+ / 270+
19	SLV 180- / 90-
20	SLV 180- / 270-
21	SLV 270+ / 0+
22	SLV 270+ / 180+
23	SLV 270- / 0-
24	SLV 270- / 180-

Comb.\Cond	1	2	8	9	10	11	12	13	14	15
9	1	1	1		0.3					
10	1	1	1						0.3	
11	1	1		1		0.3				
12	1	1		1						0.3
13	1	1	0.3		1					
14	1	1			1		0.3			
15	1	1		0.3		1				
16	1	1				1		0.3		
17	1	1			0.3		1			
18	1	1					1		0.3	
19	1	1				0.3		1		
20	1	1						1		0.3
21	1	1	0.3						1	
22	1	1					0.3		1	
23	1	1		0.3						1
24	1	1						0.3		1

Combinazioni RARE Stati Limite di Esercizio

Combinazione di carico numero

25	SLER_n_v+x
26	SLER_n_v+y
27	SLER_n_v-x
28	SLER_n_v-y
29	SLER_v+x_n
30	SLER_v+y_n
31	SLER_v-x_n

Combinazione di carico numero

32	SLER_v-y_n

Comb.\Cond	1	2	3	4	5	6	7
25	1	1	1	0.6			
26	1	1	1		0.6		
27	1	1	1			0.6	
28	1	1	1				0.6
29	1	1	0.5	1			
30	1	1	0.5		1		
31	1	1	0.5			1	
32	1	1	0.5				1

Combinazioni FREQUENTI Stati Limite di Esercizio

Combinazione di carico numero

33	SLEF_n
34	SLEF_v+x
35	SLEF_v+y
36	SLEF_v-x
37	SLEF_v-y

Comb.\Cond	1	2	3	4	5	6	7
33	1	1	0.2				
34	1	1		0.2			
35	1	1			0.2		
36	1	1				0.2	
37	1	1					0.2

Combinazioni QUASI PERMANENTI Stati Limite di Esercizio

Combinazione di carico numero

38	SLEQP

Comb.\Cond	1	2
38	1	1

Combinazioni agli Stati Limite di Danno

Combinazione di carico numero

39	SLD 0+ / 90+
40	SLD 0+ / 270+
41	SLD 0- / 90-
42	SLD 0- / 270-
43	SLD 90+ / 0+
44	SLD 90+ / 180+
45	SLD 90- / 0-
46	SLD 90- / 180-
47	SLD 180+ / 90+
48	SLD 180+ / 270+
49	SLD 180- / 90-
50	SLD 180- / 270-
51	SLD 270+ / 0+
52	SLD 270+ / 180+
53	SLD 270- / 0-
54	SLD 270- / 180-

Comb.\Cond	1	2	16	17	18	19	20	21	22	23
39	1	1	1		0.3					
40	1	1	1						0.3	
41	1	1		1		0.3				
42	1	1		1						0.3
43	1	1	0.3		1					
44	1	1			1		0.3			
45	1	1		0.3		1				
46	1	1				1		0.3		
47	1	1			0.3		1			
48	1	1					1		0.3	
49	1	1				0.3		1		
50	1	1						1		0.3
51	1	1	0.3						1	
52	1	1					0.3		1	
53	1	1		0.3						1
54	1	1						0.3		1

Tabella delle combinazioni di carico presentate come inviluppi

Commento	Sigla Combinazione	Combinazioni utilizzate															
SLU Statiche	SLU Statiche +-	1	2	3	4	5	6	7	8								
SLV	SLV +-	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
SLE Rare	SLE Rare +-	25	26	27	28	29	30	31	32								

SLE Frequenti	SLE Frequenti +-	33	34	35	36	37											
SLE Quasi Permanenti	SLE Quasi Permanenti +-	38															
SLD	SLD +-	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54

Dati relativi alle aree di carico

Convenzioni adottate

Nel seguito sono riportate le *aree di carico* definite nel progetto.
Un'*area di carico* è definita da una superfice contornata da travi di bordo ed i carichi superficiali su essa agenti vengono riportati dal programma sulle travi perimetrali in ragione dell'area di influenza relativa ad ogni trave e della direzione di orditura della superficie.
È importante rilevare che **la direzione di orditura viene assunta dal programma con riferimento al primo lato della superficie di carico e non con riferimento all'asse *x* globale della struttura**.

Esempio: *direzione* di orditura 0 gradi.

In particolare ricordiamo che le *aree di carico* fungono esclusivamente da supporto per il calcolo dei carichi di tipo superficiale in quanto i carichi definiti tramite tali *aree di carico* in effetti vengono trasferiti (sotto forma di carichi lineari o carichi nodali concentrati nei nodi) sulle travi perimetrali che contornano l'area di carico stessa.
A seguire vengono riportati per ogni tipologia definita i carichi agenti nelle varie condizioni di carico. La dizione:

Globale
indica che il carico è definito nel sistema di riferimento globale della struttura.

Globale Proiettato
indica che il carico è definito nel sistema di riferimento globale della struttura ma il valore viene computato in proiezione.

Locale
indica che il carico è definito nel sistema di riferimento locale della superficie di carico.

Area di Carico Numero	Commento
1	COPERTURA
2	PARETE V+Y
3	PARETE V-X
4	PARETE V-Y
5	PARETE V+X
6	COPERTURA PENSILINA centrale
7	COPERTURA PENSILINA esterne

Tipo	Alfa	Condizione	Carico Trasmesso	Riferimento	qx [kN/m²] Qx [kN]	qy [kN/m²] Qy [kN]	qz [kN/m²] Qz [kN]
1	0.0	2	Alle Travi	Globale	0.00	0.00	0.50
					0.00	-0.00	456.98
1	0.0	3	Alle Travi	Globale Proiettato	0.00	0.00	1.67
					0.00	-0.00	1503.47
2	0.0	2	Alle Travi	Globale	0.00	0.00	0.50
					0.00	0.00	66.71
2	0.0	5	Alle Travi	Globale	0.00	-0.83	0.00
					0.00	-110.74	0.00
2	0.0	7	Alle Travi	Globale	0.00	0.17	0.00
					0.00	22.68	0.00
3	0.0	2	Alle Travi	Globale	0.00	0.00	0.50
					0.00	0.00	35.93
3	0.0	4	Alle Travi	Globale	-0.17	0.00	0.00
					-12.21	0.00	0.00
3	0.0	6	Alle Travi	Globale	0.83	0.00	0.00
					59.64	0.00	0.00
4	0.0	2	Alle Travi	Globale	0.00	0.00	0.50
					0.00	0.00	66.71
4	0.0	5	Alle Travi	Globale	0.00	-0.17	0.00
					0.00	-22.68	0.00
4	0.0	7	Alle Travi	Globale	0.00	0.83	0.00
					0.00	110.74	0.00
5	0.0	2	Alle Travi	Globale	0.00	0.00	0.50
					0.00	0.00	35.93
5	0.0	4	Alle Travi	Globale	-0.83	0.00	0.00
					-59.64	0.00	0.00
5	0.0	6	Alle Travi	Globale	0.17	0.00	0.00
					12.21	0.00	0.00
6	0.0	2	Alle Travi	Globale	0.00	0.00	0.30
					-0.00	0.00	1.70
6	0.0	3	Alle Travi	Globale Proiettato	0.00	0.00	3.30
					0.00	0.00	18.44
7	0.0	2	Alle Travi	Globale	0.00	0.00	0.30
					-0.00	0.00	9.53
7	0.0	3	Alle Travi	Globale Proiettato	0.00	0.00	2.00
					-0.00	0.00	62.72

Tipologia	Nodi
3	36 45 124 154 170 186 202 218 234 250 280
	116 36
5	4 3 132 258 273 243 227 211 195 179 163
	147 117 4
5	2 1 107 139 155 171 187 203 219 235 265
	251 125 2
7	67 55 56 68 67
6	68 56 57 69 68
6	80 68 69 81 80
7	79 67 68 80 79
1	66 65 77 78 66
7	69 57 58 70 69
1	65 64 76 77 65
1	64 63 75 76 64
1	63 62 74 75 63
1	62 61 73 74 62
1	61 60 72 73 61
1	60 59 71 72 60
7	81 69 70 82 81
7	85 81 82 86 85
6	84 80 81 85 84
7	83 79 80 84 83
1	147 148 118 96 95 117 147
1	73 72 96 97 73
1	148 149 119 97 96 118 148
1	149 150 120 98 97 119 149
1	89 90 110 142 141 109 89
1	90 91 111 143 142 110 90
1	91 92 112 144 143 111 91
1	87 88 108 140 139 107 87
1	76 75 99 100 76
1	75 74 98 99 75
1	74 73 97 98 74
1	78 77 101 102 78
1	77 76 100 101 77
7	105 85 86 106 105
6	104 84 85 105 104
7	103 83 84 104 103
2	1 14 108 107 1
2	14 15 109 108 14
2	15 16 110 109 15
2	16 17 111 110 16
2	17 18 112 111 17
2	18 19 113 112 18
2	19 20 114 113 19
4	45 44 123 124 45
4	44 43 122 123 44
4	43 42 121 122 43

Tipologia	Nodi
4	42 41 120 121 42
4	41 40 119 120 41
4	40 39 118 119 40
4	39 4 117 118 39
1	88 89 109 141 140 108 88
1	92 93 113 145 144 112 92
1	72 71 95 96 72
1	93 94 114 146 145 113 93
1	165 166 150 149 165
1	150 151 121 99 98 120 150
1	166 167 151 150 166
1	151 152 122 100 99 121 151
1	167 168 152 151 167
1	152 153 123 101 100 122 152
1	153 154 124 102 101 123 153
1	139 140 156 155 139
1	155 156 172 171 155
1	168 169 153 152 168
1	169 170 154 153 169
1	140 141 157 156 140
1	156 157 173 172 156
1	142 143 159 158 142
1	143 144 160 159 143
1	144 145 161 160 144
1	163 164 148 147 163
1	164 165 149 148 164
1	141 142 158 157 141
1	145 146 162 161 145
1	157 158 174 173 157
1	159 160 176 175 159
1	160 161 177 176 160
1	158 159 175 174 158
1	161 162 178 177 161
1	177 178 194 193 177
1	176 177 193 192 176
1	175 176 192 191 175
1	174 175 191 190 174
1	173 174 190 189 173
1	172 173 189 188 172
1	171 172 188 187 171
1	185 186 170 169 185
1	179 180 164 163 179
1	195 196 180 179 195
1	180 181 165 164 180
1	196 197 181 180 196
1	181 182 166 165 181
1	197 198 182 181 197
1	183 184 168 167 183

Tipologia	Nodi
1	184 185 169 168 184
1	182 183 167 166 182
1	198 199 183 182 198
1	199 200 184 183 199
1	201 202 186 185 201
1	200 201 185 184 200
1	187 188 204 203 187
1	188 189 205 204 188
1	189 190 206 205 189
1	190 191 207 206 190
1	191 192 208 207 191
1	192 193 209 208 192
1	193 194 210 209 193
1	211 212 196 195 211
1	227 228 212 211 227
1	213 214 198 197 213
1	214 215 199 198 214
1	215 216 200 199 215
1	217 218 202 201 217
1	203 204 220 219 203
1	204 205 221 220 204
1	205 206 222 221 205
1	206 207 223 222 206
1	207 208 224 223 207
1	208 209 225 224 208
1	209 210 226 225 209
1	212 213 197 196 212
1	228 229 213 212 228
1	229 230 214 213 229
1	230 231 215 214 230
1	231 232 216 215 231
1	216 217 201 200 216
1	247 248 232 231 247
1	233 234 218 217 233
1	232 233 217 216 232
1	249 250 234 233 249
3	28 36 116 280 272 115 28
5	3 2 125 251 265 273 258 132 3
3	20 28 115 272 242 226 210 194 178 162 146
	114 20
1	219 220 236 235 219
1	235 236 266 282 281 265 235
1	245 246 230 229 245
1	244 245 229 228 244
1	246 247 231 230 246
1	220 221 237 236 220
1	221 222 238 237 221
1	222 223 239 238 222

Tipologia	Nodi
1	223 224 240 239 223
1	224 225 241 240 224
1	243 244 228 227 243
1	225 226 242 241 225
1	248 249 233 232 248
1	281 282 306 305 281
1	236 237 267 283 282 266 236
1	237 238 268 284 283 267 237
1	238 239 269 285 284 268 238
1	239 240 270 286 285 269 239
1	240 241 271 287 286 270 240
1	241 242 272 288 287 271 241
1	295 296 280 250 249 279 295
1	289 290 274 244 243 273 289
1	297 298 290 289 297
1	290 291 275 245 244 274 290
1	291 292 276 246 245 275 291
1	292 293 277 247 246 276 292
1	293 294 278 248 247 277 293
1	294 295 279 249 248 278 294
1	305 306 298 297 305
1	282 283 307 306 282
1	298 299 291 290 298
1	306 307 299 298 306
1	283 284 308 307 283
1	299 300 292 291 299
1	307 308 300 299 307
1	284 285 309 308 284
1	300 301 293 292 300
1	308 309 301 300 308
1	285 286 310 309 285
1	301 302 294 293 301
1	309 310 302 301 309
1	286 287 311 310 286
1	302 303 295 294 302
1	310 311 303 302 310
1	287 288 312 311 287
1	303 304 296 295 303
1	311 312 304 303 311

Analisi dinamica

Convenzioni adottate

Nella presente versione del programma ***WinStrand*** l'analisi in campo dinamico della struttura può essere condotta per via *statica equivalente* ovvero per via *modale* facendo uso, per il calcolo della risposta, dello spettro di pseudo accellerazioni fornito dal regolamento italiano.

Dati generali relativi all'analisi dinamica

Spettro in accordo con TU 2018

- Via Madonna delle Carceri, 62032 Camerino MC, Italia Longitudine 13.0679 Latitudine 43.1392
- Tipo di Terreno B
- Coefficiente di amplificazione topografica (S_T) 1.2000
- Vita nominale della costruzione (V_N) 10.0 anni
- Classe d'uso III coefficiente C_U 1.5
- Classe di duttilità impostata Bassa
- Fattore di duttilità α_u/α_1 per sisma orizzontale 1.00
- Fattore riduttivo regolarità in altezza K_R 1.00
- Fattore riduttivo per la presenza di setti K_W 1.00

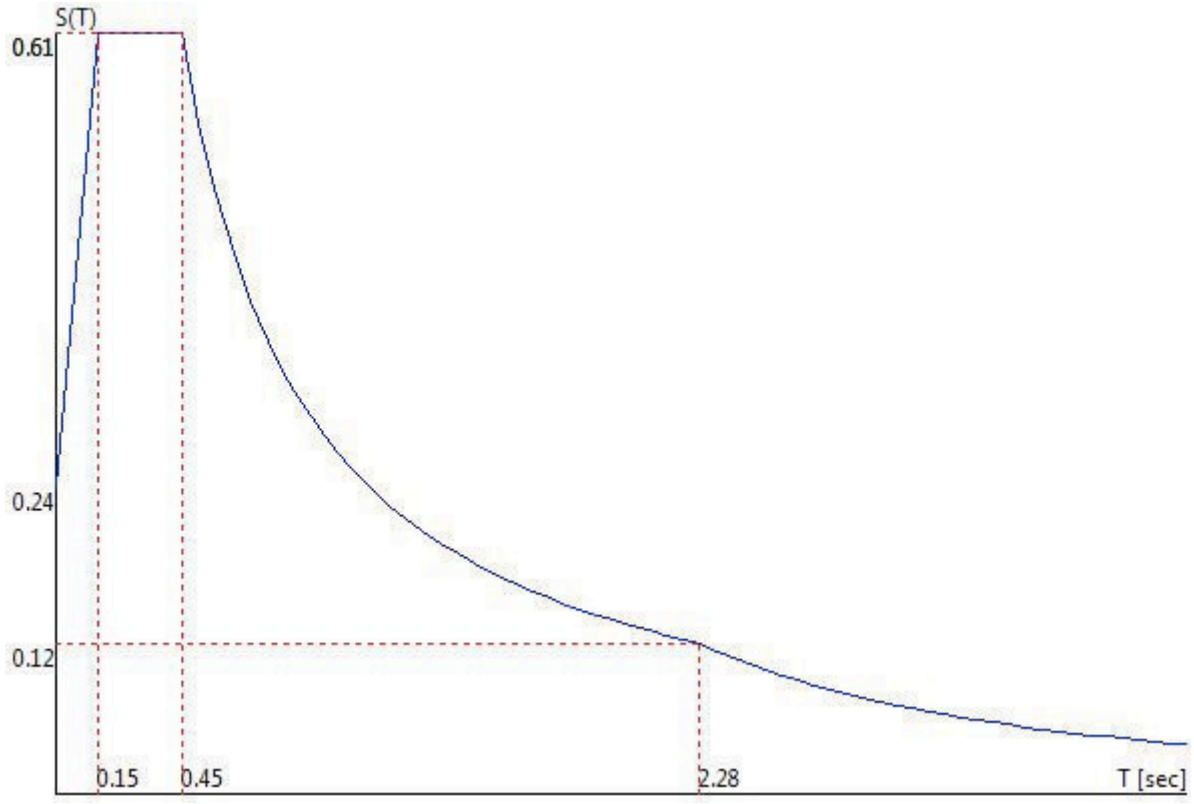
Stato Limite	q_o= C α_u/α_1	q_H	q_V
SLV	1.00	1.00	1.50
SLD	1.00	1.00	1.50
SLC	1.00	1.00	1.50
SLO	1.00	1.00	1.50

- Smorzamento Viscoso (0.05 = 5%) 0.05

TU 2018 SLV H

- Probabilità di superamento (P_{VR}) 10.0 e periodo di ritorno (T_R) 332 (anni)
- S_s 1.200
- T_B 0.15 [s]
- T_C 0.45 [s]
- T_D 2.28 [s]
- a_g/g 0.1699
- F_o 2.4920
- T_C^* 0.3245

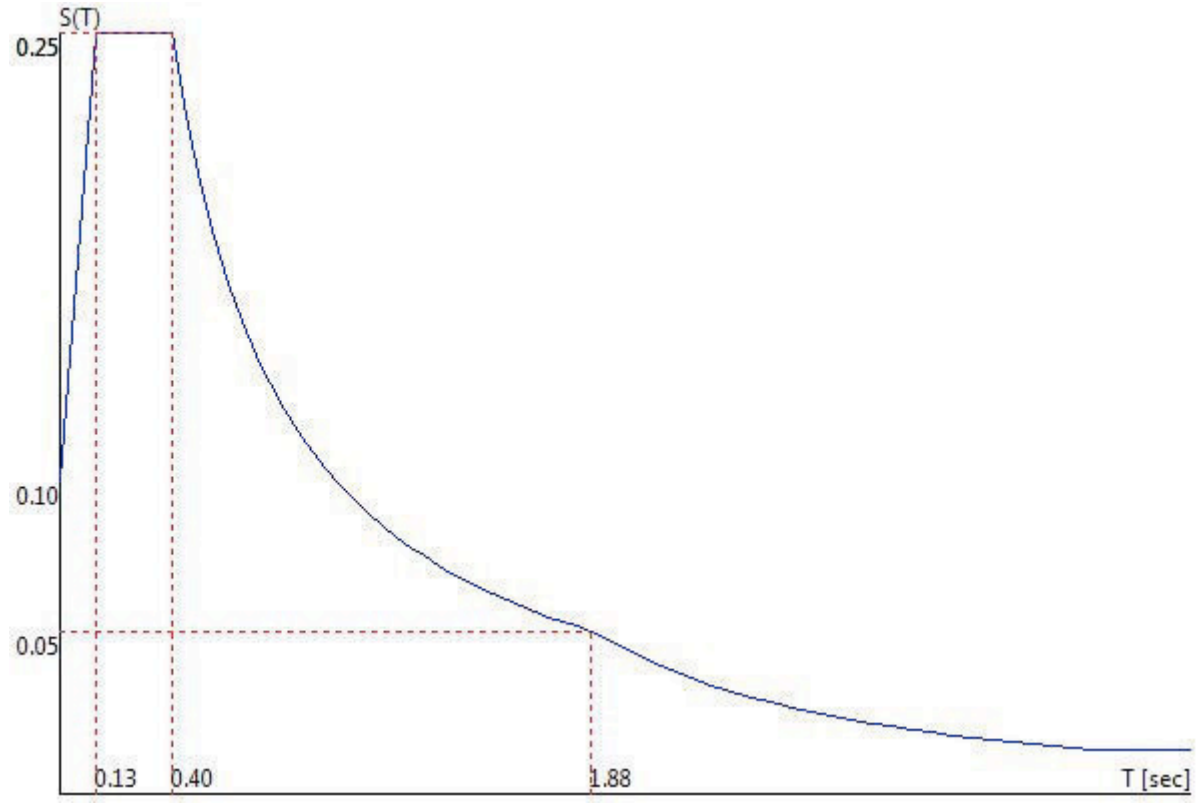
TU 2018 SLV H



TU 2018 SLD H

- Probabilità di superamento (P_{VR}) 63.0 e periodo di ritorno (T_R) 35 (anni)
- S_S 1.200
- T_B 0.13 [s]
- T_C 0.40 [s]
- T_D 1.88 [s]
- a_g/g 0.0702
- F_O 2.4372
- T_C^* 0.2831

TU 2018 SLD H



Fattori di partecipazione per il calcolo delle masse

Cond. Carico 1 G1_k 1.0000
Cond. Carico 2 G2_k 1.0000
Cond. Carico 3 Qn_k 0.0000
Cond. Carico 4 Qv+x_k 0.0000
Cond. Carico 5 Qv+y_k 0.0000
Cond. Carico 6 Qv-x_k 0.0000
Cond. Carico 7 Qv-y_k 0.0000

Angoli d'ingresso del Sisma

- SLV Direzione 1 Angolo in pianta 0.0 [deg]
- SLV Direzione 2 Angolo in pianta 0.0 [deg]
- SLV Direzione 3 Angolo in pianta 90.0 [deg]
- SLV Direzione 4 Angolo in pianta 90.0 [deg]
- SLV Direzione 5 Angolo in pianta 180.0 [deg]
- SLV Direzione 6 Angolo in pianta 180.0 [deg]
- SLV Direzione 7 Angolo in pianta 270.0 [deg]
- SLV Direzione 8 Angolo in pianta 270.0 [deg]
- SLD Direzione 9 Angolo in pianta 0.0 [deg]
- SLD Direzione 10 Angolo in pianta 0.0 [deg]
- SLD Direzione 11 Angolo in pianta 90.0 [deg]
- SLD Direzione 12 Angolo in pianta 90.0 [deg]
- SLD Direzione 13 Angolo in pianta 180.0 [deg]
- SLD Direzione 14 Angolo in pianta 180.0 [deg]
- SLD Direzione 15 Angolo in pianta 270.0 [deg]
- SLD Direzione 16 Angolo in pianta 270.0 [deg]

Analisi Modale via Vettori di Ritz

Direzione d'ingresso 1 angolo 0.0 [deg] SLV

Primi autovalori e modi di vibrare della struttura.

Modo	Autovalore	Frequenza [rad/s]	Periodo [s]	Coefficiente Risposta
1	1.01845e+02	10.092	0.62	0.4377
2	1.51900e+02	12.325	0.51	0.5345
3	3.53554e+02	18.803	0.33	0.6095
4	6.45428e+02	25.405	0.25	0.6095
5	9.80220e+02	31.308	0.20	0.6095
6	2.49875e+03	49.988	0.13	0.5524

Direzione d'ingresso 2 angolo 0.0 [deg] SLV

Primi autovalori e modi di vibrare della struttura.

Modo	Autovalore	Frequenza [rad/s]	Periodo [s]	Coefficiente Risposta
1	1.01845e+02	10.092	0.62	0.4377
2	1.51900e+02	12.325	0.51	0.5345
3	3.53554e+02	18.803	0.33	0.6095
4	6.45428e+02	25.405	0.25	0.6095
5	9.80220e+02	31.308	0.20	0.6095
6	2.49875e+03	49.988	0.13	0.5524

Direzione d'ingresso 3 angolo 90.0 [deg] SLV

Primi autovalori e modi di vibrare della struttura.

Modo	Autovalore	Frequenza [rad/s]	Periodo [s]	Coefficiente Risposta
1	1.02111e+02	10.105	0.62	0.4383
2	1.52470e+02	12.348	0.51	0.5355
3	2.38493e+02	15.443	0.41	0.6095
4	3.19978e+02	17.888	0.35	0.6095
5	3.82763e+02	19.564	0.32	0.6095
6	2.77111e+03	52.641	0.12	0.5369

Direzione d'ingresso 4 angolo 90.0 [deg] SLV

Primi autovalori e modi di vibrare della struttura.

Modo	Autovalore	Frequenza [rad/s]	Periodo [s]	Coefficiente Risposta
1	1.02111e+02	10.105	0.62	0.4383
2	1.52470e+02	12.348	0.51	0.5355
3	2.38493e+02	15.443	0.41	0.6095
4	3.19978e+02	17.888	0.35	0.6095
5	3.82763e+02	19.564	0.32	0.6095
6	2.77111e+03	52.641	0.12	0.5369

Direzione d'ingresso 5 angolo 180.0 [deg] SLV

Primi autovalori e modi di vibrare della struttura.

Modo	Autovalore	Frequenza [rad/s]	Periodo [s]	Coefficiente Risposta
1	1.01845e+02	10.092	0.62	0.4377
2	1.51900e+02	12.325	0.51	0.5345
3	3.53564e+02	18.803	0.33	0.6095
4	6.45434e+02	25.405	0.25	0.6095
5	9.80270e+02	31.309	0.20	0.6095
6	2.49878e+03	49.988	0.13	0.5524

Direzione d'ingresso 6 angolo 180.0 [deg] SLV

Primi autovalori e modi di vibrare della struttura.

Modo	Autovalore	Frequenza [rad/s]	Periodo [s]	Coefficiente Risposta
1	1.01845e+02	10.092	0.62	0.4377
2	1.51900e+02	12.325	0.51	0.5345
3	3.53564e+02	18.803	0.33	0.6095
4	6.45434e+02	25.405	0.25	0.6095
5	9.80270e+02	31.309	0.20	0.6095
6	2.49878e+03	49.988	0.13	0.5524

Direzione d'ingresso 7 angolo 270.0 [deg] SLV

Primi autovalori e modi di vibrare della struttura.

Modo	Autovalore	Frequenza [rad/s]	Periodo [s]	Coefficiente Risposta
1	1.02111e+02	10.105	0.62	0.4383
2	1.52470e+02	12.348	0.51	0.5355
3	2.38493e+02	15.443	0.41	0.6095
4	3.19978e+02	17.888	0.35	0.6095
5	3.82763e+02	19.564	0.32	0.6095
6	2.77111e+03	52.641	0.12	0.5369

Direzione d'ingresso 8 angolo 270.0 [deg] SLV

Primi autovalori e modi di vibrare della struttura.

Modo	Autovalore	Frequenza [rad/s]	Periodo [s]	Coefficiente Risposta
1	1.02111e+02	10.105	0.62	0.4383
2	1.52470e+02	12.348	0.51	0.5355
3	2.38493e+02	15.443	0.41	0.6095
4	3.19978e+02	17.888	0.35	0.6095
5	3.82763e+02	19.564	0.32	0.6095
6	2.77111e+03	52.641	0.12	0.5369

Direzione d'ingresso 9 angolo 0.0 [deg] SLD

Primi autovalori e modi di vibrare della struttura.

Modo	Autovalore	Frequenza [rad/s]	Periodo [s]	Coefficiente Risposta
1	1.01845e+02	10.092	0.62	0.4377
2	1.51900e+02	12.325	0.51	0.5345
3	3.53554e+02	18.803	0.33	0.6095
4	6.45428e+02	25.405	0.25	0.6095
5	9.80220e+02	31.308	0.20	0.6095
6	2.49875e+03	49.988	0.13	0.5524

Direzione d'ingresso 10 angolo 0.0 [deg] SLD

Primi autovalori e modi di vibrare della struttura.

Modo	Autovalore	Frequenza [rad/s]	Periodo [s]	Coefficiente Risposta
1	1.01845e+02	10.092	0.62	0.4377
2	1.51900e+02	12.325	0.51	0.5345
3	3.53554e+02	18.803	0.33	0.6095
4	6.45428e+02	25.405	0.25	0.6095
5	9.80220e+02	31.308	0.20	0.6095
6	2.49875e+03	49.988	0.13	0.5524

Direzione d'ingresso 11 angolo 90.0 [deg] SLD

Primi autovalori e modi di vibrare della struttura.

Modo	Autovalore	Frequenza [rad/s]	Periodo [s]	Coefficiente Risposta
1	1.02111e+02	10.105	0.62	0.4383
2	1.52470e+02	12.348	0.51	0.5355
3	2.38493e+02	15.443	0.41	0.6095
4	3.19978e+02	17.888	0.35	0.6095
5	3.82763e+02	19.564	0.32	0.6095
6	2.77111e+03	52.641	0.12	0.5369

Direzione d'ingresso 12 angolo 90.0 [deg] SLD

Primi autovalori e modi di vibrare della struttura.

Modo	Autovalore	Frequenza [rad/s]	Periodo [s]	Coefficiente Risposta
1	1.02111e+02	10.105	0.62	0.4383
2	1.52470e+02	12.348	0.51	0.5355
3	2.38493e+02	15.443	0.41	0.6095
4	3.19978e+02	17.888	0.35	0.6095
5	3.82763e+02	19.564	0.32	0.6095
6	2.77111e+03	52.641	0.12	0.5369

Direzione d'ingresso 13 angolo 180.0 [deg] SLD

Primi autovalori e modi di vibrare della struttura.

Modo	Autovalore	Frequenza [rad/s]	Periodo [s]	Coefficiente Risposta
1	1.01845e+02	10.092	0.62	0.4377
2	1.51900e+02	12.325	0.51	0.5345
3	3.53564e+02	18.803	0.33	0.6095
4	6.45434e+02	25.405	0.25	0.6095
5	9.80270e+02	31.309	0.20	0.6095
6	2.49878e+03	49.988	0.13	0.5524

Direzione d'ingresso 14 angolo 180.0 [deg] SLD

Primi autovalori e modi di vibrare della struttura.

Modo	Autovalore	Frequenza [rad/s]	Periodo [s]	Coefficiente Risposta
1	1.01845e+02	10.092	0.62	0.4377
2	1.51900e+02	12.325	0.51	0.5345
3	3.53564e+02	18.803	0.33	0.6095
4	6.45434e+02	25.405	0.25	0.6095
5	9.80270e+02	31.309	0.20	0.6095
6	2.49878e+03	49.988	0.13	0.5524

Direzione d'ingresso 15 angolo 270.0 [deg] SLD

Primi autovalori e modi di vibrare della struttura.

Modo	Autovalore	Frequenza [rad/s]	Periodo [s]	Coefficiente Risposta
1	1.02111e+02	10.105	0.62	0.4383
2	1.52470e+02	12.348	0.51	0.5355
3	2.38493e+02	15.443	0.41	0.6095
4	3.19978e+02	17.888	0.35	0.6095
5	3.82763e+02	19.564	0.32	0.6095
6	2.77111e+03	52.641	0.12	0.5369

Direzione d'ingresso 16 angolo 270.0 [deg] SLD

Primi autovalori e modi di vibrare della struttura.

Modo	Autovalore	Frequenza [rad/s]	Periodo [s]	Coefficiente Risposta
1	1.02111e+02	10.105	0.62	0.4383
2	1.52470e+02	12.348	0.51	0.5355
3	2.38493e+02	15.443	0.41	0.6095
4	3.19978e+02	17.888	0.35	0.6095
5	3.82763e+02	19.564	0.32	0.6095
6	2.77111e+03	52.641	0.12	0.5369

Direzione di Ingresso del Sisma 1 Angolo 0.0

Coefficienti di partecipazione e masse modali efficaci per i vari modi di vibrare:

Modo	Li(gi)	|Li|/|L1|	Emi=Li^2/Mi	Emi/EmTot	Sum.Emi/EmTot
1	9.24338e+01	100.0	8.54400e+03	95.4	95.4
6	-1.18488e+01	12.8	1.40393e+02	1.6	97.0
4	-1.12713e+01	12.2	1.27043e+02	1.4	98.4
2	-8.02472e+00	8.7	6.43961e+01	0.7	99.1
5	7.78104e+00	8.4	6.05446e+01	0.7	99.8
3	1.08596e+00	1.2	1.17931e+00	0.0	99.8

Direzione di Ingresso del Sisma 2 Angolo 0.0

Coefficienti di partecipazione e masse modali efficaci per i vari modi di vibrare:

Modo	Li(gi)	|Li|/|L1|	Emi=Li^2/Mi	Emi/EmTot	Sum.Emi/EmTot
7	9.24338e+01	100.0	8.54400e+03	95.4	95.4
12	-1.18488e+01	12.8	1.40393e+02	1.6	97.0
10	-1.12713e+01	12.2	1.27043e+02	1.4	98.4
8	-8.02472e+00	8.7	6.43961e+01	0.7	99.1
11	7.78104e+00	8.4	6.05446e+01	0.7	99.8
9	1.08596e+00	1.2	1.17931e+00	0.0	99.8

Direzione di Ingresso del Sisma 3 Angolo 90.0

Coefficienti di partecipazione e masse modali efficaci per i vari modi di vibrare:

Modo	Li(gi)	|Li|/|L1|	Emi=Li^2/Mi	Emi/EmTot	Sum.Emi/EmTot
15	6.25870e+01	100.0	3.91713e+03	43.7	43.7
16	-5.83839e+01	93.3	3.40868e+03	38.1	81.8
17	-3.95675e+01	63.2	1.56559e+03	17.5	99.3
18	-6.36750e+00	10.2	4.05450e+01	0.5	99.8
14	-2.67583e+00	4.3	7.16005e+00	0.1	99.8
13	1.29640e-01	0.2	1.68065e-02	0.0	99.8

Direzione di Ingresso del Sisma 4 Angolo 90.0

Coefficienti di partecipazione e masse modali efficaci per i vari modi di vibrare:

Modo	Li(gi)	|Li|/|L1|	Emi=Li^2/Mi	Emi/EmTot	Sum.Emi/EmTot
21	6.25870e+01	100.0	3.91713e+03	43.7	43.7
22	-5.83839e+01	93.3	3.40868e+03	38.1	81.8
23	-3.95675e+01	63.2	1.56559e+03	17.5	99.3
24	-6.36750e+00	10.2	4.05450e+01	0.5	99.8
20	-2.67583e+00	4.3	7.16005e+00	0.1	99.8
19	1.29640e-01	0.2	1.68065e-02	0.0	99.8

Direzione di Ingresso del Sisma 5 Angolo 180.0

Coefficienti di partecipazione e masse modali efficaci per i vari modi di vibrare:

Modo	Li(gi)	|Li|/|L1|	Emi=Li^2/Mi	Emi/EmTot	Sum.Emi/EmTot
25	9.24338e+01	100.0	8.54400e+03	95.4	95.4
30	-1.18487e+01	12.8	1.40391e+02	1.6	97.0
28	-1.12716e+01	12.2	1.27050e+02	1.4	98.4
26	-8.02472e+00	8.7	6.43961e+01	0.7	99.1
29	7.78072e+00	8.4	6.05397e+01	0.7	99.8
27	1.08607e+00	1.2	1.17956e+00	0.0	99.8

Direzione di Ingresso del Sisma 6 Angolo 180.0

Coefficienti di partecipazione e masse modali efficaci per i vari modi di vibrare:

Modo	Li(gi)	|Li|/|L1|	Emi=Li^2/Mi	Emi/EmTot	Sum.Emi/EmTot
31	9.24338e+01	100.0	8.54400e+03	95.4	95.4
36	-1.18487e+01	12.8	1.40391e+02	1.6	97.0
34	-1.12716e+01	12.2	1.27050e+02	1.4	98.4
32	-8.02472e+00	8.7	6.43961e+01	0.7	99.1
35	7.78072e+00	8.4	6.05397e+01	0.7	99.8
33	1.08607e+00	1.2	1.17956e+00	0.0	99.8

Direzione di Ingresso del Sisma 7 Angolo 270.0

Coefficienti di partecipazione e masse modali efficaci per i vari modi di vibrare:

Modo	Li(gi)	|Li|/|L1|	Emi=Li^2/Mi	Emi/EmTot	Sum.Emi/EmTot
39	6.25870e+01	100.0	3.91713e+03	43.7	43.7
40	-5.83839e+01	93.3	3.40868e+03	38.1	81.8
41	-3.95675e+01	63.2	1.56559e+03	17.5	99.3
42	-6.36750e+00	10.2	4.05450e+01	0.5	99.8
38	-2.67583e+00	4.3	7.16007e+00	0.1	99.8
37	1.29599e-01	0.2	1.67960e-02	0.0	99.8

Direzione di Ingresso del Sisma 8 Angolo 270.0

Coefficienti di partecipazione e masse modali efficaci per i vari modi di vibrare:

Modo	Li(gi)	|Li|/|L1|	Emi=Li^2/Mi	Emi/EmTot	Sum.Emi/EmTot
45	6.25870e+01	100.0	3.91713e+03	43.7	43.7
46	-5.83839e+01	93.3	3.40868e+03	38.1	81.8

Modo	Li(gi)	|Li|/|L1|	Emi=Li^2/Mi	Emi/EmTot	Sum.Emi/EmTot
47	-3.95675e+01	63.2	1.56559e+03	17.5	99.3
48	-6.36750e+00	10.2	4.05450e+01	0.5	99.8
44	-2.67583e+00	4.3	7.16007e+00	0.1	99.8
43	1.29599e-01	0.2	1.67960e-02	0.0	99.8

Direzione di Ingresso del Sisma 9 Angolo 0.0

Coefficienti di partecipazione e masse modali efficaci per i vari modi di vibrare:

Modo	Li(gi)	|Li|/|L1|	Emi=Li^2/Mi	Emi/EmTot	Sum.Emi/EmTot
49	9.24338e+01	100.0	8.54400e+03	95.4	95.4
54	-1.18488e+01	12.8	1.40393e+02	1.6	97.0
52	-1.12713e+01	12.2	1.27043e+02	1.4	98.4
50	-8.02472e+00	8.7	6.43961e+01	0.7	99.1
53	7.78104e+00	8.4	6.05446e+01	0.7	99.8
51	1.08596e+00	1.2	1.17931e+00	0.0	99.8

Direzione di Ingresso del Sisma 10 Angolo 0.0

Coefficienti di partecipazione e masse modali efficaci per i vari modi di vibrare:

Modo	Li(gi)	|Li|/|L1|	Emi=Li^2/Mi	Emi/EmTot	Sum.Emi/EmTot
55	9.24338e+01	100.0	8.54400e+03	95.4	95.4
60	-1.18488e+01	12.8	1.40393e+02	1.6	97.0
58	-1.12713e+01	12.2	1.27043e+02	1.4	98.4
56	-8.02472e+00	8.7	6.43961e+01	0.7	99.1
59	7.78104e+00	8.4	6.05446e+01	0.7	99.8
57	1.08596e+00	1.2	1.17931e+00	0.0	99.8

Direzione di Ingresso del Sisma 11 Angolo 90.0

Coefficienti di partecipazione e masse modali efficaci per i vari modi di vibrare:

Modo	Li(gi)	|Li|/|L1|	Emi=Li^2/Mi	Emi/EmTot	Sum.Emi/EmTot
63	6.25870e+01	100.0	3.91713e+03	43.7	43.7
64	-5.83839e+01	93.3	3.40868e+03	38.1	81.8
65	-3.95675e+01	63.2	1.56559e+03	17.5	99.3
66	-6.36750e+00	10.2	4.05450e+01	0.5	99.8
62	-2.67583e+00	4.3	7.16005e+00	0.1	99.8
61	1.29640e-01	0.2	1.68065e-02	0.0	99.8

Direzione di Ingresso del Sisma 12 Angolo 90.0

Coefficienti di partecipazione e masse modali efficaci per i vari modi di vibrare:

Modo	Li(gi)	|Li|/|L1|	Emi=Li^2/Mi	Emi/EmTot	Sum.Emi/EmTot
69	6.25870e+01	100.0	3.91713e+03	43.7	43.7
70	-5.83839e+01	93.3	3.40868e+03	38.1	81.8
71	-3.95675e+01	63.2	1.56559e+03	17.5	99.3
72	-6.36750e+00	10.2	4.05450e+01	0.5	99.8
68	-2.67583e+00	4.3	7.16005e+00	0.1	99.8
67	1.29640e-01	0.2	1.68065e-02	0.0	99.8

Direzione di Ingresso del Sisma 13 Angolo 180.0

Coefficienti di partecipazione e masse modali efficaci per i vari modi di vibrare:

Modo	Li(gi)	|Li|/|L1|	Emi=Li^2/Mi	Emi/EmTot	Sum.Emi/EmTot
73	9.24338e+01	100.0	8.54400e+03	95.4	95.4
78	-1.18487e+01	12.8	1.40391e+02	1.6	97.0
76	-1.12716e+01	12.2	1.27050e+02	1.4	98.4
74	-8.02472e+00	8.7	6.43961e+01	0.7	99.1
77	7.78072e+00	8.4	6.05397e+01	0.7	99.8
75	1.08607e+00	1.2	1.17956e+00	0.0	99.8

Direzione di Ingresso del Sisma 14 Angolo 180.0

Coefficienti di partecipazione e masse modali efficaci per i vari modi di vibrare:

Modo	Li(gi)	|Li|/|L1|	Emi=Li^2/Mi	Emi/EmTot	Sum.Emi/EmTot
79	9.24338e+01	100.0	8.54400e+03	95.4	95.4
84	-1.18487e+01	12.8	1.40391e+02	1.6	97.0
82	-1.12716e+01	12.2	1.27050e+02	1.4	98.4
80	-8.02472e+00	8.7	6.43961e+01	0.7	99.1
83	7.78072e+00	8.4	6.05397e+01	0.7	99.8
81	1.08607e+00	1.2	1.17956e+00	0.0	99.8

Direzione di Ingresso del Sisma 15 Angolo 270.0

Coefficienti di partecipazione e masse modali efficaci per i vari modi di vibrare:

Modo	Li(gi)	|Li|/|L1|	Emi=Li^2/Mi	Emi/EmTot	Sum.Emi/EmTot
87	6.25870e+01	100.0	3.91713e+03	43.7	43.7
88	-5.83839e+01	93.3	3.40868e+03	38.1	81.8
89	-3.95675e+01	63.2	1.56559e+03	17.5	99.3
90	-6.36750e+00	10.2	4.05450e+01	0.5	99.8

Modo	Li(gi)	|Li|/|L1|	Emi=Li^2/Mi	Emi/EmTot	Sum.Emi/EmTot
86	-2.67583e+00	4.3	7.16007e+00	0.1	99.8
85	1.29599e-01	0.2	1.67960e-02	0.0	99.8

Direzione di Ingresso del Sisma 16 Angolo 270.0

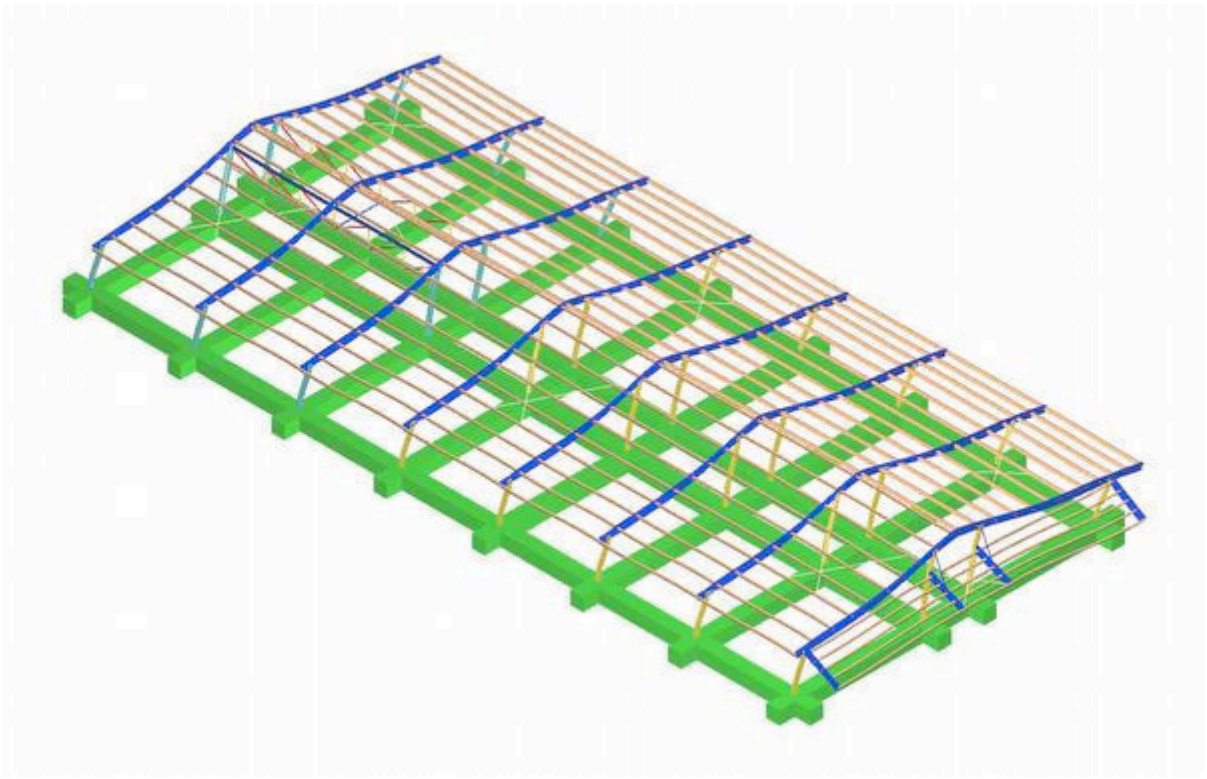
Coefficienti di partecipazione e masse modali efficaci per i vari modi di vibrare:

Modo	Li(gi)	|Li|/|L1|	Emi=Li^2/Mi	Emi/EmTot	Sum.Emi/EmTot
93	6.25870e+01	100.0	3.91713e+03	43.7	43.7
94	-5.83839e+01	93.3	3.40868e+03	38.1	81.8
95	-3.95675e+01	63.2	1.56559e+03	17.5	99.3
96	-6.36750e+00	10.2	4.05450e+01	0.5	99.8
92	-2.67583e+00	4.3	7.16007e+00	0.1	99.8
91	1.29599e-01	0.2	1.67960e-02	0.0	99.8

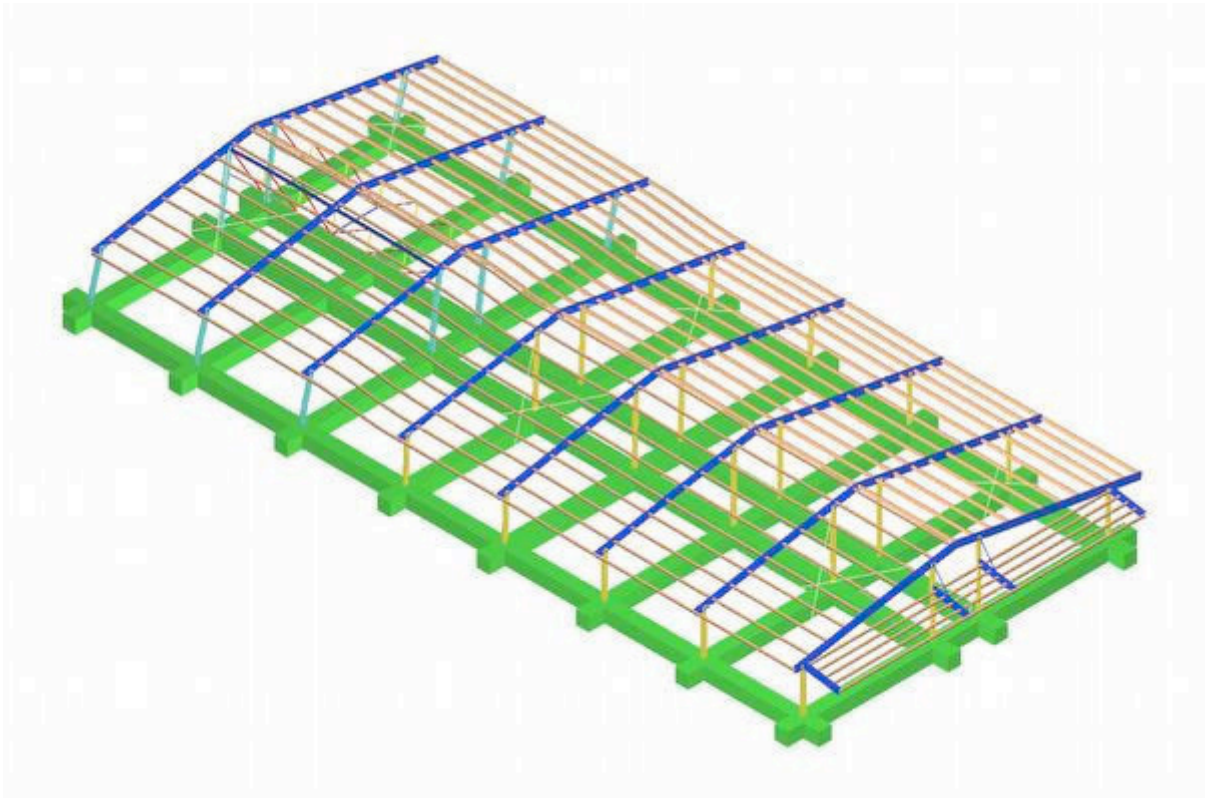
Azioni torcenti addizionali

- Baricentro delle masse libere : 22.108,9.842,3.680 [m]
- Massa totale : 89536.7 [kg]
- Momento d'inerzia polare Jz : 2098731.3 [kg m^2]

Dir. sisma [deg]	Momento Torcente [kNm]
0.0 [deg] SLV	402.08
0.0 [deg] SLV	-402.08
90.0 [deg] SLV	1211.06
90.0 [deg] SLV	-1211.06
180.0 [deg] SLV	402.08
180.0 [deg] SLV	-402.08
270.0 [deg] SLV	1211.06
270.0 [deg] SLV	-1211.06
0.0 [deg] SLD	145.68
0.0 [deg] SLD	-145.68
90.0 [deg] SLD	482.14
90.0 [deg] SLD	-482.14
180.0 [deg] SLD	145.68
180.0 [deg] SLD	-145.68
270.0 [deg] SLD	482.14
270.0 [deg] SLD	-482.14

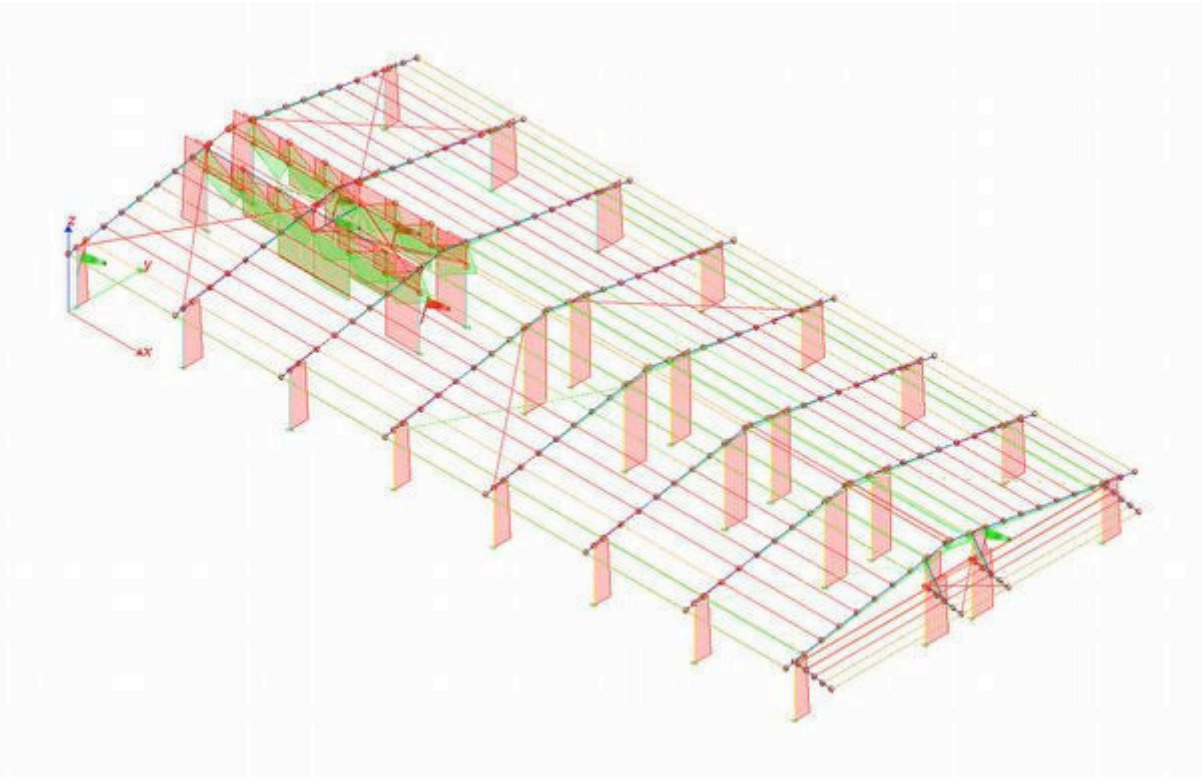


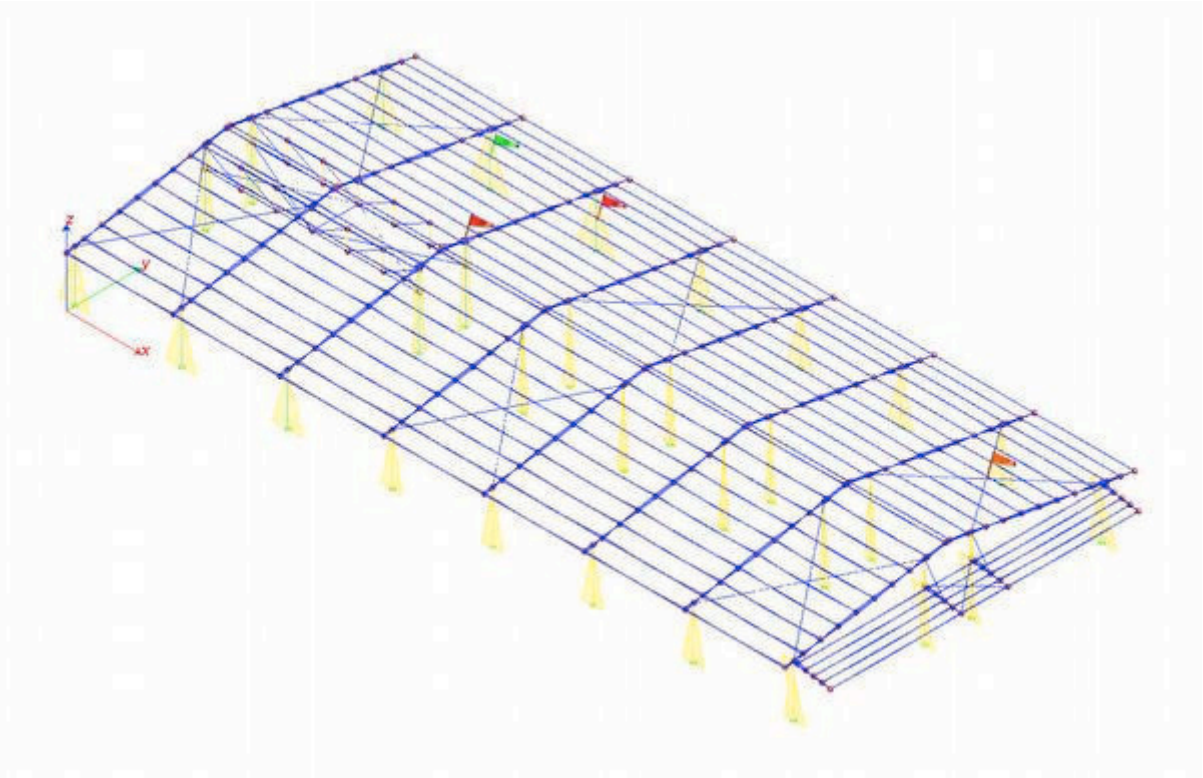
Deformata modale nella direzione 1 - alpha=0.0 [s] Sisma 0+SLU Modi impiegati: 1 : 0.62 [s] 95.4M.M.

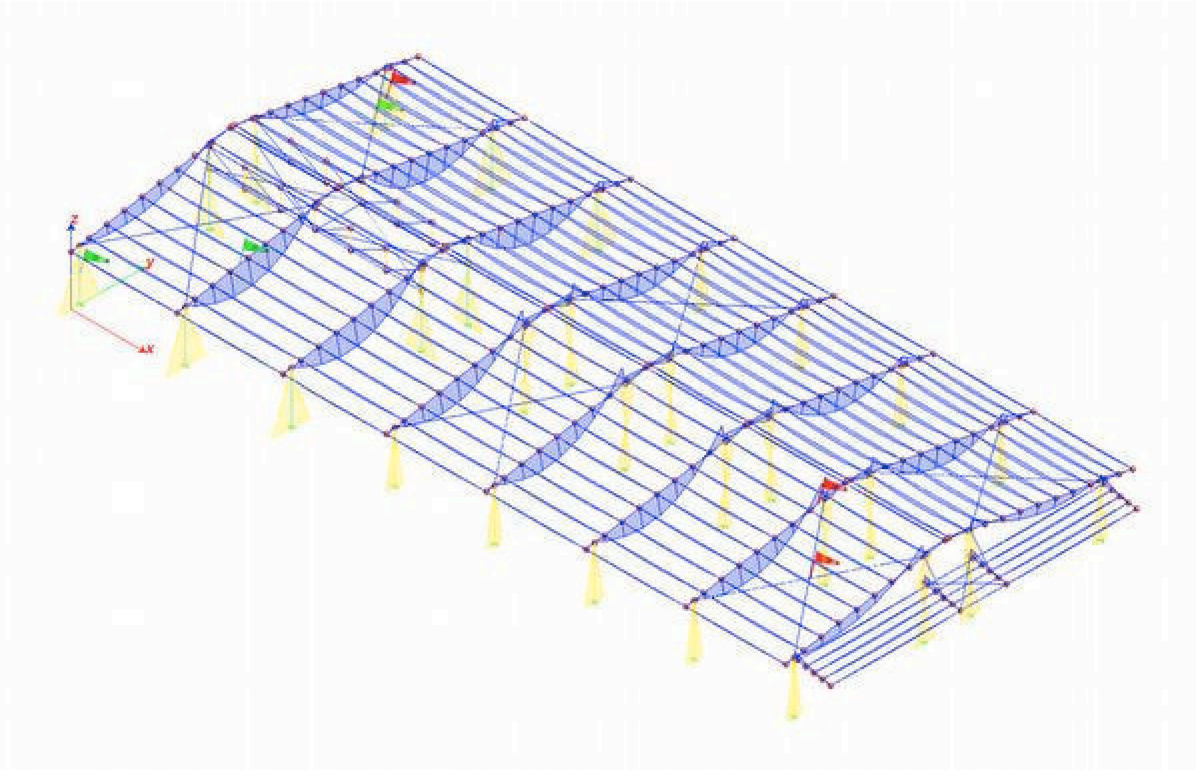


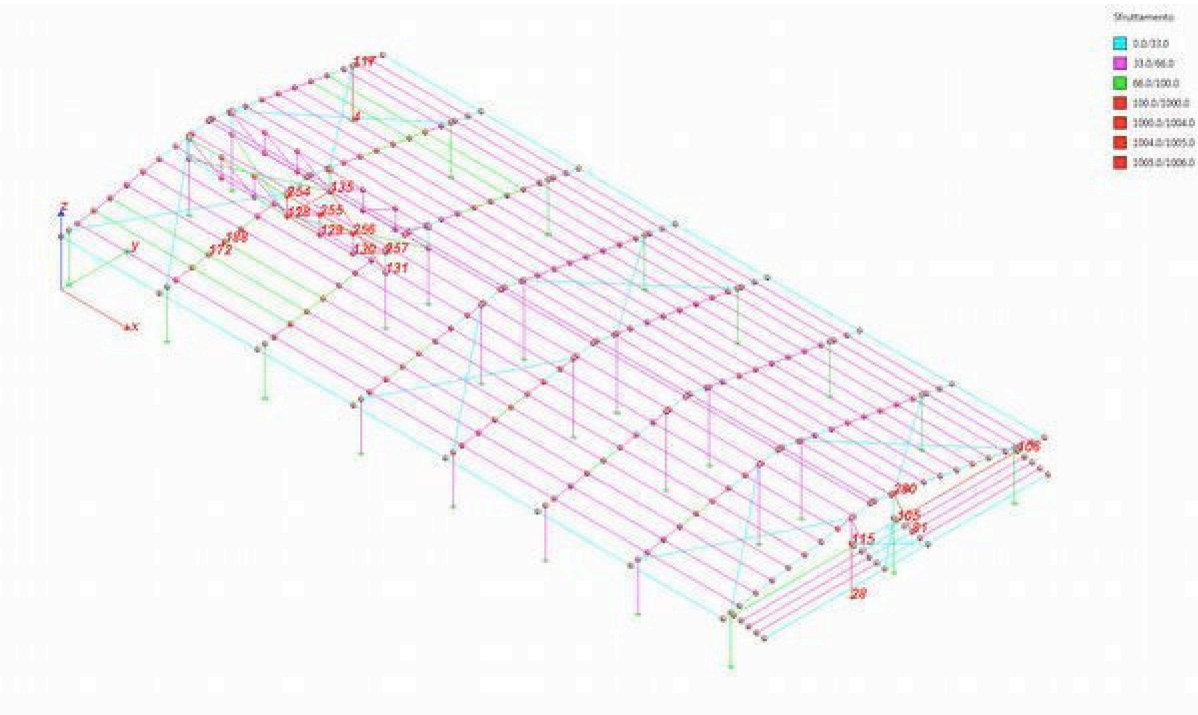
Deformata modale nella direzione 3 - alpha=90.0 [s] Sisma 90+SLU Modi impiegati: 15 : 0.41 [s] 43.7M.M.

Risultati principali in forma grafica






z
y
x


Sfruttamento
0.0/33.0
33.0/66.0
66.0/100.0
100.0/1000.0
1000.0/1004.0
1004.0/1005.0
1005.0/1006.0
z
y
x

Verifica SLD

Massimi spostamenti differenziali orizzontali

- Fattore moltiplicativo spostamenti dovuti al sisma b 1
- c 1
- Controllo degli spostamenti di interpiano dU inferiore a 0.005 H

Comb.	U_x		U_y		U_z		$\|U_{xyz}\|$	
	Nodi	U_x [mm]	Nodi	U_y [mm]	Nodi	U_z [mm]	Nodi	$\|U_{xyz}\|$ [mm]
39	36-280	21.0	36-280	2.9	35-279	-0.0	36-280	21.2
40	28-272	22.0	39-118	-4.8	33-277	0.0	23-267	22.1
41	36-280	21.2	14-108	4.8	32-276	-0.0	31-275	21.3
42	36-280	21.9	39-118	-2.8	35-279	0.0	36-280	22.0
43	20-114	6.2	39-118	10.7	35-279	-0.0	14-108	12.3
44	28-272	-8.0	39-118	10.8	35-279	-0.0	39-118	12.3
45	36-280	5.5	39-118	14.6	33-277	-0.0	39-118	15.3
46	28-272	-9.2	39-118	14.6	33-277	-0.0	39-118	14.8
47	36-280	-21.9	39-118	2.8	35-279	-0.0	36-280	22.0
48	36-280	-21.2	14-108	-4.8	32-276	0.0	31-275	21.3
49	28-272	-22.0	39-118	4.8	33-277	-0.0	23-267	22.1
50	36-280	-21.0	36-280	-2.9	35-279	0.0	36-280	21.2
51	28-272	9.2	39-118	-14.6	33-277	0.0	39-118	14.8
52	36-280	-5.5	39-118	-14.6	33-277	0.0	39-118	15.3
53	28-272	8.0	39-118	-10.8	35-279	0.0	39-118	12.3
54	20-114	-6.2	39-118	-10.7	35-279	0.0	14-108	12.3

Spostamenti Max in direzione U_x [mm]

Nodi	Comb.	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54
36 280	39	**21.0**	21.7	21.2	21.9	5.1	-7.8	5.5	-7.4	-21.9	-21.2	-21.7	-21.0	7.4	-5.5	7.8	-5.1
28 272	40	20.6	**22.0**	20.0	21.4	4.6	-8.0	3.4	-9.2	-21.4	-20.0	-22.0	-20.6	9.2	-3.4	8.0	-4.6
36 280	41	21.0	21.7	**21.2**	21.9	5.1	-7.8	5.5	-7.4	-21.9	-21.2	-21.7	-21.0	7.4	-5.5	7.8	-5.1
36 280	42	21.0	21.7	21.2	**21.9**	5.1	-7.8	5.5	-7.4	-21.9	-21.2	-21.7	-21.0	7.4	-5.5	7.8	-5.1
20 114	43	10.6	9.5	8.9	7.8	**6.2**	0.6	3.0	-2.5	-7.8	-8.9	-9.5	-10.6	2.5	-3.0	-0.6	-6.2
28 272	44	20.6	22.0	20.0	21.4	4.6	**-8.0**	3.4	-9.2	-21.4	-20.0	-22.0	-20.6	9.2	-3.4	8.0	-4.6
36 280	45	21.0	21.7	21.2	21.9	5.1	-7.8	**5.5**	-7.4	-21.9	-21.2	-21.7	-21.0	7.4	-5.5	7.8	-5.1
28 272	46	20.6	22.0	20.0	21.4	4.6	-8.0	3.4	**-9.2**	-21.4	-20.0	-22.0	-20.6	9.2	-3.4	8.0	-4.6
36 280	47	21.0	21.7	21.2	21.9	5.1	-7.8	5.5	-7.4	**-21.9**	-21.2	-21.7	-21.0	7.4	-5.5	7.8	-5.1
36 280	48	21.0	21.7	21.2	21.9	5.1	-7.8	5.5	-7.4	-21.9	**-21.2**	-21.7	-21.0	7.4	-5.5	7.8	-5.1
28 272	49	20.6	22.0	20.0	21.4	4.6	-8.0	3.4	-9.2	-21.4	-20.0	**-22.0**	-20.6	9.2	-3.4	8.0	-4.6
36 280	50	21.0	21.7	21.2	21.9	5.1	-7.8	5.5	-7.4	-21.9	-21.2	-21.7	**-21.0**	7.4	-5.5	7.8	-5.1
28 272	51	20.6	22.0	20.0	21.4	4.6	-8.0	3.4	-9.2	-21.4	-20.0	-22.0	-20.6	**9.2**	-3.4	8.0	-4.6
36 280	52	21.0	21.7	21.2	21.9	5.1	-7.8	5.5	-7.4	-21.9	-21.2	-21.7	-21.0	7.4	**-5.5**	7.8	-5.1
28 272	53	20.6	22.0	20.0	21.4	4.6	-8.0	3.4	-9.2	-21.4	-20.0	-22.0	-20.6	9.2	-3.4	**8.0**	-4.6
20 114	54	10.6	9.5	8.9	7.8	6.2	0.6	3.0	-2.5	-7.8	-8.9	-9.5	-10.6	2.5	-3.0	-0.6	**-6.2**

Spostamenti Max in direzione U_y [mm]

Nodi	Comb.	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54
36 280	39	**2.9**	-1.3	1.5	-2.7	8.4	8.3	5.7	5.7	2.7	-1.5	1.3	-2.9	-5.7	-5.7	-8.3	-8.4
39 118	40	2.8	**-4.8**	4.8	-2.8	10.7	10.8	14.6	14.6	2.8	-4.8	4.8	-2.8	-14.6	-14.6	-10.8	-10.7
14 108	41	2.8	-4.8	**4.8**	-2.8	10.7	10.7	14.6	14.6	2.8	-4.8	4.8	-2.8	-14.6	-14.6	-10.7	-10.7
39 118	42	2.8	-4.8	4.8	**-2.8**	10.7	10.8	14.6	14.6	2.8	-4.8	4.8	-2.8	-14.6	-14.6	-10.8	-10.7

39 118	43	2.8	-4.8	4.8	-2.8	**10.7**	10.8	14.6	14.6	2.8	-4.8	4.8	-2.8	-14.6	-14.6	-10.8	-10.7
39 118	44	2.8	-4.8	4.8	-2.8	10.7	**10.8**	14.6	14.6	2.8	-4.8	4.8	-2.8	-14.6	-14.6	-10.8	-10.7
39 118	45	2.8	-4.8	4.8	-2.8	10.7	10.8	**14.6**	14.6	2.8	-4.8	4.8	-2.8	-14.6	-14.6	-10.8	-10.7
39 118	46	2.8	-4.8	4.8	-2.8	10.7	10.8	14.6	**14.6**	2.8	-4.8	4.8	-2.8	-14.6	-14.6	-10.8	-10.7
39 118	47	2.8	-4.8	4.8	-2.8	10.7	10.8	14.6	14.6	**2.8**	-4.8	4.8	-2.8	-14.6	-14.6	-10.8	-10.7
14 108	48	2.8	-4.8	4.8	-2.8	10.7	10.7	14.6	14.6	2.8	**-4.8**	4.8	-2.8	-14.6	-14.6	-10.7	-10.7
39 118	49	2.8	-4.8	4.8	-2.8	10.7	10.8	14.6	14.6	2.8	-4.8	**4.8**	-2.8	-14.6	-14.6	-10.8	-10.7
36 280	50	2.9	-1.3	1.5	-2.7	8.4	8.3	5.7	5.7	2.7	-1.5	1.3	**-2.9**	-5.7	-5.7	-8.3	-8.4
39 118	51	2.8	-4.8	4.8	-2.8	10.7	10.8	14.6	14.6	2.8	-4.8	4.8	-2.8	**-14.6**	-14.6	-10.8	-10.7
39 118	52	2.8	-4.8	4.8	-2.8	10.7	10.8	14.6	14.6	2.8	-4.8	4.8	-2.8	-14.6	**-14.6**	-10.8	-10.7
39 118	53	2.8	-4.8	4.8	-2.8	10.7	10.8	14.6	14.6	2.8	-4.8	4.8	-2.8	-14.6	-14.6	**-10.8**	-10.7
39 118	54	2.8	-4.8	4.8	-2.8	10.7	10.8	14.6	14.6	2.8	-4.8	4.8	-2.8	-14.6	-14.6	-10.8	**-10.7**

Spostamenti Max in direzione U_z [mm]

Nodi	Comb.	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54
35 279	39	**-0.0**	0.0	-0.0	0.0	-0.0	-0.0	-0.0	-0.0	-0.0	0.0	-0.0	0.0	0.0	0.0	0.0	0.0
33 277	40	-0.0	**0.0**	-0.0	0.0	-0.0	-0.0	-0.0	-0.0	-0.0	0.0	-0.0	0.0	0.0	0.0	0.0	0.0
32 276	41	-0.0	0.0	**-0.0**	0.0	-0.0	-0.0	-0.0	-0.0	-0.0	0.0	-0.0	0.0	0.0	0.0	0.0	0.0
35 279	42	-0.0	0.0	-0.0	**0.0**	-0.0	-0.0	-0.0	-0.0	-0.0	0.0	-0.0	0.0	0.0	0.0	0.0	0.0
35 279	43	-0.0	0.0	-0.0	0.0	**-0.0**	-0.0	-0.0	-0.0	-0.0	0.0	-0.0	0.0	0.0	0.0	0.0	0.0
35 279	44	-0.0	0.0	-0.0	0.0	-0.0	**-0.0**	-0.0	-0.0	-0.0	0.0	-0.0	0.0	0.0	0.0	0.0	0.0
33 277	45	-0.0	0.0	-0.0	0.0	-0.0	-0.0	**-0.0**	-0.0	-0.0	0.0	-0.0	0.0	0.0	0.0	0.0	0.0
33 277	46	-0.0	0.0	-0.0	0.0	-0.0	-0.0	-0.0	**-0.0**	-0.0	0.0	-0.0	0.0	0.0	0.0	0.0	0.0
35 279	47	-0.0	0.0	-0.0	0.0	-0.0	-0.0	-0.0	-0.0	**-0.0**	0.0	-0.0	0.0	0.0	0.0	0.0	0.0
32 276	48	-0.0	0.0	-0.0	0.0	-0.0	-0.0	-0.0	-0.0	-0.0	**0.0**	-0.0	0.0	0.0	0.0	0.0	0.0
33 277	49	-0.0	0.0	-0.0	0.0	-0.0	-0.0	-0.0	-0.0	-0.0	0.0	**-0.0**	0.0	0.0	0.0	0.0	0.0
35 279	50	-0.0	0.0	-0.0	0.0	-0.0	-0.0	-0.0	-0.0	-0.0	0.0	-0.0	**0.0**	0.0	0.0	0.0	0.0
33 277	51	-0.0	0.0	-0.0	0.0	-0.0	-0.0	-0.0	-0.0	-0.0	0.0	-0.0	0.0	**0.0**	0.0	0.0	0.0
33 277	52	-0.0	0.0	-0.0	0.0	-0.0	-0.0	-0.0	-0.0	-0.0	0.0	-0.0	0.0	0.0	**0.0**	0.0	0.0
35 279	53	-0.0	0.0	-0.0	0.0	-0.0	-0.0	-0.0	-0.0	-0.0	0.0	-0.0	0.0	0.0	0.0	**0.0**	0.0
35 279	54	-0.0	0.0	-0.0	0.0	-0.0	-0.0	-0.0	-0.0	-0.0	0.0	-0.0	0.0	0.0	0.0	0.0	**0.0**

Spostamenti Max in direzione $|U_{xyz}|$ [mm]

Nodi	Comb.	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54
36 280	39	**21.2**	21.7	21.2	22.0	9.8	11.4	7.9	9.3	22.0	21.2	21.7	21.2	9.3	7.9	11.4	9.8
23 267	40	20.6	**22.1**	20.2	21.3	10.3	12.1	11.9	14.5	21.3	20.2	22.1	20.6	14.5	11.9	12.1	10.3
31 275	41	20.9	21.8	**21.3**	21.8	10.5	12.0	12.6	13.6	21.8	21.3	21.8	20.9	13.6	12.6	12.0	10.5
36 280	42	21.2	21.7	21.2	**22.0**	9.8	11.4	7.9	9.3	22.0	21.2	21.7	21.2	9.3	7.9	11.4	9.8
14 108	43	10.8	10.5	10.0	8.2	**12.3**	10.7	14.9	14.8	8.2	10.0	10.5	10.8	14.8	14.9	10.7	12.3
39 118	44	10.8	11.9	13.1	13.0	10.8	**12.3**	15.3	14.8	13.0	13.1	11.9	10.8	14.8	15.3	12.3	10.8
39 118	45	10.8	11.9	13.1	13.0	10.8	12.3	**15.3**	14.8	13.0	13.1	11.9	10.8	14.8	15.3	12.3	10.8
39 118	46	10.8	11.9	13.1	13.0	10.8	12.3	15.3	**14.8**	13.0	13.1	11.9	10.8	14.8	15.3	12.3	10.8
36 280	47	21.2	21.7	21.2	22.0	9.8	11.4	7.9	9.3	**22.0**	21.2	21.7	21.2	9.3	7.9	11.4	9.8
31 275	48	20.9	21.8	21.3	21.8	10.5	12.0	12.6	13.6	21.8	**21.3**	21.8	20.9	13.6	12.6	12.0	10.5
23 267	49	20.6	22.1	20.2	21.3	10.3	12.1	11.9	14.5	21.3	20.2	**22.1**	20.6	14.5	11.9	12.1	10.3
36 280	50	21.2	21.7	21.2	22.0	9.8	11.4	7.9	9.3	22.0	21.2	21.7	**21.2**	9.3	7.9	11.4	9.8
39 118	51	10.8	11.9	13.1	13.0	10.8	12.3	15.3	14.8	13.0	13.1	11.9	10.8	**14.8**	15.3	12.3	10.8
39 118	52	10.8	11.9	13.1	13.0	10.8	12.3	15.3	14.8	13.0	13.1	11.9	10.8	14.8	**15.3**	12.3	10.8
39 118	53	10.8	11.9	13.1	13.0	10.8	12.3	15.3	14.8	13.0	13.1	11.9	10.8	14.8	15.3	**12.3**	10.8
14 108	54	10.8	10.5	10.0	8.2	12.3	10.7	14.9	14.8	8.2	10.0	10.5	10.8	14.8	14.9	10.7	**12.3**

Spostamenti Massimi :

Combinazione di Carico 40 Fra i nodi 23 267 $|U_{xyz}|$ Spostamento 22.1 [mm]

Non si sono rilevati spostamenti di interpiano superiori a 0.005000 H

Verifiche sintetiche SLU ACCIAIO

VERIFICA PILASTRI SEZIONE 1 PROFILO HEB 180 COLONNE

Tipo di verifica da eseguire:

- Resistenza (Componenti Azioni Interna)..... : - N - Mx - My
- Instabilità Nel Piano 1/2 ..... : Profilo singolo
- Instabilità Nel Piano 1/3 ..... : Profilo singolo
- Pressoflessione (Componenti Azioni Interna). : N - Mx - My
- Instabilità Flesso-Torsionale ..... : Non richiesta

- Acciaio tipo ..... : ***S275***
- Tensione di Snervamento ..... : 275.0 [MPa]
- Tensione di Rottura ..... : 430.0 [MPa]

Asta		Luce [m]	Snellezza		Resistenza			Instabilità						Pressoflessione				Svergolamento	
Da	A		1/2	1/3	Classe	Sd/Sr	Comb.	Classe	Sd/Sr 1/2	Comb.	Sd/Sr 1/3	Comb.	Classe	Sd/Sr	Comb.	Classe	Sd/Sr	Comb.
16	110	3.100	40.5	67.9	1	0.566	9	1	0.070	2	0.093	2	1	0.508	9	3	0.000	0
17	111	3.100	40.5	67.9	1	0.555	9	1	0.069	2	0.092	2	1	0.487	10	3	0.000	0
18	112	3.100	40.5	67.9	1	0.570	9	1	0.069	2	0.092	2	1	0.511	9	3	0.000	0
19	113	3.100	40.5	67.9	1	0.578	9	1	0.069	2	0.092	2	1	0.522	9	3	0.000	0
20	114	3.100	40.5	67.9	1	0.612	3	1	0.062	4	0.083	4	1	0.672	3	3	0.000	0
24	268	4.480	58.5	98.1	1	0.515	2	1	0.105	4	0.179	4	1	0.449	2	3	0.000	0
25	269	4.480	58.5	98.1	1	0.492	2	1	0.105	4	0.178	4	1	0.433	2	3	0.000	0
26	270	4.480	58.5	98.1	1	0.494	2	1	0.104	4	0.176	4	1	0.433	2	3	0.000	0
27	271	4.480	58.5	98.1	1	0.477	2	1	0.104	4	0.178	4	1	0.424	2	3	0.000	0
32	276	4.480	58.5	98.1	1	0.500	4	1	0.092	2	0.156	2	1	0.424	4	3	0.000	0
33	277	4.480	58.5	98.1	1	0.476	4	1	0.092	2	0.156	2	1	0.408	4	3	0.000	0
34	278	4.480	58.5	98.1	1	0.479	4	1	0.091	2	0.154	2	1	0.409	4	3	0.000	0
35	279	4.480	58.5	98.1	1	0.458	4	1	0.091	2	0.156	2	1	0.398	4	3	0.000	0
41	120	3.100	40.5	67.9	1	0.711	12	1	0.097	4	0.130	4	1	0.627	11	3	0.000	0
42	121	3.100	40.5	67.9	1	0.730	12	1	0.095	4	0.127	4	1	0.647	12	3	0.000	0
43	122	3.100	40.5	67.9	1	0.729	12	1	0.095	4	0.127	4	1	0.646	12	3	0.000	0
44	123	3.100	40.5	67.9	1	0.716	12	1	0.096	4	0.128	4	1	0.624	12	3	0.000	0
45	124	3.100	40.5	67.9	1	0.770	17	1	0.075	2	0.101	2	1	0.680	3	3	0.000	0
28	115	3.100	40.5	67.9	1	0.682	3	1	0.095	1	0.127	1	1	0.793	3	3	0.000	0
115	272	1.380	18.0	30.2	1	0.336	2	1	0.059	1	0.064	1	1	0.316	14	3	0.000	0
36	116	3.100	40.5	67.9	1	0.679	3	1	0.090	1	0.120	1	1	0.784	3	3	0.000	0
116	280	1.380	18.0	30.2	1	0.325	14	1	0.055	1	0.059	1	1	0.319	23	3	0.000	0

VERIFICA PILASTRI SEZIONE 2 PROFILO _||_ Equal Flanges 2-50x5/10 MONTANTE CAPRIATA

Tipo di verifica da eseguire:

- Resistenza (Componenti Azioni Interna)..... : - N - Mx - My
- Instabilità Nel Piano 1/2 ..... : Profilo singolo
- Instabilità Nel Piano 1/3 ..... : Profilo singolo
- Pressoflessione (Componenti Azioni Interna). : N - Mx - My
- Instabilità Flesso-Torsionale ..... : Non richiesta

- Acciaio tipo ..... : ***S275***
- Tensione di Snervamento ..... : 275.0 [MPa]
- Tensione di Rottura ..... : 430.0 [MPa]

Asta		Luce	Snellezza	Resistenza	Instabilità	Pressoflessione	Svergolamento

Da	A	Luce [m]	Snellezza 1/2	Snellezza 1/3	Resistenza Classe	Resistenza Sd/Sr	Resistenza Comb.	Instabilità Classe	Instabilità Sd/Sr 1/2	Instabilità Comb.	Instabilità Sd/Sr 1/3	Instabilità Comb.	Pressoflessione Classe	Pressoflessione Sd/Sr	Pressoflessione Comb.	Svergolamento Classe	Svergolamento Sd/Sr	Svergolamento Comb.
126	252	1.150	76.2	47.3	3	0.263	3	3	0.429	3	0.322	3	3	0.429	3	3	0.000	0
127	253	1.150	76.2	47.3	3	0.260	3	3	0.423	3	0.318	3	3	0.423	3	3	0.000	0
129	255	1.150	76.2	47.3	3	0.277	1	3	0.452	1	0.339	1	3	0.452	1	3	0.000	0
130	256	1.150	76.2	47.3	3	0.281	1	3	0.458	1	0.344	1	3	0.458	1	3	0.000	0
133	259	1.150	76.2	47.3	3	0.245	3	3	0.399	3	0.299	3	3	0.399	3	3	0.000	0
134	260	1.150	76.2	47.3	3	0.241	3	3	0.392	3	0.295	3	3	0.392	3	3	0.000	0
136	262	1.150	76.2	47.3	3	0.259	1	3	0.421	1	0.316	1	3	0.421	1	3	0.000	0
137	263	1.150	76.2	47.3	3	0.262	1	3	0.428	1	0.321	1	3	0.428	1	3	0.000	0
128	254	1.150	76.2	47.3	3	0.495	1	3	0.807	1	0.606	1	3	0.807	1	3	0.000	0
135	261	1.150	76.2	47.3	3	0.460	1	3	0.749	1	0.563	1	3	0.749	1	3	0.000	0

VERIFICA PILASTRI SEZIONE 4 PROFILO HEB 200 COLONNE AUDITORIUM

Tipo di verifica da eseguire:

- Resistenza (Componenti Azioni Interna)..... : - N - Mx - My
- Instabilità Nel Piano 1/2 ..... : Profilo singolo
- Instabilità Nel Piano 1/3 ..... : Profilo singolo
- Pressoflessione (Componenti Azioni Interna). : N - Mx - My
- Instabilità Flesso-Torsionale ..... : Non richiesta

- Acciaio tipo ..... : ***S275***
- Tensione di Snervamento ..... : 275.0 [MPa]
- Tensione di Rottura ..... : 430.0 [MPa]

Da	A	Luce [m]	Snellezza 1/2	Snellezza 1/3	Resistenza Classe	Resistenza Sd/Sr	Resistenza Comb.	Instabilità Classe	Instabilità Sd/Sr 1/2	Instabilità Comb.	Instabilità Sd/Sr 1/3	Instabilità Comb.	Pressoflessione Classe	Pressoflessione Sd/Sr	Pressoflessione Comb.	Svergolamento Classe	Svergolamento Sd/Sr	Svergolamento Comb.
1	107	3.100	36.3	61.2	1	0.748	15	1	0.039	4	0.050	4	1	0.686	15	3	0.000	0
2	125	3.180	37.2	62.8	1	0.628	11	1	0.085	3	0.110	3	1	0.587	11	3	0.000	0
3	132	3.180	37.2	62.8	1	0.580	10	1	0.078	3	0.100	3	1	0.565	10	3	0.000	0
4	117	3.100	36.3	61.2	1	0.832	11	1	0.051	2	0.065	2	1	0.731	15	3	0.000	0
14	108	3.100	36.3	61.2	1	0.746	21	1	0.065	2	0.083	2	1	0.712	21	3	0.000	0
15	109	3.100	36.3	61.2	1	0.679	16	1	0.063	2	0.080	2	1	0.642	16	3	0.000	0
23	131	3.180	37.2	62.8	1	0.573	10	1	0.114	1	0.147	1	1	0.566	10	3	0.000	0
31	138	3.180	37.2	62.8	1	0.567	11	1	0.101	1	0.130	1	1	0.558	11	3	0.000	0
39	118	3.100	36.3	61.2	1	0.801	12	1	0.088	4	0.112	4	1	0.731	15	3	0.000	0
40	119	3.100	36.3	61.2	1	0.801	11	1	0.086	4	0.109	4	1	0.705	11	3	0.000	0
125	251	1.150	13.5	22.7	1	0.229	12	1	0.070	3	0.073	3	1	0.235	17	3	0.000	0
251	265	0.150	1.8	3.0	1	0.035	3	1	0.035	3	0.035	3	1	0.048	1	3	0.000	0
131	257	1.150	13.5	22.7	1	0.250	11	1	0.103	1	0.106	1	1	0.255	11	3	0.000	0
257	267	0.150	1.8	3.0	1	0.067	1	1	0.067	1	0.067	1	1	0.080	2	3	0.000	0
132	258	1.150	13.5	22.7	1	0.216	9	1	0.063	3	0.065	3	1	0.218	20	3	0.000	0
258	273	0.150	1.8	3.0	1	0.030	3	1	0.030	3	0.030	3	1	0.043	1	3	0.000	0
138	264	1.150	13.5	22.7	1	0.230	10	1	0.091	1	0.094	1	1	0.230	10	3	0.000	0
264	275	0.150	1.8	3.0	1	0.057	1	1	0.057	1	0.057	1	1	0.069	4	3	0.000	0

VERIFICA TRAVI SEZIONE 1 PROFILO IPE 330 TRAVI

Tipo di verifica da eseguire:

- Resistenza (Componenti Azioni Interna)..... : - N - Mx - My
- Instabilità Nel Piano 1/2 ..... : Profilo singolo
- Instabilità Nel Piano 1/3 ..... : Profilo singolo
- Pressoflessione (Componenti Azioni Interna). : N - Mx - My
- Instabilità Flesso-Torsionale ..... : A doppio T

- Acciaio tipo ..... : ***S275***

- Tensione di Snervamento ..... : 275.0 [MPa]
- Tensione di Rottura ..... : 430.0 [MPa]

Asta		Luce [m]	Snellezza		Resistenza			Instabilità					Pressoflessione			Svergolamento		
Da	A		1/2	1/3	Classe	Sd/Sr	Comb.	Classe	Sd/Sr 1/2	Comb.	Sd/Sr 1/3	Comb.	Classe	Sd/Sr	Comb.	Classe	Sd/Sr	Comb.
85	81	0.500	3.6	14.1	1	0.106	3	3	0.007	1	0.007	1	1	0.117	3	1	0.106	3
309	317	0.150	1.1	4.2	1	0.061	9	3	0.001	24	0.001	24	1	0.029	24	1	0.016	23
293	301	1.080	7.9	30.5	1	0.138	14	3	0.000	16	0.000	16	1	0.158	16	1	0.156	14
289	297	1.080	7.9	30.5	3	0.167	12	3	0.007	10	0.007	10	3	0.156	12	1	0.030	3
273	289	0.186	1.4	5.3	3	0.234	11	3	0.007	11	0.007	11	3	0.231	11	1	0.042	3
297	313	0.150	1.1	4.2	3	0.084	10	3	0.006	10	0.006	10	3	0.083	10	1	0.002	4
277	293	0.186	1.4	5.3	1	0.163	14	3	0.002	16	0.002	16	1	0.186	14	1	0.163	14
83	79	0.500	3.6	14.1	1	0.088	3	3	0.001	20	0.001	20	1	0.047	24	1	0.088	3
104	84	0.500	3.6	14.1	1	0.191	24	3	0.006	1	0.006	1	1	0.248	3	1	0.176	3
91	111	0.508	3.7	14.3	1	0.108	9	3	0.001	13	0.001	13	1	0.107	9	1	0.029	3
239	269	0.893	6.5	25.2	1	0.454	2	3	0.004	14	0.004	14	1	0.186	19	1	0.495	2
295	303	1.080	7.9	30.5	1	0.138	13	3	0.001	9	0.001	9	1	0.177	13	1	0.157	13
279	295	0.186	1.4	5.3	1	0.163	13	3	0.003	13	0.003	13	1	0.196	13	1	0.163	13
303	319	0.150	1.1	4.2	1	0.077	9	3	0.000	0	0.000	0	3	0.000	0	1	0.015	24
146	162	1.080	7.9	30.5	1	0.224	2	3	0.026	24	0.027	24	3	0.097	23	1	0.254	2
114	146	0.578	4.2	16.3	3	0.227	20	3	0.027	24	0.027	24	3	0.191	20	1	0.096	2
312	320	0.150	1.1	4.2	1	0.083	3	3	0.000	0	0.000	0	3	0.000	0	1	0.007	1
106	86	0.500	3.6	14.1	1	0.188	13	3	0.001	17	0.001	17	1	0.136	14	1	0.156	3
287	311	1.080	7.9	30.5	1	0.149	24	3	0.003	23	0.003	23	1	0.181	23	1	0.169	24
234	250	1.080	7.9	30.5	1	0.093	2	3	0.020	14	0.020	14	1	0.076	18	1	0.106	2
218	234	1.080	7.9	30.5	1	0.205	2	3	0.021	14	0.022	14	1	0.154	17	1	0.232	2
165	181	1.080	7.9	30.5	1	0.591	4	3	0.012	15	0.012	15	1	0.672	4	1	0.671	4
97	73	0.850	6.2	24.0	1	0.164	4	3	0.002	21	0.002	21	1	0.115	18	1	0.178	4
73	61	0.850	6.2	24.0	1	0.043	4	3	0.001	21	0.001	21	1	0.027	10	1	0.046	4
304	320	0.150	1.1	4.2	1	0.083	3	3	0.000	0	0.000	0	3	0.000	0	1	0.004	1
296	304	1.080	7.9	30.5	1	0.102	3	3	0.000	0	0.000	0	3	0.000	0	1	0.081	1
280	296	0.186	1.4	5.3	1	0.120	18	3	0.000	0	0.000	0	3	0.000	0	1	0.091	1
102	124	0.298	2.2	8.4	1	0.235	12	3	0.002	24	0.002	24	1	0.200	18	1	0.109	4
153	169	1.080	7.9	30.5	1	0.288	2	3	0.008	4	0.008	4	1	0.338	4	1	0.327	2
249	279	0.893	6.5	25.2	1	0.375	4	3	0.008	23	0.008	23	1	0.175	24	1	0.409	4
233	249	1.080	7.9	30.5	1	0.282	2	3	0.007	23	0.007	23	1	0.101	10	1	0.320	2
123	153	0.578	4.2	16.3	1	0.229	2	3	0.010	4	0.010	4	1	0.242	4	1	0.229	2
101	77	0.850	6.2	24.0	1	0.160	2	3	0.002	23	0.002	23	1	0.109	12	1	0.173	2
172	188	1.080	7.9	30.5	1	0.791	4	3	0.016	22	0.016	22	1	0.910	3	1	0.898	4
156	172	1.080	7.9	30.5	1	0.723	4	3	0.019	22	0.019	22	1	0.830	2	1	0.821	4
140	156	1.080	7.9	30.5	1	0.528	4	3	0.022	22	0.023	22	1	0.613	2	1	0.600	4
236	266	0.893	6.5	25.2	1	0.237	4	3	0.003	22	0.003	22	1	0.201	20	1	0.259	4
159	175	1.080	7.9	30.5	1	0.576	4	3	0.005	6	0.005	6	1	0.655	4	1	0.654	4
143	159	1.080	7.9	30.5	1	0.436	4	3	0.007	6	0.007	6	1	0.498	2	1	0.494	4
111	143	0.578	4.2	16.3	1	0.174	4	3	0.008	2	0.008	2	1	0.186	2	1	0.174	4
300	316	0.150	1.1	4.2	1	0.057	9	3	0.000	9	0.000	9	1	0.059	9	1	0.017	22
308	316	0.150	1.1	4.2	1	0.058	10	3	0.003	21	0.003	21	1	0.061	10	1	0.017	22
292	300	1.080	7.9	30.5	1	0.145	15	3	0.001	9	0.001	9	1	0.194	15	1	0.164	15
276	292	0.186	1.4	5.3	1	0.170	15	3	0.003	13	0.003	13	1	0.202	15	1	0.170	15
238	268	0.893	6.5	25.2	1	0.454	2	3	0.004	15	0.005	15	1	0.193	9	1	0.495	2
222	238	1.080	7.9	30.5	1	0.288	4	3	0.003	15	0.003	15	1	0.209	6	1	0.327	4
206	222	1.080	7.9	30.5	1	0.513	4	3	0.002	13	0.002	13	1	0.373	6	1	0.582	4
190	206	1.080	7.9	30.5	1	0.614	4	3	0.003	6	0.004	6	1	0.694	2	1	0.697	4
174	190	1.080	7.9	30.5	1	0.614	4	3	0.005	6	0.005	6	1	0.697	4	1	0.697	4
158	174	1.080	7.9	30.5	1	0.591	4	3	0.007	6	0.007	6	1	0.674	4	1	0.671	4
284	308	1.080	7.9	30.5	1	0.154	22	3	0.004	21	0.005	21	1	0.202	21	1	0.175	22
268	284	0.187	1.4	5.3	1	0.181	22	3	0.006	21	0.006	21	1	0.210	21	1	0.181	22
187	203	1.080	7.9	30.5	1	0.423	2	3	0.011	22	0.011	22	1	0.202	10	1	0.480	2
171	187	1.080	7.9	30.5	1	0.421	2	3	0.013	22	0.013	22	1	0.202	10	1	0.478	2
107	139	0.578	4.2	16.3	3	0.161	18	3	0.018	22	0.018	22	1	0.139	1	1	0.114	2
86	82	0.500	3.6	14.1	1	0.088	3	3	0.001	17	0.001	17	1	0.055	20	1	0.088	3
102	78	0.850	6.2	24.0	1	0.132	12	3	0.001	24	0.001	24	1	0.125	12	1	0.083	4
78	66	0.850	6.2	24.0	1	0.032	18	3	0.001	24	0.001	24	1	0.027	20	1	0.021	4
114	103	0.200	1.5	5.6	1	0.199	24	3	0.001	20	0.001	20	1	0.179	24	1	0.186	3
115	104	0.200	1.5	5.6	1	0.267	23	3	0.005	1	0.005	1	1	0.274	3	1	0.211	3
116	105	0.200	1.5	5.6	1	0.267	14	3	0.005	1	0.005	1	1	0.267	3	1	0.210	3
124	106	0.200	1.5	5.6	1	0.215	1	3	0.001	17	0.001	17	1	0.130	17	1	0.186	3

Asta		Luce [m]	Snellezza		Resistenza			Instabilità						Pressoflessione			Svergolamento	
Da	A		1/2	1/3	Classe	Sd/Sr	Comb.	Classe	Sd/Sr 1/2	Comb.	Sd/Sr 1/3	Comb.	Classe	Sd/Sr	Comb.	Classe	Sd/Sr	Comb.
103	83	0.500	3.6	14.1	1	0.202	24	3	0.001	20	0.001	20	1	0.189	24	1	0.156	3
105	85	0.500	3.6	14.1	1	0.195	14	3	0.006	1	0.006	1	1	0.243	3	1	0.175	3
79	67	0.514	3.7	14.5	1	0.040	3	3	0.000	20	0.000	20	1	0.032	24	1	0.040	3
217	233	1.080	7.9	30.5	1	0.463	2	3	0.005	23	0.005	23	1	0.188	12	1	0.525	2
201	217	1.080	7.9	30.5	1	0.524	2	3	0.004	23	0.004	23	1	0.383	8	1	0.595	2
185	201	1.080	7.9	30.5	1	0.524	2	3	0.004	8	0.004	8	1	0.594	4	1	0.595	2
169	185	1.080	7.9	30.5	1	0.466	2	3	0.006	8	0.006	8	1	0.535	2	1	0.529	2
101	123	0.298	2.2	8.4	1	0.229	2	3	0.003	23	0.003	23	1	0.210	12	1	0.229	2
271	287	0.187	1.4	5.3	1	0.191	4	3	0.005	23	0.005	23	1	0.198	23	1	0.191	4
67	55	0.514	3.7	14.5	1	0.025	23	3	0.000	20	0.000	20	1	0.020	24	1	0.010	3
81	69	0.514	3.7	14.5	1	0.067	1	3	0.002	14	0.002	14	3	0.036	14	1	0.067	1
69	57	0.514	3.7	14.5	3	0.038	14	3	0.002	14	0.002	14	3	0.028	14	1	0.018	1
142	158	1.080	7.9	30.5	1	0.447	4	3	0.009	2	0.009	2	1	0.515	2	1	0.507	4
110	142	0.578	4.2	16.3	1	0.179	4	3	0.011	2	0.011	2	1	0.191	2	1	0.179	4
90	110	0.508	3.7	14.3	1	0.114	10	3	0.001	16	0.001	16	1	0.109	19	1	0.029	4
248	278	0.893	6.5	25.2	1	0.372	4	3	0.008	24	0.008	24	1	0.172	24	1	0.406	4
232	248	1.080	7.9	30.5	1	0.286	2	3	0.007	24	0.007	24	1	0.105	12	1	0.325	2
216	232	1.080	7.9	30.5	1	0.468	2	3	0.005	24	0.005	24	1	0.340	8	1	0.532	2
124	154	0.578	4.2	16.3	3	0.170	17	3	0.028	14	0.028	14	1	0.156	18	1	0.101	3
305	313	0.150	1.1	4.2	3	0.080	9	3	0.006	10	0.006	10	3	0.079	9	1	0.002	3
281	305	1.080	7.9	30.5	3	0.151	9	3	0.007	10	0.008	10	3	0.145	9	1	0.070	3
265	281	0.187	1.4	5.3	3	0.219	10	3	0.008	10	0.008	10	3	0.217	10	1	0.081	3
167	183	1.080	7.9	30.5	1	0.472	2	3	0.005	8	0.005	8	1	0.538	2	1	0.536	2
183	199	1.080	7.9	30.5	1	0.530	2	3	0.003	8	0.003	8	1	0.599	4	1	0.602	2
199	215	1.080	7.9	30.5	1	0.530	2	3	0.003	24	0.003	24	1	0.386	8	1	0.602	2
215	231	1.080	7.9	30.5	1	0.468	2	3	0.004	24	0.004	24	1	0.180	18	1	0.531	2
231	247	1.080	7.9	30.5	1	0.285	2	3	0.005	24	0.005	24	1	0.103	18	1	0.323	2
121	151	0.578	4.2	16.3	1	0.223	3	3	0.009	4	0.009	4	1	0.233	1	1	0.223	3
99	121	0.298	2.2	8.4	1	0.223	3	3	0.003	24	0.003	24	1	0.203	18	1	0.223	3
92	112	0.508	3.7	14.3	1	0.114	10	3	0.001	14	0.001	14	1	0.113	9	1	0.030	3
240	270	0.893	6.5	25.2	1	0.450	2	3	0.005	14	0.005	14	1	0.191	14	1	0.491	2
224	240	1.080	7.9	30.5	1	0.277	4	3	0.004	14	0.004	14	1	0.087	17	1	0.315	4
208	224	1.080	7.9	30.5	1	0.497	4	3	0.002	14	0.002	14	1	0.361	6	1	0.564	4
192	208	1.080	7.9	30.5	1	0.597	4	3	0.002	6	0.003	6	1	0.437	6	1	0.677	4
176	192	1.080	7.9	30.5	1	0.597	4	3	0.004	6	0.004	6	1	0.675	2	1	0.678	4
160	176	1.080	7.9	30.5	1	0.576	4	3	0.006	6	0.006	6	1	0.656	4	1	0.654	4
144	160	1.080	7.9	30.5	1	0.435	4	3	0.007	2	0.008	2	1	0.499	2	1	0.494	4
95	71	0.850	6.2	24.0	1	0.125	11	3	0.002	21	0.002	21	1	0.109	12	1	0.085	4
71	59	0.850	6.2	24.0	1	0.025	12	3	0.001	21	0.001	21	1	0.024	12	1	0.020	4
112	144	0.578	4.2	16.3	1	0.174	4	3	0.010	2	0.010	2	1	0.191	2	1	0.174	4
98	120	0.298	2.2	8.4	1	0.224	2	3	0.003	21	0.003	21	1	0.205	12	1	0.224	2
182	198	1.080	7.9	30.5	1	0.547	2	3	0.006	8	0.006	8	1	0.623	2	1	0.621	2
166	182	1.080	7.9	30.5	1	0.487	2	3	0.007	8	0.007	8	1	0.556	2	1	0.552	2
150	166	1.080	7.9	30.5	1	0.304	2	3	0.010	4	0.010	4	1	0.353	4	1	0.345	2
246	276	0.893	6.5	25.2	1	0.376	4	3	0.008	21	0.008	21	1	0.172	10	1	0.410	4
230	246	1.080	7.9	30.5	1	0.297	2	3	0.007	21	0.007	21	1	0.216	8	1	0.337	2
139	155	1.080	7.9	30.5	1	0.284	2	3	0.017	22	0.017	22	1	0.332	4	1	0.323	2
227	243	1.080	7.9	30.5	1	0.288	4	3	0.005	16	0.005	16	1	0.104	17	1	0.327	4
194	210	1.080	7.9	30.5	1	0.285	4	3	0.022	24	0.022	24	1	0.172	20	1	0.324	4
178	194	1.080	7.9	30.5	1	0.288	4	3	0.023	24	0.024	24	1	0.171	20	1	0.327	4
162	178	1.080	7.9	30.5	1	0.287	4	3	0.025	24	0.025	24	1	0.149	20	1	0.325	4
80	68	0.514	3.7	14.5	1	0.067	1	3	0.002	24	0.002	24	1	0.038	23	1	0.067	1
68	56	0.514	3.7	14.5	3	0.032	24	3	0.002	23	0.002	23	3	0.024	23	1	0.018	1
84	80	0.500	3.6	14.1	1	0.107	3	3	0.007	1	0.007	1	1	0.115	3	1	0.107	3
82	70	0.514	3.7	14.5	1	0.040	3	3	0.000	17	0.000	17	1	0.034	14	1	0.040	3
70	58	0.514	3.7	14.5	1	0.024	14	3	0.000	17	0.000	17	1	0.021	14	1	0.010	3
149	165	1.080	7.9	30.5	1	0.365	4	3	0.014	15	0.015	15	1	0.423	4	1	0.415	4
220	236	1.080	7.9	30.5	1	0.548	4	3	0.006	22	0.006	22	1	0.159	10	1	0.622	4
204	220	1.080	7.9	30.5	1	0.731	4	3	0.009	22	0.010	22	1	0.541	6	1	0.830	4
188	204	1.080	7.9	30.5	1	0.788	4	3	0.013	22	0.013	22	1	0.907	4	1	0.895	4
108	140	0.578	4.2	16.3	3	0.226	10	3	0.024	22	0.024	22	1	0.222	2	1	0.206	4
88	108	0.508	3.7	14.3	1	0.140	10	3	0.001	16	0.001	16	1	0.128	19	1	0.038	1
282	306	1.080	7.9	30.5	1	0.090	1	3	0.006	2	0.006	2	1	0.117	3	1	0.102	1
266	282	0.187	1.4	5.3	1	0.143	20	3	0.008	2	0.008	2	1	0.155	20	1	0.128	1
306	314	0.150	1.1	4.2	3	0.043	11	3	0.004	6	0.004	6	3	0.043	11	1	0.001	22
87	107	0.508	3.7	14.3	1	0.137	10	3	0.001	15	0.001	15	1	0.109	9	1	0.011	4

Asta		Luce [m]	Snellezza		Resistenza			Instabilità						Pressoflessione					Svergolamento		
Da	A		1/2	1/3	Classe	Sd/Sr	Comb.	Classe	Sd/Sr 1/2	Comb.	Sd/Sr 1/3	Comb.	Classe	Sd/Sr	Comb.	Classe	Sd/Sr	Comb.
155	171	1.080	7.9	30.5	1	0.387	2	3	0.015	22	0.015	22	1	0.298	8	1	0.439	2
200	216	1.080	7.9	30.5	1	0.530	2	3	0.004	24	0.004	24	1	0.598	4	1	0.602	2
184	200	1.080	7.9	30.5	1	0.530	2	3	0.004	8	0.005	8	1	0.601	2	1	0.602	2
168	184	1.080	7.9	30.5	1	0.472	2	3	0.006	8	0.006	8	1	0.539	2	1	0.536	2
152	168	1.080	7.9	30.5	1	0.293	2	3	0.008	4	0.008	4	1	0.339	4	1	0.333	2
122	152	0.578	4.2	16.3	1	0.224	4	3	0.010	4	0.010	4	1	0.237	4	1	0.224	4
100	122	0.298	2.2	8.4	1	0.224	4	3	0.003	24	0.003	24	1	0.206	12	1	0.224	4
294	302	1.080	7.9	30.5	1	0.156	13	3	0.000	14	0.000	14	1	0.198	13	1	0.177	13
278	294	0.186	1.4	5.3	1	0.184	13	3	0.003	14	0.003	14	1	0.213	13	1	0.184	13
302	318	0.150	1.1	4.2	1	0.063	9	3	0.000	0	0.000	0	3	0.000	0	1	0.018	23
186	202	1.080	7.9	30.5	1	0.252	2	3	0.024	14	0.025	14	1	0.168	17	1	0.286	2
170	186	1.080	7.9	30.5	1	0.235	2	3	0.026	14	0.026	14	1	0.128	17	1	0.266	2
247	277	0.893	6.5	25.2	1	0.376	4	3	0.006	24	0.006	24	1	0.162	20	1	0.410	4
151	167	1.080	7.9	30.5	1	0.294	2	3	0.007	8	0.007	8	1	0.338	4	1	0.333	2
154	170	1.080	7.9	30.5	3	0.189	17	3	0.027	14	0.028	14	3	0.141	17	1	0.174	4
202	218	1.080	7.9	30.5	1	0.252	2	3	0.023	14	0.023	14	1	0.170	17	1	0.287	2
250	280	0.893	6.5	25.2	1	0.275	1	3	0.018	14	0.018	14	1	0.133	18	1	0.300	1
286	310	1.080	7.9	30.5	1	0.165	23	3	0.003	24	0.004	24	1	0.212	23	1	0.187	23
270	286	0.187	1.4	5.3	1	0.194	23	3	0.006	24	0.006	24	1	0.223	23	1	0.194	23
310	318	0.150	1.1	4.2	1	0.070	12	3	0.002	24	0.002	24	1	0.039	23	1	0.018	23
120	150	0.578	4.2	16.3	1	0.224	2	3	0.012	4	0.012	4	1	0.238	1	1	0.224	2
214	230	1.080	7.9	30.5	1	0.484	2	3	0.005	21	0.005	21	1	0.351	8	1	0.549	2
225	241	1.080	7.9	30.5	1	0.272	4	3	0.004	13	0.004	13	1	0.094	9	1	0.309	4
209	225	1.080	7.9	30.5	1	0.491	4	3	0.002	13	0.002	13	1	0.191	9	1	0.558	4
193	209	1.080	7.9	30.5	1	0.590	4	3	0.002	6	0.002	6	1	0.433	6	1	0.670	4
177	193	1.080	7.9	30.5	1	0.591	4	3	0.004	6	0.004	6	1	0.669	2	1	0.670	4
161	177	1.080	7.9	30.5	1	0.571	4	3	0.005	6	0.006	6	1	0.652	4	1	0.648	4
145	161	1.080	7.9	30.5	1	0.432	4	3	0.008	2	0.008	2	1	0.501	2	1	0.490	4
113	145	0.578	4.2	16.3	1	0.172	4	3	0.010	2	0.010	2	1	0.194	2	1	0.172	4
299	315	0.150	1.1	4.2	3	0.069	20	3	0.006	18	0.006	18	3	0.068	20	1	0.003	4
307	315	0.150	1.1	4.2	3	0.079	17	3	0.006	18	0.006	18	3	0.077	17	1	0.006	1
298	314	0.150	1.1	4.2	3	0.043	10	3	0.004	6	0.004	6	3	0.043	10	1	0.002	2
245	275	0.893	6.5	25.2	1	0.304	12	3	0.000	0	0.000	0	3	0.000	0	1	0.260	4
229	245	1.080	7.9	30.5	1	0.515	4	3	0.000	15	0.001	15	1	0.148	14	1	0.585	4
213	229	1.080	7.9	30.5	1	0.666	4	3	0.003	15	0.003	15	1	0.217	11	1	0.756	4
197	213	1.080	7.9	30.5	1	0.691	4	3	0.006	15	0.006	15	1	0.509	8	1	0.785	4
181	197	1.080	5.5	21.3	1	0.690	4	3	0.009	15	0.009	15	1	0.784	4	1	0.784	4
223	239	1.080	7.9	30.5	1	0.276	4	3	0.002	14	0.003	14	1	0.098	19	1	0.313	4
207	223	1.080	7.9	30.5	1	0.496	4	3	0.001	14	0.001	14	1	0.185	19	1	0.563	4
191	207	1.080	7.9	30.5	1	0.597	4	3	0.001	6	0.001	6	1	0.436	6	1	0.677	4
175	191	1.080	7.9	30.5	1	0.597	4	3	0.003	6	0.003	6	1	0.673	2	1	0.677	4
301	317	0.150	1.1	4.2	1	0.062	10	3	0.000	0	0.000	0	3	0.000	0	1	0.015	23
285	309	1.080	7.9	30.5	1	0.148	23	3	0.003	24	0.003	24	1	0.190	23	1	0.169	23
269	285	0.187	1.4	5.3	1	0.190	4	3	0.005	24	0.005	24	1	0.205	23	1	0.190	4
219	235	1.080	7.9	30.5	1	0.285	2	3	0.007	22	0.007	22	1	0.103	20	1	0.323	2
235	265	0.893	6.5	25.2	1	0.137	9	3	0.006	22	0.006	22	1	0.104	20	1	0.125	2
198	214	1.080	7.9	30.5	1	0.547	2	3	0.004	21	0.004	21	1	0.619	4	1	0.621	2
288	312	1.080	7.9	30.5	1	0.103	3	3	0.000	0	0.000	0	3	0.000	0	1	0.108	1
272	288	0.187	1.4	5.3	1	0.131	17	3	0.000	0	0.000	0	3	0.000	0	1	0.119	1
94	114	0.508	3.7	14.3	1	0.071	9	3	0.001	14	0.001	14	1	0.052	20	1	0.012	2
242	272	0.893	6.5	25.2	1	0.315	1	3	0.017	24	0.017	24	1	0.143	18	1	0.344	1
226	242	1.080	7.9	30.5	1	0.104	1	3	0.019	24	0.019	24	3	0.077	23	1	0.118	1
210	226	1.080	7.9	30.5	1	0.218	4	3	0.020	24	0.021	24	1	0.151	20	1	0.248	4
93	113	0.508	3.7	14.3	1	0.113	10	3	0.001	13	0.001	13	1	0.105	9	1	0.032	4
241	271	0.893	6.5	25.2	1	0.454	2	3	0.005	13	0.005	13	1	0.193	14	1	0.496	2
96	72	0.850	6.2	24.0	1	0.175	3	3	0.003	22	0.003	22	1	0.115	18	1	0.189	3
72	60	0.850	6.2	24.0	1	0.047	3	3	0.001	22	0.001	22	1	0.028	18	1	0.051	3
211	227	1.080	7.9	30.5	1	0.371	4	3	0.006	15	0.006	15	1	0.169	11	1	0.421	4
195	211	1.080	7.9	30.5	1	0.387	4	3	0.008	15	0.008	15	1	0.194	11	1	0.439	4
179	195	1.080	7.9	30.5	1	0.385	4	3	0.010	15	0.010	15	1	0.195	11	1	0.437	4
163	179	1.080	7.9	30.5	1	0.331	4	3	0.012	16	0.012	16	1	0.256	6	1	0.376	4
147	163	1.080	7.9	30.5	1	0.210	4	3	0.014	16	0.014	16	1	0.254	1	1	0.238	4
117	147	0.578	4.2	16.3	1	0.226	11	3	0.015	16	0.015	16	1	0.211	11	1	0.111	4
95	117	0.298	2.2	8.4	1	0.229	11	3	0.003	21	0.003	21	1	0.223	18	1	0.111	4
98	74	0.850	6.2	24.0	1	0.157	2	3	0.002	21	0.002	21	1	0.109	12	1	0.170	2
74	62	0.850	6.2	24.0	1	0.040	2	3	0.001	21	0.001	21	1	0.029	12	1	0.043	2

Asta		Luce [m]	Snellezza		Resistenza			Instabilità						Pressoflessione			Svergolamento	
Da	A		1/2	1/3	Classe	Sd/Sr	Comb.	Classe	Sd/Sr 1/2	Comb.	Sd/Sr 1/3	Comb.	Classe	Sd/Sr	Comb.	Classe	Sd/Sr	Comb.
99	75	0.850	6.2	24.0	1	0.156	3	3	0.002	24	0.002	24	1	0.106	18	1	0.169	3
203	219	1.080	7.9	30.5	1	0.387	2	3	0.009	22	0.009	22	1	0.172	10	1	0.440	2
77	65	0.850	6.2	24.0	1	0.042	2	3	0.001	23	0.001	23	1	0.033	12	1	0.046	2
311	319	0.150	1.1	4.2	1	0.081	12	3	0.001	23	0.001	23	1	0.082	12	1	0.016	24
75	63	0.850	6.2	24.0	1	0.040	3	3	0.001	24	0.001	24	1	0.031	18	1	0.044	3
100	76	0.850	6.2	24.0	1	0.157	4	3	0.002	24	0.002	24	1	0.109	12	1	0.169	4
76	64	0.850	6.2	24.0	1	0.040	2	3	0.001	24	0.001	24	1	0.034	12	1	0.044	2
119	149	0.578	4.2	16.3	1	0.235	4	3	0.016	15	0.016	15	1	0.254	1	1	0.235	4
97	119	0.298	2.2	8.4	1	0.235	4	3	0.003	21	0.003	21	1	0.229	18	1	0.235	4
291	299	1.080	7.9	30.5	3	0.172	20	3	0.006	18	0.006	18	3	0.159	18	1	0.073	1
275	291	0.186	1.4	5.3	1	0.305	12	3	0.007	19	0.007	19	1	0.271	17	1	0.100	1
283	307	1.080	7.9	30.5	1	0.134	1	3	0.007	18	0.007	18	3	0.122	20	1	0.152	1
267	283	0.187	1.4	5.3	1	0.265	9	3	0.008	18	0.008	18	1	0.243	20	1	0.181	1
89	109	0.508	3.7	14.3	1	0.144	10	3	0.001	15	0.001	15	1	0.116	11	1	0.031	2
237	267	0.893	6.5	25.2	1	0.266	9	3	0.001	21	0.001	21	1	0.084	24	1	0.208	2
221	237	1.080	7.9	30.5	1	0.507	2	3	0.004	21	0.004	21	1	0.152	10	1	0.576	2
205	221	1.080	7.9	30.5	1	0.698	2	3	0.006	21	0.006	21	1	0.243	18	1	0.792	2
189	205	1.080	7.9	30.5	1	0.763	2	3	0.009	21	0.009	21	1	0.562	6	1	0.866	2
173	189	1.080	7.9	30.5	1	0.762	2	3	0.012	21	0.012	21	1	0.864	2	1	0.865	2
157	173	1.080	7.9	30.5	1	0.701	2	3	0.015	21	0.015	21	1	0.797	2	1	0.796	2
141	157	1.080	7.9	30.5	1	0.515	2	3	0.017	21	0.018	21	1	0.593	2	1	0.585	2
109	141	0.578	4.2	16.3	3	0.228	10	3	0.019	21	0.019	21	1	0.216	2	1	0.203	2
290	298	1.080	7.9	30.5	3	0.089	12	3	0.005	2	0.005	2	1	0.096	3	1	0.082	1
274	290	0.186	1.4	5.3	1	0.146	17	3	0.008	2	0.008	2	1	0.156	17	1	0.106	1
96	118	0.298	2.2	8.4	1	0.251	3	3	0.004	22	0.004	22	1	0.238	18	1	0.251	3
244	274	0.893	6.5	25.2	1	0.240	17	3	0.000	16	0.000	16	1	0.081	16	1	0.253	2
228	244	1.080	7.9	30.5	1	0.511	2	3	0.003	16	0.003	16	1	0.150	17	1	0.580	2
212	228	1.080	7.9	30.5	1	0.662	2	3	0.006	16	0.006	16	1	0.490	8	1	0.752	2
196	212	1.080	7.9	30.5	1	0.687	2	3	0.009	16	0.010	16	1	0.792	2	1	0.780	2
180	196	1.080	7.9	30.5	1	0.690	2	3	0.013	16	0.013	16	1	0.795	3	1	0.783	2
164	180	1.080	7.9	30.5	1	0.589	2	3	0.016	16	0.016	16	1	0.678	4	1	0.668	2
148	164	1.080	7.9	30.5	1	0.360	2	3	0.019	16	0.019	16	1	0.422	4	1	0.409	2
118	148	0.578	4.2	16.3	1	0.251	3	3	0.021	16	0.021	16	1	0.273	1	1	0.251	3
243	273	0.893	6.5	25.2	1	0.147	12	3	0.003	16	0.003	16	1	0.099	19	1	0.151	4

VERIFICA TRAVI SEZIONE 2 PROFILO Tubi Ret V 90x180x4.0 ARCARECCI

Tipo di verifica da eseguire:

- Resistenza (Componenti Azioni Interna)..... : - N - Mx - My
- Instabilità Nel Piano 1/2 ..... : Profilo singolo
- Instabilità Nel Piano 1/3 ..... : Profilo singolo
- Pressoflessione (Componenti Azioni Interna). : N - Mx - My
- Instabilità Flesso-Torsionale ..... : Non richiesta

- Acciaio tipo ..... : ***S275***
- Tensione di Snervamento ..... : 275.0 [MPa]
- Tensione di Rottura ..... : 430.0 [MPa]

Asta		Luce [m]	Snellezza		Resistenza			Instabilità						Pressoflessione			Svergolamento	
Da	A		1/2	1/3	Classe	Sd/Sr	Comb.	Classe	Sd/Sr 1/2	Comb.	Sd/Sr 1/3	Comb.	Classe	Sd/Sr	Comb.	Classe	Sd/Sr	Comb.
59	60	6.385	99.5	169.3	1	0.266	1	3	0.000	0	0.000	0	3	0.000	0	3	0.000	0
60	61	6.385	99.5	169.3	1	0.266	1	3	0.002	23	0.004	23	3	0.082	23	3	0.000	0
61	62	6.230	97.1	165.2	1	0.253	1	3	0.003	15	0.007	15	3	0.087	16	3	0.000	0
62	63	6.010	93.6	159.3	1	0.236	1	3	0.004	15	0.009	15	3	0.079	16	3	0.000	0
63	64	6.010	93.6	159.3	1	0.236	1	3	0.004	15	0.008	15	2	0.079	16	3	0.000	0
64	65	6.010	93.6	159.3	1	0.236	1	3	0.002	15	0.005	15	3	0.067	14	3	0.000	0

Asta		Luce [m]	Snellezza		Resistenza			Instabilità					Pressoflessione			Svergolamento		
Da	A		1/2	1/3	Classe	Sd/Sr	Comb.	Classe	Sd/Sr 1/2	Comb.	Sd/Sr 1/3	Comb.	Classe	Sd/Sr	Comb.	Classe	Sd/Sr	Comb.
65	66	6.010	93.6	159.3	1	0.236	1	3	0.000	11	0.001	11	1	0.062	11	3	0.000	0
71	72	6.385	99.5	169.3	1	0.497	1	3	0.008	18	0.017	18	1	0.118	18	3	0.000	0
72	73	6.385	99.5	169.3	1	0.497	1	3	0.008	18	0.018	18	1	0.117	18	3	0.000	0
73	74	6.230	97.1	165.2	1	0.473	1	3	0.007	18	0.015	18	3	0.124	24	3	0.000	0
74	75	6.010	93.6	159.3	1	0.440	1	3	0.006	20	0.012	20	1	0.104	24	3	0.000	0
75	76	6.010	93.6	159.3	1	0.440	1	3	0.004	24	0.009	24	1	0.100	20	3	0.000	0
76	77	6.010	93.6	159.3	1	0.440	1	3	0.005	23	0.010	23	1	0.101	12	3	0.000	0
77	78	6.010	93.6	159.3	1	0.440	1	3	0.008	12	0.018	12	1	0.490	4	3	0.000	0
87	88	6.385	99.5	169.3	1	0.330	1	3	0.019	19	0.042	19	3	0.191	19	3	0.000	0
88	89	6.385	99.5	169.3	1	0.330	1	3	0.026	19	0.059	19	3	0.198	20	3	0.000	0
89	90	6.230	97.1	165.2	1	0.314	1	3	0.030	19	0.067	19	3	0.248	19	3	0.000	0
90	91	6.010	93.6	159.3	1	0.292	1	3	0.022	19	0.049	19	3	0.180	19	3	0.000	0
91	92	6.010	93.6	159.3	1	0.292	1	3	0.018	19	0.039	19	3	0.190	20	3	0.000	0
92	93	6.010	93.6	159.3	1	0.292	1	3	0.015	19	0.032	19	3	0.198	19	3	0.000	0
93	94	6.010	93.6	159.3	1	0.292	1	3	0.009	19	0.020	19	3	0.164	19	3	0.000	0
95	96	6.385	99.5	169.3	1	0.504	1	3	0.016	18	0.036	18	1	0.365	5	3	0.000	0
96	97	6.385	99.5	169.3	1	0.504	1	3	0.023	18	0.051	18	3	0.165	17	3	0.000	0
97	98	6.230	97.1	165.2	1	0.480	1	3	0.026	18	0.058	18	3	0.196	18	3	0.000	0
98	99	6.010	93.6	159.3	1	0.447	1	3	0.016	18	0.035	18	3	0.167	17	3	0.000	0
99	100	6.010	93.6	159.3	1	0.447	1	3	0.010	18	0.023	18	3	0.138	17	3	0.000	0
100	101	6.010	93.6	159.3	1	0.447	1	3	0.008	24	0.018	24	3	0.140	20	3	0.000	0
101	102	6.010	93.6	159.3	1	0.447	1	3	0.009	23	0.019	23	1	0.315	7	3	0.000	0
139	140	6.385	99.5	169.3	1	0.623	1	3	0.008	5	0.017	5	1	0.455	5	3	0.000	0
140	141	6.385	99.5	169.3	1	0.623	1	3	0.013	19	0.028	19	3	0.214	20	3	0.000	0
141	142	6.230	97.1	165.2	1	0.594	1	3	0.020	19	0.045	19	3	0.259	19	3	0.000	0
142	143	6.010	93.6	159.3	1	0.552	1	3	0.012	19	0.026	19	3	0.189	20	3	0.000	0
143	144	6.010	93.6	159.3	1	0.552	1	3	0.006	19	0.013	19	3	0.203	20	3	0.000	0
144	145	6.010	93.6	159.3	1	0.552	1	3	0.007	17	0.015	17	3	0.207	19	3	0.000	0
145	146	6.010	93.6	159.3	1	0.552	1	3	0.003	18	0.007	18	3	0.199	20	3	0.000	0
147	148	6.385	99.5	169.3	1	0.566	1	3	0.011	18	0.025	18	1	0.635	1	3	0.000	0
148	149	6.385	99.5	169.3	1	0.566	1	3	0.018	18	0.040	18	1	0.398	5	3	0.000	0
149	150	6.230	97.1	165.2	1	0.539	1	3	0.020	18	0.045	18	3	0.215	18	3	0.000	0
150	151	6.010	93.6	159.3	1	0.502	1	3	0.016	18	0.035	18	3	0.198	17	3	0.000	0
151	152	6.010	93.6	159.3	1	0.502	1	3	0.013	18	0.029	18	3	0.174	17	3	0.000	0
152	153	6.010	93.6	159.3	1	0.502	1	3	0.011	18	0.024	18	3	0.176	18	3	0.000	0
153	154	6.010	93.6	159.3	1	0.502	1	3	0.013	17	0.028	17	3	0.209	17	3	0.000	0
155	156	6.385	99.5	169.3	1	0.622	1	3	0.003	5	0.007	5	1	0.713	1	3	0.000	0
156	157	6.385	99.5	169.3	1	0.622	1	3	0.002	5	0.005	5	1	0.681	1	3	0.000	0
157	158	6.230	97.1	165.2	1	0.592	1	3	0.002	11	0.004	11	1	0.415	5	3	0.000	0
158	159	6.010	93.6	159.3	1	0.551	1	3	0.002	19	0.004	19	3	0.137	20	3	0.000	0
159	160	6.010	93.6	159.3	1	0.551	1	3	0.002	19	0.004	19	1	0.386	7	3	0.000	0
160	161	6.010	93.6	159.3	1	0.551	1	3	0.002	18	0.004	18	1	0.385	7	3	0.000	0
161	162	6.010	93.6	159.3	1	0.551	1	3	0.004	7	0.008	7	1	0.629	3	3	0.000	0
163	164	6.385	99.5	169.3	1	0.622	1	3	0.003	5	0.007	5	1	0.711	1	3	0.000	0
164	165	6.385	99.5	169.3	1	0.622	1	3	0.003	17	0.007	17	1	0.681	1	3	0.000	0
165	166	6.230	97.1	165.2	1	0.592	1	3	0.002	18	0.005	18	1	0.415	5	3	0.000	0
166	167	6.010	93.6	159.3	1	0.551	1	3	0.003	18	0.007	18	3	0.156	17	3	0.000	0
167	168	6.010	93.6	159.3	1	0.551	1	3	0.003	18	0.008	18	1	0.386	7	3	0.000	0
168	169	6.010	93.6	159.3	1	0.551	1	3	0.003	17	0.007	17	1	0.385	7	3	0.000	0
169	170	6.010	93.6	159.3	1	0.551	1	3	0.003	7	0.007	7	1	0.627	3	3	0.000	0
171	172	6.385	99.5	169.3	1	0.622	1	3	0.005	1	0.012	1	1	0.724	1	3	0.000	0
172	173	6.385	99.5	169.3	1	0.622	1	3	0.006	10	0.014	10	1	0.681	1	3	0.000	0
173	174	6.230	97.1	165.2	1	0.592	1	3	0.004	10	0.008	10	1	0.652	1	3	0.000	0
174	175	6.010	93.6	159.3	1	0.551	1	3	0.003	10	0.007	10	1	0.607	1	3	0.000	0
175	176	6.010	93.6	159.3	1	0.551	1	3	0.003	10	0.007	10	1	0.610	3	3	0.000	0
176	177	6.010	93.6	159.3	1	0.551	1	3	0.003	3	0.007	3	1	0.604	3	3	0.000	0
177	178	6.010	93.6	159.3	1	0.551	1	3	0.003	7	0.007	7	1	0.635	3	3	0.000	0
179	180	6.385	99.5	169.3	1	0.622	1	3	0.006	1	0.013	1	1	0.724	1	3	0.000	0
180	181	6.385	99.5	169.3	1	0.622	1	3	0.006	11	0.014	11	1	0.682	1	3	0.000	0
181	182	6.230	97.1	165.2	1	0.592	1	3	0.003	11	0.008	11	1	0.652	1	3	0.000	0
182	183	6.010	93.6	159.3	1	0.551	1	3	0.003	11	0.006	11	1	0.606	1	3	0.000	0
183	184	6.010	93.6	159.3	1	0.551	1	3	0.003	11	0.006	11	1	0.609	3	3	0.000	0
184	185	6.010	93.6	159.3	1	0.551	1	3	0.003	11	0.007	11	1	0.604	3	3	0.000	0
185	186	6.010	93.6	159.3	1	0.551	1	3	0.003	7	0.007	7	1	0.635	3	3	0.000	0
187	188	6.385	99.5	169.3	1	0.622	1	3	0.006	20	0.013	20	1	0.141	19	3	0.000	0
188	189	6.385	99.5	169.3	1	0.622	1	3	0.015	20	0.033	20	1	0.679	1	3	0.000	0

Asta		Luce [m]	Snellezza		Resistenza			Instabilità						Pressoflessione			Svergolamento		
Da	A		1/2	1/3	Classe	Sd/Sr	Comb.	Classe	Sd/Sr 1/2	Comb.	Sd/Sr 1/3	Comb.	Classe	Sd/Sr	Comb.	Classe	Sd/Sr	Comb.
189	190	6.230	97.1	165.2	1	0.592	1	3	0.008	20	0.018	20	1	0.651	1	3	0.000	0
190	191	6.010	93.6	159.3	1	0.551	1	3	0.004	20	0.008	20	1	0.606	1	3	0.000	0
191	192	6.010	93.6	159.3	1	0.551	1	3	0.002	7	0.004	7	1	0.609	3	3	0.000	0
192	193	6.010	93.6	159.3	1	0.551	1	3	0.002	7	0.004	7	1	0.601	3	3	0.000	0
193	194	6.010	93.6	159.3	1	0.551	1	3	0.002	7	0.005	7	1	0.636	3	3	0.000	0
195	196	6.385	99.5	169.3	1	0.622	1	3	0.006	17	0.014	17	1	0.143	18	3	0.000	0
196	197	6.385	99.5	169.3	1	0.622	1	3	0.017	17	0.037	17	1	0.435	5	3	0.000	0
197	198	6.230	97.1	165.2	1	0.592	1	3	0.009	17	0.020	17	1	0.650	1	3	0.000	0
198	199	6.010	93.6	159.3	1	0.551	1	3	0.004	17	0.009	17	1	0.605	1	3	0.000	0
199	200	6.010	93.6	159.3	1	0.551	1	3	0.002	7	0.003	7	1	0.608	3	3	0.000	0
200	201	6.010	93.6	159.3	1	0.551	1	3	0.002	7	0.004	7	1	0.600	3	3	0.000	0
201	202	6.010	93.6	159.3	1	0.551	1	3	0.002	11	0.005	11	1	0.636	3	3	0.000	0
203	204	6.385	99.5	169.3	1	0.622	1	3	0.000	0	0.000	0	3	0.000	0	3	0.000	0
204	205	6.385	99.5	169.3	1	0.622	1	3	0.000	0	0.000	0	3	0.000	0	3	0.000	0
205	206	6.230	97.1	165.2	1	0.592	1	3	0.001	1	0.002	1	1	0.650	1	3	0.000	0
206	207	6.010	93.6	159.3	1	0.551	1	3	0.002	9	0.004	9	1	0.606	2	3	0.000	0
207	208	6.010	93.6	159.3	1	0.551	1	3	0.003	9	0.006	9	1	0.609	3	3	0.000	0
208	209	6.010	93.6	159.3	1	0.551	1	3	0.003	9	0.007	9	1	0.601	3	3	0.000	0
209	210	6.010	93.6	159.3	1	0.551	1	3	0.003	9	0.007	9	1	0.637	3	3	0.000	0
211	212	6.385	99.5	169.3	1	0.622	1	3	0.000	0	0.000	0	3	0.000	0	3	0.000	0
212	213	6.385	99.5	169.3	1	0.622	1	3	0.000	0	0.000	0	3	0.000	0	3	0.000	0
213	214	6.230	97.1	165.2	1	0.592	1	3	0.001	1	0.002	1	1	0.650	1	3	0.000	0
214	215	6.010	93.6	159.3	1	0.551	1	3	0.002	12	0.004	12	1	0.606	4	3	0.000	0
215	216	6.010	93.6	159.3	1	0.551	1	3	0.003	12	0.007	12	1	0.609	3	3	0.000	0
216	217	6.010	93.6	159.3	1	0.551	1	3	0.004	12	0.008	12	1	0.600	3	3	0.000	0
217	218	6.010	93.6	159.3	1	0.551	1	3	0.003	12	0.008	12	1	0.637	3	3	0.000	0
219	220	6.385	99.5	169.3	1	0.622	1	3	0.000	0	0.000	0	3	0.000	0	3	0.000	0
220	221	6.385	99.5	169.3	1	0.622	1	3	0.000	0	0.000	0	3	0.000	0	3	0.000	0
221	222	6.230	97.1	165.2	1	0.592	1	3	0.005	9	0.010	9	1	0.650	4	3	0.000	0
222	223	6.010	93.6	159.3	1	0.551	1	3	0.002	10	0.005	10	1	0.604	3	3	0.000	0
223	224	6.010	93.6	159.3	1	0.551	1	3	0.002	12	0.004	12	1	0.606	3	3	0.000	0
224	225	6.010	93.6	159.3	1	0.551	1	3	0.002	10	0.004	10	1	0.599	3	3	0.000	0
225	226	6.010	93.6	159.3	1	0.551	1	3	0.003	9	0.006	9	1	0.636	2	3	0.000	0
227	228	6.385	99.5	169.3	1	0.622	1	3	0.000	0	0.000	0	3	0.000	0	3	0.000	0
228	229	6.385	99.5	169.3	1	0.622	1	3	0.000	0	0.000	0	3	0.000	0	3	0.000	0
229	230	6.230	97.1	165.2	1	0.592	1	3	0.005	12	0.011	12	1	0.650	2	3	0.000	0
230	231	6.010	93.6	159.3	1	0.551	1	3	0.002	11	0.005	11	1	0.604	3	3	0.000	0
231	232	6.010	93.6	159.3	1	0.551	1	3	0.002	13	0.003	13	1	0.606	3	3	0.000	0
232	233	6.010	93.6	159.3	1	0.551	1	3	0.002	11	0.004	11	1	0.599	3	3	0.000	0
233	234	6.010	93.6	159.3	1	0.551	1	3	0.003	12	0.006	12	1	0.636	4	3	0.000	0
235	236	6.385	99.5	169.3	1	0.622	1	3	0.000	0	0.000	0	3	0.000	0	3	0.000	0
236	237	6.385	99.5	169.3	1	0.622	1	3	0.000	0	0.000	0	3	0.000	0	3	0.000	0
237	238	6.230	97.1	165.2	1	0.592	1	3	0.028	20	0.063	20	3	0.185	20	3	0.000	0
238	239	6.010	93.6	159.3	1	0.551	1	3	0.024	20	0.052	20	3	0.172	19	3	0.000	0
239	240	6.010	93.6	159.3	1	0.551	1	3	0.019	20	0.041	20	3	0.148	19	3	0.000	0
240	241	6.010	93.6	159.3	1	0.551	1	3	0.010	20	0.023	20	3	0.138	20	3	0.000	0
241	242	6.010	93.6	159.3	1	0.551	1	3	0.005	24	0.011	24	1	0.124	24	3	0.000	0
243	244	6.385	99.5	169.3	1	0.622	1	3	0.000	0	0.000	0	3	0.000	0	3	0.000	0
244	245	6.385	99.5	169.3	1	0.622	1	3	0.000	0	0.000	0	3	0.000	0	3	0.000	0
245	246	6.230	97.1	165.2	1	0.592	1	3	0.039	17	0.086	17	3	0.242	17	3	0.000	0
246	247	6.010	93.6	159.3	1	0.551	1	3	0.034	17	0.073	17	3	0.177	18	3	0.000	0
247	248	6.010	93.6	159.3	1	0.551	1	3	0.027	17	0.058	17	3	0.181	17	3	0.000	0
248	249	6.010	93.6	159.3	1	0.551	1	3	0.018	17	0.040	17	3	0.172	17	3	0.000	0
249	250	6.010	93.6	159.3	1	0.551	1	3	0.008	17	0.019	17	1	0.127	14	3	0.000	0
281	282	6.385	99.5	169.3	1	0.622	1	3	0.000	0	0.000	0	3	0.000	0	3	0.000	0
282	283	6.385	99.5	169.3	1	0.622	1	3	0.000	0	0.000	0	3	0.000	0	3	0.000	0
283	284	6.230	97.1	165.2	1	0.592	1	3	0.082	20	0.182	20	3	0.290	20	3	0.000	0
284	285	6.010	93.6	159.3	1	0.551	1	3	0.053	20	0.116	20	3	0.206	20	3	0.000	0
285	286	6.010	93.6	159.3	1	0.551	1	3	0.037	20	0.081	20	3	0.175	20	3	0.000	0
286	287	6.010	93.6	159.3	1	0.551	1	3	0.018	20	0.040	20	3	0.157	24	3	0.000	0
287	288	6.010	93.6	159.3	1	0.551	1	3	0.009	24	0.021	24	1	0.126	24	3	0.000	0
289	290	6.385	99.5	169.3	1	0.622	1	3	0.000	0	0.000	0	3	0.000	0	3	0.000	0
290	291	6.385	99.5	169.3	1	0.622	1	3	0.000	0	0.000	0	3	0.000	0	3	0.000	0
291	292	6.230	97.1	165.2	1	0.592	1	3	0.111	17	0.246	17	3	0.399	17	3	0.000	0
292	293	6.010	93.6	159.3	1	0.551	1	3	0.072	17	0.157	17	1	0.243	17	3	0.000	0
293	294	6.010	93.6	159.3	1	0.551	1	3	0.050	17	0.109	17	3	0.217	17	3	0.000	0

Asta		Luce [m]	Snellezza		Resistenza			Instabilità					Pressoflessione			Svergolamento		
Da	A		1/2	1/3	Classe	Sd/Sr	Comb.	Classe	Sd/Sr 1/2	Comb.	Sd/Sr 1/3	Comb.	Classe	Sd/Sr	Comb.	Classe	Sd/Sr	Comb.
294	295	6.010	93.6	159.3	1	0.551	1	3	0.035	17	0.077	17	3	0.199	17	3	0.000	0
295	296	6.010	93.6	159.3	1	0.551	1	3	0.020	17	0.044	17	3	0.144	17	3	0.000	0
297	298	6.385	99.5	169.3	1	0.410	1	3	0.000	0	0.000	0	3	0.000	0	3	0.000	0
305	306	6.385	99.5	169.3	1	0.410	1	3	0.000	0	0.000	0	3	0.000	0	3	0.000	0
298	299	6.385	99.5	169.3	1	0.410	1	3	0.000	0	0.000	0	3	0.000	0	3	0.000	0
306	307	6.385	99.5	169.3	1	0.410	1	3	0.000	0	0.000	0	3	0.000	0	3	0.000	0
299	300	6.230	97.1	165.2	1	0.390	1	3	0.005	17	0.012	17	3	0.145	14	3	0.000	0
307	308	6.230	97.1	165.2	1	0.390	1	3	0.003	24	0.008	24	3	0.135	23	3	0.000	0
300	301	6.010	93.6	159.3	1	0.363	1	3	0.010	17	0.022	17	1	0.258	7	3	0.000	0
308	309	6.010	93.6	159.3	1	0.363	1	3	0.008	20	0.016	20	3	0.098	24	3	0.000	0
301	302	6.010	93.6	159.3	1	0.363	1	3	0.009	17	0.020	17	1	0.261	7	3	0.000	0
309	310	6.010	93.6	159.3	1	0.363	1	3	0.008	20	0.018	20	1	0.261	7	3	0.000	0
302	303	6.010	93.6	159.3	1	0.363	1	3	0.009	17	0.019	17	1	0.401	3	3	0.000	0
310	311	6.010	93.6	159.3	1	0.363	1	3	0.005	20	0.011	20	1	0.400	3	3	0.000	0
303	304	6.010	93.6	159.3	1	0.363	1	3	0.017	3	0.036	3	1	0.432	3	3	0.000	0
311	312	6.010	93.6	159.3	1	0.363	1	3	0.017	3	0.037	3	1	0.432	3	3	0.000	0
55	56	7.830	122.0	207.6	1	0.278	1	3	0.010	13	0.025	13	1	0.082	14	3	0.000	0
56	57	2.790	43.5	74.0	3	0.149	3	3	0.001	9	0.002	9	3	0.060	12	3	0.000	0
57	58	7.830	122.0	207.6	1	0.278	1	3	0.011	23	0.027	23	1	0.084	23	3	0.000	0
67	68	7.830	122.0	207.6	1	0.503	1	3	0.002	23	0.006	23	1	0.091	23	3	0.000	0
68	69	2.790	43.5	74.0	3	0.178	3	3	0.000	11	0.001	11	3	0.060	12	3	0.000	0
69	70	7.830	122.0	207.6	1	0.503	1	3	0.003	13	0.006	13	1	0.092	13	3	0.000	0
79	80	7.830	122.0	207.6	1	0.497	1	3	0.030	23	0.073	23	1	0.566	4	3	0.000	0
80	81	2.790	43.5	74.0	3	0.160	4	3	0.004	12	0.005	12	3	0.160	1	3	0.000	0
81	82	7.830	122.0	207.6	1	0.497	1	3	0.028	13	0.067	13	1	0.565	2	3	0.000	0
83	84	7.830	122.0	207.6	1	0.490	1	3	0.048	1	0.117	1	1	0.624	1	3	0.000	0
84	85	2.790	43.5	74.0	3	0.130	1	3	0.007	12	0.010	12	3	0.130	1	3	0.000	0
85	86	7.830	122.0	207.6	1	0.490	1	3	0.051	1	0.124	1	1	0.628	1	3	0.000	0
103	104	7.830	122.0	207.6	1	0.271	1	3	0.279	14	0.675	14	3	0.749	14	3	0.000	0
104	105	2.790	43.5	74.0	3	0.165	4	3	0.108	4	0.144	4	3	0.218	4	3	0.000	0
105	106	7.830	122.0	207.6	1	0.271	1	3	0.290	23	0.702	23	3	0.774	23	3	0.000	0

VERIFICA TRAVI SEZIONE 3 PROFILO Tubi Quadri 140x8.0 PUNTONE CAPRIATA

Tipo di verifica da eseguire:

- Resistenza (Componenti Azioni Interna)..... : - N - Mx - My
- Instabilità Nel Piano 1/2 ..... : Profilo singolo
- Instabilità Nel Piano 1/3 ..... : Profilo singolo
- Pressoflessione (Componenti Azioni Interna). : N - Mx - My
- Instabilità Flesso-Torsionale ..... : Non richiesta

- Acciaio tipo ..... : ***S275***
- Tensione di Snervamento ..... : 275.0 [MPa]
- Tensione di Rottura ..... : 430.0 [MPa]

Asta		Luce [m]	Snellezza		Resistenza			Instabilità					Pressoflessione			Svergolamento		
Da	A		1/2	1/3	Classe	Sd/Sr	Comb.	Classe	Sd/Sr 1/2	Comb.	Sd/Sr 1/3	Comb.	Classe	Sd/Sr	Comb.	Classe	Sd/Sr	Comb.
251	254	6.385	97.5	97.5	1	0.353	1	1	0.747	1	0.747	1	1	0.884	1	3	0.000	0
257	254	6.385	97.5	97.5	1	0.355	1	1	0.752	1	0.752	1	1	0.895	1	3	0.000	0
258	261	6.385	97.5	97.5	1	0.328	1	1	0.696	1	0.696	1	1	0.825	1	3	0.000	0
264	261	6.385	97.5	97.5	1	0.331	1	1	0.701	1	0.701	1	1	0.838	1	3	0.000	0

VERIFICA TRAVI SEZIONE 4 PROFILO _||_ Equal Flanges 2-60x6/10 TIRANTE CAPRIATA

Tipo di verifica da eseguire:

- Resistenza (Componenti Azioni Interna)..... : - N - Mx - My
- Instabilità Nel Piano 1/2 ..... : Profilo singolo
- Instabilità Nel Piano 1/3 ..... : Profilo singolo
- Pressoflessione (Componenti Azioni Interna). : N - Mx - My
- Instabilità Flesso-Torsionale ..... : Non richiesta

- Acciaio tipo ..... : ***S275***
- Tensione di Snervamento ..... : 275.0 [MPa]
- Tensione di Rottura ..... : 430.0 [MPa]

Asta		Luce [m]	Snellezza		Resistenza			Instabilità						Pressoflessione			Svergolamento		
Da	A		1/2	1/3	Classe	Sd/Sr	Comb.	Classe	Sd/Sr 1/2	Comb.	Sd/Sr 1/3	Comb.	Classe	Sd/Sr	Comb.	Classe	Sd/Sr	Comb.
125	126	2.128	117.2	74.9	3	0.180	21	3	0.000	0	0.000	0	3	0.000	0	3	0.000	0
126	127	2.128	117.2	74.9	1	0.358	3	3	0.000	0	0.000	0	3	0.000	0	3	0.000	0
127	128	2.128	117.2	74.9	1	0.731	3	3	0.000	0	0.000	0	3	0.000	0	3	0.000	0
128	129	2.128	117.2	74.9	1	0.777	1	3	0.000	0	0.000	0	3	0.000	0	3	0.000	0
129	130	2.128	117.2	74.9	1	0.381	1	3	0.000	0	0.000	0	3	0.000	0	3	0.000	0
130	131	2.128	117.2	74.9	3	0.138	22	3	0.000	0	0.000	0	3	0.000	0	3	0.000	0
132	133	2.128	117.2	74.9	3	0.180	15	3	0.000	0	0.000	0	3	0.000	0	3	0.000	0
133	134	2.128	117.2	74.9	1	0.333	3	3	0.000	0	0.000	0	3	0.000	0	3	0.000	0
134	135	2.128	117.2	74.9	1	0.680	3	3	0.000	0	0.000	0	3	0.000	0	3	0.000	0
135	136	2.128	117.2	74.9	1	0.726	1	3	0.000	0	0.000	0	3	0.000	0	3	0.000	0
136	137	2.128	117.2	74.9	1	0.357	1	3	0.000	0	0.000	0	3	0.000	0	3	0.000	0
137	138	2.128	117.2	74.9	3	0.138	16	3	0.000	0	0.000	0	3	0.000	0	3	0.000	0

VERIFICA TRAVI SEZIONE 5 PROFILO _||_ Equal Flanges 2-50x5/10 DIAGONALE CAPRIATA

Tipo di verifica da eseguire:

- Resistenza (Componenti Azioni Interna)..... : - N - Mx - My
- Instabilità Nel Piano 1/2 ..... : Profilo singolo
- Instabilità Nel Piano 1/3 ..... : Profilo singolo
- Pressoflessione (Componenti Azioni Interna). : N - Mx - My
- Instabilità Flesso-Torsionale ..... : Non richiesta

- Acciaio tipo ..... : ***S275***
- Tensione di Snervamento ..... : 275.0 [MPa]
- Tensione di Rottura ..... : 430.0 [MPa]

Asta		Luce [m]	Snellezza		Resistenza			Instabilità						Pressoflessione			Svergolamento		
Da	A		1/2	1/3	Classe	Sd/Sr	Comb.	Classe	Sd/Sr 1/2	Comb.	Sd/Sr 1/3	Comb.	Classe	Sd/Sr	Comb.	Classe	Sd/Sr	Comb.
133	258	2.419	160.2	99.6	1	0.541	3	3	0.000	0	0.000	0	3	0.000	0	3	0.000	0
134	259	2.419	160.2	99.6	1	0.534	3	3	0.000	0	0.000	0	3	0.000	0	3	0.000	0
135	260	2.419	160.2	99.6	1	0.494	3	3	0.000	0	0.000	0	3	0.000	0	3	0.000	0
135	262	2.419	160.2	99.6	1	0.530	1	3	0.000	0	0.000	0	3	0.000	0	3	0.000	0
136	263	2.419	160.2	99.6	1	0.571	1	3	0.000	0	0.000	0	3	0.000	0	3	0.000	0
137	264	2.419	160.2	99.6	1	0.579	1	3	0.000	0	0.000	0	3	0.000	0	3	0.000	0
130	257	2.419	160.2	99.6	1	0.618	1	3	0.000	0	0.000	0	3	0.000	0	3	0.000	0
129	256	2.419	160.2	99.6	1	0.611	1	3	0.000	0	0.000	0	3	0.000	0	3	0.000	0
128	255	2.419	160.2	99.6	1	0.568	1	3	0.000	0	0.000	0	3	0.000	0	3	0.000	0
253	128	2.419	160.2	99.6	1	0.531	3	3	0.000	0	0.000	0	3	0.000	0	3	0.000	0
252	127	2.419	160.2	99.6	1	0.573	3	3	0.000	0	0.000	0	3	0.000	0	3	0.000	0
251	126	2.419	160.2	99.6	1	0.580	3	3	0.000	0	0.000	0	3	0.000	0	3	0.000	0

VERIFICA TRAVI SEZIONE 6 PROFILO TQ 50x3 COLLEGAMENTO CAPRIATE

Tipo di verifica da eseguire:

- Resistenza (Componenti Azioni Interna)..... : - N - Mx - My
- Instabilità Nel Piano 1/2 ..... : Profilo singolo
- Instabilità Nel Piano 1/3 ..... : Profilo singolo
- Pressoflessione (Componenti Azioni Interna). : N - Mx - My
- Instabilità Flesso-Torsionale ..... : Non richiesta

- Acciaio tipo ..... : ***S275***
- Tensione di Snervamento ..... : 275.0 [MPa]
- Tensione di Rottura ..... : 430.0 [MPa]

Asta		Luce [m]	Snellezza		Resistenza			Instabilità						Pressoflessione			Svergolamento		
Da	A		1/2	1/3	Classe	Sd/Sr	Comb.	Classe	Sd/Sr 1/2	Comb.	Sd/Sr 1/3	Comb.	Classe	Sd/Sr	Comb.	Classe	Sd/Sr	Comb.
128	135	2.790	145.3	145.3	1	0.041	1	3	0.000	0	0.000	0	3	0.000	0	3	0.000	0

VERIFICA BIELLE SEZIONE 1 PROFILO Tondini ø16 CONTROVENTI

Tipo di verifica da eseguire:

- Resistenza (Componenti Azioni Interna)..... : - N
- Instabilità Nel Piano 1/2 ..... : Non richiesta
- Instabilità Nel Piano 1/3 ..... : Non richiesta
- Pressoflessione (Componenti Azioni Interna). : Non richiesta
- Instabilità Flesso-Torsionale ..... : Non richiesta

- Acciaio tipo ..... : ***S355***
- Tensione di Snervamento ..... : 355.0 [MPa]
- Tensione di Rottura ..... : 510.0 [MPa]

Asta		Luce [m]	Snellezza		Resistenza			Instabilità						Pressoflessione			Svergolamento		
Da	A		1/2	1/3	Classe	Sd/Sr	Comb.	Classe	Sd/Sr 1/2	Comb.	Sd/Sr 1/3	Comb.	Classe	Sd/Sr	Comb.	Classe	Sd/Sr	Comb.
56	116	3.570	892.6	892.6	3	0.123	14	3	0.000	0	0.000	0	3	0.000	0	3	0.000	0
131	135	6.968	1742.0	1742.0	3	0.884	12	3	0.000	0	0.000	0	3	0.000	0	3	0.000	0
128	132	6.968	1742.0	1742.0	1	0.773	10	3	0.000	0	0.000	0	3	0.000	0	3	0.000	0
128	138	6.968	1742.0	1742.0	3	0.822	9	3	0.000	0	0.000	0	3	0.000	0	3	0.000	0
125	135	6.968	1742.0	1742.0	1	0.836	11	3	0.000	0	0.000	0	3	0.000	0	3	0.000	0
110	269	9.967	2491.7	2491.7	1	0.082	12	3	0.000	0	0.000	0	3	0.000	0	3	0.000	0
113	272	9.967	2491.7	2491.7	1	0.083	12	3	0.000	0	0.000	0	3	0.000	0	3	0.000	0
115	57	3.570	892.6	892.6	3	0.123	23	3	0.000	0	0.000	0	3	0.000	0	3	0.000	0
274	117	10.197	2549.3	2549.3	3	0.143	15	3	0.000	0	0.000	0	3	0.000	0	3	0.000	0
273	118	10.197	2549.3	2549.3	1	0.105	15	3	0.000	0	0.000	0	3	0.000	0	3	0.000	0
277	120	9.967	2491.7	2491.7	1	0.061	13	3	0.000	0	0.000	0	3	0.000	0	3	0.000	0
276	121	9.967	2491.7	2491.7	3	0.061	13	3	0.000	0	0.000	0	3	0.000	0	3	0.000	0
279	124	9.967	2491.7	2491.7	1	0.081	24	3	0.000	0	0.000	0	3	0.000	0	3	0.000	0
280	123	9.967	2491.7	2491.7	1	0.066	13	3	0.000	0	0.000	0	3	0.000	0	3	0.000	0
108	265	10.197	2549.3	2549.3	1	0.087	22	3	0.000	0	0.000	0	3	0.000	0	3	0.000	0
107	266	10.197	2549.3	2549.3	3	0.118	21	3	0.000	0	0.000	0	3	0.000	0	3	0.000	0
111	268	9.967	2491.7	2491.7	3	0.072	12	3	0.000	0	0.000	0	3	0.000	0	3	0.000	0
114	271	9.967	2491.7	2491.7	1	0.087	17	3	0.000	0	0.000	0	3	0.000	0	3	0.000	0

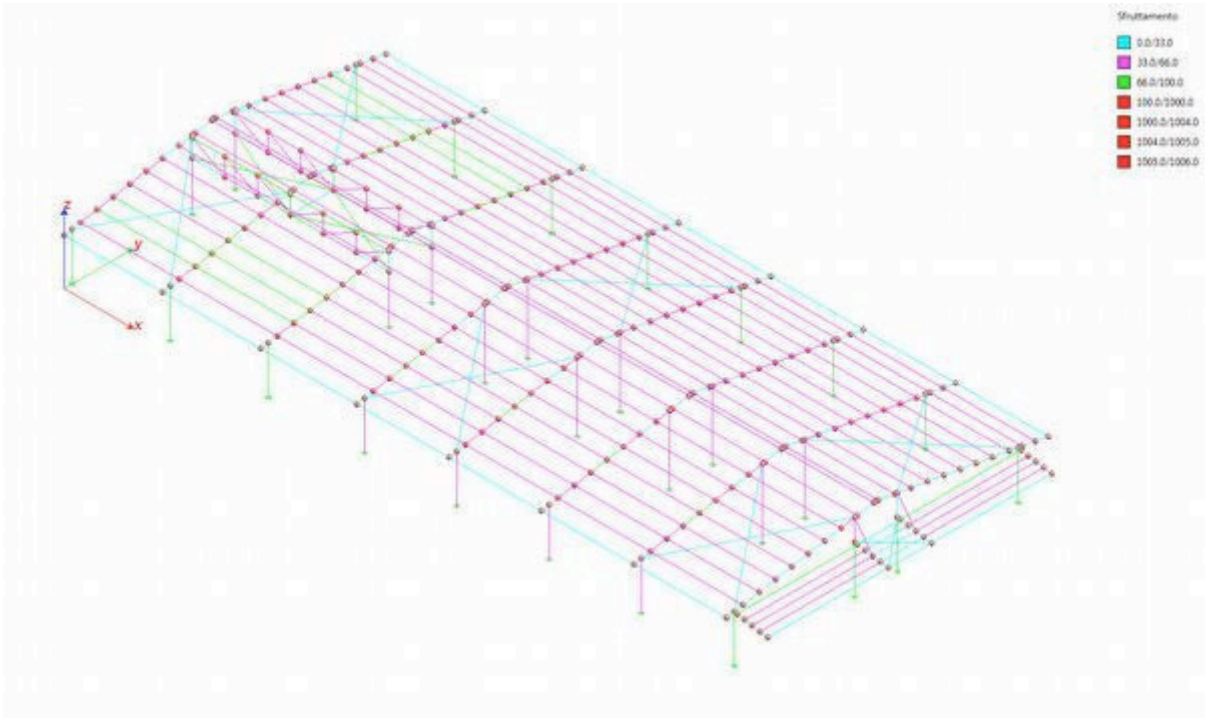
VERIFICA BIELLE SEZIONE 10 PROFILO Tondini ø16 TIRANTI

Tipo di verifica da eseguire:

- Resistenza (Componenti Azioni Interna)..... : - N
- Instabilità Nel Piano 1/2 ..... : Non richiesta
- Instabilità Nel Piano 1/3 ..... : Non richiesta
- Pressoflessione (Componenti Azioni Interna). : Non richiesta
- Instabilità Flesso-Torsionale ..... : Non richiesta

- Acciaio tipo ..... : ***S355***
- Tensione di Snervamento ..... : 355.0 [MPa]
- Tensione di Rottura ..... : 510.0 [MPa]

Asta		Luce [m]	Snellezza		Resistenza			Instabilità						Pressoflessione			Svergolamento		
Da	A		1/2	1/3	Classe	Sd/Sr	Comb.	Classe	Sd/Sr 1/2	Comb.	Sd/Sr 1/3	Comb.	Classe	Sd/Sr	Comb.	Classe	Sd/Sr	Comb.
280	81	1.966	491.4	491.4	1	0.404	1	3	0.000	0	0.000	0	3	0.000	0	3	0.000	0
272	80	1.966	491.4	491.4	1	0.402	1	3	0.000	0	0.000	0	3	0.000	0	3	0.000	0



Percentuali sfruttamento SLU ACCIAIO

Distribuzione degli elementi (n. di elementi in ogni campo)

Sezione Numero	Sezione tipo	Sd/Sr ≤ 33%	Sd/Sr ≤ 66%	Sd/Sr ≤ 100%	Sd/Sr ≤ 1000%	Sd/Sr ≤ 1004%	Sd/Sr ≤ 1005%	Sd/Sr ≤ 1006%
1	HEB 180/COLONNE	4.55 (1)	59.09 (13)	36.36 (8)	0.00 (0)	0.00 (0)	0.00 (0)	0.00 (0)
2	_||_ Equal Flanges 2-50x5/10/MONTANTE CAPRIATA	0.00 (0)	80.00 (8)	20.00 (2)	0.00 (0)	0.00 (0)	0.00 (0)	0.00 (0)
4	HEB 200/COLONNE AUDITORIUM	44.44 (8)	22.22 (4)	33.33 (6)	0.00 (0)	0.00 (0)	0.00 (0)	0.00 (0)
1	IPE 330/TRAVI	63.60 (145)	25.44 (58)	10.96 (25)	0.00 (0)	0.00 (0)	0.00 (0)	0.00 (0)
2	Tubi Ret V 90x180x4.0/ARCARECCI	12.43 (21)	81.07 (137)	6.51 (11)	0.00 (0)	0.00 (0)	0.00 (0)	0.00 (0)
3	Tubi Quadri 140x8.0/PUNTONE CAPRIATA	0.00 (0)	0.00 (0)	100.00 (4)	0.00 (0)	0.00 (0)	0.00 (0)	0.00 (0)
4	_||_ Equal Flanges 2-60x6/10/TIRANTE CAPRIATA	33.33 (4)	33.33 (4)	33.33 (4)	0.00 (0)	0.00 (0)	0.00 (0)	0.00 (0)
5	_||_ Equal Flanges 2-50x5/10/DIAGONALE CAPRIATA	0.00 (0)	100.00 (12)	0.00 (0)	0.00 (0)	0.00 (0)	0.00 (0)	0.00 (0)
6	TQ 50x3/COLLEGAMENTO CAPRIATE	100.00 (1)	0.00 (0)	0.00 (0)	0.00 (0)	0.00 (0)	0.00 (0)	0.00 (0)
1	Tondini ø16/CONTROVENTI	77.78 (14)	0.00 (0)	22.22 (4)	0.00 (0)	0.00 (0)	0.00 (0)	0.00 (0)
10	Tondini ø16/TIRANTI	0.00 (0)	100.00 (2)	0.00 (0)	0.00 (0)	0.00 (0)	0.00 (0)	0.00 (0)

Elementi maggiormente sollecitati

Elementi Pilastro

Sezione	Min Elemento nodi	Min S_d/S_r	Max Elemento nodi	Max S_d/S_r
1 HEB 180/COLONNE	116 280	0.33	28 115	0.79
2 _||_ Equal Flanges 2-50x5/10/MONTANTE CAPRIATA	134 260	0.39	128 254	0.81
4 HEB 200/COLONNE AUDITORIUM	258 273	0.04	4 117	0.83

Elementi Trave

Sezione	Min Elemento nodi	Min S_d/S_r	Max Elemento nodi	Max S_d/S_r
1 IPE 330/TRAVI	70 58	0.02	172 188	0.91
2 Tubi Ret V 90x180x4.0/ARCARECCI	84 85	0.13	105 106	0.77
3 Tubi Quadri 140x8.0/PUNTONE CAPRIATA	258...261	0.82	257...254	0.89
4 _||_ Equal Flanges 2-60x6/10/TIRANTE CAPRIATA	130 131	0.14	128 129	0.78
5 _||_ Equal Flanges 2-50x5/10/DIAGONALE CAPRIATA	135 260	0.49	130 257	0.62
6 TQ 50x3/COLLEGAMENTO CAPRIATE	128 135	0.04	128 135	0.04

Elementi Biella

Sezione	Min Elemento nodi	Min S_d/S_r	Max Elemento nodi	Max S_d/S_r
1 Tondini ø16/CONTROVENTI	276 121	0.06	131 135	0.88
10 Tondini ø16/TIRANTI	272 80	0.40	280 81	0.40

Verifiche estese SLU ACCIAIO

VERIFICHE TRAVE DAL NODO 172 AL NODO 188 / Sez. 1 IPE 330 (TRAVI)

DATI GENERALI

Luce dell'asta	1.080	[m]
Sezione numero	1	IPE 330 (TRAVI)
$\beta_{1\text{-}2/x\text{-}x}$	1.00	
$\beta_{1\text{-}3/y\text{-}y}$	1.00	

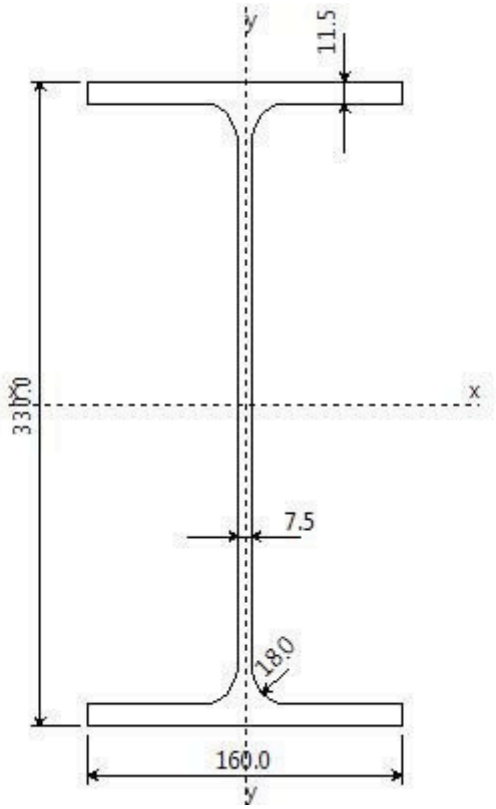
Materiale *S275 S 275 (FE 430)*

f_y	275.0	[MPa]
f_u	430.0	[MPa]
ε	0.92	

Coefficienti di sicurezza:

γ_{Mo}	1.10	
γ_{M1}	1.10	
γ_{M2}	1.25	

DATI INERZIALI PROFILO : *IPE 330*



Area	6272 [mm²]	A.Traz	6272 [mm²] (L collegamento 0.0 [mm])
Jx	117919570 [mm^4]	ix	137.1 [mm]
Wx	714664 [mm³]	Zx	806033 [mm³]
Jy	7883003 [mm^4]	iy	35.5 [mm]
Wy	98538 [mm³]	Zy	153798 [mm³]
Jt	281453 [mm^4]		
Cw	199097328125 [mm^6]		
Curva di instabilità piano 1-2 (x-x)	**a**		
Curva di instabilità piano 1-3 (y-y)	**b**		

Doppio T

B	160.0	[mm]

H	330.0	[mm]
tf	11.5	[mm]
tw	7.5	[mm]
r	18.0	[mm]

Classificazione generale della sezione:

- Compressione : **3**
- Flessione Mx : **1**
- Flessione My : **1**

Nelle verifiche a trazione $N_{u,Rd}=\beta A_{net} f_{t,k}/\gamma_2$ $\beta=0.90$

VERIFICA DI RESISTENZA

Sezione in classe	1	
$Area_{Eff}$	6272	[mm^2]
Wx_{Eff}	806033	[mm^3]
Wy_{Eff}	153798	[mm^3]
Combinazione critica	4	
Ascissa	1.080	[m]
N_D	4.66 [kN]	$N_D/N_R=0.00$
$M_{x,D}$	-159.48 [kNm]	$M_{x,D}/M_{x,R}=0.79$
$M_{y,D}$	-0.67 [kNm]	$M_{y,D}/M_{y,R}=0.02$
S_D/S_R	0.79	**VERIFICATA**

VERIFICA DI INSTABILITA DA SFORZO NORMALE

Verifica di Instabilità nel Piano 1/2 / *Profilo Singolo*

Luce	1.080	[m]
β (Lc= β L_{Netta})	1.00	
β_A	1.00	
Raggio d'inerzia i	137.1	[mm]
Snellezza	7.88	
Snellezza ridotta λ	0.09	
Curva d'instabilità	a	
Coeff. di riduzione χ	1.00	
L_{LT}	1.080	[m]
$N_{cr,T}$	18817.49	[kN]
$N_{cr,TF}$	18817.49	[kN]
λ_{LT}	0.30	
$Curva_{LT}$	b	
χ_{LT}	0.96	
Azione assiale	23.94 [kN]	Combinazione 22
N_{SD}/N_{SR}	0.02	**VERIFICATA**

Verifica di Instabilità nel Piano 1/3 / *Profilo Singolo*

Luce	1.080	[m]
β (Lc= β L_{Netta})	1.00	
β_A	1.00	
Raggio d'inerzia i	35.5	[mm]
Snellezza	30.46	
Snellezza ridotta λ	0.35	
Curva d'instabilità	b	
Coeff. di riduzione χ	0.95	
Azione assiale	23.94 [kN]	Combinazione 22
N_{SD}/N_{SR}	0.02	**VERIFICATA**

VERIFICA DI INSTABILITÀ FLESSOTORSIONALE (SVERGOLAMENTO)

Luce dell'asta libera di svergolare	1.080	[m]
Fattore di lunghezza effettiva **k**	1.00	
Fattore di ritegno torsionale d'estremità $\mathbf{k_w}$	1.00	
Verifica condotta con il metodo **generale**		

Eccentricità fra il centro di taglio ed il punto di applicazione dei carichi esterni z_q	165.0	[mm]
Fattore z_j	0.0	[mm]
Andamento del diagramma del momento	**NON**Lineare	
Coefficienti d'interazione carico vincoli		
C_1	1.28	
C_2	1.56	
C_3	0.75	
Momento critico d'instabilità M_{Cr}	860.99	[kNm]
Snellezza adimensionale λ_{LT}	0.51	
Curve d'instabilità	b	
Coefficiente di riduzione per instabilità χ_{LT}	0.88	
Sezione in classe	1	
Momento massimo M_D	-159.48 [kNm]	Combinazione 4
M_{SD}/M_{SR}	0.90	**VERIFICATA**

VERIFICA DI INSTABILITA A PRESSO-FLESSIONE

Verifica condotta in accordo a EC3 UNI EN 1993-1-1:2005 paragrafo 6.3.3 e appendice A.

Sezione in classe	1	
$Area_{Eff}$	6272	[mm^2]
Wx_{Eff}	806033	[mm^3]
Wy_{Eff}	153798	[mm^3]
Combinazione critica	3	
N_D	3.11 [kN]	N_D/N_R=0.00
$M_{x,D}$	159.25 [kNm]	$M_{x,D}/M_{x,R}$=0.89
$M_{y,D}$	0.83 [kNm]	$M_{y,D}/M_{y,R}$=0.01
S_D/S_R	0.91	**VERIFICATA**

Verifica di Instabilità nel Piano 1/2 / *Profilo Singolo*

Luce	1.080	[m]
β (Lc= β L_{Netta})	1.00	
β_A	1.00	
Raggio d'inerzia i	137.1	[mm]
Snellezza	7.88	
Snellezza ridotta λ	0.09	
Curva d'instabilità	a	
Coeff. di riduzione χ	1.00	
L_{LT}	1.080	[m]
$N_{cr,T}$	18817.49	[kN]
$N_{cr,TF}$	18817.49	[kN]
λ_{LT}	0.30	
$Curva_{LT}$	b	
χ_{LT}	0.96	
Azione assiale	3.11 [kN]	Combinazione 3

Verifica di Instabilità nel Piano 1/3 / *Profilo Singolo*

Luce	1.080	[m]
β (Lc= β L_{Netta})	1.00	
β_A	1.00	
Raggio d'inerzia i	35.5	[mm]
Snellezza	30.46	
Snellezza ridotta λ	0.35	
Curva d'instabilità	b	
Coeff. di riduzione χ	0.95	
Azione assiale	3.11 [kN]	Combinazione 3

Snellezze e Fattori di interazione dei momenti flettenti

Piano	**λ**	**X**	**μ**	**C_m**
1-2	0.09	1.00	1.00	1.000 NON Lineare
1-3	0.35	0.95	1.00	0.797 Lineare
LT_o	0.31	1.00		
LT	0.51	0.88		0.998

Fattori di Interazione

a_{LT}	1.00	b_{LT}	0.00
c_{LT}	0.17	d_{LT}	0.13
e_{LT}	4.10		
$C_{22\ (yy)}$	1.00	$C_{23\ (yz)}$	0.92
$C_{32\ (zy)}$	0.98	$C_{33\ (zz)}$	1.00
$k_{22\ (yy)}$	1.00	$k_{23\ (yz)}$	0.60
$k_{32\ (zy)}$	0.53	$k_{33\ (zz)}$	0.80

VERIFICHE PILASTRO DAL NODO 28 AL NODO 115 / Sez. 1 HEB 180 (COLONNE)

DATI GENERALI

Luce dell'asta	3.100	[m]
Sezione numero	1	HEB 180 (COLONNE)
$\beta_{1-2/x-x}$	1.00	
$\beta_{1-3/y-y}$	1.00	

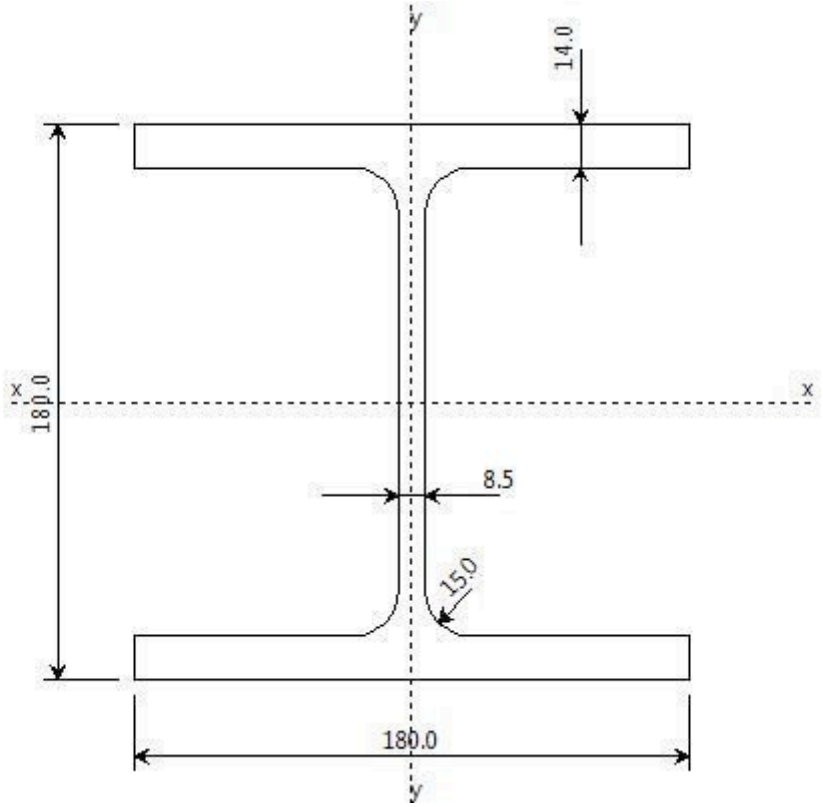
Materiale *S275 S 275 (FE 430)*

f_y	275.0	[MPa]
f_u	430.0	[MPa]
ε	0.92	

Coefficienti di sicurezza:

γ_{Mo}	1.10	
γ_{M1}	1.10	
γ_{M2}	1.25	

DATI INERZIALI PROFILO : *HEB 180*



Area	6533 [mm²]	A.Traz	6533 [mm²] (L collegamento 0.0 [mm])
Jx	38351528 [mm^4]	ix	76.6 [mm]
Wx	426128 [mm³]	Zx	482015 [mm³]
Jy	13629395 [mm^4]	iy	45.7 [mm]
Wy	151438 [mm³]	Zy	231092 [mm³]
Jt	421646 [mm^4]		
Cw	93745515625 [mm^6]		
Curva di instabilità piano 1-2 (x-x)	**b**		
Curva di instabilità piano 1-3 (y-y)	**c**		

Doppio T

B	180.0	[mm]
H	180.0	[mm]
tf	14.0	[mm]
tw	8.5	[mm]

r	15.0	[mm]

Classificazione generale della sezione:

- Compressione : **1**
- Flessione Mx : **1**
- Flessione My : **1**

Nelle verifiche a trazione $N_{u,Rd}=\beta A_{net} f_{t,k}/\gamma_2$ $\beta=0.90$

VERIFICA DI RESISTENZA

Sezione in classe	1	
$Area_{Eff}$	6533	[mm^2]
Wx_{Eff}	482015	[mm^3]
Wy_{Eff}	231092	[mm^3]
Combinazione critica	3	
Ascissa	3.100	[m]
N_D	124.63 [kN]	$N_D/N_R=0.08$
$M_{x,D}$	-4.42 [kNm]	$M_{x,D}/M_{x,R}=0.04$
$M_{y,D}$	39.33 [kNm]	$M_{y,D}/M_{y,R}=0.68$
S_D/S_R	0.68	**VERIFICATA**

VERIFICA DI INSTABILITA DA SFORZO NORMALE

Verifica di Instabilità nel Piano 1/2 / *Profilo Singolo*

Luce	3.100	[m]
β (Lc= β L_{Netta})	1.00	
β_A	1.00	
Raggio d'inerzia i	76.6	[mm]
Snellezza	40.46	
Snellezza ridotta λ	0.47	
Curva d'instabilità	b	
Coeff. di riduzione χ	0.90	
Azione assiale	139.37 [kN]	Combinazione 1
N_{SD}/N_{SR}	0.09	**VERIFICATA**

Verifica di Instabilità nel Piano 1/3 / *Profilo Singolo*

Luce	3.100	[m]
β (Lc= β L_{Netta})	1.00	
β_A	1.00	
Raggio d'inerzia i	45.7	[mm]
Snellezza	67.87	
Snellezza ridotta λ	0.78	
Curva d'instabilità	c	
Coeff. di riduzione χ	0.67	
Azione assiale	139.37 [kN]	Combinazione 1
N_{SD}/N_{SR}	0.13	**VERIFICATA**

VERIFICA DI INSTABILITA A PRESSO-FLESSIONE

Verifica condotta in accordo a EC3 UNI EN 1993-1-1:2005 paragrafo 6.3.3 e appendice A.

Sezione in classe	1	
$Area_{Eff}$	6533	[mm^2]
Wx_{Eff}	482015	[mm^3]
Wy_{Eff}	231092	[mm^3]
Combinazione critica	3	
N_D	124.63 [kN]	$N_D/N_R=0.11$
$M_{x,D}$	-4.42 [kNm]	$M_{x,D}/M_{x,R}=0.01$
$M_{y,D}$	39.33 [kNm]	$M_{y,D}/M_{y,R}=0.67$
S_D/S_R	0.79	**VERIFICATA**

Verifica di Instabilità nel Piano 1/2 / *Profilo Singolo*

Luce	3.100	[m]
β (Lc= β L_{Netta})	1.00	
β_A	1.00	
Raggio d'inerzia i	76.6	[mm]
Snellezza	40.46	
Snellezza ridotta λ	0.47	
Curva d'instabilità	b	
Coeff. di riduzione χ	0.90	
Azione assiale	124.63 [kN]	Combinazione 3

Verifica di Instabilità nel Piano 1/3 / *Profilo Singolo*

Luce	3.100	[m]
β (Lc= β L_{Netta})	1.00	
β_A	1.00	
Raggio d'inerzia i	45.7	[mm]
Snellezza	67.87	
Snellezza ridotta λ	0.78	
Curva d'instabilità	c	
Coeff. di riduzione χ	0.67	
Azione assiale	124.63 [kN]	Combinazione 3

Snellezze e Fattori di interazione dei momenti flettenti

Piano	**λ**	**X**	**μ**	**C_m**
1-2	0.47	0.90	1.00	0.710 Lineare
1-3	0.78	0.67	0.99	0.972 NON Lineare

Fattori di Interazione

a_{LT}	0.99	b_{LT}	0.00
c_{LT}	0.00	d_{LT}	0.00
e_{LT}	0.00		
$C_{22\ (yy)}$	1.01	$C_{23\ (yz)}$	1.04
$C_{32\ (zy)}$	1.00	$C_{33\ (zz)}$	1.02
$k_{22\ (yy)}$	0.71	$k_{23\ (yz)}$	0.68
$k_{32\ (zy)}$	0.37	$k_{33\ (zz)}$	0.98

VERIFICHE PILASTRO DAL NODO 4 AL NODO 117 / Sez. 4 HEB 200 (COLONNE AUDITORIUM)

DATI GENERALI

Luce dell'asta	3.100	[m]
Sezione numero	4	HEB 200 (COLONNE AUDITORIUM)
$\beta_{1-2/x-x}$	1.00	
$\beta_{1-3/y-y}$	1.00	

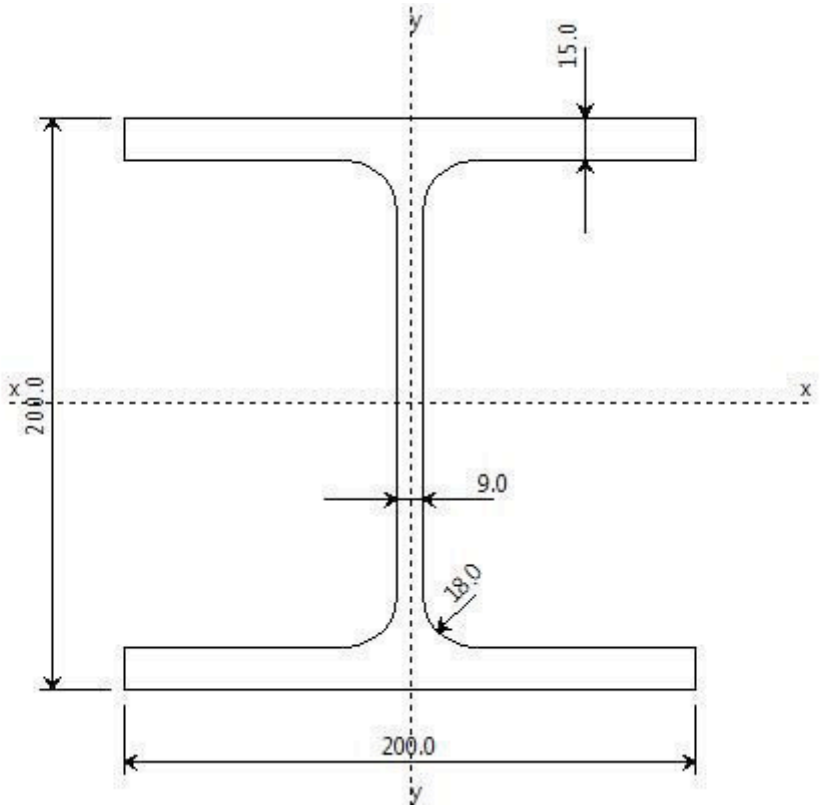
Materiale *S275 S 275 (FE 430)*

f_y	275.0	[MPa]
f_u	430.0	[MPa]
ε	0.92	

Coefficienti di sicurezza:

γ_{Mo}	1.10	
γ_{M1}	1.10	
γ_{M2}	1.25	

DATI INERZIALI PROFILO : *HEB 200*



Area	7820 [mm²]	A.Traz	7820 [mm²] (L collegamento 0.0 [mm])
Jx	57033379 [mm^4]	ix	85.4 [mm]
Wx	570334 [mm³]	Zx	643456 [mm³]
Jy	20035454 [mm^4]	iy	50.6 [mm]
Wy	200355 [mm³]	Zy	305941 [mm³]
Jt	592811 [mm^4]		
Cw	171125000000 [mm^6]		
Curva di instabilità piano 1-2 (x-x)	**b**		
Curva di instabilità piano 1-3 (y-y)	**c**		

Doppio T

B	200.0	[mm]
H	200.0	[mm]
tf	15.0	[mm]
tw	9.0	[mm]

r	18.0	[mm]

Classificazione generale della sezione:

- Compressione : **1**
- Flessione Mx : **1**
- Flessione My : **1**

Nelle verifiche a trazione $N_{u,Rd}=\beta A_{net} f_{t,k}/\gamma_2$ $\beta=0.90$

VERIFICA DI RESISTENZA

Sezione in classe	1	
$Area_{Eff}$	7820	[mm^2]
Wx_{Eff}	643456	[mm^3]
Wy_{Eff}	305941	[mm^3]
Combinazione critica	11	
Ascissa	0.000	[m]
N_D	31.53 [kN]	$N_D/N_R=0.02$
$M_{x,D}$	-47.63 [kNm]	$M_{x,D}/M_{x,R}=0.30$
$M_{y,D}$	56.90 [kNm]	$M_{y,D}/M_{y,R}=0.74$
S_D/S_R	0.83	**VERIFICATA**

VERIFICA DI INSTABILITA DA SFORZO NORMALE

Verifica di Instabilità nel Piano 1/2 / *Profilo Singolo*

Luce	3.100	[m]
β (Lc= β L_{Netta})	1.00	
β_A	1.00	
Raggio d'inerzia i	85.4	[mm]
Snellezza	36.30	
Snellezza ridotta λ	0.42	
Curva d'instabilità	b	
Coeff. di riduzione χ	0.92	
Azione assiale	91.21 [kN]	Combinazione 2
N_{SD}/N_{SR}	0.05	**VERIFICATA**

Verifica di Instabilità nel Piano 1/3 / *Profilo Singolo*

Luce	3.100	[m]
β (Lc= β L_{Netta})	1.00	
β_A	1.00	
Raggio d'inerzia i	50.6	[mm]
Snellezza	61.24	
Snellezza ridotta λ	0.71	
Curva d'instabilità	c	
Coeff. di riduzione χ	0.72	
Azione assiale	91.21 [kN]	Combinazione 2
N_{SD}/N_{SR}	0.06	**VERIFICATA**

VERIFICA DI INSTABILITA A PRESSO-FLESSIONE

Verifica condotta in accordo a EC3 UNI EN 1993-1-1:2005 paragrafo 6.3.3 e appendice A.

Sezione in classe	1	
$Area_{Eff}$	7820	[mm^2]
Wx_{Eff}	643456	[mm^3]
Wy_{Eff}	305941	[mm^3]
Combinazione critica	15	
N_D	33.54 [kN]	$N_D/N_R=0.02$
$M_{x,D}$	117.15 [kNm]	$M_{x,D}/M_{x,R}=0.58$
$M_{y,D}$	19.27 [kNm]	$M_{y,D}/M_{y,R}=0.14$
S_D/S_R	0.73	**VERIFICATA**

Verifica di Instabilità nel Piano 1/2 / *Profilo Singolo*

Luce	3.100	[m]
β (Lc= β L_{Netta})	1.00	
β_A	1.00	
Raggio d'inerzia i	85.4	[mm]
Snellezza	36.30	
Snellezza ridotta λ	0.42	
Curva d'instabilità	b	
Coeff. di riduzione χ	0.92	
Azione assiale	33.54 [kN]	Combinazione 15

Verifica di Instabilità nel Piano 1/3 / *Profilo Singolo*

Luce	3.100	[m]
β (Lc= β L_{Netta})	1.00	
β_A	1.00	
Raggio d'inerzia i	50.6	[mm]
Snellezza	61.24	
Snellezza ridotta λ	0.71	
Curva d'instabilità	c	
Coeff. di riduzione χ	0.72	
Azione assiale	33.54 [kN]	Combinazione 15

Snellezze e Fattori di interazione dei momenti flettenti

Piano	**λ**	**X**	**μ**	**C_m**
1-2	0.42	0.92	1.00	0.790 Lineare
1-3	0.71	0.72	1.00	0.790 Lineare

Fattori di Interazione

a_{LT}	0.99	b_{LT}	0.00
c_{LT}	0.00	d_{LT}	0.00
e_{LT}	0.00		
$C_{22\,(yy)}$	1.00	$C_{23\,(yz)}$	1.01
$C_{32\,(zy)}$	1.00	$C_{33\,(zz)}$	1.01
$k_{22\,(yy)}$	0.79	$k_{23\,(yz)}$	0.54
$k_{32\,(zy)}$	0.41	$k_{33\,(zz)}$	0.79

VERIFICHE TRAVE DAL NODO 172 AL NODO 188 / Sez. 1 IPE 330 (TRAVI)

DATI GENERALI

Luce dell'asta	1.080	[m]
Sezione numero	1	IPE 330 (TRAVI)
$\beta_{1\text{-}2/x\text{-}x}$	1.00	
$\beta_{1\text{-}3/y\text{-}y}$	1.00	

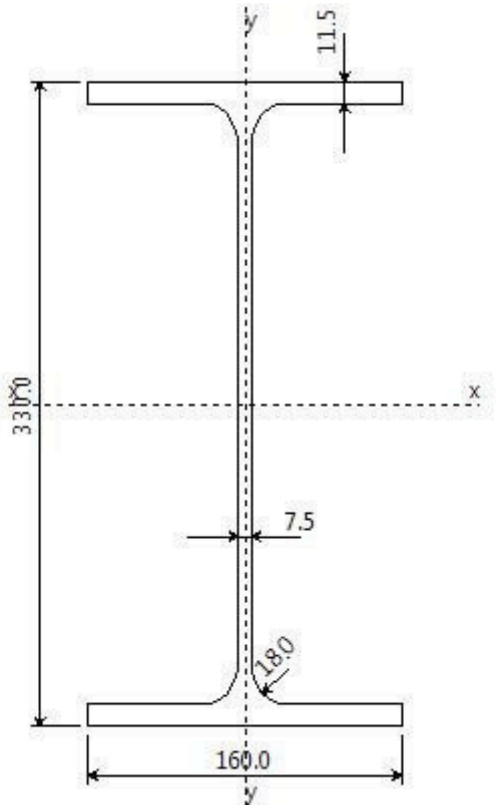
Materiale *S275 S 275 (FE 430)*

f_y	275.0	[MPa]
f_u	430.0	[MPa]
ε	0.92	

Coefficienti di sicurezza:

γ_{Mo}	1.10	
γ_{M1}	1.10	
γ_{M2}	1.25	

DATI INERZIALI PROFILO : *IPE 330*



Area	6272 [mm²]	A.Traz	6272 [mm²] (L collegamento 0.0 [mm])
Jx	117919570 [mm^4]	ix	137.1 [mm]
Wx	714664 [mm³]	Zx	806033 [mm³]
Jy	7883003 [mm^4]	iy	35.5 [mm]
Wy	98538 [mm³]	Zy	153798 [mm³]
Jt	281453 [mm^4]		
Cw	199097328125 [mm^6]		
Curva di instabilità piano 1-2 (x-x)	**a**		
Curva di instabilità piano 1-3 (y-y)	**b**		

Doppio T

B	160.0	[mm]
H	330.0	[mm]
tf	11.5	[mm]
tw	7.5	[mm]

r	18.0	[mm]

Classificazione generale della sezione:

- Compressione : **3**
- Flessione Mx : **1**
- Flessione My : **1**

Nelle verifiche a trazione $N_{u,Rd}=\beta A_{net} f_{t,k}/\gamma_2$ $\beta=0.90$

VERIFICA DI RESISTENZA

Sezione in classe	1	
$Area_{Eff}$	6272	[mm^2]
Wx_{Eff}	806033	[mm^3]
Wy_{Eff}	153798	[mm^3]
Combinazione critica	4	
Ascissa	1.080	[m]
N_D	4.66 [kN]	$N_D/N_R=0.00$
$M_{x,D}$	-159.48 [kNm]	$M_{x,D}/M_{x,R}=0.79$
$M_{y,D}$	-0.67 [kNm]	$M_{y,D}/M_{y,R}=0.02$
S_D/S_R	0.79	**VERIFICATA**

VERIFICA DI INSTABILITA DA SFORZO NORMALE

Verifica di Instabilità nel Piano 1/2 / *Profilo Singolo*

Luce	1.080	[m]
β (Lc= β L_{Netta})	1.00	
β_A	1.00	
Raggio d'inerzia i	137.1	[mm]
Snellezza	7.88	
Snellezza ridotta λ	0.09	
Curva d'instabilità	a	
Coeff. di riduzione χ	1.00	
L_{LT}	1.080	[m]
$N_{cr,T}$	18817.49	[kN]
$N_{cr,TF}$	18817.49	[kN]
λ_{LT}	0.30	
$Curva_{LT}$	b	
χ_{LT}	0.96	
Azione assiale	23.94 [kN]	Combinazione 22
N_{SD}/N_{SR}	0.02	**VERIFICATA**

Verifica di Instabilità nel Piano 1/3 / *Profilo Singolo*

Luce	1.080	[m]
β (Lc= β L_{Netta})	1.00	
β_A	1.00	
Raggio d'inerzia i	35.5	[mm]
Snellezza	30.46	
Snellezza ridotta λ	0.35	
Curva d'instabilità	b	
Coeff. di riduzione χ	0.95	
Azione assiale	23.94 [kN]	Combinazione 22
N_{SD}/N_{SR}	0.02	**VERIFICATA**

VERIFICA DI INSTABILITÀ FLESSOTORSIONALE (SVERGOLAMENTO)

Luce dell'asta libera di svergolare	1.080	[m]
Fattore di lunghezza effettiva **k**	1.00	
Fattore di ritegno torsionale d'estremità $\mathbf{k_w}$	1.00	
Verifica condotta con il metodo **generale**		
Eccentricità fra il centro di taglio ed il punto di applicazione dei carichi esterni $\mathbf{z_g}$	165.0	[mm]
Fattore $\mathbf{z_j}$	0.0	[mm]
Andamento del diagramma del momento	**NON** Lineare	

Coefficienti d'interazione carico vincoli		
C_1	1.28	
C_2	1.56	
C_3	0.75	
Momento critico d'instabilità M_{Cr}	860.99	[kNm]
Snellezza adimensionale λ_{LT}	0.51	
Curve d'instabilità	b	
Coefficiente di riduzione per instabilità χ_{LT}	0.88	
Sezione in classe	1	
Momento massimo M_D	-159.48 [kNm]	Combinazione 4
M_{SD}/M_{SR}	0.90	**VERIFICATA**

VERIFICA DI INSTABILITA A PRESSO-FLESSIONE

Verifica condotta in accordo a EC3 UNI EN 1993-1-1:2005 paragrafo 6.3.3 e appendice A.

Sezione in classe	1	
$Area_{Eff}$	6272	[mm^2]
Wx_{Eff}	806033	[mm^3]
Wy_{Eff}	153798	[mm^3]
Combinazione critica	3	
N_D	3.11 [kN]	N_D/N_R=0.00
$M_{x,D}$	159.25 [kNm]	$M_{x,D}/M_{x,R}$=0.89
$M_{y,D}$	0.83 [kNm]	$M_{y,D}/M_{y,R}$=0.01
S_D/S_R	0.91	**VERIFICATA**

Verifica di Instabilità nel Piano 1/2 / *Profilo Singolo*

Luce	1.080	[m]
β (Lc= β L_{Netta})	1.00	
β_A	1.00	
Raggio d'inerzia i	137.1	[mm]
Snellezza	7.88	
Snellezza ridotta λ	0.09	
Curva d'instabilità	a	
Coeff. di riduzione χ	1.00	
L_{LT}	1.080	[m]
$N_{cr,T}$	18817.49	[kN]
$N_{cr,TF}$	18817.49	[kN]
λ_{LT}	0.30	
$Curva_{LT}$	b	
χ_{LT}	0.96	
Azione assiale	3.11 [kN]	Combinazione 3

Verifica di Instabilità nel Piano 1/3 / *Profilo Singolo*

Luce	1.080	[m]
β (Lc= β L_{Netta})	1.00	
β_A	1.00	
Raggio d'inerzia i	35.5	[mm]
Snellezza	30.46	
Snellezza ridotta λ	0.35	
Curva d'instabilità	b	
Coeff. di riduzione χ	0.95	
Azione assiale	3.11 [kN]	Combinazione 3

Snellezze e Fattori di interazione dei momenti flettenti

Piano	**λ**	**X**	**μ**	**C_m**
1-2	0.09	1.00	1.00	1.000 NON Lineare
1-3	0.35	0.95	1.00	0.797 Lineare
LT_o	0.31	1.00		
LT	0.51	0.88		0.998

Fattori di Interazione

a_{LT}	1.00	b_{LT}	0.00
c_{LT}	0.17	d_{LT}	0.13
e_{LT}	4.10		
$C_{22\ (yy)}$	1.00	$C_{23\ (yz)}$	0.92
$C_{32\ (zy)}$	0.98	$C_{33\ (zz)}$	1.00
$k_{22\ (yy)}$	1.00	$k_{23\ (yz)}$	0.60
$k_{32\ (zy)}$	0.53	$k_{33\ (zz)}$	0.80

VERIFICHE TRAVE DAL NODO 105 AL NODO 106 / Sez. 2 Tubi Ret V 90x180x4.0 (ARCARECCI)

DATI GENERALI

Luce dell'asta	7.830	[m]
Sezione numero	2	Tubi Ret V 90x180x4.0 (ARCARECCI)
$\beta_{1\text{-}2/x\text{-}x}$	1.00	
$\beta_{1\text{-}3/y\text{-}y}$	1.00	

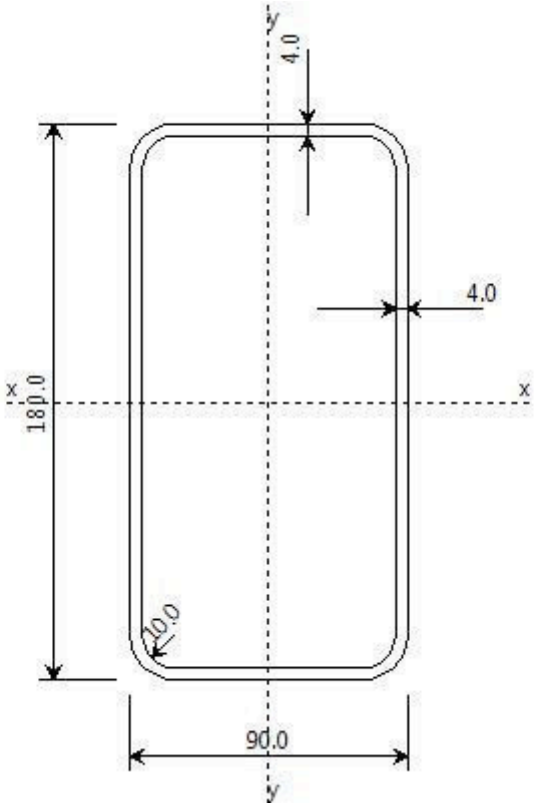
Materiale *S275 S 275 (FE 430)*

f_y	275.0	[MPa]
f_u	430.0	[MPa]
ε	0.92	

Coefficienti di sicurezza:

γ_{Mo}	1.10	
γ_{M1}	1.10	
γ_{M2}	1.25	

DATI INERZIALI PROFILO : *Tubi Ret V 90x180x4.0*



Area	2012 [mm²]	A.Traz	2012 [mm²] (L collegamento 0.0 [mm])
Jx	8285797 [mm^4]	ix	64.2 [mm]
Wx	92064 [mm³]	Zx	114933 [mm³]
Jy	2861676 [mm^4]	iy	37.7 [mm]
Wy	63593 [mm³]	Zy	71568 [mm³]
Jt	7147547 [mm^4]		
Cw	1158387207 [mm^6]		
Curva di instabilità piano 1-2 (x-x)	**c**		
Curva di instabilità piano 1-3 (y-y)	**c**		

Tubo quadro

B	90.0	[mm]
H	180.0	[mm]
tb	4.0	[mm]
tw	4.0	[mm]

r	10.0	[mm]

Classificazione generale della sezione:

- Compressione : **3**
- Flessione Mx : **1**
- Flessione My : **3**

Nelle verifiche a trazione $N_{u,Rd}=\beta A_{net} f_{t,k}/\gamma_2$ $\beta=0.90$

VERIFICA DI RESISTENZA

Sezione in classe	1	
$Area_{Eff}$	2012	[mm^2]
Wx_{Eff}	114933	[mm^3]
Wy_{Eff}	71568	[mm^3]
Combinazione critica	1	
Ascissa	3.915	[m]
N_D	9.18 [kN]	$N_D/N_R=0.02$
$M_{x,D}$	-7.80 [kNm]	$M_{x,D}/M_{x,R}=0.27$
$M_{y,D}$	0.82 [kNm]	$M_{y,D}/M_{y,R}=0.05$
S_D/S_R	0.27	**VERIFICATA**

VERIFICA DI INSTABILITA DA SFORZO NORMALE

Verifica di Instabilità nel Piano 1/2 / *Profilo Singolo*

Luce	7.830	[m]
β (Lc= β L_{Netta})	1.00	
β_A	1.00	
Raggio d'inerzia i	64.2	[mm]
Snellezza	122.00	
Snellezza ridotta λ	1.41	
Curva d'instabilità	c	
Coeff. di riduzione χ	0.35	
Azione assiale	50.65 [kN]	Combinazione 23
N_{SD}/N_{SR}	0.29	**VERIFICATA**

Verifica di Instabilità nel Piano 1/3 / *Profilo Singolo*

Luce	7.830	[m]
β (Lc= β L_{Netta})	1.00	
β_A	1.00	
Raggio d'inerzia i	37.7	[mm]
Snellezza	207.60	
Snellezza ridotta λ	2.39	
Curva d'instabilità	c	
Coeff. di riduzione χ	0.14	
Azione assiale	50.65 [kN]	Combinazione 23
N_{SD}/N_{SR}	0.70	**VERIFICATA**

VERIFICA DI INSTABILITA A PRESSO-FLESSIONE

Verifica condotta in accordo a EC3 UNI EN 1993-1-1:2005 paragrafo 6.3.3 e appendice A.

Sezione in classe	3	
$Area_{Eff}$	2012	[mm^2]
Wx_{Eff}	92064	[mm^3]
Wy_{Eff}	63593	[mm^3]
Combinazione critica	23	
N_D	50.65 [kN]	$N_D/N_R=0.77$
$M_{x,D}$	-1.66 [kNm]	$M_{x,D}/M_{x,R}=0.00$
$M_{y,D}$	0.42 [kNm]	$M_{y,D}/M_{y,R}=0.00$
S_D/S_R	0.77	**VERIFICATA**

Verifica di Instabilità nel Piano 1/2 / *Profilo Singolo*

Luce	7.830	[m]
β (Lc= β L_{Netta})	1.00	
β_A	1.00	
Raggio d'inerzia i	64.2	[mm]
Snellezza	122.00	
Snellezza ridotta λ	1.41	
Curva d'instabilità	c	
Coeff. di riduzione χ	0.35	
Azione assiale	50.65 [kN]	Combinazione 23

Verifica di Instabilità nel Piano 1/3 / *Profilo Singolo*

Luce	7.830	[m]
β (Lc= β L_{Netta})	1.00	
β_A	1.00	
Raggio d'inerzia i	37.7	[mm]
Snellezza	207.60	
Snellezza ridotta λ	2.39	
Curva d'instabilità	c	
Coeff. di riduzione χ	0.14	
Azione assiale	50.65 [kN]	Combinazione 23

Snellezze e Fattori di interazione dei momenti flettenti

Piano	**λ**	**X**	**μ**	**C_m**
1-2	1.41	0.35	0.87	1.005 NON Lineare
1-3	2.39	0.14	0.51	0.896 NON Lineare

Fattori di Interazione

a_{LT}	0.14	b_{LT}	0.00
c_{LT}	0.00	d_{LT}	0.00
e_{LT}	0.00		
$C_{22\ (yy)}$	0.80	$C_{23\ (yz)}$	0.58
$C_{32\ (zy)}$	0.51	$C_{33\ (zz)}$	0.91
$k_{22\ (yy)}$	1.07	$k_{23\ (yz)}$	1.64
$k_{32\ (zy)}$	0.63	$k_{33\ (zz)}$	0.97

VERIFICHE TRAVE DAL NODO 257 AL NODO 254 / Sez. 3 Tubi Quadri 140x8.0 (PUNTONE CAPRIATA)

DATI GENERALI

Luce dell'asta	6.385	[m]
Sezione numero	3	Tubi Quadri 140x8.0 (PUNTONE CAPRIATA)
$\beta_{1-2/x-x}$	0.80	
$\beta_{1-3/y-y}$	0.80	

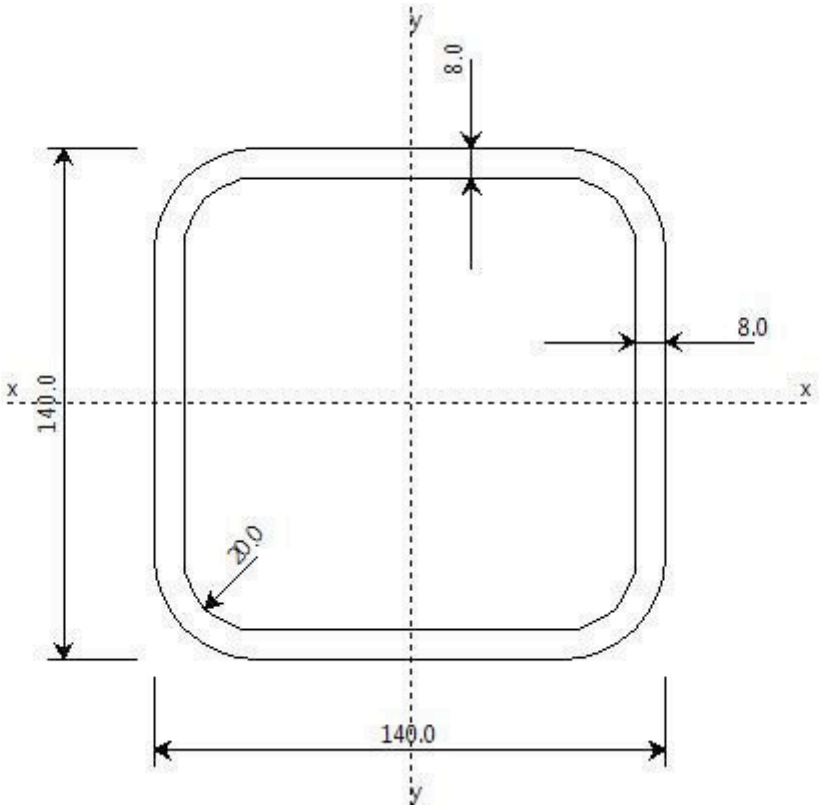
Materiale *S275 S 275 (FE 430)*

f_y	275.0	[MPa]
f_u	430.0	[MPa]
ε	0.92	

Coefficienti di sicurezza:

γ_{Mo}	1.10	
γ_{M1}	1.10	
γ_{M2}	1.25	

DATI INERZIALI PROFILO : *Tubi Quadri 140x8.0*



Area	3887 [mm²]	A.Traz	3887 [mm²] (L collegamento 0.0 [mm])
Jx	10666436 [mm^4]	ix	52.4 [mm]
Wx	152378 [mm³]	Zx	185695 [mm³]
Jy	10666436 [mm^4]	iy	52.4 [mm]
Wy	152378 [mm³]	Zy	185695 [mm³]
Jt	18588064 [mm^4]		
Cw	25676271 [mm^6]		
Curva di instabilità piano 1-2 (x-x)	**c**		
Curva di instabilità piano 1-3 (y-y)	**c**		

Tubo quadro

B	140.0	[mm]
H	140.0	[mm]
tb	8.0	[mm]
tw	8.0	[mm]

r	20.0	[mm]

Classificazione generale della sezione:

- Compressione : **1**
- Flessione Mx : **1**
- Flessione My : **1**

Nelle verifiche a trazione $N_{u,Rd}=\beta A_{net} f_{t,k}/\gamma_2$ $\beta=0.90$

VERIFICA DI RESISTENZA

Sezione in classe	1	
$Area_{Eff}$	3887	[mm^2]
Wx_{Eff}	185695	[mm^3]
M_{nx}/M_{plx}	0.82	
Wy_{Eff}	185695	[mm^3]
M_{ny}/M_{ply}	0.82	
α	1.94	PressoFlessione Biassiale Cfr. EC3 5.4.8.1 (11)
β	1.94	
Combinazione critica	1	
Ascissa	0.000	[m]
N_D	345.03 [kN]	$N_D/N_R=0.36$
$M_{x,D}$	0.90 [kNm]	$M_{x,D}/M_{x,R}=0.02$
$M_{y,D}$	-0.22 [kNm]	$M_{y,D}/M_{y,R}=0.01$
S_D/S_R	0.36	**VERIFICATA**

VERIFICA DI INSTABILITA DA SFORZO NORMALE

Verifica di Instabilità nel Piano 1/2 / *Profilo Singolo*

Luce	6.385	[m]
β (Lc= β L_{Netta})	0.80	
β_A	1.00	
Raggio d'inerzia i	52.4	[mm]
Snellezza	97.51	
Snellezza ridotta λ	1.12	
Curva d'instabilità	c	
Coeff. di riduzione χ	0.47	
Azione assiale	345.03 [kN]	Combinazione 1
N_{SD}/N_{SR}	0.75	**VERIFICATA**

Verifica di Instabilità nel Piano 1/3 / *Profilo Singolo*

Luce	6.385	[m]
β (Lc= β L_{Netta})	0.80	
β_A	1.00	
Raggio d'inerzia i	52.4	[mm]
Snellezza	97.51	
Snellezza ridotta λ	1.12	
Curva d'instabilità	c	
Coeff. di riduzione χ	0.47	
Azione assiale	345.03 [kN]	Combinazione 1
N_{SD}/N_{SR}	0.75	**VERIFICATA**

VERIFICA DI INSTABILITA A PRESSO-FLESSIONE

Verifica condotta in accordo a EC3 UNI EN 1993-1-1:2005 paragrafo 6.3.3 e appendice A.

Sezione in classe	1	
$Area_{Eff}$	3887	[mm^2]
Wx_{Eff}	185695	[mm^3]
Wy_{Eff}	185695	[mm^3]
Combinazione critica	1	
N_D	345.03 [kN]	$N_D/N_R=0.75$
$M_{x,D}$	7.64 [kNm]	$M_{x,D}/M_{x,R}=0.14$

$M_{y,D}$	0.33 [kNm]	$M_{y,D}/M_{y,R}$=0.00
S_D/S_R	0.89	**VERIFICATA**

Verifica di Instabilità nel Piano 1/2 / *Profilo Singolo*

Luce	6.385	[m]
β (Lc= β L_{Netta})	0.80	
β_A	1.00	
Raggio d'inerzia i	52.4	[mm]
Snellezza	97.51	
Snellezza ridotta λ	1.12	
Curva d'instabilità	c	
Coeff. di riduzione χ	0.47	
Azione assiale	345.03 [kN]	Combinazione 1

Verifica di Instabilità nel Piano 1/3 / *Profilo Singolo*

Luce	6.385	[m]
β (Lc= β L_{Netta})	0.80	
β_A	1.00	
Raggio d'inerzia i	52.4	[mm]
Snellezza	97.51	
Snellezza ridotta λ	1.12	
Curva d'instabilità	c	
Coeff. di riduzione χ	0.47	
Azione assiale	345.03 [kN]	Combinazione 1

Snellezze e Fattori di interazione dei momenti flettenti

Piano	**λ**	**X**	**μ**	**C_m**
1-2	1.12	0.47	0.73	0.702 NON Lineare
1-3	1.12	0.47	0.73	0.742 Lineare

Fattori di Interazione

a_{LT}	0.00	b_{LT}	0.00
c_{LT}	0.00	d_{LT}	0.00
e_{LT}	0.00		
$C_{22\,(yy)}$	1.04	$C_{23\,(yz)}$	0.87
$C_{32\,(zy)}$	0.90	$C_{33\,(zz)}$	1.02
$k_{22\,(yy)}$	0.84	$k_{23\,(yz)}$	0.63
$k_{32\,(zy)}$	0.58	$k_{33\,(zz)}$	0.90

VERIFICHE TRAVE DAL NODO 128 AL NODO 129 / Sez. 4 _||_ Equal Flanges 2-60x6/10 (TIRANTE CAPRIATA)

DATI GENERALI

Luce dell'asta	2.128	[m]
Sezione numero	4	_||_ Equal Flanges 2-60x6/10 (TIRANTE CAPRIATA)
$\beta_{1\text{-}2/x\text{-}x}$	1.00	
$\beta_{1\text{-}3/y\text{-}y}$	1.00	

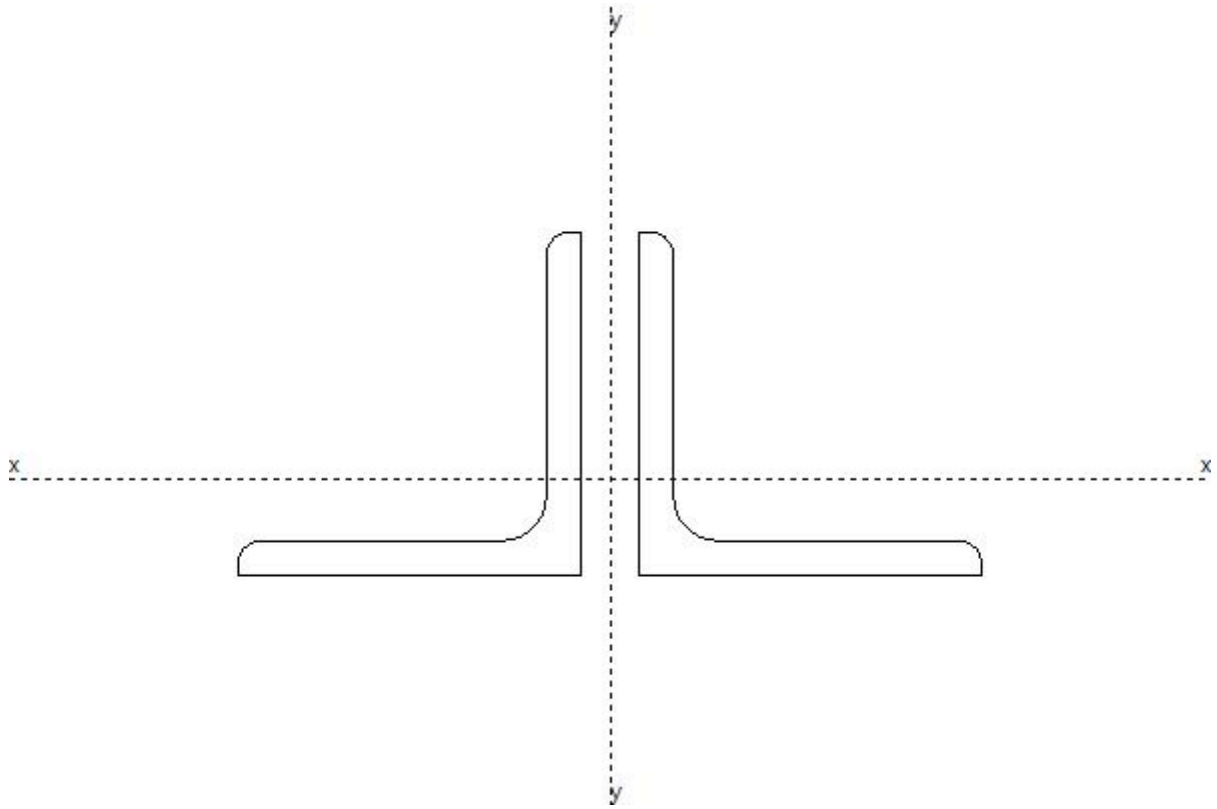
Materiale *S275 S 275 (FE 430)*

f_y	275.0	[MPa]
f_u	430.0	[MPa]
ε	0.92	

Coefficienti di sicurezza:

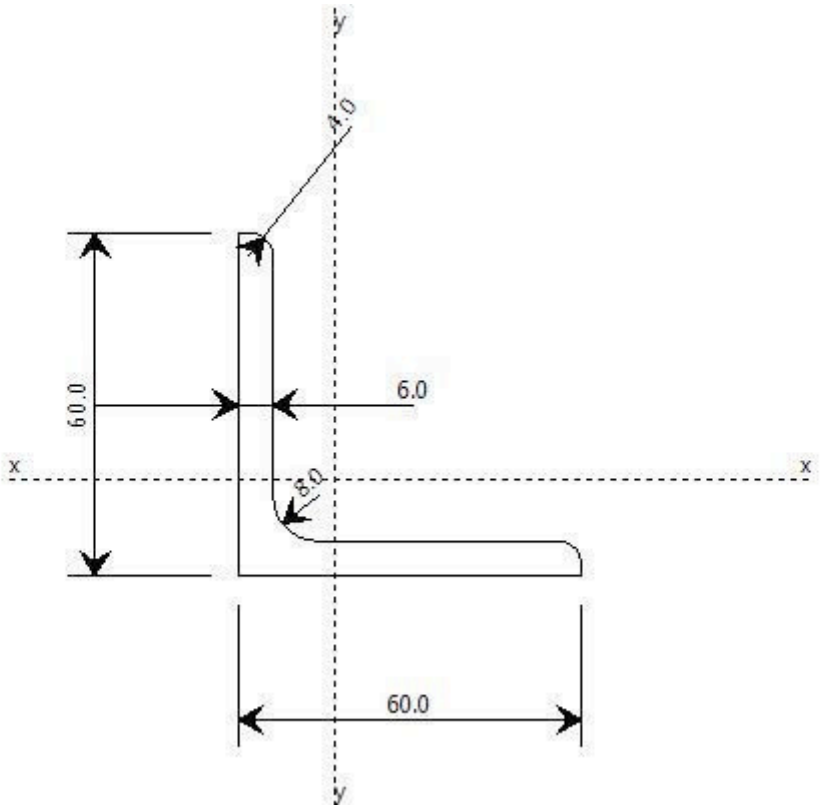
γ_{Mo}	1.10	
γ_{M1}	1.10	
γ_{M2}	1.25	

DATI INERZIALI PROFILO : _||_ *Equal Flanges 2-60x6/10*



Area	1382 [mm²]	A.Traz	1382 [mm²] (L collegamento 0.0 [mm])
Jx	455510 [mm^4]	ix	18.2 [mm]
Wx	10560 [mm³]	Zx	19321 [mm³]
Jy	1116337 [mm^4]	iy	28.4 [mm]
Wy	17174 [mm³]	Zy	30222 [mm³]
Jt	16416 [mm^4]		
Cw	197832428 [mm^6]		
Curva di instabilità piano 1-2 (x-x)	**c**		
Curva di instabilità piano 1-3 (y-y)	**c**		

DATI INERZIALI PROFILO : _||_ *Equal Flanges 2-60x6/10*

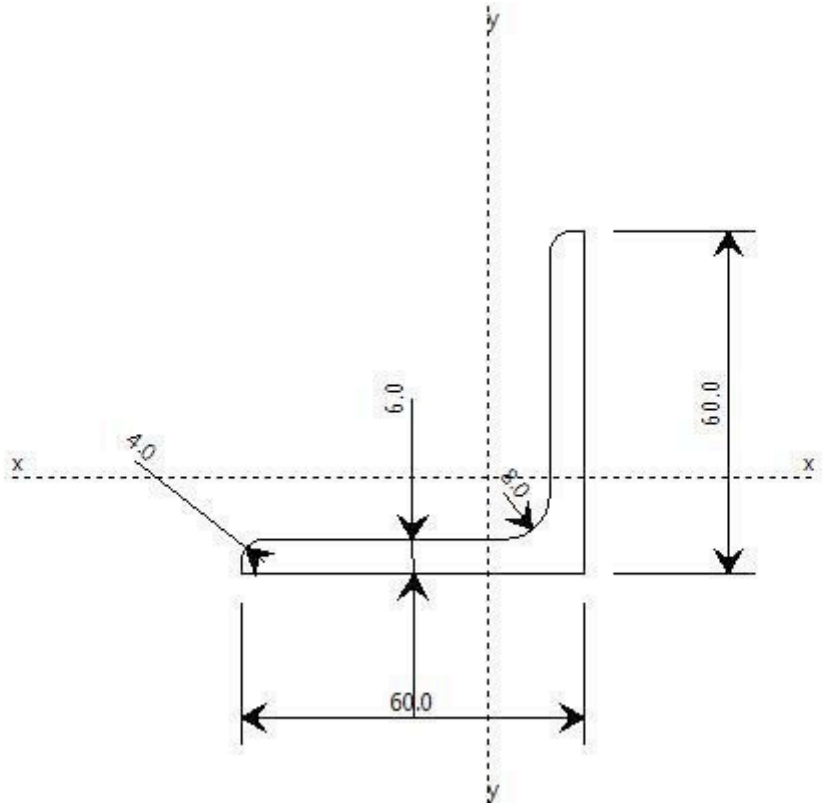


Area	691 [mm²]	A.Traz	691 [mm²] (L collegamento 0.0 [mm])
Jx	227755 [mm^4]	ix	18.2 [mm]
Wx	5280 [mm³]	Zx	9661 [mm³]
Jy	227755 [mm^4]	iy	18.2 [mm]
Wy	5280 [mm³]	Zy	9661 [mm³]
Jt	8208 [mm^4]		
Cw	0 [mm^6]		
Curva di instabilità piano 1-2 (x-x)	**b**		
Curva di instabilità piano 1-3 (y-y)	**b**		

L

B	60.0	[mm]
H	60.0	[mm]
s	6.0	[mm]
R	8.0	[mm]
r	4.0	[mm]

DATI INERZIALI PROFILO : _||_ *Equal Flanges 2-60x6/10*



Area	691 [mm²]	A.Traz	691 [mm²] (L collegamento 0.0 [mm])
Jx	227755 [mm^4]	ix	18.2 [mm]
Wx	5280 [mm³]	Zx	9661 [mm³]
Jy	227755 [mm^4]	iy	18.2 [mm]
Wy	5280 [mm³]	Zy	9661 [mm³]
Jt	8208 [mm^4]		
Cw	0 [mm^6]		
Curva di instabilità piano 1-2 (x-x)	**b**		
Curva di instabilità piano 1-3 (y-y)	**b**		

L

B	60.0	[mm]
H	60.0	[mm]
s	6.0	[mm]
R	8.0	[mm]
r	4.0	[mm]

Classificazione generale della sezione:

- Compressione : **3**
- Flessione Mx : **3**
- Flessione My : **3**

Nelle verifiche a trazione $N_{u,Rd}=\beta A_{net} f_{t,k}/\gamma_2$ $\beta=0.90$

VERIFICA DI RESISTENZA

Sezione in classe	1	
$Area_{Eff}$	1382	[mm²]
Wx_{Eff}	19321	[mm³]
Wy_{Eff}	30222	[mm³]
Combinazione critica	1	
Ascissa	0.290	[m]
N_D	-250.02 [kN]	$N_D/N_R=0.72$
$M_{x,D}$	-0.25 [kNm]	$M_{x,D}/M_{x,R}=0.05$

$M_{y,D}$	0.02 [kNm]	$M_{y,D}/M_{y,R}$=0.00
S_D/S_R	0.78	**VERIFICATA**

VERIFICA DI INSTABILITA DA SFORZO NORMALE

L'asta risulta ***NON COMPRESSA.***

VERIFICA DI INSTABILITA A PRESSO-FLESSIONE

Verifica condotta in accordo a EC3 UNI EN 1993-1-1:2005 paragrafo 6.3.3 e appendice A.
L'asta risulta ***NON COMPRESSA.***

VERIFICHE PILASTRO DAL NODO 128 AL NODO 254 / Sez. 2 _||_ Equal Flanges 2-50x5/10 (MONTANTE CAPRIATA)

DATI GENERALI

Luce dell'asta	1.150	[m]
Sezione numero	2	_||_ Equal Flanges 2-50x5/10 (MONTANTE CAPRIATA)
$\beta_{1\text{-}2/x\text{-}x}$	1.00	
$\beta_{1\text{-}3/y\text{-}y}$	1.00	

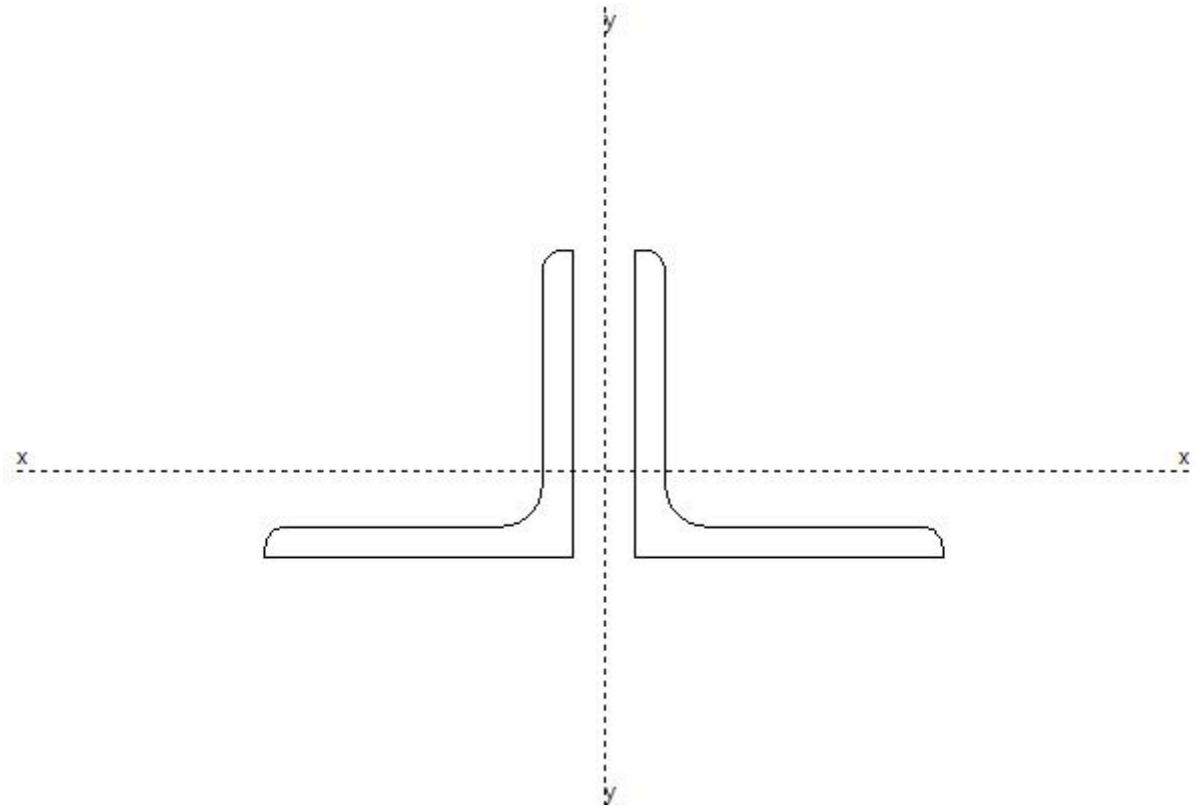
Materiale *S275 S 275 (FE 430)*

f_y	275.0	[MPa]
f_u	430.0	[MPa]
ε	0.92	

Coefficienti di sicurezza:

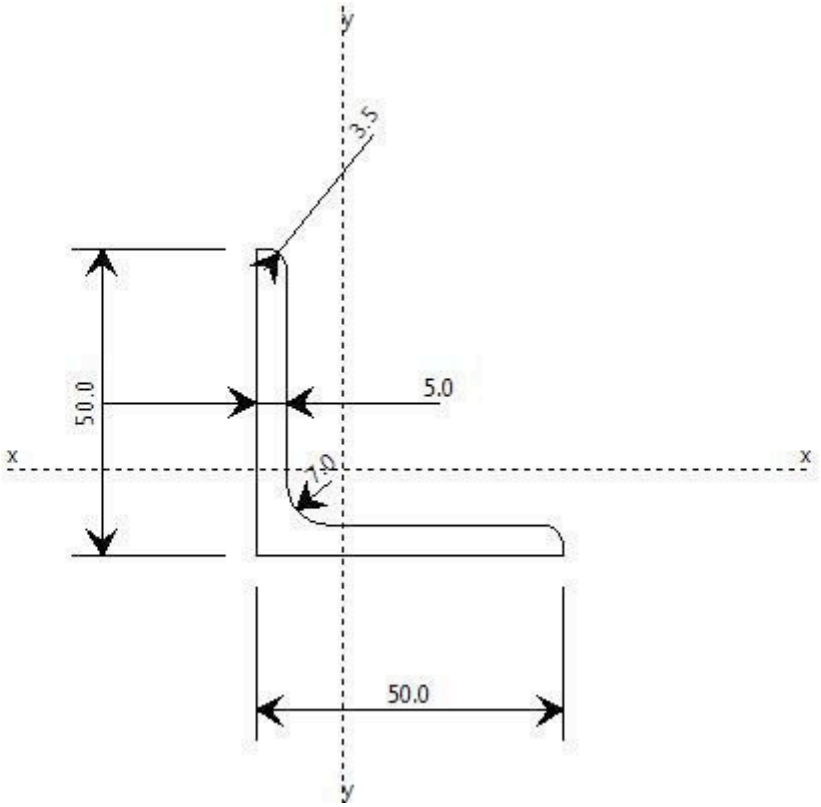
γ_{Mo}	1.10	
γ_{M1}	1.10	
γ_{M2}	1.25	

DATI INERZIALI PROFILO : _||_ *Equal Flanges 2-50x5/10*



Area	961 [mm²]	A.Traz	961 [mm²] (L collegamento 0.0 [mm])
Jx	219104 [mm^4]	ix	15.1 [mm]
Wx	6091 [mm³]	Zx	11164 [mm³]
Jy	566985 [mm^4]	iy	24.3 [mm]
Wy	10309 [mm³]	Zy	18283 [mm³]
Jt	7917 [mm^4]		
Cw	70471092 [mm^6]		
Curva di instabilità piano 1-2 (x-x)	**c**		
Curva di instabilità piano 1-3 (y-y)	**c**		

DATI INERZIALI PROFILO : _||_ *Equal Flanges 2-50x5/10*

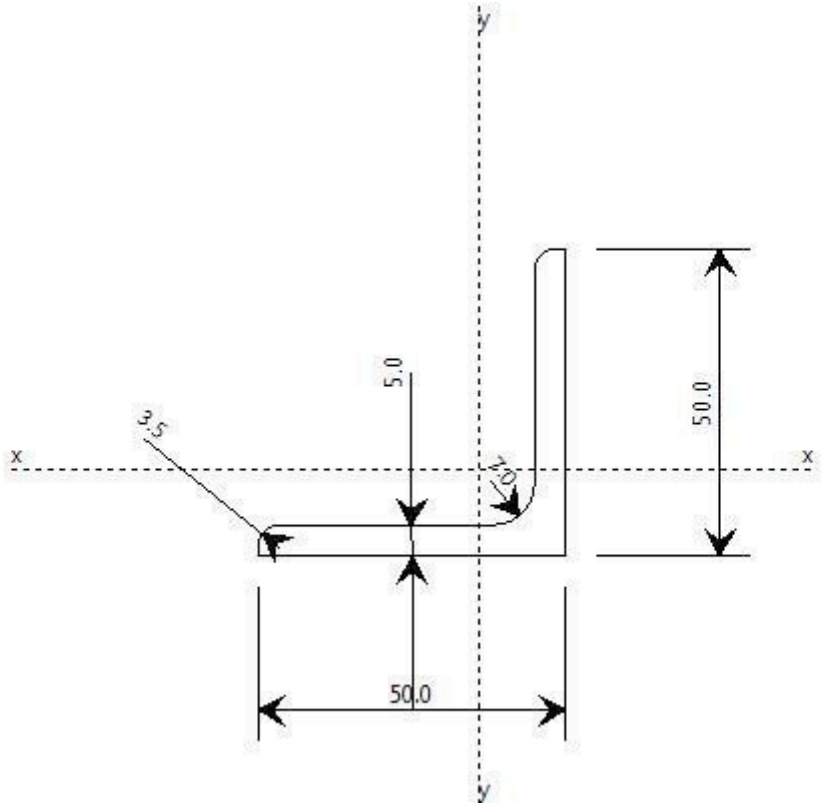


Area	480 [mm²]	A.Traz	480 [mm²] (L collegamento 0.0 [mm])
Jx	109552 [mm^4]	ix	15.1 [mm]
Wx	3045 [mm³]	Zx	5582 [mm³]
Jy	109552 [mm^4]	iy	15.1 [mm]
Wy	3045 [mm³]	Zy	5582 [mm³]
Jt	3958 [mm^4]		
Cw	0 [mm^6]		
Curva di instabilità piano 1-2 (x-x)	**b**		
Curva di instabilità piano 1-3 (y-y)	**b**		

L

B	50.0	[mm]
H	50.0	[mm]
s	5.0	[mm]
R	7.0	[mm]
r	3.5	[mm]

DATI INERZIALI PROFILO : _||_ *Equal Flanges 2-50x5/10*



Area	480 [mm²]	A.Traz	480 [mm²] (L collegamento 0.0 [mm])
Jx	109552 [mm^4]	ix	15.1 [mm]
Wx	3045 [mm³]	Zx	5582 [mm³]
Jy	109552 [mm^4]	iy	15.1 [mm]
Wy	3045 [mm³]	Zy	5582 [mm³]
Jt	3958 [mm^4]		
Cw	0 [mm^6]		
Curva di instabilità piano 1-2 (x-x)	**b**		
Curva di instabilità piano 1-3 (y-y)	**b**		

L

B	50.0	[mm]
H	50.0	[mm]
s	5.0	[mm]
R	7.0	[mm]
r	3.5	[mm]

Classificazione generale della sezione:

- Compressione : **3**
- Flessione Mx : **3**
- Flessione My : **3**

Nelle verifiche a trazione $N_{u,Rd}=\beta A_{net} f_{t,k}/\gamma_2$ $\beta=0.90$

VERIFICA DI RESISTENZA

Sezione in classe	3	
$Area_{Eff}$	961	[mm²]
Wx_{Eff}	6091	[mm³]
Wy_{Eff}	10309	[mm³]
Combinazione critica	1	
Ascissa	0.000	[m]
N_D	119.00 [kN]	$N_D/N_R=0.50$
$M_{x,D}$	0.00 [kNm]	$M_{x,D}/M_{x,R}=0.00$

$M_{y,D}$	-0.00 [kNm]	$M_{y,D}/M_{y,R}$=0.00
S_D/S_R	0.50	**VERIFICATA**

VERIFICA DI INSTABILITA DA SFORZO NORMALE

Verifica di Instabilità nel Piano 1/2 / *Profilo Singolo*

Luce	1.150	[m]
β (Lc= β L_{Netta})	1.00	
β_A	1.00	
Raggio d'inerzia i	15.1	[mm]
Snellezza	76.15	
Snellezza ridotta λ	0.88	
Curva d'instabilità	c	
Coeff. di riduzione χ	0.61	
Azione assiale	119.00 [kN]	Combinazione 1
N_{SD}/N_{SR}	0.81	**VERIFICATA**

Verifica di Instabilità nel Piano 1/3 / *Profilo Singolo*

Luce	1.150	[m]
β (Lc= β L_{Netta})	1.00	
β_A	1.00	
Raggio d'inerzia i	24.3	[mm]
Snellezza	47.34	
Snellezza ridotta λ	0.55	
Curva d'instabilità	c	
Coeff. di riduzione χ	0.82	
Azione assiale	119.00 [kN]	Combinazione 1
N_{SD}/N_{SR}	0.61	**VERIFICATA**

VERIFICA DI INSTABILITA A PRESSO-FLESSIONE

Verifica condotta in accordo a EC3 UNI EN 1993-1-1:2005 paragrafo 6.3.3 e appendice A.

Sezione in classe	3	
$Area_{Eff}$	961	[mm^2]
Wx_{Eff}	6091	[mm^3]
Wy_{Eff}	10309	[mm^3]
Combinazione critica	1	
N_D	119.00 [kN]	N_D/N_R=0.81
$M_{x,D}$	0.00 [kNm]	$M_{x,D}/M_{x,R}$=0.00
$M_{y,D}$	-0.00 [kNm]	$M_{y,D}/M_{y,R}$=0.00
S_D/S_R	0.81	**VERIFICATA**

Verifica di Instabilità nel Piano 1/2 / *Profilo Singolo*

Luce	1.150	[m]
β (Lc= β L_{Netta})	1.00	
β_A	1.00	
Raggio d'inerzia i	15.1	[mm]
Snellezza	76.15	
Snellezza ridotta λ	0.88	
Curva d'instabilità	c	
Coeff. di riduzione χ	0.61	
Azione assiale	119.00 [kN]	Combinazione 1

Verifica di Instabilità nel Piano 1/3 / *Profilo Singolo*

Luce	1.150	[m]
β (Lc= β L_{Netta})	1.00	
β_A	1.00	
Raggio d'inerzia i	24.3	[mm]
Snellezza	47.34	
Snellezza ridotta λ	0.55	
Curva d'instabilità	c	
Coeff. di riduzione χ	0.82	
Azione assiale	119.00 [kN]	Combinazione 1

Snellezze e Fattori di interazione dei momenti flettenti

Piano	λ	X	μ	C_m
1-2	0.88	0.61	0.83	1.084 Lineare
1-3	0.55	0.82	0.97	1.032 Lineare

Fattori di Interazione

a_{LT}	0.96	b_{LT}	-0.00
c_{LT}	0.00	d_{LT}	-0.00
e_{LT}	0.00		
$C_{22\ (yy)}$	0.98	$C_{23\ (yz)}$	1.12
$C_{32\ (zy)}$	1.08	$C_{33\ (zz)}$	1.03
$k_{22\ (yy)}$	1.38	$k_{23\ (yz)}$	0.99
$k_{32\ (zy)}$	1.61	$k_{33\ (zz)}$	1.16

VERIFICHE TRAVE DAL NODO 130 AL NODO 257 / Sez. 5 _||_ Equal Flanges 2-50x5/10 (DIAGONALE CAPRIATA)

DATI GENERALI

Luce dell'asta	2.419	[m]
Sezione numero	5	_||_ Equal Flanges 2-50x5/10 (DIAGONALE CAPRIATA)
$\beta_{1\text{-}2/x\text{-}x}$	1.00	
$\beta_{1\text{-}3/y\text{-}y}$	1.00	

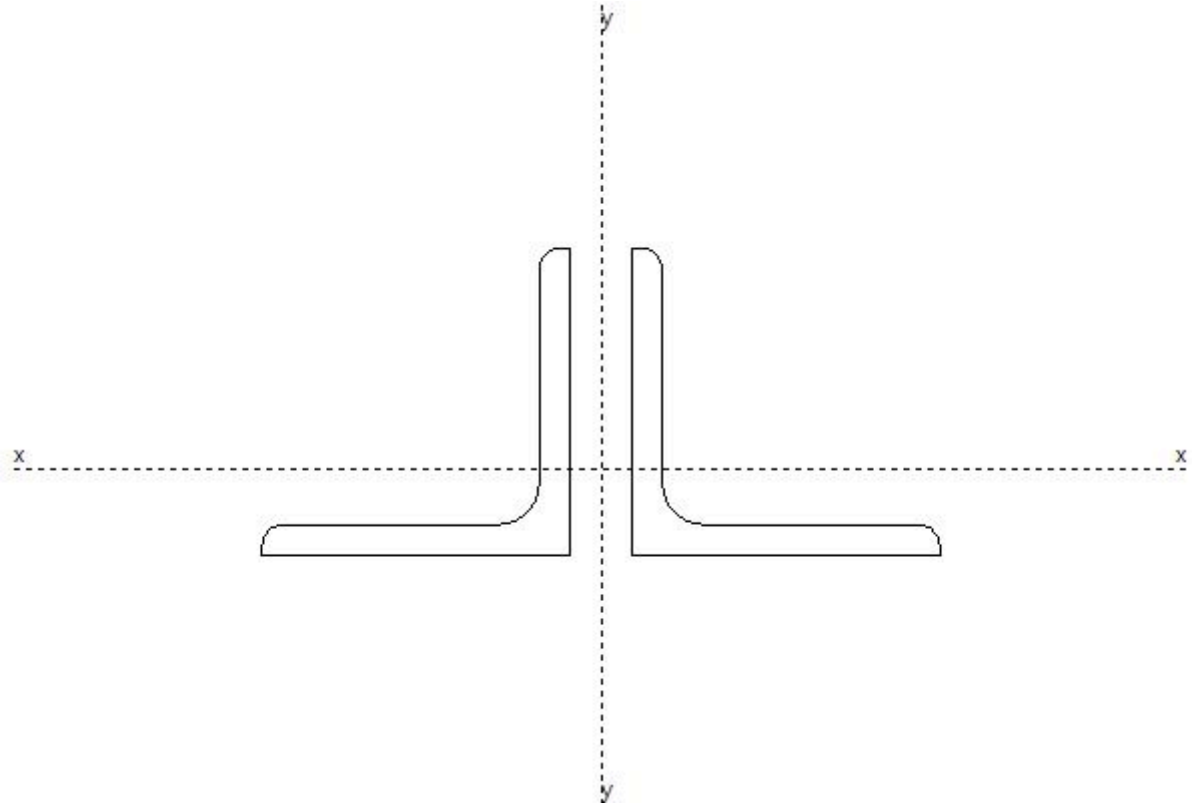
Materiale *S275 S 275 (FE 430)*

f_y	275.0	[MPa]
f_u	430.0	[MPa]
ε	0.92	

Coefficienti di sicurezza:

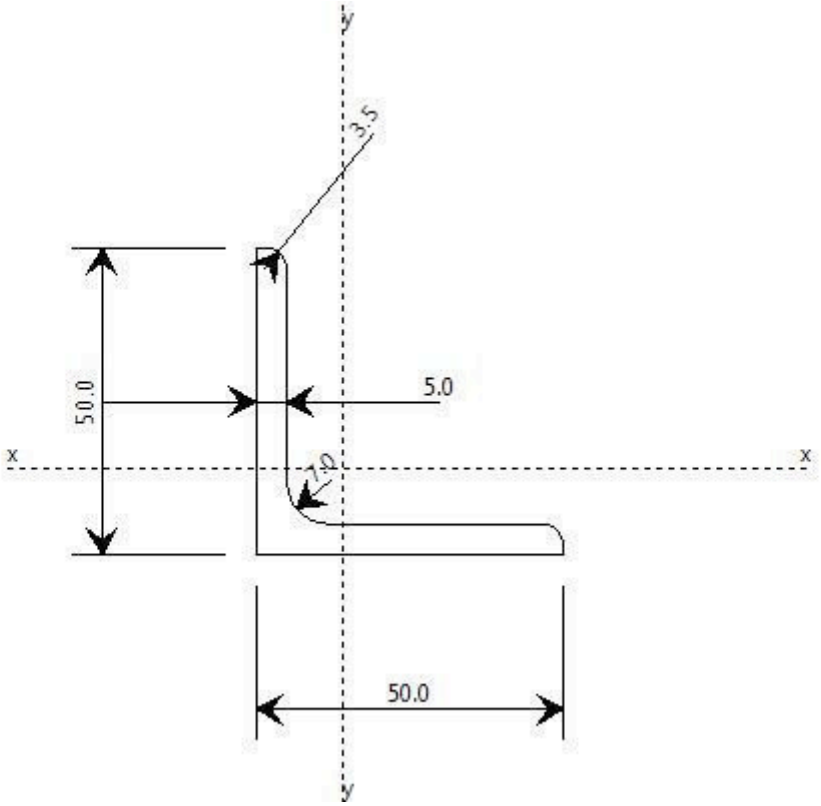
γ_{Mo}	1.10	
γ_{M1}	1.10	
γ_{M2}	1.25	

DATI INERZIALI PROFILO : _||_ *Equal Flanges 2-50x5/10*



Area	961 [mm²]	A.Traz	961 [mm²] (L collegamento 0.0 [mm])
Jx	219104 [mm^4]	ix	15.1 [mm]
Wx	6091 [mm³]	Zx	11164 [mm³]
Jy	566985 [mm^4]	iy	24.3 [mm]
Wy	10309 [mm³]	Zy	18283 [mm³]
Jt	7917 [mm^4]		
Cw	70471092 [mm^6]		
Curva di instabilità piano 1-2 (x-x)	**c**		
Curva di instabilità piano 1-3 (y-y)	**c**		

DATI INERZIALI PROFILO : _||_ *Equal Flanges 2-50x5/10*

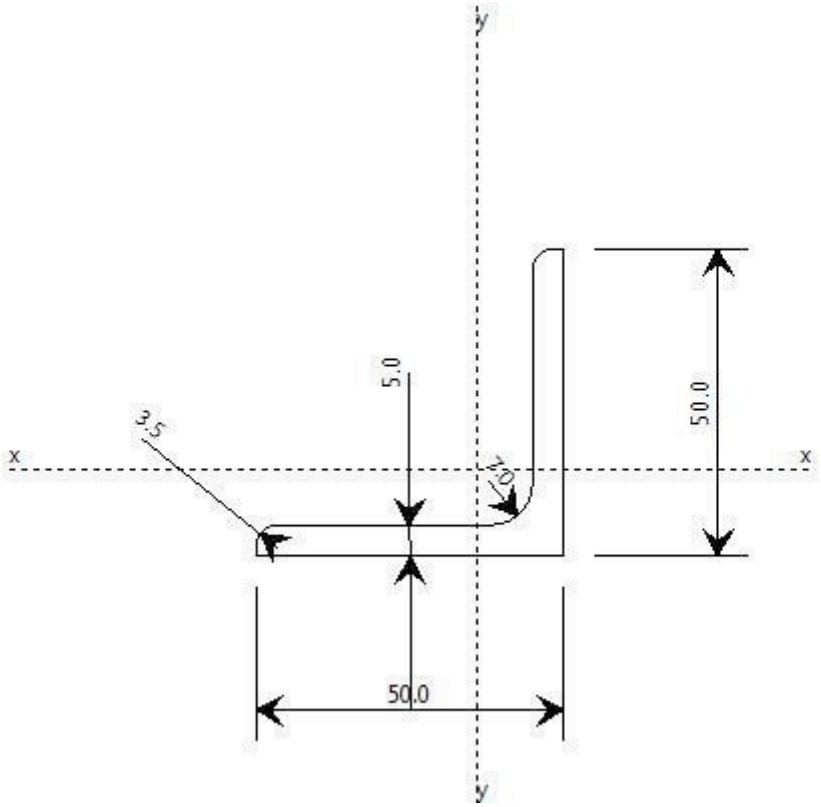


Area	480 [mm²]	A.Traz	480 [mm²] (L collegamento 0.0 [mm])
Jx	109552 [mm^4]	ix	15.1 [mm]
Wx	3045 [mm³]	Zx	5582 [mm³]
Jy	109552 [mm^4]	iy	15.1 [mm]
Wy	3045 [mm³]	Zy	5582 [mm³]
Jt	3958 [mm^4]		
Cw	0 [mm^6]		
Curva di instabilità piano 1-2 (x-x)	**b**		
Curva di instabilità piano 1-3 (y-y)	**b**		

L

B	50.0	[mm]
H	50.0	[mm]
s	5.0	[mm]
R	7.0	[mm]
r	3.5	[mm]

DATI INERZIALI PROFILO : _||_ *Equal Flanges 2-50x5/10*



Area	480 [mm²]	A.Traz	480 [mm²] (L collegamento 0.0 [mm])
Jx	109552 [mm^4]	ix	15.1 [mm]
Wx	3045 [mm³]	Zx	5582 [mm³]
Jy	109552 [mm^4]	iy	15.1 [mm]
Wy	3045 [mm³]	Zy	5582 [mm³]
Jt	3958 [mm^4]		
Cw	0 [mm^6]		
Curva di instabilità piano 1-2 (x-x)	**b**		
Curva di instabilità piano 1-3 (y-y)	**b**		

L

B	50.0	[mm]
H	50.0	[mm]
s	5.0	[mm]
R	7.0	[mm]
r	3.5	[mm]

Classificazione generale della sezione:

- Compressione : **3**
- Flessione Mx : **3**
- Flessione My : **3**

Nelle verifiche a trazione $N_{u,Rd}=\beta A_{net} f_{t,k}/\gamma_2$ $\beta=0.90$

VERIFICA DI RESISTENZA

Sezione in classe	1	
$Area_{Eff}$	961	[mm²]
Wx_{Eff}	11164	[mm³]
Wy_{Eff}	18283	[mm³]
Combinazione critica	1	
Ascissa	1.210	[m]
N_D	-142.93 [kN]	$N_D/N_R=0.60$
$M_{x,D}$	-0.06 [kNm]	$M_{x,D}/M_{x,R}=0.02$

$M_{y,D}$	-0.00 [kNm]	$M_{y,D}/M_{y,R}$=0.00
S_D/S_R	0.62	**VERIFICATA**

VERIFICA DI INSTABILITA DA SFORZO NORMALE

L'asta risulta ***NON COMPRESSA.***

VERIFICA DI INSTABILITA A PRESSO-FLESSIONE

Verifica condotta in accordo a EC3 UNI EN 1993-1-1:2005 paragrafo 6.3.3 e appendice A.
L'asta risulta ***NON COMPRESSA.***

VERIFICHE TRAVE DAL NODO 128 AL NODO 135 / Sez. 6 TQ 50x3 (COLLEGAMENTO CAPRIATE)

DATI GENERALI

Luce dell'asta	2.790	[m]
Sezione numero	6	TQ 50x3 (COLLEGAMENTO CAPRIATE)
$\beta_{1-2/x-x}$	1.00	
$\beta_{1-3/y-y}$	1.00	

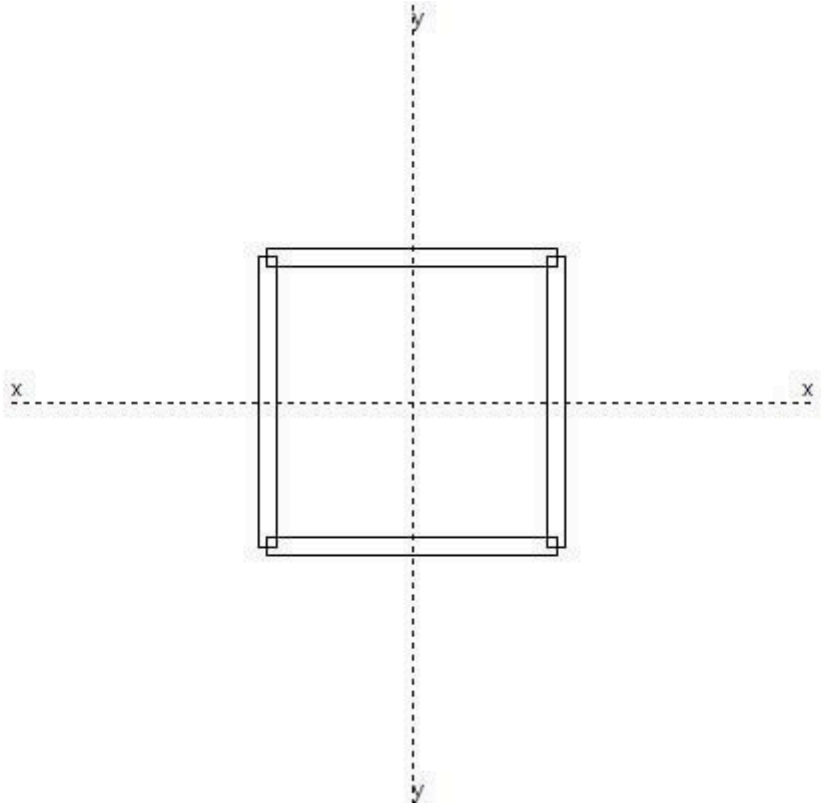
Materiale *S275 S 275 (FE 430)*

f_y	275.0	[MPa]
f_u	430.0	[MPa]
ε	0.92	

Coefficienti di sicurezza:

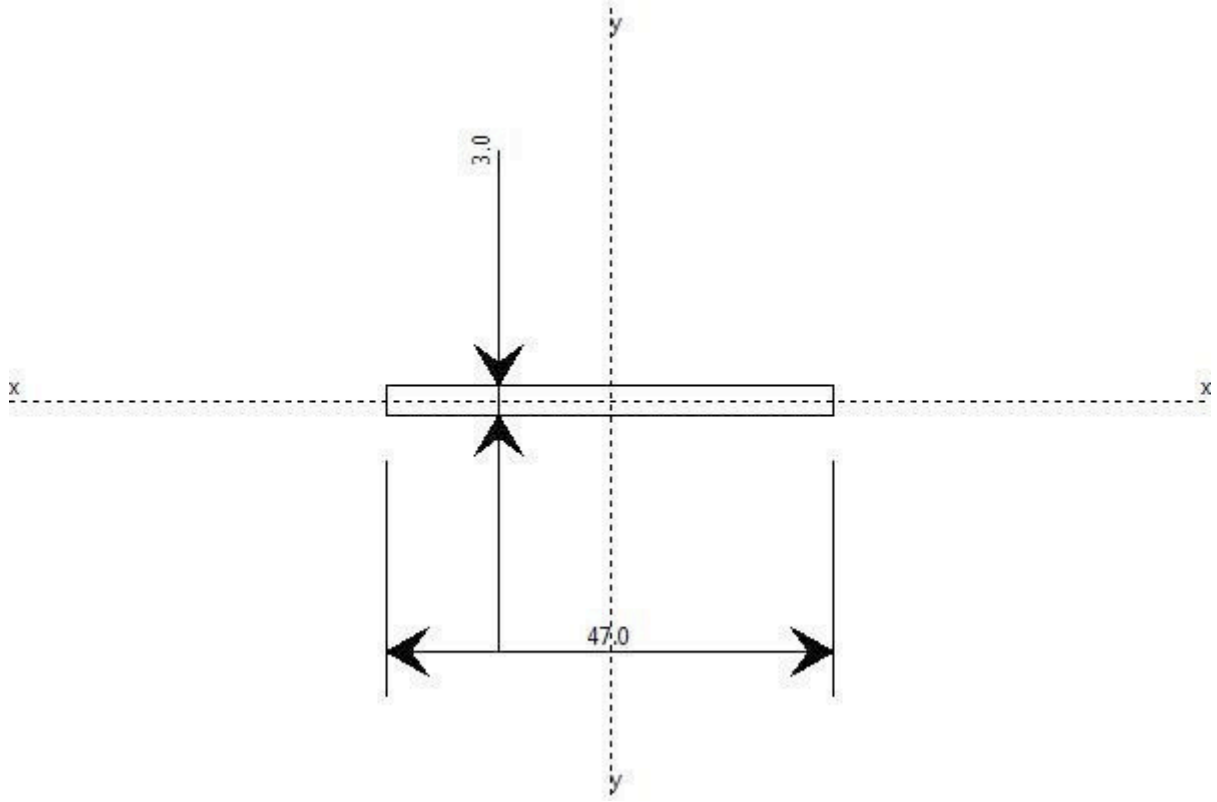
γ_{Mo}	1.10	
γ_{M1}	1.10	
γ_{M2}	1.25	

DATI INERZIALI PROFILO : *TQ 50x3*



Area	564 [mm²]	A.Traz	564 [mm²] (L collegamento 0.0 [mm])
Jx	207857 [mm^4]	ix	19.2 [mm]
Wx	8314 [mm³]	Zx	9940 [mm³]
Jy	207857 [mm^4]	iy	19.2 [mm]
Wy	8314 [mm³]	Zy	9940 [mm³]
Jt	311469 [mm^4]		
Cw	0 [mm^6]		
Curva di instabilità piano 1-2 (x-x)	**c**		
Curva di instabilità piano 1-3 (y-y)	**c**		

DATI INERZIALI PROFILO : *Piatto 47.0x3*

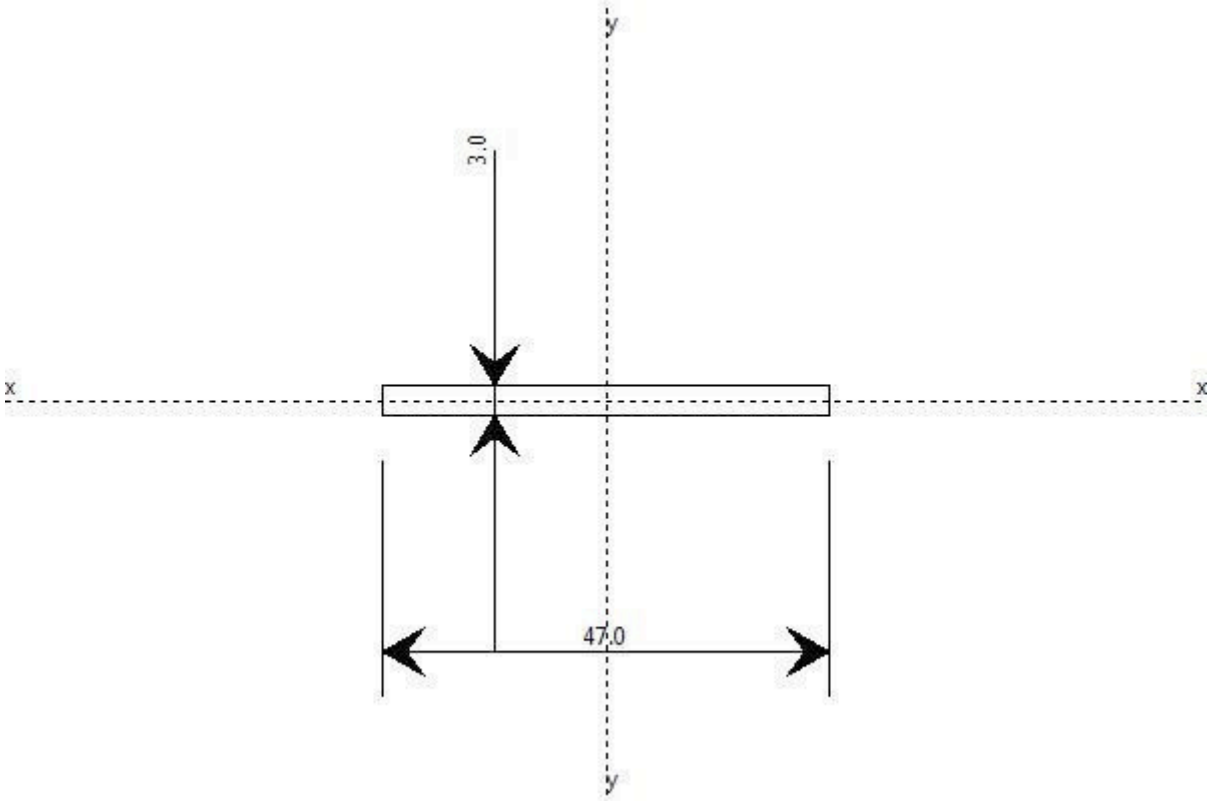


Area	141 [mm^2]	A.Traz	141 [mm^2] (L collegamento 0.0 [mm])
Jx	106 [mm^4]	ix	0.9 [mm]
Wx	71 [mm^3]	Zx	106 [mm^3]
Jy	25956 [mm^4]	iy	13.6 [mm]
Wy	1104 [mm^3]	Zy	1657 [mm^3]
Jt	423 [mm^4]		
Cw	0 [mm^6]		
Curva di instabilità piano 1-2 (x-x)	**c**		
Curva di instabilità piano 1-3 (y-y)	**c**		

Piatto

L	47.0	[mm]
t	3.0	[mm]

DATI INERZIALI PROFILO : *Piatto 47.0x3*

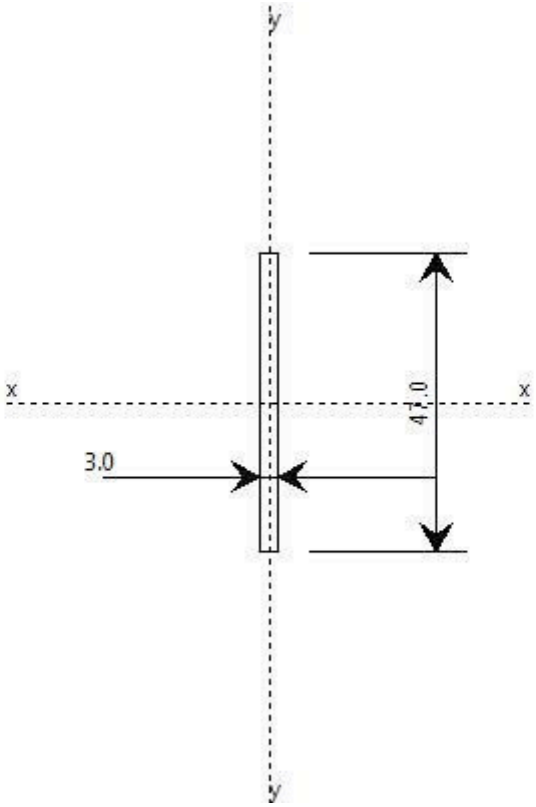


Area	141 [mm^2]	A.Traz	141 [mm^2] (L collegamento 0.0 [mm])
Jx	106 [mm^4]	ix	0.9 [mm]
Wx	71 [mm^3]	Zx	106 [mm^3]
Jy	25956 [mm^4]	iy	13.6 [mm]
Wy	1104 [mm^3]	Zy	1657 [mm^3]
Jt	423 [mm^4]		
Cw	0 [mm^6]		
Curva di instabilità piano 1-2 (x-x)	**c**		
Curva di instabilità piano 1-3 (y-y)	**c**		

Piatto

L	47.0	[mm]
t	3.0	[mm]

DATI INERZIALI PROFILO : *Piatto 47.0x3*

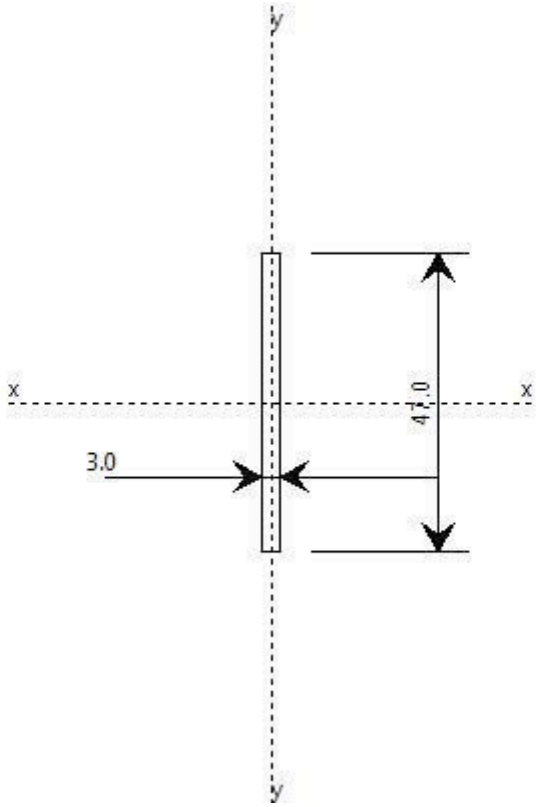


Area	141 [mm^2]	A.Traz	141 [mm^2] (L collegamento 0.0 [mm])
Jx	106 [mm^4]	ix	0.9 [mm]
Wx	71 [mm^3]	Zx	106 [mm^3]
Jy	25956 [mm^4]	iy	13.6 [mm]
Wy	1104 [mm^3]	Zy	1657 [mm^3]
Jt	423 [mm^4]		
Cw	0 [mm^6]		
Curva di instabilità piano 1-2 (x-x)	**c**		
Curva di instabilità piano 1-3 (y-y)	**c**		

Piatto

L	47.0	[mm]
t	3.0	[mm]

DATI INERZIALI PROFILO : *Piatto 47.0x3*



Area	141 [mm^2]	A.Traz	141 [mm^2] (L collegamento 0.0 [mm])
Jx	106 [mm^4]	ix	0.9 [mm]
Wx	71 [mm^3]	Zx	106 [mm^3]
Jy	25956 [mm^4]	iy	13.6 [mm]
Wy	1104 [mm^3]	Zy	1657 [mm^3]
Jt	423 [mm^4]		
Cw	0 [mm^6]		
Curva di instabilità piano 1-2 (x-x)	**c**		
Curva di instabilità piano 1-3 (y-y)	**c**		

Piatto

L	47.0	[mm]
t	3.0	[mm]

Classificazione generale della sezione:

- Compressione : **1**
- Flessione Mx : **1**
- Flessione My : **1**

Nelle verifiche a trazione $N_{u,Rd}=\beta A_{net} f_{t,k}/\gamma_2$ $\beta=0.90$

VERIFICA DI RESISTENZA

Sezione in classe	1	
$Area_{Eff}$	564	[mm^2]
Wx_{Eff}	9940	[mm^3]
Wy_{Eff}	9940	[mm^3]
Combinazione critica	1	
Ascissa	0.000	[m]
N_D	-5.74 [kN]	N_D/N_R=0.04
$M_{x,D}$	0.00 [kNm]	$M_{x,D}/M_{x,R}$=0.00
$M_{y,D}$	-0.00 [kNm]	$M_{y,D}/M_{y,R}$=0.00
S_D/S_R	0.04	**VERIFICATA**

VERIFICA DI INSTABILITA DA SFORZO NORMALE

L'asta risulta ***NON COMPRESSA.***

VERIFICA DI INSTABILITA A PRESSO-FLESSIONE

Verifica condotta in accordo a EC3 UNI EN 1993-1-1:2005 paragrafo 6.3.3 e appendice A.
L'asta risulta ***NON COMPRESSA.***

VERIFICHE BIELLA DAL NODO 131 AL NODO 135 / Sez. 1 Tondini ø16 (CONTROVENTI)

DATI GENERALI

Luce dell'asta	6.968	[m]
Sezione numero	1	Tondini ø16 (CONTROVENTI)
$\beta_{1-2/x-x}$	1.00	
$\beta_{1-3/y-y}$	1.00	

Materiale *S355 S 355*

f_y	355.0	[MPa]
f_u	510.0	[MPa]
ε	0.81	

Coefficienti di sicurezza:

γ_{Mo}	1.10	
γ_{M1}	1.10	
γ_{M2}	1.25	

DATI INERZIALI PROFILO : *Tondini ø16*

Area	201 [mm²]	A.Traz	201 [mm²] (L collegamento 0.0 [mm])
Jx	3200 [mm^4]	ix	4.0 [mm]
Wx	400 [mm³]	Zx	680 [mm³]
Jy	3200 [mm^4]	iy	4.0 [mm]
Wy	400 [mm³]	Zy	680 [mm³]
Jt	6400 [mm^4]		
Cw	1000000 [mm^6]		
Curva di instabilità piano 1-2 (x-x)	**c**		
Curva di instabilità piano 1-3 (y-y)	**c**		

Attenzione! Profilo per il quale la classificazione non è implementata! Si assume, per ogni tipo di verifica che il profilo sia in **classe 3**

VERIFICA DI RESISTENZA

Sezione in classe	3	
$Area_{Eff}$	201	[mm²]
Combinazione critica	12	
Ascissa	0.000	[m]
N_D	57.32 [kN]	N_D/N_R=0.88
S_D/S_R	0.88	**VERIFICATA**

VERIFICHE BIELLA DAL NODO 280 AL NODO 81 / Sez. 10 Tondini ø16 (TIRANTI)

DATI GENERALI

Luce dell'asta	1.966	[m]
Sezione numero	10	Tondini ø16 (TIRANTI)
$\beta_{1-2/x-x}$	1.00	
$\beta_{1-3/y-y}$	1.00	

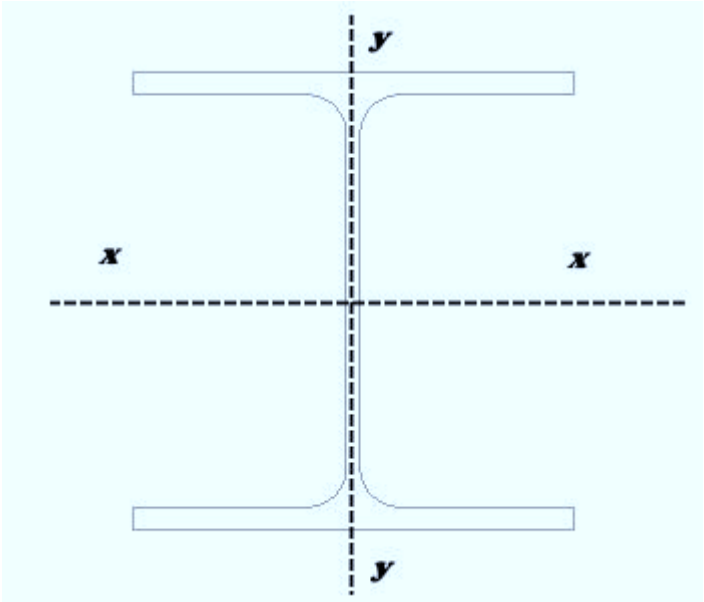
Materiale *S355 S 355*

f_y	355.0	[MPa]
f_u	510.0	[MPa]
ε	0.81	

Coefficienti di sicurezza:

γ_{Mo}	1.10	
γ_{M1}	1.10	
γ_{M2}	1.25	

DATI INERZIALI PROFILO : *Tondini ø16*



Area	201 [mm²]	A.Traz	201 [mm²] (L collegamento 0.0 [mm])
Jx	3200 [mm^4]	ix	4.0 [mm]
Wx	400 [mm³]	Zx	680 [mm³]
Jy	3200 [mm^4]	iy	4.0 [mm]
Wy	400 [mm³]	Zy	680 [mm³]
Jt	6400 [mm^4]		
Cw	1000000 [mm^6]		
Curva di instabilità piano 1-2 (x-x)	**c**		
Curva di instabilità piano 1-3 (y-y)	**c**		

Attenzione! Profilo per il quale la classificazione non è implementata! Si assume, per ogni tipo di verifica che il profilo sia in **classe 3**

VERIFICA DI RESISTENZA

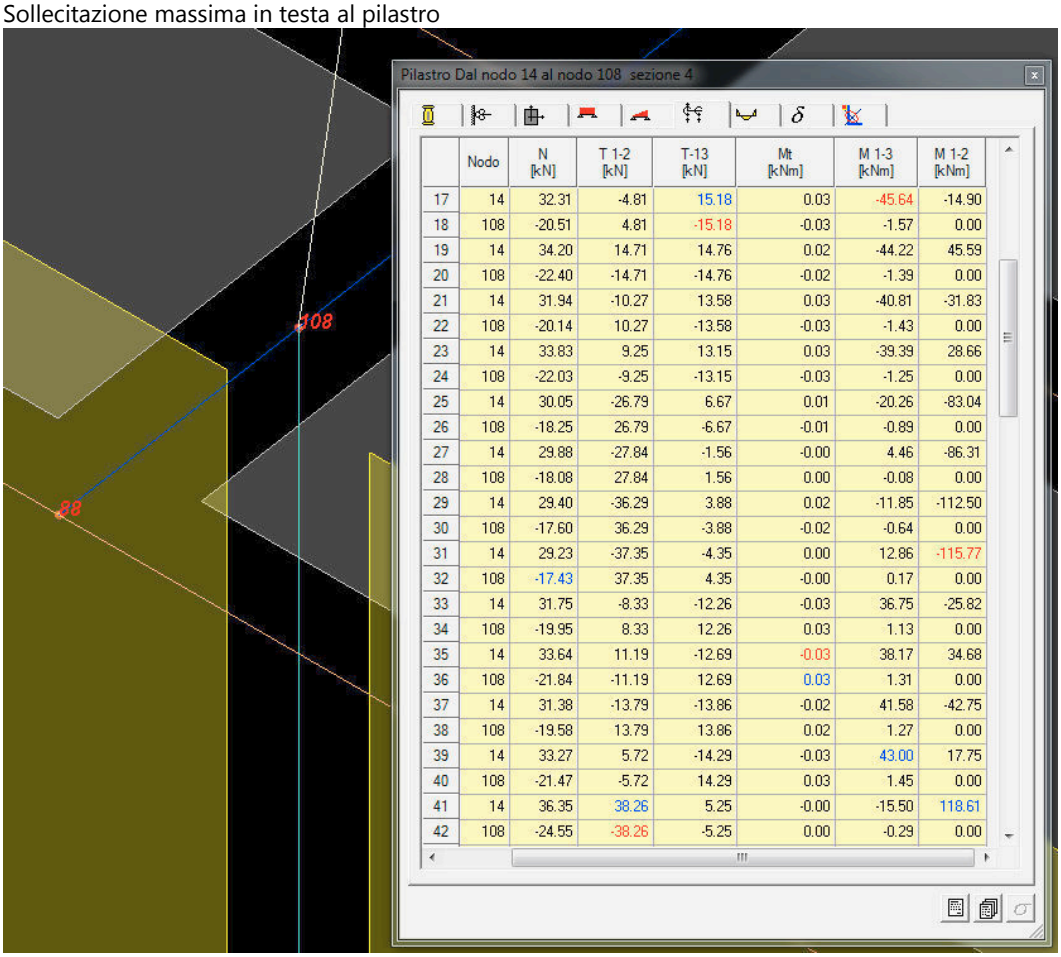
Sezione in classe	1	
$Area_{Eff}$	201	[mm²]
Combinazione critica	1	
Ascissa	0.000	[m]
N_D	-26.21 [kN]	N_D/N_R=0.40
S_D/S_R	0.40	**VERIFICATA**

Allegato2

Verifica delle connessioni

CONNESSIONE TRAVE IPE – MONTANTE HEB – COLONNE ESTERNE

Sollecitazione massima in testa al pilastro



	Nodo	N [kN]	T 1-2 [kN]	T-13 [kN]	Mt [kNm]	M 1-3 [kNm]	M 1-2 [kNm]
17	14	32.31	-4.81	15.18	0.03	-45.64	-14.90
18	108	-20.51	4.81	-15.18	-0.03	-1.57	0.00
19	14	34.20	14.71	14.76	0.02	-44.22	45.59
20	108	-22.40	-14.71	-14.76	-0.02	-1.39	0.00
21	14	31.94	-10.27	13.58	0.03	-40.81	-31.83
22	108	-20.14	10.27	-13.58	-0.03	-1.43	0.00
23	14	33.83	9.25	13.15	0.03	-39.39	28.66
24	108	-22.03	-9.25	-13.15	-0.03	-1.25	0.00
25	14	30.05	-26.79	6.67	0.01	-20.26	-83.04
26	108	-18.25	26.79	-6.67	-0.01	-0.89	0.00
27	14	29.88	-27.84	-1.56	-0.00	4.46	-86.31
28	108	-18.08	27.84	1.56	0.00	-0.08	0.00
29	14	29.40	-36.29	3.88	0.02	-11.85	-112.50
30	108	-17.60	36.29	-3.88	-0.02	-0.64	0.00
31	14	29.23	-37.35	-4.35	0.00	12.86	-115.77
32	108	-17.43	37.35	4.35	-0.00	0.17	0.00
33	14	31.75	-8.33	-12.26	-0.03	36.75	-25.82
34	108	-19.95	8.33	12.26	0.03	1.13	0.00
35	14	33.64	11.19	-12.69	-0.03	38.17	34.68
36	108	-21.84	-11.19	12.69	0.03	1.31	0.00
37	14	31.38	-13.79	-13.86	-0.02	41.58	-42.75
38	108	-19.58	13.79	13.86	0.02	1.27	0.00
39	14	33.27	5.72	-14.29	-0.03	43.00	17.75
40	108	-21.47	-5.72	14.29	0.03	1.45	0.00
41	14	36.35	38.26	5.25	-0.00	-15.50	118.61
42	108	-24.55	-38.26	-5.25	0.00	-0.29	0.00

In favore di sicurezza si combinano i tagli massimi (anche se non contemporanei)
V_MAX = radq (15.18^2 + 38.26^2) = 41.16 kN

Il collegamento è realizzato con 6 bulloni M20 su piastre sp.10mm

Classe bulloni	Classe dado	f_{yb} [MPa]	f_{tb} [MPa]	α_V	γ_{M2}	γ_{M3}	$\gamma_{M6,ser}$	γ_{M7}
8.8	8	640.00	800.00	0.6	1.25	1.25	1.00	1.10

Classe bulloni	Diametro [mm]	Classe acciaio piatti	d_m [mm]	t_p [mm]	e [mm]	p [mm]	$F_{p,C}$ [kN]	n [mm]
8.8	20	S 235 - UNI EN 10025-2	30.00	10	30	100	124.73	1

$F_{v,Rd,min}$ [kN]	$F_{v,Rd,max}$ [kN]	$F_{t,Rd}$ [kN]	$B_{p,Rd}$ [kN]	$F_{b,Rd}$ [kN]	$F_{s,Rd}$ [kN]	d_0 [mm]	e_{min} [mm]	e_{max} [mm]	p_{min} [mm]	p_{max} [mm]
94.08	120.64	141.12	162.86	63.09	29.93	21	25	80	50	140

Legenda:

- $F_{p,C}$ = Forza di precarico del bullone
- $F_{v,Rd,min}$ = Resistenza a taglio parte filettata
- $F_{v,Rd,max}$ = Resistenza a taglio gambo
- $F_{t,Rd}$ = Resistenza a trazione
- $B_{p,Rd}$ = Resistenza a punzonamento piatto

- $F_{b,Rd}$ = Resistenza a rifollamento piatto
- $F_{s,Rd}$ = Resistenza allo scorrimento (unioni ad attrito)

Ne deriva un taglio resistente minimo pari a
V_RD = 6 X 63.09 = 378.54 kN > V_MAX --------→ verifica soddisfatta

CONNESSIONE TRAVE IPE – MONTANTE HEB – COLONNE INTERNE

Le sollecitazioni sono inferiori e la resistenza della bullonatura è la stessa, quindi la verifica è automaticamente soddisfatta.

CONNESSIONE ALLA BASE DEI MONTANTI – HEB200

Sollecitazioni nel nodo più sollecitato

Informazioni nodo 39 Solaio < 0 >

nodo	solaio	x [m]	y [m]	z [m]	Ux	Uy	Uz	Rx	Ry	Rz	Numerazione Bloccata
39	0	6.385	18.450	0.000	V.	V.	L.	L.	L.	V.	L.

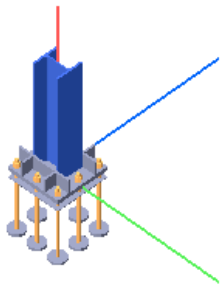
Squilibri

Combinazioni agli Stati Limite Ultimi

Comb.	Rx [kN]	Ry [kN]	Rz [kN]	Mx [kNm]	My [kNm]	Mz [kNm]
1	-5.06	-1.19	157.58	3.70	-15.20	0.01
2	-3.81	-5.57	157.86	12.59	-11.41	0.01
3	-2.44	-1.19	157.57	3.69	-7.21	0.01
4	-3.67	10.61	158.16	-9.97	-10.96	0.01
5	-4.55	-0.83	108.93	2.58	-13.71	0.01
6	-2.46	-8.14	109.40	17.40	-7.38	0.01
7	-0.18	-0.83	108.91	2.58	-0.39	0.00
8	-2.24	18.84	109.90	-20.20	-6.65	0.00

Combinazioni agli Stati Limite di Salvaguardia della Vita

Comb.	Rx [kN]	Ry [kN]	Rz [kN]	Mx [kNm]	My [kNm]	Mz [kNm]
9	-19.35	-6.12	42.16	18.96	-58.55	0.04
10	-17.17	9.02	41.53	-27.96	-52.09	0.03
11	-20.55	-11.58	42.39	35.89	-62.20	0.05
12	-18.36	3.56	41.75	-11.03	-55.73	0.03
13	-8.70	-20.92	42.70	64.85	-26.07	0.03
14	2.19	-20.35	42.60	63.10	6.97	0.01
15	-10.86	-30.78	43.11	95.42	-32.65	0.04
16	0.04	-30.22	43.01	93.67	0.39	0.02
17	16.98	-4.24	41.84	13.13	51.59	-0.03
18	19.16	10.90	41.20	-33.80	58.06	-0.04
19	15.78	-9.70	42.06	30.06	47.95	-0.02
20	17.97	5.44	41.42	-16.87	54.41	-0.04
21	-1.43	29.54	40.58	-91.58	-4.53	-0.02
22	9.47	30.11	40.48	-93.33	28.51	-0.04
23	-3.58	19.68	40.98	-61.01	-11.11	-0.00
24	7.32	20.24	40.88	-62.76	21.93	-0.03



Coefficienti di sicurezza utilizzati

γ_{M0} = 1.05
γ_{M1} = 1.10
γ_{M2} = 1.25

Colonna

Tipo di profilo: HEB 200
Materiale: Acciaio S275 f_y = 275 N/mm² f_t = 430 N/mm² γ_{ov} = 1.25
Classe sezione: 1

Flangia:
Materiale: Acciaio S235 f_y = 235 N/mm² f_t = 360 N/mm² γ_{ov} = 1.25
Dimensioni (B x H x Sp): 400.0 x 400.0 x 30.0 mm
Spessore nervature verticali: 15.0 mm
Spessore nervature orizzontali: 15.0 mm

Bullonature:
Viti cl. 8.8 Dadi 8 o 10 (f_{yb} = 640 N/mm², f_{tb} = 800 N/mm²)
Diametro Ø = 24 mm A_{res} = 352.9 mm² (ridotta per filettatura)
Diametro foro $Ø_0$ = 25.5 mm

Saldature:
Materiale: Acciaio S235 f_y = 235 N/mm² f_t = 360 N/mm² β_1 = 0.85 β_2 = 1.00
Spessore cordoni d'angolo s_c = 10 mm

Sollecitazioni:

Nodo.CMB	V2 [N]	V3 [N]	N [N]	M2 [N mm]	M3 [N mm]	T [N mm]
1.1	10860.0	-30780.0	-43110.0	-32650000.0	95420000.0	0.0
1.2	-20550.0	-11580.0	-42390.0	-62200000.0	35890000.0	0.0

Calcolo resistenze

Resistenza a trazione dei bulloni $F_{tb,Rd} = 0.9 \cdot f_{tb} \cdot A_{res} / \gamma_{M2}$ = 203249.5 N
Resistenza a punzonamento flangia $B_{pf,Rd} = 0.6 \cdot \pi \cdot d_m \cdot t_f \cdot f_{tk} / \gamma_{M2}$ = 586296.6 N

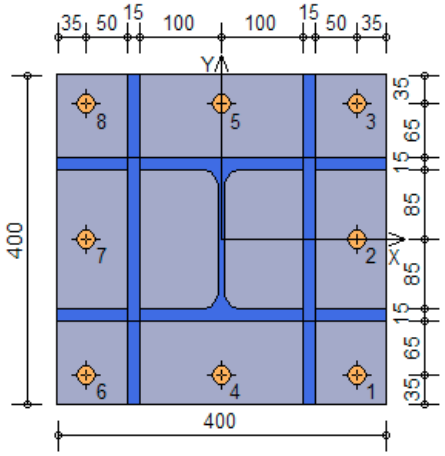
Bull.	$F_{f,Rd}$ [N]	$F_{t,Rd}$ [N]
1	136658.3	136658.3
2	159735.0	159735.0
3	136658.3	136658.3
4	161859.5	161859.5
5	161859.5	161859.5
6	136658.3	136658.3
7	159735.0	159735.0
8	136658.3	136658.3

Legenda
$F_{f,Rd} = M_{res,m} / (B_m \cdot R_m)$ resistenza a flessione flangia
$F_{t,Rd}$ = min [$F_{tb,Rd}$, $B_{pf,Rd}$, $F_{f,Rd}$] resistenza a trazione di progetto

Resistenza a taglio dei bulloni $F_{vb,Rd} = 0.6 \cdot f_{tb} \cdot A_{res} / \gamma_{M2}$ = 135499.7 N

Bull.	$F_{bf,x,Rd}$ [N]	$F_{v,x,Rd}$ [N]	$F_{bf,y,Rd}$ [N]	$F_{v,y,Rd}$ [N]
1	203320.7	135499.7	203320.7	135499.7
2	237176.5	135499.7	444400.9	135499.7
3	203320.7	135499.7	203320.7	135499.7
4	444400.9	135499.7	237176.5	135499.7
5	444400.9	135499.7	237176.5	135499.7
6	203320.7	135499.7	203320.7	135499.7
7	237176.5	135499.7	444400.9	135499.7
8	203320.7	135499.7	203320.7	135499.7

Legenda
$F_{bf,x,Rd} = k \cdot \alpha \cdot f_{tk} \cdot Ø \cdot t_f / \gamma_{M2}$ resistenza a rifollamento flangia in direzione x
$F_{v,x,Rd}$ = min [$F_{vb,Rd}$, $F_{bf,x,Rd}$] resistenza a taglio di progetto in direzione x
$F_{bf,y,Rd} = k \cdot \alpha \cdot f_{tk} \cdot Ø \cdot t_f / \gamma_{M2}$ resistenza a rifollamento flangia in direzione y
$F_{v,y,Rd}$ = min [$F_{vb,Rd}$, $F_{bf,y,Rd}$] resistenza a taglio di progetto in direzione y



Verifiche sui bulloni

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

Bull.	X [mm]	Y [mm]	$F_{v,Ed}$ [N]	$F_{v,Rd}$ [N]	$F_{t,Ed}$ [N]	$F_{t,Rd}$ [N]	FV_1	VER
1	165.00	-165.00	4080.0	135499.7	68257.1	136658.3	0.386877	Ok
2	165.00	0.00	4080.0	135499.7	163.9	159735.0	0.030843	Ok
3	165.00	165.00	4080.0	135499.7	0.0	136658.3	0.030110	Ok
4	0.00	-165.00	4080.0	135499.7	89403.1	161859.5	0.424646	Ok
5	0.00	165.00	4080.0	135499.7	0.0	161859.5	0.030110	Ok
6	-165.00	-165.00	4080.0	135499.7	110549.0	136658.3	0.607928	Ok
7	-165.00	0.00	4080.0	135499.7	42455.8	159735.0	0.219960	Ok
8	-165.00	165.00	4080.0	135499.7	0.0	136658.3	0.030110	Ok

2-Trazione (Nodo n. 1, CMB n. 1)

Bull.	X [mm]	Y [mm]	$F_{t,Ed}$ [N]	$F_{t,Rd}$ [N]	FV_2	VER
1	165.00	-165.00	68257.1	136658.3	0.499473	Ok
2	165.00	0.00	163.9	159735.0	0.001026	Ok
3	165.00	165.00	0.0	136658.3	0.000000	Ok
4	0.00	-165.00	89403.1	161859.5	0.552350	Ok
5	0.00	165.00	0.0	161859.5	0.000000	Ok
6	-165.00	-165.00	110549.0	136658.3	0.808945	Ok
7	-165.00	0.00	42455.8	159735.0	0.265789	Ok
8	-165.00	165.00	0.0	136658.3	0.000000	Ok

Legenda

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

Verifiche sulle saldature profilo-flangia (versione beta)

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

Verifica formula (4.2.78) (Nodo n. 1, CMB n. 1)

Cordoni	$n_\perp$	$t_\perp$	$\tau_{\parallel}$	FV_1	VER_1
Nerv. verticale lato destro esterno	-101.27	0.00	0.89	101.28	Ok
Nerv. vert. lato destro interno zona inferiore	69.81	0.00	0.89	69.81	Ok
Nerv. vert. lato sinistro interno zona inferiore	94.44	0.00	0.89	94.44	Ok
Nerv. verticale lato sinistro esterno	97.26	0.00	0.89	97.26	Ok
Nerv. orizz. inferiore lato destro esterno	25.59	0.00	-3.32	25.80	Ok
Ala inferiore esterno	54.31	0.00	-3.32	54.42	Ok
Nerv. orizz. inferiore lato sinistro esterno	67.08	0.00	-3.32	67.16	Ok
Nerv. orizz. inferiore lato destro interno	16.30	0.00	-3.32	16.64	Ok
Ala inferiore interno lato destro	29.39	0.00	-3.32	29.58	Ok
Ala inferiore interno lato sinistro	45.03	0.00	-3.32	45.15	Ok
Nerv. orizz. inferiore lato sinistro interno	57.80	0.00	-3.32	57.89	Ok
Nerv. vert. lato destro interno zona centrale	-45.87	0.00	0.89	45.88	Ok
Anima lato destro	-30.19	0.00	0.89	30.20	Ok
Anima lato sinistro	-30.19	0.00	0.89	30.20	Ok
Nerv. vert. lato sinistro interno zona centrale	41.86	0.00	0.89	41.87	Ok
Nerv. orizz. superiore lato destro interno	-61.81	0.00	-3.32	61.90	Ok
Ala superiore interno lato destro	-49.04	0.00	-3.32	49.16	Ok
Ala superiore interno lato sinistro	-33.40	0.00	-3.32	33.57	Ok
Nerv. orizz. superiore lato sinistro interno	-20.32	0.00	-3.32	20.59	Ok
Nerv. orizz. superiore lato destro esterno	-71.09	0.00	-3.32	71.17	Ok
Ala superiore esterno	-45.56	0.00	-3.32	45.68	Ok
Nerv. orizz. superiore lato sinistro esterno	-29.60	0.00	-3.32	29.79	Ok
Nerv. vert. lato destro interno zona superiore	-98.45	0.00	0.89	98.46	Ok
Nerv. vert. lato sinistro interno zona superiore	-73.82	0.00	0.89	73.83	Ok

Verifica formula (4.2.79) (Nodo n. 1, CMB n. 1)

Cordoni	$n_\perp$	$t_\perp$	$\tau_{\parallel}$	FV_2	VER_2
Nerv. verticale lato destro esterno	-101.27	0.00	0.89	101.27	Ok
Nerv. vert. lato destro interno zona inferiore	69.81	0.00	0.89	69.81	Ok
Nerv. vert. lato sinistro interno zona inferiore	94.44	0.00	0.89	94.44	Ok
Nerv. verticale lato sinistro esterno	97.26	0.00	0.89	97.26	Ok
Nerv. orizz. inferiore lato destro esterno	25.59	0.00	-3.32	25.59	Ok
Ala inferiore esterno	54.31	0.00	-3.32	54.31	Ok
Nerv. orizz. inferiore lato sinistro esterno	67.08	0.00	-3.32	67.08	Ok
Nerv. orizz. inferiore lato destro interno	16.30	0.00	-3.32	16.30	Ok
Ala inferiore interno lato destro	29.39	0.00	-3.32	29.39	Ok
Ala inferiore interno lato sinistro	45.03	0.00	-3.32	45.03	Ok
Nerv. orizz. inferiore lato sinistro interno	57.80	0.00	-3.32	57.80	Ok
Nerv. vert. lato destro interno zona centrale	-45.87	0.00	0.89	45.87	Ok
Anima lato destro	-30.19	0.00	0.89	30.19	Ok
Anima lato sinistro	-30.19	0.00	0.89	30.19	Ok
Nerv. vert. lato sinistro interno zona centrale	41.86	0.00	0.89	41.86	Ok
Nerv. orizz. superiore lato destro interno	-61.81	0.00	-3.32	61.81	Ok
Ala superiore interno lato destro	-49.04	0.00	-3.32	49.04	Ok
Ala superiore interno lato sinistro	-33.40	0.00	-3.32	33.40	Ok
Nerv. orizz. superiore lato sinistro interno	-20.32	0.00	-3.32	20.32	Ok
Nerv. orizz. superiore lato destro esterno	-71.09	0.00	-3.32	71.09	Ok
Ala superiore esterno	-45.56	0.00	-3.32	45.56	Ok
Nerv. orizz. superiore lato sinistro esterno	-29.60	0.00	-3.32	29.60	Ok
Nerv. vert. lato destro interno zona superiore	-98.45	0.00	0.89	98.45	Ok
Nerv. vert. lato sinistro interno zona superiore	-73.82	0.00	0.89	73.82	Ok

Ancoraggio

Tirafondi con rosette saldate

Lunghezza tirafondi	L_t =	500 mm
Lunghezza di aderenza	L_a =	450 mm
Materiale rosette		Acciaio S235
Spessore rosette	s_r =	20 mm
Diametro rosette	$Ø_r$ =	120 mm

Lunghezza minima tirafondi: 40 diametri (960 mm)

Calcestruzzo

Resistenza cubica caratteristica a compressione	R_{ck} =	30.00 N/mm²
Resistenza cilindrica caratteristica a compressione	$f_{ck} = 0.83 \cdot R_{ck}$ =	24.90 N/mm²
Resistenza di calcolo a compressione	$f_{cd} = \alpha_{cc} \cdot f_{ck} / \gamma_C$ =	14.11 N/mm²
Resistenza caratteristica a trazione	$f_{ctk} = 0.7 \cdot 0.30 \cdot f_{ck}^{2/3}$ =	1.79 N/mm²
Resistenza tangenziale di aderenza di calcolo	$f_{bd} = 2.25 \cdot \eta \cdot f_{ctk} / \gamma_C$ =	2.69 N/mm²

Verifica ancoraggio

Si considera la massima resistenza a trazione di progetto dei tirafondi

Trazione di progetto dell'ancoraggio	$F_{t,an,Ed} = \max [F_{t,Rd}]$ =	161859.5 N

Si considera il contributo di aderenza fornito dai tirafondi (L_a = 450 mm)

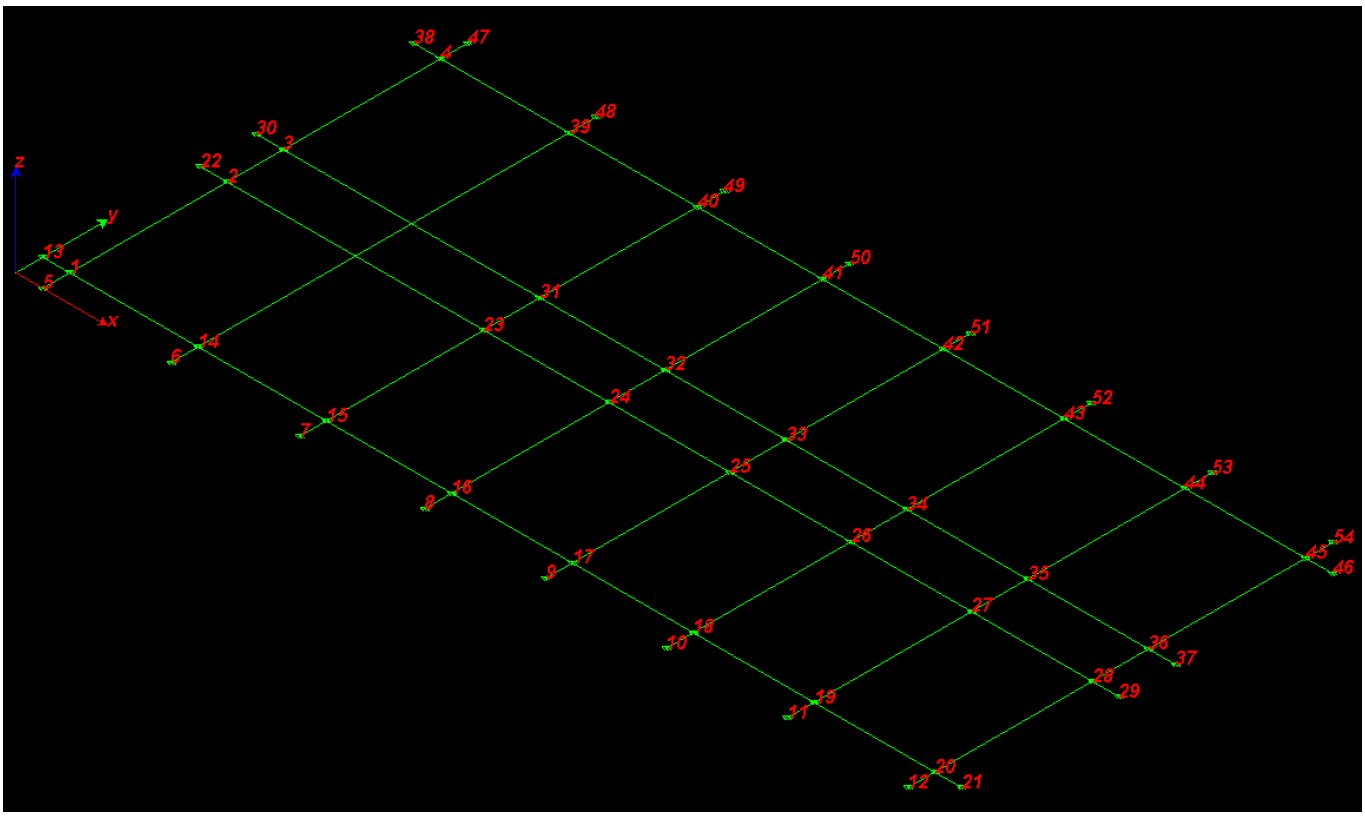
Resistenza a trazione per aderenza	$F_{t,ad,Rd} = L_a \cdot \pi \cdot Ø \cdot f_{bd}$ =	91134.7 N
Trazione di progetto residua	$F_{t,re,Ed} = F_{t,an,Ed} - F_{t,ad,Rd}$ =	70724.8 N

Verifica della rosetta

Pressione uniforme agente	p_{cls} =	6.51 N/mm²
$p_{cls} < f_{cd}$ Ok		
Momento di calcolo	M_{Ed} =	1084804.0 N mm
Resistenza a flessione	$M_{c,Rd}$ =	1124989.0 N mm
$M_{Ed} / M_{c,Rd} = 0.964279$ Ok		

Allegato3

Relazione di calcolo delle fondazioni



Verifiche strutturali

Modalità di verifica

Le travi vengono progettate-verificate a flessione retta e taglio nel piano longitudinale della trave sulla base dell'inviluppo delle sollecitazioni.
Viene comunque sempre predisposta l'armatura minima mentre gli sforzi di taglio vengono integralmente assorbiti dalle staffe.
Le operazioni di progetto-verifica vengono condotte, per ogni asta, in tre diverse sezioni e precisamente in corrispondenza dei fili esterni dei pilastri e della sezione in campata nella quale viene riscontrato il massimo momento positivo (negativo).
I momenti si intendono postivi se tendono le fibre di intradosso (inferiori).
Per quanto concerne il progetto e la verifica delle travi a taglio esse vengono condotte nel modo seguente:

- Si controlla se la trave necessita o meno di armatura aggiuntiva a taglio:
  1. Se non occorre armatura aggiuntiva a taglio si procede a disporre la staffatura minima di regolamento e la progettazione ha termine.
  2. Se occorre armatura aggiuntiva a taglio la staffatuta viene progettata andando a suddividere la trave, a seconda del caso, in uno, tre o cinque conci:
     - due tronchi in prossimità degli appoggi di lunghezza pari all'altezza della sezione;
     - due altri (eventuali) tronchi dall'ascissa precedente a quella in cui il taglio può essere assorbito con la sola staffatura minima da regolamento
     - un restante (eventuale) concio di chiusura centrale.
- In ogni caso l'armatura a taglio si intende simmetrica rispetto alla mezzeria della trave e viene progettata considerando, rispetto alla mezzeria, la zona della trave più sollecitata.

Per quanto concerne le verifiche a taglio esse vengono condotte suddividendo la trave in cinque conci:
due tronchi in prossimità degli appoggi di lunghezza pari all'altezza della sezione; due altri (eventuali) tronchi dall'ascissa precedente a quella in cui il taglio può essere assorbito con la sola staffatura minima da regolamento; il restante (eventuale) concio di chiusura centrale.
L'armatura a taglio si intende simmetrica rispetto alla mezzeria della trave e viene progettata considerando, rispetto alla mezzeria, la zona della trave più sollecitata.
Simbologia utilizzata:

Af Es.	Area di ferro all'estradosso
Af In.	Area di ferro all'intradosso
Sigb.Es.	Tensione del calcestruzzo estradosso

Sigb. In.
Tensione del calcestruzzo intradosso

Sigf. Es.
Tensione dell'acciaio estradosso

Sigf. In.
Tensione dell'acciaio intradosso

Sezioni Impiegate: Trave di fondazione

Sezioni Nuove

Sez. Num.	Info	Dimensioni	Criterio	Calcestruzzo	γ_M	F.C.	f_{ck} [MPa]	f_{cd} [MPa]	σ_{RARE} [MPa]	σ_{FREQ} [MPa]	σ_{QP} [MPa]	Acciaio	γ_M	F.C.	f_{yk} [MPa]	f_{yd} [MPa]	σ_{yRARE} [MPa]	σ_{yFREQ} [MPa]	σ_{yQP} [MPa]	Cop. Es [mm]	Cop. In [mm]	cot g θ_t	cot g θ
1	Rett. FONDAZIONE	B 800.0 [mm] H 800.0 [mm] Terreno numero 1	Verfond	C25/30	1.50	1.00	25.0	14.2	15.0	25.0	11.3	B450C	1.15	1.00	450.0	391.3	360.0	450.0	450.0	50.0	50.0	1.00	1.00

Verifica a fessurazione indiretta
Fattore di sovraresistenza Travi $\gamma_{R,d\ (Nuovo)}$=1.10 $\gamma_{R,d\ (Esistente)}$=0.00
Fattore di sovraresistenza delle azioni sulle Fondazioni $\gamma_{R,d\ (Nuovo)}$=1.10 $\gamma_{R,d\ (Esistente)}$=0.00

Verifiche Travate :

Travata: *Travata 120 Nodi 13 1 14 15 16 17 18 19 20 21*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_{de} [kNm]	M_{re} [kNm]	x/d	M_{di} [kNm]	M_{ri} [kNm]	x/d	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]	w mm
Trave di fondazione Sez. 1 Rett. 800.0x800.0 [mm] FONDAZIONE																
13	0.050	1062	1571			0.01	299.37	0.08	-0.52	-431.83	0.09					
					SLE Rare	0.00			0.00			0.0	0.0	0.0	0.0	
					SLE Freq.	0.00			0.00			0.0	0.0	0.0	0.0	OK
					SLE Q.P.	0.00			0.00			0.0	0.0	0.0	0.0	OK
Camp.	0.633	1571	1571			0.00	431.86	0.09	-4.54	-431.86	0.09					
					SLE Rare	0.00			-1.36			0.0	0.0	0.2	1.3	
					SLE Freq.	0.00			-0.84			0.0	0.0	0.1	0.8	OK
					SLE Q.P.	0.00			-0.72			0.0	0.0	0.1	0.7	OK
1	1.215	1571	1571			0.00	431.86	0.09	-8.00	-431.86	0.09					
					SLE Rare	0.00			-5.42			0.1	0.0	0.9	5.1	
					SLE Freq.	0.00			-3.35			0.1	0.0	0.5	3.2	OK
					SLE Q.P.	0.00			-2.86			0.1	0.0	0.5	2.7	OK
Trave di fondazione Sez. 1 Rett. 800.0x800.0 [mm] FONDAZIONE																
1	0.125	1571	1571			44.68	431.86	0.09	-45.01	-431.86	0.09					
					SLE Rare	4.97			-9.03			0.2	0.1	4.7	8.6	
					SLE Freq.	0.86			-1.94			0.0	0.0	0.8	1.8	OK
					SLE Q.P.	0.00			-0.16			0.0	0.0	0.0	0.2	OK
Camp.	3.193	1571	1571			28.49	431.86	0.09	-8.20	-431.86	0.09					
					SLE Rare	18.21			0.00			0.0	0.3	17.2	2.9	
					SLE Freq.	10.91			0.00			0.0	0.2	10.3	1.8	OK
					SLE Q.P.	9.37			0.00			0.0	0.2	8.9	1.5	OK

14	6.260	2793	3142			7.71	748.39	0.11	-39.15	-838.37	0.12					
					SLE Rare	0.00			-26.39			0.4	0.0	3.6	12.7	
					SLE Freq.	0.00			-12.19			0.2	0.0	1.6	5.9	OK
					SLE Q.P.	0.00			-8.84			0.1	0.0	1.2	4.3	OK
Trave di fondazione Sez. 1 Rett. 800.0x800.0 [mm] FONDAZIONE																
14	0.125	2779	3142			15.02	744.88	0.11	-48.92	-838.36	0.12					
					SLE Rare	0.00			-33.05			0.4	0.0	4.5	16.0	
					SLE Freq.	0.00			-14.77			0.2	0.0	2.0	7.1	OK
					SLE Q.P.	0.00			-10.56			0.1	0.0	1.4	5.1	OK
Camp.	3.193	1571	1571			12.69	431.86	0.09	-0.39	-431.86	0.09					
					SLE Rare	8.29			0.00			0.0	0.2	7.8	1.3	
					SLE Freq.	5.16			0.00			0.0	0.1	4.9	0.8	OK
					SLE Q.P.	4.41			0.00			0.0	0.1	4.2	0.7	OK
15	6.260	2797	3142			14.79	749.36	0.11	-33.21	-838.37	0.12					
					SLE Rare	0.00			-22.43			0.3	0.0	3.0	10.8	
					SLE Freq.	0.00			-11.67			0.2	0.0	1.6	5.6	OK
					SLE Q.P.	0.00			-9.30			0.1	0.0	1.3	4.5	OK
Trave di fondazione Sez. 1 Rett. 800.0x800.0 [mm] FONDAZIONE																
15	0.125	2793	3142			10.49	748.39	0.11	-49.97	-838.37	0.12					
					SLE Rare	0.00			-33.84			0.5	0.0	4.6	16.3	
					SLE Freq.	0.00			-16.78			0.2	0.0	2.3	8.1	OK
					SLE Q.P.	0.00			-12.75			0.2	0.0	1.7	6.2	OK
Camp.	3.115	1571	1571			13.05	431.86	0.09	-2.62	-431.86	0.09					
					SLE Rare	8.38			0.00			0.0	0.2	7.9	1.4	
					SLE Freq.	4.53			0.00			0.0	0.1	4.3	0.7	OK
					SLE Q.P.	3.60			0.00			0.0	0.1	3.4	0.6	OK
16	6.105	2774	3142			8.23	743.50	0.11	-25.58	-838.36	0.12					
					SLE Rare	0.00			-17.29			0.2	0.0	2.3	8.3	
					SLE Freq.	0.00			-9.38			0.1	0.0	1.3	4.5	OK
					SLE Q.P.	0.00			-7.59			0.1	0.0	1.0	3.7	OK
Trave di fondazione Sez. 1 Rett. 800.0x800.0 [mm] FONDAZIONE																
16	0.125	2797	3142			6.08	749.36	0.11	-28.61	-838.37	0.12					
					SLE Rare	0.00			-19.35			0.3	0.0	2.6	9.3	
					SLE Freq.	0.00			-10.15			0.1	0.0	1.4	4.9	OK
					SLE Q.P.	0.00			-8.01			0.1	0.0	1.1	3.9	OK
Camp.	3.005	1571	1571			16.74	431.86	0.09	0.00	-431.86	0.09					
					SLE Rare	11.33			0.00			0.0	0.2	10.7	1.8	
					SLE Freq.	5.82			0.00			0.0	0.1	5.5	0.9	OK
					SLE Q.P.	4.49			0.00			0.0	0.1	4.3	0.7	OK
17	5.885	2774	3142			8.28	743.50	0.11	-25.10	-838.36	0.12					
					SLE Rare	0.00			-16.96			0.2	0.0	2.3	8.2	
					SLE Freq.	0.00			-9.18			0.1	0.0	1.2	4.4	OK
					SLE Q.P.	0.00			-7.40			0.1	0.0	1.0	3.6	OK

Trave di fondazione Sez. 1 Rett. 800.0x800.0 [mm] FONDAZIONE																
17	0.125	2774	3142			6.12	743.49	0.11	-30.36	-838.36	0.12					
					SLE Rare	0.00			-20.55			0.3	0.0	2.8	9.9	
					SLE Freq.	0.00			-10.68			0.1	0.0	1.4	5.2	OK
					SLE Q.P.	0.00			-8.38			0.1	0.0	1.1	4.0	OK
Camp.	3.005	1571	1571			14.58	431.86	0.09	0.00	-431.86	0.09					
					SLE Rare	9.87			0.00			0.0	0.2	9.3	1.6	
					SLE Freq.	5.17			0.00			0.0	0.1	4.9	0.8	OK
					SLE Q.P.	4.03			0.00			0.0	0.1	3.8	0.7	OK
18	5.885	2774	3142			7.08	743.50	0.11	-25.60	-838.36	0.12					
					SLE Rare	0.00			-17.28			0.2	0.0	2.3	8.3	
					SLE Freq.	0.00			-9.28			0.1	0.0	1.3	4.5	OK
					SLE Q.P.	0.00			-7.42			0.1	0.0	1.0	3.6	OK
Trave di fondazione Sez. 1 Rett. 800.0x800.0 [mm] FONDAZIONE																
18	0.125	2774	3142			6.17	743.49	0.11	-32.12	-838.36	0.12					
					SLE Rare	0.00			-21.72			0.3	0.0	2.9	10.5	
					SLE Freq.	0.00			-11.10			0.1	0.0	1.5	5.4	OK
					SLE Q.P.	0.00			-8.63			0.1	0.0	1.2	4.2	OK
Camp.	3.005	1571	1571			16.22	431.86	0.09	0.00	-431.86	0.09					
					SLE Rare	10.92			0.00			0.0	0.2	10.3	1.8	
					SLE Freq.	6.31			0.00			0.0	0.1	6.0	1.0	OK
					SLE Q.P.	5.18			0.00			0.0	0.1	4.9	0.8	OK
19	5.885	2742	3142			13.04	735.10	0.11	-22.31	-838.36	0.12					
					SLE Rare	0.00			-14.52			0.2	0.0	2.0	7.0	
					SLE Freq.	0.00			-6.41			0.1	0.0	0.9	3.1	OK
					SLE Q.P.	0.00			-4.68			0.1	0.0	0.6	2.3	OK
Trave di fondazione Sez. 1 Rett. 800.0x800.0 [mm] FONDAZIONE																
19	0.125	2753	3142			3.73	737.92	0.11	-28.19	-838.36	0.12					
					SLE Rare	0.00			-18.94			0.3	0.0	2.5	9.2	
					SLE Freq.	0.00			-8.88			0.1	0.0	1.2	4.3	OK
					SLE Q.P.	0.00			-6.48			0.1	0.0	0.9	3.1	OK
Camp.	3.005	1571	1571			21.90	431.86	0.09	-2.47	-431.86	0.09					
					SLE Rare	14.71			0.00			0.0	0.3	13.9	2.4	
					SLE Freq.	8.92			0.00			0.0	0.2	8.4	1.4	OK
					SLE Q.P.	7.65			0.00			0.0	0.1	7.2	1.2	OK
20	5.885	1571	1571			20.60	431.86	0.09	-28.87	-431.86	0.09					
					SLE Rare	0.00			-16.91			0.3	0.0	2.7	16.0	
					SLE Freq.	0.00			-6.13			0.1	0.0	1.0	5.8	OK
					SLE Q.P.	0.00			-4.46			0.1	0.0	0.7	4.2	OK
Trave di fondazione Sez. 1 Rett. 800.0x800.0 [mm] FONDAZIONE																
20	0.125	1571	1571			0.00	431.86	0.09	-9.85	-431.86	0.09					
					SLE Rare	0.00			-6.70			0.1	0.0	1.1	6.3	
					SLE Freq.	0.00			-3.84			0.1	0.0	0.6	3.6	OK
					SLE Q.P.	0.00			-3.15			0.1	0.0	0.5	3.0	OK
Camp.	0.708	1571	1571			0.00	431.86	0.09	-5.59	-431.86	0.09					
					SLE Rare	0.00			-1.69			0.0	0.0	0.3	1.6	

					SLE Freq.	0.00			-0.97			0.0	0.0	0.2	0.9	OK
					SLE Q.P.	0.00			-0.80			0.0	0.0	0.1	0.8	OK
21	1.290	1517	1571			0.02	417.81	0.09	-0.64	-431.86	0.09					
					SLE Rare	0.00			0.00			0.0	0.0	0.0	0.0	
					SLE Freq.	0.00			0.00			0.0	0.0	0.0	0.0	OK
					SLE Q.P.	0.00			0.00			0.0	0.0	0.0	0.0	OK

Da [m]	A [m]	Dx [m]	cotg(θ)	V_{Ed} [kN]	$V_{Rd,c}$ [kN]	V_{Rcd} [kN]	V_{Rd} [kN]	Staffe
Trave di fondazione 13 1 Sez. 1 Rett. 800.0x800.0 [mm] FONDAZIONE								
0.093	1.106	1.013	1.00	11.86	193.34	1881.22	313.19	ø 10 2br. 130.0'
Trave di fondazione 1 14 Sez. 1 Rett. 800.0x800.0 [mm] FONDAZIONE								
0.245	6.140	5.895	1.00	35.52	202.33	1881.22	313.19	ø 10 2br. 130.0'
Trave di fondazione 14 15 Sez. 1 Rett. 800.0x800.0 [mm] FONDAZIONE								
0.245	6.140	5.895	1.00	34.99	202.33	1881.22	313.19	ø 10 2br. 130.0'
Trave di fondazione 15 16 Sez. 1 Rett. 800.0x800.0 [mm] FONDAZIONE								
0.245	5.985	5.740	1.00	36.27	202.33	1881.22	313.19	ø 10 2br. 130.0'
Trave di fondazione 16 17 Sez. 1 Rett. 800.0x800.0 [mm] FONDAZIONE								
0.245	5.765	5.520	1.00	29.63	202.33	1881.22	313.19	ø 10 2br. 130.0'
Trave di fondazione 17 18 Sez. 1 Rett. 800.0x800.0 [mm] FONDAZIONE								
0.245	5.765	5.520	1.00	28.93	202.33	1881.22	313.19	ø 10 2br. 130.0'
Trave di fondazione 18 19 Sez. 1 Rett. 800.0x800.0 [mm] FONDAZIONE								
0.245	5.765	5.520	1.00	29.90	202.33	1881.22	313.19	ø 10 2br. 130.0'
Trave di fondazione 19 20 Sez. 1 Rett. 800.0x800.0 [mm] FONDAZIONE								
0.245	5.765	5.520	1.00	30.76	202.33	1881.22	313.19	ø 10 2br. 130.0'
Trave di fondazione 20 21 Sez. 1 Rett. 800.0x800.0 [mm] FONDAZIONE								
0.234	1.247	1.013	1.00	14.59	199.98	1881.22	313.19	ø 10 2br. 130.0'

Travata: *Travata 121 Nodi 22 2 23 24 25 26 27 28 29*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_{de} [kNm]	M_{re} [kNm]	x/d	M_{di} [kNm]	M_{ri} [kNm]	x/d	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]	w mm
Trave di fondazione Sez. 1 Rett. 800.0x800.0 [mm] FONDAZIONE																
22	0.050	1062	1571			0.00	299.37	0.08	-0.90	-431.83	0.09					
					SLE Rare	0.00			-0.00			0.0	0.0	0.0	0.0	
					SLE Freq.	0.00			-0.00			0.0	0.0	0.0	0.0	OK
					SLE Q.P.	0.00			-0.00			0.0	0.0	0.0	0.0	OK
Camp.	0.633	1885	2668			0.00	513.35	0.10	-7.77	-716.14	0.12					
					SLE Rare	0.00			-2.36			0.0	0.0	0.4	1.3	
					SLE Freq.	0.00			-1.31			0.0	0.0	0.2	0.7	OK
					SLE Q.P.	0.00			-1.06			0.0	0.0	0.2	0.6	OK
2	1.215	2760	3142			0.00	739.88	0.11	-13.58	-838.36	0.12					
					SLE Rare	0.00			-9.24			0.1	0.0	1.2	4.5	
					SLE Freq.	0.00			-5.11			0.1	0.0	0.7	2.5	OK
					SLE Q.P.	0.00			-4.12			0.1	0.0	0.6	2.0	OK
Trave di fondazione Sez. 1 Rett. 800.0x800.0 [mm] FONDAZIONE																
2	0.125	2757	3142			77.30	739.01	0.11	-105.63	-838.36	0.12					
					SLE Rare	0.00			-50.74			0.7	0.0	6.9	24.5	
					SLE Freq.	0.00			-19.79			0.3	0.0	2.7	9.6	OK
					SLE Q.P.	0.00			-14.53			0.2	0.0	2.0	7.0	OK
Camp.	6.385	1571	1571			77.36	431.86	0.09	-15.26	-431.86	0.09					
					SLE Rare	52.09			0.00			0.0	1.0	49.3	8.4	
					SLE Freq.	26.78			0.00			0.0	0.5	25.4	4.3	OK
					SLE Q.P.	20.61			0.00			0.0	0.4	19.5	3.3	OK

23	12.645	2797	3142			32.43	749.36	0.11	-110.69	-838.37	0.12					
					SLE Rare	0.00			-75.17			1.0	0.0	10.1	36.3	
					SLE Freq.	0.00			-34.62			0.5	0.0	4.7	16.7	OK
					SLE Q.P.	0.00			-25.21			0.3	0.0	3.4	12.2	OK
Trave di fondazione Sez. 1 Rett. 800.0x800.0 [mm] FONDAZIONE																
23	0.125	2767	3142			19.99	741.54	0.11	-121.78	-838.36	0.12					
					SLE Rare	0.00			-82.78			1.1	0.0	11.2	40.0	
					SLE Freq.	0.00			-37.68			0.5	0.0	5.1	18.2	OK
					SLE Q.P.	0.00			-26.93			0.4	0.0	3.6	13.0	OK
Camp.	3.115	1571	1571			13.75	431.86	0.09	-18.89	-431.86	0.09					
					SLE Rare	0.00			-4.28			0.1	0.0	0.7	4.0	
					SLE Freq.	0.00			-1.71			0.0	0.0	0.3	1.6	OK
					SLE Q.P.	0.00			-1.20			0.0	0.0	0.2	1.1	OK
24	6.105	2774	3142			10.92	743.50	0.11	-23.00	-838.36	0.12					
					SLE Rare	0.00			-15.48			0.2	0.0	2.1	7.5	
					SLE Freq.	0.00			-6.59			0.1	0.0	0.9	3.2	OK
					SLE Q.P.	0.00			-4.56			0.1	0.0	0.6	2.2	OK
Trave di fondazione Sez. 1 Rett. 800.0x800.0 [mm] FONDAZIONE																
24	0.125	2797	3142			7.86	749.36	0.11	-31.44	-838.37	0.12					
					SLE Rare	0.00			-21.24			0.3	0.0	2.9	10.3	
					SLE Freq.	0.00			-9.18			0.1	0.0	1.2	4.4	OK
					SLE Q.P.	0.00			-6.31			0.1	0.0	0.8	3.0	OK
Camp.	3.005	1571	1571			24.14	431.86	0.09	0.00	-431.86	0.09					
					SLE Rare	16.40			0.00			0.0	0.3	15.5	2.6	
					SLE Freq.	7.59			0.00			0.0	0.1	7.2	1.2	OK
					SLE Q.P.	5.41			0.00			0.0	0.1	5.1	0.9	OK
25	5.885	2774	3142			10.02	743.50	0.11	-26.82	-838.36	0.12					
					SLE Rare	0.00			-18.15			0.2	0.0	2.4	8.8	
					SLE Freq.	0.00			-8.21			0.1	0.0	1.1	4.0	OK
					SLE Q.P.	0.00			-5.91			0.1	0.0	0.8	2.9	OK
Trave di fondazione Sez. 1 Rett. 800.0x800.0 [mm] FONDAZIONE																
25	0.125	2774	3142			5.45	743.49	0.11	-32.90	-838.36	0.12					
					SLE Rare	0.00			-22.29			0.3	0.0	3.0	10.8	
					SLE Freq.	0.00			-9.96			0.1	0.0	1.3	4.8	OK
					SLE Q.P.	0.00			-7.03			0.1	0.0	0.9	3.4	OK
Camp.	3.005	1571	1571			18.98	431.86	0.09	0.00	-431.86	0.09					
					SLE Rare	12.86			0.00			0.0	0.2	12.2	2.1	
					SLE Freq.	5.83			0.00			0.0	0.1	5.5	0.9	OK
					SLE Q.P.	4.10			0.00			0.0	0.1	3.9	0.7	OK
26	5.885	2774	3142			6.90	743.50	0.11	-29.72	-838.36	0.12					
					SLE Rare	0.00			-20.12			0.3	0.0	2.7	9.7	
					SLE Freq.	0.00			-9.05			0.1	0.0	1.2	4.4	OK
					SLE Q.P.	0.00			-6.38			0.1	0.0	0.9	3.1	OK
Trave di fondazione Sez. 1 Rett. 800.0x800.0 [mm] FONDAZIONE																
26	0.125	2774	3142			7.43	743.49	0.11	-35.65	-838.36	0.12					
					SLE Rare	0.00			-24.15			0.3	0.0	3.3	11.7	
					SLE Freq.	0.00			-10.51			0.1	0.0	1.4	5.1	OK
					SLE Q.P.	0.00			-7.29			0.1	0.0	1.0	3.5	OK
Camp.	3.005	1571	1571			21.90	431.86	0.09	0.00	-431.86	0.09					
					SLE Rare	14.77			0.00			0.0	0.3	14.0	2.4	
					SLE Freq.	7.85			0.00			0.0	0.1	7.4	1.3	OK

					SLE Q.P.	6.14			0.00			0.0	0.1	5.8	1.0	OK
27	5.885	2774	3142			14.54	743.49	0.11	-23.72	-838.36	0.12					
					SLE Rare	0.00			-15.91			0.2	0.0	2.1	7.7	
					SLE Freq.	0.00			-4.72			0.1	0.0	0.6	2.3	OK
					SLE Q.P.	0.00			-2.23			0.0	0.0	0.3	1.1	OK
Trave di fondazione Sez. 1 Rett. 800.0x800.0 [mm] FONDAZIONE																
27	0.125	2774	3142			8.83	743.50	0.11	-26.47	-838.36	0.12					
					SLE Rare	0.00			-17.81			0.2	0.0	2.4	8.6	
					SLE Freq.	0.00			-5.45			0.1	0.0	0.7	2.6	OK
					SLE Q.P.	0.00			-2.47			0.0	0.0	0.3	1.2	OK
Camp.	3.005	1571	1571			27.94	431.86	0.09	-2.75	-431.86	0.09					
					SLE Rare	19.01			0.00			0.0	0.4	18.0	3.1	
					SLE Freq.	10.56			0.00			0.0	0.2	10.0	1.7	OK
					SLE Q.P.	8.69			0.00			0.0	0.2	8.2	1.4	OK
28	5.885	2757	3142			21.17	739.01	0.11	-43.12	-838.36	0.12					
					SLE Rare	0.00			-29.20			0.4	0.0	3.9	14.1	
					SLE Freq.	0.00			-10.80			0.1	0.0	1.5	5.2	OK
					SLE Q.P.	0.00			-7.86			0.1	0.0	1.1	3.8	OK
Trave di fondazione Sez. 1 Rett. 800.0x800.0 [mm] FONDAZIONE																
28	0.125	2768	3142			0.00	741.83	0.11	-13.14	-838.36	0.12					
					SLE Rare	0.00			-8.94			0.1	0.0	1.2	4.3	
					SLE Freq.	0.00			-4.68			0.1	0.0	0.6	2.3	OK
					SLE Q.P.	0.00			-3.64			0.0	0.0	0.5	1.8	OK
Camp.	0.708	1892	2679			0.00	515.31	0.10	-7.47	-718.93	0.12					
					SLE Rare	0.00			-2.25			0.0	0.0	0.3	1.3	
					SLE Freq.	0.00			-1.18			0.0	0.0	0.2	0.7	OK
					SLE Q.P.	0.00			-0.92			0.0	0.0	0.1	0.5	OK
29	1.290	1062	1571			0.00	299.37	0.08	-0.85	-431.83	0.09					
					SLE Rare	0.00			-0.00			0.0	0.0	0.0	0.0	
					SLE Freq.	0.00			0.00			0.0	0.0	0.0	0.0	OK
					SLE Q.P.	0.00			0.00			0.0	0.0	0.0	0.0	OK

Da [m]	**A [m]**	**Dx [m]**	**cotg(θ)**	**V_{Ed} [kN]**	**$V_{Rd,c}$ [kN]**	**V_{Rcd} [kN]**	**V_{Rd} [kN]**	**Staffe**
Trave di fondazione 22 2 Sez. 1 Rett. 800.0x800.0 [mm] FONDAZIONE								
0.093	1.106	1.013	1.00	19.78	193.34	1881.22	313.19	ø 10 2br. 130.0'
Trave di fondazione 2 23 Sez. 1 Rett. 800.0x800.0 [mm] FONDAZIONE								
0.248	12.522	12.275	1.00	62.98	199.84	1881.22	313.19	ø 10 2br. 130.0'
Trave di fondazione 23 24 Sez. 1 Rett. 800.0x800.0 [mm] FONDAZIONE								
0.245	5.985	5.740	1.00	58.24	202.33	1881.22	313.19	ø 10 2br. 130.0'
Trave di fondazione 24 25 Sez. 1 Rett. 800.0x800.0 [mm] FONDAZIONE								
0.245	5.765	5.520	1.00	36.79	202.33	1881.22	313.19	ø 10 2br. 130.0'
Trave di fondazione 25 26 Sez. 1 Rett. 800.0x800.0 [mm] FONDAZIONE								
0.245	5.765	5.520	1.00	33.89	202.33	1881.22	313.19	ø 10 2br. 130.0'
Trave di fondazione 26 27 Sez. 1 Rett. 800.0x800.0 [mm] FONDAZIONE								
0.245	5.765	5.520	1.00	35.59	202.33	1881.22	313.19	ø 10 2br. 130.0'
Trave di fondazione 27 28 Sez. 1 Rett. 800.0x800.0 [mm] FONDAZIONE								
0.245	5.765	5.520	1.00	41.72	202.33	1881.22	313.19	ø 10 2br. 130.0'
Trave di fondazione 28 29 Sez. 1 Rett. 800.0x800.0 [mm] FONDAZIONE								
0.234	1.247	1.013	1.00	19.44	193.34	1881.22	313.19	ø 10 2br. 130.0'

Travata: *Travata 122 Nodi 30 3 31 32 33 34 35 36 37*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_{de} [kNm]	M_{re} [kNm]	x/d	M_{di} [kNm]	M_{ri} [kNm]	x/d	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]	w mm
Trave di fondazione Sez. 1 Rett. 800.0x800.0 [mm] FONDAZIONE																
30	0.050	1062	1571			0.00	299.37	0.08	-0.89	-431.83	0.09					
					SLE Rare	0.00			-0.00			0.0	0.0	0.0	0.0	
					SLE Freq.	0.00			-0.00			0.0	0.0	0.0	0.0	OK
					SLE Q.P.	0.00			-0.00			0.0	0.0	0.0	0.0	OK
Camp.	0.633	1885	2668			0.00	513.35	0.10	-7.71	-716.14	0.12					
					SLE Rare	0.00			-2.35			0.0	0.0	0.3	1.3	
					SLE Freq.	0.00			-1.30			0.0	0.0	0.2	0.7	OK
					SLE Q.P.	0.00			-1.05			0.0	0.0	0.2	0.6	OK
3	1.215	2760	3142			0.00	739.88	0.11	-13.47	-838.36	0.12					
					SLE Rare	0.00			-9.17			0.1	0.0	1.2	4.4	
					SLE Freq.	0.00			-5.07			0.1	0.0	0.7	2.5	OK
					SLE Q.P.	0.00			-4.10			0.1	0.0	0.6	2.0	OK
Trave di fondazione Sez. 1 Rett. 800.0x800.0 [mm] FONDAZIONE																
3	0.125	2757	3142			76.75	739.01	0.11	-105.23	-838.36	0.12					
					SLE Rare	0.00			-50.54			0.7	0.0	6.8	24.4	
					SLE Freq.	0.00			-19.67			0.3	0.0	2.7	9.5	OK
					SLE Q.P.	0.00			-14.42			0.2	0.0	1.9	7.0	OK
Camp.	6.385	1571	1571			76.65	431.86	0.09	-0.18	-431.86	0.09					
					SLE Rare	51.62			0.00			0.0	1.0	48.9	8.3	
					SLE Freq.	26.55			0.00			0.0	0.5	25.2	4.3	OK
					SLE Q.P.	20.45			0.00			0.0	0.4	19.4	3.3	OK
31	12.645	2797	3142			31.41	749.36	0.11	-108.76	-838.37	0.12					
					SLE Rare	0.00			-73.86			1.0	0.0	9.9	35.7	
					SLE Freq.	0.00			-34.00			0.5	0.0	4.6	16.4	OK
					SLE Q.P.	0.00			-24.76			0.3	0.0	3.3	12.0	OK
Trave di fondazione Sez. 1 Rett. 800.0x800.0 [mm] FONDAZIONE																
31	0.125	2767	3142			21.32	741.54	0.11	-119.87	-838.36	0.12					
					SLE Rare	0.00			-81.48			1.1	0.0	11.0	39.4	
					SLE Freq.	0.00			-37.07			0.5	0.0	5.0	17.9	OK
					SLE Q.P.	0.00			-26.50			0.4	0.0	3.6	12.8	OK
Camp.	3.115	1571	1571			14.00	431.86	0.09	-19.09	-431.86	0.09					
					SLE Rare	0.00			-4.29			0.1	0.0	0.7	4.1	
					SLE Freq.	0.00			-1.72			0.0	0.0	0.3	1.6	OK
					SLE Q.P.	0.00			-1.21			0.0	0.0	0.2	1.1	OK
32	6.105	2774	3142			11.36	743.50	0.11	-23.81	-838.36	0.12					
					SLE Rare	0.00			-16.02			0.2	0.0	2.2	7.7	
					SLE Freq.	0.00			-6.84			0.1	0.0	0.9	3.3	OK
					SLE Q.P.	0.00			-4.73			0.1	0.0	0.6	2.3	OK
Trave di fondazione Sez. 1 Rett. 800.0x800.0 [mm] FONDAZIONE																
32	0.125	2797	3142			7.90	749.36	0.11	-31.63	-838.37	0.12					
					SLE Rare	0.00			-21.37			0.3	0.0	2.9	10.3	
					SLE Freq.	0.00			-9.23			0.1	0.0	1.2	4.5	OK
					SLE Q.P.	0.00			-6.35			0.1	0.0	0.9	3.1	OK
Camp.	3.005	1571	1571			23.88	431.86	0.09	0.00	-431.86	0.09					
					SLE Rare	16.22			0.00			0.0	0.3	15.4	2.6	
					SLE Freq.	7.50			0.00			0.0	0.1	7.1	1.2	OK
					SLE Q.P.	5.35			0.00			0.0	0.1	5.1	0.9	OK

33	5.885	2774	3142			10.04	743.50	0.11	-26.59	-838.36	0.12					
					SLE Rare	0.00			-17.99			0.2	0.0	2.4	8.7	
					SLE Freq.	0.00			-8.14			0.1	0.0	1.1	3.9	OK
					SLE Q.P.	0.00			-5.85			0.1	0.0	0.8	2.8	OK
				Trave di fondazione Sez. 1 Rett. 800.0x800.0 [mm] FONDAZIONE												
33	0.125	2774	3142			5.91	743.49	0.11	-32.67	-838.36	0.12					
					SLE Rare	0.00			-22.13			0.3	0.0	3.0	10.7	
					SLE Freq.	0.00			-9.88			0.1	0.0	1.3	4.8	OK
					SLE Q.P.	0.00			-6.97			0.1	0.0	0.9	3.4	OK
Camp.	3.005	1571	1571			18.88	431.86	0.09	0.00	-431.86	0.09					
					SLE Rare	12.80			0.00			0.0	0.2	12.1	2.1	
					SLE Freq.	5.80			0.00			0.0	0.1	5.5	0.9	OK
					SLE Q.P.	4.08			0.00			0.0	0.1	3.9	0.7	OK
34	5.885	2774	3142			7.25	743.50	0.11	-29.62	-838.36	0.12					
					SLE Rare	0.00			-20.05			0.3	0.0	2.7	9.7	
					SLE Freq.	0.00			-9.02			0.1	0.0	1.2	4.4	OK
					SLE Q.P.	0.00			-6.35			0.1	0.0	0.9	3.1	OK
				Trave di fondazione Sez. 1 Rett. 800.0x800.0 [mm] FONDAZIONE												
34	0.125	2774	3142			7.39	743.49	0.11	-35.47	-838.36	0.12					
					SLE Rare	0.00			-24.03			0.3	0.0	3.2	11.6	
					SLE Freq.	0.00			-10.45			0.1	0.0	1.4	5.0	OK
					SLE Q.P.	0.00			-7.24			0.1	0.0	1.0	3.5	OK
Camp.	3.005	1571	1571			21.80	431.86	0.09	0.00	-431.86	0.09					
					SLE Rare	14.71			0.00			0.0	0.3	13.9	2.4	
					SLE Freq.	7.82			0.00			0.0	0.1	7.4	1.3	OK
					SLE Q.P.	6.12			0.00			0.0	0.1	5.8	1.0	OK
35	5.885	2774	3142			14.72	743.49	0.11	-23.59	-838.36	0.12					
					SLE Rare	0.00			-15.82			0.2	0.0	2.1	7.6	
					SLE Freq.	0.00			-4.67			0.1	0.0	0.6	2.3	OK
					SLE Q.P.	0.00			-2.19			0.0	0.0	0.3	1.1	OK
				Trave di fondazione Sez. 1 Rett. 800.0x800.0 [mm] FONDAZIONE												
35	0.125	2774	3142			9.66	743.50	0.11	-24.98	-838.36	0.12					
					SLE Rare	0.00			-16.81			0.2	0.0	2.3	8.1	
					SLE Freq.	0.00			-4.99			0.1	0.0	0.7	2.4	OK
					SLE Q.P.	0.00			-2.15			0.0	0.0	0.3	1.0	OK
Camp.	3.005	1571	1571			27.93	431.86	0.09	-2.80	-431.86	0.09					
					SLE Rare	19.00			0.00			0.0	0.4	18.0	3.1	
					SLE Freq.	10.56			0.00			0.0	0.2	10.0	1.7	OK
					SLE Q.P.	8.69			0.00			0.0	0.2	8.2	1.4	OK
36	5.885	2757	3142			20.89	739.01	0.11	-44.38	-838.36	0.12					
					SLE Rare	0.00			-30.05			0.4	0.0	4.1	14.5	
					SLE Freq.	0.00			-11.17			0.1	0.0	1.5	5.4	OK
					SLE Q.P.	0.00			-8.11			0.1	0.0	1.1	3.9	OK
				Trave di fondazione Sez. 1 Rett. 800.0x800.0 [mm] FONDAZIONE												
36	0.125	2768	3142			0.00	741.83	0.11	-13.14	-838.36	0.12					
					SLE Rare	0.00			-8.94			0.1	0.0	1.2	4.3	
					SLE Freq.	0.00			-4.68			0.1	0.0	0.6	2.3	OK
					SLE Q.P.	0.00			-3.64			0.0	0.0	0.5	1.8	OK
Camp.	0.708	1892	2679			0.00	515.31	0.10	-7.47	-718.93	0.12					
					SLE Rare	0.00			-2.25			0.0	0.0	0.3	1.3	
					SLE Freq.	0.00			-1.18			0.0	0.0	0.2	0.7	OK

					SLE Q.P.	0.00			-0.92			0.0	0.0	0.1	0.5	OK
37	1.290	1062	1571			0.00	299.37	0.08	-0.85	-431.83	0.09					
					SLE Rare	0.00			0.00			0.0	0.0	0.0	0.0	
					SLE Freq.	0.00			0.00			0.0	0.0	0.0	0.0	OK
					SLE Q.P.	0.00			0.00			0.0	0.0	0.0	0.0	OK

Da [m]	A [m]	Dx [m]	cotg(θ)	V_{Ed} [kN]	$V_{Rd,c}$ [kN]	V_{Rcd} [kN]	V_{Rd} [kN]	Staffe
Trave di fondazione 30 3 Sez. 1 Rett. 800.0x800.0 [mm] FONDAZIONE								
0.093	1.106	1.013	1.00	19.63	193.34	1881.22	313.19	ø 10 2br. 130.0'
Trave di fondazione 3 31 Sez. 1 Rett. 800.0x800.0 [mm] FONDAZIONE								
0.248	12.522	12.275	1.00	62.14	199.84	1881.22	313.19	ø 10 2br. 130.0'
Trave di fondazione 31 32 Sez. 1 Rett. 800.0x800.0 [mm] FONDAZIONE								
0.245	5.985	5.740	1.00	57.38	202.33	1881.22	313.19	ø 10 2br. 130.0'
Trave di fondazione 32 33 Sez. 1 Rett. 800.0x800.0 [mm] FONDAZIONE								
0.245	5.765	5.520	1.00	36.66	202.33	1881.22	313.19	ø 10 2br. 130.0'
Trave di fondazione 33 34 Sez. 1 Rett. 800.0x800.0 [mm] FONDAZIONE								
0.245	5.765	5.520	1.00	33.69	202.33	1881.22	313.19	ø 10 2br. 130.0'
Trave di fondazione 34 35 Sez. 1 Rett. 800.0x800.0 [mm] FONDAZIONE								
0.245	5.765	5.520	1.00	35.42	202.33	1881.22	313.19	ø 10 2br. 130.0'
Trave di fondazione 35 36 Sez. 1 Rett. 800.0x800.0 [mm] FONDAZIONE								
0.245	5.765	5.520	1.00	42.12	202.33	1881.22	313.19	ø 10 2br. 130.0'
Trave di fondazione 36 37 Sez. 1 Rett. 800.0x800.0 [mm] FONDAZIONE								
0.234	1.247	1.013	1.00	19.44	193.34	1881.22	313.19	ø 10 2br. 130.0'

Travata: *Travata 123 Nodi 38 4 39 40 41 42 43 44 45 46*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_{de} [kNm]	M_{re} [kNm]	x/d	M_{di} [kNm]	M_{ri} [kNm]	x/d	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]	w mm
Trave di fondazione Sez. 1 Rett. 800.0x800.0 [mm] FONDAZIONE																
38	0.050	1062	1571			0.00	299.37	0.08	-0.66	-431.83	0.09					
					SLE Rare	0.00			0.00			0.0	0.0	0.0	0.0	
					SLE Freq.	0.00			0.00			0.0	0.0	0.0	0.0	OK
					SLE Q.P.	0.00			0.00			0.0	0.0	0.0	0.0	OK
Camp.	0.633	1571	1571			0.00	431.86	0.09	-5.79	-431.86	0.09					
					SLE Rare	0.00			-1.74			0.0	0.0	0.3	1.6	
					SLE Freq.	0.00			-1.02			0.0	0.0	0.2	1.0	OK
					SLE Q.P.	0.00			-0.85			0.0	0.0	0.1	0.8	OK
4	1.215	1571	1571			0.00	431.86	0.09	-10.22	-431.86	0.09					
					SLE Rare	0.00			-6.94			0.1	0.0	1.1	6.6	
					SLE Freq.	0.00			-4.07			0.1	0.0	0.7	3.9	OK
					SLE Q.P.	0.00			-3.38			0.1	0.0	0.5	3.2	OK
Trave di fondazione Sez. 1 Rett. 800.0x800.0 [mm] FONDAZIONE																
4	0.125	1571	1571			52.00	431.86	0.09	-52.97	-431.86	0.09					
					SLE Rare	4.47			-9.52			0.2	0.1	4.2	9.0	
					SLE Freq.	0.53			-2.26			0.0	0.0	0.5	2.1	OK
					SLE Q.P.	0.00			-0.49			0.0	0.0	0.1	0.5	OK
Camp.	3.193	1571	1571			34.59	431.86	0.09	-9.51	-431.86	0.09					
					SLE Rare	21.91			0.00			0.0	0.4	20.8	3.5	
					SLE Freq.	12.70			0.00			0.0	0.2	12.0	2.0	OK
					SLE Q.P.	10.68			0.00			0.0	0.2	10.1	1.7	OK
39	6.260	2793	3142			7.47	748.39	0.11	-58.06	-838.37	0.12					
					SLE Rare	0.00			-			0.5	0.0	5.3	18.9	

									39.18								
					SLE Freq.	0.00			-17.98			0.2	0.0	2.4	8.7	OK
					SLE Q.P.	0.00			-12.87			0.2	0.0	1.7	6.2	OK
Trave di fondazione Sez. 1 Rett. 800.0x800.0 [mm] FONDAZIONE																	
39	0.125	2779	3142			15.82	744.88	0.11	-66.76	-838.36	0.12						
					SLE Rare	0.00			-45.11			0.6	0.0	6.1	21.8		
					SLE Freq.	0.00			-20.23			0.3	0.0	2.7	9.8	OK	
					SLE Q.P.	0.00			-14.37			0.2	0.0	1.9	6.9	OK	
Camp.	3.193	1571	1571			16.41	431.86	0.09	0.00	-431.86	0.09						
					SLE Rare	10.76			0.00			0.0	0.2	10.2	1.7		
					SLE Freq.	6.35			0.00			0.0	0.1	6.0	1.0	OK	
					SLE Q.P.	5.28			0.00			0.0	0.1	5.0	0.9	OK	
40	6.260	2797	3142			17.11	749.36	0.11	-46.18	-838.37	0.12						
					SLE Rare	0.00			-31.22			0.4	0.0	4.2	15.1		
					SLE Freq.	0.00			-15.71			0.2	0.0	2.1	7.6	OK	
					SLE Q.P.	0.00			-12.15			0.2	0.0	1.6	5.9	OK	
Trave di fondazione Sez. 1 Rett. 800.0x800.0 [mm] FONDAZIONE																	
40	0.125	2793	3142			11.84	748.39	0.11	-63.11	-838.37	0.12						
					SLE Rare	0.00			-42.74			0.6	0.0	5.8	20.6		
					SLE Freq.	0.00			-20.86			0.3	0.0	2.8	10.1	OK	
					SLE Q.P.	0.00			-15.63			0.2	0.0	2.1	7.5	OK	
Camp.	3.115	1571	1571			19.04	431.86	0.09	-0.93	-431.86	0.09						
					SLE Rare	12.48			0.00			0.0	0.2	11.8	2.0		
					SLE Freq.	6.42			0.00			0.0	0.1	6.1	1.0	OK	
					SLE Q.P.	4.94			0.00			0.0	0.1	4.7	0.8	OK	
41	6.105	2774	3142			8.82	743.50	0.11	-36.77	-838.36	0.12						
					SLE Rare	0.00			-24.87			0.3	0.0	3.4	12.0		
					SLE Freq.	0.00			-12.89			0.2	0.0	1.7	6.2	OK	
					SLE Q.P.	0.00			-10.08			0.1	0.0	1.4	4.9	OK	
Trave di fondazione Sez. 1 Rett. 800.0x800.0 [mm] FONDAZIONE																	
41	0.125	2797	3142			6.88	749.36	0.11	-39.98	-838.37	0.12						
					SLE Rare	0.00			-27.06			0.4	0.0	3.6	13.1		
					SLE Freq.	0.00			-13.71			0.2	0.0	1.8	6.6	OK	
					SLE Q.P.	0.00			-10.54			0.1	0.0	1.4	5.1	OK	
Camp.	3.005	1571	1571			22.44	431.86	0.09	0.00	-431.86	0.09						
					SLE Rare	15.19			0.00			0.0	0.3	14.4	2.4		
					SLE Freq.	7.60			0.00			0.0	0.1	7.2	1.2	OK	
					SLE Q.P.	5.75			0.00			0.0	0.1	5.4	0.9	OK	
42	5.885	2774	3142			9.04	743.50	0.11	-35.94	-838.36	0.12						
					SLE Rare	0.00			-24.31			0.3	0.0	3.3	11.7		

					SLE Freq.	0.00			-12.58			0.2	0.0	1.7	6.1	OK
					SLE Q.P.	0.00			-9.82			0.1	0.0	1.3	4.7	OK
Trave di fondazione Sez. 1 Rett. 800.0x800.0 [mm] FONDAZIONE																	
42	0.125	2774	3142			7.15	743.49	0.11	-41.21	-838.36	0.12						
					SLE Rare	0.00			-27.91			0.4	0.0	3.8	13.5		
					SLE Freq.	0.00			-14.08			0.2	0.0	1.9	6.8	OK	
					SLE Q.P.	0.00			-10.80			0.1	0.0	1.5	5.2	OK	
Camp.	3.005	1571	1571			20.00	431.86	0.09	0.00	-431.86	0.09						
					SLE Rare	13.53			0.00			0.0	0.3	12.8	2.2		
					SLE Freq.	6.87			0.00			0.0	0.1	6.5	1.1	OK	
					SLE Q.P.	5.23			0.00			0.0	0.1	5.0	0.8	OK	
43	5.885	2774	3142			7.65	743.50	0.11	-37.58	-838.36	0.12						
					SLE Rare	0.00			-25.40			0.3	0.0	3.4	12.3		
					SLE Freq.	0.00			-13.02			0.2	0.0	1.8	6.3	OK	
					SLE Q.P.	0.00			-10.06			0.1	0.0	1.4	4.9	OK	
Trave di fondazione Sez. 1 Rett. 800.0x800.0 [mm] FONDAZIONE																	
43	0.125	2774	3142			6.85	743.49	0.11	-44.18	-838.36	0.12						
					SLE Rare	0.00			-29.90			0.4	0.0	4.0	14.4		
					SLE Freq.	0.00			-14.86			0.2	0.0	2.0	7.2	OK	
					SLE Q.P.	0.00			-11.29			0.2	0.0	1.5	5.5	OK	
Camp.	3.005	1571	1571			18.82	431.86	0.09	0.00	-431.86	0.09						
					SLE Rare	12.83			0.00			0.0	0.2	12.1	2.1		
					SLE Freq.	7.23			0.00			0.0	0.1	6.9	1.2	OK	
					SLE Q.P.	5.86			0.00			0.0	0.1	5.6	0.9	OK	
44	5.885	2742	3142			13.42	735.10	0.11	-37.05	-838.36	0.12						
					SLE Rare	0.00			-24.89			0.3	0.0	3.4	12.0		
					SLE Freq.	0.00			-11.10			0.1	0.0	1.5	5.4	OK	
					SLE Q.P.	0.00			-7.96			0.1	0.0	1.1	3.8	OK	
Trave di fondazione Sez. 1 Rett. 800.0x800.0 [mm] FONDAZIONE																	
44	0.125	2753	3142			2.67	737.92	0.11	-44.92	-838.36	0.12						
					SLE Rare	0.00			-30.26			0.4	0.0	4.0	14.6		
					SLE Freq.	0.00			-13.99			0.2	0.0	1.9	6.8	OK	
					SLE Q.P.	0.00			-10.04			0.1	0.0	1.3	4.8	OK	
Camp.	3.005	1571	1571			27.09	431.86	0.09	-3.99	-431.86	0.09						
					SLE Rare	17.87			0.00			0.0	0.3	16.9	2.9		
					SLE Freq.	10.45			0.00			0.0	0.2	9.9	1.7	OK	
					SLE Q.P.	8.78			0.00			0.0	0.2	8.3	1.4	OK	
45	5.885	1571	1571			25.61	431.86	0.09	-34.34	-431.86	0.09						
					SLE Rare	0.00			-17.41			0.3	0.0	2.8	16.5		
					SLE Freq.	0.00			-6.44			0.1	0.0	1.0	6.1	OK	
					SLE Q.P.	0.00			-4.72			0.1	0.0	0.8	4.5	OK	
Trave di fondazione Sez. 1 Rett. 800.0x800.0 [mm]																	

					FONDAZIONE											
45	0.125	1571	1571			0.00	431.86	0.09	-12.03	-431.86	0.09					
					SLE Rare	0.00			-8.18			0.2	0.0	1.3	7.8	
					SLE Freq.	0.00			-4.56			0.1	0.0	0.7	4.3	OK
					SLE Q.P.	0.00			-3.67			0.1	0.0	0.6	3.5	OK
Camp.	0.708	1571	1571			0.00	431.86	0.09	-6.82	-431.86	0.09					
					SLE Rare	0.00			-2.05			0.0	0.0	0.3	1.9	
					SLE Freq.	0.00			-1.15			0.0	0.0	0.2	1.1	OK
					SLE Q.P.	0.00			-0.92			0.0	0.0	0.1	0.9	OK
46	1.290	1517	1571			0.02	417.81	0.09	-0.77	-431.86	0.09					
					SLE Rare	0.00			0.00			0.0	0.0	0.0	0.0	
					SLE Freq.	0.00			0.00			0.0	0.0	0.0	0.0	OK
					SLE Q.P.	0.00			0.00			0.0	0.0	0.0	0.0	OK

Da [m]	**A [m]**	**Dx [m]**	**cotg(θ)**	**V_{Ed} [kN]**	**$V_{Rd,c}$ [kN]**	**V_{Rcd} [kN]**	**V_{Rd} [kN]**	**Staffe**
Trave di fondazione 38 4 Sez. 1 Rett. 800.0x800.0 [mm] FONDAZIONE								
0.093	1.106	1.013	1.00	15.21	193.34	1881.22	313.19	ø 10 2br. 130.0'
Trave di fondazione 4 39 Sez. 1 Rett. 800.0x800.0 [mm] FONDAZIONE								
0.245	6.140	5.895	1.00	48.63	202.33	1881.22	313.19	ø 10 2br. 130.0'
Trave di fondazione 39 40 Sez. 1 Rett. 800.0x800.0 [mm] FONDAZIONE								
0.245	6.140	5.895	1.00	47.59	202.33	1881.22	313.19	ø 10 2br. 130.0'
Trave di fondazione 40 41 Sez. 1 Rett. 800.0x800.0 [mm] FONDAZIONE								
0.245	5.985	5.740	1.00	48.37	202.33	1881.22	313.19	ø 10 2br. 130.0'
Trave di fondazione 41 42 Sez. 1 Rett. 800.0x800.0 [mm] FONDAZIONE								
0.245	5.765	5.520	1.00	40.97	202.33	1881.22	313.19	ø 10 2br. 130.0'
Trave di fondazione 42 43 Sez. 1 Rett. 800.0x800.0 [mm] FONDAZIONE								
0.245	5.765	5.520	1.00	39.98	202.33	1881.22	313.19	ø 10 2br. 130.0'
Trave di fondazione 43 44 Sez. 1 Rett. 800.0x800.0 [mm] FONDAZIONE								
0.245	5.765	5.520	1.00	40.47	202.33	1881.22	313.19	ø 10 2br. 130.0'
Trave di fondazione 44 45 Sez. 1 Rett. 800.0x800.0 [mm] FONDAZIONE								
0.245	5.765	5.520	1.00	42.88	202.33	1881.22	313.19	ø 10 2br. 130.0'
Trave di fondazione 45 46 Sez. 1 Rett. 800.0x800.0 [mm] FONDAZIONE								
0.234	1.247	1.013	1.00	17.88	199.98	1881.22	313.19	ø 10 2br. 130.0'

Travata: *Travata 162 Nodi 5 1 2 3 4 47*

Nodo	**x [m]**	**A_{fe} [mm²]**	**A_{fi} [mm²]**	**q_T [kN/m]**	**M_{rif} [kNm]**	**M_{de} [kNm]**	**M_{re} [kNm]**	**x/d**	**M_{di} [kNm]**	**M_{ri} [kNm]**	**x/d**	**σ_{be} [MPa]**	**σ_{bi} [MPa]**	**σ_{fe} [MPa]**	**σ_{fi} [MPa]**	**w mm**
Trave di fondazione Sez. 1 Rett. 800.0x800.0 [mm] FONDAZIONE																
5	0.050	1062	1571			0.00	299.37	0.08	-0.51	-431.83	0.09					
					SLE Rare	0.00			-0.00			0.0	0.0	0.0	0.0	
					SLE Freq.	0.00			-0.00			0.0	0.0	0.0	0.0	OK
					SLE Q.P.	0.00			-0.00			0.0	0.0	0.0	0.0	OK
Camp.	0.633	1571	1571			0.16	431.86	0.09	-4.53	-431.86	0.09					
					SLE Rare	0.00			-1.36			0.0	0.0	0.2	1.3	
					SLE Freq.	0.00			-0.82			0.0	0.0	0.1	0.8	OK
					SLE Q.P.	0.00			-0.70			0.0	0.0	0.1	0.7	OK
1	1.215	1571	1571			0.25	431.86	0.09	-8.00	-431.86	0.09					
					SLE Rare	0.00			-5.42			0.1	0.0	0.9	5.1	
					SLE Freq.	0.00			-3.28			0.1	0.0	0.5	3.1	OK
					SLE Q.P.	0.00			-2.79			0.1	0.0	0.5	2.6	OK
Trave di fondazione Sez. 1 Rett. 800.0x800.0 [mm] FONDAZIONE																
1	0.125	1571	1571			72.53	431.86	0.09	-	-	0.09					

									70.99	431.86						
					SLE Rare	9.49			-7.49			0.1	0.2	9.0	7.1	
					SLE Freq.	2.16			-1.24			0.0	0.0	2.0	1.2	OK
					SLE Q.P.	0.77			0.00			0.0	0.0	0.7	0.1	OK
Camp.	3.915	1571	1571			46.86	431.86	0.09	-19.14	-431.86	0.09					
					SLE Rare	27.71			0.00			0.0	0.5	26.2	4.5	
					SLE Freq.	15.69			0.00			0.0	0.3	14.9	2.5	OK
					SLE Q.P.	13.14			0.00			0.0	0.2	12.4	2.1	OK
2	7.705	2789	3142			0.00	747.41	0.11	-84.53	-838.37	0.12					
					SLE Rare	0.00			-57.61			0.8	0.0	7.8	27.8	
					SLE Freq.	0.00			-30.41			0.4	0.0	4.1	14.7	OK
					SLE Q.P.	0.00			-23.77			0.3	0.0	3.2	11.5	OK
Trave di fondazione Sez. 1 Rett. 800.0x800.0 [mm] FONDAZIONE																
2	0.125	2787	3142			0.00	746.84	0.11	-84.34	-838.37	0.12					
					SLE Rare	0.00			-57.47			0.8	0.0	7.7	27.8	
					SLE Freq.	0.00			-30.05			0.4	0.0	4.0	14.5	OK
					SLE Q.P.	0.00			-23.35			0.3	0.0	3.1	11.3	OK
Camp.	1.395	1571	1571			0.00	431.86	0.09	-65.00	-431.86	0.09					
					SLE Rare	0.00			-42.35			0.8	0.0	6.8	40.1	
					SLE Freq.	0.00			-22.14			0.4	0.0	3.6	21.0	OK
					SLE Q.P.	0.00			-17.21			0.3	0.0	2.8	16.3	OK
3	2.665	2787	3142			0.00	746.84	0.11	-67.11	-838.37	0.12					
					SLE Rare	0.00			-45.75			0.6	0.0	6.2	22.1	
					SLE Freq.	0.00			-24.44			0.3	0.0	3.3	11.8	OK
					SLE Q.P.	0.00			-19.26			0.3	0.0	2.6	9.3	OK
Trave di fondazione Sez. 1 Rett. 800.0x800.0 [mm] FONDAZIONE																
3	0.125	2789	3142			0.00	747.41	0.11	-67.28	-838.37	0.12					
					SLE Rare	0.00			-45.88			0.6	0.0	6.2	22.2	
					SLE Freq.	0.00			-24.80			0.3	0.0	3.3	12.0	OK
					SLE Q.P.	0.00			-19.68			0.3	0.0	2.7	9.5	OK
Camp.	3.915	1571	1571			56.08	431.86	0.09	-13.85	-431.86	0.09					
					SLE Rare	36.45			0.00			0.0	0.7	34.5	5.9	
					SLE Freq.	19.84			0.00			0.0	0.4	18.8	3.2	OK
					SLE Q.P.	16.14			0.00			0.0	0.3	15.3	2.6	OK
4	7.705	1571	1571			72.49	431.86	0.09	-72.31	-431.86	0.09					
					SLE Rare	8.25			-8.72			0.2	0.2	7.8	8.3	
					SLE Freq.	1.48			-1.92			0.0	0.0	1.4	1.8	OK
					SLE Q.P.	0.09			0.00			0.0	0.0	0.1	0.0	OK
Trave di fondazione Sez. 1 Rett. 800.0x800.0 [mm] FONDAZIONE																
4	0.125	1571	1571			0.00	431.86	0.09	-10.74	-431.86	0.09					
					SLE Rare	0.00			-7.28			0.1	0.0	1.2	6.9	
					SLE Freq.	0.00			-4.17			0.1	0.0	0.7	4.0	OK
					SLE Q.P.	0.00			-3.44			0.1	0.0	0.6	3.3	OK

Camp.	0.708	1571	1571			0.00	431.86	0.09	-6.12	-431.86	0.09						
					SLE Rare	0.00			-1.85			0.0	0.0	0.3	1.7		
					SLE Freq.	0.00			-1.06			0.0	0.0	0.2	1.0	OK	
					SLE Q.P.	0.00			-0.87			0.0	0.0	0.1	0.8	OK	
47	1.290	1062	1571			0.00	299.37	0.08	-0.70	-431.83	0.09						
					SLE Rare	0.00			0.00			0.0	0.0	0.0	0.0		
					SLE Freq.	0.00			0.00			0.0	0.0	0.0	0.0	OK	
					SLE Q.P.	0.00			0.00			0.0	0.0	0.0	0.0	OK	

Da [m]	A [m]	Dx [m]	cotg(θ)	V_{Ed} [kN]	$V_{Rd,c}$ [kN]	V_{Rcd} [kN]	V_{Rd} [kN]	Staffe
Trave di fondazione 5 1 Sez. 1 Rett. 800.0x800.0 [mm] FONDAZIONE								
0.093	1.106	1.013	1.00	11.88	193.34	1881.22	313.19	ø 10 2br. 130.0'
Trave di fondazione 1 2 Sez. 1 Rett. 800.0x800.0 [mm] FONDAZIONE								
0.246	7.584	7.338	1.00	55.91	202.33	1881.22	313.19	ø 10 2br. 130.0'
Trave di fondazione 2 3 Sez. 1 Rett. 800.0x800.0 [mm] FONDAZIONE								
0.239	2.551	2.312	1.00	25.77	202.33	1881.22	313.19	ø 10 2br. 130.0'
Trave di fondazione 3 4 Sez. 1 Rett. 800.0x800.0 [mm] FONDAZIONE								
0.246	7.584	7.338	1.00	54.80	202.33	1881.22	313.19	ø 10 2br. 130.0'
Trave di fondazione 4 47 Sez. 1 Rett. 800.0x800.0 [mm] FONDAZIONE								
0.234	1.247	1.013	1.00	15.81	193.34	1881.22	313.19	ø 10 2br. 130.0'

Travata: *Travata 163 Nodi 6 14 39 48*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_{de} [kNm]	M_{re} [kNm]	x/d	M_{di} [kNm]	M_{ri} [kNm]	x/d	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]	w mm
Trave di fondazione Sez. 1 Rett. 800.0x800.0 [mm] FONDAZIONE																
6	0.050	1517	1571			0.16	417.81	0.09	-0.68	-431.86	0.09					
					SLE Rare	0.00			0.00			0.0	0.0	0.0	0.0	
					SLE Freq.	0.00			-0.00			0.0	0.0	0.0	0.0	OK
					SLE Q.P.	0.00			-0.00			0.0	0.0	0.0	0.0	OK
Camp.	0.633	1900	2690			0.70	517.28	0.10	-5.85	-721.72	0.12					
					SLE Rare	0.00			-1.78			0.0	0.0	0.3	1.0	
					SLE Freq.	0.00			-0.93			0.0	0.0	0.1	0.5	OK
					SLE Q.P.	0.00			-0.74			0.0	0.0	0.1	0.4	OK
14	1.215	2775	3142			0.95	743.79	0.11	-10.19	-838.36	0.12					
					SLE Rare	0.00			-6.89			0.1	0.0	0.9	3.3	
					SLE Freq.	0.00			-3.62			0.0	0.0	0.5	1.7	OK
					SLE Q.P.	0.00			-2.86			0.0	0.0	0.4	1.4	OK
Trave di fondazione Sez. 1 Rett. 800.0x800.0 [mm] FONDAZIONE																
14	0.125	2757	3142			97.36	739.01	0.11	-118.45	-838.36	0.12					
					SLE Rare	0.00			-37.48			0.5	0.0	5.1	18.1	
					SLE Freq.	0.00			-14.16			0.2	0.0	1.9	6.8	OK
					SLE Q.P.	0.00			-10.54			0.1	0.0	1.4	5.1	OK
Camp.	9.225	1571	1571			47.83	431.86	0.09	-8.89	-431.86	0.09					
					SLE Rare	31.94			0.00			0.0	0.6	30.2	5.2	
					SLE Freq.	16.64			0.00			0.0	0.3	15.8	2.7	OK
					SLE Q.P.	12.87			0.00			0.0	0.2	12.2	2.1	OK
39	18.325	1571	1571			98.01	431.86	0.09	-119.48	-431.86	0.09					
					SLE Rare	0.00			-39.05			0.7	0.0	6.3	37.0	
					SLE Freq.	0.00			-14.85			0.3	0.0	2.4	14.1	OK
					SLE Q.P.	0.00			-11.01			0.2	0.0	1.8	10.4	OK

Trave di fondazione Sez. 1 Rett. 800.0x800.0 [mm] FONDAZIONE																
39	0.125	1571	1571			0.13	431.86	0.09	-13.95	-431.86	0.09					
					SLE Rare	0.00			-9.44			0.2	0.0	1.5	8.9	
					SLE Freq.	0.00			-4.80			0.1	0.0	0.8	4.5	OK
					SLE Q.P.	0.00			-3.69			0.1	0.0	0.6	3.5	OK
Camp.	0.708	1571	1571			0.15	431.86	0.09	-8.02	-431.86	0.09					
					SLE Rare	0.00			-2.44			0.0	0.0	0.4	2.3	
					SLE Freq.	0.00			-1.24			0.0	0.0	0.2	1.2	OK
					SLE Q.P.	0.00			-0.95			0.0	0.0	0.2	0.9	OK
48	1.290	1517	1571			0.08	417.81	0.09	-0.93	-431.86	0.09					
					SLE Rare	0.00			0.00			0.0	0.0	0.0	0.0	
					SLE Freq.	0.00			0.00			0.0	0.0	0.0	0.0	OK
					SLE Q.P.	0.00			0.00			0.0	0.0	0.0	0.0	OK

Da [m]	A [m]	Dx [m]	cotg(θ)	V_{Ed} [kN]	$V_{Rd,c}$ [kN]	V_{Rcd} [kN]	V_{Rd} [kN]	Staffe
Trave di fondazione 6 14 Sez. 1 Rett. 800.0x800.0 [mm] FONDAZIONE								
0.093	1.106	1.013	1.00	14.73	199.98	1881.22	313.19	ø 10 2br. 130.0'
Trave di fondazione 14 39 Sez. 1 Rett. 800.0x800.0 [mm] FONDAZIONE								
0.248	18.202	17.953	1.00	45.07	198.74	1881.22	313.19	ø 10 2br. 130.0'
Trave di fondazione 39 48 Sez. 1 Rett. 800.0x800.0 [mm] FONDAZIONE								
0.234	1.247	1.013	1.00	20.15	199.98	1881.22	313.19	ø 10 2br. 130.0'

Travata: *Travata 164 Nodi 7 15 23 31 40 49*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_{de} [kNm]	M_{re} [kNm]	x/d	M_{di} [kNm]	M_{ri} [kNm]	x/d	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]	w mm
Trave di fondazione Sez. 1 Rett. 800.0x800.0 [mm] FONDAZIONE																
7	0.050	1517	1571			0.12	417.81	0.09	-0.64	-431.86	0.09					
					SLE Rare	0.00			0.00			0.0	0.0	0.0	0.0	
					SLE Freq.	0.00			0.00			0.0	0.0	0.0	0.0	OK
					SLE Q.P.	0.00			0.00			0.0	0.0	0.0	0.0	OK
Camp.	0.633	1571	1571			0.42	431.86	0.09	-5.64	-431.86	0.09					
					SLE Rare	0.00			-1.69			0.0	0.0	0.3	1.6	
					SLE Freq.	0.00			-0.89			0.0	0.0	0.1	0.8	OK
					SLE Q.P.	0.00			-0.70			0.0	0.0	0.1	0.7	OK
15	1.215	1571	1571			0.49	431.86	0.09	-9.93	-431.86	0.09					
					SLE Rare	0.00			-6.71			0.1	0.0	1.1	6.4	
					SLE Freq.	0.00			-3.52			0.1	0.0	0.6	3.3	OK
					SLE Q.P.	0.00			-2.77			0.1	0.0	0.4	2.6	OK
Trave di fondazione Sez. 1 Rett. 800.0x800.0 [mm] FONDAZIONE																
15	0.125	1571	1571			88.63	431.86	0.09	-92.43	-431.86	0.09					
					SLE Rare	6.78			-18.15			0.3	0.1	6.4	17.2	
					SLE Freq.	0.08			-4.90			0.1	0.0	0.8	4.6	OK
					SLE Q.P.	0.00			-1.89			0.0	0.0	0.3	1.8	OK
Camp.	3.915	1571	1571			50.45	431.86	0.09	-25.93	-431.86	0.09					
					SLE Rare	30.98			0.00			0.0	0.6	29.3	5.0	
					SLE Freq.	15.26			0.00			0.0	0.3	14.5	2.5	OK
					SLE Q.P.	11.89			0.00			0.0	0.2	11.3	1.9	OK
23	7.705	2789	3142			0.00	747.41	0.11	-72.69	-838.37	0.12					

					SLE Rare	0.00			-49.48			0.7	0.0	6.7	23.9	
					SLE Freq.	0.00			-21.29			0.3	0.0	2.9	10.3	OK
					SLE Q.P.	0.00			-14.37			0.2	0.0	1.9	6.9	OK
Trave di fondazione Sez. 1 Rett. 800.0x800.0 [mm] FONDAZIONE																
23	0.125	2787	3142			0.00	746.84	0.11	-76.46	-838.37	0.12					
					SLE Rare	0.00			-52.02			0.7	0.0	7.0	25.1	
					SLE Freq.	0.00			-22.85			0.3	0.0	3.1	11.0	OK
					SLE Q.P.	0.00			-15.57			0.2	0.0	2.1	7.5	OK
Camp.	1.395	1571	1571			0.00	431.86	0.09	-53.65	-431.86	0.09					
					SLE Rare	0.00			-33.74			0.6	0.0	5.4	32.0	
					SLE Freq.	0.00			-14.33			0.3	0.0	2.3	13.6	OK
					SLE Q.P.	0.00			-9.49			0.2	0.0	1.5	9.0	OK
31	2.665	2787	3142			4.19	746.84	0.11	-48.69	-838.37	0.12					
					SLE Rare	0.00			-33.18			0.4	0.0	4.5	16.0	
					SLE Freq.	0.00			-14.08			0.2	0.0	1.9	6.8	OK
					SLE Q.P.	0.00			-9.31			0.1	0.0	1.3	4.5	OK
Trave di fondazione Sez. 1 Rett. 800.0x800.0 [mm] FONDAZIONE																
31	0.125	2789	3142			4.67	747.41	0.11	-45.89	-838.37	0.12					
					SLE Rare	0.00			-31.30			0.4	0.0	4.2	15.1	
					SLE Freq.	0.00			-12.83			0.2	0.0	1.7	6.2	OK
					SLE Q.P.	0.00			-8.34			0.1	0.0	1.1	4.0	OK
Camp.	3.915	1571	1571			65.55	431.86	0.09	-21.16	-431.86	0.09					
					SLE Rare	43.54			0.00			0.0	0.8	41.2	7.0	
					SLE Freq.	21.07			0.00			0.0	0.4	20.0	3.4	OK
					SLE Q.P.	16.02			0.00			0.0	0.3	15.2	2.6	OK
40	7.705	1571	1571			87.85	431.86	0.09	-94.70	-431.86	0.09					
					SLE Rare	3.65			-21.28			0.4	0.1	3.5	20.2	
					SLE Freq.	0.00			-6.44			0.1	0.0	1.0	6.1	OK
					SLE Q.P.	0.00			-3.43			0.1	0.0	0.6	3.2	OK
Trave di fondazione Sez. 1 Rett. 800.0x800.0 [mm] FONDAZIONE																
40	0.125	1571	1571			0.00	431.86	0.09	-14.02	-431.86	0.09					
					SLE Rare	0.00			-9.48			0.2	0.0	1.5	9.0	
					SLE Freq.	0.00			-4.80			0.1	0.0	0.8	4.5	OK
					SLE Q.P.	0.00			-3.68			0.1	0.0	0.6	3.5	OK
Camp.	0.708	1571	1571			0.04	431.86	0.09	-8.00	-431.86	0.09					
					SLE Rare	0.00			-2.41			0.0	0.0	0.4	2.3	
					SLE Freq.	0.00			-1.22			0.0	0.0	0.2	1.2	OK
					SLE Q.P.	0.00			-0.94			0.0	0.0	0.2	0.9	OK
49	1.290	1517	1571			0.04	417.81	0.09	-0.92	-431.86	0.09					
					SLE Rare	0.00			0.00			0.0	0.0	0.0	0.0	
					SLE Freq.	0.00			-0.00			0.0	0.0	0.0	0.0	OK
					SLE Q.P.	0.00			0.00			0.0	0.0	0.0	0.0	OK

Da [m]	A [m]	Dx [m]	cotg(θ)	V_{Ed} [kN]	$V_{Rd,c}$ [kN]	V_{Rcd} [kN]	V_{Rd} [kN]	Staffe
Trave di fondazione 7 15 Sez. 1 Rett. 800.0x800.0 [mm] FONDAZIONE								
0.093	1.106	1.013	1.00	14.67	199.98	1881.22	313.19	ø 10 2br. 130.0'
Trave di fondazione 15 23 Sez. 1 Rett. 800.0x800.0 [mm] FONDAZIONE								
0.246	7.584	7.338	1.00	54.06	202.33	1881.22	313.19	ø 10 2br. 130.0'
Trave di fondazione 23 31 Sez. 1 Rett. 800.0x800.0 [mm] FONDAZIONE								
0.239	2.551	2.312	1.00	29.11	202.33	1881.22	313.19	ø 10 2br. 130.0'
Trave di fondazione 31 40 Sez. 1 Rett. 800.0x800.0 [mm] FONDAZIONE								
0.246	7.584	7.338	1.00	51.99	202.33	1881.22	313.19	ø 10 2br. 130.0'
Trave di fondazione 40 49 Sez. 1 Rett. 800.0x800.0 [mm] FONDAZIONE								
0.234	1.247	1.013	1.00	20.55	199.98	1881.22	313.19	ø 10 2br. 130.0'

Travata: *Travata 165 Nodi 8 16 24 32 41 50*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_{de} [kNm]	M_{re} [kNm]	x/d	M_{di} [kNm]	M_{ri} [kNm]	x/d	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]	w mm
Trave di fondazione Sez. 1 Rett. 800.0x800.0 [mm] FONDAZIONE																
8	0.050	1062	1571			0.00	299.37	0.08	-0.60	-431.83	0.09					
					SLE Rare	0.00			-0.00			0.0	0.0	0.0	0.0	
					SLE Freq.	0.00			0.00			0.0	0.0	0.0	0.0	OK
					SLE Q.P.	0.00			0.00			0.0	0.0	0.0	0.0	OK
Camp.	0.633	1571	1571			0.00	431.86	0.09	-5.24	-431.86	0.09					
					SLE Rare	0.00			-1.57			0.0	0.0	0.3	1.5	
					SLE Freq.	0.00			-0.84			0.0	0.0	0.1	0.8	OK
					SLE Q.P.	0.00			-0.67			0.0	0.0	0.1	0.6	OK
16	1.215	1571	1571			0.00	431.86	0.09	-9.23	-431.86	0.09					
					SLE Rare	0.00			-6.24			0.1	0.0	1.0	5.9	
					SLE Freq.	0.00			-3.34			0.1	0.0	0.5	3.2	OK
					SLE Q.P.	0.00			-2.66			0.0	0.0	0.4	2.5	OK
Trave di fondazione Sez. 1 Rett. 800.0x800.0 [mm] FONDAZIONE																
16	0.125	1571	1571			42.41	431.86	0.09	-48.80	-431.86	0.09					
					SLE Rare	1.46			-17.19			0.3	0.0	2.8	16.3	
					SLE Freq.	0.00			-5.67			0.1	0.0	0.9	5.4	OK
					SLE Q.P.	0.00			-3.32			0.1	0.0	0.5	3.1	OK
Camp.	3.915	1571	1571			45.15	431.86	0.09	-1.15	-431.86	0.09					
					SLE Rare	29.53			0.00			0.0	0.5	28.0	4.8	
					SLE Freq.	15.07			0.00			0.0	0.3	14.3	2.4	OK
					SLE Q.P.	11.71			0.00			0.0	0.2	11.1	1.9	OK
24	7.705	2789	3142			24.82	747.41	0.11	-60.92	-838.37	0.12					
					SLE Rare	0.00			-41.37			0.6	0.0	5.6	20.0	
					SLE Freq.	0.00			-16.39			0.2	0.0	2.2	7.9	OK
					SLE Q.P.	0.00			-10.72			0.1	0.0	1.4	5.2	OK
Trave di fondazione Sez. 1 Rett. 800.0x800.0 [mm] FONDAZIONE																
24	0.125	2787	3142			0.00	746.84	0.11	-84.15	-838.37	0.12					
					SLE Rare	0.00			-57.07			0.8	0.0	7.7	27.6	
					SLE Freq.	0.00			-24.33			0.3	0.0	3.3	11.8	OK
					SLE Q.P.	0.00			-			0.2	0.0	2.2	7.8	OK

									16.18							
Camp.	1.395	1571	1571			0.00	431.86	0.09	-63.90	-431.86	0.09					
					SLE Rare	0.00			-41.00			0.8	0.0	6.6	38.8	
					SLE Freq.	0.00			-16.89			0.3	0.0	2.7	16.0	OK
					SLE Q.P.	0.00			-10.90			0.2	0.0	1.8	10.3	OK
32	2.665	2787	3142			0.00	746.84	0.11	-61.85	-838.37	0.12					
					SLE Rare	0.00			-41.94			0.6	0.0	5.6	20.3	
					SLE Freq.	0.00			-17.27			0.2	0.0	2.3	8.3	OK
					SLE Q.P.	0.00			-11.14			0.1	0.0	1.5	5.4	OK
Trave di fondazione Sez. 1 Rett. 800.0x800.0 [mm] FONDAZIONE																
32	0.125	2789	3142			30.96	747.41	0.11	-42.37	-838.37	0.12					
					SLE Rare	0.00			-26.31			0.4	0.0	3.5	12.7	
					SLE Freq.	0.00			-9.36			0.1	0.0	1.3	4.5	OK
					SLE Q.P.	0.00			-5.70			0.1	0.0	0.8	2.8	OK
Camp.	3.915	1571	1571			61.69	431.86	0.09	0.00	-431.86	0.09					
					SLE Rare	41.29			0.00			0.0	0.8	39.1	6.7	
					SLE Freq.	20.52			0.00			0.0	0.4	19.4	3.3	OK
					SLE Q.P.	15.58			0.00			0.0	0.3	14.8	2.5	OK
41	7.705	1571	1571			42.14	431.86	0.09	-50.20	-431.86	0.09					
					SLE Rare	0.00			-19.76			0.4	0.0	3.2	18.7	
					SLE Freq.	0.00			-6.94			0.1	0.0	1.1	6.6	OK
					SLE Q.P.	0.00			-4.59			0.1	0.0	0.7	4.4	OK
Trave di fondazione Sez. 1 Rett. 800.0x800.0 [mm] FONDAZIONE																
41	0.125	1571	1571			0.00	431.86	0.09	-13.25	-431.86	0.09					
					SLE Rare	0.00			-8.96			0.2	0.0	1.4	8.5	
					SLE Freq.	0.00			-4.60			0.1	0.0	0.7	4.4	OK
					SLE Q.P.	0.00			-3.55			0.1	0.0	0.6	3.4	OK
Camp.	0.708	1571	1571			0.00	431.86	0.09	-7.56	-431.86	0.09					
					SLE Rare	0.00			-2.28			0.0	0.0	0.4	2.2	
					SLE Freq.	0.00			-1.17			0.0	0.0	0.2	1.1	OK
					SLE Q.P.	0.00			-0.90			0.0	0.0	0.1	0.9	OK
50	1.290	1062	1571			0.00	299.37	0.08	-0.87	-431.83	0.09					
					SLE Rare	0.00			0.00			0.0	0.0	0.0	0.0	
					SLE Freq.	0.00			0.00			0.0	0.0	0.0	0.0	OK
					SLE Q.P.	0.00			0.00			0.0	0.0	0.0	0.0	OK

Da [m]	**A [m]**	**Dx [m]**	**cotg(θ)**	**V_{Ed} [kN]**	**$V_{Rd,c}$ [kN]**	**V_{Rcd} [kN]**	**V_{Rd} [kN]**	**Staffe**
Trave di fondazione 8 16 Sez. 1 Rett. 800.0x800.0 [mm] FONDAZIONE								
0.093	1.106	1.013	1.00	13.67	193.34	1881.22	313.19	ø 10 2br. 130.0'
Trave di fondazione 16 24 Sez. 1 Rett. 800.0x800.0 [mm] FONDAZIONE								
0.246	7.584	7.338	1.00	49.33	202.33	1881.22	313.19	ø 10 2br. 130.0'
Trave di fondazione 24 32 Sez. 1 Rett. 800.0x800.0 [mm] FONDAZIONE								
0.239	2.551	2.312	1.00	26.22	202.33	1881.22	313.19	ø 10 2br. 130.0'
Trave di fondazione 32 41 Sez. 1 Rett. 800.0x800.0 [mm] FONDAZIONE								
0.246	7.584	7.338	1.00	48.34	202.33	1881.22	313.19	ø 10 2br. 130.0'
Trave di fondazione 41 50 Sez. 1 Rett. 800.0x800.0 [mm] FONDAZIONE								
0.234	1.247	1.013	1.00	19.44	193.34	1881.22	313.19	ø 10 2br. 130.0'

Travata: *Travata 166 Nodi 9 17 25 33 42 51*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_{de} [kNm]	M_{re} [kNm]	x/d	M_{di} [kNm]	M_{ri} [kNm]	x/d	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]	w mm
Trave di fondazione Sez. 1 Rett. 800.0x800.0 [mm] FONDAZIONE																
9	0.050	1062	1571			0.01	299.37	0.08	-0.58	-431.83	0.09					
					SLE Rare	0.00			0.00			0.0	0.0	0.0	0.0	
					SLE Freq.	0.00			0.00			0.0	0.0	0.0	0.0	OK
					SLE Q.P.	0.00			0.00			0.0	0.0	0.0	0.0	OK
Camp.	0.633	1571	1571			0.00	431.86	0.09	-5.05	-431.86	0.09					
					SLE Rare	0.00			-1.51			0.0	0.0	0.2	1.4	
					SLE Freq.	0.00			-0.82			0.0	0.0	0.1	0.8	OK
					SLE Q.P.	0.00			-0.66			0.0	0.0	0.1	0.6	OK
17	1.215	1571	1571			0.00	431.86	0.09	-8.88	-431.86	0.09					
					SLE Rare	0.00			-6.00			0.1	0.0	1.0	5.7	
					SLE Freq.	0.00			-3.24			0.1	0.0	0.5	3.1	OK
					SLE Q.P.	0.00			-2.59			0.0	0.0	0.4	2.4	OK
Trave di fondazione Sez. 1 Rett. 800.0x800.0 [mm] FONDAZIONE																
17	0.125	1571	1571			37.97	431.86	0.09	-45.23	-431.86	0.09					
					SLE Rare	0.00			-17.21			0.3	0.0	2.8	16.3	
					SLE Freq.	0.00			-5.96			0.1	0.0	1.0	5.6	OK
					SLE Q.P.	0.00			-3.80			0.1	0.0	0.6	3.6	OK
Camp.	3.915	1571	1571			42.28	431.86	0.09	0.00	-431.86	0.09					
					SLE Rare	27.86			0.00			0.0	0.5	26.4	4.5	
					SLE Freq.	14.42			0.00			0.0	0.3	13.7	2.3	OK
					SLE Q.P.	11.24			0.00			0.0	0.2	10.6	1.8	OK
25	7.705	2789	3142			34.16	747.41	0.11	-50.73	-838.37	0.12					
					SLE Rare	0.00			-34.42			0.5	0.0	4.6	16.6	
					SLE Freq.	0.00			-12.94			0.2	0.0	1.7	6.2	OK
					SLE Q.P.	0.00			-8.21			0.1	0.0	1.1	4.0	OK
Trave di fondazione Sez. 1 Rett. 800.0x800.0 [mm] FONDAZIONE																
25	0.125	2787	3142			0.00	746.84	0.11	-76.09	-838.37	0.12					
					SLE Rare	0.00			-51.56			0.7	0.0	6.9	24.9	
					SLE Freq.	0.00			-21.65			0.3	0.0	2.9	10.5	OK
					SLE Q.P.	0.00			-14.20			0.2	0.0	1.9	6.9	OK
Camp.	1.395	1571	1571			0.00	431.86	0.09	-57.15	-431.86	0.09					
					SLE Rare	0.00			-36.48			0.7	0.0	5.9	34.5	
					SLE Freq.	0.00			-14.71			0.3	0.0	2.4	13.9	OK
					SLE Q.P.	0.00			-9.27			0.2	0.0	1.5	8.8	OK
33	2.665	2787	3142			0.00	746.84	0.11	-54.25	-838.37	0.12					
					SLE Rare	0.00			-36.74			0.5	0.0	4.9	17.7	
					SLE Freq.	0.00			-14.74			0.2	0.0	2.0	7.1	OK
					SLE Q.P.	0.00			-9.26			0.1	0.0	1.2	4.5	OK
Trave di fondazione Sez. 1 Rett. 800.0x800.0 [mm] FONDAZIONE																

33	0.125	2789	3142			40.33	747.41	0.11	-47.07	-838.37	0.12					
					SLE Rare	0.00			-19.88			0.3	0.0	2.7	9.6	
					SLE Freq.	0.00			-6.15			0.1	0.0	0.8	3.0	OK
					SLE Q.P.	0.00			-3.37			0.0	0.0	0.5	1.6	OK
Camp.	3.915	1571	1571			58.47	431.86	0.09	0.00	-431.86	0.09					
					SLE Rare	39.38			0.00			0.0	0.7	37.3	6.4	
					SLE Freq.	19.75			0.00			0.0	0.4	18.7	3.2	OK
					SLE Q.P.	15.03			0.00			0.0	0.3	14.2	2.4	OK
42	7.705	1571	1571			37.65	431.86	0.09	-46.89	-431.86	0.09					
					SLE Rare	0.00			-19.89			0.4	0.0	3.2	18.8	
					SLE Freq.	0.00			-7.28			0.1	0.0	1.2	6.9	OK
					SLE Q.P.	0.00			-5.13			0.1	0.0	0.8	4.9	OK
Trave di fondazione Sez. 1 Rett. 800.0x800.0 [mm] FONDAZIONE																
42	0.125	1571	1571			0.00	431.86	0.09	-12.87	-431.86	0.09					
					SLE Rare	0.00			-8.71			0.2	0.0	1.4	8.3	
					SLE Freq.	0.00			-4.49			0.1	0.0	0.7	4.3	OK
					SLE Q.P.	0.00			-3.47			0.1	0.0	0.6	3.3	OK
Camp.	0.708	1571	1571			0.00	431.86	0.09	-7.35	-431.86	0.09					
					SLE Rare	0.00			-2.22			0.0	0.0	0.4	2.1	
					SLE Freq.	0.00			-1.14			0.0	0.0	0.2	1.1	OK
					SLE Q.P.	0.00			-0.89			0.0	0.0	0.1	0.8	OK
51	1.290	1062	1571			0.00	299.37	0.08	-0.84	-431.83	0.09					
					SLE Rare	0.00			-0.00			0.0	0.0	0.0	0.0	
					SLE Freq.	0.00			0.00			0.0	0.0	0.0	0.0	OK
					SLE Q.P.	0.00			0.00			0.0	0.0	0.0	0.0	OK

Da [m]	A [m]	Dx [m]	cotg(θ)	V_{Ed} [kN]	$V_{Rd,c}$ [kN]	V_{Rcd} [kN]	V_{Rd} [kN]	Staffe
Trave di fondazione 9 17 Sez. 1 Rett. 800.0x800.0 [mm] FONDAZIONE								
0.093	1.106	1.013	1.00	13.13	193.34	1881.22	313.19	ø 10 2br. 130.0'
Trave di fondazione 17 25 Sez. 1 Rett. 800.0x800.0 [mm] FONDAZIONE								
0.246	7.584	7.338	1.00	43.89	202.33	1881.22	313.19	ø 10 2br. 130.0'
Trave di fondazione 25 33 Sez. 1 Rett. 800.0x800.0 [mm] FONDAZIONE								
0.239	2.551	2.312	1.00	24.35	202.33	1881.22	313.19	ø 10 2br. 130.0'
Trave di fondazione 33 42 Sez. 1 Rett. 800.0x800.0 [mm] FONDAZIONE								
0.246	7.584	7.338	1.00	44.43	202.33	1881.22	313.19	ø 10 2br. 130.0'
Trave di fondazione 42 51 Sez. 1 Rett. 800.0x800.0 [mm] FONDAZIONE								
0.234	1.247	1.013	1.00	18.87	193.34	1881.22	313.19	ø 10 2br. 130.0'

Travata: *Travata 167 Nodi 10 18 26 34 43 52*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_{de} [kNm]	M_{re} [kNm]	x/d	M_{di} [kNm]	M_{ri} [kNm]	x/d	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]	w mm
Trave di fondazione Sez. 1 Rett. 800.0x800.0 [mm] FONDAZIONE																
10	0.050	1062	1571			0.01	299.37	0.08	-0.57	-431.83	0.09					
					SLE Rare	0.00			-0.00			0.0	0.0	0.0	0.0	
					SLE Freq.	0.00			-0.00			0.0	0.0	0.0	0.0	OK
					SLE Q.P.	0.00			-0.00			0.0	0.0	0.0	0.0	OK
Camp.	0.633	1571	1571			0.00	431.86	0.09	-5.00	-431.86	0.09					
					SLE Rare	0.00			-1.50			0.0	0.0	0.2	1.4	
					SLE Freq.	0.00			-0.81			0.0	0.0	0.1	0.8	OK

					SLE Q.P.	0.00			-0.65			0.0	0.0	0.1	0.6	OK
18	1.215	1571	1571			0.00	431.86	0.09	-8.81	-431.86	0.09					
					SLE Rare	0.00			-5.95			0.1	0.0	1.0	5.6	
					SLE Freq.	0.00			-3.20			0.1	0.0	0.5	3.0	OK
					SLE Q.P.	0.00			-2.55			0.0	0.0	0.4	2.4	OK
Trave di fondazione Sez. 1 Rett. 800.0x800.0 [mm] FONDAZIONE																
18	0.125	1571	1571			41.04	431.86	0.09	-48.52	-431.86	0.09					
					SLE Rare	0.00			-16.94			0.3	0.0	2.7	16.0	
					SLE Freq.	0.00			-5.89			0.1	0.0	0.9	5.6	OK
					SLE Q.P.	0.00			-3.78			0.1	0.0	0.6	3.6	OK
Camp.	3.915	1571	1571			41.79	431.86	0.09	0.00	-431.86	0.09					
					SLE Rare	27.56			0.00			0.0	0.5	26.1	4.4	
					SLE Freq.	14.23			0.00			0.0	0.3	13.5	2.3	OK
					SLE Q.P.	11.07			0.00			0.0	0.2	10.5	1.8	OK
26	7.705	2789	3142			38.19	747.41	0.11	-53.83	-838.37	0.12					
					SLE Rare	0.00			-33.71			0.4	0.0	4.5	16.3	
					SLE Freq.	0.00			-12.47			0.2	0.0	1.7	6.0	OK
					SLE Q.P.	0.00			-7.82			0.1	0.0	1.1	3.8	OK
Trave di fondazione Sez. 1 Rett. 800.0x800.0 [mm] FONDAZIONE																
26	0.125	2787	3142			0.00	746.84	0.11	-74.76	-838.37	0.12					
					SLE Rare	0.00			-50.66			0.7	0.0	6.8	24.5	
					SLE Freq.	0.00			-21.19			0.3	0.0	2.9	10.2	OK
					SLE Q.P.	0.00			-13.84			0.2	0.0	1.9	6.7	OK
Camp.	1.395	1571	1571			0.00	431.86	0.09	-56.03	-431.86	0.09					
					SLE Rare	0.00			-35.71			0.7	0.0	5.8	33.8	
					SLE Freq.	0.00			-14.31			0.3	0.0	2.3	13.5	OK
					SLE Q.P.	0.00			-8.97			0.2	0.0	1.4	8.5	OK
34	2.665	2787	3142			0.00	746.84	0.11	-52.80	-838.37	0.12					
					SLE Rare	0.00			-35.76			0.5	0.0	4.8	17.3	
					SLE Freq.	0.00			-14.24			0.2	0.0	1.9	6.9	OK
					SLE Q.P.	0.00			-8.88			0.1	0.0	1.2	4.3	OK
Trave di fondazione Sez. 1 Rett. 800.0x800.0 [mm] FONDAZIONE																
34	0.125	2789	3142			44.47	747.41	0.11	-50.38	-838.37	0.12					
					SLE Rare	0.00			-19.10			0.3	0.0	2.6	9.2	
					SLE Freq.	0.00			-5.66			0.1	0.0	0.8	2.7	OK
					SLE Q.P.	0.00			-2.95			0.0	0.0	0.4	1.4	OK
Camp.	3.915	1571	1571			57.72	431.86	0.09	0.00	-431.86	0.09					
					SLE Rare	38.92			0.00			0.0	0.7	36.9	6.3	
					SLE Freq.	19.50			0.00			0.0	0.4	18.5	3.1	OK
					SLE Q.P.	14.81			0.00			0.0	0.3	14.0	2.4	OK
43	7.705	1571	1571			40.59	431.86	0.09	-50.41	-431.86	0.09					
					SLE Rare	0.00			-19.97			0.4	0.0	3.2	18.9	
					SLE Freq.	0.00			-7.37			0.1	0.0	1.2	7.0	OK
					SLE Q.P.	0.00			-5.26			0.1	0.0	0.8	5.0	OK

Trave di fondazione Sez. 1 Rett. 800.0x800.0 [mm] FONDAZIONE																
43	0.125	1571	1571			0.00	431.86	0.09	-12.80	-431.86	0.09					
					SLE Rare	0.00			-8.66			0.2	0.0	1.4	8.2	
					SLE Freq.	0.00			-4.45			0.1	0.0	0.7	4.2	OK
					SLE Q.P.	0.00			-3.43			0.1	0.0	0.6	3.3	OK
Camp.	0.708	1571	1571			0.00	431.86	0.09	-7.31	-431.86	0.09					
					SLE Rare	0.00			-2.20			0.0	0.0	0.4	2.1	
					SLE Freq.	0.00			-1.13			0.0	0.0	0.2	1.1	OK
					SLE Q.P.	0.00			-0.88			0.0	0.0	0.1	0.8	OK
52	1.290	1062	1571			0.01	299.37	0.08	-0.84	-431.83	0.09					
					SLE Rare	0.00			-0.00			0.0	0.0	0.0	0.0	
					SLE Freq.	0.00			0.00			0.0	0.0	0.0	0.0	OK
					SLE Q.P.	0.00			0.00			0.0	0.0	0.0	0.0	OK

Da [m]	**A [m]**	**Dx [m]**	**cotg(θ)**	**V_{Ed} [kN]**	**$V_{Rd,c}$ [kN]**	**V_{Rcd} [kN]**	**V_{Rd} [kN]**	**Staffe**
Trave di fondazione 10 18 Sez. 1 Rett. 800.0x800.0 [mm] FONDAZIONE								
0.093	1.106	1.013	1.00	13.02	193.34	1881.22	313.19	ø 10 2br. 130.0'
Trave di fondazione 18 26 Sez. 1 Rett. 800.0x800.0 [mm] FONDAZIONE								
0.246	7.584	7.338	1.00	43.20	202.33	1881.22	313.19	ø 10 2br. 130.0'
Trave di fondazione 26 34 Sez. 1 Rett. 800.0x800.0 [mm] FONDAZIONE								
0.239	2.551	2.312	1.00	24.12	202.33	1881.22	313.19	ø 10 2br. 130.0'
Trave di fondazione 34 43 Sez. 1 Rett. 800.0x800.0 [mm] FONDAZIONE								
0.246	7.584	7.338	1.00	44.32	202.33	1881.22	313.19	ø 10 2br. 130.0'
Trave di fondazione 43 52 Sez. 1 Rett. 800.0x800.0 [mm] FONDAZIONE								
0.234	1.247	1.013	1.00	18.76	193.34	1881.22	313.19	ø 10 2br. 130.0'

Travata: *Travata 168 Nodi 11 19 27 35 44 53*

Nodo	**x [m]**	**A_{fe} [mm²]**	**A_{fi} [mm²]**	**q_T [kN/m]**	**M_{rif} [kNm]**	**M_{de} [kNm]**	**M_{re} [kNm]**	**x/d**	**M_{di} [kNm]**	**M_{ri} [kNm]**	**x/d**	**σ_{be} [MPa]**	**σ_{bi} [MPa]**	**σ_{fe} [MPa]**	**σ_{fi} [MPa]**	**w mm**
Trave di fondazione Sez. 1 Rett. 800.0x800.0 [mm] FONDAZIONE																
11	0.050	1517	1571			0.02	417.81	0.09	-0.57	-431.86	0.09					
					SLE Rare	0.00			-0.00			0.0	0.0	0.0	0.0	
					SLE Freq.	0.00			-0.00			0.0	0.0	0.0	0.0	OK
					SLE Q.P.	0.00			-0.00			0.0	0.0	0.0	0.0	OK
Camp.	0.633	1571	1571			0.00	431.86	0.09	-5.03	-431.86	0.09					
					SLE Rare	0.00			-1.51			0.0	0.0	0.2	1.4	
					SLE Freq.	0.00			-0.82			0.0	0.0	0.1	0.8	OK
					SLE Q.P.	0.00			-0.65			0.0	0.0	0.1	0.6	OK
19	1.215	1571	1571			0.00	431.86	0.09	-8.85	-431.86	0.09					
					SLE Rare	0.00			-5.99			0.1	0.0	1.0	5.7	
					SLE Freq.	0.00			-3.24			0.1	0.0	0.5	3.1	OK
					SLE Q.P.	0.00			-2.58			0.0	0.0	0.4	2.4	OK
Trave di fondazione Sez. 1 Rett. 800.0x800.0 [mm] FONDAZIONE																
19	0.125	1571	1571			44.26	431.86	0.09	-51.74	-431.86	0.09					
					SLE Rare	0.00			-16.19			0.3	0.0	2.6	15.3	
					SLE Freq.	0.00			-5.74			0.1	0.0	0.9	5.4	OK
					SLE Q.P.	0.00			-3.78			0.1	0.0	0.6	3.6	OK
Camp.	3.915	1571	1571			42.19	431.86	0.09	-0.44	-431.86	0.09					
					SLE Rare	27.81			0.00			0.0	0.5	26.3	4.5	

					SLE Freq.	14.50			0.00			0.0	0.3	13.7	2.3	OK
					SLE Q.P.	11.33			0.00			0.0	0.2	10.7	1.8	OK
27	7.705	2789	3142			39.00	747.41	0.11	-57.51	-838.37	0.12					
					SLE Rare	0.00			-36.16			0.5	0.0	4.9	17.5	
					SLE Freq.	0.00			-14.17			0.2	0.0	1.9	6.8	OK
					SLE Q.P.	0.00			-9.26			0.1	0.0	1.2	4.5	OK
Trave di fondazione Sez. 1 Rett. 800.0x800.0 [mm] FONDAZIONE																
27	0.125	2787	3142			0.00	746.84	0.11	-77.84	-838.37	0.12					
					SLE Rare	0.00			-52.76			0.7	0.0	7.1	25.5	
					SLE Freq.	0.00			-22.68			0.3	0.0	3.1	11.0	OK
					SLE Q.P.	0.00			-15.24			0.2	0.0	2.1	7.4	OK
Camp.	1.395	1571	1571			0.00	431.86	0.09	-58.82	-431.86	0.09					
					SLE Rare	0.00			-37.66			0.7	0.0	6.1	35.7	
					SLE Freq.	0.00			-15.67			0.3	0.0	2.5	14.8	OK
					SLE Q.P.	0.00			-10.24			0.2	0.0	1.7	9.7	OK
35	2.665	2787	3142			0.00	746.84	0.11	-56.62	-838.37	0.12					
					SLE Rare	0.00			-38.37			0.5	0.0	5.2	18.5	
					SLE Freq.	0.00			-15.96			0.2	0.0	2.1	7.7	OK
					SLE Q.P.	0.00			-10.44			0.1	0.0	1.4	5.0	OK
Trave di fondazione Sez. 1 Rett. 800.0x800.0 [mm] FONDAZIONE																
35	0.125	2789	3142			44.80	747.41	0.11	-54.26	-838.37	0.12					
					SLE Rare	0.00			-22.58			0.3	0.0	3.0	10.9	
					SLE Freq.	0.00			-7.83			0.1	0.0	1.1	3.8	OK
					SLE Q.P.	0.00			-4.73			0.1	0.0	0.6	2.3	OK
Camp.	3.915	1571	1571			56.83	431.86	0.09	0.00	-431.86	0.09					
					SLE Rare	38.27			0.00			0.0	0.7	36.2	6.2	
					SLE Freq.	19.37			0.00			0.0	0.4	18.3	3.1	OK
					SLE Q.P.	14.80			0.00			0.0	0.3	14.0	2.4	OK
44	7.705	1571	1571			43.97	431.86	0.09	-53.66	-431.86	0.09					
					SLE Rare	0.00			-19.26			0.4	0.0	3.1	18.2	
					SLE Freq.	0.00			-7.15			0.1	0.0	1.2	6.8	OK
					SLE Q.P.	0.00			-5.19			0.1	0.0	0.8	4.9	OK
Trave di fondazione Sez. 1 Rett. 800.0x800.0 [mm] FONDAZIONE																
44	0.125	1571	1571			0.00	431.86	0.09	-12.54	-431.86	0.09					
					SLE Rare	0.00			-8.49			0.2	0.0	1.4	8.0	
					SLE Freq.	0.00			-4.40			0.1	0.0	0.7	4.2	OK
					SLE Q.P.	0.00			-3.41			0.1	0.0	0.5	3.2	OK
Camp.	0.708	1571	1571			0.00	431.86	0.09	-7.15	-431.86	0.09					
					SLE Rare	0.00			-2.16			0.0	0.0	0.3	2.0	
					SLE Freq.	0.00			-1.12			0.0	0.0	0.2	1.1	OK
					SLE Q.P.	0.00			-0.87			0.0	0.0	0.1	0.8	OK
53	1.290	1517	1571			0.01	417.81	0.09	-0.82	-431.86	0.09					
					SLE Rare	0.00			0.00			0.0	0.0	0.0	0.0	

	SLE Freq.	0.00			0.00			0.0	0.0	0.0	0.0	OK
	SLE Q.P.	0.00			0.00			0.0	0.0	0.0	0.0	OK

Da [m]	A [m]	Dx [m]	cotg(θ)	V_{Ed} [kN]	$V_{Rd,c}$ [kN]	V_{Rcd} [kN]	V_{Rd} [kN]	Staffe
Trave di fondazione 11 19 Sez. 1 Rett. 800.0x800.0 [mm] FONDAZIONE								
0.093	1.106	1.013	1.00	13.11	199.98	1881.22	313.19	ø 10 2br. 130.0'
Trave di fondazione 19 27 Sez. 1 Rett. 800.0x800.0 [mm] FONDAZIONE								
0.246	7.584	7.338	1.00	45.07	202.33	1881.22	313.19	ø 10 2br. 130.0'
Trave di fondazione 27 35 Sez. 1 Rett. 800.0x800.0 [mm] FONDAZIONE								
0.239	2.551	2.312	1.00	24.50	202.33	1881.22	313.19	ø 10 2br. 130.0'
Trave di fondazione 35 44 Sez. 1 Rett. 800.0x800.0 [mm] FONDAZIONE								
0.246	7.584	7.338	1.00	44.17	202.33	1881.22	313.19	ø 10 2br. 130.0'
Trave di fondazione 44 53 Sez. 1 Rett. 800.0x800.0 [mm] FONDAZIONE								
0.234	1.247	1.013	1.00	18.40	199.98	1881.22	313.19	ø 10 2br. 130.0'

Travata: *Travata 169 Nodi 12 20 28 36 45 54*

Nodo	x [m]	A_{fe} [mm²]	A_{fi} [mm²]	q_T [kN/m]	M_{rif} [kNm]	M_{de} [kNm]	M_{re} [kNm]	x/d	M_{di} [kNm]	M_{ri} [kNm]	x/d	σ_{be} [MPa]	σ_{bi} [MPa]	σ_{fe} [MPa]	σ_{fi} [MPa]	w mm
Trave di fondazione Sez. 1 Rett. 800.0x800.0 [mm] FONDAZIONE																
12	0.050	1517	1571			0.04	417.81	0.09	-0.63	-431.86	0.09					
				SLE Rare		0.00			-0.00			0.0	0.0	0.0	0.0	
				SLE Freq.		0.00			-0.00			0.0	0.0	0.0	0.0	OK
				SLE Q.P.		0.00			-0.00			0.0	0.0	0.0	0.0	OK
Camp.	0.633	1571	1571			0.00	431.86	0.09	-5.54	-431.86	0.09					
				SLE Rare		0.00			-1.67			0.0	0.0	0.3	1.6	
				SLE Freq.		0.00			-0.96			0.0	0.0	0.2	0.9	OK
				SLE Q.P.		0.00			-0.79			0.0	0.0	0.1	0.7	OK
20	1.215	1571	1571			0.00	431.86	0.09	-9.77	-431.86	0.09					
				SLE Rare		0.00			-6.64			0.1	0.0	1.1	6.3	
				SLE Freq.		0.00			-3.81			0.1	0.0	0.6	3.6	OK
				SLE Q.P.		0.00			-3.13			0.1	0.0	0.5	3.0	OK
Trave di fondazione Sez. 1 Rett. 800.0x800.0 [mm] FONDAZIONE																
20	0.125	1571	1571			42.64	431.86	0.09	-47.17	-431.86	0.09					
				SLE Rare		0.00			-9.92			0.2	0.0	1.6	9.4	
				SLE Freq.		0.00			-4.06			0.1	0.0	0.7	3.8	OK
				SLE Q.P.		0.00			-3.00			0.1	0.0	0.5	2.8	OK
Camp.	3.915	1571	1571			45.72	431.86	0.09	-2.43	-431.86	0.09					
				SLE Rare		29.77			0.00			0.0	0.6	28.2	4.8	
				SLE Freq.		16.70			0.00			0.0	0.3	15.8	2.7	OK
				SLE Q.P.		13.56			0.00			0.0	0.3	12.8	2.2	OK
28	7.705	2789	3142			19.96	747.41	0.11	-76.65	-838.37	0.12					
				SLE Rare		0.00			-52.10			0.7	0.0	7.0	25.2	
				SLE Freq.		0.00			-25.41			0.3	0.0	3.4	12.3	OK
				SLE Q.P.		0.00			-18.96			0.3	0.0	2.6	9.2	OK
Trave di fondazione Sez. 1 Rett. 800.0x800.0 [mm] FONDAZIONE																
28	0.125	2787	3142			6.27	746.84	0.11	-74.23	-838.37	0.12					
				SLE Rare		0.00			-50.46			0.7	0.0	6.8	24.4	

					SLE Freq.	0.00			-24.49			0.3	0.0	3.3	11.8	OK
					SLE Q.P.	0.00			-18.09			0.2	0.0	2.4	8.7	OK
Camp.	1.395	1571	1571			0.00	431.86	0.09	-56.60	-431.86	0.09					
					SLE Rare	0.00			-36.99			0.7	0.0	6.0	35.0	
					SLE Freq.	0.00			-17.74			0.3	0.0	2.9	16.8	OK
					SLE Q.P.	0.00			-12.97			0.2	0.0	2.1	12.3	OK
36	2.665	2787	3142			8.46	746.84	0.11	-63.17	-838.37	0.12					
					SLE Rare	0.00			-42.92			0.6	0.0	5.8	20.7	
					SLE Freq.	0.00			-20.85			0.3	0.0	2.8	10.1	OK
					SLE Q.P.	0.00			-15.43			0.2	0.0	2.1	7.5	OK
Trave di fondazione Sez. 1 Rett. 800.0x800.0 [mm] FONDAZIONE																
36	0.125	2789	3142			23.83	747.41	0.11	-65.29	-838.37	0.12					
					SLE Rare	0.00			-44.37			0.6	0.0	6.0	21.4	
					SLE Freq.	0.00			-21.67			0.3	0.0	2.9	10.5	OK
					SLE Q.P.	0.00			-16.22			0.2	0.0	2.2	7.8	OK
Camp.	3.915	1571	1571			56.95	431.86	0.09	0.00	-431.86	0.09					
					SLE Rare	37.60			0.00			0.0	0.7	35.6	6.1	
					SLE Freq.	20.42			0.00			0.0	0.4	19.3	3.3	OK
					SLE Q.P.	16.26			0.00			0.0	0.3	15.4	2.6	OK
45	7.705	1571	1571			42.79	431.86	0.09	-47.36	-431.86	0.09					
					SLE Rare	0.00			-10.39			0.2	0.0	1.7	9.8	
					SLE Freq.	-0.00			-4.37			0.1	0.0	0.7	4.1	OK
					SLE Q.P.	0.00			-3.31			0.1	0.0	0.5	3.1	OK
Trave di fondazione Sez. 1 Rett. 800.0x800.0 [mm] FONDAZIONE																
45	0.125	1571	1571			0.00	431.86	0.09	-12.46	-431.86	0.09					
					SLE Rare	0.00			-8.47			0.2	0.0	1.4	8.0	
					SLE Freq.	0.00			-4.68			0.1	0.0	0.8	4.4	OK
					SLE Q.P.	0.00			-3.76			0.1	0.0	0.6	3.6	OK
Camp.	0.708	1571	1571			0.00	431.86	0.09	-7.09	-431.86	0.09					
					SLE Rare	0.00			-2.14			0.0	0.0	0.3	2.0	
					SLE Freq.	0.00			-1.19			0.0	0.0	0.2	1.1	OK
					SLE Q.P.	0.00			-0.95			0.0	0.0	0.2	0.9	OK
54	1.290	1517	1571			0.04	417.81	0.09	-0.81	-431.86	0.09					
					SLE Rare	0.00			-0.00			0.0	0.0	0.0	0.0	
					SLE Freq.	0.00			0.00			0.0	0.0	0.0	0.0	OK
					SLE Q.P.	0.00			0.00			0.0	0.0	0.0	0.0	OK

Da [m]	**A [m]**	**Dx [m]**	**cotg(θ)**	**V_{Ed} [kN]**	**$V_{Rd,c}$ [kN]**	**V_{Rcd} [kN]**	**V_{Rd} [kN]**	**Staffe**
Trave di fondazione 12 20 Sez. 1 Rett. 800.0x800.0 [mm] FONDAZIONE								
0.093	1.106	1.013	1.00	14.50	199.98	1881.22	313.19	ø 10 2br. 130.0'
Trave di fondazione 20 28 Sez. 1 Rett. 800.0x800.0 [mm] FONDAZIONE								
0.246	7.584	7.338	1.00	56.17	202.33	1881.22	313.19	ø 10 2br. 130.0'
Trave di fondazione 28 36 Sez. 1 Rett. 800.0x800.0 [mm] FONDAZIONE								

0.239	2.551	2.312	1.00	24.49	202.33	1881.22	313.19	ø 10 2br. 130.0'
Trave di fondazione 36 45 Sez. 1 Rett. 800.0x800.0 [mm] FONDAZIONE								
0.246	7.584	7.338	1.00	56.49	202.33	1881.22	313.19	ø 10 2br. 130.0'
Trave di fondazione 45 54 Sez. 1 Rett. 800.0x800.0 [mm] FONDAZIONE								
0.234	1.247	1.013	1.00	18.36	199.98	1881.22	313.19	ø 10 2br. 130.0'

Verifiche geotecniche

Verifiche combinazioni di carico statiche
Verifica in condizioni **non drenate**

Dati terreno

Terreno	LITOTIPO A
Angolo d'attrito φ	25.0 [deg]
Coesione c	0.0 [MPa]
Coesione non drenata c_u	0.1 [MPa]
Carico addizionale di superficie q	0.00 [kN/m^2]
Profondità D	1.000 [m]
Peso proprio terreno γ	18.50 [kN/m^3]

Fattori parziale di sicurezza del terreno verifiche a scorrimento

$\gamma_{R,Scor}$	1.000
$k_1$fattore riduzione di φ	1.000
$k_2$fattore riduzione di c	1.000
$k_3$fattore riduzione di c_u	1.000

Fattori parziale di sicurezza del terreno

$\gamma_{tg\varphi}$	1.000
γ_c	1.000
γ_{cu}	1.000

Fattori parziale di sicurezza

Verifica di capacità portante	2.300
Verifica a scorrimento	1.100

Verifiche

	Legenda
B_{eq}	Base del plinto equivalente
H_{eq}	Altezza del plinto equivalente
$H_{Trasporto}$	Quota azioni esterne rispetto alla sezione di verifica
Comb.	Combinazione di carico
N	Azione verticale
M_x	Momento flettente M_x
M_y	Momento flettente M_y
Q_{Ed}	Carico verticale di progetto
$Q_{Rd,T}$	Capacità portante Terzaghi
F_x	Azione di scorrimento F_x
F_y	Azione di scorrimento F_y
$H_{Ed,d=\sqrt{Fx,Fy}}$	Azione di scorrimento totale $H_{Ed}= \sqrt{(F_x^2+F_y^2)}$
H_{Rd}	Resistenza allo scorrimento

Elemento	B_{Eq} [m]	H_{Eq} [m]	$H_{Trasporto}$ [m]	Comb.	N [kN]	M_x [kNm]	M_y [kNm]	Q_{Ed} [kN]	$Q_{Rd,T}$ [kN]	F_x [kN]	F_y [kN]	H_{Ed} [kN]	H_{Rd} [kN]
45,54	0.800	1.340	0.800	1	74.04	0.14	0.00	74.04	173.06	0.00	0.00	0.00	48.59
				2	74.11	0.15	0.00	74.11	173.06	0.00	0.00	0.00	48.58
				3	73.67	0.14	0.00	73.67	173.06	0.00	0.00	0.00	48.59
				4	73.67	0.13	0.00	73.67	173.06	0.00	0.00	0.00	48.60
				5	69.00	0.11	0.00	69.00	173.06	0.00	0.00	0.00	48.61
				6	69.11	0.13	0.00	69.11	173.06	0.00	0.00	0.00	48.59
				7	68.38	0.11	0.00	68.38	173.06	0.00	0.00	0.00	48.61
				8	68.38	0.08	0.00	68.38	173.06	0.00	0.00	0.00	48.64
				25	55.32	0.10	0.00	55.32	173.06	0.00	0.00	0.00	48.60
				26	55.36	0.10	0.00	55.36	173.06	0.00	0.00	0.00	48.59
				27	55.07	0.10	0.00	55.07	173.06	0.00	0.00	0.00	48.60
				28	55.07	0.09	0.00	55.07	173.06	0.00	0.00	0.00	48.61
				29	51.96	0.08	0.00	51.96	173.06	0.00	0.00	0.00	48.62
				30	52.04	0.09	0.00	52.04	173.06	0.00	0.00	0.00	48.61
				31	51.55	0.07	0.00	51.55	173.06	0.00	0.00	0.00	48.62
				32	51.55	0.06	0.00	51.55	173.06	0.00	0.00	0.00	48.65

				33	49.77	0.06	0.00	49.77	173.06	0.00	0.00	0.00	48.64
				34	48.44	0.05	0.00	48.44	173.06	0.00	0.00	0.00	48.65
				35	48.45	0.06	0.00	48.45	173.06	0.00	0.00	0.00	48.64
				36	48.35	0.05	0.00	48.35	173.06	0.00	0.00	0.00	48.65
				37	48.35	0.05	0.00	48.35	173.06	0.00	0.00	0.00	48.65
				38	48.41	0.05	0.00	48.41	173.06	0.00	0.00	0.00	48.65
36,45	0.800	7.830	0.800	1	422.75	-6.63	0.00	422.75	1011.24	0.00	0.00	0.00	283.59
				2	422.38	-6.23	0.00	422.38	1011.24	0.00	0.00	0.00	283.65
				3	420.72	-6.46	0.00	420.72	1011.24	0.00	0.00	0.00	283.61
				4	421.98	-7.01	0.00	421.98	1011.24	0.00	0.00	0.00	283.52
				5	394.59	-3.10	0.00	394.59	1011.24	0.00	0.00	0.00	284.16
				6	393.98	-2.44	0.00	393.98	1011.24	0.00	0.00	0.00	284.28
				7	391.22	-2.83	0.00	391.22	1011.24	0.00	0.00	0.00	284.20
				8	393.31	-3.73	0.00	393.31	1011.24	0.00	0.00	0.00	284.04
				25	316.53	-4.50	0.00	316.53	1011.24	0.00	0.00	0.00	283.69
				26	316.28	-4.24	0.00	316.28	1011.24	0.00	0.00	0.00	283.75
				27	315.18	-4.39	0.00	315.18	1011.24	0.00	0.00	0.00	283.71
				28	316.02	-4.75	0.00	316.02	1011.24	0.00	0.00	0.00	283.63
				29	297.76	-2.15	0.00	297.76	1011.24	0.00	0.00	0.00	284.20
				30	297.35	-1.71	0.00	297.35	1011.24	0.00	0.00	0.00	284.31
				31	295.51	-1.97	0.00	295.51	1011.24	0.00	0.00	0.00	284.24
				32	296.91	-2.57	0.00	296.91	1011.24	0.00	0.00	0.00	284.10
				33	285.63	-0.73	0.00	285.63	1011.24	0.00	0.00	0.00	284.54
				34	278.15	0.21	0.00	278.15	1011.24	0.00	0.00	0.00	284.67
				35	278.06	0.30	0.00	278.06	1011.24	0.00	0.00	0.00	284.65
				36	277.70	0.24	0.00	277.70	1011.24	0.00	0.00	0.00	284.66
				37	277.98	0.12	0.00	277.98	1011.24	0.00	0.00	0.00	284.70
				38	278.01	0.21	0.00	278.01	1011.24	0.00	0.00	0.00	284.67
28,36	0.800	2.790	0.800	1	156.13	-0.01	0.00	156.13	360.33	0.00	0.00	0.00	101.45
				2	155.88	0.00	0.00	155.88	360.33	0.00	0.00	0.00	101.45
				3	155.30	-0.01	0.00	155.30	360.33	0.00	0.00	0.00	101.45
				4	155.88	-0.02	0.00	155.88	360.33	0.00	0.00	0.00	101.45
				5	144.11	-0.00	0.00	144.11	360.33	0.00	0.00	0.00	101.45
				6	143.69	0.01	0.00	143.69	360.33	0.00	0.00	0.00	101.45
				7	142.73	-0.01	0.00	142.73	360.33	0.00	0.00	0.00	101.45
				8	143.69	-0.02	0.00	143.69	360.33	0.00	0.00	0.00	101.44
				25	116.52	-0.00	0.00	116.52	360.33	0.00	0.00	0.00	101.45
				26	116.35	0.00	0.00	116.35	360.33	0.00	0.00	0.00	101.45
				27	115.97	-0.00	0.00	115.97	360.33	0.00	0.00	0.00	101.45
				28	116.35	-0.01	0.00	116.35	360.33	0.00	0.00	0.00	101.45
				29	108.50	-0.00	0.00	108.50	360.33	0.00	0.00	0.00	101.45
				30	108.23	0.01	0.00	108.23	360.33	0.00	0.00	0.00	101.45
				31	107.58	-0.00	0.00	107.58	360.33	0.00	0.00	0.00	101.45
				32	108.23	-0.01	0.00	108.23	360.33	0.00	0.00	0.00	101.45
				33	103.35	-0.00	0.00	103.35	360.33	0.00	0.00	0.00	101.45
				34	100.16	-0.00	0.00	100.16	360.33	0.00	0.00	0.00	101.45
				35	100.10	-0.00	0.00	100.10	360.33	0.00	0.00	0.00	101.45
				36	99.98	-0.00	0.00	99.98	360.33	0.00	0.00	0.00	101.45
				37	100.10	-0.00	0.00	100.10	360.33	0.00	0.00	0.00	101.45
				38	100.10	-0.00	0.00	100.10	360.33	0.00	0.00	0.00	101.45
20,28	0.800	7.830	0.800	1	415.59	19.84	0.00	415.59	1011.24	0.00	0.00	0.00	281.26
				2	414.83	20.21	0.00	414.83	1011.24	0.00	0.00	0.00	281.18
				3	413.58	19.68	0.00	413.58	1011.24	0.00	0.00	0.00	281.27
				4	415.23	19.45	0.00	415.23	1011.24	0.00	0.00	0.00	281.32
				5	389.82	11.91	0.00	389.82	1011.24	0.00	0.00	0.00	282.50
				6	388.56	12.53	0.00	388.56	1011.24	0.00	0.00	0.00	282.38
				7	386.46	11.64	0.00	386.46	1011.24	0.00	0.00	0.00	282.54
				8	389.21	11.26	0.00	389.21	1011.24	0.00	0.00	0.00	282.62
				25	311.66	13.49	0.00	311.66	1011.24	0.00	0.00	0.00	281.58
				26	311.16	13.74	0.00	311.16	1011.24	0.00	0.00	0.00	281.52
				27	310.32	13.38	0.00	310.32	1011.24	0.00	0.00	0.00	281.59
				28	311.42	13.23	0.00	311.42	1011.24	0.00	0.00	0.00	281.64
				29	294.48	8.20	0.00	294.48	1011.24	0.00	0.00	0.00	282.70
				30	293.64	8.61	0.00	293.64	1011.24	0.00	0.00	0.00	282.59

				31	292.24	8.02	0.00	292.24	1011.24	0.00	0.00	0.00	282.73
				32	294.08	7.77	0.00	294.08	1011.24	0.00	0.00	0.00	282.81
				33	283.31	5.02	0.00	283.31	1011.24	0.00	0.00	0.00	283.44
				34	276.46	2.91	0.00	276.46	1011.24	0.00	0.00	0.00	283.96
				35	276.30	2.99	0.00	276.30	1011.24	0.00	0.00	0.00	283.94
				36	276.02	2.87	0.00	276.02	1011.24	0.00	0.00	0.00	283.97
				37	276.38	2.82	0.00	276.38	1011.24	0.00	0.00	0.00	283.98
				38	276.32	2.91	0.00	276.32	1011.24	0.00	0.00	0.00	283.96
12,20	0.800	1.340	0.800	1	70.18	-0.04	0.00	70.18	173.06	0.00	0.00	0.00	48.69
				2	69.81	-0.02	0.00	69.81	173.06	0.00	0.00	0.00	48.70
				3	69.81	-0.04	0.00	69.81	173.06	0.00	0.00	0.00	48.69
				4	70.25	-0.05	0.00	70.25	173.06	0.00	0.00	0.00	48.68
				5	66.43	-0.04	0.00	66.43	173.06	0.00	0.00	0.00	48.68
				6	65.82	-0.01	0.00	65.82	173.06	0.00	0.00	0.00	48.71
				7	65.82	-0.04	0.00	65.82	173.06	0.00	0.00	0.00	48.69
				8	66.54	-0.06	0.00	66.54	173.06	0.00	0.00	0.00	48.67
				25	52.69	-0.03	0.00	52.69	173.06	0.00	0.00	0.00	48.69
				26	52.45	-0.01	0.00	52.45	173.06	0.00	0.00	0.00	48.71
				27	52.45	-0.03	0.00	52.45	173.06	0.00	0.00	0.00	48.69
				28	52.74	-0.03	0.00	52.74	173.06	0.00	0.00	0.00	48.68
				29	50.19	-0.03	0.00	50.19	173.06	0.00	0.00	0.00	48.69
				30	49.79	-0.01	0.00	49.79	173.06	0.00	0.00	0.00	48.71
				31	49.79	-0.03	0.00	49.79	173.06	0.00	0.00	0.00	48.69
				32	50.27	-0.04	0.00	50.27	173.06	0.00	0.00	0.00	48.67
				33	48.53	-0.03	0.00	48.53	173.06	0.00	0.00	0.00	48.69
				34	47.53	-0.03	0.00	47.53	173.06	0.00	0.00	0.00	48.68
				35	47.45	-0.02	0.00	47.45	173.06	0.00	0.00	0.00	48.69
				36	47.45	-0.03	0.00	47.45	173.06	0.00	0.00	0.00	48.68
				37	47.55	-0.03	0.00	47.55	173.06	0.00	0.00	0.00	48.68
				38	47.50	-0.03	0.00	47.50	173.06	0.00	0.00	0.00	48.68
44,53	0.800	1.340	0.800	1	73.89	0.19	0.00	73.89	173.06	0.00	0.00	0.00	48.54
				2	74.15	0.21	0.00	74.15	173.06	0.00	0.00	0.00	48.53
				3	74.00	0.19	0.00	74.00	173.06	0.00	0.00	0.00	48.54
				4	73.63	0.17	0.00	73.63	173.06	0.00	0.00	0.00	48.56
				5	68.38	0.14	0.00	68.38	173.06	0.00	0.00	0.00	48.57
				6	68.81	0.17	0.00	68.81	173.06	0.00	0.00	0.00	48.55
				7	68.56	0.14	0.00	68.56	173.06	0.00	0.00	0.00	48.58
				8	67.95	0.10	0.00	67.95	173.06	0.00	0.00	0.00	48.62
				25	55.17	0.13	0.00	55.17	173.06	0.00	0.00	0.00	48.56
				26	55.34	0.14	0.00	55.34	173.06	0.00	0.00	0.00	48.54
				27	55.24	0.13	0.00	55.24	173.06	0.00	0.00	0.00	48.56
				28	55.00	0.11	0.00	55.00	173.06	0.00	0.00	0.00	48.58
				29	51.50	0.10	0.00	51.50	173.06	0.00	0.00	0.00	48.59
				30	51.79	0.11	0.00	51.79	173.06	0.00	0.00	0.00	48.57
				31	51.62	0.10	0.00	51.62	173.06	0.00	0.00	0.00	48.59
				32	51.21	0.07	0.00	51.21	173.06	0.00	0.00	0.00	48.63
				33	49.33	0.08	0.00	49.33	173.06	0.00	0.00	0.00	48.61
				34	47.86	0.07	0.00	47.86	173.06	0.00	0.00	0.00	48.63
				35	47.92	0.07	0.00	47.92	173.06	0.00	0.00	0.00	48.62
				36	47.88	0.06	0.00	47.88	173.06	0.00	0.00	0.00	48.63
				37	47.80	0.06	0.00	47.80	173.06	0.00	0.00	0.00	48.64
				38	47.87	0.07	0.00	47.87	173.06	0.00	0.00	0.00	48.63
35,44	0.800	7.830	0.800	1	410.64	6.74	0.00	410.64	1011.24	0.00	0.00	0.00	283.53
				2	411.18	6.90	0.00	411.18	1011.24	0.00	0.00	0.00	283.51
				3	411.50	6.39	0.00	411.50	1011.24	0.00	0.00	0.00	283.60
				4	410.70	6.70	0.00	410.70	1011.24	0.00	0.00	0.00	283.54
				5	383.00	6.83	0.00	383.00	1011.24	0.00	0.00	0.00	283.43
				6	383.91	7.11	0.00	383.91	1011.24	0.00	0.00	0.00	283.38
				7	384.44	6.25	0.00	384.44	1011.24	0.00	0.00	0.00	283.54
				8	383.11	6.77	0.00	383.11	1011.24	0.00	0.00	0.00	283.44
				25	308.11	4.52	0.00	308.11	1011.24	0.00	0.00	0.00	283.66
				26	308.47	4.63	0.00	308.47	1011.24	0.00	0.00	0.00	283.64
				27	308.69	4.29	0.00	308.69	1011.24	0.00	0.00	0.00	283.72
				28	308.15	4.49	0.00	308.15	1011.24	0.00	0.00	0.00	283.67

				29	289.69	4.58	0.00	289.69	1011.24	0.00	0.00	0.00	283.58
				30	290.29	4.77	0.00	290.29	1011.24	0.00	0.00	0.00	283.53
				31	290.64	4.20	0.00	290.64	1011.24	0.00	0.00	0.00	283.68
				32	289.75	4.54	0.00	289.75	1011.24	0.00	0.00	0.00	283.59
				33	278.90	4.53	0.00	278.90	1011.24	0.00	0.00	0.00	283.55
				34	271.52	4.56	0.00	271.52	1011.24	0.00	0.00	0.00	283.51
				35	271.64	4.59	0.00	271.64	1011.24	0.00	0.00	0.00	283.50
				36	271.71	4.48	0.00	271.71	1011.24	0.00	0.00	0.00	283.53
				37	271.54	4.55	0.00	271.54	1011.24	0.00	0.00	0.00	283.51
				38	271.57	4.54	0.00	271.57	1011.24	0.00	0.00	0.00	283.51
27,35	0.800	2.790	0.800	1	148.91	-0.05	0.00	148.91	360.33	0.00	0.00	0.00	101.43
				2	148.97	-0.00	0.00	148.97	360.33	0.00	0.00	0.00	101.45
				3	149.33	-0.05	0.00	149.33	360.33	0.00	0.00	0.00	101.43
				4	148.97	-0.09	0.00	148.97	360.33	0.00	0.00	0.00	101.41
				5	137.67	-0.03	0.00	137.67	360.33	0.00	0.00	0.00	101.44
				6	137.76	0.04	0.00	137.76	360.33	0.00	0.00	0.00	101.43
				7	138.36	-0.03	0.00	138.36	360.33	0.00	0.00	0.00	101.44
				8	137.77	-0.11	0.00	137.77	360.33	0.00	0.00	0.00	101.40
				25	111.55	-0.03	0.00	111.55	360.33	0.00	0.00	0.00	101.43
				26	111.59	-0.00	0.00	111.59	360.33	0.00	0.00	0.00	101.45
				27	111.83	-0.03	0.00	111.83	360.33	0.00	0.00	0.00	101.43
				28	111.59	-0.06	0.00	111.59	360.33	0.00	0.00	0.00	101.41
				29	104.06	-0.02	0.00	104.06	360.33	0.00	0.00	0.00	101.44
				30	104.12	0.03	0.00	104.12	360.33	0.00	0.00	0.00	101.44
				31	104.52	-0.02	0.00	104.52	360.33	0.00	0.00	0.00	101.44
				32	104.12	-0.07	0.00	104.12	360.33	0.00	0.00	0.00	101.40
				33	99.69	-0.02	0.00	99.69	360.33	0.00	0.00	0.00	101.44
				34	96.68	-0.01	0.00	96.68	360.33	0.00	0.00	0.00	101.45
				35	96.70	-0.00	0.00	96.70	360.33	0.00	0.00	0.00	101.45
				36	96.77	-0.01	0.00	96.77	360.33	0.00	0.00	0.00	101.45
				37	96.70	-0.02	0.00	96.70	360.33	0.00	0.00	0.00	101.44
				38	96.70	-0.01	0.00	96.70	360.33	0.00	0.00	0.00	101.45
19,27	0.800	7.830	0.800	1	400.84	12.14	0.00	400.84	1011.24	0.00	0.00	0.00	282.52
				2	400.90	12.18	0.00	400.90	1011.24	0.00	0.00	0.00	282.52
				3	401.70	12.48	0.00	401.70	1011.24	0.00	0.00	0.00	282.47
				4	401.38	11.97	0.00	401.38	1011.24	0.00	0.00	0.00	282.56
				5	376.56	5.61	0.00	376.56	1011.24	0.00	0.00	0.00	283.64
				6	376.65	5.67	0.00	376.65	1011.24	0.00	0.00	0.00	283.63
				7	378.00	6.18	0.00	378.00	1011.24	0.00	0.00	0.00	283.54
				8	377.47	5.33	0.00	377.47	1011.24	0.00	0.00	0.00	283.70
				25	301.47	8.28	0.00	301.47	1011.24	0.00	0.00	0.00	282.73
				26	301.51	8.30	0.00	301.51	1011.24	0.00	0.00	0.00	282.72
				27	302.04	8.51	0.00	302.04	1011.24	0.00	0.00	0.00	282.68
				28	301.83	8.17	0.00	301.83	1011.24	0.00	0.00	0.00	282.76
				29	285.28	3.92	0.00	285.28	1011.24	0.00	0.00	0.00	283.73
				30	285.35	3.97	0.00	285.35	1011.24	0.00	0.00	0.00	283.72
				31	286.24	4.31	0.00	286.24	1011.24	0.00	0.00	0.00	283.63
				32	285.89	3.74	0.00	285.89	1011.24	0.00	0.00	0.00	283.78
				33	275.84	1.41	0.00	275.84	1011.24	0.00	0.00	0.00	284.36
				34	269.35	-0.34	0.00	269.35	1011.24	0.00	0.00	0.00	284.64
				35	269.37	-0.33	0.00	269.37	1011.24	0.00	0.00	0.00	284.64
				36	269.54	-0.26	0.00	269.54	1011.24	0.00	0.00	0.00	284.66
				37	269.47	-0.37	0.00	269.47	1011.24	0.00	0.00	0.00	284.63
				38	269.40	-0.32	0.00	269.40	1011.24	0.00	0.00	0.00	284.64
11,19	0.800	1.340	0.800	1	68.60	-0.06	0.00	68.60	173.06	0.00	0.00	0.00	48.67
				2	68.34	-0.03	0.00	68.34	173.06	0.00	0.00	0.00	48.69
				3	68.70	-0.06	0.00	68.70	173.06	0.00	0.00	0.00	48.67
				4	68.85	-0.07	0.00	68.85	173.06	0.00	0.00	0.00	48.65
				5	64.89	-0.05	0.00	64.89	173.06	0.00	0.00	0.00	48.67
				6	64.47	-0.01	0.00	64.47	173.06	0.00	0.00	0.00	48.71
				7	65.07	-0.05	0.00	65.07	173.06	0.00	0.00	0.00	48.67
				8	65.32	-0.08	0.00	65.32	173.06	0.00	0.00	0.00	48.64
				25	51.58	-0.04	0.00	51.58	173.06	0.00	0.00	0.00	48.67
				26	51.41	-0.02	0.00	51.41	173.06	0.00	0.00	0.00	48.70

				27	51.65	-0.04	0.00	51.65	173.06	0.00	0.00	0.00	48.67
				28	51.75	-0.05	0.00	51.75	173.06	0.00	0.00	0.00	48.66
				29	49.11	-0.04	0.00	49.11	173.06	0.00	0.00	0.00	48.67
				30	48.83	-0.01	0.00	48.83	173.06	0.00	0.00	0.00	48.71
				31	49.23	-0.04	0.00	49.23	173.06	0.00	0.00	0.00	48.67
				32	49.40	-0.05	0.00	49.40	173.06	0.00	0.00	0.00	48.65
				33	47.67	-0.04	0.00	47.67	173.06	0.00	0.00	0.00	48.67
				34	46.68	-0.03	0.00	46.68	173.06	0.00	0.00	0.00	48.67
				35	46.62	-0.03	0.00	46.62	173.06	0.00	0.00	0.00	48.68
				36	46.70	-0.03	0.00	46.70	173.06	0.00	0.00	0.00	48.67
				37	46.74	-0.04	0.00	46.74	173.06	0.00	0.00	0.00	48.67
				38	46.68	-0.03	0.00	46.68	173.06	0.00	0.00	0.00	48.67
43,52	0.800	1.340	0.800	1	74.23	0.21	0.00	74.23	173.06	0.00	0.00	0.00	48.52
				2	74.50	0.23	0.00	74.50	173.06	0.00	0.00	0.00	48.50
				3	74.27	0.21	0.00	74.27	173.06	0.00	0.00	0.00	48.52
				4	73.93	0.19	0.00	73.93	173.06	0.00	0.00	0.00	48.54
				5	68.60	0.16	0.00	68.60	173.06	0.00	0.00	0.00	48.56
				6	69.05	0.18	0.00	69.05	173.06	0.00	0.00	0.00	48.53
				7	68.65	0.16	0.00	68.65	173.06	0.00	0.00	0.00	48.56
				8	68.10	0.11	0.00	68.10	173.06	0.00	0.00	0.00	48.61
				25	55.39	0.14	0.00	55.39	173.06	0.00	0.00	0.00	48.54
				26	55.57	0.15	0.00	55.57	173.06	0.00	0.00	0.00	48.53
				27	55.41	0.14	0.00	55.41	173.06	0.00	0.00	0.00	48.54
				28	55.19	0.13	0.00	55.19	173.06	0.00	0.00	0.00	48.56
				29	51.64	0.11	0.00	51.64	173.06	0.00	0.00	0.00	48.58
				30	51.94	0.12	0.00	51.94	173.06	0.00	0.00	0.00	48.55
				31	51.67	0.11	0.00	51.67	173.06	0.00	0.00	0.00	48.58
				32	51.30	0.08	0.00	51.30	173.06	0.00	0.00	0.00	48.62
				33	49.40	0.09	0.00	49.40	173.06	0.00	0.00	0.00	48.60
				34	47.89	0.07	0.00	47.89	173.06	0.00	0.00	0.00	48.62
				35	47.95	0.07	0.00	47.95	173.06	0.00	0.00	0.00	48.61
				36	47.90	0.07	0.00	47.90	173.06	0.00	0.00	0.00	48.62
				37	47.83	0.06	0.00	47.83	173.06	0.00	0.00	0.00	48.63
				38	47.90	0.07	0.00	47.90	173.06	0.00	0.00	0.00	48.62
34,43	0.800	7.830	0.800	1	409.13	10.33	0.00	409.13	1011.24	0.00	0.00	0.00	282.89
				2	409.60	10.59	0.00	409.60	1011.24	0.00	0.00	0.00	282.85
				3	409.33	10.29	0.00	409.33	1011.24	0.00	0.00	0.00	282.90
				4	409.01	10.35	0.00	409.01	1011.24	0.00	0.00	0.00	282.89
				5	381.82	9.40	0.00	381.82	1011.24	0.00	0.00	0.00	282.94
				6	382.60	9.82	0.00	382.60	1011.24	0.00	0.00	0.00	282.86
				7	382.16	9.32	0.00	382.16	1011.24	0.00	0.00	0.00	282.95
				8	381.61	9.42	0.00	381.61	1011.24	0.00	0.00	0.00	282.93
				25	307.04	6.95	0.00	307.04	1011.24	0.00	0.00	0.00	283.08
				26	307.36	7.12	0.00	307.36	1011.24	0.00	0.00	0.00	283.04
				27	307.18	6.92	0.00	307.18	1011.24	0.00	0.00	0.00	283.09
				28	306.96	6.96	0.00	306.96	1011.24	0.00	0.00	0.00	283.08
				29	288.84	6.32	0.00	288.84	1011.24	0.00	0.00	0.00	283.14
				30	289.36	6.61	0.00	289.36	1011.24	0.00	0.00	0.00	283.07
				31	289.06	6.27	0.00	289.06	1011.24	0.00	0.00	0.00	283.15
				32	288.70	6.34	0.00	288.70	1011.24	0.00	0.00	0.00	283.13
				33	277.99	5.93	0.00	277.99	1011.24	0.00	0.00	0.00	283.18
				34	270.71	5.68	0.00	270.71	1011.24	0.00	0.00	0.00	283.20
				35	270.81	5.74	0.00	270.81	1011.24	0.00	0.00	0.00	283.19
				36	270.75	5.67	0.00	270.75	1011.24	0.00	0.00	0.00	283.20
				37	270.68	5.69	0.00	270.68	1011.24	0.00	0.00	0.00	283.20
				38	270.72	5.68	0.00	270.72	1011.24	0.00	0.00	0.00	283.20
26,34	0.800	2.790	0.800	1	147.53	-0.05	0.00	147.53	360.33	0.00	0.00	0.00	101.43
				2	147.52	0.00	0.00	147.52	360.33	0.00	0.00	0.00	101.45
				3	147.62	-0.05	0.00	147.62	360.33	0.00	0.00	0.00	101.43
				4	147.52	-0.10	0.00	147.52	360.33	0.00	0.00	0.00	101.41
				5	136.63	-0.03	0.00	136.63	360.33	0.00	0.00	0.00	101.44
				6	136.61	0.05	0.00	136.61	360.33	0.00	0.00	0.00	101.43
				7	136.78	-0.03	0.00	136.78	360.33	0.00	0.00	0.00	101.44
				8	136.61	-0.12	0.00	136.61	360.33	0.00	0.00	0.00	101.39

				25	110.60	-0.03	0.00	110.60	360.33	0.00	0.00	0.00	101.43
				26	110.59	0.00	0.00	110.59	360.33	0.00	0.00	0.00	101.45
				27	110.66	-0.03	0.00	110.66	360.33	0.00	0.00	0.00	101.43
				28	110.59	-0.07	0.00	110.59	360.33	0.00	0.00	0.00	101.41
				29	103.33	-0.02	0.00	103.33	360.33	0.00	0.00	0.00	101.44
				30	103.32	0.03	0.00	103.32	360.33	0.00	0.00	0.00	101.43
				31	103.43	-0.02	0.00	103.43	360.33	0.00	0.00	0.00	101.44
				32	103.32	-0.08	0.00	103.32	360.33	0.00	0.00	0.00	101.40
				33	99.01	-0.02	0.00	99.01	360.33	0.00	0.00	0.00	101.44
				34	96.10	-0.01	0.00	96.10	360.33	0.00	0.00	0.00	101.45
				35	96.10	-0.00	0.00	96.10	360.33	0.00	0.00	0.00	101.45
				36	96.12	-0.01	0.00	96.12	360.33	0.00	0.00	0.00	101.45
				37	96.10	-0.02	0.00	96.10	360.33	0.00	0.00	0.00	101.44
				38	96.11	-0.01	0.00	96.11	360.33	0.00	0.00	0.00	101.45
18,26	0.800	7.830	0.800	1	398.51	10.08	0.00	398.51	1011.24	0.00	0.00	0.00	282.89
				2	398.39	10.06	0.00	398.39	1011.24	0.00	0.00	0.00	282.89
				3	398.72	10.12	0.00	398.72	1011.24	0.00	0.00	0.00	282.88
				4	398.98	9.82	0.00	398.98	1011.24	0.00	0.00	0.00	282.94
				5	374.85	4.04	0.00	374.85	1011.24	0.00	0.00	0.00	283.94
				6	374.64	4.01	0.00	374.64	1011.24	0.00	0.00	0.00	283.95
				7	375.19	4.11	0.00	375.19	1011.24	0.00	0.00	0.00	283.93
				8	375.63	3.61	0.00	375.63	1011.24	0.00	0.00	0.00	284.03
				25	299.85	6.89	0.00	299.85	1011.24	0.00	0.00	0.00	283.06
				26	299.77	6.88	0.00	299.77	1011.24	0.00	0.00	0.00	283.06
				27	299.99	6.92	0.00	299.99	1011.24	0.00	0.00	0.00	283.05
				28	300.16	6.72	0.00	300.16	1011.24	0.00	0.00	0.00	283.10
				29	284.07	2.86	0.00	284.07	1011.24	0.00	0.00	0.00	283.99
				30	283.93	2.84	0.00	283.93	1011.24	0.00	0.00	0.00	284.00
				31	284.30	2.91	0.00	284.30	1011.24	0.00	0.00	0.00	283.98
				32	284.60	2.58	0.00	284.60	1011.24	0.00	0.00	0.00	284.07
				33	274.69	0.46	0.00	274.69	1011.24	0.00	0.00	0.00	284.61
				34	268.38	-1.15	0.00	268.38	1011.24	0.00	0.00	0.00	284.42
				35	268.35	-1.16	0.00	268.35	1011.24	0.00	0.00	0.00	284.41
				36	268.42	-1.14	0.00	268.42	1011.24	0.00	0.00	0.00	284.42
				37	268.48	-1.21	0.00	268.48	1011.24	0.00	0.00	0.00	284.40
				38	268.39	-1.15	0.00	268.39	1011.24	0.00	0.00	0.00	284.42
10,18	0.800	1.340	0.800	1	68.50	-0.07	0.00	68.50	173.06	0.00	0.00	0.00	48.66
				2	68.20	-0.04	0.00	68.20	173.06	0.00	0.00	0.00	48.69
				3	68.53	-0.07	0.00	68.53	173.06	0.00	0.00	0.00	48.66
				4	68.77	-0.08	0.00	68.77	173.06	0.00	0.00	0.00	48.64
				5	64.82	-0.06	0.00	64.82	173.06	0.00	0.00	0.00	48.66
				6	64.33	-0.02	0.00	64.33	173.06	0.00	0.00	0.00	48.71
				7	64.88	-0.06	0.00	64.88	173.06	0.00	0.00	0.00	48.66
				8	65.28	-0.09	0.00	65.28	173.06	0.00	0.00	0.00	48.63
				25	51.50	-0.04	0.00	51.50	173.06	0.00	0.00	0.00	48.67
				26	51.30	-0.03	0.00	51.30	173.06	0.00	0.00	0.00	48.69
				27	51.53	-0.04	0.00	51.53	173.06	0.00	0.00	0.00	48.67
				28	51.69	-0.05	0.00	51.69	173.06	0.00	0.00	0.00	48.65
				29	49.06	-0.04	0.00	49.06	173.06	0.00	0.00	0.00	48.67
				30	48.72	-0.01	0.00	48.72	173.06	0.00	0.00	0.00	48.71
				31	49.09	-0.04	0.00	49.09	173.06	0.00	0.00	0.00	48.67
				32	49.36	-0.06	0.00	49.36	173.06	0.00	0.00	0.00	48.64
				33	47.60	-0.04	0.00	47.60	173.06	0.00	0.00	0.00	48.67
				34	46.62	-0.04	0.00	46.62	173.06	0.00	0.00	0.00	48.67
				35	46.56	-0.03	0.00	46.56	173.06	0.00	0.00	0.00	48.68
				36	46.63	-0.04	0.00	46.63	173.06	0.00	0.00	0.00	48.67
				37	46.68	-0.04	0.00	46.68	173.06	0.00	0.00	0.00	48.66
				38	46.63	-0.04	0.00	46.63	173.06	0.00	0.00	0.00	48.67
42,51	0.800	1.340	0.800	1	74.34	0.21	0.00	74.34	173.06	0.00	0.00	0.00	48.52
				2	74.61	0.23	0.00	74.61	173.06	0.00	0.00	0.00	48.50
				3	74.34	0.21	0.00	74.34	173.06	0.00	0.00	0.00	48.52
				4	74.01	0.19	0.00	74.01	173.06	0.00	0.00	0.00	48.54
				5	68.70	0.16	0.00	68.70	173.06	0.00	0.00	0.00	48.56
				6	69.16	0.19	0.00	69.16	173.06	0.00	0.00	0.00	48.53

				7	68.70	0.16	0.00	68.70	173.06	0.00	0.00	0.00	48.56
				8	68.16	0.11	0.00	68.16	173.06	0.00	0.00	0.00	48.61
				25	55.47	0.14	0.00	55.47	173.06	0.00	0.00	0.00	48.54
				26	55.65	0.16	0.00	55.65	173.06	0.00	0.00	0.00	48.52
				27	55.46	0.14	0.00	55.46	173.06	0.00	0.00	0.00	48.54
				28	55.25	0.13	0.00	55.25	173.06	0.00	0.00	0.00	48.56
				29	51.71	0.11	0.00	51.71	173.06	0.00	0.00	0.00	48.58
				30	52.02	0.13	0.00	52.02	173.06	0.00	0.00	0.00	48.55
				31	51.71	0.11	0.00	51.71	173.06	0.00	0.00	0.00	48.58
				32	51.35	0.08	0.00	51.35	173.06	0.00	0.00	0.00	48.62
				33	49.46	0.09	0.00	49.46	173.06	0.00	0.00	0.00	48.60
				34	47.95	0.07	0.00	47.95	173.06	0.00	0.00	0.00	48.62
				35	48.02	0.07	0.00	48.02	173.06	0.00	0.00	0.00	48.61
				36	47.95	0.07	0.00	47.95	173.06	0.00	0.00	0.00	48.62
				37	47.88	0.06	0.00	47.88	173.06	0.00	0.00	0.00	48.63
				38	47.95	0.07	0.00	47.95	173.06	0.00	0.00	0.00	48.62
33,42	0.800	7.830	0.800	1	410.05	9.71	0.00	410.05	1011.24	0.00	0.00	0.00	283.00
				2	410.44	10.03	0.00	410.44	1011.24	0.00	0.00	0.00	282.95
				3	410.00	9.75	0.00	410.00	1011.24	0.00	0.00	0.00	283.00
				4	409.86	9.71	0.00	409.86	1011.24	0.00	0.00	0.00	283.00
				5	382.63	8.96	0.00	382.63	1011.24	0.00	0.00	0.00	283.02
				6	383.29	9.49	0.00	383.29	1011.24	0.00	0.00	0.00	282.93
				7	382.56	9.03	0.00	382.56	1011.24	0.00	0.00	0.00	283.01
				8	382.31	8.95	0.00	382.31	1011.24	0.00	0.00	0.00	283.03
				25	307.67	6.53	0.00	307.67	1011.24	0.00	0.00	0.00	283.18
				26	307.94	6.74	0.00	307.94	1011.24	0.00	0.00	0.00	283.14
				27	307.64	6.56	0.00	307.64	1011.24	0.00	0.00	0.00	283.18
				28	307.55	6.52	0.00	307.55	1011.24	0.00	0.00	0.00	283.18
				29	289.39	6.02	0.00	289.39	1011.24	0.00	0.00	0.00	283.21
				30	289.83	6.38	0.00	289.83	1011.24	0.00	0.00	0.00	283.13
				31	289.34	6.07	0.00	289.34	1011.24	0.00	0.00	0.00	283.20
				32	289.18	6.02	0.00	289.18	1011.24	0.00	0.00	0.00	283.21
				33	278.41	5.74	0.00	278.41	1011.24	0.00	0.00	0.00	283.23
				34	271.10	5.54	0.00	271.10	1011.24	0.00	0.00	0.00	283.24
				35	271.19	5.61	0.00	271.19	1011.24	0.00	0.00	0.00	283.22
				36	271.09	5.55	0.00	271.09	1011.24	0.00	0.00	0.00	283.24
				37	271.06	5.54	0.00	271.06	1011.24	0.00	0.00	0.00	283.24
				38	271.10	5.54	0.00	271.10	1011.24	0.00	0.00	0.00	283.24
25,33	0.800	2.790	0.800	1	148.07	-0.05	0.00	148.07	360.33	0.00	0.00	0.00	101.43
				2	148.03	-0.00	0.00	148.03	360.33	0.00	0.00	0.00	101.45
				3	148.04	-0.05	0.00	148.04	360.33	0.00	0.00	0.00	101.43
				4	148.03	-0.10	0.00	148.03	360.33	0.00	0.00	0.00	101.40
				5	137.07	-0.03	0.00	137.07	360.33	0.00	0.00	0.00	101.44
				6	137.00	0.05	0.00	137.00	360.33	0.00	0.00	0.00	101.43
				7	137.03	-0.03	0.00	137.03	360.33	0.00	0.00	0.00	101.44
				8	137.00	-0.12	0.00	137.00	360.33	0.00	0.00	0.00	101.39
				25	110.97	-0.04	0.00	110.97	360.33	0.00	0.00	0.00	101.43
				26	110.94	-0.00	0.00	110.94	360.33	0.00	0.00	0.00	101.45
				27	110.95	-0.04	0.00	110.95	360.33	0.00	0.00	0.00	101.43
				28	110.94	-0.07	0.00	110.94	360.33	0.00	0.00	0.00	101.41
				29	103.64	-0.02	0.00	103.64	360.33	0.00	0.00	0.00	101.44
				30	103.59	0.03	0.00	103.59	360.33	0.00	0.00	0.00	101.43
				31	103.61	-0.02	0.00	103.61	360.33	0.00	0.00	0.00	101.44
				32	103.59	-0.08	0.00	103.59	360.33	0.00	0.00	0.00	101.40
				33	99.23	-0.02	0.00	99.23	360.33	0.00	0.00	0.00	101.44
				34	96.29	-0.01	0.00	96.29	360.33	0.00	0.00	0.00	101.44
				35	96.29	-0.00	0.00	96.29	360.33	0.00	0.00	0.00	101.45
				36	96.29	-0.01	0.00	96.29	360.33	0.00	0.00	0.00	101.44
				37	96.29	-0.02	0.00	96.29	360.33	0.00	0.00	0.00	101.44
				38	96.29	-0.01	0.00	96.29	360.33	0.00	0.00	0.00	101.44
17,25	0.800	7.830	0.800	1	399.55	10.64	0.00	399.55	1011.24	0.00	0.00	0.00	282.79
				2	399.36	10.65	0.00	399.36	1011.24	0.00	0.00	0.00	282.79
				3	399.50	10.60	0.00	399.50	1011.24	0.00	0.00	0.00	282.80
				4	399.94	10.33	0.00	399.94	1011.24	0.00	0.00	0.00	282.85

				5	375.73	4.44	0.00	375.73	1011.24	0.00	0.00	0.00	283.87
				6	375.42	4.45	0.00	375.42	1011.24	0.00	0.00	0.00	283.86
				7	375.66	4.38	0.00	375.66	1011.24	0.00	0.00	0.00	283.88
				8	376.39	3.91	0.00	376.39	1011.24	0.00	0.00	0.00	283.97
				25	300.56	7.27	0.00	300.56	1011.24	0.00	0.00	0.00	282.97
				26	300.43	7.27	0.00	300.43	1011.24	0.00	0.00	0.00	282.97
				27	300.53	7.24	0.00	300.53	1011.24	0.00	0.00	0.00	282.97
				28	300.82	7.06	0.00	300.82	1011.24	0.00	0.00	0.00	283.02
				29	284.68	3.14	0.00	284.68	1011.24	0.00	0.00	0.00	283.93
				30	284.47	3.14	0.00	284.47	1011.24	0.00	0.00	0.00	283.92
				31	284.63	3.09	0.00	284.63	1011.24	0.00	0.00	0.00	283.94
				32	285.12	2.78	0.00	285.12	1011.24	0.00	0.00	0.00	284.02
				33	275.14	0.64	0.00	275.14	1011.24	0.00	0.00	0.00	284.56
				34	268.79	-1.02	0.00	268.79	1011.24	0.00	0.00	0.00	284.45
				35	268.75	-1.02	0.00	268.75	1011.24	0.00	0.00	0.00	284.45
				36	268.78	-1.03	0.00	268.78	1011.24	0.00	0.00	0.00	284.45
				37	268.88	-1.09	0.00	268.88	1011.24	0.00	0.00	0.00	284.43
				38	268.79	-1.02	0.00	268.79	1011.24	0.00	0.00	0.00	284.45
9,17	0.800	1.340	0.800	1	68.60	-0.06	0.00	68.60	173.06	0.00	0.00	0.00	48.66
				2	68.28	-0.04	0.00	68.28	173.06	0.00	0.00	0.00	48.69
				3	68.60	-0.06	0.00	68.60	173.06	0.00	0.00	0.00	48.66
				4	68.88	-0.08	0.00	68.88	173.06	0.00	0.00	0.00	48.64
				5	64.93	-0.06	0.00	64.93	173.06	0.00	0.00	0.00	48.66
				6	64.39	-0.01	0.00	64.39	173.06	0.00	0.00	0.00	48.71
				7	64.93	-0.06	0.00	64.93	173.06	0.00	0.00	0.00	48.66
				8	65.39	-0.09	0.00	65.39	173.06	0.00	0.00	0.00	48.63
				25	51.58	-0.04	0.00	51.58	173.06	0.00	0.00	0.00	48.67
				26	51.36	-0.02	0.00	51.36	173.06	0.00	0.00	0.00	48.69
				27	51.58	-0.04	0.00	51.58	173.06	0.00	0.00	0.00	48.67
				28	51.76	-0.05	0.00	51.76	173.06	0.00	0.00	0.00	48.65
				29	49.13	-0.04	0.00	49.13	173.06	0.00	0.00	0.00	48.67
				30	48.77	-0.01	0.00	48.77	173.06	0.00	0.00	0.00	48.71
				31	49.13	-0.04	0.00	49.13	173.06	0.00	0.00	0.00	48.67
				32	49.44	-0.06	0.00	49.44	173.06	0.00	0.00	0.00	48.64
				33	47.66	-0.04	0.00	47.66	173.06	0.00	0.00	0.00	48.67
				34	46.68	-0.04	0.00	46.68	173.06	0.00	0.00	0.00	48.67
				35	46.61	-0.03	0.00	46.61	173.06	0.00	0.00	0.00	48.68
				36	46.68	-0.04	0.00	46.68	173.06	0.00	0.00	0.00	48.67
				37	46.74	-0.04	0.00	46.74	173.06	0.00	0.00	0.00	48.66
				38	46.68	-0.04	0.00	46.68	173.06	0.00	0.00	0.00	48.67
41,50	0.800	1.340	0.800	1	74.88	0.20	0.00	74.88	173.06	0.00	0.00	0.00	48.53
				2	75.18	0.22	0.00	75.18	173.06	0.00	0.00	0.00	48.51
				3	74.86	0.20	0.00	74.86	173.06	0.00	0.00	0.00	48.53
				4	74.51	0.17	0.00	74.51	173.06	0.00	0.00	0.00	48.56
				5	69.07	0.15	0.00	69.07	173.06	0.00	0.00	0.00	48.57
				6	69.58	0.19	0.00	69.58	173.06	0.00	0.00	0.00	48.53
				7	69.04	0.15	0.00	69.04	173.06	0.00	0.00	0.00	48.57
				8	68.45	0.10	0.00	68.45	173.06	0.00	0.00	0.00	48.62
				25	55.83	0.14	0.00	55.83	173.06	0.00	0.00	0.00	48.55
				26	56.03	0.15	0.00	56.03	173.06	0.00	0.00	0.00	48.53
				27	55.82	0.14	0.00	55.82	173.06	0.00	0.00	0.00	48.55
				28	55.58	0.12	0.00	55.58	173.06	0.00	0.00	0.00	48.58
				29	51.96	0.10	0.00	51.96	173.06	0.00	0.00	0.00	48.58
				30	52.30	0.13	0.00	52.30	173.06	0.00	0.00	0.00	48.55
				31	51.94	0.10	0.00	51.94	173.06	0.00	0.00	0.00	48.58
				32	51.54	0.07	0.00	51.54	173.06	0.00	0.00	0.00	48.63
				33	49.62	0.08	0.00	49.62	173.06	0.00	0.00	0.00	48.61
				34	48.07	0.07	0.00	48.07	173.06	0.00	0.00	0.00	48.62
				35	48.14	0.07	0.00	48.14	173.06	0.00	0.00	0.00	48.62
				36	48.07	0.07	0.00	48.07	173.06	0.00	0.00	0.00	48.62
				37	47.99	0.06	0.00	47.99	173.06	0.00	0.00	0.00	48.63
				38	48.07	0.07	0.00	48.07	173.06	0.00	0.00	0.00	48.62
32,41	0.800	7.830	0.800	1	416.55	4.90	0.00	416.55	1011.24	0.00	0.00	0.00	283.87
				2	416.69	5.50	0.00	416.69	1011.24	0.00	0.00	0.00	283.77

				3	416.23	5.19	0.00	416.23	1011.24	0.00	0.00	0.00	283.82
				4	416.32	4.92	0.00	416.32	1011.24	0.00	0.00	0.00	283.87
				5	387.10	5.60	0.00	387.10	1011.24	0.00	0.00	0.00	283.67
				6	387.33	6.59	0.00	387.33	1011.24	0.00	0.00	0.00	283.49
				7	386.58	6.08	0.00	386.58	1011.24	0.00	0.00	0.00	283.58
				8	386.72	5.63	0.00	386.72	1011.24	0.00	0.00	0.00	283.67
				25	312.10	3.24	0.00	312.10	1011.24	0.00	0.00	0.00	283.97
				26	312.19	3.64	0.00	312.19	1011.24	0.00	0.00	0.00	283.88
				27	311.89	3.43	0.00	311.89	1011.24	0.00	0.00	0.00	283.93
				28	311.94	3.25	0.00	311.94	1011.24	0.00	0.00	0.00	283.97
				29	292.47	3.71	0.00	292.47	1011.24	0.00	0.00	0.00	283.81
				30	292.62	4.37	0.00	292.62	1011.24	0.00	0.00	0.00	283.64
				31	292.12	4.02	0.00	292.12	1011.24	0.00	0.00	0.00	283.73
				32	292.21	3.73	0.00	292.21	1011.24	0.00	0.00	0.00	283.80
				33	280.48	4.18	0.00	280.48	1011.24	0.00	0.00	0.00	283.64
				34	272.64	4.36	0.00	272.64	1011.24	0.00	0.00	0.00	283.56
				35	272.67	4.49	0.00	272.67	1011.24	0.00	0.00	0.00	283.53
				36	272.57	4.42	0.00	272.57	1011.24	0.00	0.00	0.00	283.55
				37	272.59	4.36	0.00	272.59	1011.24	0.00	0.00	0.00	283.56
				38	272.61	4.39	0.00	272.61	1011.24	0.00	0.00	0.00	283.56
24,32	0.800	2.790	0.800	1	151.81	-0.06	0.00	151.81	360.33	0.00	0.00	0.00	101.43
				2	151.67	-0.03	0.00	151.67	360.33	0.00	0.00	0.00	101.44
				3	151.62	-0.06	0.00	151.62	360.33	0.00	0.00	0.00	101.42
				4	151.67	-0.10	0.00	151.67	360.33	0.00	0.00	0.00	101.41
				5	139.66	-0.04	0.00	139.66	360.33	0.00	0.00	0.00	101.43
				6	139.43	0.02	0.00	139.43	360.33	0.00	0.00	0.00	101.45
				7	139.34	-0.04	0.00	139.34	360.33	0.00	0.00	0.00	101.43
				8	139.43	-0.10	0.00	139.43	360.33	0.00	0.00	0.00	101.40
				25	113.52	-0.04	0.00	113.52	360.33	0.00	0.00	0.00	101.43
				26	113.43	-0.02	0.00	113.43	360.33	0.00	0.00	0.00	101.44
				27	113.39	-0.04	0.00	113.39	360.33	0.00	0.00	0.00	101.43
				28	113.43	-0.06	0.00	113.43	360.33	0.00	0.00	0.00	101.41
				29	105.42	-0.03	0.00	105.42	360.33	0.00	0.00	0.00	101.43
				30	105.26	0.01	0.00	105.26	360.33	0.00	0.00	0.00	101.45
				31	105.20	-0.03	0.00	105.20	360.33	0.00	0.00	0.00	101.43
				32	105.26	-0.07	0.00	105.26	360.33	0.00	0.00	0.00	101.41
				33	100.43	-0.02	0.00	100.43	360.33	0.00	0.00	0.00	101.44
				34	97.19	-0.01	0.00	97.19	360.33	0.00	0.00	0.00	101.44
				35	97.16	-0.01	0.00	97.16	360.33	0.00	0.00	0.00	101.45
				36	97.15	-0.01	0.00	97.15	360.33	0.00	0.00	0.00	101.44
				37	97.16	-0.02	0.00	97.16	360.33	0.00	0.00	0.00	101.44
				38	97.17	-0.01	0.00	97.17	360.33	0.00	0.00	0.00	101.44
16,24	0.800	7.830	0.800	1	406.15	15.62	0.00	406.15	1011.24	0.00	0.00	0.00	281.93
				2	405.92	15.61	0.00	405.92	1011.24	0.00	0.00	0.00	281.93
				3	405.84	15.34	0.00	405.84	1011.24	0.00	0.00	0.00	281.98
				4	406.29	15.03	0.00	406.29	1011.24	0.00	0.00	0.00	282.04
				5	380.27	7.91	0.00	380.27	1011.24	0.00	0.00	0.00	283.21
				6	379.89	7.88	0.00	379.89	1011.24	0.00	0.00	0.00	283.22
				7	379.75	7.43	0.00	379.75	1011.24	0.00	0.00	0.00	283.30
				8	380.50	6.92	0.00	380.50	1011.24	0.00	0.00	0.00	283.40
				25	305.05	10.67	0.00	305.05	1011.24	0.00	0.00	0.00	282.18
				26	304.90	10.66	0.00	304.90	1011.24	0.00	0.00	0.00	282.18
				27	304.84	10.48	0.00	304.84	1011.24	0.00	0.00	0.00	282.23
				28	305.15	10.28	0.00	305.15	1011.24	0.00	0.00	0.00	282.28
				29	287.80	5.53	0.00	287.80	1011.24	0.00	0.00	0.00	283.33
				30	287.55	5.51	0.00	287.55	1011.24	0.00	0.00	0.00	283.33
				31	287.45	5.21	0.00	287.45	1011.24	0.00	0.00	0.00	283.41
				32	287.95	4.87	0.00	287.95	1011.24	0.00	0.00	0.00	283.50
				33	277.25	2.25	0.00	277.25	1011.24	0.00	0.00	0.00	284.14
				34	270.35	0.20	0.00	270.35	1011.24	0.00	0.00	0.00	284.67
				35	270.30	0.19	0.00	270.30	1011.24	0.00	0.00	0.00	284.68
				36	270.28	0.13	0.00	270.28	1011.24	0.00	0.00	0.00	284.69
				37	270.38	0.07	0.00	270.38	1011.24	0.00	0.00	0.00	284.71
				38	270.32	0.17	0.00	270.32	1011.24	0.00	0.00	0.00	284.68

8,16	0.800	1.340	0.800	1	69.11	-0.05	0.00	69.11	173.06	0.00	0.00	0.00	48.67
				2	68.74	-0.02	0.00	68.74	173.06	0.00	0.00	0.00	48.71
				3	69.09	-0.05	0.00	69.09	173.06	0.00	0.00	0.00	48.67
				4	69.42	-0.07	0.00	69.42	173.06	0.00	0.00	0.00	48.65
				5	65.27	-0.05	0.00	65.27	173.06	0.00	0.00	0.00	48.67
				6	64.66	0.00	0.00	64.66	173.06	0.00	0.00	0.00	48.73
				7	65.24	-0.05	0.00	65.24	173.06	0.00	0.00	0.00	48.67
				8	65.78	-0.09	0.00	65.78	173.06	0.00	0.00	0.00	48.63
				25	51.92	-0.03	0.00	51.92	173.06	0.00	0.00	0.00	48.68
				26	51.67	-0.01	0.00	51.67	173.06	0.00	0.00	0.00	48.71
				27	51.91	-0.03	0.00	51.91	173.06	0.00	0.00	0.00	48.68
				28	52.13	-0.05	0.00	52.13	173.06	0.00	0.00	0.00	48.66
				29	49.36	-0.03	0.00	49.36	173.06	0.00	0.00	0.00	48.68
				30	48.95	0.00	0.00	48.95	173.06	0.00	0.00	0.00	48.73
				31	49.34	-0.03	0.00	49.34	173.06	0.00	0.00	0.00	48.68
				32	49.70	-0.06	0.00	49.70	173.06	0.00	0.00	0.00	48.64
				33	47.82	-0.03	0.00	47.82	173.06	0.00	0.00	0.00	48.67
				34	46.80	-0.03	0.00	46.80	173.06	0.00	0.00	0.00	48.67
				35	46.71	-0.03	0.00	46.71	173.06	0.00	0.00	0.00	48.68
				36	46.79	-0.03	0.00	46.79	173.06	0.00	0.00	0.00	48.67
				37	46.86	-0.04	0.00	46.86	173.06	0.00	0.00	0.00	48.67
				38	46.80	-0.03	0.00	46.80	173.06	0.00	0.00	0.00	48.67
40,49	0.800	1.340	0.800	1	75.91	0.22	0.00	75.91	173.06	0.00	0.00	0.00	48.52
				2	76.29	0.25	0.00	76.29	173.06	0.00	0.00	0.00	48.49
				3	75.86	0.22	0.00	75.86	173.06	0.00	0.00	0.00	48.52
				4	75.42	0.17	0.00	75.42	173.06	0.00	0.00	0.00	48.56
				5	69.75	0.16	0.00	69.75	173.06	0.00	0.00	0.00	48.56
				6	70.38	0.22	0.00	70.38	173.06	0.00	0.00	0.00	48.50
				7	69.66	0.16	0.00	69.66	173.06	0.00	0.00	0.00	48.56
				8	68.93	0.09	0.00	68.93	173.06	0.00	0.00	0.00	48.64
				25	56.53	0.15	0.00	56.53	173.06	0.00	0.00	0.00	48.54
				26	56.78	0.17	0.00	56.78	173.06	0.00	0.00	0.00	48.51
				27	56.49	0.15	0.00	56.49	173.06	0.00	0.00	0.00	48.54
				28	56.20	0.12	0.00	56.20	173.06	0.00	0.00	0.00	48.58
				29	52.42	0.11	0.00	52.42	173.06	0.00	0.00	0.00	48.58
				30	52.84	0.15	0.00	52.84	173.06	0.00	0.00	0.00	48.53
				31	52.36	0.11	0.00	52.36	173.06	0.00	0.00	0.00	48.58
				32	51.88	0.06	0.00	51.88	173.06	0.00	0.00	0.00	48.65
				33	49.91	0.09	0.00	49.91	173.06	0.00	0.00	0.00	48.60
				34	48.27	0.07	0.00	48.27	173.06	0.00	0.00	0.00	48.62
				35	48.35	0.08	0.00	48.35	173.06	0.00	0.00	0.00	48.61
				36	48.26	0.07	0.00	48.26	173.06	0.00	0.00	0.00	48.62
				37	48.16	0.06	0.00	48.16	173.06	0.00	0.00	0.00	48.64
				38	48.26	0.07	0.00	48.26	173.06	0.00	0.00	0.00	48.62
31,40	0.800	7.830	0.800	1	421.37	5.30	0.00	421.37	1011.24	0.00	0.00	0.00	283.81
				2	420.78	6.28	0.00	420.78	1011.24	0.00	0.00	0.00	283.64
				3	421.16	5.25	0.00	421.16	1011.24	0.00	0.00	0.00	283.82
				4	421.83	4.80	0.00	421.83	1011.24	0.00	0.00	0.00	283.90
				5	390.36	5.71	0.00	390.36	1011.24	0.00	0.00	0.00	283.66
				6	389.37	7.34	0.00	389.37	1011.24	0.00	0.00	0.00	283.36
				7	390.00	5.62	0.00	390.00	1011.24	0.00	0.00	0.00	283.68
				8	391.12	4.87	0.00	391.12	1011.24	0.00	0.00	0.00	283.82
				25	315.41	3.43	0.00	315.41	1011.24	0.00	0.00	0.00	283.94
				26	315.01	4.08	0.00	315.01	1011.24	0.00	0.00	0.00	283.78
				27	315.27	3.39	0.00	315.27	1011.24	0.00	0.00	0.00	283.94
				28	315.71	3.10	0.00	315.71	1011.24	0.00	0.00	0.00	284.01
				29	294.73	3.70	0.00	294.73	1011.24	0.00	0.00	0.00	283.81
				30	294.07	4.79	0.00	294.07	1011.24	0.00	0.00	0.00	283.54
				31	294.50	3.64	0.00	294.50	1011.24	0.00	0.00	0.00	283.83
				32	295.24	3.14	0.00	295.24	1011.24	0.00	0.00	0.00	283.95
				33	282.12	3.87	0.00	282.12	1011.24	0.00	0.00	0.00	283.73
				34	273.85	3.98	0.00	273.85	1011.24	0.00	0.00	0.00	283.67
				35	273.72	4.20	0.00	273.72	1011.24	0.00	0.00	0.00	283.61
				36	273.81	3.97	0.00	273.81	1011.24	0.00	0.00	0.00	283.67

				37	273.96	3.87	0.00	273.96	1011.24	0.00	0.00	0.00	283.70
				38	273.82	3.98	0.00	273.82	1011.24	0.00	0.00	0.00	283.67
23,31	0.800	2.790	0.800	1	153.34	-0.12	0.00	153.34	360.33	0.00	0.00	0.00	101.40
				2	153.20	-0.17	0.00	153.20	360.33	0.00	0.00	0.00	101.37
				3	153.27	-0.12	0.00	153.27	360.33	0.00	0.00	0.00	101.40
				4	153.20	-0.06	0.00	153.20	360.33	0.00	0.00	0.00	101.42
				5	140.75	-0.08	0.00	140.75	360.33	0.00	0.00	0.00	101.41
				6	140.52	-0.17	0.00	140.52	360.33	0.00	0.00	0.00	101.37
				7	140.63	-0.08	0.00	140.63	360.33	0.00	0.00	0.00	101.41
				8	140.52	0.01	0.00	140.52	360.33	0.00	0.00	0.00	101.45
				25	114.59	-0.08	0.00	114.59	360.33	0.00	0.00	0.00	101.40
				26	114.50	-0.12	0.00	114.50	360.33	0.00	0.00	0.00	101.38
				27	114.55	-0.08	0.00	114.55	360.33	0.00	0.00	0.00	101.40
				28	114.50	-0.04	0.00	114.50	360.33	0.00	0.00	0.00	101.43
				29	106.20	-0.05	0.00	106.20	360.33	0.00	0.00	0.00	101.42
				30	106.05	-0.11	0.00	106.05	360.33	0.00	0.00	0.00	101.38
				31	106.12	-0.05	0.00	106.12	360.33	0.00	0.00	0.00	101.42
				32	106.05	0.01	0.00	106.05	360.33	0.00	0.00	0.00	101.45
				33	101.08	-0.04	0.00	101.08	360.33	0.00	0.00	0.00	101.43
				34	97.72	-0.03	0.00	97.72	360.33	0.00	0.00	0.00	101.43
				35	97.69	-0.04	0.00	97.69	360.33	0.00	0.00	0.00	101.43
				36	97.71	-0.03	0.00	97.71	360.33	0.00	0.00	0.00	101.43
				37	97.69	-0.02	0.00	97.69	360.33	0.00	0.00	0.00	101.44
				38	97.71	-0.03	0.00	97.71	360.33	0.00	0.00	0.00	101.43
15,23	0.800	7.830	0.800	1	411.40	16.15	0.00	411.40	1011.24	0.00	0.00	0.00	281.87
				2	411.85	16.65	0.00	411.85	1011.24	0.00	0.00	0.00	281.79
				3	411.19	16.20	0.00	411.19	1011.24	0.00	0.00	0.00	281.86
				4	410.81	15.17	0.00	410.81	1011.24	0.00	0.00	0.00	282.04
				5	383.81	8.40	0.00	383.81	1011.24	0.00	0.00	0.00	283.14
				6	384.57	9.23	0.00	384.57	1011.24	0.00	0.00	0.00	282.98
				7	383.46	8.49	0.00	383.46	1011.24	0.00	0.00	0.00	283.12
				8	382.82	6.77	0.00	382.82	1011.24	0.00	0.00	0.00	283.44
				25	308.66	11.10	0.00	308.66	1011.24	0.00	0.00	0.00	282.11
				26	308.96	11.44	0.00	308.96	1011.24	0.00	0.00	0.00	282.03
				27	308.52	11.14	0.00	308.52	1011.24	0.00	0.00	0.00	282.10
				28	308.26	10.45	0.00	308.26	1011.24	0.00	0.00	0.00	282.26
				29	290.27	5.94	0.00	290.27	1011.24	0.00	0.00	0.00	283.24
				30	290.77	6.50	0.00	290.77	1011.24	0.00	0.00	0.00	283.10
				31	290.03	6.00	0.00	290.03	1011.24	0.00	0.00	0.00	283.22
				32	289.61	4.85	0.00	289.61	1011.24	0.00	0.00	0.00	283.51
				33	279.02	2.83	0.00	279.02	1011.24	0.00	0.00	0.00	283.99
				34	271.68	0.77	0.00	271.68	1011.24	0.00	0.00	0.00	284.52
				35	271.78	0.88	0.00	271.78	1011.24	0.00	0.00	0.00	284.49
				36	271.63	0.78	0.00	271.63	1011.24	0.00	0.00	0.00	284.52
				37	271.54	0.55	0.00	271.54	1011.24	0.00	0.00	0.00	284.58
				38	271.64	0.77	0.00	271.64	1011.24	0.00	0.00	0.00	284.52
7,15	0.800	1.340	0.800	1	70.04	-0.06	0.00	70.04	173.06	0.00	0.00	0.00	48.66
				2	69.55	-0.01	0.00	69.55	173.06	0.00	0.00	0.00	48.71
				3	69.99	-0.06	0.00	69.99	173.06	0.00	0.00	0.00	48.67
				4	70.42	-0.09	0.00	70.42	173.06	0.00	0.00	0.00	48.63
				5	65.89	-0.06	0.00	65.89	173.06	0.00	0.00	0.00	48.66
				6	65.07	0.02	0.00	65.07	173.06	0.00	0.00	0.00	48.71
				7	65.80	-0.06	0.00	65.80	173.06	0.00	0.00	0.00	48.67
				8	66.52	-0.11	0.00	66.52	173.06	0.00	0.00	0.00	48.60
				25	52.55	-0.04	0.00	52.55	173.06	0.00	0.00	0.00	48.67
				26	52.22	-0.01	0.00	52.22	173.06	0.00	0.00	0.00	48.71
				27	52.51	-0.04	0.00	52.51	173.06	0.00	0.00	0.00	48.67
				28	52.80	-0.06	0.00	52.80	173.06	0.00	0.00	0.00	48.64
				29	49.78	-0.04	0.00	49.78	173.06	0.00	0.00	0.00	48.67
				30	49.24	0.01	0.00	49.24	173.06	0.00	0.00	0.00	48.71
				31	49.72	-0.04	0.00	49.72	173.06	0.00	0.00	0.00	48.67
				32	50.20	-0.08	0.00	50.20	173.06	0.00	0.00	0.00	48.62
				33	48.08	-0.04	0.00	48.08	173.06	0.00	0.00	0.00	48.67
				34	46.97	-0.04	0.00	46.97	173.06	0.00	0.00	0.00	48.67

				35	46.86	-0.03	0.00	46.86	173.06	0.00	0.00	0.00	48.69
				36	46.96	-0.04	0.00	46.96	173.06	0.00	0.00	0.00	48.67
				37	47.06	-0.04	0.00	47.06	173.06	0.00	0.00	0.00	48.66
				38	46.96	-0.04	0.00	46.96	173.06	0.00	0.00	0.00	48.67
39,48	0.800	1.340	0.800	1	75.60	0.41	0.00	75.60	173.06	0.00	0.00	0.00	48.33
				2	75.90	0.45	0.00	75.90	173.06	0.00	0.00	0.00	48.30
				3	75.44	0.41	0.00	75.44	173.06	0.00	0.00	0.00	48.33
				4	75.02	0.36	0.00	75.02	173.06	0.00	0.00	0.00	48.38
				5	69.66	0.29	0.00	69.66	173.06	0.00	0.00	0.00	48.42
				6	70.15	0.35	0.00	70.15	173.06	0.00	0.00	0.00	48.36
				7	69.39	0.29	0.00	69.39	173.06	0.00	0.00	0.00	48.43
				8	68.69	0.21	0.00	68.69	173.06	0.00	0.00	0.00	48.51
				25	56.32	0.28	0.00	56.32	173.06	0.00	0.00	0.00	48.37
				26	56.52	0.30	0.00	56.52	173.06	0.00	0.00	0.00	48.34
				27	56.21	0.28	0.00	56.21	173.06	0.00	0.00	0.00	48.37
				28	55.93	0.25	0.00	55.93	173.06	0.00	0.00	0.00	48.41
				29	52.36	0.20	0.00	52.36	173.06	0.00	0.00	0.00	48.45
				30	52.69	0.24	0.00	52.69	173.06	0.00	0.00	0.00	48.40
				31	52.18	0.20	0.00	52.18	173.06	0.00	0.00	0.00	48.45
				32	51.72	0.14	0.00	51.72	173.06	0.00	0.00	0.00	48.53
				33	49.82	0.15	0.00	49.82	173.06	0.00	0.00	0.00	48.51
				34	48.25	0.12	0.00	48.25	173.06	0.00	0.00	0.00	48.55
				35	48.31	0.12	0.00	48.31	173.06	0.00	0.00	0.00	48.54
				36	48.21	0.11	0.00	48.21	173.06	0.00	0.00	0.00	48.55
				37	48.12	0.10	0.00	48.12	173.06	0.00	0.00	0.00	48.57
				38	48.22	0.11	0.00	48.22	173.06	0.00	0.00	0.00	48.55
14,39	0.800	18.450	0.800	1	844.89	83.40	0.00	844.89	2382.81	0.00	0.00	0.00	663.73
				2	845.23	75.09	0.00	845.23	2382.81	0.00	0.00	0.00	664.45
				3	844.11	83.40	0.00	844.11	2382.81	0.00	0.00	0.00	663.72
				4	845.23	91.73	0.00	845.23	2382.81	0.00	0.00	0.00	663.02
				5	821.81	54.84	0.00	821.81	2382.81	0.00	0.00	0.00	666.06
				6	822.37	40.99	0.00	822.37	2382.81	0.00	0.00	0.00	667.28
				7	820.51	54.85	0.00	820.51	2382.81	0.00	0.00	0.00	666.05
				8	822.38	68.72	0.00	822.38	2382.81	0.00	0.00	0.00	664.83
				25	642.77	56.52	0.00	642.77	2382.81	0.00	0.00	0.00	664.51
				26	642.99	50.98	0.00	642.99	2382.81	0.00	0.00	0.00	665.14
				27	642.25	56.52	0.00	642.25	2382.81	0.00	0.00	0.00	664.51
				28	642.99	62.07	0.00	642.99	2382.81	0.00	0.00	0.00	663.89
				29	627.38	37.48	0.00	627.38	2382.81	0.00	0.00	0.00	666.56
				30	627.75	28.25	0.00	627.75	2382.81	0.00	0.00	0.00	667.64
				31	626.51	37.49	0.00	626.51	2382.81	0.00	0.00	0.00	666.56
				32	627.76	46.74	0.00	627.76	2382.81	0.00	0.00	0.00	665.49
				33	617.40	26.07	0.00	617.40	2382.81	0.00	0.00	0.00	667.84
				34	611.27	18.45	0.00	611.27	2382.81	0.00	0.00	0.00	668.71
				35	611.34	16.61	0.00	611.34	2382.81	0.00	0.00	0.00	668.93
				36	611.10	18.45	0.00	611.10	2382.81	0.00	0.00	0.00	668.71
				37	611.35	20.30	0.00	611.35	2382.81	0.00	0.00	0.00	668.49
				38	611.15	18.46	0.00	611.15	2382.81	0.00	0.00	0.00	668.71
6,14	0.800	1.340	0.800	1	70.17	-0.29	0.00	70.17	173.06	0.00	0.00	0.00	48.43
				2	69.59	-0.23	0.00	69.59	173.06	0.00	0.00	0.00	48.48
				3	70.01	-0.28	0.00	70.01	173.06	0.00	0.00	0.00	48.43
				4	70.47	-0.32	0.00	70.47	173.06	0.00	0.00	0.00	48.40
				5	66.09	-0.21	0.00	66.09	173.06	0.00	0.00	0.00	48.50
				6	65.12	-0.12	0.00	65.12	173.06	0.00	0.00	0.00	48.59
				7	65.81	-0.20	0.00	65.81	173.06	0.00	0.00	0.00	48.50
				8	66.58	-0.27	0.00	66.58	173.06	0.00	0.00	0.00	48.44
				25	52.64	-0.19	0.00	52.64	173.06	0.00	0.00	0.00	48.46
				26	52.26	-0.16	0.00	52.26	173.06	0.00	0.00	0.00	48.51
				27	52.53	-0.19	0.00	52.53	173.06	0.00	0.00	0.00	48.46
				28	52.84	-0.22	0.00	52.84	173.06	0.00	0.00	0.00	48.43
				29	49.92	-0.14	0.00	49.92	173.06	0.00	0.00	0.00	48.52
				30	49.28	-0.08	0.00	49.28	173.06	0.00	0.00	0.00	48.60
				31	49.74	-0.14	0.00	49.74	173.06	0.00	0.00	0.00	48.52
				32	50.25	-0.18	0.00	50.25	173.06	0.00	0.00	0.00	48.47

				33	48.13	-0.11	0.00	48.13	173.06	0.00	0.00	0.00	48.56
				34	47.04	-0.09	0.00	47.04	173.06	0.00	0.00	0.00	48.59
				35	46.91	-0.08	0.00	46.91	173.06	0.00	0.00	0.00	48.61
				36	47.01	-0.09	0.00	47.01	173.06	0.00	0.00	0.00	48.59
				37	47.11	-0.09	0.00	47.11	173.06	0.00	0.00	0.00	48.58
				38	47.02	-0.09	0.00	47.02	173.06	0.00	0.00	0.00	48.59
4,47	0.800	1.340	0.800	1	70.94	0.12	0.00	70.94	173.06	0.00	0.00	0.00	48.60
				2	71.56	0.15	0.00	71.56	173.06	0.00	0.00	0.00	48.58
				3	71.38	0.12	0.00	71.38	173.06	0.00	0.00	0.00	48.60
				4	70.82	0.09	0.00	70.82	173.06	0.00	0.00	0.00	48.64
				5	66.69	0.09	0.00	66.69	173.06	0.00	0.00	0.00	48.63
				6	67.72	0.14	0.00	67.72	173.06	0.00	0.00	0.00	48.58
				7	67.42	0.09	0.00	67.42	173.06	0.00	0.00	0.00	48.63
				8	66.49	0.04	0.00	66.49	173.06	0.00	0.00	0.00	48.69
				25	53.19	0.08	0.00	53.19	173.06	0.00	0.00	0.00	48.62
				26	53.61	0.10	0.00	53.61	173.06	0.00	0.00	0.00	48.59
				27	53.49	0.08	0.00	53.49	173.06	0.00	0.00	0.00	48.62
				28	53.11	0.06	0.00	53.11	173.06	0.00	0.00	0.00	48.65
				29	50.36	0.06	0.00	50.36	173.06	0.00	0.00	0.00	48.64
				30	51.05	0.09	0.00	51.05	173.06	0.00	0.00	0.00	48.60
				31	50.85	0.06	0.00	50.85	173.06	0.00	0.00	0.00	48.64
				32	50.23	0.03	0.00	50.23	173.06	0.00	0.00	0.00	48.69
				33	49.03	0.05	0.00	49.03	173.06	0.00	0.00	0.00	48.65
				34	47.89	0.04	0.00	47.89	173.06	0.00	0.00	0.00	48.66
				35	48.02	0.05	0.00	48.02	173.06	0.00	0.00	0.00	48.65
				36	47.98	0.04	0.00	47.98	173.06	0.00	0.00	0.00	48.66
				37	47.86	0.04	0.00	47.86	173.06	0.00	0.00	0.00	48.67
				38	47.95	0.04	0.00	47.95	173.06	0.00	0.00	0.00	48.66
3,4	0.800	7.830	0.800	1	410.72	-13.34	0.00	410.72	1011.24	0.00	0.00	0.00	282.36
				2	412.22	-12.89	0.00	412.22	1011.24	0.00	0.00	0.00	282.45
				3	413.64	-14.15	0.00	413.64	1011.24	0.00	0.00	0.00	282.24
				4	412.85	-14.50	0.00	412.85	1011.24	0.00	0.00	0.00	282.17
				5	385.73	-8.09	0.00	385.73	1011.24	0.00	0.00	0.00	283.20
				6	388.23	-7.34	0.00	388.23	1011.24	0.00	0.00	0.00	283.35
				7	390.61	-9.43	0.00	390.61	1011.24	0.00	0.00	0.00	282.97
				8	389.30	-10.01	0.00	389.30	1011.24	0.00	0.00	0.00	282.86
				25	308.38	-9.22	0.00	308.38	1011.24	0.00	0.00	0.00	282.55
				26	309.38	-8.91	0.00	309.38	1011.24	0.00	0.00	0.00	282.63
				27	310.33	-9.75	0.00	310.33	1011.24	0.00	0.00	0.00	282.44
				28	309.80	-9.98	0.00	309.80	1011.24	0.00	0.00	0.00	282.38
				29	291.72	-5.71	0.00	291.72	1011.24	0.00	0.00	0.00	283.30
				30	293.39	-5.21	0.00	293.39	1011.24	0.00	0.00	0.00	283.44
				31	294.97	-6.60	0.00	294.97	1011.24	0.00	0.00	0.00	283.10
				32	294.10	-6.99	0.00	294.10	1011.24	0.00	0.00	0.00	283.00
				33	284.25	-4.34	0.00	284.25	1011.24	0.00	0.00	0.00	283.62
				34	277.51	-2.92	0.00	277.51	1011.24	0.00	0.00	0.00	283.96
				35	277.84	-2.82	0.00	277.84	1011.24	0.00	0.00	0.00	283.99
				36	278.16	-3.09	0.00	278.16	1011.24	0.00	0.00	0.00	283.92
				37	277.98	-3.17	0.00	277.98	1011.24	0.00	0.00	0.00	283.90
				38	277.92	-3.03	0.00	277.92	1011.24	0.00	0.00	0.00	283.93
2,3	0.800	2.790	0.800	1	153.55	-0.08	0.00	153.55	360.33	0.00	0.00	0.00	101.42
				2	154.31	-0.13	0.00	154.31	360.33	0.00	0.00	0.00	101.40
				3	154.89	-0.08	0.00	154.89	360.33	0.00	0.00	0.00	101.42
				4	154.31	-0.03	0.00	154.31	360.33	0.00	0.00	0.00	101.44
				5	142.19	-0.05	0.00	142.19	360.33	0.00	0.00	0.00	101.43
				6	143.46	-0.13	0.00	143.46	360.33	0.00	0.00	0.00	101.39
				7	144.42	-0.05	0.00	144.42	360.33	0.00	0.00	0.00	101.43
				8	143.46	0.03	0.00	143.46	360.33	0.00	0.00	0.00	101.44
				25	114.81	-0.05	0.00	114.81	360.33	0.00	0.00	0.00	101.42
				26	115.32	-0.09	0.00	115.32	360.33	0.00	0.00	0.00	101.40
				27	115.71	-0.05	0.00	115.71	360.33	0.00	0.00	0.00	101.42
				28	115.32	-0.02	0.00	115.32	360.33	0.00	0.00	0.00	101.44
				29	107.24	-0.04	0.00	107.24	360.33	0.00	0.00	0.00	101.43
				30	108.09	-0.09	0.00	108.09	360.33	0.00	0.00	0.00	101.39

				31	108.73	-0.04	0.00	108.73	360.33	0.00	0.00	0.00	101.43
				32	108.09	0.02	0.00	108.09	360.33	0.00	0.00	0.00	101.44
				33	103.86	-0.03	0.00	103.86	360.33	0.00	0.00	0.00	101.44
				34	100.79	-0.02	0.00	100.79	360.33	0.00	0.00	0.00	101.44
				35	100.96	-0.03	0.00	100.96	360.33	0.00	0.00	0.00	101.43
				36	101.09	-0.02	0.00	101.09	360.33	0.00	0.00	0.00	101.44
				37	100.96	-0.01	0.00	100.96	360.33	0.00	0.00	0.00	101.45
				38	100.98	-0.02	0.00	100.98	360.33	0.00	0.00	0.00	101.44
1,2	0.800	7.830	0.800	1	404.23	27.53	0.00	404.23	1011.24	0.00	0.00	0.00	279.77
				2	406.37	28.69	0.00	406.37	1011.24	0.00	0.00	0.00	279.59
				3	407.16	28.34	0.00	407.16	1011.24	0.00	0.00	0.00	279.66
				4	405.73	27.08	0.00	405.73	1011.24	0.00	0.00	0.00	279.87
				5	381.41	17.53	0.00	381.41	1011.24	0.00	0.00	0.00	281.38
				6	384.98	19.46	0.00	384.98	1011.24	0.00	0.00	0.00	281.05
				7	386.29	18.89	0.00	386.29	1011.24	0.00	0.00	0.00	281.17
				8	383.91	16.79	0.00	383.91	1011.24	0.00	0.00	0.00	281.55
				25	303.97	18.86	0.00	303.97	1011.24	0.00	0.00	0.00	280.21
				26	305.40	19.63	0.00	305.40	1011.24	0.00	0.00	0.00	280.05
				27	305.92	19.40	0.00	305.92	1011.24	0.00	0.00	0.00	280.11
				28	304.97	18.56	0.00	304.97	1011.24	0.00	0.00	0.00	280.30
				29	288.76	12.20	0.00	288.76	1011.24	0.00	0.00	0.00	281.66
				30	291.14	13.48	0.00	291.14	1011.24	0.00	0.00	0.00	281.36
				31	292.01	13.10	0.00	292.01	1011.24	0.00	0.00	0.00	281.46
				32	290.42	11.70	0.00	290.42	1011.24	0.00	0.00	0.00	281.80
				33	282.15	8.94	0.00	282.15	1011.24	0.00	0.00	0.00	282.42
				34	275.99	6.25	0.00	275.99	1011.24	0.00	0.00	0.00	283.08
				35	276.46	6.50	0.00	276.46	1011.24	0.00	0.00	0.00	283.02
				36	276.64	6.43	0.00	276.64	1011.24	0.00	0.00	0.00	283.04
				37	276.32	6.15	0.00	276.32	1011.24	0.00	0.00	0.00	283.11
				38	276.40	6.36	0.00	276.40	1011.24	0.00	0.00	0.00	283.05
5,1	0.800	1.340	0.800	1	67.01	-0.01	0.00	67.01	173.06	0.00	0.00	0.00	48.72
				2	66.89	0.02	0.00	66.89	173.06	0.00	0.00	0.00	48.70
				3	67.44	-0.01	0.00	67.44	173.06	0.00	0.00	0.00	48.72
				4	67.62	-0.04	0.00	67.62	173.06	0.00	0.00	0.00	48.69
				5	64.07	-0.02	0.00	64.07	173.06	0.00	0.00	0.00	48.71
				6	63.87	0.04	0.00	63.87	173.06	0.00	0.00	0.00	48.69
				7	64.80	-0.02	0.00	64.80	173.06	0.00	0.00	0.00	48.71
				8	65.10	-0.06	0.00	65.10	173.06	0.00	0.00	0.00	48.66
				25	50.52	-0.01	0.00	50.52	173.06	0.00	0.00	0.00	48.72
				26	50.44	0.02	0.00	50.44	173.06	0.00	0.00	0.00	48.70
				27	50.81	-0.01	0.00	50.81	173.06	0.00	0.00	0.00	48.72
				28	50.93	-0.02	0.00	50.93	173.06	0.00	0.00	0.00	48.69
				29	48.57	-0.01	0.00	48.57	173.06	0.00	0.00	0.00	48.71
				30	48.43	0.03	0.00	48.43	173.06	0.00	0.00	0.00	48.69
				31	49.05	-0.01	0.00	49.05	173.06	0.00	0.00	0.00	48.71
				32	49.25	-0.04	0.00	49.25	173.06	0.00	0.00	0.00	48.67
				33	47.76	-0.01	0.00	47.76	173.06	0.00	0.00	0.00	48.70
				34	46.96	-0.02	0.00	46.96	173.06	0.00	0.00	0.00	48.70
				35	46.94	-0.01	0.00	46.94	173.06	0.00	0.00	0.00	48.71
				36	47.06	-0.02	0.00	47.06	173.06	0.00	0.00	0.00	48.70
				37	47.10	-0.02	0.00	47.10	173.06	0.00	0.00	0.00	48.69
				38	47.02	-0.02	0.00	47.02	173.06	0.00	0.00	0.00	48.70
45,46	0.800	1.340	0.800	1	73.62	-0.05	-0.00	73.62	173.06	0.00	0.00	0.00	48.68
				2	73.61	-0.04	-0.00	73.61	173.06	0.00	0.00	0.00	48.69
				3	73.11	-0.02	-0.00	73.11	173.06	0.00	0.00	0.00	48.71
				4	73.29	-0.04	-0.00	73.29	173.06	0.00	0.00	0.00	48.69
				5	68.77	-0.06	-0.00	68.77	173.06	0.00	0.00	0.00	48.66
				6	68.74	-0.04	-0.00	68.74	173.06	0.00	0.00	0.00	48.68
				7	67.91	-0.00	-0.00	67.91	173.06	0.00	0.00	0.00	48.72
				8	68.20	-0.04	-0.00	68.20	173.06	0.00	0.00	0.00	48.68
				25	55.04	-0.04	-0.00	55.04	173.06	0.00	0.00	0.00	48.68
				26	55.03	-0.03	-0.00	55.03	173.06	0.00	0.00	0.00	48.69
				27	54.70	-0.01	-0.00	54.70	173.06	0.00	0.00	0.00	48.71
				28	54.82	-0.03	-0.00	54.82	173.06	0.00	0.00	0.00	48.69

				29	51.80	-0.04	-0.00	51.80	173.06	0.00	0.00	0.00	48.67
				30	51.78	-0.03	-0.00	51.78	173.06	0.00	0.00	0.00	48.69
				31	51.23	-0.00	-0.00	51.23	173.06	0.00	0.00	0.00	48.72
				32	51.43	-0.03	-0.00	51.43	173.06	0.00	0.00	0.00	48.69
				33	49.63	-0.03	-0.00	49.63	173.06	0.00	0.00	0.00	48.68
				34	48.35	-0.03	-0.00	48.35	173.06	0.00	0.00	0.00	48.68
				35	48.34	-0.03	-0.00	48.34	173.06	0.00	0.00	0.00	48.68
				36	48.23	-0.03	-0.00	48.23	173.06	0.00	0.00	0.00	48.69
				37	48.27	-0.03	-0.00	48.27	173.06	0.00	0.00	0.00	48.68
				38	48.31	-0.03	-0.00	48.31	173.06	0.00	0.00	0.00	48.68
44,45	0.800	6.010	0.800	1	326.54	-0.48	-0.00	326.54	776.19	0.00	0.00	0.00	218.44
				2	327.15	-0.14	-0.00	327.15	776.19	0.00	0.00	0.00	218.51
				3	326.46	0.46	0.00	326.46	776.19	0.00	0.00	0.00	218.44
				4	325.71	-0.20	-0.00	325.71	776.19	0.00	0.00	0.00	218.50
				5	303.97	-1.44	-0.00	303.97	776.19	0.00	0.00	0.00	218.20
				6	304.99	-0.89	-0.00	304.99	776.19	0.00	0.00	0.00	218.33
				7	303.84	0.12	0.00	303.84	776.19	0.00	0.00	0.00	218.52
				8	302.60	-0.97	-0.00	302.60	776.19	0.00	0.00	0.00	218.31
				25	244.25	-0.43	-0.00	244.25	776.19	0.00	0.00	0.00	218.42
				26	244.66	-0.21	-0.00	244.66	776.19	0.00	0.00	0.00	218.48
				27	244.20	0.20	0.00	244.20	776.19	0.00	0.00	0.00	218.49
				28	243.70	-0.24	-0.00	243.70	776.19	0.00	0.00	0.00	218.47
				29	229.20	-1.07	-0.00	229.20	776.19	0.00	0.00	0.00	218.21
				30	229.89	-0.70	-0.00	229.89	776.19	0.00	0.00	0.00	218.32
				31	229.11	-0.03	-0.00	229.11	776.19	0.00	0.00	0.00	218.54
				32	228.29	-0.76	-0.00	228.29	776.19	0.00	0.00	0.00	218.30
				33	220.07	-1.07	-0.00	220.07	776.19	0.00	0.00	0.00	218.19
				34	214.05	-1.34	-0.00	214.05	776.19	0.00	0.00	0.00	218.09
				35	214.19	-1.26	-0.00	214.19	776.19	0.00	0.00	0.00	218.12
				36	214.03	-1.13	-0.00	214.03	776.19	0.00	0.00	0.00	218.16
				37	213.87	-1.28	-0.00	213.87	776.19	0.00	0.00	0.00	218.11
				38	214.04	-1.28	-0.00	214.04	776.19	0.00	0.00	0.00	218.11
43,44	0.800	6.010	0.800	1	327.21	0.68	0.00	327.21	776.19	0.00	0.00	0.00	218.39
				2	328.10	0.67	0.00	328.10	776.19	0.00	0.00	0.00	218.40
				3	327.55	0.44	0.00	327.55	776.19	0.00	0.00	0.00	218.45
				4	326.50	0.57	0.00	326.50	776.19	0.00	0.00	0.00	218.42
				5	303.45	0.47	0.00	303.45	776.19	0.00	0.00	0.00	218.43
				6	304.94	0.44	0.00	304.94	776.19	0.00	0.00	0.00	218.44
				7	304.02	0.06	0.00	304.02	776.19	0.00	0.00	0.00	218.53
				8	302.26	0.28	0.00	302.26	776.19	0.00	0.00	0.00	218.48
				25	244.58	0.44	0.00	244.58	776.19	0.00	0.00	0.00	218.41
				26	245.17	0.43	0.00	245.17	776.19	0.00	0.00	0.00	218.42
				27	244.81	0.28	0.00	244.81	776.19	0.00	0.00	0.00	218.46
				28	244.10	0.37	0.00	244.10	776.19	0.00	0.00	0.00	218.44
				29	228.74	0.30	0.00	228.74	776.19	0.00	0.00	0.00	218.45
				30	229.73	0.28	0.00	229.73	776.19	0.00	0.00	0.00	218.46
				31	229.12	0.03	0.00	229.12	776.19	0.00	0.00	0.00	218.54
				32	227.95	0.17	0.00	227.95	776.19	0.00	0.00	0.00	218.49
				33	219.36	0.12	0.00	219.36	776.19	0.00	0.00	0.00	218.50
				34	213.02	0.07	0.00	213.02	776.19	0.00	0.00	0.00	218.52
				35	213.22	0.07	0.00	213.22	776.19	0.00	0.00	0.00	218.52
				36	213.10	0.01	0.00	213.10	776.19	0.00	0.00	0.00	218.54
				37	212.87	0.04	0.00	212.87	776.19	0.00	0.00	0.00	218.53
				38	213.04	0.05	0.00	213.04	776.19	0.00	0.00	0.00	218.53
42,43	0.800	6.010	0.800	1	327.90	0.29	0.00	327.90	776.19	0.00	0.00	0.00	218.48
				2	328.78	0.27	0.00	328.78	776.19	0.00	0.00	0.00	218.49
				3	327.94	0.17	0.00	327.94	776.19	0.00	0.00	0.00	218.51
				4	327.04	0.22	0.00	327.04	776.19	0.00	0.00	0.00	218.50
				5	304.05	0.29	0.00	304.05	776.19	0.00	0.00	0.00	218.48
				6	305.52	0.26	0.00	305.52	776.19	0.00	0.00	0.00	218.48
				7	304.12	0.09	0.00	304.12	776.19	0.00	0.00	0.00	218.52
				8	302.62	0.18	0.00	302.62	776.19	0.00	0.00	0.00	218.50
				25	245.03	0.20	0.00	245.03	776.19	0.00	0.00	0.00	218.49
				26	245.62	0.19	0.00	245.62	776.19	0.00	0.00	0.00	218.49

				27	245.06	0.12	0.00	245.06	776.19	0.00	0.00	0.00	218.51
				28	244.46	0.16	0.00	244.46	776.19	0.00	0.00	0.00	218.50
				29	229.13	0.20	0.00	229.13	776.19	0.00	0.00	0.00	218.48
				30	230.12	0.18	0.00	230.12	776.19	0.00	0.00	0.00	218.49
				31	229.18	0.07	0.00	229.18	776.19	0.00	0.00	0.00	218.52
				32	228.18	0.12	0.00	228.18	776.19	0.00	0.00	0.00	218.51
				33	219.62	0.14	0.00	219.62	776.19	0.00	0.00	0.00	218.50
				34	213.26	0.14	0.00	213.26	776.19	0.00	0.00	0.00	218.50
				35	213.46	0.14	0.00	213.46	776.19	0.00	0.00	0.00	218.50
				36	213.27	0.12	0.00	213.27	776.19	0.00	0.00	0.00	218.51
				37	213.07	0.13	0.00	213.07	776.19	0.00	0.00	0.00	218.50
				38	213.26	0.13	0.00	213.26	776.19	0.00	0.00	0.00	218.50
41,42	0.800	6.010	0.800	1	329.16	1.39	0.00	329.16	776.19	0.00	0.00	0.00	218.24
				2	330.08	1.39	0.00	330.08	776.19	0.00	0.00	0.00	218.24
				3	329.12	1.29	0.00	329.12	776.19	0.00	0.00	0.00	218.26
				4	328.21	1.29	0.00	328.21	776.19	0.00	0.00	0.00	218.26
				5	304.97	0.96	0.00	304.97	776.19	0.00	0.00	0.00	218.32
				6	306.51	0.97	0.00	306.51	776.19	0.00	0.00	0.00	218.32
				7	304.91	0.81	0.00	304.91	776.19	0.00	0.00	0.00	218.35
				8	303.38	0.80	0.00	303.38	776.19	0.00	0.00	0.00	218.35
				25	245.89	0.94	0.00	245.89	776.19	0.00	0.00	0.00	218.27
				26	246.51	0.94	0.00	246.51	776.19	0.00	0.00	0.00	218.27
				27	245.87	0.88	0.00	245.87	776.19	0.00	0.00	0.00	218.29
				28	245.26	0.88	0.00	245.26	776.19	0.00	0.00	0.00	218.29
				29	229.77	0.66	0.00	229.77	776.19	0.00	0.00	0.00	218.34
				30	230.79	0.66	0.00	230.79	776.19	0.00	0.00	0.00	218.34
				31	229.72	0.55	0.00	229.72	776.19	0.00	0.00	0.00	218.37
				32	228.71	0.55	0.00	228.71	776.19	0.00	0.00	0.00	218.37
				33	220.08	0.42	0.00	220.08	776.19	0.00	0.00	0.00	218.41
				34	213.63	0.31	0.00	213.63	776.19	0.00	0.00	0.00	218.44
				35	213.83	0.31	0.00	213.83	776.19	0.00	0.00	0.00	218.44
				36	213.62	0.29	0.00	213.62	776.19	0.00	0.00	0.00	218.45
				37	213.41	0.29	0.00	213.41	776.19	0.00	0.00	0.00	218.45
				38	213.62	0.30	0.00	213.62	776.19	0.00	0.00	0.00	218.44
40,41	0.800	6.230	0.800	1	345.48	2.71	0.00	345.48	804.60	0.00	0.00	0.00	225.97
				2	346.49	2.72	0.00	346.49	804.60	0.00	0.00	0.00	225.97
				3	345.28	2.57	0.00	345.28	804.60	0.00	0.00	0.00	226.00
				4	344.27	2.55	0.00	344.27	804.60	0.00	0.00	0.00	226.01
				5	318.98	1.81	0.00	318.98	804.60	0.00	0.00	0.00	226.13
				6	320.66	1.83	0.00	320.66	804.60	0.00	0.00	0.00	226.13
				7	318.65	1.59	0.00	318.65	804.60	0.00	0.00	0.00	226.18
				8	316.96	1.54	0.00	316.96	804.60	0.00	0.00	0.00	226.19
				25	257.78	1.83	0.00	257.78	804.60	0.00	0.00	0.00	226.03
				26	258.46	1.84	0.00	258.46	804.60	0.00	0.00	0.00	226.03
				27	257.65	1.74	0.00	257.65	804.60	0.00	0.00	0.00	226.05
				28	256.98	1.72	0.00	256.98	804.60	0.00	0.00	0.00	226.06
				29	240.12	1.24	0.00	240.12	804.60	0.00	0.00	0.00	226.17
				30	241.24	1.25	0.00	241.24	804.60	0.00	0.00	0.00	226.17
				31	239.90	1.08	0.00	239.90	804.60	0.00	0.00	0.00	226.22
				32	238.77	1.05	0.00	238.77	804.60	0.00	0.00	0.00	226.22
				33	229.38	0.76	0.00	229.38	804.60	0.00	0.00	0.00	226.30
				34	222.32	0.53	0.00	222.32	804.60	0.00	0.00	0.00	226.37
				35	222.54	0.53	0.00	222.54	804.60	0.00	0.00	0.00	226.37
				36	222.28	0.50	0.00	222.28	804.60	0.00	0.00	0.00	226.38
				37	222.05	0.49	0.00	222.05	804.60	0.00	0.00	0.00	226.38
				38	222.30	0.51	0.00	222.30	804.60	0.00	0.00	0.00	226.38
39,40	0.800	6.385	0.800	1	353.93	-2.64	-0.00	353.93	824.62	0.00	0.00	0.00	231.64
				2	354.83	-2.92	-0.00	354.83	824.62	0.00	0.00	0.00	231.58
				3	353.49	-3.01	-0.00	353.49	824.62	0.00	0.00	0.00	231.56
				4	352.46	-2.85	-0.00	352.46	824.62	0.00	0.00	0.00	231.59
				5	326.95	-1.43	-0.00	326.95	824.62	0.00	0.00	0.00	231.86
				6	328.45	-1.91	-0.00	328.45	824.62	0.00	0.00	0.00	231.76
				7	326.21	-2.06	-0.00	326.21	824.62	0.00	0.00	0.00	231.72
				8	324.49	-1.78	-0.00	324.49	824.62	0.00	0.00	0.00	231.78

				25	264.10	-1.78	-0.00	264.10	824.62	0.00	0.00	0.00	231.69
				26	264.70	-1.97	-0.00	264.70	824.62	0.00	0.00	0.00	231.64
				27	263.80	-2.03	-0.00	263.80	824.62	0.00	0.00	0.00	231.62
				28	263.11	-1.92	-0.00	263.11	824.62	0.00	0.00	0.00	231.65
				29	246.11	-0.98	-0.00	246.11	824.62	0.00	0.00	0.00	231.89
				30	247.11	-1.30	-0.00	247.11	824.62	0.00	0.00	0.00	231.80
				31	245.62	-1.40	-0.00	245.62	824.62	0.00	0.00	0.00	231.77
				32	244.47	-1.21	-0.00	244.47	824.62	0.00	0.00	0.00	231.82
				33	234.90	-0.85	-0.00	234.90	824.62	0.00	0.00	0.00	231.92
				34	227.71	-0.52	-0.00	227.71	824.62	0.00	0.00	0.00	232.02
				35	227.91	-0.58	-0.00	227.91	824.62	0.00	0.00	0.00	232.00
				36	227.62	-0.60	-0.00	227.62	824.62	0.00	0.00	0.00	231.99
				37	227.39	-0.56	-0.00	227.39	824.62	0.00	0.00	0.00	232.00
				38	227.65	-0.57	-0.00	227.65	824.62	0.00	0.00	0.00	232.00
4,39	0.800	6.385	0.800	1	341.17	-9.14	-0.00	341.17	824.62	0.00	0.00	0.00	230.23
				2	342.18	-8.38	-0.00	342.18	824.62	0.00	0.00	0.00	230.40
				3	341.13	-7.88	-0.00	341.13	824.62	0.00	0.00	0.00	230.50
				4	339.98	-8.33	-0.00	339.98	824.62	0.00	0.00	0.00	230.40
				5	319.42	-5.55	-0.00	319.42	824.62	0.00	0.00	0.00	230.92
				6	321.10	-4.29	-0.00	321.10	824.62	0.00	0.00	0.00	231.21
				7	319.35	-3.45	-0.00	319.35	824.62	0.00	0.00	0.00	231.40
				8	317.43	-4.20	-0.00	317.43	824.62	0.00	0.00	0.00	231.22
				25	255.52	-6.11	-0.00	255.52	824.62	0.00	0.00	0.00	230.44
				26	256.19	-5.61	-0.00	256.19	824.62	0.00	0.00	0.00	230.59
				27	255.49	-5.27	-0.00	255.49	824.62	0.00	0.00	0.00	230.68
				28	254.73	-5.57	-0.00	254.73	824.62	0.00	0.00	0.00	230.59
				29	241.02	-3.72	-0.00	241.02	824.62	0.00	0.00	0.00	231.06
				30	242.14	-2.88	-0.00	242.14	824.62	0.00	0.00	0.00	231.32
				31	240.97	-2.32	-0.00	240.97	824.62	0.00	0.00	0.00	231.48
				32	239.69	-2.82	-0.00	239.69	824.62	0.00	0.00	0.00	231.33
				33	232.19	-1.17	-0.00	232.19	824.62	0.00	0.00	0.00	231.82
				34	226.39	-0.24	-0.00	226.39	824.62	0.00	0.00	0.00	232.10
				35	226.62	-0.08	-0.00	226.62	824.62	0.00	0.00	0.00	232.16
				36	226.38	0.03	0.00	226.38	824.62	0.00	0.00	0.00	232.17
				37	226.13	-0.06	-0.00	226.13	824.62	0.00	0.00	0.00	232.16
				38	226.37	-0.06	-0.00	226.37	824.62	0.00	0.00	0.00	232.16
38,4	0.800	1.340	0.800	1	70.31	-0.02	-0.00	70.31	173.06	0.00	0.00	0.00	48.71
				2	70.95	0.01	0.00	70.95	173.06	0.00	0.00	0.00	48.72
				3	70.96	0.03	0.00	70.96	173.06	0.00	0.00	0.00	48.70
				4	70.47	0.01	0.00	70.47	173.06	0.00	0.00	0.00	48.72
				5	66.18	-0.02	-0.00	66.18	173.06	0.00	0.00	0.00	48.70
				6	67.23	0.03	0.00	67.23	173.06	0.00	0.00	0.00	48.70
				7	67.25	0.05	0.00	67.25	173.06	0.00	0.00	0.00	48.67
				8	66.44	0.02	0.00	66.44	173.06	0.00	0.00	0.00	48.70
				25	52.78	-0.01	-0.00	52.78	173.06	0.00	0.00	0.00	48.71
				26	53.20	0.01	0.00	53.20	173.06	0.00	0.00	0.00	48.72
				27	53.21	0.02	0.00	53.21	173.06	0.00	0.00	0.00	48.70
				28	52.88	0.01	0.00	52.88	173.06	0.00	0.00	0.00	48.72
				29	50.02	-0.01	-0.00	50.02	173.06	0.00	0.00	0.00	48.71
				30	50.72	0.02	0.00	50.72	173.06	0.00	0.00	0.00	48.70
				31	50.73	0.04	0.00	50.73	173.06	0.00	0.00	0.00	48.67
				32	50.19	0.02	0.00	50.19	173.06	0.00	0.00	0.00	48.70
				33	48.92	0.02	0.00	48.92	173.06	0.00	0.00	0.00	48.69
				34	47.80	0.02	0.00	47.80	173.06	0.00	0.00	0.00	48.69
				35	47.94	0.03	0.00	47.94	173.06	0.00	0.00	0.00	48.68
				36	47.94	0.03	0.00	47.94	173.06	0.00	0.00	0.00	48.68
				37	47.83	0.03	0.00	47.83	173.06	0.00	0.00	0.00	48.68
				38	47.88	0.03	0.00	47.88	173.06	0.00	0.00	0.00	48.68
36,37	0.800	1.340	0.800	1	75.18	-0.12	-0.00	75.18	173.06	0.00	0.00	0.00	48.62
				2	75.02	-0.10	-0.00	75.02	173.06	0.00	0.00	0.00	48.63
				3	74.57	-0.07	-0.00	74.57	173.06	0.00	0.00	0.00	48.66
				4	75.00	-0.10	-0.00	75.00	173.06	0.00	0.00	0.00	48.63
				5	69.49	-0.11	-0.00	69.49	173.06	0.00	0.00	0.00	48.61
				6	69.21	-0.09	-0.00	69.21	173.06	0.00	0.00	0.00	48.63

				7	68.47	-0.03	-0.00	68.47	173.06	0.00	0.00	0.00	48.70
				8	69.18	-0.09	-0.00	69.18	173.06	0.00	0.00	0.00	48.63
				25	56.10	-0.08	-0.00	56.10	173.06	0.00	0.00	0.00	48.62
				26	55.99	-0.07	-0.00	55.99	173.06	0.00	0.00	0.00	48.64
				27	55.69	-0.05	-0.00	55.69	173.06	0.00	0.00	0.00	48.67
				28	55.98	-0.07	-0.00	55.98	173.06	0.00	0.00	0.00	48.63
				29	52.30	-0.08	-0.00	52.30	173.06	0.00	0.00	0.00	48.62
				30	52.12	-0.06	-0.00	52.12	173.06	0.00	0.00	0.00	48.64
				31	51.62	-0.02	-0.00	51.62	173.06	0.00	0.00	0.00	48.70
				32	52.10	-0.06	-0.00	52.10	173.06	0.00	0.00	0.00	48.64
				33	49.78	-0.06	-0.00	49.78	173.06	0.00	0.00	0.00	48.65
				34	48.27	-0.05	-0.00	48.27	173.06	0.00	0.00	0.00	48.65
				35	48.23	-0.05	-0.00	48.23	173.06	0.00	0.00	0.00	48.65
				36	48.14	-0.04	-0.00	48.14	173.06	0.00	0.00	0.00	48.66
				37	48.23	-0.05	-0.00	48.23	173.06	0.00	0.00	0.00	48.65
				38	48.23	-0.05	-0.00	48.23	173.06	0.00	0.00	0.00	48.65
35,36	0.800	6.010	0.800	1	324.96	-7.91	-0.00	324.96	776.19	0.00	0.00	0.00	216.77
				2	325.06	-7.55	-0.00	325.06	776.19	0.00	0.00	0.00	216.86
				3	325.24	-6.77	-0.00	325.24	776.19	0.00	0.00	0.00	217.03
				4	324.81	-7.72	-0.00	324.81	776.19	0.00	0.00	0.00	216.82
				5	300.74	-6.97	-0.00	300.74	776.19	0.00	0.00	0.00	216.86
				6	300.90	-6.37	-0.00	300.90	776.19	0.00	0.00	0.00	217.01
				7	301.20	-5.06	-0.00	301.20	776.19	0.00	0.00	0.00	217.32
				8	300.49	-6.64	-0.00	300.49	776.19	0.00	0.00	0.00	216.94
				25	243.21	-5.45	-0.00	243.21	776.19	0.00	0.00	0.00	216.92
				26	243.27	-5.21	-0.00	243.27	776.19	0.00	0.00	0.00	216.99
				27	243.39	-4.68	-0.00	243.39	776.19	0.00	0.00	0.00	217.15
				28	243.11	-5.32	-0.00	243.11	776.19	0.00	0.00	0.00	216.96
				29	227.06	-4.82	-0.00	227.06	776.19	0.00	0.00	0.00	217.00
				30	227.17	-4.42	-0.00	227.17	776.19	0.00	0.00	0.00	217.13
				31	227.37	-3.55	-0.00	227.37	776.19	0.00	0.00	0.00	217.41
				32	226.90	-4.60	-0.00	226.90	776.19	0.00	0.00	0.00	217.07
				33	217.38	-4.02	-0.00	217.38	776.19	0.00	0.00	0.00	217.20
				34	210.92	-3.78	-0.00	210.92	776.19	0.00	0.00	0.00	217.24
				35	210.94	-3.70	-0.00	210.94	776.19	0.00	0.00	0.00	217.27
				36	210.98	-3.52	-0.00	210.98	776.19	0.00	0.00	0.00	217.33
				37	210.89	-3.73	-0.00	210.89	776.19	0.00	0.00	0.00	217.26
				38	210.92	-3.71	-0.00	210.92	776.19	0.00	0.00	0.00	217.27
34,35	0.800	6.010	0.800	1	316.26	-1.28	-0.00	316.26	776.19	0.00	0.00	0.00	218.25
				2	316.54	-1.36	-0.00	316.54	776.19	0.00	0.00	0.00	218.23
				3	316.79	-1.69	-0.00	316.79	776.19	0.00	0.00	0.00	218.16
				4	316.11	-1.39	-0.00	316.11	776.19	0.00	0.00	0.00	218.22
				5	293.36	-0.93	-0.00	293.36	776.19	0.00	0.00	0.00	218.32
				6	293.84	-1.07	-0.00	293.84	776.19	0.00	0.00	0.00	218.28
				7	294.25	-1.61	-0.00	294.25	776.19	0.00	0.00	0.00	218.15
				8	293.11	-1.12	-0.00	293.11	776.19	0.00	0.00	0.00	218.27
				25	237.21	-0.88	-0.00	237.21	776.19	0.00	0.00	0.00	218.28
				26	237.40	-0.94	-0.00	237.40	776.19	0.00	0.00	0.00	218.26
				27	237.57	-1.16	-0.00	237.57	776.19	0.00	0.00	0.00	218.19
				28	237.11	-0.96	-0.00	237.11	776.19	0.00	0.00	0.00	218.25
				29	221.95	-0.65	-0.00	221.95	776.19	0.00	0.00	0.00	218.33
				30	222.27	-0.74	-0.00	222.27	776.19	0.00	0.00	0.00	218.30
				31	222.54	-1.10	-0.00	222.54	776.19	0.00	0.00	0.00	218.18
				32	221.78	-0.78	-0.00	221.78	776.19	0.00	0.00	0.00	218.29
				33	212.97	-0.64	-0.00	212.97	776.19	0.00	0.00	0.00	218.33
				34	206.86	-0.54	-0.00	206.86	776.19	0.00	0.00	0.00	218.35
				35	206.92	-0.56	-0.00	206.92	776.19	0.00	0.00	0.00	218.35
				36	206.98	-0.63	-0.00	206.98	776.19	0.00	0.00	0.00	218.32
				37	206.82	-0.57	-0.00	206.82	776.19	0.00	0.00	0.00	218.35
				38	206.89	-0.56	-0.00	206.89	776.19	0.00	0.00	0.00	218.35
33,34	0.800	6.010	0.800	1	315.69	0.61	0.00	315.69	776.19	0.00	0.00	0.00	218.40
				2	315.88	0.55	0.00	315.88	776.19	0.00	0.00	0.00	218.42
				3	315.74	0.45	0.00	315.74	776.19	0.00	0.00	0.00	218.44
				4	315.42	0.56	0.00	315.42	776.19	0.00	0.00	0.00	218.42

				5	293.08	0.51	0.00	293.08	776.19	0.00	0.00	0.00	218.42
				6	293.38	0.42	0.00	293.38	776.19	0.00	0.00	0.00	218.44
				7	293.15	0.24	0.00	293.15	776.19	0.00	0.00	0.00	218.48
				8	292.63	0.43	0.00	292.63	776.19	0.00	0.00	0.00	218.44
				25	236.82	0.42	0.00	236.82	776.19	0.00	0.00	0.00	218.42
				26	236.95	0.38	0.00	236.95	776.19	0.00	0.00	0.00	218.43
				27	236.85	0.31	0.00	236.85	776.19	0.00	0.00	0.00	218.45
				28	236.64	0.38	0.00	236.64	776.19	0.00	0.00	0.00	218.43
				29	221.75	0.35	0.00	221.75	776.19	0.00	0.00	0.00	218.43
				30	221.95	0.29	0.00	221.95	776.19	0.00	0.00	0.00	218.45
				31	221.79	0.17	0.00	221.79	776.19	0.00	0.00	0.00	218.49
				32	221.45	0.30	0.00	221.45	776.19	0.00	0.00	0.00	218.45
				33	212.73	0.24	0.00	212.73	776.19	0.00	0.00	0.00	218.46
				34	206.70	0.21	0.00	206.70	776.19	0.00	0.00	0.00	218.47
				35	206.74	0.20	0.00	206.74	776.19	0.00	0.00	0.00	218.47
				36	206.70	0.18	0.00	206.70	776.19	0.00	0.00	0.00	218.48
				37	206.64	0.20	0.00	206.64	776.19	0.00	0.00	0.00	218.47
				38	206.70	0.20	0.00	206.70	776.19	0.00	0.00	0.00	218.47
32,33	0.800	6.010	0.800	1	319.61	4.00	0.00	319.61	776.19	0.00	0.00	0.00	217.64
				2	319.66	3.84	0.00	319.66	776.19	0.00	0.00	0.00	217.67
				3	319.42	3.78	0.00	319.42	776.19	0.00	0.00	0.00	217.69
				4	319.25	3.90	0.00	319.25	776.19	0.00	0.00	0.00	217.66
				5	295.85	2.78	0.00	295.85	776.19	0.00	0.00	0.00	217.86
				6	295.93	2.52	0.00	295.93	776.19	0.00	0.00	0.00	217.93
				7	295.52	2.41	0.00	295.52	776.19	0.00	0.00	0.00	217.95
				8	295.25	2.62	0.00	295.25	776.19	0.00	0.00	0.00	217.90
				25	239.49	2.72	0.00	239.49	776.19	0.00	0.00	0.00	217.72
				26	239.53	2.62	0.00	239.53	776.19	0.00	0.00	0.00	217.75
				27	239.36	2.58	0.00	239.36	776.19	0.00	0.00	0.00	217.76
				28	239.25	2.66	0.00	239.25	776.19	0.00	0.00	0.00	217.74
				29	223.65	1.91	0.00	223.65	776.19	0.00	0.00	0.00	217.92
				30	223.71	1.74	0.00	223.71	776.19	0.00	0.00	0.00	217.98
				31	223.43	1.66	0.00	223.43	776.19	0.00	0.00	0.00	218.00
				32	223.25	1.81	0.00	223.25	776.19	0.00	0.00	0.00	217.96
				33	214.03	1.27	0.00	214.03	776.19	0.00	0.00	0.00	218.11
				34	207.70	0.95	0.00	207.70	776.19	0.00	0.00	0.00	218.21
				35	207.71	0.91	0.00	207.71	776.19	0.00	0.00	0.00	218.23
				36	207.65	0.90	0.00	207.65	776.19	0.00	0.00	0.00	218.23
				37	207.62	0.93	0.00	207.62	776.19	0.00	0.00	0.00	218.22
				38	207.68	0.92	0.00	207.68	776.19	0.00	0.00	0.00	218.22
31,32	0.800	6.230	0.800	1	341.36	3.13	0.00	341.36	804.60	0.00	0.00	0.00	225.88
				2	340.91	2.83	0.00	340.91	804.60	0.00	0.00	0.00	225.94
				3	340.83	3.14	0.00	340.83	804.60	0.00	0.00	0.00	225.87
				4	341.01	3.31	0.00	341.01	804.60	0.00	0.00	0.00	225.84
				5	313.64	2.21	0.00	313.64	804.60	0.00	0.00	0.00	226.03
				6	312.89	1.72	0.00	312.89	804.60	0.00	0.00	0.00	226.15
				7	312.76	2.24	0.00	312.76	804.60	0.00	0.00	0.00	226.02
				8	313.06	2.51	0.00	313.06	804.60	0.00	0.00	0.00	225.96
				25	255.14	2.17	0.00	255.14	804.60	0.00	0.00	0.00	225.93
				26	254.83	1.97	0.00	254.83	804.60	0.00	0.00	0.00	225.98
				27	254.78	2.18	0.00	254.78	804.60	0.00	0.00	0.00	225.92
				28	254.90	2.29	0.00	254.90	804.60	0.00	0.00	0.00	225.89
				29	236.66	1.56	0.00	236.66	804.60	0.00	0.00	0.00	226.07
				30	236.16	1.23	0.00	236.16	804.60	0.00	0.00	0.00	226.17
				31	236.07	1.58	0.00	236.07	804.60	0.00	0.00	0.00	226.06
				32	236.27	1.76	0.00	236.27	804.60	0.00	0.00	0.00	226.00
				33	225.19	1.16	0.00	225.19	804.60	0.00	0.00	0.00	226.17
				34	217.82	0.92	0.00	217.82	804.60	0.00	0.00	0.00	226.24
				35	217.72	0.85	0.00	217.72	804.60	0.00	0.00	0.00	226.26
				36	217.70	0.92	0.00	217.70	804.60	0.00	0.00	0.00	226.24
				37	217.74	0.96	0.00	217.74	804.60	0.00	0.00	0.00	226.23
				38	217.76	0.91	0.00	217.76	804.60	0.00	0.00	0.00	226.24
3,31	0.800	12.770	0.800	1	647.24	-4.77	-0.00	647.24	1649.24	0.00	0.00	0.00	463.83
				2	645.38	-4.92	-0.00	645.38	1649.24	0.00	0.00	0.00	463.81

				3	645.64	-5.68	-0.00	645.64	1649.24	0.00	0.00	0.00	463.72
				4	646.22	-5.21	-0.00	646.22	1649.24	0.00	0.00	0.00	463.78
				5	611.77	7.02	0.00	611.77	1649.24	0.00	0.00	0.00	463.53
				6	608.67	6.76	0.00	608.67	1649.24	0.00	0.00	0.00	463.56
				7	609.10	5.49	0.00	609.10	1649.24	0.00	0.00	0.00	463.71
				8	610.07	6.27	0.00	610.07	1649.24	0.00	0.00	0.00	463.62
				25	487.50	-2.94	-0.00	487.50	1649.24	0.00	0.00	0.00	463.92
				26	486.26	-3.05	-0.00	486.26	1649.24	0.00	0.00	0.00	463.91
				27	486.44	-3.56	-0.00	486.44	1649.24	0.00	0.00	0.00	463.83
				28	486.83	-3.24	-0.00	486.83	1649.24	0.00	0.00	0.00	463.88
				29	463.86	4.91	0.00	463.86	1649.24	0.00	0.00	0.00	463.59
				30	461.79	4.74	0.00	461.79	1649.24	0.00	0.00	0.00	463.62
				31	462.08	3.89	0.00	462.08	1649.24	0.00	0.00	0.00	463.75
				32	462.73	4.41	0.00	462.73	1649.24	0.00	0.00	0.00	463.67
				33	448.00	9.19	0.00	448.00	1649.24	0.00	0.00	0.00	462.87
				34	438.59	12.35	0.00	438.59	1649.24	0.00	0.00	0.00	462.32
				35	438.18	12.32	0.00	438.18	1649.24	0.00	0.00	0.00	462.32
				36	438.24	12.14	0.00	438.24	1649.24	0.00	0.00	0.00	462.35
				37	438.37	12.25	0.00	438.37	1649.24	0.00	0.00	0.00	462.33
				38	438.32	12.28	0.00	438.32	1649.24	0.00	0.00	0.00	462.33
30,3	0.800	1.340	0.800	1	74.34	0.23	0.00	74.34	173.06	0.00	0.00	0.00	48.50
				2	74.91	0.28	0.00	74.91	173.06	0.00	0.00	0.00	48.45
				3	75.38	0.32	0.00	75.38	173.06	0.00	0.00	0.00	48.42
				4	75.01	0.28	0.00	75.01	173.06	0.00	0.00	0.00	48.45
				5	68.54	0.12	0.00	68.54	173.06	0.00	0.00	0.00	48.60
				6	69.49	0.22	0.00	69.49	173.06	0.00	0.00	0.00	48.50
				7	70.27	0.27	0.00	70.27	173.06	0.00	0.00	0.00	48.45
				8	69.66	0.22	0.00	69.66	173.06	0.00	0.00	0.00	48.50
				25	55.55	0.16	0.00	55.55	173.06	0.00	0.00	0.00	48.52
				26	55.93	0.19	0.00	55.93	173.06	0.00	0.00	0.00	48.48
				27	56.24	0.22	0.00	56.24	173.06	0.00	0.00	0.00	48.45
				28	56.00	0.19	0.00	56.00	173.06	0.00	0.00	0.00	48.48
				29	51.68	0.08	0.00	51.68	173.06	0.00	0.00	0.00	48.61
				30	52.32	0.15	0.00	52.32	173.06	0.00	0.00	0.00	48.52
				31	52.84	0.19	0.00	52.84	173.06	0.00	0.00	0.00	48.47
				32	52.43	0.15	0.00	52.43	173.06	0.00	0.00	0.00	48.52
				33	50.27	0.12	0.00	50.27	173.06	0.00	0.00	0.00	48.55
				34	48.70	0.09	0.00	48.70	173.06	0.00	0.00	0.00	48.59
				35	48.82	0.10	0.00	48.82	173.06	0.00	0.00	0.00	48.57
				36	48.93	0.11	0.00	48.93	173.06	0.00	0.00	0.00	48.56
				37	48.84	0.10	0.00	48.84	173.06	0.00	0.00	0.00	48.57
				38	48.84	0.10	0.00	48.84	173.06	0.00	0.00	0.00	48.57
28,29	0.800	1.340	0.800	1	75.18	-0.12	-0.00	75.18	173.06	0.00	0.00	0.00	48.62
				2	75.00	-0.10	-0.00	75.00	173.06	0.00	0.00	0.00	48.63
				3	74.57	-0.07	-0.00	74.57	173.06	0.00	0.00	0.00	48.66
				4	75.02	-0.10	-0.00	75.02	173.06	0.00	0.00	0.00	48.63
				5	69.48	-0.11	-0.00	69.48	173.06	0.00	0.00	0.00	48.61
				6	69.18	-0.09	-0.00	69.18	173.06	0.00	0.00	0.00	48.63
				7	68.47	-0.03	-0.00	68.47	173.06	0.00	0.00	0.00	48.70
				8	69.21	-0.09	-0.00	69.21	173.06	0.00	0.00	0.00	48.63
				25	56.10	-0.08	-0.00	56.10	173.06	0.00	0.00	0.00	48.62
				26	55.98	-0.07	-0.00	55.98	173.06	0.00	0.00	0.00	48.63
				27	55.69	-0.05	-0.00	55.69	173.06	0.00	0.00	0.00	48.67
				28	55.99	-0.07	-0.00	55.99	173.06	0.00	0.00	0.00	48.64
				29	52.30	-0.08	-0.00	52.30	173.06	0.00	0.00	0.00	48.62
				30	52.10	-0.06	-0.00	52.10	173.06	0.00	0.00	0.00	48.64
				31	51.62	-0.02	-0.00	51.62	173.06	0.00	0.00	0.00	48.70
				32	52.12	-0.06	-0.00	52.12	173.06	0.00	0.00	0.00	48.64
				33	49.78	-0.06	-0.00	49.78	173.06	0.00	0.00	0.00	48.65
				34	48.27	-0.05	-0.00	48.27	173.06	0.00	0.00	0.00	48.65
				35	48.23	-0.05	-0.00	48.23	173.06	0.00	0.00	0.00	48.65
				36	48.14	-0.04	-0.00	48.14	173.06	0.00	0.00	0.00	48.66
				37	48.24	-0.05	-0.00	48.24	173.06	0.00	0.00	0.00	48.65
				38	48.23	-0.05	-0.00	48.23	173.06	0.00	0.00	0.00	48.65

27,28	0.800	6.010	0.800	1	325.13	-7.71	-0.00	325.13	776.19	0.00	0.00	0.00	216.82
				2	324.98	-7.52	-0.00	324.98	776.19	0.00	0.00	0.00	216.86
				3	325.41	-6.57	-0.00	325.41	776.19	0.00	0.00	0.00	217.08
				4	325.23	-7.35	-0.00	325.23	776.19	0.00	0.00	0.00	216.90
				5	300.85	-6.84	-0.00	300.85	776.19	0.00	0.00	0.00	216.89
				6	300.61	-6.51	-0.00	300.61	776.19	0.00	0.00	0.00	216.97
				7	301.33	-4.93	-0.00	301.33	776.19	0.00	0.00	0.00	217.35
				8	301.02	-6.24	-0.00	301.02	776.19	0.00	0.00	0.00	217.04
				25	243.32	-5.31	-0.00	243.32	776.19	0.00	0.00	0.00	216.96
				26	243.22	-5.18	-0.00	243.22	776.19	0.00	0.00	0.00	217.00
				27	243.51	-4.55	-0.00	243.51	776.19	0.00	0.00	0.00	217.19
				28	243.39	-5.07	-0.00	243.39	776.19	0.00	0.00	0.00	217.03
				29	227.14	-4.73	-0.00	227.14	776.19	0.00	0.00	0.00	217.03
				30	226.97	-4.51	-0.00	226.97	776.19	0.00	0.00	0.00	217.10
				31	227.46	-3.46	-0.00	227.46	776.19	0.00	0.00	0.00	217.44
				32	227.25	-4.32	-0.00	227.25	776.19	0.00	0.00	0.00	217.16
				33	217.44	-3.95	-0.00	217.44	776.19	0.00	0.00	0.00	217.22
				34	210.96	-3.73	-0.00	210.96	776.19	0.00	0.00	0.00	217.26
				35	210.93	-3.69	-0.00	210.93	776.19	0.00	0.00	0.00	217.27
				36	211.03	-3.48	-0.00	211.03	776.19	0.00	0.00	0.00	217.35
				37	210.99	-3.65	-0.00	210.99	776.19	0.00	0.00	0.00	217.29
				38	210.97	-3.66	-0.00	210.97	776.19	0.00	0.00	0.00	217.28
26,27	0.800	6.010	0.800	1	316.59	-1.27	-0.00	316.59	776.19	0.00	0.00	0.00	218.25
				2	316.44	-1.39	-0.00	316.44	776.19	0.00	0.00	0.00	218.23
				3	317.13	-1.69	-0.00	317.13	776.19	0.00	0.00	0.00	218.16
				4	316.88	-1.36	-0.00	316.88	776.19	0.00	0.00	0.00	218.23
				5	293.59	-0.92	-0.00	293.59	776.19	0.00	0.00	0.00	218.32
				6	293.33	-1.12	-0.00	293.33	776.19	0.00	0.00	0.00	218.27
				7	294.48	-1.61	-0.00	294.48	776.19	0.00	0.00	0.00	218.15
				8	294.07	-1.07	-0.00	294.07	776.19	0.00	0.00	0.00	218.28
				25	237.44	-0.88	-0.00	237.44	776.19	0.00	0.00	0.00	218.28
				26	237.34	-0.96	-0.00	237.34	776.19	0.00	0.00	0.00	218.25
				27	237.80	-1.15	-0.00	237.80	776.19	0.00	0.00	0.00	218.19
				28	237.63	-0.94	-0.00	237.63	776.19	0.00	0.00	0.00	218.26
				29	222.11	-0.64	-0.00	222.11	776.19	0.00	0.00	0.00	218.33
				30	221.93	-0.77	-0.00	221.93	776.19	0.00	0.00	0.00	218.29
				31	222.70	-1.10	-0.00	222.70	776.19	0.00	0.00	0.00	218.19
				32	222.43	-0.74	-0.00	222.43	776.19	0.00	0.00	0.00	218.30
				33	213.08	-0.64	-0.00	213.08	776.19	0.00	0.00	0.00	218.33
				34	206.94	-0.54	-0.00	206.94	776.19	0.00	0.00	0.00	218.36
				35	206.91	-0.57	-0.00	206.91	776.19	0.00	0.00	0.00	218.35
				36	207.06	-0.63	-0.00	207.06	776.19	0.00	0.00	0.00	218.32
				37	207.01	-0.56	-0.00	207.01	776.19	0.00	0.00	0.00	218.35
				38	206.97	-0.56	-0.00	206.97	776.19	0.00	0.00	0.00	218.35
25,26	0.800	6.010	0.800	1	316.04	0.63	0.00	316.04	776.19	0.00	0.00	0.00	218.40
				2	315.77	0.58	0.00	315.77	776.19	0.00	0.00	0.00	218.41
				3	316.09	0.46	0.00	316.09	776.19	0.00	0.00	0.00	218.44
				4	316.23	0.57	0.00	316.23	776.19	0.00	0.00	0.00	218.42
				5	293.32	0.52	0.00	293.32	776.19	0.00	0.00	0.00	218.42
				6	292.87	0.44	0.00	292.87	776.19	0.00	0.00	0.00	218.44
				7	293.39	0.25	0.00	293.39	776.19	0.00	0.00	0.00	218.48
				8	293.62	0.43	0.00	293.62	776.19	0.00	0.00	0.00	218.44
				25	237.06	0.43	0.00	237.06	776.19	0.00	0.00	0.00	218.41
				26	236.88	0.39	0.00	236.88	776.19	0.00	0.00	0.00	218.42
				27	237.09	0.32	0.00	237.09	776.19	0.00	0.00	0.00	218.45
				28	237.18	0.39	0.00	237.18	776.19	0.00	0.00	0.00	218.43
				29	221.91	0.36	0.00	221.91	776.19	0.00	0.00	0.00	218.43
				30	221.61	0.31	0.00	221.61	776.19	0.00	0.00	0.00	218.45
				31	221.96	0.18	0.00	221.96	776.19	0.00	0.00	0.00	218.49
				32	222.11	0.29	0.00	222.11	776.19	0.00	0.00	0.00	218.45
				33	212.85	0.24	0.00	212.85	776.19	0.00	0.00	0.00	218.46
				34	206.78	0.22	0.00	206.78	776.19	0.00	0.00	0.00	218.47
				35	206.72	0.21	0.00	206.72	776.19	0.00	0.00	0.00	218.47
				36	206.79	0.18	0.00	206.79	776.19	0.00	0.00	0.00	218.48

				37	206.83	0.20	0.00	206.83	776.19	0.00	0.00	0.00	218.47
				38	206.79	0.20	0.00	206.79	776.19	0.00	0.00	0.00	218.47
24,25	0.800	6.010	0.800	1	320.00	4.04	0.00	320.00	776.19	0.00	0.00	0.00	217.63
				2	319.64	3.94	0.00	319.64	776.19	0.00	0.00	0.00	217.65
				3	319.80	3.82	0.00	319.80	776.19	0.00	0.00	0.00	217.68
				4	320.05	3.88	0.00	320.05	776.19	0.00	0.00	0.00	217.66
				5	296.11	2.81	0.00	296.11	776.19	0.00	0.00	0.00	217.86
				6	295.52	2.65	0.00	295.52	776.19	0.00	0.00	0.00	217.89
				7	295.78	2.43	0.00	295.78	776.19	0.00	0.00	0.00	217.95
				8	296.19	2.55	0.00	296.19	776.19	0.00	0.00	0.00	217.92
				25	239.76	2.75	0.00	239.76	776.19	0.00	0.00	0.00	217.71
				26	239.52	2.69	0.00	239.52	776.19	0.00	0.00	0.00	217.73
				27	239.63	2.60	0.00	239.63	776.19	0.00	0.00	0.00	217.76
				28	239.79	2.65	0.00	239.79	776.19	0.00	0.00	0.00	217.74
				29	223.83	1.93	0.00	223.83	776.19	0.00	0.00	0.00	217.92
				30	223.44	1.82	0.00	223.44	776.19	0.00	0.00	0.00	217.95
				31	223.61	1.68	0.00	223.61	776.19	0.00	0.00	0.00	218.00
				32	223.89	1.76	0.00	223.89	776.19	0.00	0.00	0.00	217.97
				33	214.16	1.28	0.00	214.16	776.19	0.00	0.00	0.00	218.11
				34	207.79	0.96	0.00	207.79	776.19	0.00	0.00	0.00	218.21
				35	207.71	0.94	0.00	207.71	776.19	0.00	0.00	0.00	218.22
				36	207.75	0.91	0.00	207.75	776.19	0.00	0.00	0.00	218.23
				37	207.80	0.92	0.00	207.80	776.19	0.00	0.00	0.00	218.22
				38	207.78	0.93	0.00	207.78	776.19	0.00	0.00	0.00	218.22
23,24	0.800	6.230	0.800	1	342.10	3.43	0.00	342.10	804.60	0.00	0.00	0.00	225.82
				2	341.75	3.61	0.00	341.75	804.60	0.00	0.00	0.00	225.78
				3	341.57	3.44	0.00	341.57	804.60	0.00	0.00	0.00	225.81
				4	341.65	3.13	0.00	341.65	804.60	0.00	0.00	0.00	225.88
				5	314.14	2.41	0.00	314.14	804.60	0.00	0.00	0.00	225.99
				6	313.55	2.71	0.00	313.55	804.60	0.00	0.00	0.00	225.92
				7	313.26	2.44	0.00	313.26	804.60	0.00	0.00	0.00	225.98
				8	313.39	1.92	0.00	313.39	804.60	0.00	0.00	0.00	226.10
				25	255.64	2.37	0.00	255.64	804.60	0.00	0.00	0.00	225.87
				26	255.40	2.49	0.00	255.40	804.60	0.00	0.00	0.00	225.84
				27	255.29	2.38	0.00	255.29	804.60	0.00	0.00	0.00	225.87
				28	255.34	2.17	0.00	255.34	804.60	0.00	0.00	0.00	225.93
				29	237.00	1.69	0.00	237.00	804.60	0.00	0.00	0.00	226.03
				30	236.61	1.89	0.00	236.61	804.60	0.00	0.00	0.00	225.96
				31	236.41	1.71	0.00	236.41	804.60	0.00	0.00	0.00	226.02
				32	236.50	1.36	0.00	236.50	804.60	0.00	0.00	0.00	226.13
				33	225.44	1.25	0.00	225.44	804.60	0.00	0.00	0.00	226.14
				34	217.99	0.98	0.00	217.99	804.60	0.00	0.00	0.00	226.22
				35	217.92	1.02	0.00	217.92	804.60	0.00	0.00	0.00	226.20
				36	217.88	0.99	0.00	217.88	804.60	0.00	0.00	0.00	226.22
				37	217.89	0.92	0.00	217.89	804.60	0.00	0.00	0.00	226.24
				38	217.93	0.98	0.00	217.93	804.60	0.00	0.00	0.00	226.22
2,23	0.800	12.770	0.800	1	648.50	-5.79	-0.00	648.50	1649.24	0.00	0.00	0.00	463.71
				2	647.48	-6.23	-0.00	647.48	1649.24	0.00	0.00	0.00	463.66
				3	646.90	-6.71	-0.00	646.90	1649.24	0.00	0.00	0.00	463.61
				4	646.64	-5.95	-0.00	646.64	1649.24	0.00	0.00	0.00	463.69
				5	612.61	6.35	0.00	612.61	1649.24	0.00	0.00	0.00	463.61
				6	610.92	5.61	0.00	610.92	1649.24	0.00	0.00	0.00	463.70
				7	609.94	4.81	0.00	609.94	1649.24	0.00	0.00	0.00	463.79
				8	609.51	6.08	0.00	609.51	1649.24	0.00	0.00	0.00	463.64
				25	488.36	-3.64	-0.00	488.36	1649.24	0.00	0.00	0.00	463.82
				26	487.68	-3.93	-0.00	487.68	1649.24	0.00	0.00	0.00	463.78
				27	487.30	-4.25	-0.00	487.30	1649.24	0.00	0.00	0.00	463.73
				28	487.12	-3.75	-0.00	487.12	1649.24	0.00	0.00	0.00	463.80
				29	464.44	4.45	0.00	464.44	1649.24	0.00	0.00	0.00	463.67
				30	463.31	3.96	0.00	463.31	1649.24	0.00	0.00	0.00	463.74
				31	462.66	3.43	0.00	462.66	1649.24	0.00	0.00	0.00	463.83
				32	462.37	4.27	0.00	462.37	1649.24	0.00	0.00	0.00	463.69
				33	448.41	8.87	0.00	448.41	1649.24	0.00	0.00	0.00	462.92
				34	438.90	12.12	0.00	438.90	1649.24	0.00	0.00	0.00	462.36

				35	438.67	12.02	0.00	438.67	1649.24	0.00	0.00	0.00	462.37
				36	438.54	11.92	0.00	438.54	1649.24	0.00	0.00	0.00	462.39
				37	438.48	12.09	0.00	438.48	1649.24	0.00	0.00	0.00	462.36
				38	438.63	12.05	0.00	438.63	1649.24	0.00	0.00	0.00	462.37
22,2	0.800	1.340	0.800	1	74.49	0.23	0.00	74.49	173.06	0.00	0.00	0.00	48.50
				2	75.16	0.29	0.00	75.16	173.06	0.00	0.00	0.00	48.45
				3	75.53	0.32	0.00	75.53	173.06	0.00	0.00	0.00	48.42
				4	75.06	0.29	0.00	75.06	173.06	0.00	0.00	0.00	48.45
				5	68.64	0.12	0.00	68.64	173.06	0.00	0.00	0.00	48.60
				6	69.76	0.22	0.00	69.76	173.06	0.00	0.00	0.00	48.50
				7	70.37	0.27	0.00	70.37	173.06	0.00	0.00	0.00	48.44
				8	69.59	0.22	0.00	69.59	173.06	0.00	0.00	0.00	48.50
				25	55.65	0.16	0.00	55.65	173.06	0.00	0.00	0.00	48.52
				26	56.10	0.20	0.00	56.10	173.06	0.00	0.00	0.00	48.47
				27	56.34	0.22	0.00	56.34	173.06	0.00	0.00	0.00	48.45
				28	56.03	0.20	0.00	56.03	173.06	0.00	0.00	0.00	48.47
				29	51.75	0.09	0.00	51.75	173.06	0.00	0.00	0.00	48.61
				30	52.50	0.15	0.00	52.50	173.06	0.00	0.00	0.00	48.52
				31	52.91	0.19	0.00	52.91	173.06	0.00	0.00	0.00	48.47
				32	52.39	0.15	0.00	52.39	173.06	0.00	0.00	0.00	48.52
				33	50.32	0.12	0.00	50.32	173.06	0.00	0.00	0.00	48.55
				34	48.73	0.09	0.00	48.73	173.06	0.00	0.00	0.00	48.59
				35	48.88	0.10	0.00	48.88	173.06	0.00	0.00	0.00	48.57
				36	48.96	0.11	0.00	48.96	173.06	0.00	0.00	0.00	48.56
				37	48.86	0.10	0.00	48.86	173.06	0.00	0.00	0.00	48.57
				38	48.88	0.10	0.00	48.88	173.06	0.00	0.00	0.00	48.57
20,21	0.800	1.340	0.800	1	70.33	-0.07	-0.00	70.33	173.06	0.00	0.00	0.00	48.65
				2	70.00	-0.06	-0.00	70.00	173.06	0.00	0.00	0.00	48.66
				3	69.82	-0.04	-0.00	69.82	173.06	0.00	0.00	0.00	48.69
				4	70.32	-0.06	-0.00	70.32	173.06	0.00	0.00	0.00	48.66
				5	66.57	-0.07	-0.00	66.57	173.06	0.00	0.00	0.00	48.65
				6	66.01	-0.06	-0.00	66.01	173.06	0.00	0.00	0.00	48.67
				7	65.72	-0.02	-0.00	65.72	173.06	0.00	0.00	0.00	48.71
				8	66.54	-0.06	-0.00	66.54	173.06	0.00	0.00	0.00	48.67
				25	52.80	-0.05	-0.00	52.80	173.06	0.00	0.00	0.00	48.66
				26	52.58	-0.04	-0.00	52.58	173.06	0.00	0.00	0.00	48.67
				27	52.46	-0.03	-0.00	52.46	173.06	0.00	0.00	0.00	48.69
				28	52.79	-0.04	-0.00	52.79	173.06	0.00	0.00	0.00	48.67
				29	50.29	-0.05	-0.00	50.29	173.06	0.00	0.00	0.00	48.65
				30	49.92	-0.04	-0.00	49.92	173.06	0.00	0.00	0.00	48.67
				31	49.73	-0.01	-0.00	49.73	173.06	0.00	0.00	0.00	48.71
				32	50.27	-0.04	-0.00	50.27	173.06	0.00	0.00	0.00	48.67
				33	48.56	-0.04	-0.00	48.56	173.06	0.00	0.00	0.00	48.67
				34	47.57	-0.04	-0.00	47.57	173.06	0.00	0.00	0.00	48.67
				35	47.49	-0.03	-0.00	47.49	173.06	0.00	0.00	0.00	48.67
				36	47.45	-0.03	-0.00	47.45	173.06	0.00	0.00	0.00	48.68
				37	47.56	-0.03	-0.00	47.56	173.06	0.00	0.00	0.00	48.67
				38	47.53	-0.03	-0.00	47.53	173.06	0.00	0.00	0.00	48.67
19,20	0.800	6.010	0.800	1	308.67	-3.57	-0.00	308.67	776.19	0.00	0.00	0.00	217.70
				2	307.85	-3.30	-0.00	307.85	776.19	0.00	0.00	0.00	217.77
				3	308.60	-2.64	-0.00	308.60	776.19	0.00	0.00	0.00	217.92
				4	309.28	-3.24	-0.00	309.28	776.19	0.00	0.00	0.00	217.78
				5	292.14	-3.42	-0.00	292.14	776.19	0.00	0.00	0.00	217.69
				6	290.78	-2.96	-0.00	290.78	776.19	0.00	0.00	0.00	217.80
				7	292.02	-1.86	-0.00	292.02	776.19	0.00	0.00	0.00	218.08
				8	293.17	-2.86	-0.00	293.17	776.19	0.00	0.00	0.00	217.84
				25	232.12	-2.51	-0.00	232.12	776.19	0.00	0.00	0.00	217.76
				26	231.57	-2.33	-0.00	231.57	776.19	0.00	0.00	0.00	217.82
				27	232.07	-1.89	-0.00	232.07	776.19	0.00	0.00	0.00	217.95
				28	232.53	-2.29	-0.00	232.53	776.19	0.00	0.00	0.00	217.83
				29	221.10	-2.41	-0.00	221.10	776.19	0.00	0.00	0.00	217.75
				30	220.19	-2.10	-0.00	220.19	776.19	0.00	0.00	0.00	217.85
				31	221.02	-1.37	-0.00	221.02	776.19	0.00	0.00	0.00	218.09
				32	221.79	-2.04	-0.00	221.79	776.19	0.00	0.00	0.00	217.88

				33	214.39	-1.96	-0.00	214.39	776.19	0.00	0.00	0.00	217.88
				34	209.99	-1.93	-0.00	209.99	776.19	0.00	0.00	0.00	217.88
				35	209.80	-1.87	-0.00	209.80	776.19	0.00	0.00	0.00	217.90
				36	209.97	-1.73	-0.00	209.97	776.19	0.00	0.00	0.00	217.95
				37	210.12	-1.86	-0.00	210.12	776.19	0.00	0.00	0.00	217.90
				38	209.97	-1.87	-0.00	209.97	776.19	0.00	0.00	0.00	217.90
18,19	0.800	6.010	0.800	1	305.26	-0.15	-0.00	305.26	776.19	0.00	0.00	0.00	218.51
				2	304.54	-0.26	-0.00	304.54	776.19	0.00	0.00	0.00	218.48
				3	305.60	-0.40	-0.00	305.60	776.19	0.00	0.00	0.00	218.45
				4	306.15	-0.17	-0.00	306.15	776.19	0.00	0.00	0.00	218.51
				5	289.01	-0.07	-0.00	289.01	776.19	0.00	0.00	0.00	218.53
				6	287.82	-0.26	-0.00	287.82	776.19	0.00	0.00	0.00	218.48
				7	289.58	-0.48	-0.00	289.58	776.19	0.00	0.00	0.00	218.42
				8	290.50	-0.10	-0.00	290.50	776.19	0.00	0.00	0.00	218.52
				25	229.70	-0.12	-0.00	229.70	776.19	0.00	0.00	0.00	218.51
				26	229.22	-0.20	-0.00	229.22	776.19	0.00	0.00	0.00	218.48
				27	229.93	-0.29	-0.00	229.93	776.19	0.00	0.00	0.00	218.46
				28	230.30	-0.13	-0.00	230.30	776.19	0.00	0.00	0.00	218.50
				29	218.87	-0.07	-0.00	218.87	776.19	0.00	0.00	0.00	218.52
				30	218.07	-0.19	-0.00	218.07	776.19	0.00	0.00	0.00	218.48
				31	219.25	-0.34	-0.00	219.25	776.19	0.00	0.00	0.00	218.43
				32	219.86	-0.08	-0.00	219.86	776.19	0.00	0.00	0.00	218.52
				33	212.49	-0.12	-0.00	212.49	776.19	0.00	0.00	0.00	218.50
				34	208.16	-0.10	-0.00	208.16	776.19	0.00	0.00	0.00	218.51
				35	208.00	-0.13	-0.00	208.00	776.19	0.00	0.00	0.00	218.50
				36	208.23	-0.16	-0.00	208.23	776.19	0.00	0.00	0.00	218.49
				37	208.35	-0.10	-0.00	208.35	776.19	0.00	0.00	0.00	218.51
				38	208.18	-0.11	-0.00	208.18	776.19	0.00	0.00	0.00	218.51
17,18	0.800	6.010	0.800	1	305.40	0.33	0.00	305.40	776.19	0.00	0.00	0.00	218.47
				2	304.55	0.27	0.00	304.55	776.19	0.00	0.00	0.00	218.48
				3	305.45	0.21	0.00	305.45	776.19	0.00	0.00	0.00	218.49
				4	306.29	0.31	0.00	306.29	776.19	0.00	0.00	0.00	218.47
				5	289.25	0.32	0.00	289.25	776.19	0.00	0.00	0.00	218.47
				6	287.82	0.20	0.00	287.82	776.19	0.00	0.00	0.00	218.49
				7	289.32	0.12	0.00	289.32	776.19	0.00	0.00	0.00	218.52
				8	290.73	0.28	0.00	290.73	776.19	0.00	0.00	0.00	218.48
				25	229.79	0.23	0.00	229.79	776.19	0.00	0.00	0.00	218.47
				26	229.22	0.18	0.00	229.22	776.19	0.00	0.00	0.00	218.49
				27	229.82	0.15	0.00	229.82	776.19	0.00	0.00	0.00	218.50
				28	230.38	0.21	0.00	230.38	776.19	0.00	0.00	0.00	218.48
				29	219.02	0.22	0.00	219.02	776.19	0.00	0.00	0.00	218.47
				30	218.07	0.14	0.00	218.07	776.19	0.00	0.00	0.00	218.50
				31	219.07	0.08	0.00	219.07	776.19	0.00	0.00	0.00	218.52
				32	220.01	0.19	0.00	220.01	776.19	0.00	0.00	0.00	218.48
				33	212.59	0.15	0.00	212.59	776.19	0.00	0.00	0.00	218.49
				34	208.28	0.15	0.00	208.28	776.19	0.00	0.00	0.00	218.49
				35	208.09	0.13	0.00	208.09	776.19	0.00	0.00	0.00	218.50
				36	208.29	0.12	0.00	208.29	776.19	0.00	0.00	0.00	218.50
				37	208.47	0.14	0.00	208.47	776.19	0.00	0.00	0.00	218.50
				38	208.28	0.14	0.00	208.28	776.19	0.00	0.00	0.00	218.50
16,17	0.800	6.010	0.800	1	306.69	1.33	0.00	306.69	776.19	0.00	0.00	0.00	218.23
				2	305.73	1.24	0.00	305.73	776.19	0.00	0.00	0.00	218.25
				3	306.65	1.24	0.00	306.65	776.19	0.00	0.00	0.00	218.25
				4	307.61	1.34	0.00	307.61	776.19	0.00	0.00	0.00	218.23
				5	290.19	0.93	0.00	290.19	776.19	0.00	0.00	0.00	218.31
				6	288.60	0.77	0.00	288.60	776.19	0.00	0.00	0.00	218.35
				7	290.12	0.78	0.00	290.12	776.19	0.00	0.00	0.00	218.35
				8	291.72	0.93	0.00	291.72	776.19	0.00	0.00	0.00	218.31
				25	230.66	0.90	0.00	230.66	776.19	0.00	0.00	0.00	218.26
				26	230.03	0.84	0.00	230.03	776.19	0.00	0.00	0.00	218.28
				27	230.64	0.84	0.00	230.64	776.19	0.00	0.00	0.00	218.28
				28	231.28	0.91	0.00	231.28	776.19	0.00	0.00	0.00	218.26
				29	219.66	0.63	0.00	219.66	776.19	0.00	0.00	0.00	218.34
				30	218.60	0.53	0.00	218.60	776.19	0.00	0.00	0.00	218.37

				31	219.62	0.53	0.00	219.62	776.19	0.00	0.00	0.00	218.37
				32	220.68	0.64	0.00	220.68	776.19	0.00	0.00	0.00	218.34
				33	213.05	0.41	0.00	213.05	776.19	0.00	0.00	0.00	218.41
				34	208.65	0.30	0.00	208.65	776.19	0.00	0.00	0.00	218.44
				35	208.44	0.28	0.00	208.44	776.19	0.00	0.00	0.00	218.45
				36	208.64	0.28	0.00	208.64	776.19	0.00	0.00	0.00	218.45
				37	208.85	0.30	0.00	208.85	776.19	0.00	0.00	0.00	218.44
				38	208.65	0.29	0.00	208.65	776.19	0.00	0.00	0.00	218.44
15,16	0.800	6.230	0.800	1	321.98	2.49	0.00	321.98	804.60	0.00	0.00	0.00	225.98
				2	320.77	2.32	0.00	320.77	804.60	0.00	0.00	0.00	226.02
				3	321.78	2.35	0.00	321.78	804.60	0.00	0.00	0.00	226.01
				4	322.98	2.50	0.00	322.98	804.60	0.00	0.00	0.00	225.98
				5	303.53	1.67	0.00	303.53	804.60	0.00	0.00	0.00	226.14
				6	301.51	1.40	0.00	301.51	804.60	0.00	0.00	0.00	226.21
				7	303.20	1.45	0.00	303.20	804.60	0.00	0.00	0.00	226.20
				8	305.21	1.70	0.00	305.21	804.60	0.00	0.00	0.00	226.14
				25	241.86	1.68	0.00	241.86	804.60	0.00	0.00	0.00	226.04
				26	241.05	1.57	0.00	241.05	804.60	0.00	0.00	0.00	226.07
				27	241.73	1.59	0.00	241.73	804.60	0.00	0.00	0.00	226.07
				28	242.53	1.69	0.00	242.53	804.60	0.00	0.00	0.00	226.04
				29	229.56	1.14	0.00	229.56	804.60	0.00	0.00	0.00	226.18
				30	228.22	0.96	0.00	228.22	804.60	0.00	0.00	0.00	226.24
				31	229.34	0.99	0.00	229.34	804.60	0.00	0.00	0.00	226.23
				32	230.68	1.16	0.00	230.68	804.60	0.00	0.00	0.00	226.18
				33	222.04	0.70	0.00	222.04	804.60	0.00	0.00	0.00	226.32
				34	217.13	0.49	0.00	217.13	804.60	0.00	0.00	0.00	226.38
				35	216.86	0.45	0.00	216.86	804.60	0.00	0.00	0.00	226.39
				36	217.09	0.46	0.00	217.09	804.60	0.00	0.00	0.00	226.39
				37	217.35	0.49	0.00	217.35	804.60	0.00	0.00	0.00	226.38
				38	217.11	0.47	0.00	217.11	804.60	0.00	0.00	0.00	226.39
14,15	0.800	6.385	0.800	1	330.04	-1.92	-0.00	330.04	824.62	0.00	0.00	0.00	231.76
				2	328.56	-2.13	-0.00	328.56	824.62	0.00	0.00	0.00	231.71
				3	329.60	-2.30	-0.00	329.60	824.62	0.00	0.00	0.00	231.67
				4	330.94	-2.21	-0.00	330.94	824.62	0.00	0.00	0.00	231.70
				5	311.24	-0.97	-0.00	311.24	824.62	0.00	0.00	0.00	231.96
				6	308.78	-1.32	-0.00	308.78	824.62	0.00	0.00	0.00	231.87
				7	310.51	-1.60	-0.00	310.51	824.62	0.00	0.00	0.00	231.81
				8	312.75	-1.44	-0.00	312.75	824.62	0.00	0.00	0.00	231.85
				25	247.91	-1.30	-0.00	247.91	824.62	0.00	0.00	0.00	231.80
				26	246.92	-1.44	-0.00	246.92	824.62	0.00	0.00	0.00	231.76
				27	247.61	-1.55	-0.00	247.61	824.62	0.00	0.00	0.00	231.73
				28	248.51	-1.49	-0.00	248.51	824.62	0.00	0.00	0.00	231.75
				29	235.38	-0.66	-0.00	235.38	824.62	0.00	0.00	0.00	231.98
				30	233.74	-0.90	-0.00	233.74	824.62	0.00	0.00	0.00	231.90
				31	234.88	-1.08	-0.00	234.88	824.62	0.00	0.00	0.00	231.85
				32	236.38	-0.98	-0.00	236.38	824.62	0.00	0.00	0.00	231.88
				33	227.44	-0.64	-0.00	227.44	824.62	0.00	0.00	0.00	231.98
				34	222.44	-0.37	-0.00	222.44	824.62	0.00	0.00	0.00	232.06
				35	222.11	-0.42	-0.00	222.11	824.62	0.00	0.00	0.00	232.04
				36	222.34	-0.46	-0.00	222.34	824.62	0.00	0.00	0.00	232.03
				37	222.64	-0.44	-0.00	222.64	824.62	0.00	0.00	0.00	232.04
				38	222.37	-0.43	-0.00	222.37	824.62	0.00	0.00	0.00	232.04
1,14	0.800	6.385	0.800	1	321.77	-5.30	-0.00	321.77	824.62	0.00	0.00	0.00	230.98
				2	320.57	-4.49	-0.00	320.57	824.62	0.00	0.00	0.00	231.16
				3	321.71	-4.05	-0.00	321.71	824.62	0.00	0.00	0.00	231.27
				4	322.77	-4.55	-0.00	322.77	824.62	0.00	0.00	0.00	231.16
				5	306.60	-3.09	-0.00	306.60	824.62	0.00	0.00	0.00	231.45
				6	304.60	-1.74	-0.00	304.60	824.62	0.00	0.00	0.00	231.77
				7	306.51	-1.00	-0.00	306.51	824.62	0.00	0.00	0.00	231.94
				8	308.28	-1.84	-0.00	308.28	824.62	0.00	0.00	0.00	231.75
				25	242.36	-3.53	-0.00	242.36	824.62	0.00	0.00	0.00	231.12
				26	241.55	-2.99	-0.00	241.55	824.62	0.00	0.00	0.00	231.28
				27	242.32	-2.69	-0.00	242.32	824.62	0.00	0.00	0.00	231.37
				28	243.02	-3.03	-0.00	243.02	824.62	0.00	0.00	0.00	231.28

				29	232.25	-2.06	-0.00	232.25	824.62	0.00	0.00	0.00	231.54
				30	230.91	-1.15	-0.00	230.91	824.62	0.00	0.00	0.00	231.82
				31	232.18	-0.66	-0.00	232.18	824.62	0.00	0.00	0.00	231.97
				32	233.36	-1.22	-0.00	233.36	824.62	0.00	0.00	0.00	231.80
				33	226.04	-0.06	-0.00	226.04	824.62	0.00	0.00	0.00	232.16
				34	222.00	0.49	0.00	222.00	824.62	0.00	0.00	0.00	232.02
				35	221.73	0.67	0.00	221.73	824.62	0.00	0.00	0.00	231.96
				36	221.99	0.77	0.00	221.99	824.62	0.00	0.00	0.00	231.93
				37	222.22	0.66	0.00	222.22	824.62	0.00	0.00	0.00	231.97
				38	221.98	0.67	0.00	221.98	824.62	0.00	0.00	0.00	231.96
13,1	0.800	1.340	0.800	1	66.97	0.00	0.00	66.97	173.06	0.00	0.00	0.00	48.73
				2	67.12	0.03	0.00	67.12	173.06	0.00	0.00	0.00	48.69
				3	67.61	0.05	0.00	67.61	173.06	0.00	0.00	0.00	48.68
				4	67.60	0.03	0.00	67.60	173.06	0.00	0.00	0.00	48.69
				5	63.94	-0.01	-0.00	63.94	173.06	0.00	0.00	0.00	48.72
				6	64.21	0.04	0.00	64.21	173.06	0.00	0.00	0.00	48.68
				7	65.01	0.07	0.00	65.01	173.06	0.00	0.00	0.00	48.65
				8	65.00	0.04	0.00	65.00	173.06	0.00	0.00	0.00	48.68
				25	50.50	0.00	0.00	50.50	173.06	0.00	0.00	0.00	48.72
				26	50.61	0.02	0.00	50.61	173.06	0.00	0.00	0.00	48.70
				27	50.93	0.03	0.00	50.93	173.06	0.00	0.00	0.00	48.68
				28	50.92	0.02	0.00	50.92	173.06	0.00	0.00	0.00	48.70
				29	48.49	-0.01	-0.00	48.49	173.06	0.00	0.00	0.00	48.72
				30	48.66	0.03	0.00	48.66	173.06	0.00	0.00	0.00	48.69
				31	49.20	0.05	0.00	49.20	173.06	0.00	0.00	0.00	48.66
				32	49.19	0.03	0.00	49.19	173.06	0.00	0.00	0.00	48.69
				33	47.83	0.03	0.00	47.83	173.06	0.00	0.00	0.00	48.68
				34	47.00	0.03	0.00	47.00	173.06	0.00	0.00	0.00	48.69
				35	47.04	0.03	0.00	47.04	173.06	0.00	0.00	0.00	48.68
				36	47.15	0.04	0.00	47.15	173.06	0.00	0.00	0.00	48.67
				37	47.15	0.03	0.00	47.15	173.06	0.00	0.00	0.00	48.68
				38	47.09	0.03	0.00	47.09	173.06	0.00	0.00	0.00	48.68

Verifiche combinazioni di carico dinamiche
Verifica in condizioni **non drenate**

Dati terreno

Terreno	LITOTIPO A
Angolo d'attrito φ	25.0 [deg]
Coesione c	0.0 [MPa]
Coesione non drenata c_u	0.1 [MPa]
Carico addizionale di superficie q	0.00 [kN/m^2]
Profondità D	1.000 [m]
Peso proprio terreno γ	18.50 [kN/m^3]

Fattori parziale di sicurezza del terreno verifiche a scorrimento

$\gamma_{R,Scor}$	1.000
$k_1$fattore riduzione di φ	1.000
$k_2$fattore riduzione di c	1.000
$k_3$fattore riduzione di c_u	1.000

Fattori parziale di sicurezza del terreno

$\gamma_{tg\varphi}$	1.000
γ_c	1.000
γ_{cu}	1.000

Fattori parziale di sicurezza

Verifica di capacità portante	2.300
Verifica a scorrimento	1.100

Verifiche

	Legenda
B_{eq}	Base del plinto equivalente
H_{eq}	Altezza del plinto equivalente
$H_{Trasporto}$	Quota azioni esterne rispetto alla sezione di verifica

Comb.	Combinazione di carico
N	Azione verticale
M_x	Momento flettente M_x
M_y	Momento flettente M_y
Q_{Ed}	Carico verticale di progetto
$Q_{Rd,T}$	Capacità portante Terzaghi
$Q_{Rd,M}$	Capacità portante Mejerhoff
$Q_{Rd,EC7}$	Capacità portante EuroCodice 7
$Q_{Rd,V}$	Capacità portante Vesic
$Q_{Rd,T,PP}$	Capacità portante Terzaghi con correzione Paolucci-Pecker
F_x	Azione di scorrimento F_x
F_y	Azione di scorrimento F_y
$H_{Ed,d=\sqrt{Fx,Fy}}$	Azione di scorrimento totale $H_{Ed}= \sqrt{(F_x^2+F_y^2)}$
H_{Rd}	Resistenza allo scorrimento

Elemento	B_{Eq} [m]	H_{Eq} [m]	$H_{Trasporto}$ [m]	Comb.	N [kN]	M_x [kNm]	M_y [kNm]	Q_{Ed} [kN]	$Q_{Rd,T,PP}$ [kN]	F_x [kN]	F_y [kN]	H_{Ed} [kN]	H_{Rd} [kN]
45,54	0.800	1.340	0.800	9	51.65	0.15	0.00	51.65	173.06	0.00	0.00	0.00	48.52
				10	49.07	0.05	0.00	49.07	173.06	0.00	0.00	0.00	48.66
				11	51.18	0.12	0.00	51.18	173.06	0.00	0.00	0.00	48.56
				12	48.61	0.02	0.00	48.61	173.06	0.00	0.00	0.00	48.70
				13	53.65	0.26	0.00	53.65	173.06	0.00	0.00	0.00	48.38
				14	52.62	0.24	0.00	52.62	173.06	0.00	0.00	0.00	48.39
				15	52.79	0.21	0.00	52.79	173.06	0.00	0.00	0.00	48.44
				16	51.76	0.19	0.00	51.76	173.06	0.00	0.00	0.00	48.45
				17	48.21	0.10	0.00	48.21	173.06	0.00	0.00	0.00	48.58
				18	45.63	-0.00	0.00	45.63	173.06	0.00	0.00	0.00	48.72
				19	47.74	0.07	0.00	47.74	173.06	0.00	0.00	0.00	48.62
				20	45.17	-0.03	0.00	45.17	173.06	0.00	0.00	0.00	48.68
				21	45.06	-0.08	0.00	45.06	173.06	0.00	0.00	0.00	48.60
				22	44.03	-0.09	0.00	44.03	173.06	0.00	0.00	0.00	48.57
				23	44.20	-0.13	0.00	44.20	173.06	0.00	0.00	0.00	48.52
				24	43.17	-0.14	0.00	43.17	173.06	0.00	0.00	0.00	48.49
				39	49.64	0.09	0.00	49.64	173.06	0.00	0.00	0.00	48.59
				40	48.61	0.05	0.00	48.61	173.06	0.00	0.00	0.00	48.65
				41	49.46	0.08	0.00	49.46	173.06	0.00	0.00	0.00	48.61
				42	48.43	0.04	0.00	48.43	173.06	0.00	0.00	0.00	48.66
				43	50.50	0.14	0.00	50.50	173.06	0.00	0.00	0.00	48.53
				44	50.12	0.13	0.00	50.12	173.06	0.00	0.00	0.00	48.53
				45	50.15	0.12	0.00	50.15	173.06	0.00	0.00	0.00	48.55
				46	49.78	0.11	0.00	49.78	173.06	0.00	0.00	0.00	48.56
				47	48.39	0.07	0.00	48.39	173.06	0.00	0.00	0.00	48.61
				48	47.35	0.03	0.00	47.35	173.06	0.00	0.00	0.00	48.67
				49	48.21	0.06	0.00	48.21	173.06	0.00	0.00	0.00	48.63
				50	47.18	0.02	0.00	47.18	173.06	0.00	0.00	0.00	48.69
				51	47.04	0.00	0.00	47.04	173.06	0.00	0.00	0.00	48.72
				52	46.67	-0.00	0.00	46.67	173.06	0.00	0.00	0.00	48.72
				53	46.70	-0.02	0.00	46.70	173.06	0.00	0.00	0.00	48.70
				54	46.32	-0.02	0.00	46.32	173.06	0.00	0.00	0.00	48.69
36,45	0.800	7.830	0.800	9	288.43	6.02	0.00	288.43	1011.24	0.00	0.00	0.00	283.21
				10	282.22	0.36	0.00	282.22	1011.24	0.00	0.00	0.00	284.63
				11	287.53	5.33	0.00	287.53	1011.24	0.00	0.00	0.00	283.38
				12	281.32	-0.33	0.00	281.32	1011.24	0.00	0.00	0.00	284.64
				13	291.24	11.09	0.00	291.24	1011.24	0.00	0.00	0.00	281.96
				14	287.12	9.51	0.00	287.12	1011.24	0.00	0.00	0.00	282.32
				15	289.59	9.81	0.00	289.59	1011.24	0.00	0.00	0.00	282.26
				16	285.47	8.24	0.00	285.47	1011.24	0.00	0.00	0.00	282.63
				17	274.69	0.78	0.00	274.69	1011.24	0.00	0.00	0.00	284.52
				18	268.48	-4.88	0.00	268.48	1011.24	0.00	0.00	0.00	283.41
				19	273.79	0.09	0.00	273.79	1011.24	0.00	0.00	0.00	284.70
				20	267.58	-5.57	0.00	267.58	1011.24	0.00	0.00	0.00	283.21
				21	270.54	-7.78	0.00	270.54	1011.24	0.00	0.00	0.00	282.64
				22	266.42	-9.35	0.00	266.42	1011.24	0.00	0.00	0.00	282.17

				23	268.89	-9.06	0.00	268.89	1011.24	0.00	0.00	0.00	282.28
				24	264.76	-10.63	0.00	264.76	1011.24	0.00	0.00	0.00	281.81
				39	281.93	2.44	0.00	281.93	1011.24	0.00	0.00	0.00	284.10
				40	279.44	0.17	0.00	279.44	1011.24	0.00	0.00	0.00	284.68
				41	281.59	2.18	0.00	281.59	1011.24	0.00	0.00	0.00	284.16
				42	279.09	-0.10	0.00	279.09	1011.24	0.00	0.00	0.00	284.70
				43	283.25	4.56	0.00	283.25	1011.24	0.00	0.00	0.00	283.56
				44	281.75	3.99	0.00	281.75	1011.24	0.00	0.00	0.00	283.70
				45	282.59	4.05	0.00	282.59	1011.24	0.00	0.00	0.00	283.69
				46	281.08	3.48	0.00	281.08	1011.24	0.00	0.00	0.00	283.83
				47	276.92	0.55	0.00	276.92	1011.24	0.00	0.00	0.00	284.58
				48	274.42	-1.72	0.00	274.42	1011.24	0.00	0.00	0.00	284.27
				49	276.58	0.29	0.00	276.58	1011.24	0.00	0.00	0.00	284.65
				50	274.08	-1.99	0.00	274.08	1011.24	0.00	0.00	0.00	284.20
				51	274.93	-3.02	0.00	274.93	1011.24	0.00	0.00	0.00	283.93
				52	273.42	-3.59	0.00	273.42	1011.24	0.00	0.00	0.00	283.77
				53	274.26	-3.53	0.00	274.26	1011.24	0.00	0.00	0.00	283.79
				54	272.76	-4.10	0.00	272.76	1011.24	0.00	0.00	0.00	283.63
28,36	0.800	2.790	0.800	9	102.15	0.26	0.00	102.15	360.33	0.00	0.00	0.00	101.27
				10	102.02	-0.12	0.00	102.02	360.33	0.00	0.00	0.00	101.37
				11	102.19	0.17	0.00	102.19	360.33	0.00	0.00	0.00	101.33
				12	102.06	-0.20	0.00	102.06	360.33	0.00	0.00	0.00	101.31
				13	100.90	0.71	0.00	100.90	360.33	0.00	0.00	0.00	100.94
				14	99.69	0.69	0.00	99.69	360.33	0.00	0.00	0.00	100.95
				15	100.96	0.56	0.00	100.96	360.33	0.00	0.00	0.00	101.05
				16	99.76	0.54	0.00	99.76	360.33	0.00	0.00	0.00	101.06
				17	98.15	0.20	0.00	98.15	360.33	0.00	0.00	0.00	101.31
				18	98.02	-0.18	0.00	98.02	360.33	0.00	0.00	0.00	101.32
				19	98.19	0.12	0.00	98.19	360.33	0.00	0.00	0.00	101.37
				20	98.05	-0.26	0.00	98.05	360.33	0.00	0.00	0.00	101.26
				21	100.45	-0.55	0.00	100.45	360.33	0.00	0.00	0.00	101.06
				22	99.24	-0.57	0.00	99.24	360.33	0.00	0.00	0.00	101.04
				23	100.51	-0.70	0.00	100.51	360.33	0.00	0.00	0.00	100.95
				24	99.31	-0.72	0.00	99.31	360.33	0.00	0.00	0.00	100.93
				39	100.86	0.10	0.00	100.86	360.33	0.00	0.00	0.00	101.38
				40	100.80	-0.05	0.00	100.80	360.33	0.00	0.00	0.00	101.42
				41	100.87	0.07	0.00	100.87	360.33	0.00	0.00	0.00	101.41
				42	100.82	-0.08	0.00	100.82	360.33	0.00	0.00	0.00	101.39
				43	100.40	0.28	0.00	100.40	360.33	0.00	0.00	0.00	101.25
				44	99.96	0.28	0.00	99.96	360.33	0.00	0.00	0.00	101.25
				45	100.43	0.22	0.00	100.43	360.33	0.00	0.00	0.00	101.29
				46	99.99	0.22	0.00	99.99	360.33	0.00	0.00	0.00	101.30
				47	99.39	0.08	0.00	99.39	360.33	0.00	0.00	0.00	101.40
				48	99.34	-0.07	0.00	99.34	360.33	0.00	0.00	0.00	101.40
				49	99.41	0.05	0.00	99.41	360.33	0.00	0.00	0.00	101.42
				50	99.35	-0.10	0.00	99.35	360.33	0.00	0.00	0.00	101.38
				51	100.22	-0.22	0.00	100.22	360.33	0.00	0.00	0.00	101.29
				52	99.78	-0.23	0.00	99.78	360.33	0.00	0.00	0.00	101.29
				53	100.25	-0.28	0.00	100.25	360.33	0.00	0.00	0.00	101.25
				54	99.81	-0.29	0.00	99.81	360.33	0.00	0.00	0.00	101.24
20,28	0.800	7.830	0.800	9	278.77	4.53	0.00	278.77	1011.24	0.00	0.00	0.00	283.55
				10	284.84	-1.48	0.00	284.84	1011.24	0.00	0.00	0.00	284.35
				11	279.67	4.17	0.00	279.67	1011.24	0.00	0.00	0.00	283.64
				12	285.74	-1.84	0.00	285.74	1011.24	0.00	0.00	0.00	284.26
				13	267.16	13.00	0.00	267.16	1011.24	0.00	0.00	0.00	281.19
				14	263.60	14.11	0.00	263.60	1011.24	0.00	0.00	0.00	280.83
				15	268.82	12.33	0.00	268.82	1011.24	0.00	0.00	0.00	281.39
				16	265.26	13.44	0.00	265.26	1011.24	0.00	0.00	0.00	281.04
				17	266.91	8.24	0.00	266.91	1011.24	0.00	0.00	0.00	282.48
				18	272.98	2.23	0.00	272.98	1011.24	0.00	0.00	0.00	284.13
				19	267.81	7.88	0.00	267.81	1011.24	0.00	0.00	0.00	282.59
				20	273.88	1.87	0.00	273.88	1011.24	0.00	0.00	0.00	284.23
				21	287.39	-7.05	0.00	287.39	1011.24	0.00	0.00	0.00	282.94
				22	283.83	-5.94	0.00	283.83	1011.24	0.00	0.00	0.00	283.21

				23	289.05	-7.71	0.00	289.05	1011.24	0.00	0.00	0.00	282.79
				24	285.49	-6.60	0.00	285.49	1011.24	0.00	0.00	0.00	283.05
				39	277.10	3.81	0.00	277.10	1011.24	0.00	0.00	0.00	283.73
				40	279.54	1.39	0.00	279.54	1011.24	0.00	0.00	0.00	284.37
				41	277.44	3.67	0.00	277.44	1011.24	0.00	0.00	0.00	283.77
				42	279.88	1.25	0.00	279.88	1011.24	0.00	0.00	0.00	284.40
				43	272.58	7.16	0.00	272.58	1011.24	0.00	0.00	0.00	282.82
				44	271.28	7.56	0.00	271.28	1011.24	0.00	0.00	0.00	282.70
				45	273.24	6.89	0.00	273.24	1011.24	0.00	0.00	0.00	282.89
				46	271.94	7.30	0.00	271.94	1011.24	0.00	0.00	0.00	282.78
				47	272.77	5.15	0.00	272.77	1011.24	0.00	0.00	0.00	283.35
				48	275.21	2.73	0.00	275.21	1011.24	0.00	0.00	0.00	284.01
				49	273.11	5.01	0.00	273.11	1011.24	0.00	0.00	0.00	283.39
				50	275.55	2.59	0.00	275.55	1011.24	0.00	0.00	0.00	284.04
				51	280.71	-0.90	0.00	280.71	1011.24	0.00	0.00	0.00	284.49
				52	279.41	-0.50	0.00	279.41	1011.24	0.00	0.00	0.00	284.60
				53	281.37	-1.17	0.00	281.37	1011.24	0.00	0.00	0.00	284.43
				54	280.07	-0.77	0.00	280.07	1011.24	0.00	0.00	0.00	284.53
12,20	0.800	1.340	0.800	9	47.45	0.01	0.00	47.45	173.06	0.00	0.00	0.00	48.71
				10	50.02	-0.09	0.00	50.02	173.06	0.00	0.00	0.00	48.60
				11	47.87	-0.01	0.00	47.87	173.06	0.00	0.00	0.00	48.71
				12	50.44	-0.12	0.00	50.44	173.06	0.00	0.00	0.00	48.56
				13	43.27	0.16	0.00	43.27	173.06	0.00	0.00	0.00	48.46
				14	42.41	0.17	0.00	42.41	173.06	0.00	0.00	0.00	48.43
				15	44.05	0.11	0.00	44.05	173.06	0.00	0.00	0.00	48.54
				16	43.18	0.12	0.00	43.18	173.06	0.00	0.00	0.00	48.52
				17	44.57	0.05	0.00	44.57	173.06	0.00	0.00	0.00	48.64
				18	47.14	-0.05	0.00	47.14	173.06	0.00	0.00	0.00	48.65
				19	44.99	0.03	0.00	44.99	173.06	0.00	0.00	0.00	48.68
				20	47.56	-0.08	0.00	47.56	173.06	0.00	0.00	0.00	48.61
				21	51.82	-0.19	0.00	51.82	173.06	0.00	0.00	0.00	48.46
				22	50.96	-0.18	0.00	50.96	173.06	0.00	0.00	0.00	48.48
				23	52.60	-0.23	0.00	52.60	173.06	0.00	0.00	0.00	48.40
				24	51.74	-0.22	0.00	51.74	173.06	0.00	0.00	0.00	48.42
				39	47.43	-0.01	0.00	47.43	173.06	0.00	0.00	0.00	48.71
				40	48.46	-0.05	0.00	48.46	173.06	0.00	0.00	0.00	48.65
				41	47.59	-0.02	0.00	47.59	173.06	0.00	0.00	0.00	48.69
				42	48.62	-0.06	0.00	48.62	173.06	0.00	0.00	0.00	48.63
				43	45.78	0.05	0.00	45.78	173.06	0.00	0.00	0.00	48.66
				44	45.47	0.05	0.00	45.47	173.06	0.00	0.00	0.00	48.65
				45	46.09	0.03	0.00	46.09	173.06	0.00	0.00	0.00	48.68
				46	45.78	0.03	0.00	45.78	173.06	0.00	0.00	0.00	48.68
				47	46.38	0.00	0.00	46.38	173.06	0.00	0.00	0.00	48.73
				48	47.41	-0.04	0.00	47.41	173.06	0.00	0.00	0.00	48.67
				49	46.54	-0.01	0.00	46.54	173.06	0.00	0.00	0.00	48.71
				50	47.58	-0.05	0.00	47.58	173.06	0.00	0.00	0.00	48.65
				51	49.23	-0.09	0.00	49.23	173.06	0.00	0.00	0.00	48.59
				52	48.91	-0.09	0.00	48.91	173.06	0.00	0.00	0.00	48.59
				53	49.54	-0.11	0.00	49.54	173.06	0.00	0.00	0.00	48.56
				54	49.22	-0.11	0.00	49.22	173.06	0.00	0.00	0.00	48.57
44,53	0.800	1.340	0.800	9	48.73	0.12	0.00	48.73	173.06	0.00	0.00	0.00	48.55
				10	47.13	0.04	0.00	47.13	173.06	0.00	0.00	0.00	48.66
				11	48.36	0.10	0.00	48.36	173.06	0.00	0.00	0.00	48.58
				12	46.75	0.02	0.00	46.75	173.06	0.00	0.00	0.00	48.69
				13	50.85	0.22	0.00	50.85	173.06	0.00	0.00	0.00	48.42
				14	50.92	0.22	0.00	50.92	173.06	0.00	0.00	0.00	48.42
				15	50.16	0.18	0.00	50.16	173.06	0.00	0.00	0.00	48.47
				16	50.24	0.18	0.00	50.24	173.06	0.00	0.00	0.00	48.47
				17	48.98	0.12	0.00	48.98	173.06	0.00	0.00	0.00	48.55
				18	47.37	0.05	0.00	47.37	173.06	0.00	0.00	0.00	48.66
				19	48.61	0.10	0.00	48.61	173.06	0.00	0.00	0.00	48.58
				20	47.00	0.02	0.00	47.00	173.06	0.00	0.00	0.00	48.69
				21	45.50	-0.03	0.00	45.50	173.06	0.00	0.00	0.00	48.67
				22	45.57	-0.03	0.00	45.57	173.06	0.00	0.00	0.00	48.67

				23	44.81	-0.07	0.00	44.81	173.06	0.00	0.00	0.00	48.61
				24	44.88	-0.07	0.00	44.88	173.06	0.00	0.00	0.00	48.61
				39	48.21	0.09	0.00	48.21	173.06	0.00	0.00	0.00	48.59
				40	47.57	0.06	0.00	47.57	173.06	0.00	0.00	0.00	48.63
				41	48.07	0.08	0.00	48.07	173.06	0.00	0.00	0.00	48.60
				42	47.42	0.05	0.00	47.42	173.06	0.00	0.00	0.00	48.65
				43	49.07	0.13	0.00	49.07	173.06	0.00	0.00	0.00	48.53
				44	49.10	0.13	0.00	49.10	173.06	0.00	0.00	0.00	48.53
				45	48.79	0.11	0.00	48.79	173.06	0.00	0.00	0.00	48.56
				46	48.82	0.11	0.00	48.82	173.06	0.00	0.00	0.00	48.56
				47	48.31	0.09	0.00	48.31	173.06	0.00	0.00	0.00	48.59
				48	47.66	0.06	0.00	47.66	173.06	0.00	0.00	0.00	48.63
				49	48.16	0.08	0.00	48.16	173.06	0.00	0.00	0.00	48.60
				50	47.52	0.05	0.00	47.52	173.06	0.00	0.00	0.00	48.65
				51	46.91	0.03	0.00	46.91	173.06	0.00	0.00	0.00	48.68
				52	46.94	0.03	0.00	46.94	173.06	0.00	0.00	0.00	48.68
				53	46.63	0.01	0.00	46.63	173.06	0.00	0.00	0.00	48.71
				54	46.66	0.01	0.00	46.66	173.06	0.00	0.00	0.00	48.71
35,44	0.800	7.830	0.800	9	273.17	6.34	0.00	273.17	1011.24	0.00	0.00	0.00	283.04
				10	268.66	4.86	0.00	268.66	1011.24	0.00	0.00	0.00	283.41
				11	272.21	6.16	0.00	272.21	1011.24	0.00	0.00	0.00	283.08
				12	267.69	4.68	0.00	267.69	1011.24	0.00	0.00	0.00	283.46
				13	279.64	7.78	0.00	279.64	1011.24	0.00	0.00	0.00	282.70
				14	280.32	7.47	0.00	280.32	1011.24	0.00	0.00	0.00	282.79
				15	277.86	7.44	0.00	277.86	1011.24	0.00	0.00	0.00	282.78
				16	278.54	7.13	0.00	278.54	1011.24	0.00	0.00	0.00	282.86
				17	275.44	5.31	0.00	275.44	1011.24	0.00	0.00	0.00	283.33
				18	270.92	3.83	0.00	270.92	1011.24	0.00	0.00	0.00	283.70
				19	274.47	5.13	0.00	274.47	1011.24	0.00	0.00	0.00	283.37
				20	269.96	3.65	0.00	269.96	1011.24	0.00	0.00	0.00	283.74
				21	264.59	2.85	0.00	264.59	1011.24	0.00	0.00	0.00	283.94
				22	265.27	2.54	0.00	265.27	1011.24	0.00	0.00	0.00	284.03
				23	262.81	2.52	0.00	262.81	1011.24	0.00	0.00	0.00	284.03
				24	263.49	2.21	0.00	263.49	1011.24	0.00	0.00	0.00	284.12
				39	272.25	5.51	0.00	272.25	1011.24	0.00	0.00	0.00	283.26
				40	270.42	4.92	0.00	270.42	1011.24	0.00	0.00	0.00	283.40
				41	271.88	5.44	0.00	271.88	1011.24	0.00	0.00	0.00	283.27
				42	270.05	4.85	0.00	270.05	1011.24	0.00	0.00	0.00	283.42
				43	274.83	6.11	0.00	274.83	1011.24	0.00	0.00	0.00	283.11
				44	275.08	6.00	0.00	275.08	1011.24	0.00	0.00	0.00	283.14
				45	274.12	5.97	0.00	274.12	1011.24	0.00	0.00	0.00	283.14
				46	274.37	5.86	0.00	274.37	1011.24	0.00	0.00	0.00	283.17
				47	273.08	5.14	0.00	273.08	1011.24	0.00	0.00	0.00	283.36
				48	271.26	4.55	0.00	271.26	1011.24	0.00	0.00	0.00	283.51
				49	272.71	5.07	0.00	272.71	1011.24	0.00	0.00	0.00	283.37
				50	270.89	4.48	0.00	270.89	1011.24	0.00	0.00	0.00	283.53
				51	268.76	4.13	0.00	268.76	1011.24	0.00	0.00	0.00	283.61
				52	269.01	4.02	0.00	269.01	1011.24	0.00	0.00	0.00	283.64
				53	268.05	3.99	0.00	268.05	1011.24	0.00	0.00	0.00	283.64
				54	268.30	3.88	0.00	268.30	1011.24	0.00	0.00	0.00	283.68
27,35	0.800	2.790	0.800	9	96.23	0.29	0.00	96.23	360.33	0.00	0.00	0.00	101.23
				10	96.16	-0.20	0.00	96.16	360.33	0.00	0.00	0.00	101.30
				11	96.23	0.17	0.00	96.23	360.33	0.00	0.00	0.00	101.33
				12	96.15	-0.32	0.00	96.15	360.33	0.00	0.00	0.00	101.21
				13	96.69	0.92	0.00	96.69	360.33	0.00	0.00	0.00	100.76
				14	96.99	0.92	0.00	96.99	360.33	0.00	0.00	0.00	100.76
				15	96.68	0.69	0.00	96.68	360.33	0.00	0.00	0.00	100.93
				16	96.99	0.70	0.00	96.99	360.33	0.00	0.00	0.00	100.93
				17	97.25	0.30	0.00	97.25	360.33	0.00	0.00	0.00	101.23
				18	97.17	-0.20	0.00	97.17	360.33	0.00	0.00	0.00	101.31
				19	97.25	0.17	0.00	97.25	360.33	0.00	0.00	0.00	101.32
				20	97.17	-0.32	0.00	97.17	360.33	0.00	0.00	0.00	101.22
				21	96.42	-0.72	0.00	96.42	360.33	0.00	0.00	0.00	100.91
				22	96.73	-0.72	0.00	96.73	360.33	0.00	0.00	0.00	100.91

				23	96.41	-0.95	0.00	96.41	360.33	0.00	0.00	0.00	100.74
				24	96.72	-0.95	0.00	96.72	360.33	0.00	0.00	0.00	100.74
				39	96.53	0.11	0.00	96.53	360.33	0.00	0.00	0.00	101.37
				40	96.50	-0.09	0.00	96.50	360.33	0.00	0.00	0.00	101.39
				41	96.53	0.06	0.00	96.53	360.33	0.00	0.00	0.00	101.41
				42	96.50	-0.14	0.00	96.50	360.33	0.00	0.00	0.00	101.35
				43	96.70	0.36	0.00	96.70	360.33	0.00	0.00	0.00	101.18
				44	96.81	0.36	0.00	96.81	360.33	0.00	0.00	0.00	101.18
				45	96.70	0.27	0.00	96.70	360.33	0.00	0.00	0.00	101.25
				46	96.81	0.27	0.00	96.81	360.33	0.00	0.00	0.00	101.25
				47	96.91	0.11	0.00	96.91	360.33	0.00	0.00	0.00	101.37
				48	96.87	-0.09	0.00	96.87	360.33	0.00	0.00	0.00	101.39
				49	96.91	0.06	0.00	96.91	360.33	0.00	0.00	0.00	101.41
				50	96.87	-0.14	0.00	96.87	360.33	0.00	0.00	0.00	101.35
				51	96.59	-0.30	0.00	96.59	360.33	0.00	0.00	0.00	101.23
				52	96.71	-0.30	0.00	96.71	360.33	0.00	0.00	0.00	101.23
				53	96.59	-0.39	0.00	96.59	360.33	0.00	0.00	0.00	101.16
				54	96.70	-0.39	0.00	96.70	360.33	0.00	0.00	0.00	101.16
19,27	0.800	7.830	0.800	9	265.40	0.16	0.00	265.40	1011.24	0.00	0.00	0.00	284.68
				10	270.17	-1.89	0.00	270.17	1011.24	0.00	0.00	0.00	284.22
				11	266.36	-0.05	0.00	266.36	1011.24	0.00	0.00	0.00	284.71
				12	271.14	-2.10	0.00	271.14	1011.24	0.00	0.00	0.00	284.16
				13	260.21	3.06	0.00	260.21	1011.24	0.00	0.00	0.00	283.87
				14	260.89	3.43	0.00	260.89	1011.24	0.00	0.00	0.00	283.77
				15	261.99	2.67	0.00	261.99	1011.24	0.00	0.00	0.00	283.99
				16	262.67	3.04	0.00	262.67	1011.24	0.00	0.00	0.00	283.89
				17	267.65	1.39	0.00	267.65	1011.24	0.00	0.00	0.00	284.35
				18	272.43	-0.66	0.00	272.43	1011.24	0.00	0.00	0.00	284.55
				19	268.62	1.17	0.00	268.62	1011.24	0.00	0.00	0.00	284.41
				20	273.39	-0.87	0.00	273.39	1011.24	0.00	0.00	0.00	284.50
				21	276.13	-3.75	0.00	276.13	1011.24	0.00	0.00	0.00	283.74
				22	276.80	-3.38	0.00	276.80	1011.24	0.00	0.00	0.00	283.84
				23	277.91	-4.14	0.00	277.91	1011.24	0.00	0.00	0.00	283.64
				24	278.58	-3.77	0.00	278.58	1011.24	0.00	0.00	0.00	283.74
				39	267.83	-0.12	0.00	267.83	1011.24	0.00	0.00	0.00	284.69
				40	269.75	-0.95	0.00	269.75	1011.24	0.00	0.00	0.00	284.47
				41	268.20	-0.20	0.00	268.20	1011.24	0.00	0.00	0.00	284.67
				42	270.12	-1.03	0.00	270.12	1011.24	0.00	0.00	0.00	284.45
				43	265.71	1.03	0.00	265.71	1011.24	0.00	0.00	0.00	284.44
				44	265.96	1.16	0.00	265.96	1011.24	0.00	0.00	0.00	284.41
				45	266.42	0.88	0.00	266.42	1011.24	0.00	0.00	0.00	284.49
				46	266.68	1.01	0.00	266.68	1011.24	0.00	0.00	0.00	284.45
				47	268.67	0.32	0.00	268.67	1011.24	0.00	0.00	0.00	284.64
				48	270.59	-0.51	0.00	270.59	1011.24	0.00	0.00	0.00	284.59
				49	269.04	0.24	0.00	269.04	1011.24	0.00	0.00	0.00	284.66
				50	270.96	-0.59	0.00	270.96	1011.24	0.00	0.00	0.00	284.57
				51	272.12	-1.72	0.00	272.12	1011.24	0.00	0.00	0.00	284.27
				52	272.37	-1.59	0.00	272.37	1011.24	0.00	0.00	0.00	284.30
				53	272.83	-1.87	0.00	272.83	1011.24	0.00	0.00	0.00	284.23
				54	273.08	-1.74	0.00	273.08	1011.24	0.00	0.00	0.00	284.26
11,19	0.800	1.340	0.800	9	45.53	0.01	0.00	45.53	173.06	0.00	0.00	0.00	48.71
				10	47.24	-0.07	0.00	47.24	173.06	0.00	0.00	0.00	48.63
				11	45.91	-0.01	0.00	45.91	173.06	0.00	0.00	0.00	48.72
				12	47.61	-0.09	0.00	47.61	173.06	0.00	0.00	0.00	48.60
				13	43.46	0.11	0.00	43.46	173.06	0.00	0.00	0.00	48.54
				14	43.53	0.11	0.00	43.53	173.06	0.00	0.00	0.00	48.54
				15	44.15	0.07	0.00	44.15	173.06	0.00	0.00	0.00	48.60
				16	44.22	0.07	0.00	44.22	173.06	0.00	0.00	0.00	48.61
				17	45.75	0.01	0.00	45.75	173.06	0.00	0.00	0.00	48.71
				18	47.46	-0.07	0.00	47.46	173.06	0.00	0.00	0.00	48.62
				19	46.13	-0.01	0.00	46.13	173.06	0.00	0.00	0.00	48.71
				20	47.83	-0.09	0.00	47.83	173.06	0.00	0.00	0.00	48.59
				21	49.15	-0.15	0.00	49.15	173.06	0.00	0.00	0.00	48.51
				22	49.21	-0.15	0.00	49.21	173.06	0.00	0.00	0.00	48.50

				23	49.84	-0.19	0.00	49.84	173.06	0.00	0.00	0.00	48.45
				24	49.91	-0.19	0.00	49.91	173.06	0.00	0.00	0.00	48.45
				39	46.23	-0.02	0.00	46.23	173.06	0.00	0.00	0.00	48.70
				40	46.91	-0.05	0.00	46.91	173.06	0.00	0.00	0.00	48.65
				41	46.37	-0.03	0.00	46.37	173.06	0.00	0.00	0.00	48.69
				42	47.06	-0.06	0.00	47.06	173.06	0.00	0.00	0.00	48.64
				43	45.38	0.02	0.00	45.38	173.06	0.00	0.00	0.00	48.69
				44	45.41	0.02	0.00	45.41	173.06	0.00	0.00	0.00	48.69
				45	45.66	0.01	0.00	45.66	173.06	0.00	0.00	0.00	48.72
				46	45.69	0.01	0.00	45.69	173.06	0.00	0.00	0.00	48.72
				47	46.31	-0.02	0.00	46.31	173.06	0.00	0.00	0.00	48.70
				48	47.00	-0.05	0.00	47.00	173.06	0.00	0.00	0.00	48.65
				49	46.45	-0.03	0.00	46.45	173.06	0.00	0.00	0.00	48.69
				50	47.14	-0.06	0.00	47.14	173.06	0.00	0.00	0.00	48.64
				51	47.68	-0.08	0.00	47.68	173.06	0.00	0.00	0.00	48.60
				52	47.71	-0.08	0.00	47.71	173.06	0.00	0.00	0.00	48.60
				53	47.96	-0.10	0.00	47.96	173.06	0.00	0.00	0.00	48.58
				54	47.98	-0.10	0.00	47.98	173.06	0.00	0.00	0.00	48.58
43,52	0.800	1.340	0.800	9	48.60	0.12	0.00	48.60	173.06	0.00	0.00	0.00	48.55
				10	47.19	0.05	0.00	47.19	173.06	0.00	0.00	0.00	48.65
				11	48.38	0.11	0.00	48.38	173.06	0.00	0.00	0.00	48.57
				12	46.98	0.04	0.00	46.98	173.06	0.00	0.00	0.00	48.67
				13	50.41	0.20	0.00	50.41	173.06	0.00	0.00	0.00	48.44
				14	50.47	0.20	0.00	50.47	173.06	0.00	0.00	0.00	48.44
				15	50.02	0.18	0.00	50.02	173.06	0.00	0.00	0.00	48.47
				16	50.08	0.18	0.00	50.08	173.06	0.00	0.00	0.00	48.47
				17	48.82	0.12	0.00	48.82	173.06	0.00	0.00	0.00	48.55
				18	47.41	0.05	0.00	47.41	173.06	0.00	0.00	0.00	48.65
				19	48.61	0.11	0.00	48.61	173.06	0.00	0.00	0.00	48.57
				20	47.20	0.04	0.00	47.20	173.06	0.00	0.00	0.00	48.67
				21	45.71	-0.02	0.00	45.71	173.06	0.00	0.00	0.00	48.69
				22	45.78	-0.02	0.00	45.78	173.06	0.00	0.00	0.00	48.69
				23	45.32	-0.05	0.00	45.32	173.06	0.00	0.00	0.00	48.65
				24	45.39	-0.05	0.00	45.39	173.06	0.00	0.00	0.00	48.65
				39	48.18	0.09	0.00	48.18	173.06	0.00	0.00	0.00	48.59
				40	47.61	0.07	0.00	47.61	173.06	0.00	0.00	0.00	48.63
				41	48.10	0.09	0.00	48.10	173.06	0.00	0.00	0.00	48.59
				42	47.53	0.06	0.00	47.53	173.06	0.00	0.00	0.00	48.63
				43	48.91	0.13	0.00	48.91	173.06	0.00	0.00	0.00	48.54
				44	48.93	0.13	0.00	48.93	173.06	0.00	0.00	0.00	48.54
				45	48.75	0.12	0.00	48.75	173.06	0.00	0.00	0.00	48.55
				46	48.78	0.12	0.00	48.78	173.06	0.00	0.00	0.00	48.55
				47	48.26	0.09	0.00	48.26	173.06	0.00	0.00	0.00	48.59
				48	47.69	0.07	0.00	47.69	173.06	0.00	0.00	0.00	48.63
				49	48.18	0.09	0.00	48.18	173.06	0.00	0.00	0.00	48.59
				50	47.61	0.06	0.00	47.61	173.06	0.00	0.00	0.00	48.63
				51	47.02	0.04	0.00	47.02	173.06	0.00	0.00	0.00	48.67
				52	47.04	0.04	0.00	47.04	173.06	0.00	0.00	0.00	48.67
				53	46.86	0.03	0.00	46.86	173.06	0.00	0.00	0.00	48.68
				54	46.88	0.03	0.00	46.88	173.06	0.00	0.00	0.00	48.68
34,43	0.800	7.830	0.800	9	272.50	6.64	0.00	272.50	1011.24	0.00	0.00	0.00	282.96
				10	268.32	5.85	0.00	268.32	1011.24	0.00	0.00	0.00	283.14
				11	271.90	6.65	0.00	271.90	1011.24	0.00	0.00	0.00	282.95
				12	267.72	5.86	0.00	267.72	1011.24	0.00	0.00	0.00	283.13
				13	278.07	7.55	0.00	278.07	1011.24	0.00	0.00	0.00	282.75
				14	278.43	7.55	0.00	278.43	1011.24	0.00	0.00	0.00	282.76
				15	276.96	7.57	0.00	276.96	1011.24	0.00	0.00	0.00	282.74
				16	277.32	7.57	0.00	277.32	1011.24	0.00	0.00	0.00	282.74
				17	273.72	6.64	0.00	273.72	1011.24	0.00	0.00	0.00	282.96
				18	269.54	5.85	0.00	269.54	1011.24	0.00	0.00	0.00	283.15
				19	273.12	6.65	0.00	273.12	1011.24	0.00	0.00	0.00	282.96
				20	268.94	5.86	0.00	268.94	1011.24	0.00	0.00	0.00	283.14
				21	264.12	4.93	0.00	264.12	1011.24	0.00	0.00	0.00	283.37
				22	264.49	4.93	0.00	264.49	1011.24	0.00	0.00	0.00	283.37

				23	263.01	4.95	0.00	263.01	1011.24	0.00	0.00	0.00	283.36
				24	263.38	4.95	0.00	263.38	1011.24	0.00	0.00	0.00	283.36
				39	271.46	6.41	0.00	271.46	1011.24	0.00	0.00	0.00	283.01
				40	269.77	6.09	0.00	269.77	1011.24	0.00	0.00	0.00	283.09
				41	271.23	6.41	0.00	271.23	1011.24	0.00	0.00	0.00	283.01
				42	269.54	6.09	0.00	269.54	1011.24	0.00	0.00	0.00	283.08
				43	273.69	6.78	0.00	273.69	1011.24	0.00	0.00	0.00	282.93
				44	273.83	6.78	0.00	273.83	1011.24	0.00	0.00	0.00	282.93
				45	273.25	6.79	0.00	273.25	1011.24	0.00	0.00	0.00	282.92
				46	273.38	6.79	0.00	273.38	1011.24	0.00	0.00	0.00	282.92
				47	271.90	6.41	0.00	271.90	1011.24	0.00	0.00	0.00	283.01
				48	270.21	6.09	0.00	270.21	1011.24	0.00	0.00	0.00	283.09
				49	271.67	6.41	0.00	271.67	1011.24	0.00	0.00	0.00	283.01
				50	269.98	6.09	0.00	269.98	1011.24	0.00	0.00	0.00	283.09
				51	268.06	5.71	0.00	268.06	1011.24	0.00	0.00	0.00	283.18
				52	268.19	5.71	0.00	268.19	1011.24	0.00	0.00	0.00	283.18
				53	267.62	5.72	0.00	267.62	1011.24	0.00	0.00	0.00	283.17
				54	267.75	5.72	0.00	267.75	1011.24	0.00	0.00	0.00	283.17
26,34	0.800	2.790	0.800	9	95.93	0.27	0.00	95.93	360.33	0.00	0.00	0.00	101.25
				10	95.84	-0.22	0.00	95.84	360.33	0.00	0.00	0.00	101.29
				11	95.91	0.19	0.00	95.91	360.33	0.00	0.00	0.00	101.31
				12	95.83	-0.30	0.00	95.83	360.33	0.00	0.00	0.00	101.23
				13	96.20	0.88	0.00	96.20	360.33	0.00	0.00	0.00	100.79
				14	96.33	0.88	0.00	96.33	360.33	0.00	0.00	0.00	100.79
				15	96.17	0.73	0.00	96.17	360.33	0.00	0.00	0.00	100.90
				16	96.31	0.73	0.00	96.31	360.33	0.00	0.00	0.00	100.90
				17	96.39	0.27	0.00	96.39	360.33	0.00	0.00	0.00	101.25
				18	96.30	-0.22	0.00	96.30	360.33	0.00	0.00	0.00	101.29
				19	96.37	0.19	0.00	96.37	360.33	0.00	0.00	0.00	101.31
				20	96.29	-0.30	0.00	96.29	360.33	0.00	0.00	0.00	101.23
				21	95.90	-0.76	0.00	95.90	360.33	0.00	0.00	0.00	100.88
				22	96.04	-0.76	0.00	96.04	360.33	0.00	0.00	0.00	100.88
				23	95.88	-0.91	0.00	95.88	360.33	0.00	0.00	0.00	100.77
				24	96.02	-0.91	0.00	96.02	360.33	0.00	0.00	0.00	100.77
				39	96.04	0.10	0.00	96.04	360.33	0.00	0.00	0.00	101.38
				40	96.01	-0.10	0.00	96.01	360.33	0.00	0.00	0.00	101.38
				41	96.04	0.07	0.00	96.04	360.33	0.00	0.00	0.00	101.40
				42	96.00	-0.13	0.00	96.00	360.33	0.00	0.00	0.00	101.36
				43	96.15	0.35	0.00	96.15	360.33	0.00	0.00	0.00	101.19
				44	96.20	0.35	0.00	96.20	360.33	0.00	0.00	0.00	101.19
				45	96.14	0.29	0.00	96.14	360.33	0.00	0.00	0.00	101.24
				46	96.19	0.29	0.00	96.19	360.33	0.00	0.00	0.00	101.24
				47	96.21	0.10	0.00	96.21	360.33	0.00	0.00	0.00	101.38
				48	96.18	-0.10	0.00	96.18	360.33	0.00	0.00	0.00	101.38
				49	96.21	0.07	0.00	96.21	360.33	0.00	0.00	0.00	101.40
				50	96.17	-0.13	0.00	96.17	360.33	0.00	0.00	0.00	101.36
				51	96.03	-0.31	0.00	96.03	360.33	0.00	0.00	0.00	101.22
				52	96.08	-0.31	0.00	96.08	360.33	0.00	0.00	0.00	101.22
				53	96.02	-0.37	0.00	96.02	360.33	0.00	0.00	0.00	101.17
				54	96.07	-0.37	0.00	96.07	360.33	0.00	0.00	0.00	101.17
18,26	0.800	7.830	0.800	9	265.34	-0.56	0.00	265.34	1011.24	0.00	0.00	0.00	284.57
				10	269.75	-1.98	0.00	269.75	1011.24	0.00	0.00	0.00	284.19
				11	265.94	-0.66	0.00	265.94	1011.24	0.00	0.00	0.00	284.55
				12	270.35	-2.08	0.00	270.35	1011.24	0.00	0.00	0.00	284.17
				13	260.33	1.19	0.00	260.33	1011.24	0.00	0.00	0.00	284.40
				14	260.65	1.22	0.00	260.65	1011.24	0.00	0.00	0.00	284.39
				15	261.43	1.00	0.00	261.43	1011.24	0.00	0.00	0.00	284.45
				16	261.76	1.04	0.00	261.76	1011.24	0.00	0.00	0.00	284.44
				17	266.43	-0.45	0.00	266.43	1011.24	0.00	0.00	0.00	284.61
				18	270.83	-1.87	0.00	270.83	1011.24	0.00	0.00	0.00	284.22
				19	267.02	-0.54	0.00	267.02	1011.24	0.00	0.00	0.00	284.58
				20	271.43	-1.97	0.00	271.43	1011.24	0.00	0.00	0.00	284.20
				21	275.02	-3.57	0.00	275.02	1011.24	0.00	0.00	0.00	283.78
				22	275.35	-3.53	0.00	275.35	1011.24	0.00	0.00	0.00	283.79

				23	276.12	-3.75	0.00	276.12	1011.24	0.00	0.00	0.00	283.74
				24	276.45	-3.71	0.00	276.45	1011.24	0.00	0.00	0.00	283.75
				39	267.19	-0.98	0.00	267.19	1011.24	0.00	0.00	0.00	284.46
				40	268.97	-1.55	0.00	268.97	1011.24	0.00	0.00	0.00	284.31
				41	267.42	-1.01	0.00	267.42	1011.24	0.00	0.00	0.00	284.45
				42	269.19	-1.59	0.00	269.19	1011.24	0.00	0.00	0.00	284.30
				43	265.15	-0.27	0.00	265.15	1011.24	0.00	0.00	0.00	284.65
				44	265.27	-0.26	0.00	265.27	1011.24	0.00	0.00	0.00	284.66
				45	265.59	-0.34	0.00	265.59	1011.24	0.00	0.00	0.00	284.63
				46	265.71	-0.33	0.00	265.71	1011.24	0.00	0.00	0.00	284.64
				47	267.58	-0.94	0.00	267.58	1011.24	0.00	0.00	0.00	284.47
				48	269.36	-1.51	0.00	269.36	1011.24	0.00	0.00	0.00	284.32
				49	267.81	-0.97	0.00	267.81	1011.24	0.00	0.00	0.00	284.46
				50	269.59	-1.55	0.00	269.59	1011.24	0.00	0.00	0.00	284.31
				51	271.07	-2.20	0.00	271.07	1011.24	0.00	0.00	0.00	284.14
				52	271.19	-2.19	0.00	271.19	1011.24	0.00	0.00	0.00	284.14
				53	271.51	-2.27	0.00	271.51	1011.24	0.00	0.00	0.00	284.12
				54	271.63	-2.26	0.00	271.63	1011.24	0.00	0.00	0.00	284.12
10,18	0.800	1.340	0.800	9	45.66	0.00	0.00	45.66	173.06	0.00	0.00	0.00	48.73
				10	47.18	-0.07	0.00	47.18	173.06	0.00	0.00	0.00	48.62
				11	45.89	-0.01	0.00	45.89	173.06	0.00	0.00	0.00	48.71
				12	47.41	-0.08	0.00	47.41	173.06	0.00	0.00	0.00	48.60
				13	43.86	0.09	0.00	43.86	173.06	0.00	0.00	0.00	48.58
				14	43.91	0.09	0.00	43.91	173.06	0.00	0.00	0.00	48.58
				15	44.28	0.07	0.00	44.28	173.06	0.00	0.00	0.00	48.62
				16	44.33	0.07	0.00	44.33	173.06	0.00	0.00	0.00	48.62
				17	45.85	0.00	0.00	45.85	173.06	0.00	0.00	0.00	48.73
				18	47.36	-0.07	0.00	47.36	173.06	0.00	0.00	0.00	48.62
				19	46.07	-0.01	0.00	46.07	173.06	0.00	0.00	0.00	48.71
				20	47.59	-0.08	0.00	47.59	173.06	0.00	0.00	0.00	48.60
				21	48.92	-0.15	0.00	48.92	173.06	0.00	0.00	0.00	48.50
				22	48.98	-0.15	0.00	48.98	173.06	0.00	0.00	0.00	48.51
				23	49.34	-0.17	0.00	49.34	173.06	0.00	0.00	0.00	48.47
				24	49.39	-0.17	0.00	49.39	173.06	0.00	0.00	0.00	48.47
				39	46.24	-0.02	0.00	46.24	173.06	0.00	0.00	0.00	48.69
				40	46.86	-0.05	0.00	46.86	173.06	0.00	0.00	0.00	48.64
				41	46.33	-0.03	0.00	46.33	173.06	0.00	0.00	0.00	48.68
				42	46.94	-0.06	0.00	46.94	173.06	0.00	0.00	0.00	48.64
				43	45.51	0.01	0.00	45.51	173.06	0.00	0.00	0.00	48.71
				44	45.53	0.01	0.00	45.53	173.06	0.00	0.00	0.00	48.71
				45	45.68	0.00	0.00	45.68	173.06	0.00	0.00	0.00	48.72
				46	45.70	0.00	0.00	45.70	173.06	0.00	0.00	0.00	48.72
				47	46.31	-0.02	0.00	46.31	173.06	0.00	0.00	0.00	48.69
				48	46.92	-0.05	0.00	46.92	173.06	0.00	0.00	0.00	48.64
				49	46.40	-0.03	0.00	46.40	173.06	0.00	0.00	0.00	48.68
				50	47.01	-0.06	0.00	47.01	173.06	0.00	0.00	0.00	48.64
				51	47.55	-0.09	0.00	47.55	173.06	0.00	0.00	0.00	48.60
				52	47.57	-0.09	0.00	47.57	173.06	0.00	0.00	0.00	48.60
				53	47.72	-0.09	0.00	47.72	173.06	0.00	0.00	0.00	48.58
				54	47.74	-0.09	0.00	47.74	173.06	0.00	0.00	0.00	48.58
42,51	0.800	1.340	0.800	9	48.65	0.11	0.00	48.65	173.06	0.00	0.00	0.00	48.56
				10	47.26	0.04	0.00	47.26	173.06	0.00	0.00	0.00	48.66
				11	48.60	0.11	0.00	48.60	173.06	0.00	0.00	0.00	48.56
				12	47.21	0.04	0.00	47.21	173.06	0.00	0.00	0.00	48.66
				13	50.32	0.19	0.00	50.32	173.06	0.00	0.00	0.00	48.45
				14	50.33	0.19	0.00	50.33	173.06	0.00	0.00	0.00	48.45
				15	50.22	0.19	0.00	50.22	173.06	0.00	0.00	0.00	48.46
				16	50.23	0.19	0.00	50.23	173.06	0.00	0.00	0.00	48.45
				17	48.70	0.12	0.00	48.70	173.06	0.00	0.00	0.00	48.56
				18	47.31	0.05	0.00	47.31	173.06	0.00	0.00	0.00	48.65
				19	48.65	0.11	0.00	48.65	173.06	0.00	0.00	0.00	48.56
				20	47.25	0.05	0.00	47.25	173.06	0.00	0.00	0.00	48.66
				21	45.68	-0.03	0.00	45.68	173.06	0.00	0.00	0.00	48.68
				22	45.69	-0.03	0.00	45.69	173.06	0.00	0.00	0.00	48.68

				23	45.57	-0.04	0.00	45.57	173.06	0.00	0.00	0.00	48.67
				24	45.59	-0.04	0.00	45.59	173.06	0.00	0.00	0.00	48.67
				39	48.24	0.09	0.00	48.24	173.06	0.00	0.00	0.00	48.59
				40	47.68	0.06	0.00	47.68	173.06	0.00	0.00	0.00	48.63
				41	48.22	0.09	0.00	48.22	173.06	0.00	0.00	0.00	48.59
				42	47.65	0.06	0.00	47.65	173.06	0.00	0.00	0.00	48.63
				43	48.91	0.12	0.00	48.91	173.06	0.00	0.00	0.00	48.54
				44	48.91	0.12	0.00	48.91	173.06	0.00	0.00	0.00	48.54
				45	48.87	0.12	0.00	48.87	173.06	0.00	0.00	0.00	48.55
				46	48.87	0.12	0.00	48.87	173.06	0.00	0.00	0.00	48.54
				47	48.25	0.09	0.00	48.25	173.06	0.00	0.00	0.00	48.59
				48	47.69	0.07	0.00	47.69	173.06	0.00	0.00	0.00	48.63
				49	48.23	0.09	0.00	48.23	173.06	0.00	0.00	0.00	48.59
				50	47.67	0.06	0.00	47.67	173.06	0.00	0.00	0.00	48.63
				51	47.04	0.03	0.00	47.04	173.06	0.00	0.00	0.00	48.67
				52	47.04	0.03	0.00	47.04	173.06	0.00	0.00	0.00	48.67
				53	47.00	0.03	0.00	47.00	173.06	0.00	0.00	0.00	48.68
				54	47.00	0.03	0.00	47.00	173.06	0.00	0.00	0.00	48.68
33,42	0.800	7.830	0.800	9	273.38	6.19	0.00	273.38	1011.24	0.00	0.00	0.00	283.08
				10	269.27	5.41	0.00	269.27	1011.24	0.00	0.00	0.00	283.27
				11	273.16	6.23	0.00	273.16	1011.24	0.00	0.00	0.00	283.07
				12	269.05	5.45	0.00	269.05	1011.24	0.00	0.00	0.00	283.25
				13	278.19	7.27	0.00	278.19	1011.24	0.00	0.00	0.00	282.83
				14	278.12	7.44	0.00	278.12	1011.24	0.00	0.00	0.00	282.78
				15	277.78	7.36	0.00	277.78	1011.24	0.00	0.00	0.00	282.80
				16	277.71	7.52	0.00	277.71	1011.24	0.00	0.00	0.00	282.76
				17	273.14	6.74	0.00	273.14	1011.24	0.00	0.00	0.00	282.93
				18	269.03	5.97	0.00	269.03	1011.24	0.00	0.00	0.00	283.11
				19	272.92	6.79	0.00	272.92	1011.24	0.00	0.00	0.00	282.92
				20	268.81	6.01	0.00	268.81	1011.24	0.00	0.00	0.00	283.10
				21	264.48	4.67	0.00	264.48	1011.24	0.00	0.00	0.00	283.44
				22	264.41	4.84	0.00	264.41	1011.24	0.00	0.00	0.00	283.40
				23	264.08	4.76	0.00	264.08	1011.24	0.00	0.00	0.00	283.42
				24	264.01	4.93	0.00	264.01	1011.24	0.00	0.00	0.00	283.37
				39	272.01	6.14	0.00	272.01	1011.24	0.00	0.00	0.00	283.08
				40	270.35	5.83	0.00	270.35	1011.24	0.00	0.00	0.00	283.16
				41	271.93	6.16	0.00	271.93	1011.24	0.00	0.00	0.00	283.08
				42	270.27	5.85	0.00	270.27	1011.24	0.00	0.00	0.00	283.15
				43	273.96	6.57	0.00	273.96	1011.24	0.00	0.00	0.00	282.98
				44	273.93	6.63	0.00	273.93	1011.24	0.00	0.00	0.00	282.97
				45	273.80	6.61	0.00	273.80	1011.24	0.00	0.00	0.00	282.97
				46	273.77	6.67	0.00	273.77	1011.24	0.00	0.00	0.00	282.96
				47	271.93	6.35	0.00	271.93	1011.24	0.00	0.00	0.00	283.03
				48	270.27	6.03	0.00	270.27	1011.24	0.00	0.00	0.00	283.10
				49	271.84	6.37	0.00	271.84	1011.24	0.00	0.00	0.00	283.02
				50	270.18	6.05	0.00	270.18	1011.24	0.00	0.00	0.00	283.10
				51	268.43	5.53	0.00	268.43	1011.24	0.00	0.00	0.00	283.23
				52	268.40	5.59	0.00	268.40	1011.24	0.00	0.00	0.00	283.21
				53	268.26	5.56	0.00	268.26	1011.24	0.00	0.00	0.00	283.22
				54	268.24	5.62	0.00	268.24	1011.24	0.00	0.00	0.00	283.20
25,33	0.800	2.790	0.800	9	96.45	0.24	0.00	96.45	360.33	0.00	0.00	0.00	101.27
				10	96.36	-0.24	0.00	96.36	360.33	0.00	0.00	0.00	101.27
				11	96.45	0.21	0.00	96.45	360.33	0.00	0.00	0.00	101.29
				12	96.36	-0.27	0.00	96.36	360.33	0.00	0.00	0.00	101.25
				13	96.48	0.82	0.00	96.48	360.33	0.00	0.00	0.00	100.84
				14	96.42	0.82	0.00	96.42	360.33	0.00	0.00	0.00	100.84
				15	96.47	0.77	0.00	96.47	360.33	0.00	0.00	0.00	100.88
				16	96.40	0.77	0.00	96.40	360.33	0.00	0.00	0.00	100.88
				17	96.23	0.24	0.00	96.23	360.33	0.00	0.00	0.00	101.27
				18	96.14	-0.24	0.00	96.14	360.33	0.00	0.00	0.00	101.27
				19	96.22	0.21	0.00	96.22	360.33	0.00	0.00	0.00	101.29
				20	96.13	-0.27	0.00	96.13	360.33	0.00	0.00	0.00	101.25
				21	96.18	-0.79	0.00	96.18	360.33	0.00	0.00	0.00	100.85
				22	96.11	-0.79	0.00	96.11	360.33	0.00	0.00	0.00	100.85

				23	96.17	-0.85	0.00	96.17	360.33	0.00	0.00	0.00	100.81
				24	96.10	-0.85	0.00	96.10	360.33	0.00	0.00	0.00	100.81
				39	96.35	0.09	0.00	96.35	360.33	0.00	0.00	0.00	101.39
				40	96.32	-0.11	0.00	96.32	360.33	0.00	0.00	0.00	101.37
				41	96.35	0.08	0.00	96.35	360.33	0.00	0.00	0.00	101.40
				42	96.31	-0.12	0.00	96.31	360.33	0.00	0.00	0.00	101.37
				43	96.37	0.32	0.00	96.37	360.33	0.00	0.00	0.00	101.21
				44	96.34	0.32	0.00	96.34	360.33	0.00	0.00	0.00	101.21
				45	96.36	0.30	0.00	96.36	360.33	0.00	0.00	0.00	101.23
				46	96.34	0.30	0.00	96.34	360.33	0.00	0.00	0.00	101.23
				47	96.27	0.09	0.00	96.27	360.33	0.00	0.00	0.00	101.39
				48	96.24	-0.11	0.00	96.24	360.33	0.00	0.00	0.00	101.37
				49	96.27	0.08	0.00	96.27	360.33	0.00	0.00	0.00	101.40
				50	96.23	-0.12	0.00	96.23	360.33	0.00	0.00	0.00	101.37
				51	96.25	-0.33	0.00	96.25	360.33	0.00	0.00	0.00	101.21
				52	96.22	-0.33	0.00	96.22	360.33	0.00	0.00	0.00	101.21
				53	96.24	-0.35	0.00	96.24	360.33	0.00	0.00	0.00	101.19
				54	96.22	-0.35	0.00	96.22	360.33	0.00	0.00	0.00	101.19
17,25	0.800	7.830	0.800	9	266.67	-0.14	0.00	266.67	1011.24	0.00	0.00	0.00	284.69
				10	270.93	-1.56	0.00	270.93	1011.24	0.00	0.00	0.00	284.31
				11	266.88	-0.14	0.00	266.88	1011.24	0.00	0.00	0.00	284.69
				12	271.15	-1.56	0.00	271.15	1011.24	0.00	0.00	0.00	284.31
				13	261.51	1.33	0.00	261.51	1011.24	0.00	0.00	0.00	284.36
				14	261.44	1.17	0.00	261.44	1011.24	0.00	0.00	0.00	284.40
				15	261.91	1.33	0.00	261.91	1011.24	0.00	0.00	0.00	284.36
				16	261.84	1.17	0.00	261.84	1011.24	0.00	0.00	0.00	284.40
				17	266.42	-0.68	0.00	266.42	1011.24	0.00	0.00	0.00	284.54
				18	270.69	-2.11	0.00	270.69	1011.24	0.00	0.00	0.00	284.16
				19	266.64	-0.68	0.00	266.64	1011.24	0.00	0.00	0.00	284.54
				20	270.91	-2.11	0.00	270.91	1011.24	0.00	0.00	0.00	284.16
				21	275.74	-3.41	0.00	275.74	1011.24	0.00	0.00	0.00	283.83
				22	275.67	-3.58	0.00	275.67	1011.24	0.00	0.00	0.00	283.78
				23	276.14	-3.41	0.00	276.14	1011.24	0.00	0.00	0.00	283.83
				24	276.06	-3.58	0.00	276.06	1011.24	0.00	0.00	0.00	283.78
				39	267.93	-0.73	0.00	267.93	1011.24	0.00	0.00	0.00	284.53
				40	269.65	-1.31	0.00	269.65	1011.24	0.00	0.00	0.00	284.37
				41	268.01	-0.74	0.00	268.01	1011.24	0.00	0.00	0.00	284.53
				42	269.73	-1.31	0.00	269.73	1011.24	0.00	0.00	0.00	284.37
				43	265.85	-0.13	0.00	265.85	1011.24	0.00	0.00	0.00	284.69
				44	265.83	-0.19	0.00	265.83	1011.24	0.00	0.00	0.00	284.67
				45	266.01	-0.13	0.00	266.01	1011.24	0.00	0.00	0.00	284.69
				46	265.99	-0.19	0.00	265.99	1011.24	0.00	0.00	0.00	284.67
				47	267.84	-0.93	0.00	267.84	1011.24	0.00	0.00	0.00	284.47
				48	269.56	-1.51	0.00	269.56	1011.24	0.00	0.00	0.00	284.32
				49	267.92	-0.93	0.00	267.92	1011.24	0.00	0.00	0.00	284.47
				50	269.65	-1.51	0.00	269.65	1011.24	0.00	0.00	0.00	284.32
				51	271.59	-2.05	0.00	271.59	1011.24	0.00	0.00	0.00	284.18
				52	271.56	-2.11	0.00	271.56	1011.24	0.00	0.00	0.00	284.16
				53	271.75	-2.05	0.00	271.75	1011.24	0.00	0.00	0.00	284.18
				54	271.72	-2.11	0.00	271.72	1011.24	0.00	0.00	0.00	284.16
9,17	0.800	1.340	0.800	9	45.88	-0.00	0.00	45.88	173.06	0.00	0.00	0.00	48.72
				10	47.38	-0.07	0.00	47.38	173.06	0.00	0.00	0.00	48.61
				11	45.94	-0.01	0.00	45.94	173.06	0.00	0.00	0.00	48.72
				12	47.44	-0.08	0.00	47.44	173.06	0.00	0.00	0.00	48.61
				13	44.12	0.08	0.00	44.12	173.06	0.00	0.00	0.00	48.59
				14	44.13	0.08	0.00	44.13	173.06	0.00	0.00	0.00	48.60
				15	44.23	0.08	0.00	44.23	173.06	0.00	0.00	0.00	48.60
				16	44.24	0.07	0.00	44.24	173.06	0.00	0.00	0.00	48.60
				17	45.92	-0.01	0.00	45.92	173.06	0.00	0.00	0.00	48.72
				18	47.42	-0.08	0.00	47.42	173.06	0.00	0.00	0.00	48.61
				19	45.98	-0.01	0.00	45.98	173.06	0.00	0.00	0.00	48.71
				20	47.48	-0.08	0.00	47.48	173.06	0.00	0.00	0.00	48.60
				21	49.12	-0.16	0.00	49.12	173.06	0.00	0.00	0.00	48.49
				22	49.13	-0.16	0.00	49.13	173.06	0.00	0.00	0.00	48.49

				23	49.23	-0.16	0.00	49.23	173.06	0.00	0.00	0.00	48.49
				24	49.25	-0.16	0.00	49.25	173.06	0.00	0.00	0.00	48.48
				39	46.36	-0.03	0.00	46.36	173.06	0.00	0.00	0.00	48.69
				40	46.97	-0.05	0.00	46.97	173.06	0.00	0.00	0.00	48.64
				41	46.38	-0.03	0.00	46.38	173.06	0.00	0.00	0.00	48.68
				42	46.99	-0.06	0.00	46.99	173.06	0.00	0.00	0.00	48.64
				43	45.65	0.01	0.00	45.65	173.06	0.00	0.00	0.00	48.71
				44	45.65	0.01	0.00	45.65	173.06	0.00	0.00	0.00	48.72
				45	45.69	0.01	0.00	45.69	173.06	0.00	0.00	0.00	48.72
				46	45.70	0.01	0.00	45.70	173.06	0.00	0.00	0.00	48.72
				47	46.38	-0.03	0.00	46.38	173.06	0.00	0.00	0.00	48.68
				48	46.98	-0.06	0.00	46.98	173.06	0.00	0.00	0.00	48.64
				49	46.40	-0.03	0.00	46.40	173.06	0.00	0.00	0.00	48.68
				50	47.00	-0.06	0.00	47.00	173.06	0.00	0.00	0.00	48.64
				51	47.67	-0.09	0.00	47.67	173.06	0.00	0.00	0.00	48.59
				52	47.67	-0.09	0.00	47.67	173.06	0.00	0.00	0.00	48.59
				53	47.71	-0.09	0.00	47.71	173.06	0.00	0.00	0.00	48.59
				54	47.72	-0.09	0.00	47.72	173.06	0.00	0.00	0.00	48.59
41,50	0.800	1.340	0.800	9	48.81	0.10	0.00	48.81	173.06	0.00	0.00	0.00	48.57
				10	47.46	0.03	0.00	47.46	173.06	0.00	0.00	0.00	48.69
				11	48.96	0.12	0.00	48.96	173.06	0.00	0.00	0.00	48.56
				12	47.62	0.04	0.00	47.62	173.06	0.00	0.00	0.00	48.67
				13	50.22	0.19	0.00	50.22	173.06	0.00	0.00	0.00	48.45
				14	50.14	0.20	0.00	50.14	173.06	0.00	0.00	0.00	48.44
				15	50.50	0.21	0.00	50.50	173.06	0.00	0.00	0.00	48.42
				16	50.42	0.22	0.00	50.42	173.06	0.00	0.00	0.00	48.41
				17	48.53	0.11	0.00	48.53	173.06	0.00	0.00	0.00	48.56
				18	47.18	0.04	0.00	47.18	173.06	0.00	0.00	0.00	48.67
				19	48.68	0.12	0.00	48.68	173.06	0.00	0.00	0.00	48.54
				20	47.33	0.05	0.00	47.33	173.06	0.00	0.00	0.00	48.66
				21	45.73	-0.07	0.00	45.73	173.06	0.00	0.00	0.00	48.62
				22	45.64	-0.06	0.00	45.64	173.06	0.00	0.00	0.00	48.63
				23	46.01	-0.05	0.00	46.01	173.06	0.00	0.00	0.00	48.65
				24	45.92	-0.04	0.00	45.92	173.06	0.00	0.00	0.00	48.66
				39	48.36	0.09	0.00	48.36	173.06	0.00	0.00	0.00	48.60
				40	47.83	0.06	0.00	47.83	173.06	0.00	0.00	0.00	48.64
				41	48.42	0.09	0.00	48.42	173.06	0.00	0.00	0.00	48.59
				42	47.89	0.06	0.00	47.89	173.06	0.00	0.00	0.00	48.64
				43	48.92	0.12	0.00	48.92	173.06	0.00	0.00	0.00	48.55
				44	48.89	0.12	0.00	48.89	173.06	0.00	0.00	0.00	48.54
				45	49.04	0.13	0.00	49.04	173.06	0.00	0.00	0.00	48.53
				46	49.00	0.13	0.00	49.00	173.06	0.00	0.00	0.00	48.53
				47	48.26	0.09	0.00	48.26	173.06	0.00	0.00	0.00	48.59
				48	47.72	0.06	0.00	47.72	173.06	0.00	0.00	0.00	48.64
				49	48.32	0.09	0.00	48.32	173.06	0.00	0.00	0.00	48.59
				50	47.78	0.06	0.00	47.78	173.06	0.00	0.00	0.00	48.63
				51	47.14	0.02	0.00	47.14	173.06	0.00	0.00	0.00	48.70
				52	47.11	0.02	0.00	47.11	173.06	0.00	0.00	0.00	48.70
				53	47.25	0.03	0.00	47.25	173.06	0.00	0.00	0.00	48.68
				54	47.22	0.03	0.00	47.22	173.06	0.00	0.00	0.00	48.68
32,41	0.800	7.830	0.800	9	276.32	3.19	0.00	276.32	1011.24	0.00	0.00	0.00	283.89
				10	273.13	2.17	0.00	273.13	1011.24	0.00	0.00	0.00	284.15
				11	276.40	3.48	0.00	276.40	1011.24	0.00	0.00	0.00	283.81
				12	273.20	2.46	0.00	273.20	1011.24	0.00	0.00	0.00	284.07
				13	278.50	5.66	0.00	278.50	1011.24	0.00	0.00	0.00	283.25
				14	277.21	6.86	0.00	277.21	1011.24	0.00	0.00	0.00	282.93
				15	278.64	6.20	0.00	278.64	1011.24	0.00	0.00	0.00	283.11
				16	277.35	7.40	0.00	277.35	1011.24	0.00	0.00	0.00	282.79
				17	272.01	7.20	0.00	272.01	1011.24	0.00	0.00	0.00	282.80
				18	268.82	6.18	0.00	268.82	1011.24	0.00	0.00	0.00	283.06
				19	272.09	7.49	0.00	272.09	1011.24	0.00	0.00	0.00	282.72
				20	268.89	6.47	0.00	268.89	1011.24	0.00	0.00	0.00	282.98
				21	267.86	2.26	0.00	267.86	1011.24	0.00	0.00	0.00	284.11
				22	266.57	3.46	0.00	266.57	1011.24	0.00	0.00	0.00	283.78

				23	268.00	2.80	0.00	268.00	1011.24	0.00	0.00	0.00	283.97
				24	266.71	4.00	0.00	266.71	1011.24	0.00	0.00	0.00	283.64
				39	274.01	4.24	0.00	274.01	1011.24	0.00	0.00	0.00	283.60
				40	272.73	3.85	0.00	272.73	1011.24	0.00	0.00	0.00	283.70
				41	274.04	4.36	0.00	274.04	1011.24	0.00	0.00	0.00	283.57
				42	272.76	3.96	0.00	272.76	1011.24	0.00	0.00	0.00	283.67
				43	274.95	5.16	0.00	274.95	1011.24	0.00	0.00	0.00	283.36
				44	274.48	5.59	0.00	274.48	1011.24	0.00	0.00	0.00	283.25
				45	275.01	5.37	0.00	275.01	1011.24	0.00	0.00	0.00	283.31
				46	274.54	5.81	0.00	274.54	1011.24	0.00	0.00	0.00	283.19
				47	272.45	5.70	0.00	272.45	1011.24	0.00	0.00	0.00	283.21
				48	271.17	5.30	0.00	271.17	1011.24	0.00	0.00	0.00	283.30
				49	272.48	5.81	0.00	272.48	1011.24	0.00	0.00	0.00	283.18
				50	271.20	5.42	0.00	271.20	1011.24	0.00	0.00	0.00	283.27
				51	270.68	3.85	0.00	270.68	1011.24	0.00	0.00	0.00	283.69
				52	270.21	4.29	0.00	270.21	1011.24	0.00	0.00	0.00	283.57
				53	270.73	4.07	0.00	270.73	1011.24	0.00	0.00	0.00	283.64
				54	270.26	4.50	0.00	270.26	1011.24	0.00	0.00	0.00	283.52
24,32	0.800	2.790	0.800	9	98.50	0.17	0.00	98.50	360.33	0.00	0.00	0.00	101.33
				10	98.41	-0.20	0.00	98.41	360.33	0.00	0.00	0.00	101.30
				11	98.50	0.17	0.00	98.50	360.33	0.00	0.00	0.00	101.33
				12	98.40	-0.20	0.00	98.40	360.33	0.00	0.00	0.00	101.31
				13	97.72	0.60	0.00	97.72	360.33	0.00	0.00	0.00	101.01
				14	96.95	0.60	0.00	96.95	360.33	0.00	0.00	0.00	101.01
				15	97.71	0.61	0.00	97.71	360.33	0.00	0.00	0.00	101.00
				16	96.94	0.61	0.00	96.94	360.33	0.00	0.00	0.00	101.00
				17	95.94	0.17	0.00	95.94	360.33	0.00	0.00	0.00	101.33
				18	95.85	-0.21	0.00	95.85	360.33	0.00	0.00	0.00	101.30
				19	95.94	0.17	0.00	95.94	360.33	0.00	0.00	0.00	101.32
				20	95.84	-0.20	0.00	95.84	360.33	0.00	0.00	0.00	101.30
				21	97.40	-0.64	0.00	97.40	360.33	0.00	0.00	0.00	100.98
				22	96.63	-0.64	0.00	96.63	360.33	0.00	0.00	0.00	100.97
				23	97.39	-0.63	0.00	97.39	360.33	0.00	0.00	0.00	100.98
				24	96.62	-0.63	0.00	96.62	360.33	0.00	0.00	0.00	100.98
				39	97.66	0.06	0.00	97.66	360.33	0.00	0.00	0.00	101.41
				40	97.62	-0.09	0.00	97.62	360.33	0.00	0.00	0.00	101.39
				41	97.65	0.06	0.00	97.65	360.33	0.00	0.00	0.00	101.41
				42	97.62	-0.09	0.00	97.62	360.33	0.00	0.00	0.00	101.39
				43	97.38	0.23	0.00	97.38	360.33	0.00	0.00	0.00	101.28
				44	97.10	0.23	0.00	97.10	360.33	0.00	0.00	0.00	101.28
				45	97.37	0.24	0.00	97.37	360.33	0.00	0.00	0.00	101.28
				46	97.09	0.24	0.00	97.09	360.33	0.00	0.00	0.00	101.28
				47	96.73	0.06	0.00	96.73	360.33	0.00	0.00	0.00	101.41
				48	96.69	-0.09	0.00	96.69	360.33	0.00	0.00	0.00	101.38
				49	96.73	0.06	0.00	96.73	360.33	0.00	0.00	0.00	101.41
				50	96.69	-0.09	0.00	96.69	360.33	0.00	0.00	0.00	101.39
				51	97.25	-0.27	0.00	97.25	360.33	0.00	0.00	0.00	101.25
				52	96.97	-0.27	0.00	96.97	360.33	0.00	0.00	0.00	101.25
				53	97.24	-0.26	0.00	97.24	360.33	0.00	0.00	0.00	101.26
				54	96.97	-0.26	0.00	96.97	360.33	0.00	0.00	0.00	101.26
16,24	0.800	7.830	0.800	9	270.91	2.94	0.00	270.91	1011.24	0.00	0.00	0.00	283.94
				10	273.91	1.35	0.00	273.91	1011.24	0.00	0.00	0.00	284.37
				11	270.82	3.22	0.00	270.82	1011.24	0.00	0.00	0.00	283.86
				12	273.81	1.63	0.00	273.81	1011.24	0.00	0.00	0.00	284.29
				13	266.03	3.20	0.00	266.03	1011.24	0.00	0.00	0.00	283.85
				14	264.81	1.94	0.00	264.81	1011.24	0.00	0.00	0.00	284.19
				15	265.86	3.72	0.00	265.86	1011.24	0.00	0.00	0.00	283.71
				16	264.63	2.46	0.00	264.63	1011.24	0.00	0.00	0.00	284.05
				17	266.83	-1.27	0.00	266.83	1011.24	0.00	0.00	0.00	284.38
				18	269.83	-2.86	0.00	269.83	1011.24	0.00	0.00	0.00	283.96
				19	266.74	-0.98	0.00	266.74	1011.24	0.00	0.00	0.00	284.46
				20	269.73	-2.57	0.00	269.73	1011.24	0.00	0.00	0.00	284.03
				21	276.01	-2.10	0.00	276.01	1011.24	0.00	0.00	0.00	284.17
				22	274.79	-3.36	0.00	274.79	1011.24	0.00	0.00	0.00	283.84

				23	275.83	-1.57	0.00	275.83	1011.24	0.00	0.00	0.00	284.31
				24	274.61	-2.83	0.00	274.61	1011.24	0.00	0.00	0.00	283.98
				39	270.48	1.20	0.00	270.48	1011.24	0.00	0.00	0.00	284.40
				40	271.68	0.58	0.00	271.68	1011.24	0.00	0.00	0.00	284.57
				41	270.44	1.31	0.00	270.44	1011.24	0.00	0.00	0.00	284.37
				42	271.65	0.69	0.00	271.65	1011.24	0.00	0.00	0.00	284.54
				43	268.57	1.34	0.00	268.57	1011.24	0.00	0.00	0.00	284.36
				44	268.13	0.89	0.00	268.13	1011.24	0.00	0.00	0.00	284.49
				45	268.50	1.55	0.00	268.50	1011.24	0.00	0.00	0.00	284.31
				46	268.05	1.10	0.00	268.05	1011.24	0.00	0.00	0.00	284.43
				47	269.00	-0.32	0.00	269.00	1011.24	0.00	0.00	0.00	284.64
				48	270.20	-0.94	0.00	270.20	1011.24	0.00	0.00	0.00	284.47
				49	268.96	-0.21	0.00	268.96	1011.24	0.00	0.00	0.00	284.67
				50	270.17	-0.83	0.00	270.17	1011.24	0.00	0.00	0.00	284.50
				51	272.59	-0.73	0.00	272.59	1011.24	0.00	0.00	0.00	284.53
				52	272.15	-1.19	0.00	272.15	1011.24	0.00	0.00	0.00	284.41
				53	272.52	-0.52	0.00	272.52	1011.24	0.00	0.00	0.00	284.59
				54	272.07	-0.98	0.00	272.07	1011.24	0.00	0.00	0.00	284.47
8,16	0.800	1.340	0.800	9	46.27	0.00	0.00	46.27	173.06	0.00	0.00	0.00	48.72
				10	47.71	-0.08	0.00	47.71	173.06	0.00	0.00	0.00	48.61
				11	46.12	0.01	0.00	46.12	173.06	0.00	0.00	0.00	48.71
				12	47.55	-0.07	0.00	47.55	173.06	0.00	0.00	0.00	48.62
				13	44.58	0.09	0.00	44.58	173.06	0.00	0.00	0.00	48.58
				14	44.51	0.09	0.00	44.51	173.06	0.00	0.00	0.00	48.59
				15	44.30	0.11	0.00	44.30	173.06	0.00	0.00	0.00	48.55
				16	44.23	0.11	0.00	44.23	173.06	0.00	0.00	0.00	48.55
				17	46.04	-0.01	0.00	46.04	173.06	0.00	0.00	0.00	48.72
				18	47.47	-0.09	0.00	47.47	173.06	0.00	0.00	0.00	48.59
				19	45.89	0.00	0.00	45.89	173.06	0.00	0.00	0.00	48.72
				20	47.32	-0.08	0.00	47.32	173.06	0.00	0.00	0.00	48.61
				21	49.36	-0.18	0.00	49.36	173.06	0.00	0.00	0.00	48.46
				22	49.29	-0.19	0.00	49.29	173.06	0.00	0.00	0.00	48.45
				23	49.08	-0.16	0.00	49.08	173.06	0.00	0.00	0.00	48.49
				24	49.01	-0.16	0.00	49.01	173.06	0.00	0.00	0.00	48.48
				39	46.58	-0.02	0.00	46.58	173.06	0.00	0.00	0.00	48.69
				40	47.15	-0.05	0.00	47.15	173.06	0.00	0.00	0.00	48.64
				41	46.52	-0.02	0.00	46.52	173.06	0.00	0.00	0.00	48.70
				42	47.09	-0.05	0.00	47.09	173.06	0.00	0.00	0.00	48.65
				43	45.92	0.01	0.00	45.92	173.06	0.00	0.00	0.00	48.71
				44	45.89	0.01	0.00	45.89	173.06	0.00	0.00	0.00	48.71
				45	45.80	0.02	0.00	45.80	173.06	0.00	0.00	0.00	48.70
				46	45.78	0.02	0.00	45.78	173.06	0.00	0.00	0.00	48.70
				47	46.50	-0.03	0.00	46.50	173.06	0.00	0.00	0.00	48.69
				48	47.07	-0.06	0.00	47.07	173.06	0.00	0.00	0.00	48.64
				49	46.44	-0.02	0.00	46.44	173.06	0.00	0.00	0.00	48.69
				50	47.01	-0.05	0.00	47.01	173.06	0.00	0.00	0.00	48.64
				51	47.81	-0.10	0.00	47.81	173.06	0.00	0.00	0.00	48.58
				52	47.79	-0.10	0.00	47.79	173.06	0.00	0.00	0.00	48.58
				53	47.70	-0.09	0.00	47.70	173.06	0.00	0.00	0.00	48.59
				54	47.67	-0.09	0.00	47.67	173.06	0.00	0.00	0.00	48.59
40,49	0.800	1.340	0.800	9	49.27	0.16	0.00	49.27	173.06	0.00	0.00	0.00	48.50
				10	47.31	-0.03	0.00	47.31	173.06	0.00	0.00	0.00	48.68
				11	49.72	0.20	0.00	49.72	173.06	0.00	0.00	0.00	48.44
				12	47.76	0.01	0.00	47.76	173.06	0.00	0.00	0.00	48.71
				13	51.18	0.35	0.00	51.18	173.06	0.00	0.00	0.00	48.23
				14	51.03	0.35	0.00	51.03	173.06	0.00	0.00	0.00	48.23
				15	52.02	0.43	0.00	52.02	173.06	0.00	0.00	0.00	48.13
				16	51.87	0.42	0.00	51.87	173.06	0.00	0.00	0.00	48.13
				17	48.76	0.14	0.00	48.76	173.06	0.00	0.00	0.00	48.51
				18	46.80	-0.04	0.00	46.80	173.06	0.00	0.00	0.00	48.66
				19	49.21	0.19	0.00	49.21	173.06	0.00	0.00	0.00	48.45
				20	47.25	-0.00	0.00	47.25	173.06	0.00	0.00	0.00	48.73
				21	44.65	-0.27	0.00	44.65	173.06	0.00	0.00	0.00	48.29
				22	44.50	-0.27	0.00	44.50	173.06	0.00	0.00	0.00	48.28

				23	45.49	-0.19	0.00	45.49	173.06	0.00	0.00	0.00	48.42
				24	45.34	-0.20	0.00	45.34	173.06	0.00	0.00	0.00	48.41
				39	48.64	0.11	0.00	48.64	173.06	0.00	0.00	0.00	48.57
				40	47.89	0.04	0.00	47.89	173.06	0.00	0.00	0.00	48.67
				41	48.82	0.12	0.00	48.82	173.06	0.00	0.00	0.00	48.54
				42	48.06	0.05	0.00	48.06	173.06	0.00	0.00	0.00	48.65
				43	49.38	0.18	0.00	49.38	173.06	0.00	0.00	0.00	48.46
				44	49.32	0.18	0.00	49.32	173.06	0.00	0.00	0.00	48.46
				45	49.72	0.21	0.00	49.72	173.06	0.00	0.00	0.00	48.42
				46	49.66	0.21	0.00	49.66	173.06	0.00	0.00	0.00	48.42
				47	48.46	0.10	0.00	48.46	173.06	0.00	0.00	0.00	48.57
				48	47.70	0.03	0.00	47.70	173.06	0.00	0.00	0.00	48.68
				49	48.63	0.12	0.00	48.63	173.06	0.00	0.00	0.00	48.55
				50	47.88	0.05	0.00	47.88	173.06	0.00	0.00	0.00	48.66
				51	46.86	-0.06	0.00	46.86	173.06	0.00	0.00	0.00	48.64
				52	46.80	-0.06	0.00	46.80	173.06	0.00	0.00	0.00	48.64
				53	47.20	-0.03	0.00	47.20	173.06	0.00	0.00	0.00	48.69
				54	47.14	-0.03	0.00	47.14	173.06	0.00	0.00	0.00	48.68
31,40	0.800	7.830	0.800	9	273.53	6.89	0.00	273.53	1011.24	0.00	0.00	0.00	282.89
				10	275.61	3.02	0.00	275.61	1011.24	0.00	0.00	0.00	283.93
				11	273.14	7.90	0.00	273.14	1011.24	0.00	0.00	0.00	282.63
				12	275.22	4.03	0.00	275.22	1011.24	0.00	0.00	0.00	283.66
				13	270.88	10.23	0.00	270.88	1011.24	0.00	0.00	0.00	281.98
				14	270.54	9.58	0.00	270.54	1011.24	0.00	0.00	0.00	282.15
				15	270.16	12.08	0.00	270.16	1011.24	0.00	0.00	0.00	281.48
				16	269.82	11.43	0.00	269.82	1011.24	0.00	0.00	0.00	281.65
				17	272.42	4.73	0.00	272.42	1011.24	0.00	0.00	0.00	283.46
				18	274.50	0.86	0.00	274.50	1011.24	0.00	0.00	0.00	284.50
				19	272.03	5.73	0.00	272.03	1011.24	0.00	0.00	0.00	283.20
				20	274.11	1.86	0.00	274.11	1011.24	0.00	0.00	0.00	284.23
				21	277.82	-2.67	0.00	277.82	1011.24	0.00	0.00	0.00	284.03
				22	277.48	-3.32	0.00	277.48	1011.24	0.00	0.00	0.00	283.86
				23	277.10	-0.82	0.00	277.10	1011.24	0.00	0.00	0.00	284.51
				24	276.76	-1.47	0.00	276.76	1011.24	0.00	0.00	0.00	284.34
				39	273.69	5.32	0.00	273.69	1011.24	0.00	0.00	0.00	283.31
				40	274.50	3.84	0.00	274.50	1011.24	0.00	0.00	0.00	283.71
				41	273.54	5.71	0.00	273.54	1011.24	0.00	0.00	0.00	283.21
				42	274.35	4.22	0.00	274.35	1011.24	0.00	0.00	0.00	283.61
				43	272.66	6.60	0.00	272.66	1011.24	0.00	0.00	0.00	282.97
				44	272.54	6.36	0.00	272.54	1011.24	0.00	0.00	0.00	283.03
				45	272.38	7.34	0.00	272.38	1011.24	0.00	0.00	0.00	282.77
				46	272.26	7.11	0.00	272.26	1011.24	0.00	0.00	0.00	282.83
				47	273.29	4.53	0.00	273.29	1011.24	0.00	0.00	0.00	283.52
				48	274.10	3.05	0.00	274.10	1011.24	0.00	0.00	0.00	283.92
				49	273.14	4.92	0.00	273.14	1011.24	0.00	0.00	0.00	283.42
				50	273.95	3.43	0.00	273.95	1011.24	0.00	0.00	0.00	283.82
				51	275.39	1.65	0.00	275.39	1011.24	0.00	0.00	0.00	284.29
				52	275.27	1.41	0.00	275.27	1011.24	0.00	0.00	0.00	284.35
				53	275.10	2.39	0.00	275.10	1011.24	0.00	0.00	0.00	284.10
				54	274.98	2.15	0.00	274.98	1011.24	0.00	0.00	0.00	284.16
23,31	0.800	2.790	0.800	9	97.70	-0.15	0.00	97.70	360.33	0.00	0.00	0.00	101.35
				10	97.63	0.15	0.00	97.63	360.33	0.00	0.00	0.00	101.34
				11	97.72	-0.21	0.00	97.72	360.33	0.00	0.00	0.00	101.30
				12	97.65	0.09	0.00	97.65	360.33	0.00	0.00	0.00	101.39
				13	97.80	-0.46	0.00	97.80	360.33	0.00	0.00	0.00	101.11
				14	97.82	-0.46	0.00	97.82	360.33	0.00	0.00	0.00	101.11
				15	97.84	-0.58	0.00	97.84	360.33	0.00	0.00	0.00	101.02
				16	97.86	-0.58	0.00	97.86	360.33	0.00	0.00	0.00	101.02
				17	97.77	-0.15	0.00	97.77	360.33	0.00	0.00	0.00	101.35
				18	97.70	0.15	0.00	97.70	360.33	0.00	0.00	0.00	101.34
				19	97.79	-0.21	0.00	97.79	360.33	0.00	0.00	0.00	101.30
				20	97.72	0.08	0.00	97.72	360.33	0.00	0.00	0.00	101.39
				21	97.56	0.52	0.00	97.56	360.33	0.00	0.00	0.00	101.06
				22	97.58	0.52	0.00	97.58	360.33	0.00	0.00	0.00	101.06

				23	97.60	0.40	0.00	97.60	360.33	0.00	0.00	0.00	101.15
				24	97.62	0.40	0.00	97.62	360.33	0.00	0.00	0.00	101.15
				39	97.71	-0.07	0.00	97.71	360.33	0.00	0.00	0.00	101.40
				40	97.68	0.04	0.00	97.68	360.33	0.00	0.00	0.00	101.43
				41	97.71	-0.10	0.00	97.71	360.33	0.00	0.00	0.00	101.38
				42	97.69	0.01	0.00	97.69	360.33	0.00	0.00	0.00	101.44
				43	97.75	-0.20	0.00	97.75	360.33	0.00	0.00	0.00	101.31
				44	97.75	-0.20	0.00	97.75	360.33	0.00	0.00	0.00	101.31
				45	97.76	-0.25	0.00	97.76	360.33	0.00	0.00	0.00	101.27
				46	97.77	-0.25	0.00	97.77	360.33	0.00	0.00	0.00	101.27
				47	97.73	-0.08	0.00	97.73	360.33	0.00	0.00	0.00	101.40
				48	97.71	0.04	0.00	97.71	360.33	0.00	0.00	0.00	101.43
				49	97.74	-0.10	0.00	97.74	360.33	0.00	0.00	0.00	101.38
				50	97.71	0.01	0.00	97.71	360.33	0.00	0.00	0.00	101.44
				51	97.65	0.18	0.00	97.65	360.33	0.00	0.00	0.00	101.32
				52	97.66	0.18	0.00	97.66	360.33	0.00	0.00	0.00	101.32
				53	97.67	0.14	0.00	97.67	360.33	0.00	0.00	0.00	101.35
				54	97.68	0.14	0.00	97.68	360.33	0.00	0.00	0.00	101.35
15,23	0.800	7.830	0.800	9	272.86	1.56	0.00	272.86	1011.24	0.00	0.00	0.00	284.31
				10	270.94	-2.84	0.00	270.94	1011.24	0.00	0.00	0.00	283.97
				11	273.27	2.68	0.00	273.27	1011.24	0.00	0.00	0.00	284.01
				12	271.35	-1.71	0.00	271.35	1011.24	0.00	0.00	0.00	284.27
				13	274.59	6.86	0.00	274.59	1011.24	0.00	0.00	0.00	282.91
				14	274.32	7.41	0.00	274.32	1011.24	0.00	0.00	0.00	282.76
				15	275.36	8.94	0.00	275.36	1011.24	0.00	0.00	0.00	282.37
				16	275.08	9.49	0.00	275.08	1011.24	0.00	0.00	0.00	282.22
				17	271.93	3.40	0.00	271.93	1011.24	0.00	0.00	0.00	283.82
				18	270.01	-1.00	0.00	270.01	1011.24	0.00	0.00	0.00	284.46
				19	272.34	4.53	0.00	272.34	1011.24	0.00	0.00	0.00	283.52
				20	270.43	0.13	0.00	270.43	1011.24	0.00	0.00	0.00	284.69
				21	268.20	-7.80	0.00	268.20	1011.24	0.00	0.00	0.00	282.61
				22	267.93	-7.25	0.00	267.93	1011.24	0.00	0.00	0.00	282.76
				23	268.97	-5.72	0.00	268.97	1011.24	0.00	0.00	0.00	283.18
				24	268.69	-5.17	0.00	268.69	1011.24	0.00	0.00	0.00	283.33
				39	272.10	1.14	0.00	272.10	1011.24	0.00	0.00	0.00	284.42
				40	271.36	-0.55	0.00	271.36	1011.24	0.00	0.00	0.00	284.58
				41	272.26	1.57	0.00	272.26	1011.24	0.00	0.00	0.00	284.31
				42	271.52	-0.12	0.00	271.52	1011.24	0.00	0.00	0.00	284.70
				43	272.78	3.14	0.00	272.78	1011.24	0.00	0.00	0.00	283.89
				44	272.68	3.34	0.00	272.68	1011.24	0.00	0.00	0.00	283.84
				45	273.09	3.97	0.00	273.09	1011.24	0.00	0.00	0.00	283.67
				46	272.99	4.17	0.00	272.99	1011.24	0.00	0.00	0.00	283.62
				47	271.77	1.81	0.00	271.77	1011.24	0.00	0.00	0.00	284.24
				48	271.02	0.12	0.00	271.02	1011.24	0.00	0.00	0.00	284.69
				49	271.93	2.24	0.00	271.93	1011.24	0.00	0.00	0.00	284.13
				50	271.18	0.55	0.00	271.18	1011.24	0.00	0.00	0.00	284.58
				51	270.30	-2.49	0.00	270.30	1011.24	0.00	0.00	0.00	284.06
				52	270.20	-2.28	0.00	270.20	1011.24	0.00	0.00	0.00	284.11
				53	270.60	-1.65	0.00	270.60	1011.24	0.00	0.00	0.00	284.28
				54	270.50	-1.45	0.00	270.50	1011.24	0.00	0.00	0.00	284.34
7,15	0.800	1.340	0.800	9	46.39	0.03	0.00	46.39	173.06	0.00	0.00	0.00	48.68
				10	48.43	-0.16	0.00	48.43	173.06	0.00	0.00	0.00	48.49
				11	45.92	0.07	0.00	45.92	173.06	0.00	0.00	0.00	48.61
				12	47.96	-0.12	0.00	47.96	173.06	0.00	0.00	0.00	48.55
				13	44.06	0.24	0.00	44.06	173.06	0.00	0.00	0.00	48.34
				14	43.93	0.24	0.00	43.93	173.06	0.00	0.00	0.00	48.33
				15	43.20	0.31	0.00	43.20	173.06	0.00	0.00	0.00	48.20
				16	43.07	0.32	0.00	43.07	173.06	0.00	0.00	0.00	48.19
				17	45.97	0.04	0.00	45.97	173.06	0.00	0.00	0.00	48.66
				18	48.00	-0.15	0.00	48.00	173.06	0.00	0.00	0.00	48.50
				19	45.50	0.08	0.00	45.50	173.06	0.00	0.00	0.00	48.60
				20	47.54	-0.11	0.00	47.54	173.06	0.00	0.00	0.00	48.56
				21	50.86	-0.39	0.00	50.86	173.06	0.00	0.00	0.00	48.16
				22	50.73	-0.39	0.00	50.73	173.06	0.00	0.00	0.00	48.17

				23	49.99	-0.32	0.00	49.99	173.06	0.00	0.00	0.00	48.27
				24	49.87	-0.31	0.00	49.87	173.06	0.00	0.00	0.00	48.27
				39	46.74	-0.01	0.00	46.74	173.06	0.00	0.00	0.00	48.71
				40	47.53	-0.09	0.00	47.53	173.06	0.00	0.00	0.00	48.60
				41	46.56	0.00	0.00	46.56	173.06	0.00	0.00	0.00	48.72
				42	47.35	-0.07	0.00	47.35	173.06	0.00	0.00	0.00	48.62
				43	45.85	0.07	0.00	45.85	173.06	0.00	0.00	0.00	48.62
				44	45.80	0.07	0.00	45.80	173.06	0.00	0.00	0.00	48.62
				45	45.50	0.10	0.00	45.50	173.06	0.00	0.00	0.00	48.57
				46	45.45	0.10	0.00	45.45	173.06	0.00	0.00	0.00	48.57
				47	46.58	-0.01	0.00	46.58	173.06	0.00	0.00	0.00	48.71
				48	47.37	-0.08	0.00	47.37	173.06	0.00	0.00	0.00	48.60
				49	46.40	0.01	0.00	46.40	173.06	0.00	0.00	0.00	48.72
				50	47.19	-0.07	0.00	47.19	173.06	0.00	0.00	0.00	48.63
				51	48.47	-0.18	0.00	48.47	173.06	0.00	0.00	0.00	48.46
				52	48.43	-0.18	0.00	48.43	173.06	0.00	0.00	0.00	48.46
				53	48.13	-0.15	0.00	48.13	173.06	0.00	0.00	0.00	48.51
				54	48.08	-0.15	0.00	48.08	173.06	0.00	0.00	0.00	48.51
39,48	0.800	1.340	0.800	9	49.35	0.21	0.00	49.35	173.06	0.00	0.00	0.00	48.41
				10	47.18	-0.02	0.00	47.18	173.06	0.00	0.00	0.00	48.70
				11	50.07	0.28	0.00	50.07	173.06	0.00	0.00	0.00	48.32
				12	47.90	0.06	0.00	47.90	173.06	0.00	0.00	0.00	48.64
				13	51.29	0.44	0.00	51.29	173.06	0.00	0.00	0.00	48.10
				14	51.05	0.44	0.00	51.05	173.06	0.00	0.00	0.00	48.10
				15	52.62	0.57	0.00	52.62	173.06	0.00	0.00	0.00	47.94
				16	52.37	0.57	0.00	52.37	173.06	0.00	0.00	0.00	47.94
				17	48.54	0.20	0.00	48.54	173.06	0.00	0.00	0.00	48.43
				18	46.37	-0.03	0.00	46.37	173.06	0.00	0.00	0.00	48.68
				19	49.26	0.27	0.00	49.26	173.06	0.00	0.00	0.00	48.33
				20	47.09	0.04	0.00	47.09	173.06	0.00	0.00	0.00	48.66
				21	44.07	-0.32	0.00	44.07	173.06	0.00	0.00	0.00	48.21
				22	43.82	-0.32	0.00	43.82	173.06	0.00	0.00	0.00	48.20
				23	45.39	-0.19	0.00	45.39	173.06	0.00	0.00	0.00	48.43
				24	45.15	-0.19	0.00	45.15	173.06	0.00	0.00	0.00	48.42
				39	48.64	0.16	0.00	48.64	173.06	0.00	0.00	0.00	48.49
				40	47.81	0.07	0.00	47.81	173.06	0.00	0.00	0.00	48.62
				41	48.92	0.19	0.00	48.92	173.06	0.00	0.00	0.00	48.45
				42	48.09	0.10	0.00	48.09	173.06	0.00	0.00	0.00	48.58
				43	49.38	0.25	0.00	49.38	173.06	0.00	0.00	0.00	48.36
				44	49.30	0.25	0.00	49.30	173.06	0.00	0.00	0.00	48.37
				45	49.91	0.30	0.00	49.91	173.06	0.00	0.00	0.00	48.29
				46	49.83	0.30	0.00	49.83	173.06	0.00	0.00	0.00	48.29
				47	48.35	0.15	0.00	48.35	173.06	0.00	0.00	0.00	48.50
				48	47.52	0.07	0.00	47.52	173.06	0.00	0.00	0.00	48.63
				49	48.63	0.18	0.00	48.63	173.06	0.00	0.00	0.00	48.46
				50	47.80	0.09	0.00	47.80	173.06	0.00	0.00	0.00	48.59
				51	46.61	-0.04	0.00	46.61	173.06	0.00	0.00	0.00	48.66
				52	46.53	-0.05	0.00	46.53	173.06	0.00	0.00	0.00	48.65
				53	47.14	0.01	0.00	47.14	173.06	0.00	0.00	0.00	48.72
				54	47.06	0.01	0.00	47.06	173.06	0.00	0.00	0.00	48.72
14,39	0.800	18.450	0.800	9	608.47	4.22	0.00	608.47	2382.81	0.00	0.00	0.00	670.40
				10	613.67	41.69	0.00	613.67	2382.81	0.00	0.00	0.00	665.97
				11	608.42	-5.31	0.00	608.42	2382.81	0.00	0.00	0.00	670.27
				12	613.62	32.16	0.00	613.62	2382.81	0.00	0.00	0.00	667.10
				13	602.50	-33.99	0.00	602.50	2382.81	0.00	0.00	0.00	666.81
				14	602.56	-32.73	0.00	602.56	2382.81	0.00	0.00	0.00	666.96
				15	602.41	-51.58	0.00	602.41	2382.81	0.00	0.00	0.00	664.68
				16	602.47	-50.31	0.00	602.47	2382.81	0.00	0.00	0.00	664.84
				17	608.67	8.44	0.00	608.67	2382.81	0.00	0.00	0.00	669.90
				18	613.88	45.90	0.00	613.88	2382.81	0.00	0.00	0.00	665.47
				19	608.62	-1.09	0.00	608.62	2382.81	0.00	0.00	0.00	670.78
				20	613.83	36.37	0.00	613.83	2382.81	0.00	0.00	0.00	666.60
				21	619.84	90.90	0.00	619.84	2382.81	0.00	0.00	0.00	660.24
				22	619.90	92.16	0.00	619.90	2382.81	0.00	0.00	0.00	660.10

				23	619.74	73.31	0.00	619.74	2382.81	0.00	0.00	0.00	662.31
				24	619.80	74.58	0.00	619.80	2382.81	0.00	0.00	0.00	662.16
				39	610.05	14.04	0.00	610.05	2382.81	0.00	0.00	0.00	669.23
				40	612.18	28.66	0.00	612.18	2382.81	0.00	0.00	0.00	667.50
				41	610.03	10.39	0.00	610.03	2382.81	0.00	0.00	0.00	669.67
				42	612.16	25.01	0.00	612.16	2382.81	0.00	0.00	0.00	667.94
				43	607.60	-0.78	0.00	607.60	2382.81	0.00	0.00	0.00	670.82
				44	607.62	-0.31	0.00	607.62	2382.81	0.00	0.00	0.00	670.87
				45	607.56	-7.83	0.00	607.56	2382.81	0.00	0.00	0.00	669.97
				46	607.59	-7.36	0.00	607.59	2382.81	0.00	0.00	0.00	670.03
				47	610.13	15.59	0.00	610.13	2382.81	0.00	0.00	0.00	669.05
				48	612.27	30.21	0.00	612.27	2382.81	0.00	0.00	0.00	667.32
				49	610.11	11.94	0.00	610.11	2382.81	0.00	0.00	0.00	669.49
				50	612.25	26.56	0.00	612.25	2382.81	0.00	0.00	0.00	667.75
				51	614.71	47.96	0.00	614.71	2382.81	0.00	0.00	0.00	665.24
				52	614.74	48.42	0.00	614.74	2382.81	0.00	0.00	0.00	665.18
				53	614.68	40.91	0.00	614.68	2382.81	0.00	0.00	0.00	666.07
				54	614.70	41.37	0.00	614.70	2382.81	0.00	0.00	0.00	666.01
6,14	0.800	1.340	0.800	9	46.62	-0.02	0.00	46.62	173.06	0.00	0.00	0.00	48.69
				10	48.87	-0.25	0.00	48.87	173.06	0.00	0.00	0.00	48.35
				11	45.88	0.05	0.00	45.88	173.06	0.00	0.00	0.00	48.65
				12	48.12	-0.18	0.00	48.12	173.06	0.00	0.00	0.00	48.45
				13	44.06	0.22	0.00	44.06	173.06	0.00	0.00	0.00	48.36
				14	43.85	0.22	0.00	43.85	173.06	0.00	0.00	0.00	48.35
				15	42.69	0.35	0.00	42.69	173.06	0.00	0.00	0.00	48.13
				16	42.48	0.36	0.00	42.48	173.06	0.00	0.00	0.00	48.12
				17	45.91	-0.01	0.00	45.91	173.06	0.00	0.00	0.00	48.71
				18	48.16	-0.24	0.00	48.16	173.06	0.00	0.00	0.00	48.37
				19	45.17	0.06	0.00	45.17	173.06	0.00	0.00	0.00	48.63
				20	47.41	-0.17	0.00	47.41	173.06	0.00	0.00	0.00	48.47
				21	51.55	-0.55	0.00	51.55	173.06	0.00	0.00	0.00	47.96
				22	51.34	-0.54	0.00	51.34	173.06	0.00	0.00	0.00	47.96
				23	50.18	-0.42	0.00	50.18	173.06	0.00	0.00	0.00	48.13
				24	49.97	-0.41	0.00	49.97	173.06	0.00	0.00	0.00	48.13
				39	46.86	-0.07	0.00	46.86	173.06	0.00	0.00	0.00	48.62
				40	47.72	-0.16	0.00	47.72	173.06	0.00	0.00	0.00	48.49
				41	46.57	-0.04	0.00	46.57	173.06	0.00	0.00	0.00	48.67
				42	47.43	-0.13	0.00	47.43	173.06	0.00	0.00	0.00	48.53
				43	45.89	0.03	0.00	45.89	173.06	0.00	0.00	0.00	48.69
				44	45.82	0.03	0.00	45.82	173.06	0.00	0.00	0.00	48.68
				45	45.34	0.08	0.00	45.34	173.06	0.00	0.00	0.00	48.60
				46	45.27	0.08	0.00	45.27	173.06	0.00	0.00	0.00	48.60
				47	46.60	-0.06	0.00	46.60	173.06	0.00	0.00	0.00	48.63
				48	47.46	-0.15	0.00	47.46	173.06	0.00	0.00	0.00	48.50
				49	46.31	-0.03	0.00	46.31	173.06	0.00	0.00	0.00	48.67
				50	47.18	-0.12	0.00	47.18	173.06	0.00	0.00	0.00	48.54
				51	48.77	-0.27	0.00	48.77	173.06	0.00	0.00	0.00	48.32
				52	48.69	-0.27	0.00	48.69	173.06	0.00	0.00	0.00	48.33
				53	48.22	-0.22	0.00	48.22	173.06	0.00	0.00	0.00	48.40
				54	48.14	-0.22	0.00	48.14	173.06	0.00	0.00	0.00	48.40
4,47	0.800	1.340	0.800	9	46.67	0.08	0.00	46.67	173.06	0.00	0.00	0.00	48.60
				10	44.68	-0.07	0.00	44.68	173.06	0.00	0.00	0.00	48.62
				11	47.36	0.15	0.00	47.36	173.06	0.00	0.00	0.00	48.50
				12	45.38	0.00	0.00	45.38	173.06	0.00	0.00	0.00	48.72
				13	50.03	0.22	0.00	50.03	173.06	0.00	0.00	0.00	48.40
				14	51.18	0.23	0.00	51.18	173.06	0.00	0.00	0.00	48.40
				15	51.32	0.36	0.00	51.32	173.06	0.00	0.00	0.00	48.22
				16	52.47	0.36	0.00	52.47	173.06	0.00	0.00	0.00	48.23
				17	50.51	0.09	0.00	50.51	173.06	0.00	0.00	0.00	48.60
				18	48.53	-0.06	0.00	48.53	173.06	0.00	0.00	0.00	48.64
				19	51.21	0.16	0.00	51.21	173.06	0.00	0.00	0.00	48.50
				20	49.22	0.02	0.00	49.22	173.06	0.00	0.00	0.00	48.70
				21	43.42	-0.26	0.00	43.42	173.06	0.00	0.00	0.00	48.28
				22	44.57	-0.26	0.00	44.57	173.06	0.00	0.00	0.00	48.30

				23	44.71	-0.13	0.00	44.71	173.06	0.00	0.00	0.00	48.51
				24	45.86	-0.13	0.00	45.86	173.06	0.00	0.00	0.00	48.52
				39	47.50	0.06	0.00	47.50	173.06	0.00	0.00	0.00	48.64
				40	46.73	0.00	0.00	46.73	173.06	0.00	0.00	0.00	48.72
				41	47.77	0.09	0.00	47.77	173.06	0.00	0.00	0.00	48.59
				42	47.00	0.03	0.00	47.00	173.06	0.00	0.00	0.00	48.68
				43	48.76	0.12	0.00	48.76	173.06	0.00	0.00	0.00	48.56
				44	49.18	0.12	0.00	49.18	173.06	0.00	0.00	0.00	48.56
				45	49.28	0.17	0.00	49.28	173.06	0.00	0.00	0.00	48.48
				46	49.70	0.17	0.00	49.70	173.06	0.00	0.00	0.00	48.48
				47	48.89	0.06	0.00	48.89	173.06	0.00	0.00	0.00	48.63
				48	48.12	0.01	0.00	48.12	173.06	0.00	0.00	0.00	48.72
				49	49.16	0.09	0.00	49.16	173.06	0.00	0.00	0.00	48.59
				50	48.39	0.03	0.00	48.39	173.06	0.00	0.00	0.00	48.68
				51	46.19	-0.08	0.00	46.19	173.06	0.00	0.00	0.00	48.61
				52	46.61	-0.07	0.00	46.61	173.06	0.00	0.00	0.00	48.61
				53	46.71	-0.02	0.00	46.71	173.06	0.00	0.00	0.00	48.69
				54	47.13	-0.02	0.00	47.13	173.06	0.00	0.00	0.00	48.70
3,4	0.800	7.830	0.800	9	266.44	1.25	0.00	266.44	1011.24	0.00	0.00	0.00	284.39
				10	266.37	-3.98	0.00	266.37	1011.24	0.00	0.00	0.00	283.64
				11	265.46	2.56	0.00	265.46	1011.24	0.00	0.00	0.00	284.03
				12	265.39	-2.68	0.00	265.39	1011.24	0.00	0.00	0.00	283.99
				13	275.34	4.97	0.00	275.34	1011.24	0.00	0.00	0.00	283.42
				14	282.54	3.39	0.00	282.54	1011.24	0.00	0.00	0.00	283.85
				15	273.53	7.38	0.00	273.53	1011.24	0.00	0.00	0.00	282.77
				16	280.73	5.80	0.00	280.73	1011.24	0.00	0.00	0.00	283.22
				17	290.44	-4.00	0.00	290.44	1011.24	0.00	0.00	0.00	283.73
				18	290.37	-9.23	0.00	290.37	1011.24	0.00	0.00	0.00	282.41
				19	289.46	-2.69	0.00	289.46	1011.24	0.00	0.00	0.00	284.05
				20	289.39	-7.93	0.00	289.39	1011.24	0.00	0.00	0.00	282.74
				21	275.10	-12.48	0.00	275.10	1011.24	0.00	0.00	0.00	281.43
				22	282.30	-14.05	0.00	282.30	1011.24	0.00	0.00	0.00	281.11
				23	273.28	-10.07	0.00	273.28	1011.24	0.00	0.00	0.00	282.05
				24	280.49	-11.64	0.00	280.49	1011.24	0.00	0.00	0.00	281.71
				39	273.77	-1.62	0.00	273.77	1011.24	0.00	0.00	0.00	284.30
				40	273.74	-3.65	0.00	273.74	1011.24	0.00	0.00	0.00	283.76
				41	273.39	-1.12	0.00	273.39	1011.24	0.00	0.00	0.00	284.43
				42	273.36	-3.15	0.00	273.36	1011.24	0.00	0.00	0.00	283.89
				43	277.02	-0.15	0.00	277.02	1011.24	0.00	0.00	0.00	284.69
				44	279.63	-0.72	0.00	279.63	1011.24	0.00	0.00	0.00	284.54
				45	276.30	0.81	0.00	276.30	1011.24	0.00	0.00	0.00	284.51
				46	278.91	0.24	0.00	278.91	1011.24	0.00	0.00	0.00	284.66
				47	282.47	-3.52	0.00	282.47	1011.24	0.00	0.00	0.00	283.82
				48	282.44	-5.55	0.00	282.44	1011.24	0.00	0.00	0.00	283.30
				49	282.09	-3.02	0.00	282.09	1011.24	0.00	0.00	0.00	283.95
				50	282.06	-5.05	0.00	282.06	1011.24	0.00	0.00	0.00	283.42
				51	276.92	-6.92	0.00	276.92	1011.24	0.00	0.00	0.00	282.91
				52	279.53	-7.49	0.00	279.53	1011.24	0.00	0.00	0.00	282.78
				53	276.20	-5.95	0.00	276.20	1011.24	0.00	0.00	0.00	283.16
				54	278.81	-6.52	0.00	278.81	1011.24	0.00	0.00	0.00	283.03
2,3	0.800	2.790	0.800	9	95.79	-0.10	0.00	95.79	360.33	0.00	0.00	0.00	101.37
				10	95.71	0.16	0.00	95.71	360.33	0.00	0.00	0.00	101.33
				11	95.87	-0.24	0.00	95.87	360.33	0.00	0.00	0.00	101.27
				12	95.79	0.02	0.00	95.79	360.33	0.00	0.00	0.00	101.44
				13	99.48	-0.34	0.00	99.48	360.33	0.00	0.00	0.00	101.21
				14	102.60	-0.33	0.00	102.60	360.33	0.00	0.00	0.00	101.22
				15	99.63	-0.59	0.00	99.63	360.33	0.00	0.00	0.00	101.02
				16	102.74	-0.58	0.00	102.74	360.33	0.00	0.00	0.00	101.05
				17	106.16	-0.06	0.00	106.16	360.33	0.00	0.00	0.00	101.41
				18	106.08	0.20	0.00	106.08	360.33	0.00	0.00	0.00	101.32
				19	106.24	-0.20	0.00	106.24	360.33	0.00	0.00	0.00	101.32
				20	106.16	0.06	0.00	106.16	360.33	0.00	0.00	0.00	101.41
				21	99.22	0.54	0.00	99.22	360.33	0.00	0.00	0.00	101.06
				22	102.33	0.55	0.00	102.33	360.33	0.00	0.00	0.00	101.06

				23	99.36	0.29	0.00	99.36	360.33	0.00	0.00	0.00	101.24
				24	102.47	0.30	0.00	102.47	360.33	0.00	0.00	0.00	101.24
				39	99.10	-0.05	0.00	99.10	360.33	0.00	0.00	0.00	101.42
				40	99.07	0.05	0.00	99.07	360.33	0.00	0.00	0.00	101.42
				41	99.13	-0.11	0.00	99.13	360.33	0.00	0.00	0.00	101.38
				42	99.10	-0.00	0.00	99.10	360.33	0.00	0.00	0.00	101.45
				43	100.44	-0.14	0.00	100.44	360.33	0.00	0.00	0.00	101.35
				44	101.57	-0.14	0.00	101.57	360.33	0.00	0.00	0.00	101.36
				45	100.50	-0.24	0.00	100.50	360.33	0.00	0.00	0.00	101.28
				46	101.63	-0.24	0.00	101.63	360.33	0.00	0.00	0.00	101.28
				47	102.86	-0.04	0.00	102.86	360.33	0.00	0.00	0.00	101.43
				48	102.83	0.06	0.00	102.83	360.33	0.00	0.00	0.00	101.41
				49	102.89	-0.09	0.00	102.89	360.33	0.00	0.00	0.00	101.39
				50	102.86	0.01	0.00	102.86	360.33	0.00	0.00	0.00	101.45
				51	100.33	0.20	0.00	100.33	360.33	0.00	0.00	0.00	101.31
				52	101.46	0.20	0.00	101.46	360.33	0.00	0.00	0.00	101.31
				53	100.39	0.10	0.00	100.39	360.33	0.00	0.00	0.00	101.38
				54	101.52	0.10	0.00	101.52	360.33	0.00	0.00	0.00	101.38
1,2	0.800	7.830	0.800	9	264.81	5.50	0.00	264.81	1011.24	0.00	0.00	0.00	283.22
				10	265.07	-0.35	0.00	265.07	1011.24	0.00	0.00	0.00	284.63
				11	265.92	7.28	0.00	265.92	1011.24	0.00	0.00	0.00	282.74
				12	266.18	1.44	0.00	266.18	1011.24	0.00	0.00	0.00	284.33
				13	271.67	14.04	0.00	271.67	1011.24	0.00	0.00	0.00	280.97
				14	278.21	16.16	0.00	278.21	1011.24	0.00	0.00	0.00	280.50
				15	273.72	17.33	0.00	273.72	1011.24	0.00	0.00	0.00	280.12
				16	280.26	19.45	0.00	280.26	1011.24	0.00	0.00	0.00	279.68
				17	286.61	12.56	0.00	286.61	1011.24	0.00	0.00	0.00	281.54
				18	286.87	6.72	0.00	286.87	1011.24	0.00	0.00	0.00	283.02
				19	287.73	14.35	0.00	287.73	1011.24	0.00	0.00	0.00	281.10
				20	287.98	8.50	0.00	287.98	1011.24	0.00	0.00	0.00	282.58
				21	272.53	-5.45	0.00	272.53	1011.24	0.00	0.00	0.00	283.27
				22	279.07	-3.33	0.00	279.07	1011.24	0.00	0.00	0.00	283.86
				23	274.59	-2.15	0.00	274.59	1011.24	0.00	0.00	0.00	284.16
				24	281.13	-0.03	0.00	281.13	1011.24	0.00	0.00	0.00	284.72
				39	272.18	6.52	0.00	272.18	1011.24	0.00	0.00	0.00	282.99
				40	272.28	4.24	0.00	272.28	1011.24	0.00	0.00	0.00	283.59
				41	272.60	7.20	0.00	272.60	1011.24	0.00	0.00	0.00	282.81
				42	272.71	4.93	0.00	272.71	1011.24	0.00	0.00	0.00	283.41
				43	274.62	9.75	0.00	274.62	1011.24	0.00	0.00	0.00	282.15
				44	276.99	10.51	0.00	276.99	1011.24	0.00	0.00	0.00	281.97
				45	275.45	11.07	0.00	275.45	1011.24	0.00	0.00	0.00	281.80
				46	277.82	11.84	0.00	277.82	1011.24	0.00	0.00	0.00	281.63
				47	280.08	9.07	0.00	280.08	1011.24	0.00	0.00	0.00	282.37
				48	280.19	6.80	0.00	280.19	1011.24	0.00	0.00	0.00	282.96
				49	280.51	9.76	0.00	280.51	1011.24	0.00	0.00	0.00	282.20
				50	280.61	7.48	0.00	280.61	1011.24	0.00	0.00	0.00	282.79
				51	274.97	2.17	0.00	274.97	1011.24	0.00	0.00	0.00	284.15
				52	277.35	2.93	0.00	277.35	1011.24	0.00	0.00	0.00	283.96
				53	275.80	3.49	0.00	275.80	1011.24	0.00	0.00	0.00	283.81
				54	278.17	4.25	0.00	278.17	1011.24	0.00	0.00	0.00	283.61
5,1	0.800	1.340	0.800	9	44.74	0.02	0.00	44.74	173.06	0.00	0.00	0.00	48.69
				10	46.82	-0.13	0.00	46.82	173.06	0.00	0.00	0.00	48.53
				11	44.00	0.09	0.00	44.00	173.06	0.00	0.00	0.00	48.57
				12	46.08	-0.05	0.00	46.08	173.06	0.00	0.00	0.00	48.65
				13	43.76	0.16	0.00	43.76	173.06	0.00	0.00	0.00	48.46
				14	44.73	0.16	0.00	44.73	173.06	0.00	0.00	0.00	48.47
				15	42.39	0.29	0.00	42.39	173.06	0.00	0.00	0.00	48.22
				16	43.36	0.29	0.00	43.36	173.06	0.00	0.00	0.00	48.24
				17	47.97	0.01	0.00	47.97	173.06	0.00	0.00	0.00	48.71
				18	50.05	-0.13	0.00	50.05	173.06	0.00	0.00	0.00	48.54
				19	47.23	0.09	0.00	47.23	173.06	0.00	0.00	0.00	48.59
				20	49.31	-0.06	0.00	49.31	173.06	0.00	0.00	0.00	48.64
				21	50.69	-0.33	0.00	50.69	173.06	0.00	0.00	0.00	48.25
				22	51.66	-0.33	0.00	51.66	173.06	0.00	0.00	0.00	48.26

				23	49.32	-0.19	0.00	49.32	173.06	0.00	0.00	0.00	48.44
				24	50.29	-0.20	0.00	50.29	173.06	0.00	0.00	0.00	48.44
				39	46.17	-0.00	0.00	46.17	173.06	0.00	0.00	0.00	48.72
				40	46.98	-0.06	0.00	46.98	173.06	0.00	0.00	0.00	48.63
				41	45.89	0.03	0.00	45.89	173.06	0.00	0.00	0.00	48.69
				42	46.70	-0.03	0.00	46.70	173.06	0.00	0.00	0.00	48.68
				43	45.77	0.05	0.00	45.77	173.06	0.00	0.00	0.00	48.65
				44	46.12	0.05	0.00	46.12	173.06	0.00	0.00	0.00	48.65
				45	45.22	0.10	0.00	45.22	173.06	0.00	0.00	0.00	48.56
				46	45.58	0.10	0.00	45.58	173.06	0.00	0.00	0.00	48.56
				47	47.35	-0.01	0.00	47.35	173.06	0.00	0.00	0.00	48.72
				48	48.16	-0.06	0.00	48.16	173.06	0.00	0.00	0.00	48.63
				49	47.06	0.02	0.00	47.06	173.06	0.00	0.00	0.00	48.69
				50	47.87	-0.03	0.00	47.87	173.06	0.00	0.00	0.00	48.68
				51	48.47	-0.14	0.00	48.47	173.06	0.00	0.00	0.00	48.52
				52	48.82	-0.14	0.00	48.82	173.06	0.00	0.00	0.00	48.52
				53	47.92	-0.09	0.00	47.92	173.06	0.00	0.00	0.00	48.60
				54	48.28	-0.09	0.00	48.28	173.06	0.00	0.00	0.00	48.60
45,46	0.800	1.340	0.800	9	51.68	-0.15	-0.00	51.68	173.06	0.00	0.00	0.00	48.51
				10	49.39	-0.12	-0.00	49.39	173.06	0.00	0.00	0.00	48.55
				11	51.35	-0.16	-0.00	51.35	173.06	0.00	0.00	0.00	48.50
				12	49.05	-0.13	-0.00	49.05	173.06	0.00	0.00	0.00	48.54
				13	53.06	-0.11	-0.00	53.06	173.06	0.00	0.00	0.00	48.57
				14	51.82	-0.05	-0.00	51.82	173.06	0.00	0.00	0.00	48.66
				15	52.44	-0.12	-0.00	52.44	173.06	0.00	0.00	0.00	48.55
				16	51.21	-0.06	-0.00	51.21	173.06	0.00	0.00	0.00	48.64
				17	47.56	0.06	0.00	47.56	173.06	0.00	0.00	0.00	48.63
				18	45.27	0.09	0.00	45.27	173.06	0.00	0.00	0.00	48.58
				19	47.23	0.06	0.00	47.23	173.06	0.00	0.00	0.00	48.64
				20	44.94	0.09	0.00	44.94	173.06	0.00	0.00	0.00	48.59
				21	45.41	-0.01	-0.00	45.41	173.06	0.00	0.00	0.00	48.72
				22	44.18	0.06	0.00	44.18	173.06	0.00	0.00	0.00	48.63
				23	44.79	-0.02	-0.00	44.79	173.06	0.00	0.00	0.00	48.70
				24	43.56	0.05	0.00	43.56	173.06	0.00	0.00	0.00	48.65
				39	49.58	-0.08	-0.00	49.58	173.06	0.00	0.00	0.00	48.61
				40	48.66	-0.06	-0.00	48.66	173.06	0.00	0.00	0.00	48.63
				41	49.45	-0.08	-0.00	49.45	173.06	0.00	0.00	0.00	48.61
				42	48.53	-0.07	-0.00	48.53	173.06	0.00	0.00	0.00	48.63
				43	50.19	-0.06	-0.00	50.19	173.06	0.00	0.00	0.00	48.63
				44	49.75	-0.04	-0.00	49.75	173.06	0.00	0.00	0.00	48.67
				45	49.95	-0.07	-0.00	49.95	173.06	0.00	0.00	0.00	48.63
				46	49.50	-0.05	-0.00	49.50	173.06	0.00	0.00	0.00	48.66
				47	48.09	0.00	0.00	48.09	173.06	0.00	0.00	0.00	48.73
				48	47.16	0.01	0.00	47.16	173.06	0.00	0.00	0.00	48.71
				49	47.96	-0.00	-0.00	47.96	173.06	0.00	0.00	0.00	48.72
				50	47.04	0.01	0.00	47.04	173.06	0.00	0.00	0.00	48.71
				51	47.12	-0.02	-0.00	47.12	173.06	0.00	0.00	0.00	48.69
				52	46.67	0.00	0.00	46.67	173.06	0.00	0.00	0.00	48.72
				53	46.87	-0.03	-0.00	46.87	173.06	0.00	0.00	0.00	48.69
				54	46.42	-0.00	-0.00	46.42	173.06	0.00	0.00	0.00	48.72
44,45	0.800	6.010	0.800	9	220.90	-6.44	-0.00	220.90	776.19	0.00	0.00	0.00	216.43
				10	213.25	-4.27	-0.00	213.25	776.19	0.00	0.00	0.00	217.09
				11	219.38	-6.18	-0.00	219.38	776.19	0.00	0.00	0.00	216.50
				12	211.73	-4.01	-0.00	211.73	776.19	0.00	0.00	0.00	217.17
				13	228.87	-6.40	-0.00	228.87	776.19	0.00	0.00	0.00	216.51
				14	227.50	-4.10	-0.00	227.50	776.19	0.00	0.00	0.00	217.23
				15	226.06	-5.91	-0.00	226.06	776.19	0.00	0.00	0.00	216.64
				16	224.69	-3.62	-0.00	224.69	776.19	0.00	0.00	0.00	217.37
				17	216.34	1.21	0.00	216.34	776.19	0.00	0.00	0.00	218.14
				18	208.69	3.37	0.00	208.69	776.19	0.00	0.00	0.00	217.37
				19	214.82	1.47	0.00	214.82	776.19	0.00	0.00	0.00	218.05
				20	207.17	3.63	0.00	207.17	776.19	0.00	0.00	0.00	217.27
				21	203.38	0.82	0.00	203.38	776.19	0.00	0.00	0.00	218.25
				22	202.01	3.11	0.00	202.01	776.19	0.00	0.00	0.00	217.43

				23	200.57	1.30	0.00	200.57	776.19	0.00	0.00	0.00	218.07
				24	199.20	3.59	0.00	199.20	776.19	0.00	0.00	0.00	217.23
				39	216.69	-3.28	-0.00	216.69	776.19	0.00	0.00	0.00	217.44
				40	213.62	-2.42	-0.00	213.62	776.19	0.00	0.00	0.00	217.72
				41	216.11	-3.18	-0.00	216.11	776.19	0.00	0.00	0.00	217.47
				42	213.03	-2.31	-0.00	213.03	776.19	0.00	0.00	0.00	217.76
				43	219.97	-3.36	-0.00	219.97	776.19	0.00	0.00	0.00	217.43
				44	219.48	-2.52	-0.00	219.48	776.19	0.00	0.00	0.00	217.71
				45	218.85	-3.17	-0.00	218.85	776.19	0.00	0.00	0.00	217.49
				46	218.35	-2.33	-0.00	218.35	776.19	0.00	0.00	0.00	217.77
				47	215.04	-0.49	-0.00	215.04	776.19	0.00	0.00	0.00	218.38
				48	211.96	0.37	0.00	211.96	776.19	0.00	0.00	0.00	218.42
				49	214.45	-0.39	-0.00	214.45	776.19	0.00	0.00	0.00	218.41
				50	211.38	0.47	0.00	211.38	776.19	0.00	0.00	0.00	218.38
				51	209.72	-0.47	-0.00	209.72	776.19	0.00	0.00	0.00	218.38
				52	209.22	0.36	0.00	209.22	776.19	0.00	0.00	0.00	218.42
				53	208.59	-0.28	-0.00	208.59	776.19	0.00	0.00	0.00	218.45
				54	208.10	0.56	0.00	208.10	776.19	0.00	0.00	0.00	218.35
43,44	0.800	6.010	0.800	9	215.48	0.15	0.00	215.48	776.19	0.00	0.00	0.00	218.50
				10	210.16	0.54	0.00	210.16	776.19	0.00	0.00	0.00	218.36
				11	214.50	0.52	0.00	214.50	776.19	0.00	0.00	0.00	218.37
				12	209.18	0.91	0.00	209.18	776.19	0.00	0.00	0.00	218.23
				13	222.61	-0.80	-0.00	222.61	776.19	0.00	0.00	0.00	218.28
				14	223.04	-1.08	-0.00	223.04	776.19	0.00	0.00	0.00	218.19
				15	220.79	-0.12	-0.00	220.79	776.19	0.00	0.00	0.00	218.51
				16	221.22	-0.40	-0.00	221.22	776.19	0.00	0.00	0.00	218.41
				17	216.91	-0.79	-0.00	216.91	776.19	0.00	0.00	0.00	218.28
				18	211.59	-0.40	-0.00	211.59	776.19	0.00	0.00	0.00	218.41
				19	215.93	-0.42	-0.00	215.93	776.19	0.00	0.00	0.00	218.40
				20	210.61	-0.02	-0.00	210.61	776.19	0.00	0.00	0.00	218.54
				21	204.87	0.52	0.00	204.87	776.19	0.00	0.00	0.00	218.36
				22	205.30	0.24	0.00	205.30	776.19	0.00	0.00	0.00	218.46
				23	203.05	1.20	0.00	203.05	776.19	0.00	0.00	0.00	218.11
				24	203.48	0.92	0.00	203.48	776.19	0.00	0.00	0.00	218.22
				39	214.04	0.08	0.00	214.04	776.19	0.00	0.00	0.00	218.52
				40	211.90	0.24	0.00	211.90	776.19	0.00	0.00	0.00	218.46
				41	213.67	0.22	0.00	213.67	776.19	0.00	0.00	0.00	218.47
				42	211.52	0.38	0.00	211.52	776.19	0.00	0.00	0.00	218.41
				43	216.91	-0.29	-0.00	216.91	776.19	0.00	0.00	0.00	218.45
				44	217.06	-0.39	-0.00	217.06	776.19	0.00	0.00	0.00	218.41
				45	216.18	-0.02	-0.00	216.18	776.19	0.00	0.00	0.00	218.54
				46	216.34	-0.12	-0.00	216.34	776.19	0.00	0.00	0.00	218.51
				47	214.57	-0.26	-0.00	214.57	776.19	0.00	0.00	0.00	218.46
				48	212.42	-0.10	-0.00	212.42	776.19	0.00	0.00	0.00	218.51
				49	214.19	-0.12	-0.00	214.19	776.19	0.00	0.00	0.00	218.50
				50	212.04	0.04	0.00	212.04	776.19	0.00	0.00	0.00	218.53
				51	209.75	0.24	0.00	209.75	776.19	0.00	0.00	0.00	218.46
				52	209.91	0.14	0.00	209.91	776.19	0.00	0.00	0.00	218.50
				53	209.02	0.51	0.00	209.02	776.19	0.00	0.00	0.00	218.37
				54	209.18	0.41	0.00	209.18	776.19	0.00	0.00	0.00	218.40
42,43	0.800	6.010	0.800	9	215.72	0.57	0.00	215.72	776.19	0.00	0.00	0.00	218.35
				10	210.73	0.59	0.00	210.73	776.19	0.00	0.00	0.00	218.34
				11	215.26	0.91	0.00	215.26	776.19	0.00	0.00	0.00	218.24
				12	210.27	0.93	0.00	210.27	776.19	0.00	0.00	0.00	218.22
				13	221.93	-0.02	-0.00	221.93	776.19	0.00	0.00	0.00	218.54
				14	222.09	-0.38	-0.00	222.09	776.19	0.00	0.00	0.00	218.42
				15	221.08	0.61	0.00	221.08	776.19	0.00	0.00	0.00	218.34
				16	221.24	0.25	0.00	221.24	776.19	0.00	0.00	0.00	218.46
				17	216.26	-0.64	-0.00	216.26	776.19	0.00	0.00	0.00	218.33
				18	211.26	-0.62	-0.00	211.26	776.19	0.00	0.00	0.00	218.33
				19	215.80	-0.29	-0.00	215.80	776.19	0.00	0.00	0.00	218.45
				20	210.81	-0.28	-0.00	210.81	776.19	0.00	0.00	0.00	218.45
				21	205.28	0.04	0.00	205.28	776.19	0.00	0.00	0.00	218.53
				22	205.45	-0.32	-0.00	205.45	776.19	0.00	0.00	0.00	218.43

				23	204.44	0.67	0.00	204.44	776.19	0.00	0.00	0.00	218.31
				24	204.60	0.31	0.00	204.60	776.19	0.00	0.00	0.00	218.43
				39	214.26	0.29	0.00	214.26	776.19	0.00	0.00	0.00	218.45
				40	212.25	0.30	0.00	212.25	776.19	0.00	0.00	0.00	218.44
				41	214.08	0.43	0.00	214.08	776.19	0.00	0.00	0.00	218.40
				42	212.07	0.44	0.00	212.07	776.19	0.00	0.00	0.00	218.40
				43	216.76	0.07	0.00	216.76	776.19	0.00	0.00	0.00	218.52
				44	216.82	-0.06	-0.00	216.82	776.19	0.00	0.00	0.00	218.52
				45	216.42	0.32	0.00	216.42	776.19	0.00	0.00	0.00	218.44
				46	216.48	0.19	0.00	216.48	776.19	0.00	0.00	0.00	218.48
				47	214.46	-0.14	-0.00	214.46	776.19	0.00	0.00	0.00	218.50
				48	212.44	-0.13	-0.00	212.44	776.19	0.00	0.00	0.00	218.50
				49	214.28	-0.01	-0.00	214.28	776.19	0.00	0.00	0.00	218.54
				50	212.27	-0.00	-0.00	212.27	776.19	0.00	0.00	0.00	218.54
				51	210.05	0.10	0.00	210.05	776.19	0.00	0.00	0.00	218.51
				52	210.11	-0.03	-0.00	210.11	776.19	0.00	0.00	0.00	218.53
				53	209.71	0.35	0.00	209.71	776.19	0.00	0.00	0.00	218.42
				54	209.77	0.22	0.00	209.77	776.19	0.00	0.00	0.00	218.47
41,42	0.800	6.010	0.800	9	216.18	0.82	0.00	216.18	776.19	0.00	0.00	0.00	218.27
				10	211.43	1.00	0.00	211.43	776.19	0.00	0.00	0.00	218.20
				11	216.30	1.25	0.00	216.30	776.19	0.00	0.00	0.00	218.12
				12	211.55	1.44	0.00	211.55	776.19	0.00	0.00	0.00	218.05
				13	221.50	-0.14	-0.00	221.50	776.19	0.00	0.00	0.00	218.50
				14	221.35	-0.62	-0.00	221.35	776.19	0.00	0.00	0.00	218.34
				15	221.72	0.66	0.00	221.72	776.19	0.00	0.00	0.00	218.33
				16	221.57	0.18	0.00	221.57	776.19	0.00	0.00	0.00	218.49
				17	215.70	-0.78	-0.00	215.70	776.19	0.00	0.00	0.00	218.28
				18	210.95	-0.59	-0.00	210.95	776.19	0.00	0.00	0.00	218.34
				19	215.81	-0.34	-0.00	215.81	776.19	0.00	0.00	0.00	218.43
				20	211.07	-0.16	-0.00	211.07	776.19	0.00	0.00	0.00	218.49
				21	205.67	0.48	0.00	205.67	776.19	0.00	0.00	0.00	218.38
				22	205.53	-0.00	-0.00	205.53	776.19	0.00	0.00	0.00	218.55
				23	205.89	1.28	0.00	205.89	776.19	0.00	0.00	0.00	218.09
				24	205.75	0.80	0.00	205.75	776.19	0.00	0.00	0.00	218.26
				39	214.64	0.49	0.00	214.64	776.19	0.00	0.00	0.00	218.38
				40	212.74	0.58	0.00	212.74	776.19	0.00	0.00	0.00	218.35
				41	214.69	0.66	0.00	214.69	776.19	0.00	0.00	0.00	218.32
				42	212.78	0.75	0.00	212.78	776.19	0.00	0.00	0.00	218.29
				43	216.78	0.11	0.00	216.78	776.19	0.00	0.00	0.00	218.51
				44	216.72	-0.06	-0.00	216.72	776.19	0.00	0.00	0.00	218.52
				45	216.86	0.43	0.00	216.86	776.19	0.00	0.00	0.00	218.40
				46	216.81	0.25	0.00	216.81	776.19	0.00	0.00	0.00	218.46
				47	214.46	-0.09	-0.00	214.46	776.19	0.00	0.00	0.00	218.52
				48	212.56	0.00	0.00	212.56	776.19	0.00	0.00	0.00	218.54
				49	214.51	0.08	0.00	214.51	776.19	0.00	0.00	0.00	218.52
				50	212.61	0.17	0.00	212.61	776.19	0.00	0.00	0.00	218.49
				51	210.44	0.41	0.00	210.44	776.19	0.00	0.00	0.00	218.41
				52	210.38	0.23	0.00	210.38	776.19	0.00	0.00	0.00	218.47
				53	210.53	0.73	0.00	210.53	776.19	0.00	0.00	0.00	218.29
				54	210.47	0.55	0.00	210.47	776.19	0.00	0.00	0.00	218.35
40,41	0.800	6.230	0.800	9	225.68	1.28	0.00	225.68	804.60	0.00	0.00	0.00	226.13
				10	220.48	0.75	0.00	220.48	804.60	0.00	0.00	0.00	226.30
				11	226.63	1.86	0.00	226.63	804.60	0.00	0.00	0.00	225.95
				12	221.42	1.32	0.00	221.42	804.60	0.00	0.00	0.00	226.11
				13	230.48	1.15	0.00	230.48	804.60	0.00	0.00	0.00	226.18
				14	229.72	0.71	0.00	229.72	804.60	0.00	0.00	0.00	226.32
				15	232.22	2.21	0.00	232.22	804.60	0.00	0.00	0.00	225.85
				16	231.47	1.76	0.00	231.47	804.60	0.00	0.00	0.00	225.99
				17	223.17	-0.20	-0.00	223.17	804.60	0.00	0.00	0.00	226.48
				18	217.97	-0.74	-0.00	217.97	804.60	0.00	0.00	0.00	226.30
				19	224.12	0.37	0.00	224.12	804.60	0.00	0.00	0.00	226.42
				20	218.91	-0.17	-0.00	218.91	804.60	0.00	0.00	0.00	226.49
				21	213.13	-0.64	-0.00	213.13	804.60	0.00	0.00	0.00	226.33
				22	212.38	-1.09	-0.00	212.38	804.60	0.00	0.00	0.00	226.17

				23	214.87	0.41	0.00	214.87	804.60	0.00	0.00	0.00	226.41
				24	214.12	-0.04	-0.00	214.12	804.60	0.00	0.00	0.00	226.53
				39	223.59	0.81	0.00	223.59	804.60	0.00	0.00	0.00	226.28
				40	221.55	0.63	0.00	221.55	804.60	0.00	0.00	0.00	226.34
				41	223.95	1.02	0.00	223.95	804.60	0.00	0.00	0.00	226.21
				42	221.92	0.85	0.00	221.92	804.60	0.00	0.00	0.00	226.27
				43	225.48	0.72	0.00	225.48	804.60	0.00	0.00	0.00	226.31
				44	225.20	0.56	0.00	225.20	804.60	0.00	0.00	0.00	226.36
				45	226.18	1.14	0.00	226.18	804.60	0.00	0.00	0.00	226.18
				46	225.90	0.98	0.00	225.90	804.60	0.00	0.00	0.00	226.23
				47	222.68	0.27	0.00	222.68	804.60	0.00	0.00	0.00	226.46
				48	220.65	0.09	0.00	220.65	804.60	0.00	0.00	0.00	226.51
				49	223.04	0.49	0.00	223.04	804.60	0.00	0.00	0.00	226.39
				50	221.01	0.31	0.00	221.01	804.60	0.00	0.00	0.00	226.44
				51	218.69	0.14	0.00	218.69	804.60	0.00	0.00	0.00	226.50
				52	218.42	-0.03	-0.00	218.42	804.60	0.00	0.00	0.00	226.54
				53	219.39	0.56	0.00	219.39	804.60	0.00	0.00	0.00	226.36
				54	219.12	0.40	0.00	219.12	804.60	0.00	0.00	0.00	226.41
39,40	0.800	6.385	0.800	9	231.10	0.42	0.00	231.10	824.62	0.00	0.00	0.00	232.05
				10	225.21	0.26	0.00	225.21	824.62	0.00	0.00	0.00	232.10
				11	232.80	0.93	0.00	232.80	824.62	0.00	0.00	0.00	231.89
				12	226.91	0.77	0.00	226.91	824.62	0.00	0.00	0.00	231.93
				13	236.31	-0.48	-0.00	236.31	824.62	0.00	0.00	0.00	232.04
				14	235.49	-1.21	-0.00	235.49	824.62	0.00	0.00	0.00	231.81
				15	239.44	0.47	0.00	239.44	824.62	0.00	0.00	0.00	232.04
				16	238.62	-0.27	-0.00	238.62	824.62	0.00	0.00	0.00	232.10
				17	228.38	-2.04	-0.00	228.38	824.62	0.00	0.00	0.00	231.53
				18	222.49	-2.19	-0.00	222.49	824.62	0.00	0.00	0.00	231.47
				19	230.08	-1.53	-0.00	230.08	824.62	0.00	0.00	0.00	231.70
				20	224.19	-1.68	-0.00	224.19	824.62	0.00	0.00	0.00	231.64
				21	216.67	-0.99	-0.00	216.67	824.62	0.00	0.00	0.00	231.85
				22	215.86	-1.73	-0.00	215.86	824.62	0.00	0.00	0.00	231.60
				23	219.80	-0.05	-0.00	219.80	824.62	0.00	0.00	0.00	232.16
				24	218.99	-0.79	-0.00	218.99	824.62	0.00	0.00	0.00	231.92
				39	228.94	-0.26	-0.00	228.94	824.62	0.00	0.00	0.00	232.10
				40	226.68	-0.31	-0.00	226.68	824.62	0.00	0.00	0.00	232.08
				41	229.59	-0.07	-0.00	229.59	824.62	0.00	0.00	0.00	232.16
				42	227.33	-0.11	-0.00	227.33	824.62	0.00	0.00	0.00	232.15
				43	230.93	-0.61	-0.00	230.93	824.62	0.00	0.00	0.00	231.99
				44	230.64	-0.87	-0.00	230.64	824.62	0.00	0.00	0.00	231.91
				45	232.19	-0.23	-0.00	232.19	824.62	0.00	0.00	0.00	232.11
				46	231.89	-0.49	-0.00	231.89	824.62	0.00	0.00	0.00	232.03
				47	227.96	-1.15	-0.00	227.96	824.62	0.00	0.00	0.00	231.82
				48	225.70	-1.20	-0.00	225.70	824.62	0.00	0.00	0.00	231.80
				49	228.61	-0.95	-0.00	228.61	824.62	0.00	0.00	0.00	231.88
				50	226.35	-1.00	-0.00	226.35	824.62	0.00	0.00	0.00	231.86
				51	223.40	-0.77	-0.00	223.40	824.62	0.00	0.00	0.00	231.93
				52	223.10	-1.04	-0.00	223.10	824.62	0.00	0.00	0.00	231.84
				53	224.65	-0.39	-0.00	224.65	824.62	0.00	0.00	0.00	232.05
				54	224.36	-0.66	-0.00	224.36	824.62	0.00	0.00	0.00	231.97
4,39	0.800	6.385	0.800	9	227.06	-5.12	-0.00	227.06	824.62	0.00	0.00	0.00	230.54
				10	221.07	-5.54	-0.00	221.07	824.62	0.00	0.00	0.00	230.36
				11	229.15	-5.06	-0.00	229.15	824.62	0.00	0.00	0.00	230.58
				12	223.16	-5.48	-0.00	223.16	824.62	0.00	0.00	0.00	230.40
				13	234.04	-0.99	-0.00	234.04	824.62	0.00	0.00	0.00	231.87
				14	234.80	2.15	0.00	234.80	824.62	0.00	0.00	0.00	231.52
				15	237.90	-0.88	-0.00	237.90	824.62	0.00	0.00	0.00	231.91
				16	238.66	2.26	0.00	238.66	824.62	0.00	0.00	0.00	231.49
				17	229.58	5.34	0.00	229.58	824.62	0.00	0.00	0.00	230.49
				18	223.60	4.92	0.00	223.60	824.62	0.00	0.00	0.00	230.58
				19	231.68	5.40	0.00	231.68	824.62	0.00	0.00	0.00	230.49
				20	225.69	4.98	0.00	225.69	824.62	0.00	0.00	0.00	230.58
				21	214.08	-2.40	-0.00	214.08	824.62	0.00	0.00	0.00	231.37
				22	214.84	0.74	0.00	214.84	824.62	0.00	0.00	0.00	231.93

				23	217.95	-2.29	-0.00	217.95	824.62	0.00	0.00	0.00	231.42
				24	218.71	0.85	0.00	218.71	824.62	0.00	0.00	0.00	231.90
				39	226.67	-1.88	-0.00	226.67	824.62	0.00	0.00	0.00	231.58
				40	224.36	-2.07	-0.00	224.36	824.62	0.00	0.00	0.00	231.51
				41	227.47	-1.86	-0.00	227.47	824.62	0.00	0.00	0.00	231.59
				42	225.16	-2.05	-0.00	225.16	824.62	0.00	0.00	0.00	231.52
				43	229.30	-0.34	-0.00	229.30	824.62	0.00	0.00	0.00	232.07
				44	229.58	0.80	0.00	229.58	824.62	0.00	0.00	0.00	231.93
				45	230.85	-0.30	-0.00	230.85	824.62	0.00	0.00	0.00	232.09
				46	231.13	0.84	0.00	231.13	824.62	0.00	0.00	0.00	231.92
				47	227.58	1.91	0.00	227.58	824.62	0.00	0.00	0.00	231.57
				48	225.28	1.72	0.00	225.28	824.62	0.00	0.00	0.00	231.63
				49	228.39	1.93	0.00	228.39	824.62	0.00	0.00	0.00	231.57
				50	226.08	1.74	0.00	226.08	824.62	0.00	0.00	0.00	231.62
				51	221.62	-0.98	-0.00	221.62	824.62	0.00	0.00	0.00	231.86
				52	221.89	0.15	0.00	221.89	824.62	0.00	0.00	0.00	232.13
				53	223.17	-0.94	-0.00	223.17	824.62	0.00	0.00	0.00	231.88
				54	223.44	0.20	0.00	223.44	824.62	0.00	0.00	0.00	232.12
38,4	0.800	1.340	0.800	9	45.77	-0.14	-0.00	45.77	173.06	0.00	0.00	0.00	48.51
				10	44.32	-0.16	-0.00	44.32	173.06	0.00	0.00	0.00	48.47
				11	46.13	-0.15	-0.00	46.13	173.06	0.00	0.00	0.00	48.49
				12	44.68	-0.17	-0.00	44.68	173.06	0.00	0.00	0.00	48.45
				13	49.18	0.01	0.00	49.18	173.06	0.00	0.00	0.00	48.71
				14	50.77	0.13	0.00	50.77	173.06	0.00	0.00	0.00	48.55
				15	49.84	-0.01	-0.00	49.84	173.06	0.00	0.00	0.00	48.72
				16	51.43	0.10	0.00	51.43	173.06	0.00	0.00	0.00	48.58
				17	51.09	0.23	0.00	51.09	173.06	0.00	0.00	0.00	48.40
				18	49.64	0.22	0.00	49.64	173.06	0.00	0.00	0.00	48.41
				19	51.45	0.22	0.00	51.45	173.06	0.00	0.00	0.00	48.42
				20	50.00	0.20	0.00	50.00	173.06	0.00	0.00	0.00	48.43
				21	44.34	-0.04	-0.00	44.34	173.06	0.00	0.00	0.00	48.66
				22	45.93	0.07	0.00	45.93	173.06	0.00	0.00	0.00	48.61
				23	45.00	-0.06	-0.00	45.00	173.06	0.00	0.00	0.00	48.63
				24	46.59	0.05	0.00	46.59	173.06	0.00	0.00	0.00	48.65
				39	47.14	-0.03	-0.00	47.14	173.06	0.00	0.00	0.00	48.68
				40	46.57	-0.04	-0.00	46.57	173.06	0.00	0.00	0.00	48.67
				41	47.27	-0.03	-0.00	47.27	173.06	0.00	0.00	0.00	48.67
				42	46.71	-0.04	-0.00	46.71	173.06	0.00	0.00	0.00	48.66
				43	48.41	0.03	0.00	48.41	173.06	0.00	0.00	0.00	48.69
				44	48.99	0.07	0.00	48.99	173.06	0.00	0.00	0.00	48.63
				45	48.67	0.02	0.00	48.67	173.06	0.00	0.00	0.00	48.70
				46	49.25	0.06	0.00	49.25	173.06	0.00	0.00	0.00	48.64
				47	49.06	0.11	0.00	49.06	173.06	0.00	0.00	0.00	48.57
				48	48.50	0.10	0.00	48.50	173.06	0.00	0.00	0.00	48.58
				49	49.20	0.10	0.00	49.20	173.06	0.00	0.00	0.00	48.58
				50	48.63	0.09	0.00	48.63	173.06	0.00	0.00	0.00	48.59
				51	46.52	0.01	0.00	46.52	173.06	0.00	0.00	0.00	48.72
				52	47.10	0.05	0.00	47.10	173.06	0.00	0.00	0.00	48.66
				53	46.78	-0.00	-0.00	46.78	173.06	0.00	0.00	0.00	48.72
				54	47.36	0.04	0.00	47.36	173.06	0.00	0.00	0.00	48.67
36,37	0.800	1.340	0.800	9	49.85	-0.15	-0.00	49.85	173.06	0.00	0.00	0.00	48.51
				10	49.40	-0.15	-0.00	49.40	173.06	0.00	0.00	0.00	48.51
				11	49.79	-0.15	-0.00	49.79	173.06	0.00	0.00	0.00	48.50
				12	49.34	-0.15	-0.00	49.34	173.06	0.00	0.00	0.00	48.51
				13	49.43	-0.09	-0.00	49.43	173.06	0.00	0.00	0.00	48.60
				14	48.62	-0.03	-0.00	48.62	173.06	0.00	0.00	0.00	48.68
				15	49.33	-0.09	-0.00	49.33	173.06	0.00	0.00	0.00	48.59
				16	48.51	-0.04	-0.00	48.51	173.06	0.00	0.00	0.00	48.67
				17	47.12	0.04	0.00	47.12	173.06	0.00	0.00	0.00	48.67
				18	46.68	0.04	0.00	46.68	173.06	0.00	0.00	0.00	48.67
				19	47.06	0.03	0.00	47.06	173.06	0.00	0.00	0.00	48.67
				20	46.62	0.04	0.00	46.62	173.06	0.00	0.00	0.00	48.67
				21	47.95	-0.08	-0.00	47.95	173.06	0.00	0.00	0.00	48.61
				22	47.14	-0.02	-0.00	47.14	173.06	0.00	0.00	0.00	48.69

				23	47.85	-0.08	-0.00	47.85	173.06	0.00	0.00	0.00	48.60
				24	47.03	-0.03	-0.00	47.03	173.06	0.00	0.00	0.00	48.69
				39	48.83	-0.09	-0.00	48.83	173.06	0.00	0.00	0.00	48.59
				40	48.65	-0.09	-0.00	48.65	173.06	0.00	0.00	0.00	48.59
				41	48.81	-0.09	-0.00	48.81	173.06	0.00	0.00	0.00	48.59
				42	48.63	-0.09	-0.00	48.63	173.06	0.00	0.00	0.00	48.59
				43	48.70	-0.07	-0.00	48.70	173.06	0.00	0.00	0.00	48.63
				44	48.40	-0.05	-0.00	48.40	173.06	0.00	0.00	0.00	48.66
				45	48.66	-0.07	-0.00	48.66	173.06	0.00	0.00	0.00	48.62
				46	48.36	-0.05	-0.00	48.36	173.06	0.00	0.00	0.00	48.65
				47	47.84	-0.02	-0.00	47.84	173.06	0.00	0.00	0.00	48.69
				48	47.66	-0.02	-0.00	47.66	173.06	0.00	0.00	0.00	48.69
				49	47.81	-0.02	-0.00	47.81	173.06	0.00	0.00	0.00	48.69
				50	47.64	-0.02	-0.00	47.64	173.06	0.00	0.00	0.00	48.69
				51	48.11	-0.06	-0.00	48.11	173.06	0.00	0.00	0.00	48.63
				52	47.81	-0.04	-0.00	47.81	173.06	0.00	0.00	0.00	48.66
				53	48.06	-0.07	-0.00	48.06	173.06	0.00	0.00	0.00	48.63
				54	47.77	-0.05	-0.00	47.77	173.06	0.00	0.00	0.00	48.66
35,36	0.800	6.010	0.800	9	212.79	-6.44	-0.00	212.79	776.19	0.00	0.00	0.00	216.34
				10	210.75	-6.65	-0.00	210.75	776.19	0.00	0.00	0.00	216.25
				11	212.36	-6.57	-0.00	212.36	776.19	0.00	0.00	0.00	216.29
				12	210.33	-6.78	-0.00	210.33	776.19	0.00	0.00	0.00	216.20
				13	214.89	-4.38	-0.00	214.89	776.19	0.00	0.00	0.00	217.06
				14	214.51	-2.86	-0.00	214.51	776.19	0.00	0.00	0.00	217.58
				15	214.11	-4.62	-0.00	214.11	776.19	0.00	0.00	0.00	216.98
				16	213.73	-3.10	-0.00	213.73	776.19	0.00	0.00	0.00	217.49
				17	211.51	-1.38	-0.00	211.51	776.19	0.00	0.00	0.00	218.07
				18	209.48	-1.59	-0.00	209.48	776.19	0.00	0.00	0.00	217.99
				19	211.09	-1.51	-0.00	211.09	776.19	0.00	0.00	0.00	218.02
				20	209.05	-1.72	-0.00	209.05	776.19	0.00	0.00	0.00	217.95
				21	208.11	-5.06	-0.00	208.11	776.19	0.00	0.00	0.00	216.78
				22	207.73	-3.54	-0.00	207.73	776.19	0.00	0.00	0.00	217.31
				23	207.33	-5.30	-0.00	207.33	776.19	0.00	0.00	0.00	216.69
				24	206.95	-3.78	-0.00	206.95	776.19	0.00	0.00	0.00	217.22
				39	211.65	-4.94	-0.00	211.65	776.19	0.00	0.00	0.00	216.85
				40	210.83	-5.02	-0.00	210.83	776.19	0.00	0.00	0.00	216.81
				41	211.48	-4.99	-0.00	211.48	776.19	0.00	0.00	0.00	216.83
				42	210.66	-5.07	-0.00	210.66	776.19	0.00	0.00	0.00	216.79
				43	212.51	-4.17	-0.00	212.51	776.19	0.00	0.00	0.00	217.12
				44	212.37	-3.61	-0.00	212.37	776.19	0.00	0.00	0.00	217.31
				45	212.20	-4.27	-0.00	212.20	776.19	0.00	0.00	0.00	217.08
				46	212.06	-3.71	-0.00	212.06	776.19	0.00	0.00	0.00	217.27
				47	211.18	-3.09	-0.00	211.18	776.19	0.00	0.00	0.00	217.48
				48	210.36	-3.17	-0.00	210.36	776.19	0.00	0.00	0.00	217.45
				49	211.01	-3.14	-0.00	211.01	776.19	0.00	0.00	0.00	217.46
				50	210.19	-3.22	-0.00	210.19	776.19	0.00	0.00	0.00	217.43
				51	209.78	-4.45	-0.00	209.78	776.19	0.00	0.00	0.00	217.00
				52	209.64	-3.90	-0.00	209.64	776.19	0.00	0.00	0.00	217.19
				53	209.47	-4.55	-0.00	209.47	776.19	0.00	0.00	0.00	216.97
				54	209.32	-3.99	-0.00	209.32	776.19	0.00	0.00	0.00	217.16
34,35	0.800	6.010	0.800	9	207.35	0.03	0.00	207.35	776.19	0.00	0.00	0.00	218.54
				10	205.13	0.03	0.00	205.13	776.19	0.00	0.00	0.00	218.53
				11	206.90	0.13	0.00	206.90	776.19	0.00	0.00	0.00	218.50
				12	204.67	0.13	0.00	204.67	776.19	0.00	0.00	0.00	218.50
				13	210.75	-0.51	-0.00	210.75	776.19	0.00	0.00	0.00	218.37
				14	211.27	-0.93	-0.00	211.27	776.19	0.00	0.00	0.00	218.23
				15	209.91	-0.33	-0.00	209.91	776.19	0.00	0.00	0.00	218.43
				16	210.44	-0.75	-0.00	210.44	776.19	0.00	0.00	0.00	218.29
				17	209.10	-1.37	-0.00	209.10	776.19	0.00	0.00	0.00	218.07
				18	206.88	-1.37	-0.00	206.88	776.19	0.00	0.00	0.00	218.06
				19	208.65	-1.27	-0.00	208.65	776.19	0.00	0.00	0.00	218.10
				20	206.42	-1.27	-0.00	206.42	776.19	0.00	0.00	0.00	218.10
				21	203.34	-0.49	-0.00	203.34	776.19	0.00	0.00	0.00	218.37
				22	203.86	-0.91	-0.00	203.86	776.19	0.00	0.00	0.00	218.22

				23	202.50	-0.32	-0.00	202.50	776.19	0.00	0.00	0.00	218.43
				24	203.02	-0.74	-0.00	203.02	776.19	0.00	0.00	0.00	218.28
				39	207.10	-0.38	-0.00	207.10	776.19	0.00	0.00	0.00	218.41
				40	206.20	-0.38	-0.00	206.20	776.19	0.00	0.00	0.00	218.41
				41	206.93	-0.35	-0.00	206.93	776.19	0.00	0.00	0.00	218.42
				42	206.03	-0.35	-0.00	206.03	776.19	0.00	0.00	0.00	218.42
				43	208.45	-0.58	-0.00	208.45	776.19	0.00	0.00	0.00	218.34
				44	208.65	-0.74	-0.00	208.65	776.19	0.00	0.00	0.00	218.29
				45	208.12	-0.51	-0.00	208.12	776.19	0.00	0.00	0.00	218.37
				46	208.31	-0.67	-0.00	208.31	776.19	0.00	0.00	0.00	218.31
				47	207.74	-0.90	-0.00	207.74	776.19	0.00	0.00	0.00	218.23
				48	206.84	-0.89	-0.00	206.84	776.19	0.00	0.00	0.00	218.23
				49	207.57	-0.86	-0.00	207.57	776.19	0.00	0.00	0.00	218.24
				50	206.67	-0.86	-0.00	206.67	776.19	0.00	0.00	0.00	218.24
				51	205.46	-0.58	-0.00	205.46	776.19	0.00	0.00	0.00	218.34
				52	205.65	-0.73	-0.00	205.65	776.19	0.00	0.00	0.00	218.29
				53	205.13	-0.51	-0.00	205.13	776.19	0.00	0.00	0.00	218.37
				54	205.32	-0.66	-0.00	205.32	776.19	0.00	0.00	0.00	218.31
33,34	0.800	6.010	0.800	9	207.75	0.85	0.00	207.75	776.19	0.00	0.00	0.00	218.25
				10	205.55	0.85	0.00	205.55	776.19	0.00	0.00	0.00	218.24
				11	207.50	0.99	0.00	207.50	776.19	0.00	0.00	0.00	218.20
				12	205.30	0.99	0.00	205.30	776.19	0.00	0.00	0.00	218.20
				13	210.54	0.31	0.00	210.54	776.19	0.00	0.00	0.00	218.44
				14	210.64	-0.11	-0.00	210.64	776.19	0.00	0.00	0.00	218.51
				15	210.08	0.55	0.00	210.08	776.19	0.00	0.00	0.00	218.35
				16	210.19	0.14	0.00	210.19	776.19	0.00	0.00	0.00	218.50
				17	208.10	-0.54	-0.00	208.10	776.19	0.00	0.00	0.00	218.36
				18	205.90	-0.54	-0.00	205.90	776.19	0.00	0.00	0.00	218.35
				19	207.85	-0.41	-0.00	207.85	776.19	0.00	0.00	0.00	218.40
				20	205.65	-0.41	-0.00	205.65	776.19	0.00	0.00	0.00	218.40
				21	203.21	0.31	0.00	203.21	776.19	0.00	0.00	0.00	218.44
				22	203.32	-0.11	-0.00	203.32	776.19	0.00	0.00	0.00	218.51
				23	202.75	0.56	0.00	202.75	776.19	0.00	0.00	0.00	218.35
				24	202.86	0.14	0.00	202.86	776.19	0.00	0.00	0.00	218.50
				39	207.13	0.45	0.00	207.13	776.19	0.00	0.00	0.00	218.39
				40	206.24	0.45	0.00	206.24	776.19	0.00	0.00	0.00	218.39
				41	207.03	0.50	0.00	207.03	776.19	0.00	0.00	0.00	218.37
				42	206.14	0.50	0.00	206.14	776.19	0.00	0.00	0.00	218.37
				43	208.26	0.25	0.00	208.26	776.19	0.00	0.00	0.00	218.46
				44	208.29	0.09	0.00	208.29	776.19	0.00	0.00	0.00	218.51
				45	208.07	0.34	0.00	208.07	776.19	0.00	0.00	0.00	218.42
				46	208.11	0.19	0.00	208.11	776.19	0.00	0.00	0.00	218.48
				47	207.26	-0.06	-0.00	207.26	776.19	0.00	0.00	0.00	218.53
				48	206.36	-0.06	-0.00	206.36	776.19	0.00	0.00	0.00	218.53
				49	207.16	-0.01	-0.00	207.16	776.19	0.00	0.00	0.00	218.54
				50	206.27	-0.01	-0.00	206.27	776.19	0.00	0.00	0.00	218.54
				51	205.29	0.25	0.00	205.29	776.19	0.00	0.00	0.00	218.46
				52	205.33	0.10	0.00	205.33	776.19	0.00	0.00	0.00	218.51
				53	205.10	0.35	0.00	205.10	776.19	0.00	0.00	0.00	218.42
				54	205.14	0.20	0.00	205.14	776.19	0.00	0.00	0.00	218.48
32,33	0.800	6.010	0.800	9	209.98	2.55	0.00	209.98	776.19	0.00	0.00	0.00	217.66
				10	207.94	2.79	0.00	207.94	776.19	0.00	0.00	0.00	217.57
				11	209.94	2.64	0.00	209.94	776.19	0.00	0.00	0.00	217.63
				12	207.90	2.88	0.00	207.90	776.19	0.00	0.00	0.00	217.54
				13	211.50	1.04	0.00	211.50	776.19	0.00	0.00	0.00	218.19
				14	210.74	0.02	0.00	210.74	776.19	0.00	0.00	0.00	218.54
				15	211.42	1.21	0.00	211.42	776.19	0.00	0.00	0.00	218.13
				16	210.66	0.19	0.00	210.66	776.19	0.00	0.00	0.00	218.48
				17	207.46	-0.85	-0.00	207.46	776.19	0.00	0.00	0.00	218.25
				18	205.42	-0.61	-0.00	205.42	776.19	0.00	0.00	0.00	218.33
				19	207.42	-0.76	-0.00	207.42	776.19	0.00	0.00	0.00	218.28
				20	205.37	-0.52	-0.00	205.37	776.19	0.00	0.00	0.00	218.36
				21	204.70	1.84	0.00	204.70	776.19	0.00	0.00	0.00	217.89
				22	203.94	0.82	0.00	203.94	776.19	0.00	0.00	0.00	218.25

				23	204.61	2.01	0.00	204.61	776.19	0.00	0.00	0.00	217.83
				24	203.86	0.99	0.00	203.86	776.19	0.00	0.00	0.00	218.19
				39	208.55	1.57	0.00	208.55	776.19	0.00	0.00	0.00	218.00
				40	207.73	1.66	0.00	207.73	776.19	0.00	0.00	0.00	217.96
				41	208.54	1.60	0.00	208.54	776.19	0.00	0.00	0.00	217.99
				42	207.72	1.70	0.00	207.72	776.19	0.00	0.00	0.00	217.95
				43	209.20	1.00	0.00	209.20	776.19	0.00	0.00	0.00	218.20
				44	208.93	0.63	0.00	208.93	776.19	0.00	0.00	0.00	218.32
				45	209.17	1.07	0.00	209.17	776.19	0.00	0.00	0.00	218.17
				46	208.89	0.70	0.00	208.89	776.19	0.00	0.00	0.00	218.30
				47	207.64	0.33	0.00	207.64	776.19	0.00	0.00	0.00	218.43
				48	206.82	0.43	0.00	206.82	776.19	0.00	0.00	0.00	218.39
				49	207.62	0.37	0.00	207.62	776.19	0.00	0.00	0.00	218.42
				50	206.80	0.47	0.00	206.80	776.19	0.00	0.00	0.00	218.38
				51	206.46	1.33	0.00	206.46	776.19	0.00	0.00	0.00	218.08
				52	206.19	0.96	0.00	206.19	776.19	0.00	0.00	0.00	218.21
				53	206.43	1.40	0.00	206.43	776.19	0.00	0.00	0.00	218.05
				54	206.15	1.03	0.00	206.15	776.19	0.00	0.00	0.00	218.18
31,32	0.800	6.230	0.800	9	221.13	-0.56	-0.00	221.13	804.60	0.00	0.00	0.00	226.36
				10	220.81	1.24	0.00	220.81	804.60	0.00	0.00	0.00	226.14
				11	221.03	-0.72	-0.00	221.03	804.60	0.00	0.00	0.00	226.31
				12	220.70	1.09	0.00	220.70	804.60	0.00	0.00	0.00	226.19
				13	219.34	-2.09	-0.00	219.34	804.60	0.00	0.00	0.00	225.85
				14	217.44	-1.65	-0.00	217.44	804.60	0.00	0.00	0.00	225.99
				15	219.15	-2.38	-0.00	219.15	804.60	0.00	0.00	0.00	225.75
				16	217.25	-1.94	-0.00	217.25	804.60	0.00	0.00	0.00	225.90
				17	214.81	0.92	0.00	214.81	804.60	0.00	0.00	0.00	226.24
				18	214.48	2.73	0.00	214.48	804.60	0.00	0.00	0.00	225.62
				19	214.70	0.76	0.00	214.70	804.60	0.00	0.00	0.00	226.29
				20	214.38	2.57	0.00	214.38	804.60	0.00	0.00	0.00	225.67
				21	218.26	3.94	0.00	218.26	804.60	0.00	0.00	0.00	225.23
				22	216.36	4.38	0.00	216.36	804.60	0.00	0.00	0.00	225.07
				23	218.07	3.65	0.00	218.07	804.60	0.00	0.00	0.00	225.33
				24	216.17	4.09	0.00	216.17	804.60	0.00	0.00	0.00	225.17
				39	218.99	0.40	0.00	218.99	804.60	0.00	0.00	0.00	226.41
				40	218.85	1.12	0.00	218.85	804.60	0.00	0.00	0.00	226.17
				41	218.95	0.34	0.00	218.95	804.60	0.00	0.00	0.00	226.43
				42	218.81	1.06	0.00	218.81	804.60	0.00	0.00	0.00	226.19
				43	218.37	-0.22	-0.00	218.37	804.60	0.00	0.00	0.00	226.47
				44	217.68	-0.06	-0.00	217.68	804.60	0.00	0.00	0.00	226.53
				45	218.29	-0.34	-0.00	218.29	804.60	0.00	0.00	0.00	226.43
				46	217.60	-0.17	-0.00	217.60	804.60	0.00	0.00	0.00	226.49
				47	216.70	0.94	0.00	216.70	804.60	0.00	0.00	0.00	226.23
				48	216.56	1.66	0.00	216.56	804.60	0.00	0.00	0.00	225.99
				49	216.66	0.88	0.00	216.66	804.60	0.00	0.00	0.00	226.25
				50	216.52	1.60	0.00	216.52	804.60	0.00	0.00	0.00	226.01
				51	217.91	2.18	0.00	217.91	804.60	0.00	0.00	0.00	225.82
				52	217.22	2.34	0.00	217.22	804.60	0.00	0.00	0.00	225.76
				53	217.83	2.06	0.00	217.83	804.60	0.00	0.00	0.00	225.86
				54	217.14	2.22	0.00	217.14	804.60	0.00	0.00	0.00	225.80
3,31	0.800	12.770	0.800	9	441.68	19.70	0.00	441.68	1649.24	0.00	0.00	0.00	461.12
				10	439.27	25.30	0.00	439.27	1649.24	0.00	0.00	0.00	460.17
				11	441.17	19.44	0.00	441.17	1649.24	0.00	0.00	0.00	461.16
				12	438.76	25.04	0.00	438.76	1649.24	0.00	0.00	0.00	460.21
				13	443.38	7.08	0.00	443.38	1649.24	0.00	0.00	0.00	463.20
				14	442.24	1.76	0.00	442.24	1649.24	0.00	0.00	0.00	464.07
				15	442.44	6.60	0.00	442.44	1649.24	0.00	0.00	0.00	463.28
				16	441.30	1.28	0.00	441.30	1649.24	0.00	0.00	0.00	464.15
				17	437.88	1.98	0.00	437.88	1649.24	0.00	0.00	0.00	464.04
				18	435.47	7.58	0.00	435.47	1649.24	0.00	0.00	0.00	463.10
				19	437.37	1.72	0.00	437.37	1649.24	0.00	0.00	0.00	464.08
				20	434.96	7.32	0.00	434.96	1649.24	0.00	0.00	0.00	463.14
				21	435.34	25.74	0.00	435.34	1649.24	0.00	0.00	0.00	460.06
				22	434.20	20.43	0.00	434.20	1649.24	0.00	0.00	0.00	460.94

				23	434.40	25.26	0.00	434.40	1649.24	0.00	0.00	0.00	460.13
				24	433.26	19.95	0.00	433.26	1649.24	0.00	0.00	0.00	461.02
				39	437.94	17.26	0.00	437.94	1649.24	0.00	0.00	0.00	461.50
				40	440.26	16.29	0.00	440.26	1649.24	0.00	0.00	0.00	461.67
				41	437.74	17.16	0.00	437.74	1649.24	0.00	0.00	0.00	461.51
				42	440.07	16.19	0.00	440.07	1649.24	0.00	0.00	0.00	461.69
				43	434.84	16.19	0.00	434.84	1649.24	0.00	0.00	0.00	461.66
				44	434.43	14.26	0.00	434.43	1649.24	0.00	0.00	0.00	461.98
				45	434.46	16.00	0.00	434.46	1649.24	0.00	0.00	0.00	461.69
				46	434.06	14.07	0.00	434.06	1649.24	0.00	0.00	0.00	462.01
				47	436.58	10.83	0.00	436.58	1649.24	0.00	0.00	0.00	462.56
				48	438.90	9.85	0.00	438.90	1649.24	0.00	0.00	0.00	462.73
				49	436.38	10.73	0.00	436.38	1649.24	0.00	0.00	0.00	462.58
				50	438.71	9.75	0.00	438.71	1649.24	0.00	0.00	0.00	462.75
				51	442.59	12.94	0.00	442.59	1649.24	0.00	0.00	0.00	462.24
				52	442.18	11.01	0.00	442.18	1649.24	0.00	0.00	0.00	462.55
				53	442.21	12.75	0.00	442.21	1649.24	0.00	0.00	0.00	462.27
				54	441.80	10.82	0.00	441.80	1649.24	0.00	0.00	0.00	462.58
30,3	0.800	1.340	0.800	9	44.81	-0.26	-0.00	44.81	173.06	0.00	0.00	0.00	48.31
				10	45.04	-0.25	-0.00	45.04	173.06	0.00	0.00	0.00	48.32
				11	44.72	-0.26	-0.00	44.72	173.06	0.00	0.00	0.00	48.31
				12	44.95	-0.25	-0.00	44.95	173.06	0.00	0.00	0.00	48.32
				13	47.35	-0.01	-0.00	47.35	173.06	0.00	0.00	0.00	48.71
				14	49.72	0.21	0.00	49.72	173.06	0.00	0.00	0.00	48.42
				15	47.17	-0.01	-0.00	47.17	173.06	0.00	0.00	0.00	48.71
				16	49.55	0.21	0.00	49.55	173.06	0.00	0.00	0.00	48.42
				17	52.73	0.48	0.00	52.73	173.06	0.00	0.00	0.00	48.07
				18	52.97	0.49	0.00	52.97	173.06	0.00	0.00	0.00	48.06
				19	52.64	0.48	0.00	52.64	173.06	0.00	0.00	0.00	48.07
				20	52.88	0.49	0.00	52.88	173.06	0.00	0.00	0.00	48.06
				21	48.13	0.02	0.00	48.13	173.06	0.00	0.00	0.00	48.70
				22	50.51	0.24	0.00	50.51	173.06	0.00	0.00	0.00	48.38
				23	47.96	0.02	0.00	47.96	173.06	0.00	0.00	0.00	48.70
				24	50.34	0.24	0.00	50.34	173.06	0.00	0.00	0.00	48.39
				39	47.38	-0.02	-0.00	47.38	173.06	0.00	0.00	0.00	48.70
				40	47.47	-0.02	-0.00	47.47	173.06	0.00	0.00	0.00	48.70
				41	47.34	-0.02	-0.00	47.34	173.06	0.00	0.00	0.00	48.69
				42	47.43	-0.02	-0.00	47.43	173.06	0.00	0.00	0.00	48.70
				43	48.30	0.07	0.00	48.30	173.06	0.00	0.00	0.00	48.62
				44	49.16	0.15	0.00	49.16	173.06	0.00	0.00	0.00	48.51
				45	48.23	0.07	0.00	48.23	173.06	0.00	0.00	0.00	48.62
				46	49.09	0.15	0.00	49.09	173.06	0.00	0.00	0.00	48.51
				47	50.25	0.25	0.00	50.25	173.06	0.00	0.00	0.00	48.37
				48	50.34	0.25	0.00	50.34	173.06	0.00	0.00	0.00	48.37
				49	50.21	0.25	0.00	50.21	173.06	0.00	0.00	0.00	48.37
				50	50.31	0.25	0.00	50.31	173.06	0.00	0.00	0.00	48.37
				51	48.60	0.08	0.00	48.60	173.06	0.00	0.00	0.00	48.61
				52	49.46	0.16	0.00	49.46	173.06	0.00	0.00	0.00	48.49
				53	48.53	0.08	0.00	48.53	173.06	0.00	0.00	0.00	48.61
				54	49.39	0.16	0.00	49.39	173.06	0.00	0.00	0.00	48.49
28,29	0.800	1.340	0.800	9	49.34	-0.15	-0.00	49.34	173.06	0.00	0.00	0.00	48.51
				10	49.63	-0.15	-0.00	49.63	173.06	0.00	0.00	0.00	48.51
				11	49.43	-0.15	-0.00	49.43	173.06	0.00	0.00	0.00	48.51
				12	49.72	-0.14	-0.00	49.72	173.06	0.00	0.00	0.00	48.52
				13	48.05	-0.09	-0.00	48.05	173.06	0.00	0.00	0.00	48.59
				14	47.27	-0.04	-0.00	47.27	173.06	0.00	0.00	0.00	48.67
				15	48.22	-0.09	-0.00	48.22	173.06	0.00	0.00	0.00	48.60
				16	47.44	-0.03	-0.00	47.44	173.06	0.00	0.00	0.00	48.68
				17	46.75	0.03	0.00	46.75	173.06	0.00	0.00	0.00	48.68
				18	47.04	0.03	0.00	47.04	173.06	0.00	0.00	0.00	48.68
				19	46.84	0.03	0.00	46.84	173.06	0.00	0.00	0.00	48.68
				20	47.13	0.04	0.00	47.13	173.06	0.00	0.00	0.00	48.67
				21	49.02	-0.08	-0.00	49.02	173.06	0.00	0.00	0.00	48.61
				22	48.25	-0.03	-0.00	48.25	173.06	0.00	0.00	0.00	48.69

				23	49.19	-0.08	-0.00	49.19	173.06	0.00	0.00	0.00	48.61
				24	48.42	-0.02	-0.00	48.42	173.06	0.00	0.00	0.00	48.69
				39	48.63	-0.09	-0.00	48.63	173.06	0.00	0.00	0.00	48.59
				40	48.75	-0.09	-0.00	48.75	173.06	0.00	0.00	0.00	48.59
				41	48.66	-0.09	-0.00	48.66	173.06	0.00	0.00	0.00	48.59
				42	48.78	-0.09	-0.00	48.78	173.06	0.00	0.00	0.00	48.60
				43	48.14	-0.07	-0.00	48.14	173.06	0.00	0.00	0.00	48.62
				44	47.86	-0.05	-0.00	47.86	173.06	0.00	0.00	0.00	48.65
				45	48.21	-0.07	-0.00	48.21	173.06	0.00	0.00	0.00	48.62
				46	47.93	-0.05	-0.00	47.93	173.06	0.00	0.00	0.00	48.65
				47	47.69	-0.03	-0.00	47.69	173.06	0.00	0.00	0.00	48.69
				48	47.80	-0.02	-0.00	47.80	173.06	0.00	0.00	0.00	48.69
				49	47.72	-0.02	-0.00	47.72	173.06	0.00	0.00	0.00	48.69
				50	47.84	-0.02	-0.00	47.84	173.06	0.00	0.00	0.00	48.69
				51	48.54	-0.07	-0.00	48.54	173.06	0.00	0.00	0.00	48.63
				52	48.25	-0.05	-0.00	48.25	173.06	0.00	0.00	0.00	48.66
				53	48.60	-0.06	-0.00	48.60	173.06	0.00	0.00	0.00	48.63
				54	48.32	-0.04	-0.00	48.32	173.06	0.00	0.00	0.00	48.66
27,28	0.800	6.010	0.800	9	210.46	-6.61	-0.00	210.46	776.19	0.00	0.00	0.00	216.26
				10	212.10	-6.29	-0.00	212.10	776.19	0.00	0.00	0.00	216.39
				11	210.96	-6.58	-0.00	210.96	776.19	0.00	0.00	0.00	216.28
				12	212.60	-6.26	-0.00	212.60	776.19	0.00	0.00	0.00	216.40
				13	207.95	-5.31	-0.00	207.95	776.19	0.00	0.00	0.00	216.69
				14	207.61	-3.86	-0.00	207.61	776.19	0.00	0.00	0.00	217.19
				15	208.87	-5.26	-0.00	208.87	776.19	0.00	0.00	0.00	216.71
				16	208.53	-3.82	-0.00	208.53	776.19	0.00	0.00	0.00	217.21
				17	209.33	-1.80	-0.00	209.33	776.19	0.00	0.00	0.00	217.92
				18	210.97	-1.48	-0.00	210.97	776.19	0.00	0.00	0.00	218.04
				19	209.83	-1.77	-0.00	209.83	776.19	0.00	0.00	0.00	217.93
				20	211.47	-1.45	-0.00	211.47	776.19	0.00	0.00	0.00	218.05
				21	213.40	-4.24	-0.00	213.40	776.19	0.00	0.00	0.00	217.10
				22	213.06	-2.80	-0.00	213.06	776.19	0.00	0.00	0.00	217.59
				23	214.32	-4.20	-0.00	214.32	776.19	0.00	0.00	0.00	217.12
				24	213.98	-2.75	-0.00	213.98	776.19	0.00	0.00	0.00	217.61
				39	210.75	-4.98	-0.00	210.75	776.19	0.00	0.00	0.00	216.83
				40	211.41	-4.85	-0.00	211.41	776.19	0.00	0.00	0.00	216.88
				41	210.94	-4.97	-0.00	210.94	776.19	0.00	0.00	0.00	216.83
				42	211.60	-4.84	-0.00	211.60	776.19	0.00	0.00	0.00	216.88
				43	209.74	-4.52	-0.00	209.74	776.19	0.00	0.00	0.00	216.98
				44	209.62	-3.99	-0.00	209.62	776.19	0.00	0.00	0.00	217.16
				45	210.11	-4.50	-0.00	210.11	776.19	0.00	0.00	0.00	216.99
				46	209.99	-3.97	-0.00	209.99	776.19	0.00	0.00	0.00	217.17
				47	210.33	-3.22	-0.00	210.33	776.19	0.00	0.00	0.00	217.43
				48	210.99	-3.09	-0.00	210.99	776.19	0.00	0.00	0.00	217.48
				49	210.52	-3.21	-0.00	210.52	776.19	0.00	0.00	0.00	217.44
				50	211.18	-3.08	-0.00	211.18	776.19	0.00	0.00	0.00	217.49
				51	211.94	-4.09	-0.00	211.94	776.19	0.00	0.00	0.00	217.14
				52	211.82	-3.56	-0.00	211.82	776.19	0.00	0.00	0.00	217.32
				53	212.31	-4.07	-0.00	212.31	776.19	0.00	0.00	0.00	217.15
				54	212.19	-3.54	-0.00	212.19	776.19	0.00	0.00	0.00	217.33
26,27	0.800	6.010	0.800	9	204.94	0.14	0.00	204.94	776.19	0.00	0.00	0.00	218.50
				10	206.88	0.12	0.00	206.88	776.19	0.00	0.00	0.00	218.50
				11	205.35	0.02	0.00	205.35	776.19	0.00	0.00	0.00	218.54
				12	207.29	-0.00	-0.00	207.29	776.19	0.00	0.00	0.00	218.54
				13	203.10	-0.27	-0.00	203.10	776.19	0.00	0.00	0.00	218.45
				14	203.62	-0.68	-0.00	203.62	776.19	0.00	0.00	0.00	218.30
				15	203.86	-0.49	-0.00	203.86	776.19	0.00	0.00	0.00	218.37
				16	204.37	-0.91	-0.00	204.37	776.19	0.00	0.00	0.00	218.22
				17	206.66	-1.24	-0.00	206.66	776.19	0.00	0.00	0.00	218.11
				18	208.60	-1.26	-0.00	208.60	776.19	0.00	0.00	0.00	218.11
				19	207.07	-1.36	-0.00	207.07	776.19	0.00	0.00	0.00	218.07
				20	209.01	-1.38	-0.00	209.01	776.19	0.00	0.00	0.00	218.07
				21	209.57	-0.33	-0.00	209.57	776.19	0.00	0.00	0.00	218.43
				22	210.09	-0.75	-0.00	210.09	776.19	0.00	0.00	0.00	218.29

				23	210.33	-0.56	-0.00	210.33	776.19	0.00	0.00	0.00	218.35
				24	210.84	-0.97	-0.00	210.84	776.19	0.00	0.00	0.00	218.21
				39	206.19	-0.34	-0.00	206.19	776.19	0.00	0.00	0.00	218.43
				40	206.97	-0.35	-0.00	206.97	776.19	0.00	0.00	0.00	218.42
				41	206.34	-0.39	-0.00	206.34	776.19	0.00	0.00	0.00	218.41
				42	207.13	-0.40	-0.00	207.13	776.19	0.00	0.00	0.00	218.41
				43	205.42	-0.48	-0.00	205.42	776.19	0.00	0.00	0.00	218.37
				44	205.61	-0.64	-0.00	205.61	776.19	0.00	0.00	0.00	218.32
				45	205.72	-0.58	-0.00	205.72	776.19	0.00	0.00	0.00	218.34
				46	205.91	-0.73	-0.00	205.91	776.19	0.00	0.00	0.00	218.29
				47	206.82	-0.84	-0.00	206.82	776.19	0.00	0.00	0.00	218.25
				48	207.60	-0.85	-0.00	207.60	776.19	0.00	0.00	0.00	218.25
				49	206.97	-0.89	-0.00	206.97	776.19	0.00	0.00	0.00	218.23
				50	207.76	-0.90	-0.00	207.76	776.19	0.00	0.00	0.00	218.23
				51	208.03	-0.51	-0.00	208.03	776.19	0.00	0.00	0.00	218.37
				52	208.22	-0.66	-0.00	208.22	776.19	0.00	0.00	0.00	218.31
				53	208.33	-0.60	-0.00	208.33	776.19	0.00	0.00	0.00	218.33
				54	208.52	-0.75	-0.00	208.52	776.19	0.00	0.00	0.00	218.28
25,26	0.800	6.010	0.800	9	205.60	0.98	0.00	205.60	776.19	0.00	0.00	0.00	218.20
				10	207.44	0.96	0.00	207.44	776.19	0.00	0.00	0.00	218.21
				11	205.80	0.86	0.00	205.80	776.19	0.00	0.00	0.00	218.24
				12	207.65	0.84	0.00	207.65	776.19	0.00	0.00	0.00	218.25
				13	203.48	0.58	0.00	203.48	776.19	0.00	0.00	0.00	218.34
				14	203.58	0.16	0.00	203.58	776.19	0.00	0.00	0.00	218.49
				15	203.86	0.35	0.00	203.86	776.19	0.00	0.00	0.00	218.42
				16	203.96	-0.06	-0.00	203.96	776.19	0.00	0.00	0.00	218.52
				17	205.93	-0.39	-0.00	205.93	776.19	0.00	0.00	0.00	218.41
				18	207.77	-0.41	-0.00	207.77	776.19	0.00	0.00	0.00	218.40
				19	206.14	-0.51	-0.00	206.14	776.19	0.00	0.00	0.00	218.36
				20	207.98	-0.53	-0.00	207.98	776.19	0.00	0.00	0.00	218.36
				21	209.61	0.51	0.00	209.61	776.19	0.00	0.00	0.00	218.37
				22	209.72	0.10	0.00	209.72	776.19	0.00	0.00	0.00	218.51
				23	210.00	0.29	0.00	210.00	776.19	0.00	0.00	0.00	218.45
				24	210.10	-0.13	-0.00	210.10	776.19	0.00	0.00	0.00	218.50
				39	206.32	0.50	0.00	206.32	776.19	0.00	0.00	0.00	218.37
				40	207.06	0.49	0.00	207.06	776.19	0.00	0.00	0.00	218.37
				41	206.40	0.45	0.00	206.40	776.19	0.00	0.00	0.00	218.39
				42	207.14	0.45	0.00	207.14	776.19	0.00	0.00	0.00	218.39
				43	205.46	0.36	0.00	205.46	776.19	0.00	0.00	0.00	218.42
				44	205.49	0.21	0.00	205.49	776.19	0.00	0.00	0.00	218.47
				45	205.61	0.27	0.00	205.61	776.19	0.00	0.00	0.00	218.45
				46	205.65	0.12	0.00	205.65	776.19	0.00	0.00	0.00	218.50
				47	206.44	0.00	0.00	206.44	776.19	0.00	0.00	0.00	218.54
				48	207.18	-0.00	-0.00	207.18	776.19	0.00	0.00	0.00	218.54
				49	206.52	-0.04	-0.00	206.52	776.19	0.00	0.00	0.00	218.53
				50	207.26	-0.05	-0.00	207.26	776.19	0.00	0.00	0.00	218.53
				51	207.93	0.33	0.00	207.93	776.19	0.00	0.00	0.00	218.43
				52	207.97	0.18	0.00	207.97	776.19	0.00	0.00	0.00	218.48
				53	208.09	0.24	0.00	208.09	776.19	0.00	0.00	0.00	218.46
				54	208.12	0.09	0.00	208.12	776.19	0.00	0.00	0.00	218.51
24,25	0.800	6.010	0.800	9	208.19	2.89	0.00	208.19	776.19	0.00	0.00	0.00	217.54
				10	209.87	2.64	0.00	209.87	776.19	0.00	0.00	0.00	217.63
				11	208.21	2.80	0.00	208.21	776.19	0.00	0.00	0.00	217.57
				12	209.89	2.54	0.00	209.89	776.19	0.00	0.00	0.00	217.67
				13	205.33	2.05	0.00	205.33	776.19	0.00	0.00	0.00	217.82
				14	204.58	1.03	0.00	204.58	776.19	0.00	0.00	0.00	218.18
				15	205.38	1.87	0.00	205.38	776.19	0.00	0.00	0.00	217.88
				16	204.62	0.86	0.00	204.62	776.19	0.00	0.00	0.00	218.24
				17	205.66	-0.49	-0.00	205.66	776.19	0.00	0.00	0.00	218.37
				18	207.34	-0.74	-0.00	207.34	776.19	0.00	0.00	0.00	218.28
				19	205.68	-0.58	-0.00	205.68	776.19	0.00	0.00	0.00	218.34
				20	207.36	-0.84	-0.00	207.36	776.19	0.00	0.00	0.00	218.25
				21	210.93	1.20	0.00	210.93	776.19	0.00	0.00	0.00	218.13
				22	210.17	0.18	0.00	210.17	776.19	0.00	0.00	0.00	218.48

				23	210.97	1.02	0.00	210.97	776.19	0.00	0.00	0.00	218.19
				24	210.22	0.00	0.00	210.22	776.19	0.00	0.00	0.00	218.54
				39	207.89	1.71	0.00	207.89	776.19	0.00	0.00	0.00	217.95
				40	208.57	1.61	0.00	208.57	776.19	0.00	0.00	0.00	217.99
				41	207.90	1.67	0.00	207.90	776.19	0.00	0.00	0.00	217.96
				42	208.58	1.57	0.00	208.58	776.19	0.00	0.00	0.00	218.00
				43	206.78	1.42	0.00	206.78	776.19	0.00	0.00	0.00	218.05
				44	206.50	1.05	0.00	206.50	776.19	0.00	0.00	0.00	218.18
				45	206.79	1.35	0.00	206.79	776.19	0.00	0.00	0.00	218.07
				46	206.52	0.98	0.00	206.52	776.19	0.00	0.00	0.00	218.20
				47	206.97	0.48	0.00	206.97	776.19	0.00	0.00	0.00	218.38
				48	207.65	0.38	0.00	207.65	776.19	0.00	0.00	0.00	218.41
				49	206.98	0.45	0.00	206.98	776.19	0.00	0.00	0.00	218.39
				50	207.66	0.34	0.00	207.66	776.19	0.00	0.00	0.00	218.43
				51	209.03	1.07	0.00	209.03	776.19	0.00	0.00	0.00	218.17
				52	208.76	0.71	0.00	208.76	776.19	0.00	0.00	0.00	218.30
				53	209.05	1.00	0.00	209.05	776.19	0.00	0.00	0.00	218.20
				54	208.77	0.63	0.00	208.77	776.19	0.00	0.00	0.00	218.32
23,24	0.800	6.230	0.800	9	221.04	1.08	0.00	221.04	804.60	0.00	0.00	0.00	226.19
				10	220.99	-0.65	-0.00	220.99	804.60	0.00	0.00	0.00	226.33
				11	221.15	1.29	0.00	221.15	804.60	0.00	0.00	0.00	226.12
				12	221.09	-0.45	-0.00	221.09	804.60	0.00	0.00	0.00	226.40
				13	218.88	3.55	0.00	218.88	804.60	0.00	0.00	0.00	225.37
				14	217.00	4.00	0.00	217.00	804.60	0.00	0.00	0.00	225.20
				15	219.06	3.92	0.00	219.06	804.60	0.00	0.00	0.00	225.24
				16	217.18	4.38	0.00	217.18	804.60	0.00	0.00	0.00	225.08
				17	214.78	2.60	0.00	214.78	804.60	0.00	0.00	0.00	225.67
				18	214.72	0.87	0.00	214.72	804.60	0.00	0.00	0.00	226.25
				19	214.88	2.80	0.00	214.88	804.60	0.00	0.00	0.00	225.60
				20	214.82	1.07	0.00	214.82	804.60	0.00	0.00	0.00	226.18
				21	218.68	-2.23	-0.00	218.68	804.60	0.00	0.00	0.00	225.80
				22	216.80	-1.77	-0.00	216.80	804.60	0.00	0.00	0.00	225.95
				23	218.87	-1.85	-0.00	218.87	804.60	0.00	0.00	0.00	225.93
				24	216.99	-1.40	-0.00	216.99	804.60	0.00	0.00	0.00	226.08
				39	219.05	1.10	0.00	219.05	804.60	0.00	0.00	0.00	226.18
				40	219.04	0.42	0.00	219.04	804.60	0.00	0.00	0.00	226.41
				41	219.09	1.18	0.00	219.09	804.60	0.00	0.00	0.00	226.15
				42	219.08	0.50	0.00	219.08	804.60	0.00	0.00	0.00	226.38
				43	218.25	2.06	0.00	218.25	804.60	0.00	0.00	0.00	225.86
				44	217.57	2.22	0.00	217.57	804.60	0.00	0.00	0.00	225.80
				45	218.33	2.21	0.00	218.33	804.60	0.00	0.00	0.00	225.81
				46	217.65	2.37	0.00	217.65	804.60	0.00	0.00	0.00	225.75
				47	216.78	1.65	0.00	216.78	804.60	0.00	0.00	0.00	225.99
				48	216.77	0.97	0.00	216.77	804.60	0.00	0.00	0.00	226.22
				49	216.82	1.73	0.00	216.82	804.60	0.00	0.00	0.00	225.96
				50	216.81	1.05	0.00	216.81	804.60	0.00	0.00	0.00	226.19
				51	218.22	-0.22	-0.00	218.22	804.60	0.00	0.00	0.00	226.47
				52	217.54	-0.05	-0.00	217.54	804.60	0.00	0.00	0.00	226.53
				53	218.29	-0.07	-0.00	218.29	804.60	0.00	0.00	0.00	226.52
				54	217.61	0.10	0.00	217.61	804.60	0.00	0.00	0.00	226.51
2,23	0.800	12.770	0.800	9	437.74	27.16	0.00	437.74	1649.24	0.00	0.00	0.00	459.85
				10	442.53	16.64	0.00	442.53	1649.24	0.00	0.00	0.00	461.63
				11	438.38	27.39	0.00	438.38	1649.24	0.00	0.00	0.00	459.82
				12	443.18	16.87	0.00	443.18	1649.24	0.00	0.00	0.00	461.60
				13	430.60	33.21	0.00	430.60	1649.24	0.00	0.00	0.00	458.76
				14	429.50	27.95	0.00	429.50	1649.24	0.00	0.00	0.00	459.63
				15	431.79	33.64	0.00	431.79	1649.24	0.00	0.00	0.00	458.70
				16	430.69	28.38	0.00	430.69	1649.24	0.00	0.00	0.00	459.57
				17	434.08	9.64	0.00	434.08	1649.24	0.00	0.00	0.00	462.75
				18	438.87	-0.89	-0.00	438.87	1649.24	0.00	0.00	0.00	464.22
				19	434.72	9.87	0.00	434.72	1649.24	0.00	0.00	0.00	462.71
				20	439.52	-0.65	-0.00	439.52	1649.24	0.00	0.00	0.00	464.26
				21	446.57	-1.88	-0.00	446.57	1649.24	0.00	0.00	0.00	464.06
				22	445.48	-7.14	-0.00	445.48	1649.24	0.00	0.00	0.00	463.20

				23	447.76	-1.45	-0.00	447.76	1649.24	0.00	0.00	0.00	464.13
				24	446.67	-6.71	-0.00	446.67	1649.24	0.00	0.00	0.00	463.27
				39	438.24	18.45	0.00	438.24	1649.24	0.00	0.00	0.00	461.30
				40	440.07	14.33	0.00	440.07	1649.24	0.00	0.00	0.00	462.00
				41	438.49	18.54	0.00	438.49	1649.24	0.00	0.00	0.00	461.29
				42	440.32	14.42	0.00	440.32	1649.24	0.00	0.00	0.00	461.98
				43	435.53	21.00	0.00	435.53	1649.24	0.00	0.00	0.00	460.86
				44	435.13	19.09	0.00	435.13	1649.24	0.00	0.00	0.00	461.17
				45	436.00	21.17	0.00	436.00	1649.24	0.00	0.00	0.00	460.83
				46	435.61	19.27	0.00	435.61	1649.24	0.00	0.00	0.00	461.15
				47	436.93	12.10	0.00	436.93	1649.24	0.00	0.00	0.00	462.35
				48	438.77	7.97	0.00	438.77	1649.24	0.00	0.00	0.00	463.04
				49	437.18	12.18	0.00	437.18	1649.24	0.00	0.00	0.00	462.34
				50	439.01	8.06	0.00	439.01	1649.24	0.00	0.00	0.00	463.03
				51	441.65	7.24	0.00	441.65	1649.24	0.00	0.00	0.00	463.17
				52	441.25	5.33	0.00	441.25	1649.24	0.00	0.00	0.00	463.48
				53	442.12	7.41	0.00	442.12	1649.24	0.00	0.00	0.00	463.14
				54	441.73	5.51	0.00	441.73	1649.24	0.00	0.00	0.00	463.46
22,2	0.800	1.340	0.800	9	45.05	-0.25	-0.00	45.05	173.06	0.00	0.00	0.00	48.33
				10	44.72	-0.26	-0.00	44.72	173.06	0.00	0.00	0.00	48.31
				11	45.24	-0.24	-0.00	45.24	173.06	0.00	0.00	0.00	48.34
				12	44.91	-0.25	-0.00	44.91	173.06	0.00	0.00	0.00	48.32
				13	48.08	0.02	0.00	48.08	173.06	0.00	0.00	0.00	48.70
				14	50.42	0.24	0.00	50.42	173.06	0.00	0.00	0.00	48.39
				15	48.44	0.03	0.00	48.44	173.06	0.00	0.00	0.00	48.68
				16	50.78	0.25	0.00	50.78	173.06	0.00	0.00	0.00	48.37
				17	52.84	0.48	0.00	52.84	173.06	0.00	0.00	0.00	48.07
				18	52.52	0.47	0.00	52.52	173.06	0.00	0.00	0.00	48.08
				19	53.04	0.49	0.00	53.04	173.06	0.00	0.00	0.00	48.06
				20	52.71	0.47	0.00	52.71	173.06	0.00	0.00	0.00	48.07
				21	46.98	-0.02	-0.00	46.98	173.06	0.00	0.00	0.00	48.69
				22	49.32	0.19	0.00	49.32	173.06	0.00	0.00	0.00	48.44
				23	47.34	-0.01	-0.00	47.34	173.06	0.00	0.00	0.00	48.72
				24	49.68	0.21	0.00	49.68	173.06	0.00	0.00	0.00	48.42
				39	47.49	-0.02	-0.00	47.49	173.06	0.00	0.00	0.00	48.70
				40	47.36	-0.02	-0.00	47.36	173.06	0.00	0.00	0.00	48.69
				41	47.57	-0.01	-0.00	47.57	173.06	0.00	0.00	0.00	48.71
				42	47.44	-0.02	-0.00	47.44	173.06	0.00	0.00	0.00	48.70
				43	48.60	0.08	0.00	48.60	173.06	0.00	0.00	0.00	48.61
				44	49.45	0.16	0.00	49.45	173.06	0.00	0.00	0.00	48.49
				45	48.74	0.09	0.00	48.74	173.06	0.00	0.00	0.00	48.60
				46	49.59	0.16	0.00	49.59	173.06	0.00	0.00	0.00	48.49
				47	50.32	0.25	0.00	50.32	173.06	0.00	0.00	0.00	48.37
				48	50.19	0.24	0.00	50.19	173.06	0.00	0.00	0.00	48.38
				49	50.39	0.25	0.00	50.39	173.06	0.00	0.00	0.00	48.37
				50	50.26	0.24	0.00	50.26	173.06	0.00	0.00	0.00	48.37
				51	48.17	0.06	0.00	48.17	173.06	0.00	0.00	0.00	48.63
				52	49.01	0.14	0.00	49.01	173.06	0.00	0.00	0.00	48.52
				53	48.31	0.07	0.00	48.31	173.06	0.00	0.00	0.00	48.62
				54	49.16	0.15	0.00	49.16	173.06	0.00	0.00	0.00	48.51
20,21	0.800	1.340	0.800	9	47.97	-0.11	-0.00	47.97	173.06	0.00	0.00	0.00	48.55
				10	50.22	-0.14	-0.00	50.22	173.06	0.00	0.00	0.00	48.52
				11	48.26	-0.11	-0.00	48.26	173.06	0.00	0.00	0.00	48.56
				12	50.51	-0.13	-0.00	50.51	173.06	0.00	0.00	0.00	48.53
				13	44.02	-0.03	-0.00	44.02	173.06	0.00	0.00	0.00	48.69
				14	42.99	0.03	0.00	42.99	173.06	0.00	0.00	0.00	48.68
				15	44.56	-0.01	-0.00	44.56	173.06	0.00	0.00	0.00	48.70
				16	43.53	0.04	0.00	43.53	173.06	0.00	0.00	0.00	48.66
				17	44.55	0.06	0.00	44.55	173.06	0.00	0.00	0.00	48.63
				18	46.80	0.03	0.00	46.80	173.06	0.00	0.00	0.00	48.68
				19	44.84	0.06	0.00	44.84	173.06	0.00	0.00	0.00	48.62
				20	47.09	0.04	0.00	47.09	173.06	0.00	0.00	0.00	48.67
				21	51.52	-0.11	-0.00	51.52	173.06	0.00	0.00	0.00	48.57
				22	50.50	-0.06	-0.00	50.50	173.06	0.00	0.00	0.00	48.64

				23	52.07	-0.10	-0.00	52.07	173.06	0.00	0.00	0.00	48.58
				24	51.04	-0.05	-0.00	51.04	173.06	0.00	0.00	0.00	48.66
				39	47.64	-0.06	-0.00	47.64	173.06	0.00	0.00	0.00	48.63
				40	48.55	-0.08	-0.00	48.55	173.06	0.00	0.00	0.00	48.61
				41	47.75	-0.06	-0.00	47.75	173.06	0.00	0.00	0.00	48.63
				42	48.66	-0.07	-0.00	48.66	173.06	0.00	0.00	0.00	48.62
				43	46.10	-0.03	-0.00	46.10	173.06	0.00	0.00	0.00	48.68
				44	45.72	-0.01	-0.00	45.72	173.06	0.00	0.00	0.00	48.71
				45	46.31	-0.03	-0.00	46.31	173.06	0.00	0.00	0.00	48.68
				46	45.94	-0.01	-0.00	45.94	173.06	0.00	0.00	0.00	48.71
				47	46.40	-0.00	-0.00	46.40	173.06	0.00	0.00	0.00	48.72
				48	47.30	-0.01	-0.00	47.30	173.06	0.00	0.00	0.00	48.71
				49	46.51	-0.00	-0.00	46.51	173.06	0.00	0.00	0.00	48.73
				50	47.42	-0.01	-0.00	47.42	173.06	0.00	0.00	0.00	48.71
				51	49.12	-0.07	-0.00	49.12	173.06	0.00	0.00	0.00	48.63
				52	48.74	-0.05	-0.00	48.74	173.06	0.00	0.00	0.00	48.65
				53	49.34	-0.06	-0.00	49.34	173.06	0.00	0.00	0.00	48.63
				54	48.96	-0.04	-0.00	48.96	173.06	0.00	0.00	0.00	48.66
19,20	0.800	6.010	0.800	9	207.29	-4.27	-0.00	207.29	776.19	0.00	0.00	0.00	217.05
				10	215.14	-6.18	-0.00	215.14	776.19	0.00	0.00	0.00	216.46
				11	208.72	-4.41	-0.00	208.72	776.19	0.00	0.00	0.00	217.01
				12	216.57	-6.32	-0.00	216.57	776.19	0.00	0.00	0.00	216.42
				13	196.16	0.28	0.00	196.16	776.19	0.00	0.00	0.00	218.44
				14	194.99	2.22	0.00	194.99	776.19	0.00	0.00	0.00	217.72
				15	198.80	0.02	0.00	198.80	776.19	0.00	0.00	0.00	218.54
				16	197.62	1.97	0.00	197.62	776.19	0.00	0.00	0.00	217.82
				17	203.37	2.20	0.00	203.37	776.19	0.00	0.00	0.00	217.76
				18	211.22	0.29	0.00	211.22	776.19	0.00	0.00	0.00	218.44
				19	204.80	2.06	0.00	204.80	776.19	0.00	0.00	0.00	217.81
				20	212.65	0.15	0.00	212.65	776.19	0.00	0.00	0.00	218.49
				21	222.32	-6.08	-0.00	222.32	776.19	0.00	0.00	0.00	216.56
				22	221.14	-4.14	-0.00	221.14	776.19	0.00	0.00	0.00	217.18
				23	224.96	-6.34	-0.00	224.96	776.19	0.00	0.00	0.00	216.50
				24	223.78	-4.40	-0.00	223.78	776.19	0.00	0.00	0.00	217.12
				39	208.83	-2.83	-0.00	208.83	776.19	0.00	0.00	0.00	217.56
				40	211.99	-3.60	-0.00	211.99	776.19	0.00	0.00	0.00	217.31
				41	209.38	-2.89	-0.00	209.38	776.19	0.00	0.00	0.00	217.54
				42	212.54	-3.65	-0.00	212.54	776.19	0.00	0.00	0.00	217.30
				43	204.39	-1.09	-0.00	204.39	776.19	0.00	0.00	0.00	218.16
				44	203.96	-0.38	-0.00	203.96	776.19	0.00	0.00	0.00	218.41
				45	205.45	-1.19	-0.00	205.45	776.19	0.00	0.00	0.00	218.12
				46	205.02	-0.48	-0.00	205.02	776.19	0.00	0.00	0.00	218.38
				47	207.40	-0.46	-0.00	207.40	776.19	0.00	0.00	0.00	218.38
				48	210.56	-1.23	-0.00	210.56	776.19	0.00	0.00	0.00	218.12
				49	207.95	-0.52	-0.00	207.95	776.19	0.00	0.00	0.00	218.36
				50	211.11	-1.28	-0.00	211.11	776.19	0.00	0.00	0.00	218.10
				51	214.92	-3.64	-0.00	214.92	776.19	0.00	0.00	0.00	217.31
				52	214.49	-2.93	-0.00	214.49	776.19	0.00	0.00	0.00	217.55
				53	215.98	-3.74	-0.00	215.98	776.19	0.00	0.00	0.00	217.29
				54	215.55	-3.03	-0.00	215.55	776.19	0.00	0.00	0.00	217.52
18,19	0.800	6.010	0.800	9	204.16	0.62	0.00	204.16	776.19	0.00	0.00	0.00	218.33
				10	209.95	0.23	0.00	209.95	776.19	0.00	0.00	0.00	218.46
				11	205.20	0.28	0.00	205.20	776.19	0.00	0.00	0.00	218.45
				12	210.98	-0.11	-0.00	210.98	776.19	0.00	0.00	0.00	218.51
				13	197.41	0.94	0.00	197.41	776.19	0.00	0.00	0.00	218.20
				14	197.77	0.71	0.00	197.77	776.19	0.00	0.00	0.00	218.28
				15	199.31	0.31	0.00	199.31	776.19	0.00	0.00	0.00	218.43
				16	199.67	0.08	0.00	199.67	776.19	0.00	0.00	0.00	218.51
				17	205.37	-0.15	-0.00	205.37	776.19	0.00	0.00	0.00	218.49
				18	211.16	-0.53	-0.00	211.16	776.19	0.00	0.00	0.00	218.36
				19	206.41	-0.49	-0.00	206.41	776.19	0.00	0.00	0.00	218.37
				20	212.19	-0.87	-0.00	212.19	776.19	0.00	0.00	0.00	218.25
				21	216.68	-0.34	-0.00	216.68	776.19	0.00	0.00	0.00	218.43
				22	217.04	-0.57	-0.00	217.04	776.19	0.00	0.00	0.00	218.36

				23	218.58	-0.96	-0.00	218.58	776.19	0.00	0.00	0.00	218.22
				24	218.95	-1.19	-0.00	218.95	776.19	0.00	0.00	0.00	218.15
				39	206.59	0.16	0.00	206.59	776.19	0.00	0.00	0.00	218.49
				40	208.92	0.00	0.00	208.92	776.19	0.00	0.00	0.00	218.54
				41	206.98	0.03	0.00	206.98	776.19	0.00	0.00	0.00	218.54
				42	209.32	-0.13	-0.00	209.32	776.19	0.00	0.00	0.00	218.50
				43	203.84	0.30	0.00	203.84	776.19	0.00	0.00	0.00	218.44
				44	203.98	0.21	0.00	203.98	776.19	0.00	0.00	0.00	218.47
				45	204.60	0.05	0.00	204.60	776.19	0.00	0.00	0.00	218.53
				46	204.74	-0.04	-0.00	204.74	776.19	0.00	0.00	0.00	218.53
				47	207.04	-0.13	-0.00	207.04	776.19	0.00	0.00	0.00	218.50
				48	209.37	-0.28	-0.00	209.37	776.19	0.00	0.00	0.00	218.45
				49	207.43	-0.26	-0.00	207.43	776.19	0.00	0.00	0.00	218.45
				50	209.76	-0.41	-0.00	209.76	776.19	0.00	0.00	0.00	218.40
				51	211.61	-0.21	-0.00	211.61	776.19	0.00	0.00	0.00	218.47
				52	211.75	-0.30	-0.00	211.75	776.19	0.00	0.00	0.00	218.44
				53	212.38	-0.47	-0.00	212.38	776.19	0.00	0.00	0.00	218.39
				54	212.51	-0.55	-0.00	212.51	776.19	0.00	0.00	0.00	218.36
17,18	0.800	6.010	0.800	9	205.10	0.83	0.00	205.10	776.19	0.00	0.00	0.00	218.25
				10	210.51	0.81	0.00	210.51	776.19	0.00	0.00	0.00	218.27
				11	205.60	0.48	0.00	205.60	776.19	0.00	0.00	0.00	218.38
				12	211.01	0.45	0.00	211.01	776.19	0.00	0.00	0.00	218.39
				13	198.74	0.68	0.00	198.74	776.19	0.00	0.00	0.00	218.30
				14	198.87	0.39	0.00	198.87	776.19	0.00	0.00	0.00	218.40
				15	199.66	0.02	0.00	199.66	776.19	0.00	0.00	0.00	218.54
				16	199.80	-0.28	-0.00	199.80	776.19	0.00	0.00	0.00	218.44
				17	205.55	-0.14	-0.00	205.55	776.19	0.00	0.00	0.00	218.50
				18	210.96	-0.17	-0.00	210.96	776.19	0.00	0.00	0.00	218.49
				19	206.05	-0.50	-0.00	206.05	776.19	0.00	0.00	0.00	218.37
				20	211.46	-0.53	-0.00	211.46	776.19	0.00	0.00	0.00	218.36
				21	216.77	0.58	0.00	216.77	776.19	0.00	0.00	0.00	218.35
				22	216.90	0.29	0.00	216.90	776.19	0.00	0.00	0.00	218.45
				23	217.69	-0.08	-0.00	217.69	776.19	0.00	0.00	0.00	218.52
				24	217.83	-0.37	-0.00	217.83	776.19	0.00	0.00	0.00	218.42
				39	207.01	0.41	0.00	207.01	776.19	0.00	0.00	0.00	218.40
				40	209.19	0.39	0.00	209.19	776.19	0.00	0.00	0.00	218.41
				41	207.20	0.27	0.00	207.20	776.19	0.00	0.00	0.00	218.45
				42	209.39	0.25	0.00	209.39	776.19	0.00	0.00	0.00	218.46
				43	204.44	0.36	0.00	204.44	776.19	0.00	0.00	0.00	218.42
				44	204.49	0.26	0.00	204.49	776.19	0.00	0.00	0.00	218.45
				45	204.81	0.10	0.00	204.81	776.19	0.00	0.00	0.00	218.51
				46	204.86	-0.01	-0.00	204.86	776.19	0.00	0.00	0.00	218.54
				47	207.18	0.05	0.00	207.18	776.19	0.00	0.00	0.00	218.53
				48	209.36	0.04	0.00	209.36	776.19	0.00	0.00	0.00	218.53
				49	207.37	-0.09	-0.00	207.37	776.19	0.00	0.00	0.00	218.52
				50	209.55	-0.10	-0.00	209.55	776.19	0.00	0.00	0.00	218.51
				51	211.71	0.32	0.00	211.71	776.19	0.00	0.00	0.00	218.44
				52	211.76	0.21	0.00	211.76	776.19	0.00	0.00	0.00	218.47
				53	212.08	0.05	0.00	212.08	776.19	0.00	0.00	0.00	218.53
				54	212.13	-0.06	-0.00	212.13	776.19	0.00	0.00	0.00	218.53
16,17	0.800	6.010	0.800	9	206.36	1.32	0.00	206.36	776.19	0.00	0.00	0.00	218.08
				10	211.47	1.09	0.00	211.47	776.19	0.00	0.00	0.00	218.17
				11	206.25	0.87	0.00	206.25	776.19	0.00	0.00	0.00	218.24
				12	211.35	0.64	0.00	211.35	776.19	0.00	0.00	0.00	218.32
				13	200.30	1.32	0.00	200.30	776.19	0.00	0.00	0.00	218.07
				14	200.18	0.92	0.00	200.18	776.19	0.00	0.00	0.00	218.21
				15	200.09	0.50	0.00	200.09	776.19	0.00	0.00	0.00	218.37
				16	199.96	0.10	0.00	199.96	776.19	0.00	0.00	0.00	218.51
				17	205.94	0.00	0.00	205.94	776.19	0.00	0.00	0.00	218.55
				18	211.05	-0.23	-0.00	211.05	776.19	0.00	0.00	0.00	218.47
				19	205.82	-0.45	-0.00	205.82	776.19	0.00	0.00	0.00	218.39
				20	210.93	-0.68	-0.00	210.93	776.19	0.00	0.00	0.00	218.31
				21	217.33	0.54	0.00	217.33	776.19	0.00	0.00	0.00	218.36
				22	217.20	0.15	0.00	217.20	776.19	0.00	0.00	0.00	218.50

				23	217.12	-0.28	-0.00	217.12	776.19	0.00	0.00	0.00	218.45
				24	216.99	-0.68	-0.00	216.99	776.19	0.00	0.00	0.00	218.32
				39	207.72	0.70	0.00	207.72	776.19	0.00	0.00	0.00	218.30
				40	209.77	0.59	0.00	209.77	776.19	0.00	0.00	0.00	218.34
				41	207.68	0.53	0.00	207.68	776.19	0.00	0.00	0.00	218.36
				42	209.72	0.42	0.00	209.72	776.19	0.00	0.00	0.00	218.40
				43	205.30	0.74	0.00	205.30	776.19	0.00	0.00	0.00	218.28
				44	205.26	0.59	0.00	205.26	776.19	0.00	0.00	0.00	218.33
				45	205.22	0.41	0.00	205.22	776.19	0.00	0.00	0.00	218.40
				46	205.17	0.27	0.00	205.17	776.19	0.00	0.00	0.00	218.45
				47	207.57	0.22	0.00	207.57	776.19	0.00	0.00	0.00	218.47
				48	209.62	0.11	0.00	209.62	776.19	0.00	0.00	0.00	218.51
				49	207.52	0.05	0.00	207.52	776.19	0.00	0.00	0.00	218.53
				50	209.57	-0.06	-0.00	209.57	776.19	0.00	0.00	0.00	218.53
				51	212.12	0.38	0.00	212.12	776.19	0.00	0.00	0.00	218.42
				52	212.08	0.23	0.00	212.08	776.19	0.00	0.00	0.00	218.47
				53	212.04	0.05	0.00	212.04	776.19	0.00	0.00	0.00	218.53
				54	211.99	-0.10	-0.00	211.99	776.19	0.00	0.00	0.00	218.51
15,16	0.800	6.230	0.800	9	215.86	1.13	0.00	215.86	804.60	0.00	0.00	0.00	226.17
				10	221.43	1.67	0.00	221.43	804.60	0.00	0.00	0.00	226.00
				11	214.89	0.54	0.00	214.89	804.60	0.00	0.00	0.00	226.36
				12	220.46	1.09	0.00	220.46	804.60	0.00	0.00	0.00	226.19
				13	209.04	0.32	0.00	209.04	804.60	0.00	0.00	0.00	226.43
				14	208.40	-0.03	-0.00	208.40	804.60	0.00	0.00	0.00	226.53
				15	207.24	-0.76	-0.00	207.24	804.60	0.00	0.00	0.00	226.28
				16	206.61	-1.11	-0.00	206.61	804.60	0.00	0.00	0.00	226.15
				17	213.75	-0.06	-0.00	213.75	804.60	0.00	0.00	0.00	226.53
				18	219.32	0.49	0.00	219.32	804.60	0.00	0.00	0.00	226.38
				19	212.78	-0.64	-0.00	212.78	804.60	0.00	0.00	0.00	226.33
				20	218.35	-0.10	-0.00	218.35	804.60	0.00	0.00	0.00	226.51
				21	227.61	2.14	0.00	227.61	804.60	0.00	0.00	0.00	225.86
				22	226.97	1.79	0.00	226.97	804.60	0.00	0.00	0.00	225.97
				23	225.81	1.06	0.00	225.81	804.60	0.00	0.00	0.00	226.20
				24	225.18	0.71	0.00	225.18	804.60	0.00	0.00	0.00	226.32
				39	216.59	0.75	0.00	216.59	804.60	0.00	0.00	0.00	226.29
				40	218.77	0.93	0.00	218.77	804.60	0.00	0.00	0.00	226.24
				41	216.21	0.53	0.00	216.21	804.60	0.00	0.00	0.00	226.37
				42	218.39	0.71	0.00	218.39	804.60	0.00	0.00	0.00	226.31
				43	213.95	0.50	0.00	213.95	804.60	0.00	0.00	0.00	226.37
				44	213.72	0.37	0.00	213.72	804.60	0.00	0.00	0.00	226.42
				45	213.23	0.07	0.00	213.23	804.60	0.00	0.00	0.00	226.52
				46	213.00	-0.06	-0.00	213.00	804.60	0.00	0.00	0.00	226.53
				47	215.82	0.32	0.00	215.82	804.60	0.00	0.00	0.00	226.44
				48	218.00	0.50	0.00	218.00	804.60	0.00	0.00	0.00	226.38
				49	215.45	0.10	0.00	215.45	804.60	0.00	0.00	0.00	226.51
				50	217.63	0.28	0.00	217.63	804.60	0.00	0.00	0.00	226.45
				51	221.22	1.09	0.00	221.22	804.60	0.00	0.00	0.00	226.19
				52	220.99	0.96	0.00	220.99	804.60	0.00	0.00	0.00	226.23
				53	220.50	0.66	0.00	220.50	804.60	0.00	0.00	0.00	226.33
				54	220.27	0.53	0.00	220.27	804.60	0.00	0.00	0.00	226.37
14,15	0.800	6.385	0.800	9	221.29	0.74	0.00	221.29	824.62	0.00	0.00	0.00	231.94
				10	227.57	0.93	0.00	227.57	824.62	0.00	0.00	0.00	231.89
				11	219.52	0.20	0.00	219.52	824.62	0.00	0.00	0.00	232.11
				12	225.79	0.39	0.00	225.79	824.62	0.00	0.00	0.00	232.06
				13	213.90	0.02	0.00	213.90	824.62	0.00	0.00	0.00	232.17
				14	213.20	-0.60	-0.00	213.20	824.62	0.00	0.00	0.00	231.98
				15	210.63	-0.97	-0.00	210.63	824.62	0.00	0.00	0.00	231.85
				16	209.93	-1.59	-0.00	209.93	824.62	0.00	0.00	0.00	231.63
				17	218.95	-1.34	-0.00	218.95	824.62	0.00	0.00	0.00	231.74
				18	225.23	-1.15	-0.00	225.23	824.62	0.00	0.00	0.00	231.81
				19	217.18	-1.87	-0.00	217.18	824.62	0.00	0.00	0.00	231.56
				20	223.46	-1.68	-0.00	223.46	824.62	0.00	0.00	0.00	231.63
				21	234.82	0.64	0.00	234.82	824.62	0.00	0.00	0.00	231.98
				22	234.12	0.02	0.00	234.12	824.62	0.00	0.00	0.00	232.17

				23	231.55	-0.34	-0.00	231.55	824.62	0.00	0.00	0.00	232.07
				24	230.84	-0.96	-0.00	230.84	824.62	0.00	0.00	0.00	231.88
				39	221.93	-0.03	-0.00	221.93	824.62	0.00	0.00	0.00	232.17
				40	224.34	0.04	0.00	224.34	824.62	0.00	0.00	0.00	232.17
				41	221.25	-0.23	-0.00	221.25	824.62	0.00	0.00	0.00	232.11
				42	223.66	-0.17	-0.00	223.66	824.62	0.00	0.00	0.00	232.13
				43	219.14	-0.26	-0.00	219.14	824.62	0.00	0.00	0.00	232.09
				44	218.89	-0.49	-0.00	218.89	824.62	0.00	0.00	0.00	232.02
				45	217.83	-0.66	-0.00	217.83	824.62	0.00	0.00	0.00	231.96
				46	217.57	-0.89	-0.00	217.57	824.62	0.00	0.00	0.00	231.89
				47	221.08	-0.78	-0.00	221.08	824.62	0.00	0.00	0.00	231.93
				48	223.49	-0.71	-0.00	223.49	824.62	0.00	0.00	0.00	231.95
				49	220.40	-0.98	-0.00	220.40	824.62	0.00	0.00	0.00	231.86
				50	222.81	-0.92	-0.00	222.81	824.62	0.00	0.00	0.00	231.88
				51	227.17	-0.06	-0.00	227.17	824.62	0.00	0.00	0.00	232.16
				52	226.92	-0.28	-0.00	226.92	824.62	0.00	0.00	0.00	232.09
				53	225.86	-0.45	-0.00	225.86	824.62	0.00	0.00	0.00	232.04
				54	225.61	-0.68	-0.00	225.61	824.62	0.00	0.00	0.00	231.96
1,14	0.800	6.385	0.800	9	218.82	-3.94	-0.00	218.82	824.62	0.00	0.00	0.00	230.87
				10	225.37	-3.43	-0.00	225.37	824.62	0.00	0.00	0.00	231.08
				11	216.59	-4.02	-0.00	216.59	824.62	0.00	0.00	0.00	230.83
				12	223.14	-3.51	-0.00	223.14	824.62	0.00	0.00	0.00	231.04
				13	212.83	-1.38	-0.00	212.83	824.62	0.00	0.00	0.00	231.71
				14	213.43	1.30	0.00	213.43	824.62	0.00	0.00	0.00	231.74
				15	208.70	-1.53	-0.00	208.70	824.62	0.00	0.00	0.00	231.65
				16	209.30	1.15	0.00	209.30	824.62	0.00	0.00	0.00	231.78
				17	220.82	4.99	0.00	220.82	824.62	0.00	0.00	0.00	230.54
				18	227.37	5.51	0.00	227.37	824.62	0.00	0.00	0.00	230.42
				19	218.59	4.91	0.00	218.59	824.62	0.00	0.00	0.00	230.55
				20	225.14	5.42	0.00	225.14	824.62	0.00	0.00	0.00	230.43
				21	234.66	0.33	0.00	234.66	824.62	0.00	0.00	0.00	232.08
				22	235.26	3.01	0.00	235.26	824.62	0.00	0.00	0.00	231.25
				23	230.53	0.18	0.00	230.53	824.62	0.00	0.00	0.00	232.12
				24	231.13	2.86	0.00	231.13	824.62	0.00	0.00	0.00	231.28
				39	220.78	-0.98	-0.00	220.78	824.62	0.00	0.00	0.00	231.86
				40	223.30	-0.75	-0.00	223.30	824.62	0.00	0.00	0.00	231.94
				41	219.93	-1.01	-0.00	219.93	824.62	0.00	0.00	0.00	231.85
				42	222.45	-0.78	-0.00	222.45	824.62	0.00	0.00	0.00	231.93
				43	218.50	-0.10	-0.00	218.50	824.62	0.00	0.00	0.00	232.15
				44	218.72	0.88	0.00	218.72	824.62	0.00	0.00	0.00	231.89
				45	216.85	-0.16	-0.00	216.85	824.62	0.00	0.00	0.00	232.13
				46	217.07	0.82	0.00	217.07	824.62	0.00	0.00	0.00	231.91
				47	221.51	2.26	0.00	221.51	824.62	0.00	0.00	0.00	231.44
				48	224.03	2.49	0.00	224.03	824.62	0.00	0.00	0.00	231.37
				49	220.66	2.23	0.00	220.66	824.62	0.00	0.00	0.00	231.45
				50	223.17	2.46	0.00	223.17	824.62	0.00	0.00	0.00	231.38
				51	226.89	0.67	0.00	226.89	824.62	0.00	0.00	0.00	231.97
				52	227.11	1.64	0.00	227.11	824.62	0.00	0.00	0.00	231.66
				53	225.24	0.61	0.00	225.24	824.62	0.00	0.00	0.00	231.99
				54	225.46	1.58	0.00	225.46	824.62	0.00	0.00	0.00	231.67
13,1	0.800	1.340	0.800	9	44.26	-0.14	-0.00	44.26	173.06	0.00	0.00	0.00	48.50
				10	45.84	-0.11	-0.00	45.84	173.06	0.00	0.00	0.00	48.55
				11	43.86	-0.13	-0.00	43.86	173.06	0.00	0.00	0.00	48.52
				12	45.44	-0.10	-0.00	45.44	173.06	0.00	0.00	0.00	48.56
				13	44.15	-0.06	-0.00	44.15	173.06	0.00	0.00	0.00	48.63
				14	45.50	0.03	0.00	45.50	173.06	0.00	0.00	0.00	48.68
				15	43.42	-0.04	-0.00	43.42	173.06	0.00	0.00	0.00	48.66
				16	44.76	0.05	0.00	44.76	173.06	0.00	0.00	0.00	48.64
				17	48.74	0.18	0.00	48.74	173.06	0.00	0.00	0.00	48.47
				18	50.33	0.20	0.00	50.33	173.06	0.00	0.00	0.00	48.44
				19	48.35	0.19	0.00	48.35	173.06	0.00	0.00	0.00	48.45
				20	49.93	0.21	0.00	49.93	173.06	0.00	0.00	0.00	48.42
				21	49.42	0.02	0.00	49.42	173.06	0.00	0.00	0.00	48.70
				22	50.77	0.11	0.00	50.77	173.06	0.00	0.00	0.00	48.56

				23	48.69	0.04	0.00	48.69	173.06	0.00	0.00	0.00	48.67
				24	50.04	0.13	0.00	50.04	173.06	0.00	0.00	0.00	48.53
				39	46.05	-0.03	-0.00	46.05	173.06	0.00	0.00	0.00	48.68
				40	46.67	-0.02	-0.00	46.67	173.06	0.00	0.00	0.00	48.70
				41	45.90	-0.02	-0.00	45.90	173.06	0.00	0.00	0.00	48.69
				42	46.51	-0.01	-0.00	46.51	173.06	0.00	0.00	0.00	48.71
				43	45.97	-0.00	-0.00	45.97	173.06	0.00	0.00	0.00	48.73
				44	46.46	0.03	0.00	46.46	173.06	0.00	0.00	0.00	48.68
				45	45.67	0.01	0.00	45.67	173.06	0.00	0.00	0.00	48.72
				46	46.16	0.04	0.00	46.16	173.06	0.00	0.00	0.00	48.66
				47	47.67	0.09	0.00	47.67	173.06	0.00	0.00	0.00	48.60
				48	48.29	0.10	0.00	48.29	173.06	0.00	0.00	0.00	48.58
				49	47.52	0.09	0.00	47.52	173.06	0.00	0.00	0.00	48.59
				50	48.14	0.10	0.00	48.14	173.06	0.00	0.00	0.00	48.58
				51	48.03	0.03	0.00	48.03	173.06	0.00	0.00	0.00	48.68
				52	48.51	0.07	0.00	48.51	173.06	0.00	0.00	0.00	48.63
				53	47.73	0.04	0.00	47.73	173.06	0.00	0.00	0.00	48.67
				54	48.22	0.07	0.00	48.22	173.06	0.00	0.00	0.00	48.62

Verifiche combinazioni di carico statiche
Verifica in condizioni **drenate**

Dati terreno

Terreno	LITOTIPO A
Angolo d'attrito φ	25.0 [deg]
Coesione c	0.0 [MPa]
Coesione non drenata c_u	0.1 [MPa]
Carico addizionale di superficie q	0.00 [kN/m^2]
Profondità D	1.000 [m]
Peso proprio terreno γ	18.50 [kN/m^3]

Fattori parziale di sicurezza del terreno verifiche a scorrimento

$\gamma_{R,Scor}$	1.000
$k_1$fattore riduzione di φ	1.000
$k_2$fattore riduzione di c	1.000
$k_3$fattore riduzione di c_u	1.000

Fattori parziale di sicurezza del terreno

$\gamma_{tg\varphi}$	1.000
γ_c	1.000
γ_{cu}	1.000

Fattori parziale di sicurezza

Verifica di capacità portante	2.300
Verifica a scorrimento	1.100

Verifiche

	Legenda
B_{eq}	Base del plinto equivalente
H_{eq}	Altezza del plinto equivalente
$H_{Trasporto}$	Quota azioni esterne rispetto alla sezione di verifica
Comb.	Combinazione di carico
N	Azione verticale
M_x	Momento flettente M_x
M_y	Momento flettente M_y
Q_{Ed}	Carico verticale di progetto
$Q_{Rd,T}$	Capacità portante Terzaghi
F_x	Azione di scorrimento F_x
F_y	Azione di scorrimento F_y
$H_{Ed,d=\sqrt{Fx,Fy}}$	Azione di scorrimento totale $H_{Ed}= \sqrt{(F_x^2+F_y^2)}$
H_{Rd}	Resistenza allo scorrimento

Elemento	B_{Eq} [m]	H_{Eq} [m]	$H_{Trasporto}$ [m]	Comb.	N [kN]	M_x [kNm]	M_y [kNm]	Q_{Ed} [kN]	$Q_{Rd,T}$ [kN]	F_x [kN]	F_y [kN]	H_{Ed} [kN]	H_{Rd} [kN]
45,54	0.800	1.340	0.800	1	74.04	0.14	0.00	74.04	89.28	0.00	0.00	0.00	35.27
				2	74.11	0.15	0.00	74.11	89.28	0.00	0.00	0.00	35.30
				3	73.67	0.14	0.00	73.67	89.28	0.00	0.00	0.00	35.12
				4	73.67	0.13	0.00	73.67	89.28	0.00	0.00	0.00	35.12
				5	69.00	0.11	0.00	69.00	89.28	0.00	0.00	0.00	33.14
				6	69.11	0.13	0.00	69.11	89.28	0.00	0.00	0.00	33.19
				7	68.38	0.11	0.00	68.38	89.28	0.00	0.00	0.00	32.88
				8	68.38	0.08	0.00	68.38	89.28	0.00	0.00	0.00	32.88
				25	55.32	0.10	0.00	55.32	89.28	0.00	0.00	0.00	27.34
				26	55.36	0.10	0.00	55.36	89.28	0.00	0.00	0.00	27.36
				27	55.07	0.10	0.00	55.07	89.28	0.00	0.00	0.00	27.23
				28	55.07	0.09	0.00	55.07	89.28	0.00	0.00	0.00	27.24
				29	51.96	0.08	0.00	51.96	89.28	0.00	0.00	0.00	25.92
				30	52.04	0.09	0.00	52.04	89.28	0.00	0.00	0.00	25.95
				31	51.55	0.07	0.00	51.55	89.28	0.00	0.00	0.00	25.74
				32	51.55	0.06	0.00	51.55	89.28	0.00	0.00	0.00	25.74
				33	49.77	0.06	0.00	49.77	89.28	0.00	0.00	0.00	24.99
				34	48.44	0.05	0.00	48.44	89.28	0.00	0.00	0.00	24.42
				35	48.45	0.06	0.00	48.45	89.28	0.00	0.00	0.00	24.43

				36	48.35	0.05	0.00	48.35	89.28	0.00	0.00	0.00	24.39
				37	48.35	0.05	0.00	48.35	89.28	0.00	0.00	0.00	24.39
				38	48.41	0.05	0.00	48.41	89.28	0.00	0.00	0.00	24.41
36,45	0.800	7.830	0.800	1	422.75	-6.63	0.00	422.75	521.70	0.00	0.00	0.00	201.90
				2	422.38	-6.23	0.00	422.38	521.70	0.00	0.00	0.00	201.75
				3	420.72	-6.46	0.00	420.72	521.70	0.00	0.00	0.00	201.04
				4	421.98	-7.01	0.00	421.98	521.70	0.00	0.00	0.00	201.57
				5	394.59	-3.10	0.00	394.59	521.70	0.00	0.00	0.00	190.01
				6	393.98	-2.44	0.00	393.98	521.70	0.00	0.00	0.00	189.76
				7	391.22	-2.83	0.00	391.22	521.70	0.00	0.00	0.00	188.58
				8	393.31	-3.73	0.00	393.31	521.70	0.00	0.00	0.00	189.46
				25	316.53	-4.50	0.00	316.53	521.70	0.00	0.00	0.00	156.88
				26	316.28	-4.24	0.00	316.28	521.70	0.00	0.00	0.00	156.78
				27	315.18	-4.39	0.00	315.18	521.70	0.00	0.00	0.00	156.31
				28	316.02	-4.75	0.00	316.02	521.70	0.00	0.00	0.00	156.65
				29	297.76	-2.15	0.00	297.76	521.70	0.00	0.00	0.00	148.96
				30	297.35	-1.71	0.00	297.35	521.70	0.00	0.00	0.00	148.80
				31	295.51	-1.97	0.00	295.51	521.70	0.00	0.00	0.00	148.01
				32	296.91	-2.57	0.00	296.91	521.70	0.00	0.00	0.00	148.59
				33	285.63	-0.73	0.00	285.63	521.70	0.00	0.00	0.00	143.84
				34	278.15	0.21	0.00	278.15	521.70	0.00	0.00	0.00	140.68
				35	278.06	0.30	0.00	278.06	521.70	0.00	0.00	0.00	140.65
				36	277.70	0.24	0.00	277.70	521.70	0.00	0.00	0.00	140.49
				37	277.98	0.12	0.00	277.98	521.70	0.00	0.00	0.00	140.61
				38	278.01	0.21	0.00	278.01	521.70	0.00	0.00	0.00	140.62
28,36	0.800	2.790	0.800	1	156.13	-0.01	0.00	156.13	185.89	0.00	0.00	0.00	74.30
				2	155.88	0.00	0.00	155.88	185.89	0.00	0.00	0.00	74.20
				3	155.30	-0.01	0.00	155.30	185.89	0.00	0.00	0.00	73.95
				4	155.88	-0.02	0.00	155.88	185.89	0.00	0.00	0.00	74.20
				5	144.11	-0.00	0.00	144.11	185.89	0.00	0.00	0.00	69.21
				6	143.69	0.01	0.00	143.69	185.89	0.00	0.00	0.00	69.03
				7	142.73	-0.01	0.00	142.73	185.89	0.00	0.00	0.00	68.62
				8	143.69	-0.02	0.00	143.69	185.89	0.00	0.00	0.00	69.03
				25	116.52	-0.00	0.00	116.52	185.89	0.00	0.00	0.00	57.51
				26	116.35	0.00	0.00	116.35	185.89	0.00	0.00	0.00	57.44
				27	115.97	-0.00	0.00	115.97	185.89	0.00	0.00	0.00	57.28
				28	116.35	-0.01	0.00	116.35	185.89	0.00	0.00	0.00	57.44
				29	108.50	-0.00	0.00	108.50	185.89	0.00	0.00	0.00	54.11
				30	108.23	0.01	0.00	108.23	185.89	0.00	0.00	0.00	53.99
				31	107.58	-0.00	0.00	107.58	185.89	0.00	0.00	0.00	53.72
				32	108.23	-0.01	0.00	108.23	185.89	0.00	0.00	0.00	53.99
				33	103.35	-0.00	0.00	103.35	185.89	0.00	0.00	0.00	51.93
				34	100.16	-0.00	0.00	100.16	185.89	0.00	0.00	0.00	50.58
				35	100.10	-0.00	0.00	100.10	185.89	0.00	0.00	0.00	50.55
				36	99.98	-0.00	0.00	99.98	185.89	0.00	0.00	0.00	50.50
				37	100.10	-0.00	0.00	100.10	185.89	0.00	0.00	0.00	50.55
				38	100.10	-0.00	0.00	100.10	185.89	0.00	0.00	0.00	50.55
20,28	0.800	7.830	0.800	1	415.59	19.84	0.00	415.59	521.70	0.00	0.00	0.00	198.68
				2	414.83	20.21	0.00	414.83	521.70	0.00	0.00	0.00	198.35
				3	413.58	19.68	0.00	413.58	521.70	0.00	0.00	0.00	197.82
				4	415.23	19.45	0.00	415.23	521.70	0.00	0.00	0.00	198.53
				5	389.82	11.91	0.00	389.82	521.70	0.00	0.00	0.00	187.85
				6	388.56	12.53	0.00	388.56	521.70	0.00	0.00	0.00	187.31
				7	386.46	11.64	0.00	386.46	521.70	0.00	0.00	0.00	186.43
				8	389.21	11.26	0.00	389.21	521.70	0.00	0.00	0.00	187.60
				25	311.66	13.49	0.00	311.66	521.70	0.00	0.00	0.00	154.64
				26	311.16	13.74	0.00	311.16	521.70	0.00	0.00	0.00	154.43
				27	310.32	13.38	0.00	310.32	521.70	0.00	0.00	0.00	154.08
				28	311.42	13.23	0.00	311.42	521.70	0.00	0.00	0.00	154.55
				29	294.48	8.20	0.00	294.48	521.70	0.00	0.00	0.00	147.45
				30	293.64	8.61	0.00	293.64	521.70	0.00	0.00	0.00	147.09
				31	292.24	8.02	0.00	292.24	521.70	0.00	0.00	0.00	146.50
				32	294.08	7.77	0.00	294.08	521.70	0.00	0.00	0.00	147.29
				33	283.31	5.02	0.00	283.31	521.70	0.00	0.00	0.00	142.77

				34	276.46	2.91	0.00	276.46	521.70	0.00	0.00	0.00	139.91
				35	276.30	2.99	0.00	276.30	521.70	0.00	0.00	0.00	139.84
				36	276.02	2.87	0.00	276.02	521.70	0.00	0.00	0.00	139.73
				37	276.38	2.82	0.00	276.38	521.70	0.00	0.00	0.00	139.88
				38	276.32	2.91	0.00	276.32	521.70	0.00	0.00	0.00	139.86
12,20	0.800	1.340	0.800	1	70.18	-0.04	0.00	70.18	89.28	0.00	0.00	0.00	33.64
				2	69.81	-0.02	0.00	69.81	89.28	0.00	0.00	0.00	33.49
				3	69.81	-0.04	0.00	69.81	89.28	0.00	0.00	0.00	33.49
				4	70.25	-0.05	0.00	70.25	89.28	0.00	0.00	0.00	33.67
				5	66.43	-0.04	0.00	66.43	89.28	0.00	0.00	0.00	32.05
				6	65.82	-0.01	0.00	65.82	89.28	0.00	0.00	0.00	31.80
				7	65.82	-0.04	0.00	65.82	89.28	0.00	0.00	0.00	31.79
				8	66.54	-0.06	0.00	66.54	89.28	0.00	0.00	0.00	32.10
				25	52.69	-0.03	0.00	52.69	89.28	0.00	0.00	0.00	26.23
				26	52.45	-0.01	0.00	52.45	89.28	0.00	0.00	0.00	26.13
				27	52.45	-0.03	0.00	52.45	89.28	0.00	0.00	0.00	26.13
				28	52.74	-0.03	0.00	52.74	89.28	0.00	0.00	0.00	26.25
				29	50.19	-0.03	0.00	50.19	89.28	0.00	0.00	0.00	25.17
				30	49.79	-0.01	0.00	49.79	89.28	0.00	0.00	0.00	25.00
				31	49.79	-0.03	0.00	49.79	89.28	0.00	0.00	0.00	25.00
				32	50.27	-0.04	0.00	50.27	89.28	0.00	0.00	0.00	25.20
				33	48.53	-0.03	0.00	48.53	89.28	0.00	0.00	0.00	24.47
				34	47.53	-0.03	0.00	47.53	89.28	0.00	0.00	0.00	24.04
				35	47.45	-0.02	0.00	47.45	89.28	0.00	0.00	0.00	24.01
				36	47.45	-0.03	0.00	47.45	89.28	0.00	0.00	0.00	24.01
				37	47.55	-0.03	0.00	47.55	89.28	0.00	0.00	0.00	24.05
				38	47.50	-0.03	0.00	47.50	89.28	0.00	0.00	0.00	24.03
44,53	0.800	1.340	0.800	1	73.89	0.19	0.00	73.89	89.28	0.00	0.00	0.00	35.21
				2	74.15	0.21	0.00	74.15	89.28	0.00	0.00	0.00	35.31
				3	74.00	0.19	0.00	74.00	89.28	0.00	0.00	0.00	35.25
				4	73.63	0.17	0.00	73.63	89.28	0.00	0.00	0.00	35.10
				5	68.38	0.14	0.00	68.38	89.28	0.00	0.00	0.00	32.87
				6	68.81	0.17	0.00	68.81	89.28	0.00	0.00	0.00	33.05
				7	68.56	0.14	0.00	68.56	89.28	0.00	0.00	0.00	32.95
				8	67.95	0.10	0.00	67.95	89.28	0.00	0.00	0.00	32.70
				25	55.17	0.13	0.00	55.17	89.28	0.00	0.00	0.00	27.27
				26	55.34	0.14	0.00	55.34	89.28	0.00	0.00	0.00	27.34
				27	55.24	0.13	0.00	55.24	89.28	0.00	0.00	0.00	27.30
				28	55.00	0.11	0.00	55.00	89.28	0.00	0.00	0.00	27.20
				29	51.50	0.10	0.00	51.50	89.28	0.00	0.00	0.00	25.72
				30	51.79	0.11	0.00	51.79	89.28	0.00	0.00	0.00	25.84
				31	51.62	0.10	0.00	51.62	89.28	0.00	0.00	0.00	25.77
				32	51.21	0.07	0.00	51.21	89.28	0.00	0.00	0.00	25.60
				33	49.33	0.08	0.00	49.33	89.28	0.00	0.00	0.00	24.80
				34	47.86	0.07	0.00	47.86	89.28	0.00	0.00	0.00	24.18
				35	47.92	0.07	0.00	47.92	89.28	0.00	0.00	0.00	24.20
				36	47.88	0.06	0.00	47.88	89.28	0.00	0.00	0.00	24.19
				37	47.80	0.06	0.00	47.80	89.28	0.00	0.00	0.00	24.16
				38	47.87	0.07	0.00	47.87	89.28	0.00	0.00	0.00	24.18
35,44	0.800	7.830	0.800	1	410.64	6.74	0.00	410.64	521.70	0.00	0.00	0.00	196.76
				2	411.18	6.90	0.00	411.18	521.70	0.00	0.00	0.00	196.99
				3	411.50	6.39	0.00	411.50	521.70	0.00	0.00	0.00	197.13
				4	410.70	6.70	0.00	410.70	521.70	0.00	0.00	0.00	196.79
				5	383.00	6.83	0.00	383.00	521.70	0.00	0.00	0.00	185.04
				6	383.91	7.11	0.00	383.91	521.70	0.00	0.00	0.00	185.42
				7	384.44	6.25	0.00	384.44	521.70	0.00	0.00	0.00	185.65
				8	383.11	6.77	0.00	383.11	521.70	0.00	0.00	0.00	185.08
				25	308.11	4.52	0.00	308.11	521.70	0.00	0.00	0.00	153.31
				26	308.47	4.63	0.00	308.47	521.70	0.00	0.00	0.00	153.46
				27	308.69	4.29	0.00	308.69	521.70	0.00	0.00	0.00	153.55
				28	308.15	4.49	0.00	308.15	521.70	0.00	0.00	0.00	153.32
				29	289.69	4.58	0.00	289.69	521.70	0.00	0.00	0.00	145.49
				30	290.29	4.77	0.00	290.29	521.70	0.00	0.00	0.00	145.74
				31	290.64	4.20	0.00	290.64	521.70	0.00	0.00	0.00	145.90

				32	289.75	4.54	0.00	289.75	521.70	0.00	0.00	0.00	145.52
				33	278.90	4.53	0.00	278.90	521.70	0.00	0.00	0.00	140.91
				34	271.52	4.56	0.00	271.52	521.70	0.00	0.00	0.00	137.78
				35	271.64	4.59	0.00	271.64	521.70	0.00	0.00	0.00	137.83
				36	271.71	4.48	0.00	271.71	521.70	0.00	0.00	0.00	137.87
				37	271.54	4.55	0.00	271.54	521.70	0.00	0.00	0.00	137.79
				38	271.57	4.54	0.00	271.57	521.70	0.00	0.00	0.00	137.80
27,35	0.800	2.790	0.800	1	148.91	-0.05	0.00	148.91	185.89	0.00	0.00	0.00	71.24
				2	148.97	-0.00	0.00	148.97	185.89	0.00	0.00	0.00	71.27
				3	149.33	-0.05	0.00	149.33	185.89	0.00	0.00	0.00	71.42
				4	148.97	-0.09	0.00	148.97	185.89	0.00	0.00	0.00	71.26
				5	137.67	-0.03	0.00	137.67	185.89	0.00	0.00	0.00	66.47
				6	137.76	0.04	0.00	137.76	185.89	0.00	0.00	0.00	66.52
				7	138.36	-0.03	0.00	138.36	185.89	0.00	0.00	0.00	66.77
				8	137.77	-0.11	0.00	137.77	185.89	0.00	0.00	0.00	66.51
				25	111.55	-0.03	0.00	111.55	185.89	0.00	0.00	0.00	55.40
				26	111.59	-0.00	0.00	111.59	185.89	0.00	0.00	0.00	55.42
				27	111.83	-0.03	0.00	111.83	185.89	0.00	0.00	0.00	55.52
				28	111.59	-0.06	0.00	111.59	185.89	0.00	0.00	0.00	55.42
				29	104.06	-0.02	0.00	104.06	185.89	0.00	0.00	0.00	52.23
				30	104.12	0.03	0.00	104.12	185.89	0.00	0.00	0.00	52.25
				31	104.52	-0.02	0.00	104.52	185.89	0.00	0.00	0.00	52.42
				32	104.12	-0.07	0.00	104.12	185.89	0.00	0.00	0.00	52.25
				33	99.69	-0.02	0.00	99.69	185.89	0.00	0.00	0.00	50.37
				34	96.68	-0.01	0.00	96.68	185.89	0.00	0.00	0.00	49.10
				35	96.70	-0.00	0.00	96.70	185.89	0.00	0.00	0.00	49.11
				36	96.77	-0.01	0.00	96.77	185.89	0.00	0.00	0.00	49.14
				37	96.70	-0.02	0.00	96.70	185.89	0.00	0.00	0.00	49.11
				38	96.70	-0.01	0.00	96.70	185.89	0.00	0.00	0.00	49.11
19,27	0.800	7.830	0.800	1	400.84	12.14	0.00	400.84	521.70	0.00	0.00	0.00	192.52
				2	400.90	12.18	0.00	400.90	521.70	0.00	0.00	0.00	192.55
				3	401.70	12.48	0.00	401.70	521.70	0.00	0.00	0.00	192.88
				4	401.38	11.97	0.00	401.38	521.70	0.00	0.00	0.00	192.76
				5	376.56	5.61	0.00	376.56	521.70	0.00	0.00	0.00	182.32
				6	376.65	5.67	0.00	376.65	521.70	0.00	0.00	0.00	182.36
				7	378.00	6.18	0.00	378.00	521.70	0.00	0.00	0.00	182.92
				8	377.47	5.33	0.00	377.47	521.70	0.00	0.00	0.00	182.71
				25	301.47	8.28	0.00	301.47	521.70	0.00	0.00	0.00	150.42
				26	301.51	8.30	0.00	301.51	521.70	0.00	0.00	0.00	150.43
				27	302.04	8.51	0.00	302.04	521.70	0.00	0.00	0.00	150.66
				28	301.83	8.17	0.00	301.83	521.70	0.00	0.00	0.00	150.57
				29	285.28	3.92	0.00	285.28	521.70	0.00	0.00	0.00	143.63
				30	285.35	3.97	0.00	285.35	521.70	0.00	0.00	0.00	143.66
				31	286.24	4.31	0.00	286.24	521.70	0.00	0.00	0.00	144.03
				32	285.89	3.74	0.00	285.89	521.70	0.00	0.00	0.00	143.89
				33	275.84	1.41	0.00	275.84	521.70	0.00	0.00	0.00	139.68
				34	269.35	-0.34	0.00	269.35	521.70	0.00	0.00	0.00	136.95
				35	269.37	-0.33	0.00	269.37	521.70	0.00	0.00	0.00	136.96
				36	269.54	-0.26	0.00	269.54	521.70	0.00	0.00	0.00	137.04
				37	269.47	-0.37	0.00	269.47	521.70	0.00	0.00	0.00	137.00
				38	269.40	-0.32	0.00	269.40	521.70	0.00	0.00	0.00	136.97
11,19	0.800	1.340	0.800	1	68.60	-0.06	0.00	68.60	89.28	0.00	0.00	0.00	32.97
				2	68.34	-0.03	0.00	68.34	89.28	0.00	0.00	0.00	32.87
				3	68.70	-0.06	0.00	68.70	89.28	0.00	0.00	0.00	33.02
				4	68.85	-0.07	0.00	68.85	89.28	0.00	0.00	0.00	33.08
				5	64.89	-0.05	0.00	64.89	89.28	0.00	0.00	0.00	31.40
				6	64.47	-0.01	0.00	64.47	89.28	0.00	0.00	0.00	31.22
				7	65.07	-0.05	0.00	65.07	89.28	0.00	0.00	0.00	31.48
				8	65.32	-0.08	0.00	65.32	89.28	0.00	0.00	0.00	31.58
				25	51.58	-0.04	0.00	51.58	89.28	0.00	0.00	0.00	25.76
				26	51.41	-0.02	0.00	51.41	89.28	0.00	0.00	0.00	25.69
				27	51.65	-0.04	0.00	51.65	89.28	0.00	0.00	0.00	25.79
				28	51.75	-0.05	0.00	51.75	89.28	0.00	0.00	0.00	25.83
				29	49.11	-0.04	0.00	49.11	89.28	0.00	0.00	0.00	24.71

				30	48.83	-0.01	0.00	48.83	89.28	0.00	0.00	0.00	24.60
				31	49.23	-0.04	0.00	49.23	89.28	0.00	0.00	0.00	24.76
				32	49.40	-0.05	0.00	49.40	89.28	0.00	0.00	0.00	24.83
				33	47.67	-0.04	0.00	47.67	89.28	0.00	0.00	0.00	24.10
				34	46.68	-0.03	0.00	46.68	89.28	0.00	0.00	0.00	23.68
				35	46.62	-0.03	0.00	46.62	89.28	0.00	0.00	0.00	23.66
				36	46.70	-0.03	0.00	46.70	89.28	0.00	0.00	0.00	23.69
				37	46.74	-0.04	0.00	46.74	89.28	0.00	0.00	0.00	23.71
				38	46.68	-0.03	0.00	46.68	89.28	0.00	0.00	0.00	23.68
43,52	0.800	1.340	0.800	1	74.23	0.21	0.00	74.23	89.28	0.00	0.00	0.00	35.35
				2	74.50	0.23	0.00	74.50	89.28	0.00	0.00	0.00	35.46
				3	74.27	0.21	0.00	74.27	89.28	0.00	0.00	0.00	35.36
				4	73.93	0.19	0.00	73.93	89.28	0.00	0.00	0.00	35.23
				5	68.60	0.16	0.00	68.60	89.28	0.00	0.00	0.00	32.97
				6	69.05	0.18	0.00	69.05	89.28	0.00	0.00	0.00	33.15
				7	68.65	0.16	0.00	68.65	89.28	0.00	0.00	0.00	32.99
				8	68.10	0.11	0.00	68.10	89.28	0.00	0.00	0.00	32.76
				25	55.39	0.14	0.00	55.39	89.28	0.00	0.00	0.00	27.37
				26	55.57	0.15	0.00	55.57	89.28	0.00	0.00	0.00	27.44
				27	55.41	0.14	0.00	55.41	89.28	0.00	0.00	0.00	27.37
				28	55.19	0.13	0.00	55.19	89.28	0.00	0.00	0.00	27.28
				29	51.64	0.11	0.00	51.64	89.28	0.00	0.00	0.00	25.78
				30	51.94	0.12	0.00	51.94	89.28	0.00	0.00	0.00	25.90
				31	51.67	0.11	0.00	51.67	89.28	0.00	0.00	0.00	25.79
				32	51.30	0.08	0.00	51.30	89.28	0.00	0.00	0.00	25.64
				33	49.40	0.09	0.00	49.40	89.28	0.00	0.00	0.00	24.83
				34	47.89	0.07	0.00	47.89	89.28	0.00	0.00	0.00	24.19
				35	47.95	0.07	0.00	47.95	89.28	0.00	0.00	0.00	24.22
				36	47.90	0.07	0.00	47.90	89.28	0.00	0.00	0.00	24.20
				37	47.83	0.06	0.00	47.83	89.28	0.00	0.00	0.00	24.17
				38	47.90	0.07	0.00	47.90	89.28	0.00	0.00	0.00	24.19
34,43	0.800	7.830	0.800	1	409.13	10.33	0.00	409.13	521.70	0.00	0.00	0.00	196.07
				2	409.60	10.59	0.00	409.60	521.70	0.00	0.00	0.00	196.26
				3	409.33	10.29	0.00	409.33	521.70	0.00	0.00	0.00	196.16
				4	409.01	10.35	0.00	409.01	521.70	0.00	0.00	0.00	196.02
				5	381.82	9.40	0.00	381.82	521.70	0.00	0.00	0.00	184.49
				6	382.60	9.82	0.00	382.60	521.70	0.00	0.00	0.00	184.82
				7	382.16	9.32	0.00	382.16	521.70	0.00	0.00	0.00	184.64
				8	381.61	9.42	0.00	381.61	521.70	0.00	0.00	0.00	184.41
				25	307.04	6.95	0.00	307.04	521.70	0.00	0.00	0.00	152.81
				26	307.36	7.12	0.00	307.36	521.70	0.00	0.00	0.00	152.94
				27	307.18	6.92	0.00	307.18	521.70	0.00	0.00	0.00	152.87
				28	306.96	6.96	0.00	306.96	521.70	0.00	0.00	0.00	152.77
				29	288.84	6.32	0.00	288.84	521.70	0.00	0.00	0.00	145.09
				30	289.36	6.61	0.00	289.36	521.70	0.00	0.00	0.00	145.31
				31	289.06	6.27	0.00	289.06	521.70	0.00	0.00	0.00	145.19
				32	288.70	6.34	0.00	288.70	521.70	0.00	0.00	0.00	145.03
				33	277.99	5.93	0.00	277.99	521.70	0.00	0.00	0.00	140.50
				34	270.71	5.68	0.00	270.71	521.70	0.00	0.00	0.00	137.41
				35	270.81	5.74	0.00	270.81	521.70	0.00	0.00	0.00	137.46
				36	270.75	5.67	0.00	270.75	521.70	0.00	0.00	0.00	137.43
				37	270.68	5.69	0.00	270.68	521.70	0.00	0.00	0.00	137.40
				38	270.72	5.68	0.00	270.72	521.70	0.00	0.00	0.00	137.42
26,34	0.800	2.790	0.800	1	147.53	-0.05	0.00	147.53	185.89	0.00	0.00	0.00	70.65
				2	147.52	0.00	0.00	147.52	185.89	0.00	0.00	0.00	70.65
				3	147.62	-0.05	0.00	147.62	185.89	0.00	0.00	0.00	70.69
				4	147.52	-0.10	0.00	147.52	185.89	0.00	0.00	0.00	70.65
				5	136.63	-0.03	0.00	136.63	185.89	0.00	0.00	0.00	66.03
				6	136.61	0.05	0.00	136.61	185.89	0.00	0.00	0.00	66.03
				7	136.78	-0.03	0.00	136.78	185.89	0.00	0.00	0.00	66.10
				8	136.61	-0.12	0.00	136.61	185.89	0.00	0.00	0.00	66.02
				25	110.60	-0.03	0.00	110.60	185.89	0.00	0.00	0.00	55.00
				26	110.59	0.00	0.00	110.59	185.89	0.00	0.00	0.00	55.00
				27	110.66	-0.03	0.00	110.66	185.89	0.00	0.00	0.00	55.03

				28	110.59	-0.07	0.00	110.59	185.89	0.00	0.00	0.00	54.99
				29	103.33	-0.02	0.00	103.33	185.89	0.00	0.00	0.00	51.92
				30	103.32	0.03	0.00	103.32	185.89	0.00	0.00	0.00	51.91
				31	103.43	-0.02	0.00	103.43	185.89	0.00	0.00	0.00	51.96
				32	103.32	-0.08	0.00	103.32	185.89	0.00	0.00	0.00	51.91
				33	99.01	-0.02	0.00	99.01	185.89	0.00	0.00	0.00	50.09
				34	96.10	-0.01	0.00	96.10	185.89	0.00	0.00	0.00	48.85
				35	96.10	-0.00	0.00	96.10	185.89	0.00	0.00	0.00	48.85
				36	96.12	-0.01	0.00	96.12	185.89	0.00	0.00	0.00	48.86
				37	96.10	-0.02	0.00	96.10	185.89	0.00	0.00	0.00	48.85
				38	96.11	-0.01	0.00	96.11	185.89	0.00	0.00	0.00	48.86
18,26	0.800	7.830	0.800	1	398.51	10.08	0.00	398.51	521.70	0.00	0.00	0.00	191.57
				2	398.39	10.06	0.00	398.39	521.70	0.00	0.00	0.00	191.51
				3	398.72	10.12	0.00	398.72	521.70	0.00	0.00	0.00	191.65
				4	398.98	9.82	0.00	398.98	521.70	0.00	0.00	0.00	191.77
				5	374.85	4.04	0.00	374.85	521.70	0.00	0.00	0.00	181.62
				6	374.64	4.01	0.00	374.64	521.70	0.00	0.00	0.00	181.53
				7	375.19	4.11	0.00	375.19	521.70	0.00	0.00	0.00	181.76
				8	375.63	3.61	0.00	375.63	521.70	0.00	0.00	0.00	181.96
				25	299.85	6.89	0.00	299.85	521.70	0.00	0.00	0.00	149.76
				26	299.77	6.88	0.00	299.77	521.70	0.00	0.00	0.00	149.72
				27	299.99	6.92	0.00	299.99	521.70	0.00	0.00	0.00	149.81
				28	300.16	6.72	0.00	300.16	521.70	0.00	0.00	0.00	149.89
				29	284.07	2.86	0.00	284.07	521.70	0.00	0.00	0.00	143.14
				30	283.93	2.84	0.00	283.93	521.70	0.00	0.00	0.00	143.08
				31	284.30	2.91	0.00	284.30	521.70	0.00	0.00	0.00	143.24
				32	284.60	2.58	0.00	284.60	521.70	0.00	0.00	0.00	143.37
				33	274.69	0.46	0.00	274.69	521.70	0.00	0.00	0.00	139.21
				34	268.38	-1.15	0.00	268.38	521.70	0.00	0.00	0.00	136.52
				35	268.35	-1.16	0.00	268.35	521.70	0.00	0.00	0.00	136.51
				36	268.42	-1.14	0.00	268.42	521.70	0.00	0.00	0.00	136.54
				37	268.48	-1.21	0.00	268.48	521.70	0.00	0.00	0.00	136.56
				38	268.39	-1.15	0.00	268.39	521.70	0.00	0.00	0.00	136.53
10,18	0.800	1.340	0.800	1	68.50	-0.07	0.00	68.50	89.28	0.00	0.00	0.00	32.93
				2	68.20	-0.04	0.00	68.20	89.28	0.00	0.00	0.00	32.80
				3	68.53	-0.07	0.00	68.53	89.28	0.00	0.00	0.00	32.94
				4	68.77	-0.08	0.00	68.77	89.28	0.00	0.00	0.00	33.04
				5	64.82	-0.06	0.00	64.82	89.28	0.00	0.00	0.00	31.37
				6	64.33	-0.02	0.00	64.33	89.28	0.00	0.00	0.00	31.17
				7	64.88	-0.06	0.00	64.88	89.28	0.00	0.00	0.00	31.40
				8	65.28	-0.09	0.00	65.28	89.28	0.00	0.00	0.00	31.56
				25	51.50	-0.04	0.00	51.50	89.28	0.00	0.00	0.00	25.73
				26	51.30	-0.03	0.00	51.30	89.28	0.00	0.00	0.00	25.64
				27	51.53	-0.04	0.00	51.53	89.28	0.00	0.00	0.00	25.74
				28	51.69	-0.05	0.00	51.69	89.28	0.00	0.00	0.00	25.80
				29	49.06	-0.04	0.00	49.06	89.28	0.00	0.00	0.00	24.69
				30	48.72	-0.01	0.00	48.72	89.28	0.00	0.00	0.00	24.55
				31	49.09	-0.04	0.00	49.09	89.28	0.00	0.00	0.00	24.70
				32	49.36	-0.06	0.00	49.36	89.28	0.00	0.00	0.00	24.82
				33	47.60	-0.04	0.00	47.60	89.28	0.00	0.00	0.00	24.07
				34	46.62	-0.04	0.00	46.62	89.28	0.00	0.00	0.00	23.66
				35	46.56	-0.03	0.00	46.56	89.28	0.00	0.00	0.00	23.63
				36	46.63	-0.04	0.00	46.63	89.28	0.00	0.00	0.00	23.66
				37	46.68	-0.04	0.00	46.68	89.28	0.00	0.00	0.00	23.68
				38	46.63	-0.04	0.00	46.63	89.28	0.00	0.00	0.00	23.66
42,51	0.800	1.340	0.800	1	74.34	0.21	0.00	74.34	89.28	0.00	0.00	0.00	35.39
				2	74.61	0.23	0.00	74.61	89.28	0.00	0.00	0.00	35.51
				3	74.34	0.21	0.00	74.34	89.28	0.00	0.00	0.00	35.39
				4	74.01	0.19	0.00	74.01	89.28	0.00	0.00	0.00	35.26
				5	68.70	0.16	0.00	68.70	89.28	0.00	0.00	0.00	33.01
				6	69.16	0.19	0.00	69.16	89.28	0.00	0.00	0.00	33.20
				7	68.70	0.16	0.00	68.70	89.28	0.00	0.00	0.00	33.01
				8	68.16	0.11	0.00	68.16	89.28	0.00	0.00	0.00	32.78
				25	55.47	0.14	0.00	55.47	89.28	0.00	0.00	0.00	27.40

				26	55.65	0.16	0.00	55.65	89.28	0.00	0.00	0.00	27.47
				27	55.46	0.14	0.00	55.46	89.28	0.00	0.00	0.00	27.40
				28	55.25	0.13	0.00	55.25	89.28	0.00	0.00	0.00	27.31
				29	51.71	0.11	0.00	51.71	89.28	0.00	0.00	0.00	25.81
				30	52.02	0.13	0.00	52.02	89.28	0.00	0.00	0.00	25.93
				31	51.71	0.11	0.00	51.71	89.28	0.00	0.00	0.00	25.81
				32	51.35	0.08	0.00	51.35	89.28	0.00	0.00	0.00	25.66
				33	49.46	0.09	0.00	49.46	89.28	0.00	0.00	0.00	24.85
				34	47.95	0.07	0.00	47.95	89.28	0.00	0.00	0.00	24.22
				35	48.02	0.07	0.00	48.02	89.28	0.00	0.00	0.00	24.24
				36	47.95	0.07	0.00	47.95	89.28	0.00	0.00	0.00	24.22
				37	47.88	0.06	0.00	47.88	89.28	0.00	0.00	0.00	24.19
				38	47.95	0.07	0.00	47.95	89.28	0.00	0.00	0.00	24.22
33,42	0.800	7.830	0.800	1	410.05	9.71	0.00	410.05	521.70	0.00	0.00	0.00	196.47
				2	410.44	10.03	0.00	410.44	521.70	0.00	0.00	0.00	196.63
				3	410.00	9.75	0.00	410.00	521.70	0.00	0.00	0.00	196.45
				4	409.86	9.71	0.00	409.86	521.70	0.00	0.00	0.00	196.39
				5	382.63	8.96	0.00	382.63	521.70	0.00	0.00	0.00	184.84
				6	383.29	9.49	0.00	383.29	521.70	0.00	0.00	0.00	185.12
				7	382.56	9.03	0.00	382.56	521.70	0.00	0.00	0.00	184.81
				8	382.31	8.95	0.00	382.31	521.70	0.00	0.00	0.00	184.71
				25	307.67	6.53	0.00	307.67	521.70	0.00	0.00	0.00	153.08
				26	307.94	6.74	0.00	307.94	521.70	0.00	0.00	0.00	153.19
				27	307.64	6.56	0.00	307.64	521.70	0.00	0.00	0.00	153.07
				28	307.55	6.52	0.00	307.55	521.70	0.00	0.00	0.00	153.03
				29	289.39	6.02	0.00	289.39	521.70	0.00	0.00	0.00	145.33
				30	289.83	6.38	0.00	289.83	521.70	0.00	0.00	0.00	145.52
				31	289.34	6.07	0.00	289.34	521.70	0.00	0.00	0.00	145.31
				32	289.18	6.02	0.00	289.18	521.70	0.00	0.00	0.00	145.25
				33	278.41	5.74	0.00	278.41	521.70	0.00	0.00	0.00	140.68
				34	271.10	5.54	0.00	271.10	521.70	0.00	0.00	0.00	137.58
				35	271.19	5.61	0.00	271.19	521.70	0.00	0.00	0.00	137.62
				36	271.09	5.55	0.00	271.09	521.70	0.00	0.00	0.00	137.58
				37	271.06	5.54	0.00	271.06	521.70	0.00	0.00	0.00	137.57
				38	271.10	5.54	0.00	271.10	521.70	0.00	0.00	0.00	137.58
25,33	0.800	2.790	0.800	1	148.07	-0.05	0.00	148.07	185.89	0.00	0.00	0.00	70.88
				2	148.03	-0.00	0.00	148.03	185.89	0.00	0.00	0.00	70.87
				3	148.04	-0.05	0.00	148.04	185.89	0.00	0.00	0.00	70.87
				4	148.03	-0.10	0.00	148.03	185.89	0.00	0.00	0.00	70.86
				5	137.07	-0.03	0.00	137.07	185.89	0.00	0.00	0.00	66.22
				6	137.00	0.05	0.00	137.00	185.89	0.00	0.00	0.00	66.19
				7	137.03	-0.03	0.00	137.03	185.89	0.00	0.00	0.00	66.20
				8	137.00	-0.12	0.00	137.00	185.89	0.00	0.00	0.00	66.19
				25	110.97	-0.04	0.00	110.97	185.89	0.00	0.00	0.00	55.16
				26	110.94	-0.00	0.00	110.94	185.89	0.00	0.00	0.00	55.15
				27	110.95	-0.04	0.00	110.95	185.89	0.00	0.00	0.00	55.15
				28	110.94	-0.07	0.00	110.94	185.89	0.00	0.00	0.00	55.14
				29	103.64	-0.02	0.00	103.64	185.89	0.00	0.00	0.00	52.05
				30	103.59	0.03	0.00	103.59	185.89	0.00	0.00	0.00	52.03
				31	103.61	-0.02	0.00	103.61	185.89	0.00	0.00	0.00	52.04
				32	103.59	-0.08	0.00	103.59	185.89	0.00	0.00	0.00	52.03
				33	99.23	-0.02	0.00	99.23	185.89	0.00	0.00	0.00	50.18
				34	96.29	-0.01	0.00	96.29	185.89	0.00	0.00	0.00	48.94
				35	96.29	-0.00	0.00	96.29	185.89	0.00	0.00	0.00	48.93
				36	96.29	-0.01	0.00	96.29	185.89	0.00	0.00	0.00	48.93
				37	96.29	-0.02	0.00	96.29	185.89	0.00	0.00	0.00	48.93
				38	96.29	-0.01	0.00	96.29	185.89	0.00	0.00	0.00	48.94
17,25	0.800	7.830	0.800	1	399.55	10.64	0.00	399.55	521.70	0.00	0.00	0.00	192.00
				2	399.36	10.65	0.00	399.36	521.70	0.00	0.00	0.00	191.92
				3	399.50	10.60	0.00	399.50	521.70	0.00	0.00	0.00	191.98
				4	399.94	10.33	0.00	399.94	521.70	0.00	0.00	0.00	192.17
				5	375.73	4.44	0.00	375.73	521.70	0.00	0.00	0.00	181.99
				6	375.42	4.45	0.00	375.42	521.70	0.00	0.00	0.00	181.85
				7	375.66	4.38	0.00	375.66	521.70	0.00	0.00	0.00	181.96

				8	376.39	3.91	0.00	376.39	521.70	0.00	0.00	0.00	182.28
				25	300.56	7.27	0.00	300.56	521.70	0.00	0.00	0.00	150.05
				26	300.43	7.27	0.00	300.43	521.70	0.00	0.00	0.00	150.00
				27	300.53	7.24	0.00	300.53	521.70	0.00	0.00	0.00	150.04
				28	300.82	7.06	0.00	300.82	521.70	0.00	0.00	0.00	150.17
				29	284.68	3.14	0.00	284.68	521.70	0.00	0.00	0.00	143.39
				30	284.47	3.14	0.00	284.47	521.70	0.00	0.00	0.00	143.31
				31	284.63	3.09	0.00	284.63	521.70	0.00	0.00	0.00	143.37
				32	285.12	2.78	0.00	285.12	521.70	0.00	0.00	0.00	143.59
				33	275.14	0.64	0.00	275.14	521.70	0.00	0.00	0.00	139.40
				34	268.79	-1.02	0.00	268.79	521.70	0.00	0.00	0.00	136.70
				35	268.75	-1.02	0.00	268.75	521.70	0.00	0.00	0.00	136.68
				36	268.78	-1.03	0.00	268.78	521.70	0.00	0.00	0.00	136.70
				37	268.88	-1.09	0.00	268.88	521.70	0.00	0.00	0.00	136.74
				38	268.79	-1.02	0.00	268.79	521.70	0.00	0.00	0.00	136.70
9,17	0.800	1.340	0.800	1	68.60	-0.06	0.00	68.60	89.28	0.00	0.00	0.00	32.97
				2	68.28	-0.04	0.00	68.28	89.28	0.00	0.00	0.00	32.84
				3	68.60	-0.06	0.00	68.60	89.28	0.00	0.00	0.00	32.97
				4	68.88	-0.08	0.00	68.88	89.28	0.00	0.00	0.00	33.09
				5	64.93	-0.06	0.00	64.93	89.28	0.00	0.00	0.00	31.42
				6	64.39	-0.01	0.00	64.39	89.28	0.00	0.00	0.00	31.19
				7	64.93	-0.06	0.00	64.93	89.28	0.00	0.00	0.00	31.42
				8	65.39	-0.09	0.00	65.39	89.28	0.00	0.00	0.00	31.61
				25	51.58	-0.04	0.00	51.58	89.28	0.00	0.00	0.00	25.76
				26	51.36	-0.02	0.00	51.36	89.28	0.00	0.00	0.00	25.67
				27	51.58	-0.04	0.00	51.58	89.28	0.00	0.00	0.00	25.76
				28	51.76	-0.05	0.00	51.76	89.28	0.00	0.00	0.00	25.83
				29	49.13	-0.04	0.00	49.13	89.28	0.00	0.00	0.00	24.72
				30	48.77	-0.01	0.00	48.77	89.28	0.00	0.00	0.00	24.57
				31	49.13	-0.04	0.00	49.13	89.28	0.00	0.00	0.00	24.72
				32	49.44	-0.06	0.00	49.44	89.28	0.00	0.00	0.00	24.85
				33	47.66	-0.04	0.00	47.66	89.28	0.00	0.00	0.00	24.10
				34	46.68	-0.04	0.00	46.68	89.28	0.00	0.00	0.00	23.68
				35	46.61	-0.03	0.00	46.61	89.28	0.00	0.00	0.00	23.65
				36	46.68	-0.04	0.00	46.68	89.28	0.00	0.00	0.00	23.68
				37	46.74	-0.04	0.00	46.74	89.28	0.00	0.00	0.00	23.71
				38	46.68	-0.04	0.00	46.68	89.28	0.00	0.00	0.00	23.68
41,50	0.800	1.340	0.800	1	74.88	0.20	0.00	74.88	89.28	0.00	0.00	0.00	35.62
				2	75.18	0.22	0.00	75.18	89.28	0.00	0.00	0.00	35.75
				3	74.86	0.20	0.00	74.86	89.28	0.00	0.00	0.00	35.62
				4	74.51	0.17	0.00	74.51	89.28	0.00	0.00	0.00	35.47
				5	69.07	0.15	0.00	69.07	89.28	0.00	0.00	0.00	33.16
				6	69.58	0.19	0.00	69.58	89.28	0.00	0.00	0.00	33.38
				7	69.04	0.15	0.00	69.04	89.28	0.00	0.00	0.00	33.15
				8	68.45	0.10	0.00	68.45	89.28	0.00	0.00	0.00	32.91
				25	55.83	0.14	0.00	55.83	89.28	0.00	0.00	0.00	27.55
				26	56.03	0.15	0.00	56.03	89.28	0.00	0.00	0.00	27.64
				27	55.82	0.14	0.00	55.82	89.28	0.00	0.00	0.00	27.55
				28	55.58	0.12	0.00	55.58	89.28	0.00	0.00	0.00	27.45
				29	51.96	0.10	0.00	51.96	89.28	0.00	0.00	0.00	25.91
				30	52.30	0.13	0.00	52.30	89.28	0.00	0.00	0.00	26.05
				31	51.94	0.10	0.00	51.94	89.28	0.00	0.00	0.00	25.90
				32	51.54	0.07	0.00	51.54	89.28	0.00	0.00	0.00	25.74
				33	49.62	0.08	0.00	49.62	89.28	0.00	0.00	0.00	24.92
				34	48.07	0.07	0.00	48.07	89.28	0.00	0.00	0.00	24.27
				35	48.14	0.07	0.00	48.14	89.28	0.00	0.00	0.00	24.30
				36	48.07	0.07	0.00	48.07	89.28	0.00	0.00	0.00	24.27
				37	47.99	0.06	0.00	47.99	89.28	0.00	0.00	0.00	24.24
				38	48.07	0.07	0.00	48.07	89.28	0.00	0.00	0.00	24.27
32,41	0.800	7.830	0.800	1	416.55	4.90	0.00	416.55	521.70	0.00	0.00	0.00	199.29
				2	416.69	5.50	0.00	416.69	521.70	0.00	0.00	0.00	199.34
				3	416.23	5.19	0.00	416.23	521.70	0.00	0.00	0.00	199.15
				4	416.32	4.92	0.00	416.32	521.70	0.00	0.00	0.00	199.19
				5	387.10	5.60	0.00	387.10	521.70	0.00	0.00	0.00	186.79

				6	387.33	6.59	0.00	387.33	521.70	0.00	0.00	0.00	186.87
				7	386.58	6.08	0.00	386.58	521.70	0.00	0.00	0.00	186.56
				8	386.72	5.63	0.00	386.72	521.70	0.00	0.00	0.00	186.63
				25	312.10	3.24	0.00	312.10	521.70	0.00	0.00	0.00	155.02
				26	312.19	3.64	0.00	312.19	521.70	0.00	0.00	0.00	155.05
				27	311.89	3.43	0.00	311.89	521.70	0.00	0.00	0.00	154.93
				28	311.94	3.25	0.00	311.94	521.70	0.00	0.00	0.00	154.96
				29	292.47	3.71	0.00	292.47	521.70	0.00	0.00	0.00	146.69
				30	292.62	4.37	0.00	292.62	521.70	0.00	0.00	0.00	146.74
				31	292.12	4.02	0.00	292.12	521.70	0.00	0.00	0.00	146.53
				32	292.21	3.73	0.00	292.21	521.70	0.00	0.00	0.00	146.58
				33	280.48	4.18	0.00	280.48	521.70	0.00	0.00	0.00	141.59
				34	272.64	4.36	0.00	272.64	521.70	0.00	0.00	0.00	138.26
				35	272.67	4.49	0.00	272.67	521.70	0.00	0.00	0.00	138.27
				36	272.57	4.42	0.00	272.57	521.70	0.00	0.00	0.00	138.23
				37	272.59	4.36	0.00	272.59	521.70	0.00	0.00	0.00	138.24
				38	272.61	4.39	0.00	272.61	521.70	0.00	0.00	0.00	138.25
24,32	0.800	2.790	0.800	1	151.81	-0.06	0.00	151.81	185.89	0.00	0.00	0.00	72.47
				2	151.67	-0.03	0.00	151.67	185.89	0.00	0.00	0.00	72.41
				3	151.62	-0.06	0.00	151.62	185.89	0.00	0.00	0.00	72.39
				4	151.67	-0.10	0.00	151.67	185.89	0.00	0.00	0.00	72.41
				5	139.66	-0.04	0.00	139.66	185.89	0.00	0.00	0.00	67.32
				6	139.43	0.02	0.00	139.43	185.89	0.00	0.00	0.00	67.22
				7	139.34	-0.04	0.00	139.34	185.89	0.00	0.00	0.00	67.18
				8	139.43	-0.10	0.00	139.43	185.89	0.00	0.00	0.00	67.22
				25	113.52	-0.04	0.00	113.52	185.89	0.00	0.00	0.00	56.24
				26	113.43	-0.02	0.00	113.43	185.89	0.00	0.00	0.00	56.20
				27	113.39	-0.04	0.00	113.39	185.89	0.00	0.00	0.00	56.18
				28	113.43	-0.06	0.00	113.43	185.89	0.00	0.00	0.00	56.20
				29	105.42	-0.03	0.00	105.42	185.89	0.00	0.00	0.00	52.80
				30	105.26	0.01	0.00	105.26	185.89	0.00	0.00	0.00	52.74
				31	105.20	-0.03	0.00	105.20	185.89	0.00	0.00	0.00	52.71
				32	105.26	-0.07	0.00	105.26	185.89	0.00	0.00	0.00	52.74
				33	100.43	-0.02	0.00	100.43	185.89	0.00	0.00	0.00	50.69
				34	97.19	-0.01	0.00	97.19	185.89	0.00	0.00	0.00	49.32
				35	97.16	-0.01	0.00	97.16	185.89	0.00	0.00	0.00	49.30
				36	97.15	-0.01	0.00	97.15	185.89	0.00	0.00	0.00	49.30
				37	97.16	-0.02	0.00	97.16	185.89	0.00	0.00	0.00	49.30
				38	97.17	-0.01	0.00	97.17	185.89	0.00	0.00	0.00	49.31
16,24	0.800	7.830	0.800	1	406.15	15.62	0.00	406.15	521.70	0.00	0.00	0.00	194.73
				2	405.92	15.61	0.00	405.92	521.70	0.00	0.00	0.00	194.63
				3	405.84	15.34	0.00	405.84	521.70	0.00	0.00	0.00	194.60
				4	406.29	15.03	0.00	406.29	521.70	0.00	0.00	0.00	194.79
				5	380.27	7.91	0.00	380.27	521.70	0.00	0.00	0.00	183.86
				6	379.89	7.88	0.00	379.89	521.70	0.00	0.00	0.00	183.70
				7	379.75	7.43	0.00	379.75	521.70	0.00	0.00	0.00	183.65
				8	380.50	6.92	0.00	380.50	521.70	0.00	0.00	0.00	183.97
				25	305.05	10.67	0.00	305.05	521.70	0.00	0.00	0.00	151.89
				26	304.90	10.66	0.00	304.90	521.70	0.00	0.00	0.00	151.83
				27	304.84	10.48	0.00	304.84	521.70	0.00	0.00	0.00	151.81
				28	305.15	10.28	0.00	305.15	521.70	0.00	0.00	0.00	151.94
				29	287.80	5.53	0.00	287.80	521.70	0.00	0.00	0.00	144.67
				30	287.55	5.51	0.00	287.55	521.70	0.00	0.00	0.00	144.56
				31	287.45	5.21	0.00	287.45	521.70	0.00	0.00	0.00	144.53
				32	287.95	4.87	0.00	287.95	521.70	0.00	0.00	0.00	144.75
				33	277.25	2.25	0.00	277.25	521.70	0.00	0.00	0.00	140.26
				34	270.35	0.20	0.00	270.35	521.70	0.00	0.00	0.00	137.38
				35	270.30	0.19	0.00	270.30	521.70	0.00	0.00	0.00	137.36
				36	270.28	0.13	0.00	270.28	521.70	0.00	0.00	0.00	137.35
				37	270.38	0.07	0.00	270.38	521.70	0.00	0.00	0.00	137.40
				38	270.32	0.17	0.00	270.32	521.70	0.00	0.00	0.00	137.37
8,16	0.800	1.340	0.800	1	69.11	-0.05	0.00	69.11	89.28	0.00	0.00	0.00	33.19
				2	68.74	-0.02	0.00	68.74	89.28	0.00	0.00	0.00	33.04
				3	69.09	-0.05	0.00	69.09	89.28	0.00	0.00	0.00	33.18

				4	69.42	-0.07	0.00	69.42	89.28	0.00	0.00	0.00	33.32
				5	65.27	-0.05	0.00	65.27	89.28	0.00	0.00	0.00	31.56
				6	64.66	0.00	0.00	64.66	89.28	0.00	0.00	0.00	31.31
				7	65.24	-0.05	0.00	65.24	89.28	0.00	0.00	0.00	31.55
				8	65.78	-0.09	0.00	65.78	89.28	0.00	0.00	0.00	31.78
				25	51.92	-0.03	0.00	51.92	89.28	0.00	0.00	0.00	25.91
				26	51.67	-0.01	0.00	51.67	89.28	0.00	0.00	0.00	25.80
				27	51.91	-0.03	0.00	51.91	89.28	0.00	0.00	0.00	25.90
				28	52.13	-0.05	0.00	52.13	89.28	0.00	0.00	0.00	25.99
				29	49.36	-0.03	0.00	49.36	89.28	0.00	0.00	0.00	24.82
				30	48.95	0.00	0.00	48.95	89.28	0.00	0.00	0.00	24.65
				31	49.34	-0.03	0.00	49.34	89.28	0.00	0.00	0.00	24.81
				32	49.70	-0.06	0.00	49.70	89.28	0.00	0.00	0.00	24.96
				33	47.82	-0.03	0.00	47.82	89.28	0.00	0.00	0.00	24.17
				34	46.80	-0.03	0.00	46.80	89.28	0.00	0.00	0.00	23.73
				35	46.71	-0.03	0.00	46.71	89.28	0.00	0.00	0.00	23.70
				36	46.79	-0.03	0.00	46.79	89.28	0.00	0.00	0.00	23.73
				37	46.86	-0.04	0.00	46.86	89.28	0.00	0.00	0.00	23.76
				38	46.80	-0.03	0.00	46.80	89.28	0.00	0.00	0.00	23.73
40,49	0.800	1.340	0.800	1	75.91	0.22	0.00	75.91	89.28	0.00	0.00	0.00	36.06
				2	76.29	0.25	0.00	76.29	89.28	0.00	0.00	0.00	36.22
				3	75.86	0.22	0.00	75.86	89.28	0.00	0.00	0.00	36.04
				4	75.42	0.17	0.00	75.42	89.28	0.00	0.00	0.00	35.86
				5	69.75	0.16	0.00	69.75	89.28	0.00	0.00	0.00	33.45
				6	70.38	0.22	0.00	70.38	89.28	0.00	0.00	0.00	33.72
				7	69.66	0.16	0.00	69.66	89.28	0.00	0.00	0.00	33.42
				8	68.93	0.09	0.00	68.93	89.28	0.00	0.00	0.00	33.11
				25	56.53	0.15	0.00	56.53	89.28	0.00	0.00	0.00	27.85
				26	56.78	0.17	0.00	56.78	89.28	0.00	0.00	0.00	27.95
				27	56.49	0.15	0.00	56.49	89.28	0.00	0.00	0.00	27.83
				28	56.20	0.12	0.00	56.20	89.28	0.00	0.00	0.00	27.71
				29	52.42	0.11	0.00	52.42	89.28	0.00	0.00	0.00	26.11
				30	52.84	0.15	0.00	52.84	89.28	0.00	0.00	0.00	26.28
				31	52.36	0.11	0.00	52.36	89.28	0.00	0.00	0.00	26.08
				32	51.88	0.06	0.00	51.88	89.28	0.00	0.00	0.00	25.88
				33	49.91	0.09	0.00	49.91	89.28	0.00	0.00	0.00	25.05
				34	48.27	0.07	0.00	48.27	89.28	0.00	0.00	0.00	24.35
				35	48.35	0.08	0.00	48.35	89.28	0.00	0.00	0.00	24.39
				36	48.26	0.07	0.00	48.26	89.28	0.00	0.00	0.00	24.35
				37	48.16	0.06	0.00	48.16	89.28	0.00	0.00	0.00	24.31
				38	48.26	0.07	0.00	48.26	89.28	0.00	0.00	0.00	24.35
31,40	0.800	7.830	0.800	1	421.37	5.30	0.00	421.37	521.70	0.00	0.00	0.00	201.33
				2	420.78	6.28	0.00	420.78	521.70	0.00	0.00	0.00	201.07
				3	421.16	5.25	0.00	421.16	521.70	0.00	0.00	0.00	201.24
				4	421.83	4.80	0.00	421.83	521.70	0.00	0.00	0.00	201.53
				5	390.36	5.71	0.00	390.36	521.70	0.00	0.00	0.00	188.17
				6	389.37	7.34	0.00	389.37	521.70	0.00	0.00	0.00	187.73
				7	390.00	5.62	0.00	390.00	521.70	0.00	0.00	0.00	188.02
				8	391.12	4.87	0.00	391.12	521.70	0.00	0.00	0.00	188.51
				25	315.41	3.43	0.00	315.41	521.70	0.00	0.00	0.00	156.42
				26	315.01	4.08	0.00	315.01	521.70	0.00	0.00	0.00	156.24
				27	315.27	3.39	0.00	315.27	521.70	0.00	0.00	0.00	156.36
				28	315.71	3.10	0.00	315.71	521.70	0.00	0.00	0.00	156.56
				29	294.73	3.70	0.00	294.73	521.70	0.00	0.00	0.00	147.65
				30	294.07	4.79	0.00	294.07	521.70	0.00	0.00	0.00	147.35
				31	294.50	3.64	0.00	294.50	521.70	0.00	0.00	0.00	147.55
				32	295.24	3.14	0.00	295.24	521.70	0.00	0.00	0.00	147.87
				33	282.12	3.87	0.00	282.12	521.70	0.00	0.00	0.00	142.29
				34	273.85	3.98	0.00	273.85	521.70	0.00	0.00	0.00	138.78
				35	273.72	4.20	0.00	273.72	521.70	0.00	0.00	0.00	138.72
				36	273.81	3.97	0.00	273.81	521.70	0.00	0.00	0.00	138.77
				37	273.96	3.87	0.00	273.96	521.70	0.00	0.00	0.00	138.83
				38	273.82	3.98	0.00	273.82	521.70	0.00	0.00	0.00	138.77
23,31	0.800	2.790	0.800	1	153.34	-0.12	0.00	153.34	185.89	0.00	0.00	0.00	73.11

				2	153.20	-0.17	0.00	153.20	185.89	0.00	0.00	0.00	73.05
				3	153.27	-0.12	0.00	153.27	185.89	0.00	0.00	0.00	73.09
				4	153.20	-0.06	0.00	153.20	185.89	0.00	0.00	0.00	73.06
				5	140.75	-0.08	0.00	140.75	185.89	0.00	0.00	0.00	67.78
				6	140.52	-0.17	0.00	140.52	185.89	0.00	0.00	0.00	67.68
				7	140.63	-0.08	0.00	140.63	185.89	0.00	0.00	0.00	67.73
				8	140.52	0.01	0.00	140.52	185.89	0.00	0.00	0.00	67.68
				25	114.59	-0.08	0.00	114.59	185.89	0.00	0.00	0.00	56.69
				26	114.50	-0.12	0.00	114.50	185.89	0.00	0.00	0.00	56.65
				27	114.55	-0.08	0.00	114.55	185.89	0.00	0.00	0.00	56.67
				28	114.50	-0.04	0.00	114.50	185.89	0.00	0.00	0.00	56.65
				29	106.20	-0.05	0.00	106.20	185.89	0.00	0.00	0.00	53.13
				30	106.05	-0.11	0.00	106.05	185.89	0.00	0.00	0.00	53.07
				31	106.12	-0.05	0.00	106.12	185.89	0.00	0.00	0.00	53.10
				32	106.05	0.01	0.00	106.05	185.89	0.00	0.00	0.00	53.07
				33	101.08	-0.04	0.00	101.08	185.89	0.00	0.00	0.00	50.96
				34	97.72	-0.03	0.00	97.72	185.89	0.00	0.00	0.00	49.54
				35	97.69	-0.04	0.00	97.69	185.89	0.00	0.00	0.00	49.53
				36	97.71	-0.03	0.00	97.71	185.89	0.00	0.00	0.00	49.53
				37	97.69	-0.02	0.00	97.69	185.89	0.00	0.00	0.00	49.53
				38	97.71	-0.03	0.00	97.71	185.89	0.00	0.00	0.00	49.54
15,23	0.800	7.830	0.800	1	411.40	16.15	0.00	411.40	521.70	0.00	0.00	0.00	196.95
				2	411.85	16.65	0.00	411.85	521.70	0.00	0.00	0.00	197.13
				3	411.19	16.20	0.00	411.19	521.70	0.00	0.00	0.00	196.86
				4	410.81	15.17	0.00	410.81	521.70	0.00	0.00	0.00	196.71
				5	383.81	8.40	0.00	383.81	521.70	0.00	0.00	0.00	185.36
				6	384.57	9.23	0.00	384.57	521.70	0.00	0.00	0.00	185.66
				7	383.46	8.49	0.00	383.46	521.70	0.00	0.00	0.00	185.20
				8	382.82	6.77	0.00	382.82	521.70	0.00	0.00	0.00	184.96
				25	308.66	11.10	0.00	308.66	521.70	0.00	0.00	0.00	153.41
				26	308.96	11.44	0.00	308.96	521.70	0.00	0.00	0.00	153.54
				27	308.52	11.14	0.00	308.52	521.70	0.00	0.00	0.00	153.35
				28	308.26	10.45	0.00	308.26	521.70	0.00	0.00	0.00	153.26
				29	290.27	5.94	0.00	290.27	521.70	0.00	0.00	0.00	145.71
				30	290.77	6.50	0.00	290.77	521.70	0.00	0.00	0.00	145.91
				31	290.03	6.00	0.00	290.03	521.70	0.00	0.00	0.00	145.61
				32	289.61	4.85	0.00	289.61	521.70	0.00	0.00	0.00	145.45
				33	279.02	2.83	0.00	279.02	521.70	0.00	0.00	0.00	141.00
				34	271.68	0.77	0.00	271.68	521.70	0.00	0.00	0.00	137.93
				35	271.78	0.88	0.00	271.78	521.70	0.00	0.00	0.00	137.97
				36	271.63	0.78	0.00	271.63	521.70	0.00	0.00	0.00	137.91
				37	271.54	0.55	0.00	271.54	521.70	0.00	0.00	0.00	137.88
				38	271.64	0.77	0.00	271.64	521.70	0.00	0.00	0.00	137.92
7,15	0.800	1.340	0.800	1	70.04	-0.06	0.00	70.04	89.28	0.00	0.00	0.00	33.58
				2	69.55	-0.01	0.00	69.55	89.28	0.00	0.00	0.00	33.38
				3	69.99	-0.06	0.00	69.99	89.28	0.00	0.00	0.00	33.56
				4	70.42	-0.09	0.00	70.42	89.28	0.00	0.00	0.00	33.74
				5	65.89	-0.06	0.00	65.89	89.28	0.00	0.00	0.00	31.82
				6	65.07	0.02	0.00	65.07	89.28	0.00	0.00	0.00	31.48
				7	65.80	-0.06	0.00	65.80	89.28	0.00	0.00	0.00	31.79
				8	66.52	-0.11	0.00	66.52	89.28	0.00	0.00	0.00	32.09
				25	52.55	-0.04	0.00	52.55	89.28	0.00	0.00	0.00	26.17
				26	52.22	-0.01	0.00	52.22	89.28	0.00	0.00	0.00	26.04
				27	52.51	-0.04	0.00	52.51	89.28	0.00	0.00	0.00	26.16
				28	52.80	-0.06	0.00	52.80	89.28	0.00	0.00	0.00	26.28
				29	49.78	-0.04	0.00	49.78	89.28	0.00	0.00	0.00	25.00
				30	49.24	0.01	0.00	49.24	89.28	0.00	0.00	0.00	24.77
				31	49.72	-0.04	0.00	49.72	89.28	0.00	0.00	0.00	24.97
				32	50.20	-0.08	0.00	50.20	89.28	0.00	0.00	0.00	25.17
				33	48.08	-0.04	0.00	48.08	89.28	0.00	0.00	0.00	24.27
				34	46.97	-0.04	0.00	46.97	89.28	0.00	0.00	0.00	23.81
				35	46.86	-0.03	0.00	46.86	89.28	0.00	0.00	0.00	23.76
				36	46.96	-0.04	0.00	46.96	89.28	0.00	0.00	0.00	23.80
				37	47.06	-0.04	0.00	47.06	89.28	0.00	0.00	0.00	23.84

				38	46.96	-0.04	0.00	46.96	89.28	0.00	0.00	0.00	23.80
39,48	0.800	1.340	0.800	1	75.60	0.41	0.00	75.60	89.28	0.00	0.00	0.00	35.91
				2	75.90	0.45	0.00	75.90	89.28	0.00	0.00	0.00	36.04
				3	75.44	0.41	0.00	75.44	89.28	0.00	0.00	0.00	35.84
				4	75.02	0.36	0.00	75.02	89.28	0.00	0.00	0.00	35.67
				5	69.66	0.29	0.00	69.66	89.28	0.00	0.00	0.00	33.40
				6	70.15	0.35	0.00	70.15	89.28	0.00	0.00	0.00	33.61
				7	69.39	0.29	0.00	69.39	89.28	0.00	0.00	0.00	33.29
				8	68.69	0.21	0.00	68.69	89.28	0.00	0.00	0.00	33.00
				25	56.32	0.28	0.00	56.32	89.28	0.00	0.00	0.00	27.74
				26	56.52	0.30	0.00	56.52	89.28	0.00	0.00	0.00	27.83
				27	56.21	0.28	0.00	56.21	89.28	0.00	0.00	0.00	27.70
				28	55.93	0.25	0.00	55.93	89.28	0.00	0.00	0.00	27.58
				29	52.36	0.20	0.00	52.36	89.28	0.00	0.00	0.00	26.07
				30	52.69	0.24	0.00	52.69	89.28	0.00	0.00	0.00	26.21
				31	52.18	0.20	0.00	52.18	89.28	0.00	0.00	0.00	26.00
				32	51.72	0.14	0.00	51.72	89.28	0.00	0.00	0.00	25.81
				33	49.82	0.15	0.00	49.82	89.28	0.00	0.00	0.00	25.00
				34	48.25	0.12	0.00	48.25	89.28	0.00	0.00	0.00	24.34
				35	48.31	0.12	0.00	48.31	89.28	0.00	0.00	0.00	24.36
				36	48.21	0.11	0.00	48.21	89.28	0.00	0.00	0.00	24.32
				37	48.12	0.10	0.00	48.12	89.28	0.00	0.00	0.00	24.28
				38	48.22	0.11	0.00	48.22	89.28	0.00	0.00	0.00	24.33
14,39	0.800	18.450	0.800	1	844.89	83.40	0.00	844.89	1229.30	0.00	0.00	0.00	411.26
				2	845.23	75.09	0.00	845.23	1229.30	0.00	0.00	0.00	411.46
				3	844.11	83.40	0.00	844.11	1229.30	0.00	0.00	0.00	410.93
				4	845.23	91.73	0.00	845.23	1229.30	0.00	0.00	0.00	411.35
				5	821.81	54.84	0.00	821.81	1229.30	0.00	0.00	0.00	401.66
				6	822.37	40.99	0.00	822.37	1229.30	0.00	0.00	0.00	402.00
				7	820.51	54.85	0.00	820.51	1229.30	0.00	0.00	0.00	401.11
				8	822.38	68.72	0.00	822.38	1229.30	0.00	0.00	0.00	401.81
				25	642.77	56.52	0.00	642.77	1229.30	0.00	0.00	0.00	325.64
				26	642.99	50.98	0.00	642.99	1229.30	0.00	0.00	0.00	325.79
				27	642.25	56.52	0.00	642.25	1229.30	0.00	0.00	0.00	325.42
				28	642.99	62.07	0.00	642.99	1229.30	0.00	0.00	0.00	325.69
				29	627.38	37.48	0.00	627.38	1229.30	0.00	0.00	0.00	319.28
				30	627.75	28.25	0.00	627.75	1229.30	0.00	0.00	0.00	319.52
				31	626.51	37.49	0.00	626.51	1229.30	0.00	0.00	0.00	318.91
				32	627.76	46.74	0.00	627.76	1229.30	0.00	0.00	0.00	319.36
				33	617.40	26.07	0.00	617.40	1229.30	0.00	0.00	0.00	315.15
				34	611.27	18.45	0.00	611.27	1229.30	0.00	0.00	0.00	312.62
				35	611.34	16.61	0.00	611.34	1229.30	0.00	0.00	0.00	312.67
				36	611.10	18.45	0.00	611.10	1229.30	0.00	0.00	0.00	312.55
				37	611.35	20.30	0.00	611.35	1229.30	0.00	0.00	0.00	312.64
				38	611.15	18.46	0.00	611.15	1229.30	0.00	0.00	0.00	312.57
6,14	0.800	1.340	0.800	1	70.17	-0.29	0.00	70.17	89.28	0.00	0.00	0.00	33.62
				2	69.59	-0.23	0.00	69.59	89.28	0.00	0.00	0.00	33.38
				3	70.01	-0.28	0.00	70.01	89.28	0.00	0.00	0.00	33.55
				4	70.47	-0.32	0.00	70.47	89.28	0.00	0.00	0.00	33.75
				5	66.09	-0.21	0.00	66.09	89.28	0.00	0.00	0.00	31.90
				6	65.12	-0.12	0.00	65.12	89.28	0.00	0.00	0.00	31.49
				7	65.81	-0.20	0.00	65.81	89.28	0.00	0.00	0.00	31.78
				8	66.58	-0.27	0.00	66.58	89.28	0.00	0.00	0.00	32.10
				25	52.64	-0.19	0.00	52.64	89.28	0.00	0.00	0.00	26.19
				26	52.26	-0.16	0.00	52.26	89.28	0.00	0.00	0.00	26.03
				27	52.53	-0.19	0.00	52.53	89.28	0.00	0.00	0.00	26.15
				28	52.84	-0.22	0.00	52.84	89.28	0.00	0.00	0.00	26.27
				29	49.92	-0.14	0.00	49.92	89.28	0.00	0.00	0.00	25.04
				30	49.28	-0.08	0.00	49.28	89.28	0.00	0.00	0.00	24.78
				31	49.74	-0.14	0.00	49.74	89.28	0.00	0.00	0.00	24.97
				32	50.25	-0.18	0.00	50.25	89.28	0.00	0.00	0.00	25.18
				33	48.13	-0.11	0.00	48.13	89.28	0.00	0.00	0.00	24.29
				34	47.04	-0.09	0.00	47.04	89.28	0.00	0.00	0.00	23.83
				35	46.91	-0.08	0.00	46.91	89.28	0.00	0.00	0.00	23.78

				36	47.01	-0.09	0.00	47.01	89.28	0.00	0.00	0.00	23.81
				37	47.11	-0.09	0.00	47.11	89.28	0.00	0.00	0.00	23.86
				38	47.02	-0.09	0.00	47.02	89.28	0.00	0.00	0.00	23.82
4,47	0.800	1.340	0.800	1	70.94	0.12	0.00	70.94	89.28	0.00	0.00	0.00	33.96
				2	71.56	0.15	0.00	71.56	89.28	0.00	0.00	0.00	34.22
				3	71.38	0.12	0.00	71.38	89.28	0.00	0.00	0.00	34.15
				4	70.82	0.09	0.00	70.82	89.28	0.00	0.00	0.00	33.91
				5	66.69	0.09	0.00	66.69	89.28	0.00	0.00	0.00	32.16
				6	67.72	0.14	0.00	67.72	89.28	0.00	0.00	0.00	32.59
				7	67.42	0.09	0.00	67.42	89.28	0.00	0.00	0.00	32.47
				8	66.49	0.04	0.00	66.49	89.28	0.00	0.00	0.00	32.08
				25	53.19	0.08	0.00	53.19	89.28	0.00	0.00	0.00	26.44
				26	53.61	0.10	0.00	53.61	89.28	0.00	0.00	0.00	26.61
				27	53.49	0.08	0.00	53.49	89.28	0.00	0.00	0.00	26.56
				28	53.11	0.06	0.00	53.11	89.28	0.00	0.00	0.00	26.41
				29	50.36	0.06	0.00	50.36	89.28	0.00	0.00	0.00	25.24
				30	51.05	0.09	0.00	51.05	89.28	0.00	0.00	0.00	25.53
				31	50.85	0.06	0.00	50.85	89.28	0.00	0.00	0.00	25.45
				32	50.23	0.03	0.00	50.23	89.28	0.00	0.00	0.00	25.19
				33	49.03	0.05	0.00	49.03	89.28	0.00	0.00	0.00	24.68
				34	47.89	0.04	0.00	47.89	89.28	0.00	0.00	0.00	24.19
				35	48.02	0.05	0.00	48.02	89.28	0.00	0.00	0.00	24.25
				36	47.98	0.04	0.00	47.98	89.28	0.00	0.00	0.00	24.23
				37	47.86	0.04	0.00	47.86	89.28	0.00	0.00	0.00	24.18
				38	47.95	0.04	0.00	47.95	89.28	0.00	0.00	0.00	24.22
3,4	0.800	7.830	0.800	1	410.72	-13.34	0.00	410.72	521.70	0.00	0.00	0.00	196.70
				2	412.22	-12.89	0.00	412.22	521.70	0.00	0.00	0.00	197.34
				3	413.64	-14.15	0.00	413.64	521.70	0.00	0.00	0.00	197.93
				4	412.85	-14.50	0.00	412.85	521.70	0.00	0.00	0.00	197.59
				5	385.73	-8.09	0.00	385.73	521.70	0.00	0.00	0.00	186.17
				6	388.23	-7.34	0.00	388.23	521.70	0.00	0.00	0.00	187.25
				7	390.61	-9.43	0.00	390.61	521.70	0.00	0.00	0.00	188.22
				8	389.30	-10.01	0.00	389.30	521.70	0.00	0.00	0.00	187.66
				25	308.38	-9.22	0.00	308.38	521.70	0.00	0.00	0.00	153.33
				26	309.38	-8.91	0.00	309.38	521.70	0.00	0.00	0.00	153.76
				27	310.33	-9.75	0.00	310.33	521.70	0.00	0.00	0.00	154.15
				28	309.80	-9.98	0.00	309.80	521.70	0.00	0.00	0.00	153.92
				29	291.72	-5.71	0.00	291.72	521.70	0.00	0.00	0.00	146.33
				30	293.39	-5.21	0.00	293.39	521.70	0.00	0.00	0.00	147.05
				31	294.97	-6.60	0.00	294.97	521.70	0.00	0.00	0.00	147.69
				32	294.10	-6.99	0.00	294.10	521.70	0.00	0.00	0.00	147.31
				33	284.25	-4.34	0.00	284.25	521.70	0.00	0.00	0.00	143.19
				34	277.51	-2.92	0.00	277.51	521.70	0.00	0.00	0.00	140.36
				35	277.84	-2.82	0.00	277.84	521.70	0.00	0.00	0.00	140.50
				36	278.16	-3.09	0.00	278.16	521.70	0.00	0.00	0.00	140.63
				37	277.98	-3.17	0.00	277.98	521.70	0.00	0.00	0.00	140.55
				38	277.92	-3.03	0.00	277.92	521.70	0.00	0.00	0.00	140.53
2,3	0.800	2.790	0.800	1	153.55	-0.08	0.00	153.55	185.89	0.00	0.00	0.00	73.20
				2	154.31	-0.13	0.00	154.31	185.89	0.00	0.00	0.00	73.53
				3	154.89	-0.08	0.00	154.89	185.89	0.00	0.00	0.00	73.77
				4	154.31	-0.03	0.00	154.31	185.89	0.00	0.00	0.00	73.53
				5	142.19	-0.05	0.00	142.19	185.89	0.00	0.00	0.00	68.39
				6	143.46	-0.13	0.00	143.46	185.89	0.00	0.00	0.00	68.93
				7	144.42	-0.05	0.00	144.42	185.89	0.00	0.00	0.00	69.34
				8	143.46	0.03	0.00	143.46	185.89	0.00	0.00	0.00	68.93
				25	114.81	-0.05	0.00	114.81	185.89	0.00	0.00	0.00	56.78
				26	115.32	-0.09	0.00	115.32	185.89	0.00	0.00	0.00	57.00
				27	115.71	-0.05	0.00	115.71	185.89	0.00	0.00	0.00	57.16
				28	115.32	-0.02	0.00	115.32	185.89	0.00	0.00	0.00	57.00
				29	107.24	-0.04	0.00	107.24	185.89	0.00	0.00	0.00	53.57
				30	108.09	-0.09	0.00	108.09	185.89	0.00	0.00	0.00	53.93
				31	108.73	-0.04	0.00	108.73	185.89	0.00	0.00	0.00	54.21
				32	108.09	0.02	0.00	108.09	185.89	0.00	0.00	0.00	53.94
				33	103.86	-0.03	0.00	103.86	185.89	0.00	0.00	0.00	52.14

				34	100.79	-0.02	0.00	100.79	185.89	0.00	0.00	0.00	50.84
				35	100.96	-0.03	0.00	100.96	185.89	0.00	0.00	0.00	50.91
				36	101.09	-0.02	0.00	101.09	185.89	0.00	0.00	0.00	50.97
				37	100.96	-0.01	0.00	100.96	185.89	0.00	0.00	0.00	50.91
				38	100.98	-0.02	0.00	100.98	185.89	0.00	0.00	0.00	50.92
1,2	0.800	7.830	0.800	1	404.23	27.53	0.00	404.23	521.70	0.00	0.00	0.00	193.74
				2	406.37	28.69	0.00	406.37	521.70	0.00	0.00	0.00	194.64
				3	407.16	28.34	0.00	407.16	521.70	0.00	0.00	0.00	194.97
				4	405.73	27.08	0.00	405.73	521.70	0.00	0.00	0.00	194.38
				5	381.41	17.53	0.00	381.41	521.70	0.00	0.00	0.00	184.20
				6	384.98	19.46	0.00	384.98	521.70	0.00	0.00	0.00	185.68
				7	386.29	18.89	0.00	386.29	521.70	0.00	0.00	0.00	186.25
				8	383.91	16.79	0.00	383.91	521.70	0.00	0.00	0.00	185.27
				25	303.97	18.86	0.00	303.97	521.70	0.00	0.00	0.00	151.28
				26	305.40	19.63	0.00	305.40	521.70	0.00	0.00	0.00	151.87
				27	305.92	19.40	0.00	305.92	521.70	0.00	0.00	0.00	152.09
				28	304.97	18.56	0.00	304.97	521.70	0.00	0.00	0.00	151.70
				29	288.76	12.20	0.00	288.76	521.70	0.00	0.00	0.00	144.94
				30	291.14	13.48	0.00	291.14	521.70	0.00	0.00	0.00	145.93
				31	292.01	13.10	0.00	292.01	521.70	0.00	0.00	0.00	146.30
				32	290.42	11.70	0.00	290.42	521.70	0.00	0.00	0.00	145.66
				33	282.15	8.94	0.00	282.15	521.70	0.00	0.00	0.00	142.20
				34	275.99	6.25	0.00	275.99	521.70	0.00	0.00	0.00	139.64
				35	276.46	6.50	0.00	276.46	521.70	0.00	0.00	0.00	139.84
				36	276.64	6.43	0.00	276.64	521.70	0.00	0.00	0.00	139.91
				37	276.32	6.15	0.00	276.32	521.70	0.00	0.00	0.00	139.79
				38	276.40	6.36	0.00	276.40	521.70	0.00	0.00	0.00	139.81
5,1	0.800	1.340	0.800	1	67.01	-0.01	0.00	67.01	89.28	0.00	0.00	0.00	32.30
				2	66.89	0.02	0.00	66.89	89.28	0.00	0.00	0.00	32.25
				3	67.44	-0.01	0.00	67.44	89.28	0.00	0.00	0.00	32.49
				4	67.62	-0.04	0.00	67.62	89.28	0.00	0.00	0.00	32.56
				5	64.07	-0.02	0.00	64.07	89.28	0.00	0.00	0.00	31.06
				6	63.87	0.04	0.00	63.87	89.28	0.00	0.00	0.00	30.97
				7	64.80	-0.02	0.00	64.80	89.28	0.00	0.00	0.00	31.36
				8	65.10	-0.06	0.00	65.10	89.28	0.00	0.00	0.00	31.49
				25	50.52	-0.01	0.00	50.52	89.28	0.00	0.00	0.00	25.31
				26	50.44	0.02	0.00	50.44	89.28	0.00	0.00	0.00	25.28
				27	50.81	-0.01	0.00	50.81	89.28	0.00	0.00	0.00	25.44
				28	50.93	-0.02	0.00	50.93	89.28	0.00	0.00	0.00	25.49
				29	48.57	-0.01	0.00	48.57	89.28	0.00	0.00	0.00	24.48
				30	48.43	0.03	0.00	48.43	89.28	0.00	0.00	0.00	24.43
				31	49.05	-0.01	0.00	49.05	89.28	0.00	0.00	0.00	24.69
				32	49.25	-0.04	0.00	49.25	89.28	0.00	0.00	0.00	24.77
				33	47.76	-0.01	0.00	47.76	89.28	0.00	0.00	0.00	24.14
				34	46.96	-0.02	0.00	46.96	89.28	0.00	0.00	0.00	23.81
				35	46.94	-0.01	0.00	46.94	89.28	0.00	0.00	0.00	23.79
				36	47.06	-0.02	0.00	47.06	89.28	0.00	0.00	0.00	23.85
				37	47.10	-0.02	0.00	47.10	89.28	0.00	0.00	0.00	23.86
				38	47.02	-0.02	0.00	47.02	89.28	0.00	0.00	0.00	23.83
45,46	0.800	1.340	0.800	1	73.62	-0.05	-0.00	73.62	89.28	0.00	0.00	0.00	35.10
				2	73.61	-0.04	-0.00	73.61	89.28	0.00	0.00	0.00	35.10
				3	73.11	-0.02	-0.00	73.11	89.28	0.00	0.00	0.00	34.89
				4	73.29	-0.04	-0.00	73.29	89.28	0.00	0.00	0.00	34.96
				5	68.77	-0.06	-0.00	68.77	89.28	0.00	0.00	0.00	33.04
				6	68.74	-0.04	-0.00	68.74	89.28	0.00	0.00	0.00	33.03
				7	67.91	-0.00	-0.00	67.91	89.28	0.00	0.00	0.00	32.69
				8	68.20	-0.04	-0.00	68.20	89.28	0.00	0.00	0.00	32.81
				25	55.04	-0.04	-0.00	55.04	89.28	0.00	0.00	0.00	27.23
				26	55.03	-0.03	-0.00	55.03	89.28	0.00	0.00	0.00	27.22
				27	54.70	-0.01	-0.00	54.70	89.28	0.00	0.00	0.00	27.08
				28	54.82	-0.03	-0.00	54.82	89.28	0.00	0.00	0.00	27.13
				29	51.80	-0.04	-0.00	51.80	89.28	0.00	0.00	0.00	25.85
				30	51.78	-0.03	-0.00	51.78	89.28	0.00	0.00	0.00	25.85
				31	51.23	-0.00	-0.00	51.23	89.28	0.00	0.00	0.00	25.62

				32	51.43	-0.03	-0.00	51.43	89.28	0.00	0.00	0.00	25.70
				33	49.63	-0.03	-0.00	49.63	89.28	0.00	0.00	0.00	24.94
				34	48.35	-0.03	-0.00	48.35	89.28	0.00	0.00	0.00	24.39
				35	48.34	-0.03	-0.00	48.34	89.28	0.00	0.00	0.00	24.39
				36	48.23	-0.03	-0.00	48.23	89.28	0.00	0.00	0.00	24.34
				37	48.27	-0.03	-0.00	48.27	89.28	0.00	0.00	0.00	24.36
				38	48.31	-0.03	-0.00	48.31	89.28	0.00	0.00	0.00	24.37
44,45	0.800	6.010	0.800	1	326.54	-0.48	-0.00	326.54	400.44	0.00	0.00	0.00	155.90
				2	327.15	-0.14	-0.00	327.15	400.44	0.00	0.00	0.00	156.17
				3	326.46	0.46	0.00	326.46	400.44	0.00	0.00	0.00	155.87
				4	325.71	-0.20	-0.00	325.71	400.44	0.00	0.00	0.00	155.56
				5	303.97	-1.44	-0.00	303.97	400.44	0.00	0.00	0.00	146.31
				6	304.99	-0.89	-0.00	304.99	400.44	0.00	0.00	0.00	146.76
				7	303.84	0.12	0.00	303.84	400.44	0.00	0.00	0.00	146.28
				8	302.60	-0.97	-0.00	302.60	400.44	0.00	0.00	0.00	145.74
				25	244.25	-0.43	-0.00	244.25	400.44	0.00	0.00	0.00	121.01
				26	244.66	-0.21	-0.00	244.66	400.44	0.00	0.00	0.00	121.19
				27	244.20	0.20	0.00	244.20	400.44	0.00	0.00	0.00	121.00
				28	243.70	-0.24	-0.00	243.70	400.44	0.00	0.00	0.00	120.79
				29	229.20	-1.07	-0.00	229.20	400.44	0.00	0.00	0.00	114.62
				30	229.89	-0.70	-0.00	229.89	400.44	0.00	0.00	0.00	114.92
				31	229.11	-0.03	-0.00	229.11	400.44	0.00	0.00	0.00	114.61
				32	228.29	-0.76	-0.00	228.29	400.44	0.00	0.00	0.00	114.24
				33	220.07	-1.07	-0.00	220.07	400.44	0.00	0.00	0.00	110.75
				34	214.05	-1.34	-0.00	214.05	400.44	0.00	0.00	0.00	108.19
				35	214.19	-1.26	-0.00	214.19	400.44	0.00	0.00	0.00	108.25
				36	214.03	-1.13	-0.00	214.03	400.44	0.00	0.00	0.00	108.19
				37	213.87	-1.28	-0.00	213.87	400.44	0.00	0.00	0.00	108.11
				38	214.04	-1.28	-0.00	214.04	400.44	0.00	0.00	0.00	108.18
43,44	0.800	6.010	0.800	1	327.21	0.68	0.00	327.21	400.44	0.00	0.00	0.00	156.18
				2	328.10	0.67	0.00	328.10	400.44	0.00	0.00	0.00	156.56
				3	327.55	0.44	0.00	327.55	400.44	0.00	0.00	0.00	156.33
				4	326.50	0.57	0.00	326.50	400.44	0.00	0.00	0.00	155.88
				5	303.45	0.47	0.00	303.45	400.44	0.00	0.00	0.00	146.11
				6	304.94	0.44	0.00	304.94	400.44	0.00	0.00	0.00	146.74
				7	304.02	0.06	0.00	304.02	400.44	0.00	0.00	0.00	146.36
				8	302.26	0.28	0.00	302.26	400.44	0.00	0.00	0.00	145.61
				25	244.58	0.44	0.00	244.58	400.44	0.00	0.00	0.00	121.15
				26	245.17	0.43	0.00	245.17	400.44	0.00	0.00	0.00	121.41
				27	244.81	0.28	0.00	244.81	400.44	0.00	0.00	0.00	121.25
				28	244.10	0.37	0.00	244.10	400.44	0.00	0.00	0.00	120.95
				29	228.74	0.30	0.00	228.74	400.44	0.00	0.00	0.00	114.44
				30	229.73	0.28	0.00	229.73	400.44	0.00	0.00	0.00	114.86
				31	229.12	0.03	0.00	229.12	400.44	0.00	0.00	0.00	114.61
				32	227.95	0.17	0.00	227.95	400.44	0.00	0.00	0.00	114.11
				33	219.36	0.12	0.00	219.36	400.44	0.00	0.00	0.00	110.47
				34	213.02	0.07	0.00	213.02	400.44	0.00	0.00	0.00	107.79
				35	213.22	0.07	0.00	213.22	400.44	0.00	0.00	0.00	107.87
				36	213.10	0.01	0.00	213.10	400.44	0.00	0.00	0.00	107.82
				37	212.87	0.04	0.00	212.87	400.44	0.00	0.00	0.00	107.72
				38	213.04	0.05	0.00	213.04	400.44	0.00	0.00	0.00	107.79
42,43	0.800	6.010	0.800	1	327.90	0.29	0.00	327.90	400.44	0.00	0.00	0.00	156.48
				2	328.78	0.27	0.00	328.78	400.44	0.00	0.00	0.00	156.85
				3	327.94	0.17	0.00	327.94	400.44	0.00	0.00	0.00	156.50
				4	327.04	0.22	0.00	327.04	400.44	0.00	0.00	0.00	156.12
				5	304.05	0.29	0.00	304.05	400.44	0.00	0.00	0.00	146.37
				6	305.52	0.26	0.00	305.52	400.44	0.00	0.00	0.00	146.99
				7	304.12	0.09	0.00	304.12	400.44	0.00	0.00	0.00	146.40
				8	302.62	0.18	0.00	302.62	400.44	0.00	0.00	0.00	145.76
				25	245.03	0.20	0.00	245.03	400.44	0.00	0.00	0.00	121.35
				26	245.62	0.19	0.00	245.62	400.44	0.00	0.00	0.00	121.60
				27	245.06	0.12	0.00	245.06	400.44	0.00	0.00	0.00	121.37
				28	244.46	0.16	0.00	244.46	400.44	0.00	0.00	0.00	121.11
				29	229.13	0.20	0.00	229.13	400.44	0.00	0.00	0.00	114.61

				30	230.12	0.18	0.00	230.12	400.44	0.00	0.00	0.00	115.03
				31	229.18	0.07	0.00	229.18	400.44	0.00	0.00	0.00	114.64
				32	228.18	0.12	0.00	228.18	400.44	0.00	0.00	0.00	114.21
				33	219.62	0.14	0.00	219.62	400.44	0.00	0.00	0.00	110.58
				34	213.26	0.14	0.00	213.26	400.44	0.00	0.00	0.00	107.88
				35	213.46	0.14	0.00	213.46	400.44	0.00	0.00	0.00	107.97
				36	213.27	0.12	0.00	213.27	400.44	0.00	0.00	0.00	107.89
				37	213.07	0.13	0.00	213.07	400.44	0.00	0.00	0.00	107.80
				38	213.26	0.13	0.00	213.26	400.44	0.00	0.00	0.00	107.89
41,42	0.800	6.010	0.800	1	329.16	1.39	0.00	329.16	400.44	0.00	0.00	0.00	157.00
				2	330.08	1.39	0.00	330.08	400.44	0.00	0.00	0.00	157.39
				3	329.12	1.29	0.00	329.12	400.44	0.00	0.00	0.00	156.98
				4	328.21	1.29	0.00	328.21	400.44	0.00	0.00	0.00	156.59
				5	304.97	0.96	0.00	304.97	400.44	0.00	0.00	0.00	146.75
				6	306.51	0.97	0.00	306.51	400.44	0.00	0.00	0.00	147.40
				7	304.91	0.81	0.00	304.91	400.44	0.00	0.00	0.00	146.72
				8	303.38	0.80	0.00	303.38	400.44	0.00	0.00	0.00	146.08
				25	245.89	0.94	0.00	245.89	400.44	0.00	0.00	0.00	121.70
				26	246.51	0.94	0.00	246.51	400.44	0.00	0.00	0.00	121.96
				27	245.87	0.88	0.00	245.87	400.44	0.00	0.00	0.00	121.69
				28	245.26	0.88	0.00	245.26	400.44	0.00	0.00	0.00	121.43
				29	229.77	0.66	0.00	229.77	400.44	0.00	0.00	0.00	114.87
				30	230.79	0.66	0.00	230.79	400.44	0.00	0.00	0.00	115.30
				31	229.72	0.55	0.00	229.72	400.44	0.00	0.00	0.00	114.85
				32	228.71	0.55	0.00	228.71	400.44	0.00	0.00	0.00	114.42
				33	220.08	0.42	0.00	220.08	400.44	0.00	0.00	0.00	110.77
				34	213.63	0.31	0.00	213.63	400.44	0.00	0.00	0.00	108.04
				35	213.83	0.31	0.00	213.83	400.44	0.00	0.00	0.00	108.12
				36	213.62	0.29	0.00	213.62	400.44	0.00	0.00	0.00	108.03
				37	213.41	0.29	0.00	213.41	400.44	0.00	0.00	0.00	107.95
				38	213.62	0.30	0.00	213.62	400.44	0.00	0.00	0.00	108.03
40,41	0.800	6.230	0.800	1	345.48	2.71	0.00	345.48	415.10	0.00	0.00	0.00	164.53
				2	346.49	2.72	0.00	346.49	415.10	0.00	0.00	0.00	164.96
				3	345.28	2.57	0.00	345.28	415.10	0.00	0.00	0.00	164.45
				4	344.27	2.55	0.00	344.27	415.10	0.00	0.00	0.00	164.02
				5	318.98	1.81	0.00	318.98	415.10	0.00	0.00	0.00	153.31
				6	320.66	1.83	0.00	320.66	415.10	0.00	0.00	0.00	154.02
				7	318.65	1.59	0.00	318.65	415.10	0.00	0.00	0.00	153.18
				8	316.96	1.54	0.00	316.96	415.10	0.00	0.00	0.00	152.46
				25	257.78	1.83	0.00	257.78	415.10	0.00	0.00	0.00	127.36
				26	258.46	1.84	0.00	258.46	415.10	0.00	0.00	0.00	127.65
				27	257.65	1.74	0.00	257.65	415.10	0.00	0.00	0.00	127.31
				28	256.98	1.72	0.00	256.98	415.10	0.00	0.00	0.00	127.02
				29	240.12	1.24	0.00	240.12	415.10	0.00	0.00	0.00	119.88
				30	241.24	1.25	0.00	241.24	415.10	0.00	0.00	0.00	120.36
				31	239.90	1.08	0.00	239.90	415.10	0.00	0.00	0.00	119.80
				32	238.77	1.05	0.00	238.77	415.10	0.00	0.00	0.00	119.32
				33	229.38	0.76	0.00	229.38	415.10	0.00	0.00	0.00	115.34
				34	222.32	0.53	0.00	222.32	415.10	0.00	0.00	0.00	112.36
				35	222.54	0.53	0.00	222.54	415.10	0.00	0.00	0.00	112.45
				36	222.28	0.50	0.00	222.28	415.10	0.00	0.00	0.00	112.34
				37	222.05	0.49	0.00	222.05	415.10	0.00	0.00	0.00	112.24
				38	222.30	0.51	0.00	222.30	415.10	0.00	0.00	0.00	112.35
39,40	0.800	6.385	0.800	1	353.93	-2.64	-0.00	353.93	425.42	0.00	0.00	0.00	168.57
				2	354.83	-2.92	-0.00	354.83	425.42	0.00	0.00	0.00	168.95
				3	353.49	-3.01	-0.00	353.49	425.42	0.00	0.00	0.00	168.37
				4	352.46	-2.85	-0.00	352.46	425.42	0.00	0.00	0.00	167.94
				5	326.95	-1.43	-0.00	326.95	425.42	0.00	0.00	0.00	157.15
				6	328.45	-1.91	-0.00	328.45	425.42	0.00	0.00	0.00	157.77
				7	326.21	-2.06	-0.00	326.21	425.42	0.00	0.00	0.00	156.82
				8	324.49	-1.78	-0.00	324.49	425.42	0.00	0.00	0.00	156.10
				25	264.10	-1.78	-0.00	264.10	425.42	0.00	0.00	0.00	130.49
				26	264.70	-1.97	-0.00	264.70	425.42	0.00	0.00	0.00	130.74
				27	263.80	-2.03	-0.00	263.80	425.42	0.00	0.00	0.00	130.36

				28	263.11	-1.92	-0.00	263.11	425.42	0.00	0.00	0.00	130.07
				29	246.11	-0.98	-0.00	246.11	425.42	0.00	0.00	0.00	122.88
				30	247.11	-1.30	-0.00	247.11	425.42	0.00	0.00	0.00	123.30
				31	245.62	-1.40	-0.00	245.62	425.42	0.00	0.00	0.00	122.66
				32	244.47	-1.21	-0.00	244.47	425.42	0.00	0.00	0.00	122.18
				33	234.90	-0.85	-0.00	234.90	425.42	0.00	0.00	0.00	118.13
				34	227.71	-0.52	-0.00	227.71	425.42	0.00	0.00	0.00	115.09
				35	227.91	-0.58	-0.00	227.91	425.42	0.00	0.00	0.00	115.18
				36	227.62	-0.60	-0.00	227.62	425.42	0.00	0.00	0.00	115.05
				37	227.39	-0.56	-0.00	227.39	425.42	0.00	0.00	0.00	114.95
				38	227.65	-0.57	-0.00	227.65	425.42	0.00	0.00	0.00	115.06
4,39	0.800	6.385	0.800	1	341.17	-9.14	-0.00	341.17	425.42	0.00	0.00	0.00	163.05
				2	342.18	-8.38	-0.00	342.18	425.42	0.00	0.00	0.00	163.49
				3	341.13	-7.88	-0.00	341.13	425.42	0.00	0.00	0.00	163.05
				4	339.98	-8.33	-0.00	339.98	425.42	0.00	0.00	0.00	162.55
				5	319.42	-5.55	-0.00	319.42	425.42	0.00	0.00	0.00	153.88
				6	321.10	-4.29	-0.00	321.10	425.42	0.00	0.00	0.00	154.62
				7	319.35	-3.45	-0.00	319.35	425.42	0.00	0.00	0.00	153.89
				8	317.43	-4.20	-0.00	317.43	425.42	0.00	0.00	0.00	153.06
				25	255.52	-6.11	-0.00	255.52	425.42	0.00	0.00	0.00	126.76
				26	256.19	-5.61	-0.00	256.19	425.42	0.00	0.00	0.00	127.05
				27	255.49	-5.27	-0.00	255.49	425.42	0.00	0.00	0.00	126.76
				28	254.73	-5.57	-0.00	254.73	425.42	0.00	0.00	0.00	126.43
				29	241.02	-3.72	-0.00	241.02	425.42	0.00	0.00	0.00	120.66
				30	242.14	-2.88	-0.00	242.14	425.42	0.00	0.00	0.00	121.15
				31	240.97	-2.32	-0.00	240.97	425.42	0.00	0.00	0.00	120.67
				32	239.69	-2.82	-0.00	239.69	425.42	0.00	0.00	0.00	120.12
				33	232.19	-1.17	-0.00	232.19	425.42	0.00	0.00	0.00	116.97
				34	226.39	-0.24	-0.00	226.39	425.42	0.00	0.00	0.00	114.54
				35	226.62	-0.08	-0.00	226.62	425.42	0.00	0.00	0.00	114.64
				36	226.38	0.03	0.00	226.38	425.42	0.00	0.00	0.00	114.54
				37	226.13	-0.06	-0.00	226.13	425.42	0.00	0.00	0.00	114.43
				38	226.37	-0.06	-0.00	226.37	425.42	0.00	0.00	0.00	114.54
38,4	0.800	1.340	0.800	1	70.31	-0.02	-0.00	70.31	89.28	0.00	0.00	0.00	33.70
				2	70.95	0.01	0.00	70.95	89.28	0.00	0.00	0.00	33.97
				3	70.96	0.03	0.00	70.96	89.28	0.00	0.00	0.00	33.98
				4	70.47	0.01	0.00	70.47	89.28	0.00	0.00	0.00	33.77
				5	66.18	-0.02	-0.00	66.18	89.28	0.00	0.00	0.00	31.95
				6	67.23	0.03	0.00	67.23	89.28	0.00	0.00	0.00	32.40
				7	67.25	0.05	0.00	67.25	89.28	0.00	0.00	0.00	32.40
				8	66.44	0.02	0.00	66.44	89.28	0.00	0.00	0.00	32.06
				25	52.78	-0.01	-0.00	52.78	89.28	0.00	0.00	0.00	26.27
				26	53.20	0.01	0.00	53.20	89.28	0.00	0.00	0.00	26.45
				27	53.21	0.02	0.00	53.21	89.28	0.00	0.00	0.00	26.45
				28	52.88	0.01	0.00	52.88	89.28	0.00	0.00	0.00	26.31
				29	50.02	-0.01	-0.00	50.02	89.28	0.00	0.00	0.00	25.10
				30	50.72	0.02	0.00	50.72	89.28	0.00	0.00	0.00	25.40
				31	50.73	0.04	0.00	50.73	89.28	0.00	0.00	0.00	25.40
				32	50.19	0.02	0.00	50.19	89.28	0.00	0.00	0.00	25.17
				33	48.92	0.02	0.00	48.92	89.28	0.00	0.00	0.00	24.63
				34	47.80	0.02	0.00	47.80	89.28	0.00	0.00	0.00	24.16
				35	47.94	0.03	0.00	47.94	89.28	0.00	0.00	0.00	24.22
				36	47.94	0.03	0.00	47.94	89.28	0.00	0.00	0.00	24.22
				37	47.83	0.03	0.00	47.83	89.28	0.00	0.00	0.00	24.17
				38	47.88	0.03	0.00	47.88	89.28	0.00	0.00	0.00	24.19
36,37	0.800	1.340	0.800	1	75.18	-0.12	-0.00	75.18	89.28	0.00	0.00	0.00	35.76
				2	75.02	-0.10	-0.00	75.02	89.28	0.00	0.00	0.00	35.69
				3	74.57	-0.07	-0.00	74.57	89.28	0.00	0.00	0.00	35.50
				4	75.00	-0.10	-0.00	75.00	89.28	0.00	0.00	0.00	35.68
				5	69.49	-0.11	-0.00	69.49	89.28	0.00	0.00	0.00	33.35
				6	69.21	-0.09	-0.00	69.21	89.28	0.00	0.00	0.00	33.23
				7	68.47	-0.03	-0.00	68.47	89.28	0.00	0.00	0.00	32.92
				8	69.18	-0.09	-0.00	69.18	89.28	0.00	0.00	0.00	33.22
				25	56.10	-0.08	-0.00	56.10	89.28	0.00	0.00	0.00	27.67

				26	55.99	-0.07	-0.00	55.99	89.28	0.00	0.00	0.00	27.63
				27	55.69	-0.05	-0.00	55.69	89.28	0.00	0.00	0.00	27.50
				28	55.98	-0.07	-0.00	55.98	89.28	0.00	0.00	0.00	27.62
				29	52.30	-0.08	-0.00	52.30	89.28	0.00	0.00	0.00	26.06
				30	52.12	-0.06	-0.00	52.12	89.28	0.00	0.00	0.00	25.98
				31	51.62	-0.02	-0.00	51.62	89.28	0.00	0.00	0.00	25.78
				32	52.10	-0.06	-0.00	52.10	89.28	0.00	0.00	0.00	25.98
				33	49.78	-0.06	-0.00	49.78	89.28	0.00	0.00	0.00	25.00
				34	48.27	-0.05	-0.00	48.27	89.28	0.00	0.00	0.00	24.35
				35	48.23	-0.05	-0.00	48.23	89.28	0.00	0.00	0.00	24.34
				36	48.14	-0.04	-0.00	48.14	89.28	0.00	0.00	0.00	24.30
				37	48.23	-0.05	-0.00	48.23	89.28	0.00	0.00	0.00	24.34
				38	48.23	-0.05	-0.00	48.23	89.28	0.00	0.00	0.00	24.34
35,36	0.800	6.010	0.800	1	324.96	-7.91	-0.00	324.96	400.44	0.00	0.00	0.00	155.10
				2	325.06	-7.55	-0.00	325.06	400.44	0.00	0.00	0.00	155.14
				3	325.24	-6.77	-0.00	325.24	400.44	0.00	0.00	0.00	155.24
				4	324.81	-7.72	-0.00	324.81	400.44	0.00	0.00	0.00	155.04
				5	300.74	-6.97	-0.00	300.74	400.44	0.00	0.00	0.00	144.84
				6	300.90	-6.37	-0.00	300.90	400.44	0.00	0.00	0.00	144.92
				7	301.20	-5.06	-0.00	301.20	400.44	0.00	0.00	0.00	145.07
				8	300.49	-6.64	-0.00	300.49	400.44	0.00	0.00	0.00	144.74
				25	243.21	-5.45	-0.00	243.21	400.44	0.00	0.00	0.00	120.45
				26	243.27	-5.21	-0.00	243.27	400.44	0.00	0.00	0.00	120.49
				27	243.39	-4.68	-0.00	243.39	400.44	0.00	0.00	0.00	120.55
				28	243.11	-5.32	-0.00	243.11	400.44	0.00	0.00	0.00	120.41
				29	227.06	-4.82	-0.00	227.06	400.44	0.00	0.00	0.00	113.61
				30	227.17	-4.42	-0.00	227.17	400.44	0.00	0.00	0.00	113.67
				31	227.37	-3.55	-0.00	227.37	400.44	0.00	0.00	0.00	113.78
				32	226.90	-4.60	-0.00	226.90	400.44	0.00	0.00	0.00	113.55
				33	217.38	-4.02	-0.00	217.38	400.44	0.00	0.00	0.00	109.53
				34	210.92	-3.78	-0.00	210.92	400.44	0.00	0.00	0.00	106.79
				35	210.94	-3.70	-0.00	210.94	400.44	0.00	0.00	0.00	106.80
				36	210.98	-3.52	-0.00	210.98	400.44	0.00	0.00	0.00	106.82
				37	210.89	-3.73	-0.00	210.89	400.44	0.00	0.00	0.00	106.78
				38	210.92	-3.71	-0.00	210.92	400.44	0.00	0.00	0.00	106.79
34,35	0.800	6.010	0.800	1	316.26	-1.28	-0.00	316.26	400.44	0.00	0.00	0.00	151.53
				2	316.54	-1.36	-0.00	316.54	400.44	0.00	0.00	0.00	151.65
				3	316.79	-1.69	-0.00	316.79	400.44	0.00	0.00	0.00	151.75
				4	316.11	-1.39	-0.00	316.11	400.44	0.00	0.00	0.00	151.46
				5	293.36	-0.93	-0.00	293.36	400.44	0.00	0.00	0.00	141.83
				6	293.84	-1.07	-0.00	293.84	400.44	0.00	0.00	0.00	142.03
				7	294.25	-1.61	-0.00	294.25	400.44	0.00	0.00	0.00	142.19
				8	293.11	-1.12	-0.00	293.11	400.44	0.00	0.00	0.00	141.71
				25	237.21	-0.88	-0.00	237.21	400.44	0.00	0.00	0.00	118.02
				26	237.40	-0.94	-0.00	237.40	400.44	0.00	0.00	0.00	118.10
				27	237.57	-1.16	-0.00	237.57	400.44	0.00	0.00	0.00	118.16
				28	237.11	-0.96	-0.00	237.11	400.44	0.00	0.00	0.00	117.98
				29	221.95	-0.65	-0.00	221.95	400.44	0.00	0.00	0.00	111.55
				30	222.27	-0.74	-0.00	222.27	400.44	0.00	0.00	0.00	111.69
				31	222.54	-1.10	-0.00	222.54	400.44	0.00	0.00	0.00	111.79
				32	221.78	-0.78	-0.00	221.78	400.44	0.00	0.00	0.00	111.48
				33	212.97	-0.64	-0.00	212.97	400.44	0.00	0.00	0.00	107.75
				34	206.86	-0.54	-0.00	206.86	400.44	0.00	0.00	0.00	105.16
				35	206.92	-0.56	-0.00	206.92	400.44	0.00	0.00	0.00	105.18
				36	206.98	-0.63	-0.00	206.98	400.44	0.00	0.00	0.00	105.21
				37	206.82	-0.57	-0.00	206.82	400.44	0.00	0.00	0.00	105.14
				38	206.89	-0.56	-0.00	206.89	400.44	0.00	0.00	0.00	105.17
33,34	0.800	6.010	0.800	1	315.69	0.61	0.00	315.69	400.44	0.00	0.00	0.00	151.30
				2	315.88	0.55	0.00	315.88	400.44	0.00	0.00	0.00	151.38
				3	315.74	0.45	0.00	315.74	400.44	0.00	0.00	0.00	151.32
				4	315.42	0.56	0.00	315.42	400.44	0.00	0.00	0.00	151.19
				5	293.08	0.51	0.00	293.08	400.44	0.00	0.00	0.00	141.71
				6	293.38	0.42	0.00	293.38	400.44	0.00	0.00	0.00	141.84
				7	293.15	0.24	0.00	293.15	400.44	0.00	0.00	0.00	141.75

				8	292.63	0.43	0.00	292.63	400.44	0.00	0.00	0.00	141.53
				25	236.82	0.42	0.00	236.82	400.44	0.00	0.00	0.00	117.87
				26	236.95	0.38	0.00	236.95	400.44	0.00	0.00	0.00	117.92
				27	236.85	0.31	0.00	236.85	400.44	0.00	0.00	0.00	117.88
				28	236.64	0.38	0.00	236.64	400.44	0.00	0.00	0.00	117.79
				29	221.75	0.35	0.00	221.75	400.44	0.00	0.00	0.00	111.48
				30	221.95	0.29	0.00	221.95	400.44	0.00	0.00	0.00	111.56
				31	221.79	0.17	0.00	221.79	400.44	0.00	0.00	0.00	111.50
				32	221.45	0.30	0.00	221.45	400.44	0.00	0.00	0.00	111.35
				33	212.73	0.24	0.00	212.73	400.44	0.00	0.00	0.00	107.66
				34	206.70	0.21	0.00	206.70	400.44	0.00	0.00	0.00	105.10
				35	206.74	0.20	0.00	206.74	400.44	0.00	0.00	0.00	105.12
				36	206.70	0.18	0.00	206.70	400.44	0.00	0.00	0.00	105.10
				37	206.64	0.20	0.00	206.64	400.44	0.00	0.00	0.00	105.07
				38	206.70	0.20	0.00	206.70	400.44	0.00	0.00	0.00	105.10
32,33	0.800	6.010	0.800	1	319.61	4.00	0.00	319.61	400.44	0.00	0.00	0.00	152.90
				2	319.66	3.84	0.00	319.66	400.44	0.00	0.00	0.00	152.92
				3	319.42	3.78	0.00	319.42	400.44	0.00	0.00	0.00	152.82
				4	319.25	3.90	0.00	319.25	400.44	0.00	0.00	0.00	152.75
				5	295.85	2.78	0.00	295.85	400.44	0.00	0.00	0.00	142.84
				6	295.93	2.52	0.00	295.93	400.44	0.00	0.00	0.00	142.88
				7	295.52	2.41	0.00	295.52	400.44	0.00	0.00	0.00	142.71
				8	295.25	2.62	0.00	295.25	400.44	0.00	0.00	0.00	142.60
				25	239.49	2.72	0.00	239.49	400.44	0.00	0.00	0.00	118.94
				26	239.53	2.62	0.00	239.53	400.44	0.00	0.00	0.00	118.96
				27	239.36	2.58	0.00	239.36	400.44	0.00	0.00	0.00	118.89
				28	239.25	2.66	0.00	239.25	400.44	0.00	0.00	0.00	118.84
				29	223.65	1.91	0.00	223.65	400.44	0.00	0.00	0.00	112.24
				30	223.71	1.74	0.00	223.71	400.44	0.00	0.00	0.00	112.27
				31	223.43	1.66	0.00	223.43	400.44	0.00	0.00	0.00	112.16
				32	223.25	1.81	0.00	223.25	400.44	0.00	0.00	0.00	112.08
				33	214.03	1.27	0.00	214.03	400.44	0.00	0.00	0.00	108.18
				34	207.70	0.95	0.00	207.70	400.44	0.00	0.00	0.00	105.50
				35	207.71	0.91	0.00	207.71	400.44	0.00	0.00	0.00	105.51
				36	207.65	0.90	0.00	207.65	400.44	0.00	0.00	0.00	105.49
				37	207.62	0.93	0.00	207.62	400.44	0.00	0.00	0.00	105.47
				38	207.68	0.92	0.00	207.68	400.44	0.00	0.00	0.00	105.50
31,32	0.800	6.230	0.800	1	341.36	3.13	0.00	341.36	415.10	0.00	0.00	0.00	162.78
				2	340.91	2.83	0.00	340.91	415.10	0.00	0.00	0.00	162.59
				3	340.83	3.14	0.00	340.83	415.10	0.00	0.00	0.00	162.55
				4	341.01	3.31	0.00	341.01	415.10	0.00	0.00	0.00	162.63
				5	313.64	2.21	0.00	313.64	415.10	0.00	0.00	0.00	151.04
				6	312.89	1.72	0.00	312.89	415.10	0.00	0.00	0.00	150.73
				7	312.76	2.24	0.00	312.76	415.10	0.00	0.00	0.00	150.67
				8	313.06	2.51	0.00	313.06	415.10	0.00	0.00	0.00	150.79
				25	255.14	2.17	0.00	255.14	415.10	0.00	0.00	0.00	126.23
				26	254.83	1.97	0.00	254.83	415.10	0.00	0.00	0.00	126.11
				27	254.78	2.18	0.00	254.78	415.10	0.00	0.00	0.00	126.08
				28	254.90	2.29	0.00	254.90	415.10	0.00	0.00	0.00	126.13
				29	236.66	1.56	0.00	236.66	415.10	0.00	0.00	0.00	118.41
				30	236.16	1.23	0.00	236.16	415.10	0.00	0.00	0.00	118.20
				31	236.07	1.58	0.00	236.07	415.10	0.00	0.00	0.00	118.16
				32	236.27	1.76	0.00	236.27	415.10	0.00	0.00	0.00	118.24
				33	225.19	1.16	0.00	225.19	415.10	0.00	0.00	0.00	113.56
				34	217.82	0.92	0.00	217.82	415.10	0.00	0.00	0.00	110.44
				35	217.72	0.85	0.00	217.72	415.10	0.00	0.00	0.00	110.39
				36	217.70	0.92	0.00	217.70	415.10	0.00	0.00	0.00	110.38
				37	217.74	0.96	0.00	217.74	415.10	0.00	0.00	0.00	110.40
				38	217.76	0.91	0.00	217.76	415.10	0.00	0.00	0.00	110.41
3,31	0.800	12.770	0.800	1	647.24	-4.77	-0.00	647.24	850.85	0.00	0.00	0.00	311.48
				2	645.38	-4.92	-0.00	645.38	850.85	0.00	0.00	0.00	310.69
				3	645.64	-5.68	-0.00	645.64	850.85	0.00	0.00	0.00	310.79
				4	646.22	-5.21	-0.00	646.22	850.85	0.00	0.00	0.00	311.05
				5	611.77	7.02	0.00	611.77	850.85	0.00	0.00	0.00	296.42

				6	608.67	6.76	0.00	608.67	850.85	0.00	0.00	0.00	295.11
				7	609.10	5.49	0.00	609.10	850.85	0.00	0.00	0.00	295.30
				8	610.07	6.27	0.00	610.07	850.85	0.00	0.00	0.00	295.71
				25	487.50	-2.94	-0.00	487.50	850.85	0.00	0.00	0.00	243.77
				26	486.26	-3.05	-0.00	486.26	850.85	0.00	0.00	0.00	243.25
				27	486.44	-3.56	-0.00	486.44	850.85	0.00	0.00	0.00	243.31
				28	486.83	-3.24	-0.00	486.83	850.85	0.00	0.00	0.00	243.48
				29	463.86	4.91	0.00	463.86	850.85	0.00	0.00	0.00	233.72
				30	461.79	4.74	0.00	461.79	850.85	0.00	0.00	0.00	232.85
				31	462.08	3.89	0.00	462.08	850.85	0.00	0.00	0.00	232.98
				32	462.73	4.41	0.00	462.73	850.85	0.00	0.00	0.00	233.25
				33	448.00	9.19	0.00	448.00	850.85	0.00	0.00	0.00	226.94
				34	438.59	12.35	0.00	438.59	850.85	0.00	0.00	0.00	222.91
				35	438.18	12.32	0.00	438.18	850.85	0.00	0.00	0.00	222.74
				36	438.24	12.14	0.00	438.24	850.85	0.00	0.00	0.00	222.76
				37	438.37	12.25	0.00	438.37	850.85	0.00	0.00	0.00	222.82
				38	438.32	12.28	0.00	438.32	850.85	0.00	0.00	0.00	222.80
30,3	0.800	1.340	0.800	1	74.34	0.23	0.00	74.34	89.28	0.00	0.00	0.00	35.39
				2	74.91	0.28	0.00	74.91	89.28	0.00	0.00	0.00	35.63
				3	75.38	0.32	0.00	75.38	89.28	0.00	0.00	0.00	35.83
				4	75.01	0.28	0.00	75.01	89.28	0.00	0.00	0.00	35.67
				5	68.54	0.12	0.00	68.54	89.28	0.00	0.00	0.00	32.94
				6	69.49	0.22	0.00	69.49	89.28	0.00	0.00	0.00	33.34
				7	70.27	0.27	0.00	70.27	89.28	0.00	0.00	0.00	33.66
				8	69.66	0.22	0.00	69.66	89.28	0.00	0.00	0.00	33.41
				25	55.55	0.16	0.00	55.55	89.28	0.00	0.00	0.00	27.43
				26	55.93	0.19	0.00	55.93	89.28	0.00	0.00	0.00	27.59
				27	56.24	0.22	0.00	56.24	89.28	0.00	0.00	0.00	27.72
				28	56.00	0.19	0.00	56.00	89.28	0.00	0.00	0.00	27.62
				29	51.68	0.08	0.00	51.68	89.28	0.00	0.00	0.00	25.80
				30	52.32	0.15	0.00	52.32	89.28	0.00	0.00	0.00	26.06
				31	52.84	0.19	0.00	52.84	89.28	0.00	0.00	0.00	26.28
				32	52.43	0.15	0.00	52.43	89.28	0.00	0.00	0.00	26.11
				33	50.27	0.12	0.00	50.27	89.28	0.00	0.00	0.00	25.19
				34	48.70	0.09	0.00	48.70	89.28	0.00	0.00	0.00	24.53
				35	48.82	0.10	0.00	48.82	89.28	0.00	0.00	0.00	24.58
				36	48.93	0.11	0.00	48.93	89.28	0.00	0.00	0.00	24.63
				37	48.84	0.10	0.00	48.84	89.28	0.00	0.00	0.00	24.59
				38	48.84	0.10	0.00	48.84	89.28	0.00	0.00	0.00	24.59
28,29	0.800	1.340	0.800	1	75.18	-0.12	-0.00	75.18	89.28	0.00	0.00	0.00	35.76
				2	75.00	-0.10	-0.00	75.00	89.28	0.00	0.00	0.00	35.68
				3	74.57	-0.07	-0.00	74.57	89.28	0.00	0.00	0.00	35.51
				4	75.02	-0.10	-0.00	75.02	89.28	0.00	0.00	0.00	35.69
				5	69.48	-0.11	-0.00	69.48	89.28	0.00	0.00	0.00	33.34
				6	69.18	-0.09	-0.00	69.18	89.28	0.00	0.00	0.00	33.22
				7	68.47	-0.03	-0.00	68.47	89.28	0.00	0.00	0.00	32.92
				8	69.21	-0.09	-0.00	69.21	89.28	0.00	0.00	0.00	33.23
				25	56.10	-0.08	-0.00	56.10	89.28	0.00	0.00	0.00	27.67
				26	55.98	-0.07	-0.00	55.98	89.28	0.00	0.00	0.00	27.62
				27	55.69	-0.05	-0.00	55.69	89.28	0.00	0.00	0.00	27.50
				28	55.99	-0.07	-0.00	55.99	89.28	0.00	0.00	0.00	27.63
				29	52.30	-0.08	-0.00	52.30	89.28	0.00	0.00	0.00	26.06
				30	52.10	-0.06	-0.00	52.10	89.28	0.00	0.00	0.00	25.98
				31	51.62	-0.02	-0.00	51.62	89.28	0.00	0.00	0.00	25.78
				32	52.12	-0.06	-0.00	52.12	89.28	0.00	0.00	0.00	25.99
				33	49.78	-0.06	-0.00	49.78	89.28	0.00	0.00	0.00	25.00
				34	48.27	-0.05	-0.00	48.27	89.28	0.00	0.00	0.00	24.35
				35	48.23	-0.05	-0.00	48.23	89.28	0.00	0.00	0.00	24.34
				36	48.14	-0.04	-0.00	48.14	89.28	0.00	0.00	0.00	24.30
				37	48.24	-0.05	-0.00	48.24	89.28	0.00	0.00	0.00	24.34
				38	48.23	-0.05	-0.00	48.23	89.28	0.00	0.00	0.00	24.34
27,28	0.800	6.010	0.800	1	325.13	-7.71	-0.00	325.13	400.44	0.00	0.00	0.00	155.17
				2	324.98	-7.52	-0.00	324.98	400.44	0.00	0.00	0.00	155.11
				3	325.41	-6.57	-0.00	325.41	400.44	0.00	0.00	0.00	155.31

				4	325.23	-7.35	-0.00	325.23	400.44	0.00	0.00	0.00	155.22
				5	300.85	-6.84	-0.00	300.85	400.44	0.00	0.00	0.00	144.89
				6	300.61	-6.51	-0.00	300.61	400.44	0.00	0.00	0.00	144.79
				7	301.33	-4.93	-0.00	301.33	400.44	0.00	0.00	0.00	145.13
				8	301.02	-6.24	-0.00	301.02	400.44	0.00	0.00	0.00	144.97
				25	243.32	-5.31	-0.00	243.32	400.44	0.00	0.00	0.00	120.51
				26	243.22	-5.18	-0.00	243.22	400.44	0.00	0.00	0.00	120.47
				27	243.51	-4.55	-0.00	243.51	400.44	0.00	0.00	0.00	120.60
				28	243.39	-5.07	-0.00	243.39	400.44	0.00	0.00	0.00	120.54
				29	227.14	-4.73	-0.00	227.14	400.44	0.00	0.00	0.00	113.65
				30	226.97	-4.51	-0.00	226.97	400.44	0.00	0.00	0.00	113.59
				31	227.46	-3.46	-0.00	227.46	400.44	0.00	0.00	0.00	113.82
				32	227.25	-4.32	-0.00	227.25	400.44	0.00	0.00	0.00	113.71
				33	217.44	-3.95	-0.00	217.44	400.44	0.00	0.00	0.00	109.55
				34	210.96	-3.73	-0.00	210.96	400.44	0.00	0.00	0.00	106.81
				35	210.93	-3.69	-0.00	210.93	400.44	0.00	0.00	0.00	106.80
				36	211.03	-3.48	-0.00	211.03	400.44	0.00	0.00	0.00	106.85
				37	210.99	-3.65	-0.00	210.99	400.44	0.00	0.00	0.00	106.82
				38	210.97	-3.66	-0.00	210.97	400.44	0.00	0.00	0.00	106.81
26,27	0.800	6.010	0.800	1	316.59	-1.27	-0.00	316.59	400.44	0.00	0.00	0.00	151.67
				2	316.44	-1.39	-0.00	316.44	400.44	0.00	0.00	0.00	151.60
				3	317.13	-1.69	-0.00	317.13	400.44	0.00	0.00	0.00	151.89
				4	316.88	-1.36	-0.00	316.88	400.44	0.00	0.00	0.00	151.79
				5	293.59	-0.92	-0.00	293.59	400.44	0.00	0.00	0.00	141.92
				6	293.33	-1.12	-0.00	293.33	400.44	0.00	0.00	0.00	141.81
				7	294.48	-1.61	-0.00	294.48	400.44	0.00	0.00	0.00	142.29
				8	294.07	-1.07	-0.00	294.07	400.44	0.00	0.00	0.00	142.12
				25	237.44	-0.88	-0.00	237.44	400.44	0.00	0.00	0.00	118.12
				26	237.34	-0.96	-0.00	237.34	400.44	0.00	0.00	0.00	118.07
				27	237.80	-1.15	-0.00	237.80	400.44	0.00	0.00	0.00	118.26
				28	237.63	-0.94	-0.00	237.63	400.44	0.00	0.00	0.00	118.20
				29	222.11	-0.64	-0.00	222.11	400.44	0.00	0.00	0.00	111.62
				30	221.93	-0.77	-0.00	221.93	400.44	0.00	0.00	0.00	111.54
				31	222.70	-1.10	-0.00	222.70	400.44	0.00	0.00	0.00	111.86
				32	222.43	-0.74	-0.00	222.43	400.44	0.00	0.00	0.00	111.75
				33	213.08	-0.64	-0.00	213.08	400.44	0.00	0.00	0.00	107.80
				34	206.94	-0.54	-0.00	206.94	400.44	0.00	0.00	0.00	105.19
				35	206.91	-0.57	-0.00	206.91	400.44	0.00	0.00	0.00	105.18
				36	207.06	-0.63	-0.00	207.06	400.44	0.00	0.00	0.00	105.24
				37	207.01	-0.56	-0.00	207.01	400.44	0.00	0.00	0.00	105.22
				38	206.97	-0.56	-0.00	206.97	400.44	0.00	0.00	0.00	105.21
25,26	0.800	6.010	0.800	1	316.04	0.63	0.00	316.04	400.44	0.00	0.00	0.00	151.45
				2	315.77	0.58	0.00	315.77	400.44	0.00	0.00	0.00	151.33
				3	316.09	0.46	0.00	316.09	400.44	0.00	0.00	0.00	151.47
				4	316.23	0.57	0.00	316.23	400.44	0.00	0.00	0.00	151.53
				5	293.32	0.52	0.00	293.32	400.44	0.00	0.00	0.00	141.82
				6	292.87	0.44	0.00	292.87	400.44	0.00	0.00	0.00	141.63
				7	293.39	0.25	0.00	293.39	400.44	0.00	0.00	0.00	141.85
				8	293.62	0.43	0.00	293.62	400.44	0.00	0.00	0.00	141.95
				25	237.06	0.43	0.00	237.06	400.44	0.00	0.00	0.00	117.97
				26	236.88	0.39	0.00	236.88	400.44	0.00	0.00	0.00	117.89
				27	237.09	0.32	0.00	237.09	400.44	0.00	0.00	0.00	117.98
				28	237.18	0.39	0.00	237.18	400.44	0.00	0.00	0.00	118.02
				29	221.91	0.36	0.00	221.91	400.44	0.00	0.00	0.00	111.55
				30	221.61	0.31	0.00	221.61	400.44	0.00	0.00	0.00	111.42
				31	221.96	0.18	0.00	221.96	400.44	0.00	0.00	0.00	111.57
				32	222.11	0.29	0.00	222.11	400.44	0.00	0.00	0.00	111.63
				33	212.85	0.24	0.00	212.85	400.44	0.00	0.00	0.00	107.71
				34	206.78	0.22	0.00	206.78	400.44	0.00	0.00	0.00	105.14
				35	206.72	0.21	0.00	206.72	400.44	0.00	0.00	0.00	105.11
				36	206.79	0.18	0.00	206.79	400.44	0.00	0.00	0.00	105.14
				37	206.83	0.20	0.00	206.83	400.44	0.00	0.00	0.00	105.15
				38	206.79	0.20	0.00	206.79	400.44	0.00	0.00	0.00	105.14
24,25	0.800	6.010	0.800	1	320.00	4.04	0.00	320.00	400.44	0.00	0.00	0.00	153.06

				2	319.64	3.94	0.00	319.64	400.44	0.00	0.00	0.00	152.91
				3	319.80	3.82	0.00	319.80	400.44	0.00	0.00	0.00	152.98
				4	320.05	3.88	0.00	320.05	400.44	0.00	0.00	0.00	153.09
				5	296.11	2.81	0.00	296.11	400.44	0.00	0.00	0.00	142.95
				6	295.52	2.65	0.00	295.52	400.44	0.00	0.00	0.00	142.71
				7	295.78	2.43	0.00	295.78	400.44	0.00	0.00	0.00	142.82
				8	296.19	2.55	0.00	296.19	400.44	0.00	0.00	0.00	142.99
				25	239.76	2.75	0.00	239.76	400.44	0.00	0.00	0.00	119.05
				26	239.52	2.69	0.00	239.52	400.44	0.00	0.00	0.00	118.95
				27	239.63	2.60	0.00	239.63	400.44	0.00	0.00	0.00	119.00
				28	239.79	2.65	0.00	239.79	400.44	0.00	0.00	0.00	119.07
				29	223.83	1.93	0.00	223.83	400.44	0.00	0.00	0.00	112.32
				30	223.44	1.82	0.00	223.44	400.44	0.00	0.00	0.00	112.15
				31	223.61	1.68	0.00	223.61	400.44	0.00	0.00	0.00	112.23
				32	223.89	1.76	0.00	223.89	400.44	0.00	0.00	0.00	112.35
				33	214.16	1.28	0.00	214.16	400.44	0.00	0.00	0.00	108.23
				34	207.79	0.96	0.00	207.79	400.44	0.00	0.00	0.00	105.54
				35	207.71	0.94	0.00	207.71	400.44	0.00	0.00	0.00	105.51
				36	207.75	0.91	0.00	207.75	400.44	0.00	0.00	0.00	105.53
				37	207.80	0.92	0.00	207.80	400.44	0.00	0.00	0.00	105.55
				38	207.78	0.93	0.00	207.78	400.44	0.00	0.00	0.00	105.54
23,24	0.800	6.230	0.800	1	342.10	3.43	0.00	342.10	415.10	0.00	0.00	0.00	163.09
				2	341.75	3.61	0.00	341.75	415.10	0.00	0.00	0.00	162.93
				3	341.57	3.44	0.00	341.57	415.10	0.00	0.00	0.00	162.86
				4	341.65	3.13	0.00	341.65	415.10	0.00	0.00	0.00	162.90
				5	314.14	2.41	0.00	314.14	415.10	0.00	0.00	0.00	151.25
				6	313.55	2.71	0.00	313.55	415.10	0.00	0.00	0.00	150.99
				7	313.26	2.44	0.00	313.26	415.10	0.00	0.00	0.00	150.87
				8	313.39	1.92	0.00	313.39	415.10	0.00	0.00	0.00	150.94
				25	255.64	2.37	0.00	255.64	415.10	0.00	0.00	0.00	126.44
				26	255.40	2.49	0.00	255.40	415.10	0.00	0.00	0.00	126.34
				27	255.29	2.38	0.00	255.29	415.10	0.00	0.00	0.00	126.29
				28	255.34	2.17	0.00	255.34	415.10	0.00	0.00	0.00	126.32
				29	237.00	1.69	0.00	237.00	415.10	0.00	0.00	0.00	118.55
				30	236.61	1.89	0.00	236.61	415.10	0.00	0.00	0.00	118.38
				31	236.41	1.71	0.00	236.41	415.10	0.00	0.00	0.00	118.30
				32	236.50	1.36	0.00	236.50	415.10	0.00	0.00	0.00	118.35
				33	225.44	1.25	0.00	225.44	415.10	0.00	0.00	0.00	113.66
				34	217.99	0.98	0.00	217.99	415.10	0.00	0.00	0.00	110.51
				35	217.92	1.02	0.00	217.92	415.10	0.00	0.00	0.00	110.47
				36	217.88	0.99	0.00	217.88	415.10	0.00	0.00	0.00	110.46
				37	217.89	0.92	0.00	217.89	415.10	0.00	0.00	0.00	110.47
				38	217.93	0.98	0.00	217.93	415.10	0.00	0.00	0.00	110.48
2,23	0.800	12.770	0.800	1	648.50	-5.79	-0.00	648.50	850.85	0.00	0.00	0.00	312.01
				2	647.48	-6.23	-0.00	647.48	850.85	0.00	0.00	0.00	311.57
				3	646.90	-6.71	-0.00	646.90	850.85	0.00	0.00	0.00	311.32
				4	646.64	-5.95	-0.00	646.64	850.85	0.00	0.00	0.00	311.22
				5	612.61	6.35	0.00	612.61	850.85	0.00	0.00	0.00	296.79
				6	610.92	5.61	0.00	610.92	850.85	0.00	0.00	0.00	296.07
				7	609.94	4.81	0.00	609.94	850.85	0.00	0.00	0.00	295.67
				8	609.51	6.08	0.00	609.51	850.85	0.00	0.00	0.00	295.47
				25	488.36	-3.64	-0.00	488.36	850.85	0.00	0.00	0.00	244.13
				26	487.68	-3.93	-0.00	487.68	850.85	0.00	0.00	0.00	243.84
				27	487.30	-4.25	-0.00	487.30	850.85	0.00	0.00	0.00	243.67
				28	487.12	-3.75	-0.00	487.12	850.85	0.00	0.00	0.00	243.60
				29	464.44	4.45	0.00	464.44	850.85	0.00	0.00	0.00	233.98
				30	463.31	3.96	0.00	463.31	850.85	0.00	0.00	0.00	233.50
				31	462.66	3.43	0.00	462.66	850.85	0.00	0.00	0.00	233.23
				32	462.37	4.27	0.00	462.37	850.85	0.00	0.00	0.00	233.10
				33	448.41	8.87	0.00	448.41	850.85	0.00	0.00	0.00	227.12
				34	438.90	12.12	0.00	438.90	850.85	0.00	0.00	0.00	223.04
				35	438.67	12.02	0.00	438.67	850.85	0.00	0.00	0.00	222.95
				36	438.54	11.92	0.00	438.54	850.85	0.00	0.00	0.00	222.89
				37	438.48	12.09	0.00	438.48	850.85	0.00	0.00	0.00	222.87

				38	438.63	12.05	0.00	438.63	850.85	0.00	0.00	0.00	222.93
22,2	0.800	1.340	0.800	1	74.49	0.23	0.00	74.49	89.28	0.00	0.00	0.00	35.46
				2	75.16	0.29	0.00	75.16	89.28	0.00	0.00	0.00	35.74
				3	75.53	0.32	0.00	75.53	89.28	0.00	0.00	0.00	35.89
				4	75.06	0.29	0.00	75.06	89.28	0.00	0.00	0.00	35.69
				5	68.64	0.12	0.00	68.64	89.28	0.00	0.00	0.00	32.99
				6	69.76	0.22	0.00	69.76	89.28	0.00	0.00	0.00	33.45
				7	70.37	0.27	0.00	70.37	89.28	0.00	0.00	0.00	33.71
				8	69.59	0.22	0.00	69.59	89.28	0.00	0.00	0.00	33.38
				25	55.65	0.16	0.00	55.65	89.28	0.00	0.00	0.00	27.47
				26	56.10	0.20	0.00	56.10	89.28	0.00	0.00	0.00	27.66
				27	56.34	0.22	0.00	56.34	89.28	0.00	0.00	0.00	27.76
				28	56.03	0.20	0.00	56.03	89.28	0.00	0.00	0.00	27.63
				29	51.75	0.09	0.00	51.75	89.28	0.00	0.00	0.00	25.83
				30	52.50	0.15	0.00	52.50	89.28	0.00	0.00	0.00	26.14
				31	52.91	0.19	0.00	52.91	89.28	0.00	0.00	0.00	26.31
				32	52.39	0.15	0.00	52.39	89.28	0.00	0.00	0.00	26.09
				33	50.32	0.12	0.00	50.32	89.28	0.00	0.00	0.00	25.22
				34	48.73	0.09	0.00	48.73	89.28	0.00	0.00	0.00	24.55
				35	48.88	0.10	0.00	48.88	89.28	0.00	0.00	0.00	24.61
				36	48.96	0.11	0.00	48.96	89.28	0.00	0.00	0.00	24.64
				37	48.86	0.10	0.00	48.86	89.28	0.00	0.00	0.00	24.60
				38	48.88	0.10	0.00	48.88	89.28	0.00	0.00	0.00	24.61
20,21	0.800	1.340	0.800	1	70.33	-0.07	-0.00	70.33	89.28	0.00	0.00	0.00	33.71
				2	70.00	-0.06	-0.00	70.00	89.28	0.00	0.00	0.00	33.57
				3	69.82	-0.04	-0.00	69.82	89.28	0.00	0.00	0.00	33.49
				4	70.32	-0.06	-0.00	70.32	89.28	0.00	0.00	0.00	33.70
				5	66.57	-0.07	-0.00	66.57	89.28	0.00	0.00	0.00	32.11
				6	66.01	-0.06	-0.00	66.01	89.28	0.00	0.00	0.00	31.88
				7	65.72	-0.02	-0.00	65.72	89.28	0.00	0.00	0.00	31.76
				8	66.54	-0.06	-0.00	66.54	89.28	0.00	0.00	0.00	32.10
				25	52.80	-0.05	-0.00	52.80	89.28	0.00	0.00	0.00	26.28
				26	52.58	-0.04	-0.00	52.58	89.28	0.00	0.00	0.00	26.18
				27	52.46	-0.03	-0.00	52.46	89.28	0.00	0.00	0.00	26.13
				28	52.79	-0.04	-0.00	52.79	89.28	0.00	0.00	0.00	26.27
				29	50.29	-0.05	-0.00	50.29	89.28	0.00	0.00	0.00	25.21
				30	49.92	-0.04	-0.00	49.92	89.28	0.00	0.00	0.00	25.06
				31	49.73	-0.01	-0.00	49.73	89.28	0.00	0.00	0.00	24.98
				32	50.27	-0.04	-0.00	50.27	89.28	0.00	0.00	0.00	25.21
				33	48.56	-0.04	-0.00	48.56	89.28	0.00	0.00	0.00	24.48
				34	47.57	-0.04	-0.00	47.57	89.28	0.00	0.00	0.00	24.06
				35	47.49	-0.03	-0.00	47.49	89.28	0.00	0.00	0.00	24.03
				36	47.45	-0.03	-0.00	47.45	89.28	0.00	0.00	0.00	24.01
				37	47.56	-0.03	-0.00	47.56	89.28	0.00	0.00	0.00	24.06
				38	47.53	-0.03	-0.00	47.53	89.28	0.00	0.00	0.00	24.04
19,20	0.800	6.010	0.800	1	308.67	-3.57	-0.00	308.67	400.44	0.00	0.00	0.00	148.27
				2	307.85	-3.30	-0.00	307.85	400.44	0.00	0.00	0.00	147.92
				3	308.60	-2.64	-0.00	308.60	400.44	0.00	0.00	0.00	148.25
				4	309.28	-3.24	-0.00	309.28	400.44	0.00	0.00	0.00	148.53
				5	292.14	-3.42	-0.00	292.14	400.44	0.00	0.00	0.00	141.26
				6	290.78	-2.96	-0.00	290.78	400.44	0.00	0.00	0.00	140.69
				7	292.02	-1.86	-0.00	292.02	400.44	0.00	0.00	0.00	141.24
				8	293.17	-2.86	-0.00	293.17	400.44	0.00	0.00	0.00	141.71
				25	232.12	-2.51	-0.00	232.12	400.44	0.00	0.00	0.00	115.82
				26	231.57	-2.33	-0.00	231.57	400.44	0.00	0.00	0.00	115.59
				27	232.07	-1.89	-0.00	232.07	400.44	0.00	0.00	0.00	115.82
				28	232.53	-2.29	-0.00	232.53	400.44	0.00	0.00	0.00	116.00
				29	221.10	-2.41	-0.00	221.10	400.44	0.00	0.00	0.00	111.15
				30	220.19	-2.10	-0.00	220.19	400.44	0.00	0.00	0.00	110.77
				31	221.02	-1.37	-0.00	221.02	400.44	0.00	0.00	0.00	111.14
				32	221.79	-2.04	-0.00	221.79	400.44	0.00	0.00	0.00	111.45
				33	214.39	-1.96	-0.00	214.39	400.44	0.00	0.00	0.00	108.31
				34	209.99	-1.93	-0.00	209.99	400.44	0.00	0.00	0.00	106.45
				35	209.80	-1.87	-0.00	209.80	400.44	0.00	0.00	0.00	106.37

				36	209.97	-1.73	-0.00	209.97	400.44	0.00	0.00	0.00	106.45
				37	210.12	-1.86	-0.00	210.12	400.44	0.00	0.00	0.00	106.51
				38	209.97	-1.87	-0.00	209.97	400.44	0.00	0.00	0.00	106.44
18,19	0.800	6.010	0.800	1	305.26	-0.15	-0.00	305.26	400.44	0.00	0.00	0.00	146.89
				2	304.54	-0.26	-0.00	304.54	400.44	0.00	0.00	0.00	146.58
				3	305.60	-0.40	-0.00	305.60	400.44	0.00	0.00	0.00	147.03
				4	306.15	-0.17	-0.00	306.15	400.44	0.00	0.00	0.00	147.26
				5	289.01	-0.07	-0.00	289.01	400.44	0.00	0.00	0.00	140.00
				6	287.82	-0.26	-0.00	287.82	400.44	0.00	0.00	0.00	139.49
				7	289.58	-0.48	-0.00	289.58	400.44	0.00	0.00	0.00	140.23
				8	290.50	-0.10	-0.00	290.50	400.44	0.00	0.00	0.00	140.63
				25	229.70	-0.12	-0.00	229.70	400.44	0.00	0.00	0.00	114.86
				26	229.22	-0.20	-0.00	229.22	400.44	0.00	0.00	0.00	114.65
				27	229.93	-0.29	-0.00	229.93	400.44	0.00	0.00	0.00	114.95
				28	230.30	-0.13	-0.00	230.30	400.44	0.00	0.00	0.00	115.11
				29	218.87	-0.07	-0.00	218.87	400.44	0.00	0.00	0.00	110.26
				30	218.07	-0.19	-0.00	218.07	400.44	0.00	0.00	0.00	109.92
				31	219.25	-0.34	-0.00	219.25	400.44	0.00	0.00	0.00	110.42
				32	219.86	-0.08	-0.00	219.86	400.44	0.00	0.00	0.00	110.68
				33	212.49	-0.12	-0.00	212.49	400.44	0.00	0.00	0.00	107.56
				34	208.16	-0.10	-0.00	208.16	400.44	0.00	0.00	0.00	105.72
				35	208.00	-0.13	-0.00	208.00	400.44	0.00	0.00	0.00	105.65
				36	208.23	-0.16	-0.00	208.23	400.44	0.00	0.00	0.00	105.75
				37	208.35	-0.10	-0.00	208.35	400.44	0.00	0.00	0.00	105.81
				38	208.18	-0.11	-0.00	208.18	400.44	0.00	0.00	0.00	105.73
17,18	0.800	6.010	0.800	1	305.40	0.33	0.00	305.40	400.44	0.00	0.00	0.00	146.94
				2	304.55	0.27	0.00	304.55	400.44	0.00	0.00	0.00	146.58
				3	305.45	0.21	0.00	305.45	400.44	0.00	0.00	0.00	146.96
				4	306.29	0.31	0.00	306.29	400.44	0.00	0.00	0.00	147.32
				5	289.25	0.32	0.00	289.25	400.44	0.00	0.00	0.00	140.10
				6	287.82	0.20	0.00	287.82	400.44	0.00	0.00	0.00	139.49
				7	289.32	0.12	0.00	289.32	400.44	0.00	0.00	0.00	140.13
				8	290.73	0.28	0.00	290.73	400.44	0.00	0.00	0.00	140.72
				25	229.79	0.23	0.00	229.79	400.44	0.00	0.00	0.00	114.89
				26	229.22	0.18	0.00	229.22	400.44	0.00	0.00	0.00	114.65
				27	229.82	0.15	0.00	229.82	400.44	0.00	0.00	0.00	114.90
				28	230.38	0.21	0.00	230.38	400.44	0.00	0.00	0.00	115.14
				29	219.02	0.22	0.00	219.02	400.44	0.00	0.00	0.00	110.33
				30	218.07	0.14	0.00	218.07	400.44	0.00	0.00	0.00	109.92
				31	219.07	0.08	0.00	219.07	400.44	0.00	0.00	0.00	110.35
				32	220.01	0.19	0.00	220.01	400.44	0.00	0.00	0.00	110.74
				33	212.59	0.15	0.00	212.59	400.44	0.00	0.00	0.00	107.60
				34	208.28	0.15	0.00	208.28	400.44	0.00	0.00	0.00	105.77
				35	208.09	0.13	0.00	208.09	400.44	0.00	0.00	0.00	105.69
				36	208.29	0.12	0.00	208.29	400.44	0.00	0.00	0.00	105.78
				37	208.47	0.14	0.00	208.47	400.44	0.00	0.00	0.00	105.86
				38	208.28	0.14	0.00	208.28	400.44	0.00	0.00	0.00	105.77
16,17	0.800	6.010	0.800	1	306.69	1.33	0.00	306.69	400.44	0.00	0.00	0.00	147.47
				2	305.73	1.24	0.00	305.73	400.44	0.00	0.00	0.00	147.07
				3	306.65	1.24	0.00	306.65	400.44	0.00	0.00	0.00	147.45
				4	307.61	1.34	0.00	307.61	400.44	0.00	0.00	0.00	147.86
				5	290.19	0.93	0.00	290.19	400.44	0.00	0.00	0.00	140.48
				6	288.60	0.77	0.00	288.60	400.44	0.00	0.00	0.00	139.81
				7	290.12	0.78	0.00	290.12	400.44	0.00	0.00	0.00	140.46
				8	291.72	0.93	0.00	291.72	400.44	0.00	0.00	0.00	141.13
				25	230.66	0.90	0.00	230.66	400.44	0.00	0.00	0.00	115.24
				26	230.03	0.84	0.00	230.03	400.44	0.00	0.00	0.00	114.97
				27	230.64	0.84	0.00	230.64	400.44	0.00	0.00	0.00	115.23
				28	231.28	0.91	0.00	231.28	400.44	0.00	0.00	0.00	115.50
				29	219.66	0.63	0.00	219.66	400.44	0.00	0.00	0.00	110.59
				30	218.60	0.53	0.00	218.60	400.44	0.00	0.00	0.00	110.14
				31	219.62	0.53	0.00	219.62	400.44	0.00	0.00	0.00	110.57
				32	220.68	0.64	0.00	220.68	400.44	0.00	0.00	0.00	111.02
				33	213.05	0.41	0.00	213.05	400.44	0.00	0.00	0.00	107.79

				34	208.65	0.30	0.00	208.65	400.44	0.00	0.00	0.00	105.92
				35	208.44	0.28	0.00	208.44	400.44	0.00	0.00	0.00	105.84
				36	208.64	0.28	0.00	208.64	400.44	0.00	0.00	0.00	105.92
				37	208.85	0.30	0.00	208.85	400.44	0.00	0.00	0.00	106.01
				38	208.65	0.29	0.00	208.65	400.44	0.00	0.00	0.00	105.92
15,16	0.800	6.230	0.800	1	321.98	2.49	0.00	321.98	415.10	0.00	0.00	0.00	154.57
				2	320.77	2.32	0.00	320.77	415.10	0.00	0.00	0.00	154.06
				3	321.78	2.35	0.00	321.78	415.10	0.00	0.00	0.00	154.49
				4	322.98	2.50	0.00	322.98	415.10	0.00	0.00	0.00	155.00
				5	303.53	1.67	0.00	303.53	415.10	0.00	0.00	0.00	146.76
				6	301.51	1.40	0.00	301.51	415.10	0.00	0.00	0.00	145.91
				7	303.20	1.45	0.00	303.20	415.10	0.00	0.00	0.00	146.63
				8	305.21	1.70	0.00	305.21	415.10	0.00	0.00	0.00	147.47
				25	241.86	1.68	0.00	241.86	415.10	0.00	0.00	0.00	120.61
				26	241.05	1.57	0.00	241.05	415.10	0.00	0.00	0.00	120.27
				27	241.73	1.59	0.00	241.73	415.10	0.00	0.00	0.00	120.56
				28	242.53	1.69	0.00	242.53	415.10	0.00	0.00	0.00	120.90
				29	229.56	1.14	0.00	229.56	415.10	0.00	0.00	0.00	115.41
				30	228.22	0.96	0.00	228.22	415.10	0.00	0.00	0.00	114.84
				31	229.34	0.99	0.00	229.34	415.10	0.00	0.00	0.00	115.32
				32	230.68	1.16	0.00	230.68	415.10	0.00	0.00	0.00	115.88
				33	222.04	0.70	0.00	222.04	415.10	0.00	0.00	0.00	112.23
				34	217.13	0.49	0.00	217.13	415.10	0.00	0.00	0.00	110.15
				35	216.86	0.45	0.00	216.86	415.10	0.00	0.00	0.00	110.04
				36	217.09	0.46	0.00	217.09	415.10	0.00	0.00	0.00	110.14
				37	217.35	0.49	0.00	217.35	415.10	0.00	0.00	0.00	110.25
				38	217.11	0.47	0.00	217.11	415.10	0.00	0.00	0.00	110.15
14,15	0.800	6.385	0.800	1	330.04	-1.92	-0.00	330.04	425.42	0.00	0.00	0.00	158.45
				2	328.56	-2.13	-0.00	328.56	425.42	0.00	0.00	0.00	157.82
				3	329.60	-2.30	-0.00	329.60	425.42	0.00	0.00	0.00	158.26
				4	330.94	-2.21	-0.00	330.94	425.42	0.00	0.00	0.00	158.83
				5	311.24	-0.97	-0.00	311.24	425.42	0.00	0.00	0.00	150.50
				6	308.78	-1.32	-0.00	308.78	425.42	0.00	0.00	0.00	149.45
				7	310.51	-1.60	-0.00	310.51	425.42	0.00	0.00	0.00	150.17
				8	312.75	-1.44	-0.00	312.75	425.42	0.00	0.00	0.00	151.13
				25	247.91	-1.30	-0.00	247.91	425.42	0.00	0.00	0.00	123.64
				26	246.92	-1.44	-0.00	246.92	425.42	0.00	0.00	0.00	123.22
				27	247.61	-1.55	-0.00	247.61	425.42	0.00	0.00	0.00	123.51
				28	248.51	-1.49	-0.00	248.51	425.42	0.00	0.00	0.00	123.89
				29	235.38	-0.66	-0.00	235.38	425.42	0.00	0.00	0.00	118.34
				30	233.74	-0.90	-0.00	233.74	425.42	0.00	0.00	0.00	117.64
				31	234.88	-1.08	-0.00	234.88	425.42	0.00	0.00	0.00	118.12
				32	236.38	-0.98	-0.00	236.38	425.42	0.00	0.00	0.00	118.75
				33	227.44	-0.64	-0.00	227.44	425.42	0.00	0.00	0.00	114.97
				34	222.44	-0.37	-0.00	222.44	425.42	0.00	0.00	0.00	112.86
				35	222.11	-0.42	-0.00	222.11	425.42	0.00	0.00	0.00	112.72
				36	222.34	-0.46	-0.00	222.34	425.42	0.00	0.00	0.00	112.82
				37	222.64	-0.44	-0.00	222.64	425.42	0.00	0.00	0.00	112.94
				38	222.37	-0.43	-0.00	222.37	425.42	0.00	0.00	0.00	112.83
1,14	0.800	6.385	0.800	1	321.77	-5.30	-0.00	321.77	425.42	0.00	0.00	0.00	154.88
				2	320.57	-4.49	-0.00	320.57	425.42	0.00	0.00	0.00	154.39
				3	321.71	-4.05	-0.00	321.71	425.42	0.00	0.00	0.00	154.88
				4	322.77	-4.55	-0.00	322.77	425.42	0.00	0.00	0.00	155.32
				5	306.60	-3.09	-0.00	306.60	425.42	0.00	0.00	0.00	148.49
				6	304.60	-1.74	-0.00	304.60	425.42	0.00	0.00	0.00	147.67
				7	306.51	-1.00	-0.00	306.51	425.42	0.00	0.00	0.00	148.49
				8	308.28	-1.84	-0.00	308.28	425.42	0.00	0.00	0.00	149.22
				25	242.36	-3.53	-0.00	242.36	425.42	0.00	0.00	0.00	121.23
				26	241.55	-2.99	-0.00	241.55	425.42	0.00	0.00	0.00	120.90
				27	242.32	-2.69	-0.00	242.32	425.42	0.00	0.00	0.00	121.23
				28	243.02	-3.03	-0.00	243.02	425.42	0.00	0.00	0.00	121.52
				29	232.25	-2.06	-0.00	232.25	425.42	0.00	0.00	0.00	116.98
				30	230.91	-1.15	-0.00	230.91	425.42	0.00	0.00	0.00	116.43
				31	232.18	-0.66	-0.00	232.18	425.42	0.00	0.00	0.00	116.98

				32	233.36	-1.22	-0.00	233.36	425.42	0.00	0.00	0.00	117.47
				33	226.04	-0.06	-0.00	226.04	425.42	0.00	0.00	0.00	114.40
				34	222.00	0.49	0.00	222.00	425.42	0.00	0.00	0.00	112.67
				35	221.73	0.67	0.00	221.73	425.42	0.00	0.00	0.00	112.55
				36	221.99	0.77	0.00	221.99	425.42	0.00	0.00	0.00	112.66
				37	222.22	0.66	0.00	222.22	425.42	0.00	0.00	0.00	112.76
				38	221.98	0.67	0.00	221.98	425.42	0.00	0.00	0.00	112.66
13,1	0.800	1.340	0.800	1	66.97	0.00	0.00	66.97	89.28	0.00	0.00	0.00	32.29
				2	67.12	0.03	0.00	67.12	89.28	0.00	0.00	0.00	32.35
				3	67.61	0.05	0.00	67.61	89.28	0.00	0.00	0.00	32.55
				4	67.60	0.03	0.00	67.60	89.28	0.00	0.00	0.00	32.55
				5	63.94	-0.01	-0.00	63.94	89.28	0.00	0.00	0.00	31.00
				6	64.21	0.04	0.00	64.21	89.28	0.00	0.00	0.00	31.11
				7	65.01	0.07	0.00	65.01	89.28	0.00	0.00	0.00	31.45
				8	65.00	0.04	0.00	65.00	89.28	0.00	0.00	0.00	31.45
				25	50.50	0.00	0.00	50.50	89.28	0.00	0.00	0.00	25.31
				26	50.61	0.02	0.00	50.61	89.28	0.00	0.00	0.00	25.35
				27	50.93	0.03	0.00	50.93	89.28	0.00	0.00	0.00	25.48
				28	50.92	0.02	0.00	50.92	89.28	0.00	0.00	0.00	25.48
				29	48.49	-0.01	-0.00	48.49	89.28	0.00	0.00	0.00	24.45
				30	48.66	0.03	0.00	48.66	89.28	0.00	0.00	0.00	24.52
				31	49.20	0.05	0.00	49.20	89.28	0.00	0.00	0.00	24.75
				32	49.19	0.03	0.00	49.19	89.28	0.00	0.00	0.00	24.75
				33	47.83	0.03	0.00	47.83	89.28	0.00	0.00	0.00	24.17
				34	47.00	0.03	0.00	47.00	89.28	0.00	0.00	0.00	23.82
				35	47.04	0.03	0.00	47.04	89.28	0.00	0.00	0.00	23.84
				36	47.15	0.04	0.00	47.15	89.28	0.00	0.00	0.00	23.88
				37	47.15	0.03	0.00	47.15	89.28	0.00	0.00	0.00	23.88
				38	47.09	0.03	0.00	47.09	89.28	0.00	0.00	0.00	23.86

Verifiche combinazioni di carico dinamiche
Verifica in condizioni **drenate**

Dati terreno

Terreno	LITOTIPO A
Angolo d'attrito φ	25.0 [deg]
Coesione c	0.0 [MPa]
Coesione non drenata c_u	0.1 [MPa]
Carico addizionale di superficie q	0.00 [kN/m^2]
Profondità D	1.000 [m]
Peso proprio terreno γ	18.50 [kN/m^3]

Fattori parziale di sicurezza del terreno verifiche a scorrimento

$\gamma_{R,Scor}$	1.000
$k_1$fattore riduzione di φ	1.000
$k_2$fattore riduzione di c	1.000
$k_3$fattore riduzione di c_u	1.000

Fattori parziale di sicurezza del terreno

$\gamma_{tg\varphi}$	1.000
γ_c	1.000
γ_{cu}	1.000

Fattori parziale di sicurezza

Verifica di capacità portante	2.300
Verifica a scorrimento	1.100

Verifiche

	Legenda
B_{eq}	Base del plinto equivalente
H_{eq}	Altezza del plinto equivalente
$H_{Trasporto}$	Quota azioni esterne rispetto alla sezione di verifica
Comb.	Combinazione di carico
N	Azione verticale
M_x	Momento flettente M_x

M_y	Momento flettente M_y
Q_{Ed}	Carico verticale di progetto
$Q_{Rd,T}$	Capacità portante Terzaghi
$Q_{Rd,M}$	Capacità portante Mejerhoff
$Q_{Rd,EC7}$	Capacità portante EuroCodice 7
$Q_{Rd,V}$	Capacità portante Vesic
$Q_{Rd,T,PP}$	Capacità portante Terzaghi con correzione Paolucci-Pecker
F_x	Azione di scorrimento F_x
F_y	Azione di scorrimento F_y
$H_{Ed,d=\sqrt{Fx,Fy}}$	Azione di scorrimento totale $H_{Ed}= \sqrt{(F_x^2+F_y^2)}$
H_{Rd}	Resistenza allo scorrimento

Elemento	B_{Eq} [m]	H_{Eq} [m]	$H_{Trasporto}$ [m]	Comb.	N [kN]	M_x [kNm]	M_y [kNm]	Q_{Ed} [kN]	$Q_{Rd,T,PP}$ [kN]	$Q_{Rd,V,MN,CI}$ [kN]	F_x [kN]	F_y [kN]	H_{Ed} [kN]	H_{Rd} [kN]
45,54	0.800	1.340	0.800	9	51.65	0.15	0.00	51.65	89.28	94.20	0.00	0.00	0.00	25.78
				10	49.07	0.05	0.00	49.07	89.28	94.45	0.00	0.00	0.00	24.70
				11	51.18	0.12	0.00	51.18	89.28	94.27	0.00	0.00	0.00	25.58
				12	48.61	0.02	0.00	48.61	89.28	94.53	0.00	0.00	0.00	24.50
				13	53.65	0.26	0.00	53.65	89.28	93.94	0.00	0.00	0.00	26.61
				14	52.62	0.24	0.00	52.62	89.28	93.97	0.00	0.00	0.00	26.18
				15	52.79	0.21	0.00	52.79	89.28	94.06	0.00	0.00	0.00	26.25
				16	51.76	0.19	0.00	51.76	89.28	94.08	0.00	0.00	0.00	25.82
				17	48.21	0.10	0.00	48.21	89.28	94.31	0.00	0.00	0.00	24.32
				18	45.63	-0.00	0.00	45.63	89.28	94.57	0.00	0.00	0.00	23.24
				19	47.74	0.07	0.00	47.74	89.28	94.38	0.00	0.00	0.00	24.13
				20	45.17	-0.03	0.00	45.17	89.28	94.49	0.00	0.00	0.00	23.04
				21	45.06	-0.08	0.00	45.06	89.28	94.35	0.00	0.00	0.00	22.99
				22	44.03	-0.09	0.00	44.03	89.28	94.30	0.00	0.00	0.00	22.55
				23	44.20	-0.13	0.00	44.20	89.28	94.20	0.00	0.00	0.00	22.62
				24	43.17	-0.14	0.00	43.17	89.28	94.14	0.00	0.00	0.00	22.18
				39	49.64	0.09	0.00	49.64	89.28	94.33	0.00	0.00	0.00	24.93
				40	48.61	0.05	0.00	48.61	89.28	94.44	0.00	0.00	0.00	24.50
				41	49.46	0.08	0.00	49.46	89.28	94.36	0.00	0.00	0.00	24.86
				42	48.43	0.04	0.00	48.43	89.28	94.46	0.00	0.00	0.00	24.42
				43	50.50	0.14	0.00	50.50	89.28	94.22	0.00	0.00	0.00	25.29
				44	50.12	0.13	0.00	50.12	89.28	94.23	0.00	0.00	0.00	25.13
				45	50.15	0.12	0.00	50.15	89.28	94.26	0.00	0.00	0.00	25.14
				46	49.78	0.11	0.00	49.78	89.28	94.28	0.00	0.00	0.00	24.99
				47	48.39	0.07	0.00	48.39	89.28	94.37	0.00	0.00	0.00	24.40
				48	47.35	0.03	0.00	47.35	89.28	94.48	0.00	0.00	0.00	23.97
				49	48.21	0.06	0.00	48.21	89.28	94.40	0.00	0.00	0.00	24.33
				50	47.18	0.02	0.00	47.18	89.28	94.51	0.00	0.00	0.00	23.89
				51	47.04	0.00	0.00	47.04	89.28	94.57	0.00	0.00	0.00	23.84
				52	46.67	-0.00	0.00	46.67	89.28	94.57	0.00	0.00	0.00	23.68
				53	46.70	-0.02	0.00	46.70	89.28	94.53	0.00	0.00	0.00	23.69
				54	46.32	-0.02	0.00	46.32	89.28	94.51	0.00	0.00	0.00	23.53
36,45	0.800	7.830	0.800	9	288.43	6.02	0.00	288.43	521.70	518.13	0.00	0.00	0.00	144.93
				10	282.22	0.36	0.00	282.22	521.70	520.71	0.00	0.00	0.00	142.41
				11	287.53	5.33	0.00	287.53	521.70	518.44	0.00	0.00	0.00	144.56
				12	281.32	-0.33	0.00	281.32	521.70	520.72	0.00	0.00	0.00	142.03
				13	291.24	11.09	0.00	291.24	521.70	515.88	0.00	0.00	0.00	146.02
				14	287.12	9.51	0.00	287.12	521.70	516.52	0.00	0.00	0.00	144.30
				15	289.59	9.81	0.00	289.59	521.70	516.43	0.00	0.00	0.00	145.34
				16	285.47	8.24	0.00	285.47	521.70	517.08	0.00	0.00	0.00	143.62
				17	274.69	0.78	0.00	274.69	521.70	520.50	0.00	0.00	0.00	139.21
				18	268.48	-4.88	0.00	268.48	521.70	518.49	0.00	0.00	0.00	136.48
				19	273.79	0.09	0.00	273.79	521.70	520.83	0.00	0.00	0.00	138.84
				20	267.58	-5.57	0.00	267.58	521.70	518.14	0.00	0.00	0.00	136.09
				21	270.54	-7.78	0.00	270.54	521.70	517.10	0.00	0.00	0.00	137.30
				22	266.42	-9.35	0.00	266.42	521.70	516.26	0.00	0.00	0.00	135.51
				23	268.89	-9.06	0.00	268.89	521.70	516.45	0.00	0.00	0.00	136.57
				24	264.76	-10.63	0.00	264.76	521.70	515.60	0.00	0.00	0.00	134.78
				39	281.93	2.44	0.00	281.93	521.70	519.74	0.00	0.00	0.00	142.24

				40	279.44	0.17	0.00	279.44	521.70	520.80	0.00	0.00	0.00	141.23
				41	281.59	2.18	0.00	281.59	521.70	519.86	0.00	0.00	0.00	142.10
				42	279.09	-0.10	0.00	279.09	521.70	520.83	0.00	0.00	0.00	141.09
				43	283.25	4.56	0.00	283.25	521.70	518.76	0.00	0.00	0.00	142.76
				44	281.75	3.99	0.00	281.75	521.70	519.02	0.00	0.00	0.00	142.13
				45	282.59	4.05	0.00	282.59	521.70	519.00	0.00	0.00	0.00	142.49
				46	281.08	3.48	0.00	281.08	521.70	519.25	0.00	0.00	0.00	141.86
				47	276.92	0.55	0.00	276.92	521.70	520.61	0.00	0.00	0.00	140.16
				48	274.42	-1.72	0.00	274.42	521.70	520.05	0.00	0.00	0.00	139.07
				49	276.58	0.29	0.00	276.58	521.70	520.74	0.00	0.00	0.00	140.02
				50	274.08	-1.99	0.00	274.08	521.70	519.92	0.00	0.00	0.00	138.92
				51	274.93	-3.02	0.00	274.93	521.70	519.43	0.00	0.00	0.00	139.26
				52	273.42	-3.59	0.00	273.42	521.70	519.15	0.00	0.00	0.00	138.61
				53	274.26	-3.53	0.00	274.26	521.70	519.18	0.00	0.00	0.00	138.97
				54	272.76	-4.10	0.00	272.76	521.70	518.90	0.00	0.00	0.00	138.32
28,36	0.800	2.790	0.800	9	102.15	0.26	0.00	102.15	185.89	189.49	0.00	0.00	0.00	51.41
				10	102.02	-0.12	0.00	102.02	185.89	189.66	0.00	0.00	0.00	51.36
				11	102.19	0.17	0.00	102.19	185.89	189.60	0.00	0.00	0.00	51.43
				12	102.06	-0.20	0.00	102.06	185.89	189.56	0.00	0.00	0.00	51.37
				13	100.90	0.71	0.00	100.90	185.89	188.89	0.00	0.00	0.00	50.85
				14	99.69	0.69	0.00	99.69	185.89	188.90	0.00	0.00	0.00	50.34
				15	100.96	0.56	0.00	100.96	185.89	189.09	0.00	0.00	0.00	50.88
				16	99.76	0.54	0.00	99.76	185.89	189.11	0.00	0.00	0.00	50.38
				17	98.15	0.20	0.00	98.15	185.89	189.55	0.00	0.00	0.00	49.71
				18	98.02	-0.18	0.00	98.02	185.89	189.58	0.00	0.00	0.00	49.66
				19	98.19	0.12	0.00	98.19	185.89	189.66	0.00	0.00	0.00	49.73
				20	98.05	-0.26	0.00	98.05	185.89	189.47	0.00	0.00	0.00	49.67
				21	100.45	-0.55	0.00	100.45	185.89	189.10	0.00	0.00	0.00	50.67
				22	99.24	-0.57	0.00	99.24	185.89	189.07	0.00	0.00	0.00	50.15
				23	100.51	-0.70	0.00	100.51	185.89	188.91	0.00	0.00	0.00	50.69
				24	99.31	-0.72	0.00	99.31	185.89	188.87	0.00	0.00	0.00	50.18
				39	100.86	0.10	0.00	100.86	185.89	189.69	0.00	0.00	0.00	50.87
				40	100.80	-0.05	0.00	100.80	185.89	189.75	0.00	0.00	0.00	50.85
				41	100.87	0.07	0.00	100.87	185.89	189.73	0.00	0.00	0.00	50.87
				42	100.82	-0.08	0.00	100.82	185.89	189.71	0.00	0.00	0.00	50.85
				43	100.40	0.28	0.00	100.40	185.89	189.45	0.00	0.00	0.00	50.66
				44	99.96	0.28	0.00	99.96	185.89	189.45	0.00	0.00	0.00	50.48
				45	100.43	0.22	0.00	100.43	185.89	189.53	0.00	0.00	0.00	50.68
				46	99.99	0.22	0.00	99.99	185.89	189.53	0.00	0.00	0.00	50.49
				47	99.39	0.08	0.00	99.39	185.89	189.72	0.00	0.00	0.00	50.25
				48	99.34	-0.07	0.00	99.34	185.89	189.72	0.00	0.00	0.00	50.22
				49	99.41	0.05	0.00	99.41	185.89	189.76	0.00	0.00	0.00	50.25
				50	99.35	-0.10	0.00	99.35	185.89	189.68	0.00	0.00	0.00	50.23
				51	100.22	-0.22	0.00	100.22	185.89	189.53	0.00	0.00	0.00	50.59
				52	99.78	-0.23	0.00	99.78	185.89	189.52	0.00	0.00	0.00	50.40
				53	100.25	-0.28	0.00	100.25	185.89	189.45	0.00	0.00	0.00	50.60
				54	99.81	-0.29	0.00	99.81	185.89	189.44	0.00	0.00	0.00	50.41
20,28	0.800	7.830	0.800	9	278.77	4.53	0.00	278.77	521.70	518.74	0.00	0.00	0.00	140.86
				10	284.84	-1.48	0.00	284.84	521.70	520.19	0.00	0.00	0.00	143.50
				11	279.67	4.17	0.00	279.67	521.70	518.92	0.00	0.00	0.00	141.25
				12	285.74	-1.84	0.00	285.74	521.70	520.03	0.00	0.00	0.00	143.87
				13	267.16	13.00	0.00	267.16	521.70	514.49	0.00	0.00	0.00	135.75
				14	263.60	14.11	0.00	263.60	521.70	513.85	0.00	0.00	0.00	134.21
				15	268.82	12.33	0.00	268.82	521.70	514.85	0.00	0.00	0.00	136.47
				16	265.26	13.44	0.00	265.26	521.70	514.22	0.00	0.00	0.00	134.93
				17	266.91	8.24	0.00	266.91	521.70	516.82	0.00	0.00	0.00	135.75
				18	272.98	2.23	0.00	272.98	521.70	519.80	0.00	0.00	0.00	138.45
				19	267.81	7.88	0.00	267.81	521.70	517.01	0.00	0.00	0.00	136.14
				20	273.88	1.87	0.00	273.88	521.70	519.98	0.00	0.00	0.00	138.84
				21	287.39	-7.05	0.00	287.39	521.70	517.65	0.00	0.00	0.00	144.46
				22	283.83	-5.94	0.00	283.83	521.70	518.13	0.00	0.00	0.00	142.98
				23	289.05	-7.71	0.00	289.05	521.70	517.37	0.00	0.00	0.00	145.15
				24	285.49	-6.60	0.00	285.49	521.70	517.84	0.00	0.00	0.00	143.67
				39	277.10	3.81	0.00	277.10	521.70	519.07	0.00	0.00	0.00	140.16

				40	279.54	1.39	0.00	279.54	521.70	520.22	0.00	0.00	0.00	141.25
				41	277.44	3.67	0.00	277.44	521.70	519.14	0.00	0.00	0.00	140.31
				42	279.88	1.25	0.00	279.88	521.70	520.29	0.00	0.00	0.00	141.40
				43	272.58	7.16	0.00	272.58	521.70	517.42	0.00	0.00	0.00	138.17
				44	271.28	7.56	0.00	271.28	521.70	517.21	0.00	0.00	0.00	137.61
				45	273.24	6.89	0.00	273.24	521.70	517.56	0.00	0.00	0.00	138.46
				46	271.94	7.30	0.00	271.94	521.70	517.35	0.00	0.00	0.00	137.90
				47	272.77	5.15	0.00	272.77	521.70	518.40	0.00	0.00	0.00	138.30
				48	275.21	2.73	0.00	275.21	521.70	519.57	0.00	0.00	0.00	139.39
				49	273.11	5.01	0.00	273.11	521.70	518.47	0.00	0.00	0.00	138.45
				50	275.55	2.59	0.00	275.55	521.70	519.64	0.00	0.00	0.00	139.53
				51	280.71	-0.90	0.00	280.71	521.70	520.45	0.00	0.00	0.00	141.76
				52	279.41	-0.50	0.00	279.41	521.70	520.64	0.00	0.00	0.00	141.21
				53	281.37	-1.17	0.00	281.37	521.70	520.33	0.00	0.00	0.00	142.03
				54	280.07	-0.77	0.00	280.07	521.70	520.52	0.00	0.00	0.00	141.49
12,20	0.800	1.340	0.800	9	47.45	0.01	0.00	47.45	89.28	94.54	0.00	0.00	0.00	24.01
				10	50.02	-0.09	0.00	50.02	89.28	94.34	0.00	0.00	0.00	25.09
				11	47.87	-0.01	0.00	47.87	89.28	94.54	0.00	0.00	0.00	24.19
				12	50.44	-0.12	0.00	50.44	89.28	94.28	0.00	0.00	0.00	25.27
				13	43.27	0.16	0.00	43.27	89.28	94.09	0.00	0.00	0.00	22.22
				14	42.41	0.17	0.00	42.41	89.28	94.05	0.00	0.00	0.00	21.85
				15	44.05	0.11	0.00	44.05	89.28	94.24	0.00	0.00	0.00	22.55
				16	43.18	0.12	0.00	43.18	89.28	94.20	0.00	0.00	0.00	22.19
				17	44.57	0.05	0.00	44.57	89.28	94.42	0.00	0.00	0.00	22.79
				18	47.14	-0.05	0.00	47.14	89.28	94.43	0.00	0.00	0.00	23.87
				19	44.99	0.03	0.00	44.99	89.28	94.50	0.00	0.00	0.00	22.97
				20	47.56	-0.08	0.00	47.56	89.28	94.37	0.00	0.00	0.00	24.05
				21	51.82	-0.19	0.00	51.82	89.28	94.10	0.00	0.00	0.00	25.85
				22	50.96	-0.18	0.00	50.96	89.28	94.12	0.00	0.00	0.00	25.48
				23	52.60	-0.23	0.00	52.60	89.28	93.99	0.00	0.00	0.00	26.17
				24	51.74	-0.22	0.00	51.74	89.28	94.01	0.00	0.00	0.00	25.81
				39	47.43	-0.01	0.00	47.43	89.28	94.54	0.00	0.00	0.00	24.00
				40	48.46	-0.05	0.00	48.46	89.28	94.43	0.00	0.00	0.00	24.44
				41	47.59	-0.02	0.00	47.59	89.28	94.51	0.00	0.00	0.00	24.07
				42	48.62	-0.06	0.00	48.62	89.28	94.40	0.00	0.00	0.00	24.50
				43	45.78	0.05	0.00	45.78	89.28	94.45	0.00	0.00	0.00	23.30
				44	45.47	0.05	0.00	45.47	89.28	94.43	0.00	0.00	0.00	23.17
				45	46.09	0.03	0.00	46.09	89.28	94.50	0.00	0.00	0.00	23.43
				46	45.78	0.03	0.00	45.78	89.28	94.49	0.00	0.00	0.00	23.30
				47	46.38	0.00	0.00	46.38	89.28	94.57	0.00	0.00	0.00	23.56
				48	47.41	-0.04	0.00	47.41	89.28	94.46	0.00	0.00	0.00	23.99
				49	46.54	-0.01	0.00	46.54	89.28	94.55	0.00	0.00	0.00	23.63
				50	47.58	-0.05	0.00	47.58	89.28	94.44	0.00	0.00	0.00	24.06
				51	49.23	-0.09	0.00	49.23	89.28	94.33	0.00	0.00	0.00	24.76
				52	48.91	-0.09	0.00	48.91	89.28	94.34	0.00	0.00	0.00	24.62
				53	49.54	-0.11	0.00	49.54	89.28	94.28	0.00	0.00	0.00	24.89
				54	49.22	-0.11	0.00	49.22	89.28	94.29	0.00	0.00	0.00	24.75
44,53	0.800	1.340	0.800	9	48.73	0.12	0.00	48.73	89.28	94.26	0.00	0.00	0.00	24.54
				10	47.13	0.04	0.00	47.13	89.28	94.45	0.00	0.00	0.00	23.87
				11	48.36	0.10	0.00	48.36	89.28	94.31	0.00	0.00	0.00	24.39
				12	46.75	0.02	0.00	46.75	89.28	94.51	0.00	0.00	0.00	23.71
				13	50.85	0.22	0.00	50.85	89.28	94.02	0.00	0.00	0.00	25.43
				14	50.92	0.22	0.00	50.92	89.28	94.02	0.00	0.00	0.00	25.46
				15	50.16	0.18	0.00	50.16	89.28	94.11	0.00	0.00	0.00	25.14
				16	50.24	0.18	0.00	50.24	89.28	94.11	0.00	0.00	0.00	25.17
				17	48.98	0.12	0.00	48.98	89.28	94.25	0.00	0.00	0.00	24.65
				18	47.37	0.05	0.00	47.37	89.28	94.45	0.00	0.00	0.00	23.97
				19	48.61	0.10	0.00	48.61	89.28	94.31	0.00	0.00	0.00	24.49
				20	47.00	0.02	0.00	47.00	89.28	94.51	0.00	0.00	0.00	23.82
				21	45.50	-0.03	0.00	45.50	89.28	94.48	0.00	0.00	0.00	23.18
				22	45.57	-0.03	0.00	45.57	89.28	94.48	0.00	0.00	0.00	23.21
				23	44.81	-0.07	0.00	44.81	89.28	94.36	0.00	0.00	0.00	22.88
				24	44.88	-0.07	0.00	44.88	89.28	94.36	0.00	0.00	0.00	22.91
				39	48.21	0.09	0.00	48.21	89.28	94.33	0.00	0.00	0.00	24.33

				40	47.57	0.06	0.00	47.57	89.28	94.41	0.00	0.00	0.00	24.05
				41	48.07	0.08	0.00	48.07	89.28	94.35	0.00	0.00	0.00	24.27
				42	47.42	0.05	0.00	47.42	89.28	94.43	0.00	0.00	0.00	24.00
				43	49.07	0.13	0.00	49.07	89.28	94.23	0.00	0.00	0.00	24.68
				44	49.10	0.13	0.00	49.10	89.28	94.23	0.00	0.00	0.00	24.70
				45	48.79	0.11	0.00	48.79	89.28	94.27	0.00	0.00	0.00	24.57
				46	48.82	0.11	0.00	48.82	89.28	94.27	0.00	0.00	0.00	24.58
				47	48.31	0.09	0.00	48.31	89.28	94.33	0.00	0.00	0.00	24.37
				48	47.66	0.06	0.00	47.66	89.28	94.41	0.00	0.00	0.00	24.09
				49	48.16	0.08	0.00	48.16	89.28	94.35	0.00	0.00	0.00	24.31
				50	47.52	0.05	0.00	47.52	89.28	94.43	0.00	0.00	0.00	24.03
				51	46.91	0.03	0.00	46.91	89.28	94.50	0.00	0.00	0.00	23.78
				52	46.94	0.03	0.00	46.94	89.28	94.50	0.00	0.00	0.00	23.79
				53	46.63	0.01	0.00	46.63	89.28	94.54	0.00	0.00	0.00	23.67
				54	46.66	0.01	0.00	46.66	89.28	94.54	0.00	0.00	0.00	23.68
35,44	0.800	7.830	0.800	9	273.17	6.34	0.00	273.17	521.70	517.83	0.00	0.00	0.00	138.45
				10	268.66	4.86	0.00	268.66	521.70	518.50	0.00	0.00	0.00	136.56
				11	272.21	6.16	0.00	272.21	521.70	517.90	0.00	0.00	0.00	138.04
				12	267.69	4.68	0.00	267.69	521.70	518.58	0.00	0.00	0.00	136.16
				13	279.64	7.78	0.00	279.64	521.70	517.22	0.00	0.00	0.00	141.16
				14	280.32	7.47	0.00	280.32	521.70	517.37	0.00	0.00	0.00	141.46
				15	277.86	7.44	0.00	277.86	521.70	517.36	0.00	0.00	0.00	140.41
				16	278.54	7.13	0.00	278.54	521.70	517.51	0.00	0.00	0.00	140.71
				17	275.44	5.31	0.00	275.44	521.70	518.34	0.00	0.00	0.00	139.43
				18	270.92	3.83	0.00	270.92	521.70	519.02	0.00	0.00	0.00	137.54
				19	274.47	5.13	0.00	274.47	521.70	518.42	0.00	0.00	0.00	139.02
				20	269.96	3.65	0.00	269.96	521.70	519.10	0.00	0.00	0.00	137.14
				21	264.59	2.85	0.00	264.59	521.70	519.46	0.00	0.00	0.00	134.88
				22	265.27	2.54	0.00	265.27	521.70	519.62	0.00	0.00	0.00	135.18
				23	262.81	2.52	0.00	262.81	521.70	519.62	0.00	0.00	0.00	134.13
				24	263.49	2.21	0.00	263.49	521.70	519.78	0.00	0.00	0.00	134.43
				39	272.25	5.51	0.00	272.25	521.70	518.22	0.00	0.00	0.00	138.07
				40	270.42	4.92	0.00	270.42	521.70	518.49	0.00	0.00	0.00	137.31
				41	271.88	5.44	0.00	271.88	521.70	518.25	0.00	0.00	0.00	137.91
				42	270.05	4.85	0.00	270.05	521.70	518.52	0.00	0.00	0.00	137.15
				43	274.83	6.11	0.00	274.83	521.70	517.96	0.00	0.00	0.00	139.16
				44	275.08	6.00	0.00	275.08	521.70	518.01	0.00	0.00	0.00	139.26
				45	274.12	5.97	0.00	274.12	521.70	518.01	0.00	0.00	0.00	138.86
				46	274.37	5.86	0.00	274.37	521.70	518.07	0.00	0.00	0.00	138.96
				47	273.08	5.14	0.00	273.08	521.70	518.40	0.00	0.00	0.00	138.43
				48	271.26	4.55	0.00	271.26	521.70	518.67	0.00	0.00	0.00	137.67
				49	272.71	5.07	0.00	272.71	521.70	518.43	0.00	0.00	0.00	138.28
				50	270.89	4.48	0.00	270.89	521.70	518.71	0.00	0.00	0.00	137.51
				51	268.76	4.13	0.00	268.76	521.70	518.86	0.00	0.00	0.00	136.62
				52	269.01	4.02	0.00	269.01	521.70	518.92	0.00	0.00	0.00	136.73
				53	268.05	3.99	0.00	268.05	521.70	518.92	0.00	0.00	0.00	136.32
				54	268.30	3.88	0.00	268.30	521.70	518.98	0.00	0.00	0.00	136.43
27,35	0.800	2.790	0.800	9	96.23	0.29	0.00	96.23	185.89	189.42	0.00	0.00	0.00	48.89
				10	96.16	-0.20	0.00	96.16	185.89	189.55	0.00	0.00	0.00	48.87
				11	96.23	0.17	0.00	96.23	185.89	189.59	0.00	0.00	0.00	48.90
				12	96.15	-0.32	0.00	96.15	185.89	189.38	0.00	0.00	0.00	48.86
				13	96.69	0.92	0.00	96.69	185.89	188.57	0.00	0.00	0.00	49.05
				14	96.99	0.92	0.00	96.99	185.89	188.57	0.00	0.00	0.00	49.18
				15	96.68	0.69	0.00	96.68	185.89	188.88	0.00	0.00	0.00	49.06
				16	96.99	0.70	0.00	96.99	185.89	188.88	0.00	0.00	0.00	49.19
				17	97.25	0.30	0.00	97.25	185.89	189.42	0.00	0.00	0.00	49.33
				18	97.17	-0.20	0.00	97.17	185.89	189.56	0.00	0.00	0.00	49.30
				19	97.25	0.17	0.00	97.25	185.89	189.59	0.00	0.00	0.00	49.33
				20	97.17	-0.32	0.00	97.17	185.89	189.39	0.00	0.00	0.00	49.29
				21	96.42	-0.72	0.00	96.42	185.89	188.84	0.00	0.00	0.00	48.95
				22	96.73	-0.72	0.00	96.73	185.89	188.84	0.00	0.00	0.00	49.08
				23	96.41	-0.95	0.00	96.41	185.89	188.53	0.00	0.00	0.00	48.93
				24	96.72	-0.95	0.00	96.72	185.89	188.53	0.00	0.00	0.00	49.06
				39	96.53	0.11	0.00	96.53	185.89	189.67	0.00	0.00	0.00	49.03

				40	96.50	-0.09	0.00	96.50	185.89	189.70	0.00	0.00	0.00	49.02
				41	96.53	0.06	0.00	96.53	185.89	189.74	0.00	0.00	0.00	49.03
				42	96.50	-0.14	0.00	96.50	185.89	189.63	0.00	0.00	0.00	49.02
				43	96.70	0.36	0.00	96.70	185.89	189.33	0.00	0.00	0.00	49.09
				44	96.81	0.36	0.00	96.81	185.89	189.33	0.00	0.00	0.00	49.14
				45	96.70	0.27	0.00	96.70	185.89	189.45	0.00	0.00	0.00	49.09
				46	96.81	0.27	0.00	96.81	185.89	189.45	0.00	0.00	0.00	49.14
				47	96.91	0.11	0.00	96.91	185.89	189.67	0.00	0.00	0.00	49.19
				48	96.87	-0.09	0.00	96.87	185.89	189.70	0.00	0.00	0.00	49.18
				49	96.91	0.06	0.00	96.91	185.89	189.73	0.00	0.00	0.00	49.19
				50	96.87	-0.14	0.00	96.87	185.89	189.64	0.00	0.00	0.00	49.17
				51	96.59	-0.30	0.00	96.59	185.89	189.41	0.00	0.00	0.00	49.05
				52	96.71	-0.30	0.00	96.71	185.89	189.41	0.00	0.00	0.00	49.09
				53	96.59	-0.39	0.00	96.59	185.89	189.29	0.00	0.00	0.00	49.04
				54	96.70	-0.39	0.00	96.70	185.89	189.29	0.00	0.00	0.00	49.09
19,27	0.800	7.830	0.800	9	265.40	0.16	0.00	265.40	521.70	520.80	0.00	0.00	0.00	135.28
				10	270.17	-1.89	0.00	270.17	521.70	519.96	0.00	0.00	0.00	137.27
				11	266.36	-0.05	0.00	266.36	521.70	520.85	0.00	0.00	0.00	135.69
				12	271.14	-2.10	0.00	271.14	521.70	519.86	0.00	0.00	0.00	137.67
				13	260.21	3.06	0.00	260.21	521.70	519.33	0.00	0.00	0.00	133.02
				14	260.89	3.43	0.00	260.89	521.70	519.15	0.00	0.00	0.00	133.30
				15	261.99	2.67	0.00	261.99	521.70	519.54	0.00	0.00	0.00	133.78
				16	262.67	3.04	0.00	262.67	521.70	519.36	0.00	0.00	0.00	134.06
				17	267.65	1.39	0.00	267.65	521.70	520.20	0.00	0.00	0.00	136.21
				18	272.43	-0.66	0.00	272.43	521.70	520.56	0.00	0.00	0.00	138.25
				19	268.62	1.17	0.00	268.62	521.70	520.30	0.00	0.00	0.00	136.62
				20	273.39	-0.87	0.00	273.39	521.70	520.46	0.00	0.00	0.00	138.66
				21	276.13	-3.75	0.00	276.13	521.70	519.09	0.00	0.00	0.00	139.75
				22	276.80	-3.38	0.00	276.80	521.70	519.27	0.00	0.00	0.00	140.05
				23	277.91	-4.14	0.00	277.91	521.70	518.92	0.00	0.00	0.00	140.50
				24	278.58	-3.77	0.00	278.58	521.70	519.10	0.00	0.00	0.00	140.80
				39	267.83	-0.12	0.00	267.83	521.70	520.82	0.00	0.00	0.00	136.31
				40	269.75	-0.95	0.00	269.75	521.70	520.42	0.00	0.00	0.00	137.11
				41	268.20	-0.20	0.00	268.20	521.70	520.78	0.00	0.00	0.00	136.47
				42	270.12	-1.03	0.00	270.12	521.70	520.38	0.00	0.00	0.00	137.27
				43	265.71	1.03	0.00	265.71	521.70	520.37	0.00	0.00	0.00	135.39
				44	265.96	1.16	0.00	265.96	521.70	520.30	0.00	0.00	0.00	135.50
				45	266.42	0.88	0.00	266.42	521.70	520.44	0.00	0.00	0.00	135.70
				46	266.68	1.01	0.00	266.68	521.70	520.38	0.00	0.00	0.00	135.80
				47	268.67	0.32	0.00	268.67	521.70	520.72	0.00	0.00	0.00	136.66
				48	270.59	-0.51	0.00	270.59	521.70	520.63	0.00	0.00	0.00	137.47
				49	269.04	0.24	0.00	269.04	521.70	520.76	0.00	0.00	0.00	136.82
				50	270.96	-0.59	0.00	270.96	521.70	520.59	0.00	0.00	0.00	137.63
				51	272.12	-1.72	0.00	272.12	521.70	520.05	0.00	0.00	0.00	138.10
				52	272.37	-1.59	0.00	272.37	521.70	520.11	0.00	0.00	0.00	138.21
				53	272.83	-1.87	0.00	272.83	521.70	519.97	0.00	0.00	0.00	138.40
				54	273.08	-1.74	0.00	273.08	521.70	520.04	0.00	0.00	0.00	138.50
11,19	0.800	1.340	0.800	9	45.53	0.01	0.00	45.53	89.28	94.54	0.00	0.00	0.00	23.20
				10	47.24	-0.07	0.00	47.24	89.28	94.39	0.00	0.00	0.00	23.92
				11	45.91	-0.01	0.00	45.91	89.28	94.55	0.00	0.00	0.00	23.36
				12	47.61	-0.09	0.00	47.61	89.28	94.34	0.00	0.00	0.00	24.07
				13	43.46	0.11	0.00	43.46	89.28	94.23	0.00	0.00	0.00	22.31
				14	43.53	0.11	0.00	43.53	89.28	94.24	0.00	0.00	0.00	22.34
				15	44.15	0.07	0.00	44.15	89.28	94.35	0.00	0.00	0.00	22.61
				16	44.22	0.07	0.00	44.22	89.28	94.36	0.00	0.00	0.00	22.63
				17	45.75	0.01	0.00	45.75	89.28	94.55	0.00	0.00	0.00	23.29
				18	47.46	-0.07	0.00	47.46	89.28	94.39	0.00	0.00	0.00	24.01
				19	46.13	-0.01	0.00	46.13	89.28	94.55	0.00	0.00	0.00	23.45
				20	47.83	-0.09	0.00	47.83	89.28	94.33	0.00	0.00	0.00	24.17
				21	49.15	-0.15	0.00	49.15	89.28	94.18	0.00	0.00	0.00	24.72
				22	49.21	-0.15	0.00	49.21	89.28	94.17	0.00	0.00	0.00	24.74
				23	49.84	-0.19	0.00	49.84	89.28	94.08	0.00	0.00	0.00	25.00
				24	49.91	-0.19	0.00	49.91	89.28	94.08	0.00	0.00	0.00	25.03
				39	46.23	-0.02	0.00	46.23	89.28	94.53	0.00	0.00	0.00	23.49

				40	46.91	-0.05	0.00	46.91	89.28	94.44	0.00	0.00	0.00	23.78
				41	46.37	-0.03	0.00	46.37	89.28	94.50	0.00	0.00	0.00	23.55
				42	47.06	-0.06	0.00	47.06	89.28	94.42	0.00	0.00	0.00	23.84
				43	45.38	0.02	0.00	45.38	89.28	94.51	0.00	0.00	0.00	23.13
				44	45.41	0.02	0.00	45.41	89.28	94.51	0.00	0.00	0.00	23.15
				45	45.66	0.01	0.00	45.66	89.28	94.55	0.00	0.00	0.00	23.25
				46	45.69	0.01	0.00	45.69	89.28	94.56	0.00	0.00	0.00	23.26
				47	46.31	-0.02	0.00	46.31	89.28	94.52	0.00	0.00	0.00	23.53
				48	47.00	-0.05	0.00	47.00	89.28	94.43	0.00	0.00	0.00	23.82
				49	46.45	-0.03	0.00	46.45	89.28	94.50	0.00	0.00	0.00	23.59
				50	47.14	-0.06	0.00	47.14	89.28	94.41	0.00	0.00	0.00	23.88
				51	47.68	-0.08	0.00	47.68	89.28	94.35	0.00	0.00	0.00	24.10
				52	47.71	-0.08	0.00	47.71	89.28	94.35	0.00	0.00	0.00	24.11
				53	47.96	-0.10	0.00	47.96	89.28	94.31	0.00	0.00	0.00	24.22
				54	47.98	-0.10	0.00	47.98	89.28	94.30	0.00	0.00	0.00	24.23
43,52	0.800	1.340	0.800	9	48.60	0.12	0.00	48.60	89.28	94.26	0.00	0.00	0.00	24.48
				10	47.19	0.05	0.00	47.19	89.28	94.44	0.00	0.00	0.00	23.90
				11	48.38	0.11	0.00	48.38	89.28	94.29	0.00	0.00	0.00	24.40
				12	46.98	0.04	0.00	46.98	89.28	94.47	0.00	0.00	0.00	23.81
				13	50.41	0.20	0.00	50.41	89.28	94.05	0.00	0.00	0.00	25.24
				14	50.47	0.20	0.00	50.47	89.28	94.05	0.00	0.00	0.00	25.27
				15	50.02	0.18	0.00	50.02	89.28	94.11	0.00	0.00	0.00	25.08
				16	50.08	0.18	0.00	50.08	89.28	94.11	0.00	0.00	0.00	25.11
				17	48.82	0.12	0.00	48.82	89.28	94.26	0.00	0.00	0.00	24.58
				18	47.41	0.05	0.00	47.41	89.28	94.44	0.00	0.00	0.00	23.99
				19	48.61	0.11	0.00	48.61	89.28	94.29	0.00	0.00	0.00	24.49
				20	47.20	0.04	0.00	47.20	89.28	94.47	0.00	0.00	0.00	23.90
				21	45.71	-0.02	0.00	45.71	89.28	94.51	0.00	0.00	0.00	23.27
				22	45.78	-0.02	0.00	45.78	89.28	94.51	0.00	0.00	0.00	23.30
				23	45.32	-0.05	0.00	45.32	89.28	94.44	0.00	0.00	0.00	23.10
				24	45.39	-0.05	0.00	45.39	89.28	94.44	0.00	0.00	0.00	23.13
				39	48.18	0.09	0.00	48.18	89.28	94.32	0.00	0.00	0.00	24.31
				40	47.61	0.07	0.00	47.61	89.28	94.39	0.00	0.00	0.00	24.07
				41	48.10	0.09	0.00	48.10	89.28	94.33	0.00	0.00	0.00	24.28
				42	47.53	0.06	0.00	47.53	89.28	94.41	0.00	0.00	0.00	24.04
				43	48.91	0.13	0.00	48.91	89.28	94.23	0.00	0.00	0.00	24.62
				44	48.93	0.13	0.00	48.93	89.28	94.23	0.00	0.00	0.00	24.63
				45	48.75	0.12	0.00	48.75	89.28	94.26	0.00	0.00	0.00	24.55
				46	48.78	0.12	0.00	48.78	89.28	94.26	0.00	0.00	0.00	24.56
				47	48.26	0.09	0.00	48.26	89.28	94.32	0.00	0.00	0.00	24.35
				48	47.69	0.07	0.00	47.69	89.28	94.39	0.00	0.00	0.00	24.11
				49	48.18	0.09	0.00	48.18	89.28	94.33	0.00	0.00	0.00	24.31
				50	47.61	0.06	0.00	47.61	89.28	94.41	0.00	0.00	0.00	24.07
				51	47.02	0.04	0.00	47.02	89.28	94.47	0.00	0.00	0.00	23.82
				52	47.04	0.04	0.00	47.04	89.28	94.47	0.00	0.00	0.00	23.83
				53	46.86	0.03	0.00	46.86	89.28	94.50	0.00	0.00	0.00	23.76
				54	46.88	0.03	0.00	46.88	89.28	94.50	0.00	0.00	0.00	23.77
34,43	0.800	7.830	0.800	9	272.50	6.64	0.00	272.50	521.70	517.68	0.00	0.00	0.00	138.16
				10	268.32	5.85	0.00	268.32	521.70	518.01	0.00	0.00	0.00	136.40
				11	271.90	6.65	0.00	271.90	521.70	517.66	0.00	0.00	0.00	137.90
				12	267.72	5.86	0.00	267.72	521.70	518.00	0.00	0.00	0.00	136.14
				13	278.07	7.55	0.00	278.07	521.70	517.31	0.00	0.00	0.00	140.50
				14	278.43	7.55	0.00	278.43	521.70	517.31	0.00	0.00	0.00	140.65
				15	276.96	7.57	0.00	276.96	521.70	517.28	0.00	0.00	0.00	140.03
				16	277.32	7.57	0.00	277.32	521.70	517.29	0.00	0.00	0.00	140.18
				17	273.72	6.64	0.00	273.72	521.70	517.69	0.00	0.00	0.00	138.67
				18	269.54	5.85	0.00	269.54	521.70	518.03	0.00	0.00	0.00	136.91
				19	273.12	6.65	0.00	273.12	521.70	517.68	0.00	0.00	0.00	138.42
				20	268.94	5.86	0.00	268.94	521.70	518.01	0.00	0.00	0.00	136.66
				21	264.12	4.93	0.00	264.12	521.70	518.43	0.00	0.00	0.00	134.63
				22	264.49	4.93	0.00	264.49	521.70	518.43	0.00	0.00	0.00	134.79
				23	263.01	4.95	0.00	263.01	521.70	518.40	0.00	0.00	0.00	134.16
				24	263.38	4.95	0.00	263.38	521.70	518.41	0.00	0.00	0.00	134.32
				39	271.46	6.41	0.00	271.46	521.70	517.78	0.00	0.00	0.00	137.72

				40	269.77	6.09	0.00	269.77	521.70	517.91	0.00	0.00	0.00	137.01
				41	271.23	6.41	0.00	271.23	521.70	517.77	0.00	0.00	0.00	137.62
				42	269.54	6.09	0.00	269.54	521.70	517.91	0.00	0.00	0.00	136.91
				43	273.69	6.78	0.00	273.69	521.70	517.62	0.00	0.00	0.00	138.66
				44	273.83	6.78	0.00	273.83	521.70	517.63	0.00	0.00	0.00	138.71
				45	273.25	6.79	0.00	273.25	521.70	517.61	0.00	0.00	0.00	138.47
				46	273.38	6.79	0.00	273.38	521.70	517.62	0.00	0.00	0.00	138.52
				47	271.90	6.41	0.00	271.90	521.70	517.78	0.00	0.00	0.00	137.91
				48	270.21	6.09	0.00	270.21	521.70	517.92	0.00	0.00	0.00	137.19
				49	271.67	6.41	0.00	271.67	521.70	517.78	0.00	0.00	0.00	137.81
				50	269.98	6.09	0.00	269.98	521.70	517.91	0.00	0.00	0.00	137.10
				51	268.06	5.71	0.00	268.06	521.70	518.08	0.00	0.00	0.00	136.29
				52	268.19	5.71	0.00	268.19	521.70	518.08	0.00	0.00	0.00	136.35
				53	267.62	5.72	0.00	267.62	521.70	518.07	0.00	0.00	0.00	136.10
				54	267.75	5.72	0.00	267.75	521.70	518.07	0.00	0.00	0.00	136.16
26,34	0.800	2.790	0.800	9	95.93	0.27	0.00	95.93	185.89	189.45	0.00	0.00	0.00	48.77
				10	95.84	-0.22	0.00	95.84	185.89	189.52	0.00	0.00	0.00	48.73
				11	95.91	0.19	0.00	95.91	185.89	189.56	0.00	0.00	0.00	48.76
				12	95.83	-0.30	0.00	95.83	185.89	189.41	0.00	0.00	0.00	48.72
				13	96.20	0.88	0.00	96.20	185.89	188.62	0.00	0.00	0.00	48.84
				14	96.33	0.88	0.00	96.33	185.89	188.62	0.00	0.00	0.00	48.90
				15	96.17	0.73	0.00	96.17	185.89	188.82	0.00	0.00	0.00	48.84
				16	96.31	0.73	0.00	96.31	185.89	188.82	0.00	0.00	0.00	48.90
				17	96.39	0.27	0.00	96.39	185.89	189.45	0.00	0.00	0.00	48.96
				18	96.30	-0.22	0.00	96.30	185.89	189.52	0.00	0.00	0.00	48.93
				19	96.37	0.19	0.00	96.37	185.89	189.56	0.00	0.00	0.00	48.96
				20	96.29	-0.30	0.00	96.29	185.89	189.41	0.00	0.00	0.00	48.92
				21	95.90	-0.76	0.00	95.90	185.89	188.78	0.00	0.00	0.00	48.73
				22	96.04	-0.76	0.00	96.04	185.89	188.79	0.00	0.00	0.00	48.78
				23	95.88	-0.91	0.00	95.88	185.89	188.58	0.00	0.00	0.00	48.71
				24	96.02	-0.91	0.00	96.02	185.89	188.58	0.00	0.00	0.00	48.76
				39	96.04	0.10	0.00	96.04	185.89	189.68	0.00	0.00	0.00	48.82
				40	96.01	-0.10	0.00	96.01	185.89	189.69	0.00	0.00	0.00	48.81
				41	96.04	0.07	0.00	96.04	185.89	189.73	0.00	0.00	0.00	48.82
				42	96.00	-0.13	0.00	96.00	185.89	189.64	0.00	0.00	0.00	48.81
				43	96.15	0.35	0.00	96.15	185.89	189.35	0.00	0.00	0.00	48.85
				44	96.20	0.35	0.00	96.20	185.89	189.35	0.00	0.00	0.00	48.87
				45	96.14	0.29	0.00	96.14	185.89	189.43	0.00	0.00	0.00	48.85
				46	96.19	0.29	0.00	96.19	185.89	189.43	0.00	0.00	0.00	48.87
				47	96.21	0.10	0.00	96.21	185.89	189.68	0.00	0.00	0.00	48.90
				48	96.18	-0.10	0.00	96.18	185.89	189.69	0.00	0.00	0.00	48.88
				49	96.21	0.07	0.00	96.21	185.89	189.72	0.00	0.00	0.00	48.90
				50	96.17	-0.13	0.00	96.17	185.89	189.65	0.00	0.00	0.00	48.88
				51	96.03	-0.31	0.00	96.03	185.89	189.39	0.00	0.00	0.00	48.81
				52	96.08	-0.31	0.00	96.08	185.89	189.39	0.00	0.00	0.00	48.83
				53	96.02	-0.37	0.00	96.02	185.89	189.31	0.00	0.00	0.00	48.80
				54	96.07	-0.37	0.00	96.07	185.89	189.31	0.00	0.00	0.00	48.82
18,26	0.800	7.830	0.800	9	265.34	-0.56	0.00	265.34	521.70	520.60	0.00	0.00	0.00	135.25
				10	269.75	-1.98	0.00	269.75	521.70	519.91	0.00	0.00	0.00	137.09
				11	265.94	-0.66	0.00	265.94	521.70	520.55	0.00	0.00	0.00	135.50
				12	270.35	-2.08	0.00	270.35	521.70	519.86	0.00	0.00	0.00	137.34
				13	260.33	1.19	0.00	260.33	521.70	520.28	0.00	0.00	0.00	133.11
				14	260.65	1.22	0.00	260.65	521.70	520.26	0.00	0.00	0.00	133.25
				15	261.43	1.00	0.00	261.43	521.70	520.37	0.00	0.00	0.00	133.58
				16	261.76	1.04	0.00	261.76	521.70	520.36	0.00	0.00	0.00	133.72
				17	266.43	-0.45	0.00	266.43	521.70	520.66	0.00	0.00	0.00	135.71
				18	270.83	-1.87	0.00	270.83	521.70	519.97	0.00	0.00	0.00	137.55
				19	267.02	-0.54	0.00	267.02	521.70	520.61	0.00	0.00	0.00	135.96
				20	271.43	-1.97	0.00	271.43	521.70	519.92	0.00	0.00	0.00	137.80
				21	275.02	-3.57	0.00	275.02	521.70	519.17	0.00	0.00	0.00	139.29
				22	275.35	-3.53	0.00	275.35	521.70	519.19	0.00	0.00	0.00	139.43
				23	276.12	-3.75	0.00	276.12	521.70	519.09	0.00	0.00	0.00	139.75
				24	276.45	-3.71	0.00	276.45	521.70	519.11	0.00	0.00	0.00	139.89
				39	267.19	-0.98	0.00	267.19	521.70	520.40	0.00	0.00	0.00	136.02

				40	268.97	-1.55	0.00	268.97	521.70	520.12	0.00	0.00	0.00	136.76
				41	267.42	-1.01	0.00	267.42	521.70	520.38	0.00	0.00	0.00	136.12
				42	269.19	-1.59	0.00	269.19	521.70	520.10	0.00	0.00	0.00	136.86
				43	265.15	-0.27	0.00	265.15	521.70	520.74	0.00	0.00	0.00	135.17
				44	265.27	-0.26	0.00	265.27	521.70	520.75	0.00	0.00	0.00	135.22
				45	265.59	-0.34	0.00	265.59	521.70	520.71	0.00	0.00	0.00	135.36
				46	265.71	-0.33	0.00	265.71	521.70	520.71	0.00	0.00	0.00	135.41
				47	267.58	-0.94	0.00	267.58	521.70	520.42	0.00	0.00	0.00	136.19
				48	269.36	-1.51	0.00	269.36	521.70	520.14	0.00	0.00	0.00	136.93
				49	267.81	-0.97	0.00	267.81	521.70	520.40	0.00	0.00	0.00	136.29
				50	269.59	-1.55	0.00	269.59	521.70	520.12	0.00	0.00	0.00	137.03
				51	271.07	-2.20	0.00	271.07	521.70	519.81	0.00	0.00	0.00	137.64
				52	271.19	-2.19	0.00	271.19	521.70	519.82	0.00	0.00	0.00	137.69
				53	271.51	-2.27	0.00	271.51	521.70	519.78	0.00	0.00	0.00	137.83
				54	271.63	-2.26	0.00	271.63	521.70	519.78	0.00	0.00	0.00	137.88
10,18	0.800	1.340	0.800	9	45.66	0.00	0.00	45.66	89.28	94.57	0.00	0.00	0.00	23.25
				10	47.18	-0.07	0.00	47.18	89.28	94.38	0.00	0.00	0.00	23.89
				11	45.89	-0.01	0.00	45.89	89.28	94.54	0.00	0.00	0.00	23.35
				12	47.41	-0.08	0.00	47.41	89.28	94.34	0.00	0.00	0.00	23.98
				13	43.86	0.09	0.00	43.86	89.28	94.31	0.00	0.00	0.00	22.48
				14	43.91	0.09	0.00	43.91	89.28	94.31	0.00	0.00	0.00	22.50
				15	44.28	0.07	0.00	44.28	89.28	94.38	0.00	0.00	0.00	22.66
				16	44.33	0.07	0.00	44.33	89.28	94.38	0.00	0.00	0.00	22.68
				17	45.85	0.00	0.00	45.85	89.28	94.57	0.00	0.00	0.00	23.33
				18	47.36	-0.07	0.00	47.36	89.28	94.38	0.00	0.00	0.00	23.97
				19	46.07	-0.01	0.00	46.07	89.28	94.54	0.00	0.00	0.00	23.43
				20	47.59	-0.08	0.00	47.59	89.28	94.34	0.00	0.00	0.00	24.06
				21	48.92	-0.15	0.00	48.92	89.28	94.17	0.00	0.00	0.00	24.62
				22	48.98	-0.15	0.00	48.98	89.28	94.17	0.00	0.00	0.00	24.64
				23	49.34	-0.17	0.00	49.34	89.28	94.12	0.00	0.00	0.00	24.79
				24	49.39	-0.17	0.00	49.39	89.28	94.12	0.00	0.00	0.00	24.82
				39	46.24	-0.02	0.00	46.24	89.28	94.51	0.00	0.00	0.00	23.50
				40	46.86	-0.05	0.00	46.86	89.28	94.43	0.00	0.00	0.00	23.75
				41	46.33	-0.03	0.00	46.33	89.28	94.49	0.00	0.00	0.00	23.53
				42	46.94	-0.06	0.00	46.94	89.28	94.41	0.00	0.00	0.00	23.79
				43	45.51	0.01	0.00	45.51	89.28	94.54	0.00	0.00	0.00	23.19
				44	45.53	0.01	0.00	45.53	89.28	94.54	0.00	0.00	0.00	23.20
				45	45.68	0.00	0.00	45.68	89.28	94.57	0.00	0.00	0.00	23.26
				46	45.70	0.00	0.00	45.70	89.28	94.57	0.00	0.00	0.00	23.27
				47	46.31	-0.02	0.00	46.31	89.28	94.51	0.00	0.00	0.00	23.53
				48	46.92	-0.05	0.00	46.92	89.28	94.43	0.00	0.00	0.00	23.78
				49	46.40	-0.03	0.00	46.40	89.28	94.49	0.00	0.00	0.00	23.56
				50	47.01	-0.06	0.00	47.01	89.28	94.41	0.00	0.00	0.00	23.82
				51	47.55	-0.09	0.00	47.55	89.28	94.34	0.00	0.00	0.00	24.05
				52	47.57	-0.09	0.00	47.57	89.28	94.34	0.00	0.00	0.00	24.06
				53	47.72	-0.09	0.00	47.72	89.28	94.32	0.00	0.00	0.00	24.12
				54	47.74	-0.09	0.00	47.74	89.28	94.32	0.00	0.00	0.00	24.13
42,51	0.800	1.340	0.800	9	48.65	0.11	0.00	48.65	89.28	94.28	0.00	0.00	0.00	24.51
				10	47.26	0.04	0.00	47.26	89.28	94.45	0.00	0.00	0.00	23.93
				11	48.60	0.11	0.00	48.60	89.28	94.28	0.00	0.00	0.00	24.49
				12	47.21	0.04	0.00	47.21	89.28	94.46	0.00	0.00	0.00	23.90
				13	50.32	0.19	0.00	50.32	89.28	94.07	0.00	0.00	0.00	25.21
				14	50.33	0.19	0.00	50.33	89.28	94.07	0.00	0.00	0.00	25.21
				15	50.22	0.19	0.00	50.22	89.28	94.09	0.00	0.00	0.00	25.16
				16	50.23	0.19	0.00	50.23	89.28	94.08	0.00	0.00	0.00	25.17
				17	48.70	0.12	0.00	48.70	89.28	94.27	0.00	0.00	0.00	24.53
				18	47.31	0.05	0.00	47.31	89.28	94.44	0.00	0.00	0.00	23.95
				19	48.65	0.11	0.00	48.65	89.28	94.27	0.00	0.00	0.00	24.51
				20	47.25	0.05	0.00	47.25	89.28	94.45	0.00	0.00	0.00	23.92
				21	45.68	-0.03	0.00	45.68	89.28	94.48	0.00	0.00	0.00	23.26
				22	45.69	-0.03	0.00	45.69	89.28	94.49	0.00	0.00	0.00	23.26
				23	45.57	-0.04	0.00	45.57	89.28	94.47	0.00	0.00	0.00	23.21
				24	45.59	-0.04	0.00	45.59	89.28	94.47	0.00	0.00	0.00	23.22
				39	48.24	0.09	0.00	48.24	89.28	94.33	0.00	0.00	0.00	24.34

				40	47.68	0.06	0.00	47.68	89.28	94.40	0.00	0.00	0.00	24.10
				41	48.22	0.09	0.00	48.22	89.28	94.33	0.00	0.00	0.00	24.33
				42	47.65	0.06	0.00	47.65	89.28	94.40	0.00	0.00	0.00	24.09
				43	48.91	0.12	0.00	48.91	89.28	94.24	0.00	0.00	0.00	24.62
				44	48.91	0.12	0.00	48.91	89.28	94.24	0.00	0.00	0.00	24.62
				45	48.87	0.12	0.00	48.87	89.28	94.25	0.00	0.00	0.00	24.60
				46	48.87	0.12	0.00	48.87	89.28	94.25	0.00	0.00	0.00	24.60
				47	48.25	0.09	0.00	48.25	89.28	94.32	0.00	0.00	0.00	24.34
				48	47.69	0.07	0.00	47.69	89.28	94.39	0.00	0.00	0.00	24.11
				49	48.23	0.09	0.00	48.23	89.28	94.33	0.00	0.00	0.00	24.33
				50	47.67	0.06	0.00	47.67	89.28	94.40	0.00	0.00	0.00	24.10
				51	47.04	0.03	0.00	47.04	89.28	94.48	0.00	0.00	0.00	23.83
				52	47.04	0.03	0.00	47.04	89.28	94.48	0.00	0.00	0.00	23.84
				53	47.00	0.03	0.00	47.00	89.28	94.49	0.00	0.00	0.00	23.82
				54	47.00	0.03	0.00	47.00	89.28	94.49	0.00	0.00	0.00	23.82
33,42	0.800	7.830	0.800	9	273.38	6.19	0.00	273.38	521.70	517.90	0.00	0.00	0.00	138.54
				10	269.27	5.41	0.00	269.27	521.70	518.24	0.00	0.00	0.00	136.81
				11	273.16	6.23	0.00	273.16	521.70	517.88	0.00	0.00	0.00	138.44
				12	269.05	5.45	0.00	269.05	521.70	518.21	0.00	0.00	0.00	136.72
				13	278.19	7.27	0.00	278.19	521.70	517.44	0.00	0.00	0.00	140.56
				14	278.12	7.44	0.00	278.12	521.70	517.36	0.00	0.00	0.00	140.52
				15	277.78	7.36	0.00	277.78	521.70	517.40	0.00	0.00	0.00	140.38
				16	277.71	7.52	0.00	277.71	521.70	517.32	0.00	0.00	0.00	140.35
				17	273.14	6.74	0.00	273.14	521.70	517.63	0.00	0.00	0.00	138.42
				18	269.03	5.97	0.00	269.03	521.70	517.96	0.00	0.00	0.00	136.70
				19	272.92	6.79	0.00	272.92	521.70	517.61	0.00	0.00	0.00	138.33
				20	268.81	6.01	0.00	268.81	521.70	517.94	0.00	0.00	0.00	136.60
				21	264.48	4.67	0.00	264.48	521.70	518.56	0.00	0.00	0.00	134.79
				22	264.41	4.84	0.00	264.41	521.70	518.47	0.00	0.00	0.00	134.76
				23	264.08	4.76	0.00	264.08	521.70	518.51	0.00	0.00	0.00	134.62
				24	264.01	4.93	0.00	264.01	521.70	518.43	0.00	0.00	0.00	134.59
				39	272.01	6.14	0.00	272.01	521.70	517.91	0.00	0.00	0.00	137.96
				40	270.35	5.83	0.00	270.35	521.70	518.04	0.00	0.00	0.00	137.26
				41	271.93	6.16	0.00	271.93	521.70	517.90	0.00	0.00	0.00	137.92
				42	270.27	5.85	0.00	270.27	521.70	518.03	0.00	0.00	0.00	137.22
				43	273.96	6.57	0.00	273.96	521.70	517.72	0.00	0.00	0.00	138.77
				44	273.93	6.63	0.00	273.93	521.70	517.70	0.00	0.00	0.00	138.76
				45	273.80	6.61	0.00	273.80	521.70	517.71	0.00	0.00	0.00	138.70
				46	273.77	6.67	0.00	273.77	521.70	517.68	0.00	0.00	0.00	138.69
				47	271.93	6.35	0.00	271.93	521.70	517.81	0.00	0.00	0.00	137.92
				48	270.27	6.03	0.00	270.27	521.70	517.94	0.00	0.00	0.00	137.22
				49	271.84	6.37	0.00	271.84	521.70	517.80	0.00	0.00	0.00	137.88
				50	270.18	6.05	0.00	270.18	521.70	517.93	0.00	0.00	0.00	137.18
				51	268.43	5.53	0.00	268.43	521.70	518.17	0.00	0.00	0.00	136.45
				52	268.40	5.59	0.00	268.40	521.70	518.14	0.00	0.00	0.00	136.44
				53	268.26	5.56	0.00	268.26	521.70	518.15	0.00	0.00	0.00	136.38
				54	268.24	5.62	0.00	268.24	521.70	518.12	0.00	0.00	0.00	136.37
25,33	0.800	2.790	0.800	9	96.45	0.24	0.00	96.45	185.89	189.49	0.00	0.00	0.00	48.99
				10	96.36	-0.24	0.00	96.36	185.89	189.49	0.00	0.00	0.00	48.95
				11	96.45	0.21	0.00	96.45	185.89	189.53	0.00	0.00	0.00	48.99
				12	96.36	-0.27	0.00	96.36	185.89	189.45	0.00	0.00	0.00	48.95
				13	96.48	0.82	0.00	96.48	185.89	188.70	0.00	0.00	0.00	48.97
				14	96.42	0.82	0.00	96.42	185.89	188.70	0.00	0.00	0.00	48.94
				15	96.47	0.77	0.00	96.47	185.89	188.78	0.00	0.00	0.00	48.97
				16	96.40	0.77	0.00	96.40	185.89	188.78	0.00	0.00	0.00	48.94
				17	96.23	0.24	0.00	96.23	185.89	189.49	0.00	0.00	0.00	48.90
				18	96.14	-0.24	0.00	96.14	185.89	189.49	0.00	0.00	0.00	48.86
				19	96.22	0.21	0.00	96.22	185.89	189.53	0.00	0.00	0.00	48.89
				20	96.13	-0.27	0.00	96.13	185.89	189.45	0.00	0.00	0.00	48.85
				21	96.18	-0.79	0.00	96.18	185.89	188.74	0.00	0.00	0.00	48.84
				22	96.11	-0.79	0.00	96.11	185.89	188.73	0.00	0.00	0.00	48.81
				23	96.17	-0.85	0.00	96.17	185.89	188.66	0.00	0.00	0.00	48.83
				24	96.10	-0.85	0.00	96.10	185.89	188.66	0.00	0.00	0.00	48.80
				39	96.35	0.09	0.00	96.35	185.89	189.70	0.00	0.00	0.00	48.96

				40	96.32	-0.11	0.00	96.32	185.89	189.68	0.00	0.00	0.00	48.94
				41	96.35	0.08	0.00	96.35	185.89	189.71	0.00	0.00	0.00	48.96
				42	96.31	-0.12	0.00	96.31	185.89	189.66	0.00	0.00	0.00	48.94
				43	96.37	0.32	0.00	96.37	185.89	189.38	0.00	0.00	0.00	48.95
				44	96.34	0.32	0.00	96.34	185.89	189.38	0.00	0.00	0.00	48.94
				45	96.36	0.30	0.00	96.36	185.89	189.41	0.00	0.00	0.00	48.95
				46	96.34	0.30	0.00	96.34	185.89	189.41	0.00	0.00	0.00	48.94
				47	96.27	0.09	0.00	96.27	185.89	189.70	0.00	0.00	0.00	48.92
				48	96.24	-0.11	0.00	96.24	185.89	189.68	0.00	0.00	0.00	48.91
				49	96.27	0.08	0.00	96.27	185.89	189.71	0.00	0.00	0.00	48.92
				50	96.23	-0.12	0.00	96.23	185.89	189.66	0.00	0.00	0.00	48.90
				51	96.25	-0.33	0.00	96.25	185.89	189.37	0.00	0.00	0.00	48.90
				52	96.22	-0.33	0.00	96.22	185.89	189.37	0.00	0.00	0.00	48.89
				53	96.24	-0.35	0.00	96.24	185.89	189.34	0.00	0.00	0.00	48.89
				54	96.22	-0.35	0.00	96.22	185.89	189.34	0.00	0.00	0.00	48.88
17,25	0.800	7.830	0.800	9	266.67	-0.14	0.00	266.67	521.70	520.81	0.00	0.00	0.00	135.82
				10	270.93	-1.56	0.00	270.93	521.70	520.12	0.00	0.00	0.00	137.60
				11	266.88	-0.14	0.00	266.88	521.70	520.81	0.00	0.00	0.00	135.91
				12	271.15	-1.56	0.00	271.15	521.70	520.12	0.00	0.00	0.00	137.69
				13	261.51	1.33	0.00	261.51	521.70	520.21	0.00	0.00	0.00	133.61
				14	261.44	1.17	0.00	261.44	521.70	520.29	0.00	0.00	0.00	133.58
				15	261.91	1.33	0.00	261.91	521.70	520.21	0.00	0.00	0.00	133.78
				16	261.84	1.17	0.00	261.84	521.70	520.29	0.00	0.00	0.00	133.75
				17	266.42	-0.68	0.00	266.42	521.70	520.54	0.00	0.00	0.00	135.70
				18	270.69	-2.11	0.00	270.69	521.70	519.85	0.00	0.00	0.00	137.48
				19	266.64	-0.68	0.00	266.64	521.70	520.54	0.00	0.00	0.00	135.80
				20	270.91	-2.11	0.00	270.91	521.70	519.85	0.00	0.00	0.00	137.58
				21	275.74	-3.41	0.00	275.74	521.70	519.25	0.00	0.00	0.00	139.60
				22	275.67	-3.58	0.00	275.67	521.70	519.17	0.00	0.00	0.00	139.56
				23	276.14	-3.41	0.00	276.14	521.70	519.25	0.00	0.00	0.00	139.76
				24	276.06	-3.58	0.00	276.06	521.70	519.17	0.00	0.00	0.00	139.73
				39	267.93	-0.73	0.00	267.93	521.70	520.52	0.00	0.00	0.00	136.34
				40	269.65	-1.31	0.00	269.65	521.70	520.24	0.00	0.00	0.00	137.06
				41	268.01	-0.74	0.00	268.01	521.70	520.52	0.00	0.00	0.00	136.38
				42	269.73	-1.31	0.00	269.73	521.70	520.24	0.00	0.00	0.00	137.09
				43	265.85	-0.13	0.00	265.85	521.70	520.81	0.00	0.00	0.00	135.47
				44	265.83	-0.19	0.00	265.83	521.70	520.78	0.00	0.00	0.00	135.46
				45	266.01	-0.13	0.00	266.01	521.70	520.81	0.00	0.00	0.00	135.54
				46	265.99	-0.19	0.00	265.99	521.70	520.78	0.00	0.00	0.00	135.53
				47	267.84	-0.93	0.00	267.84	521.70	520.42	0.00	0.00	0.00	136.30
				48	269.56	-1.51	0.00	269.56	521.70	520.14	0.00	0.00	0.00	137.02
				49	267.92	-0.93	0.00	267.92	521.70	520.42	0.00	0.00	0.00	136.34
				50	269.65	-1.51	0.00	269.65	521.70	520.14	0.00	0.00	0.00	137.05
				51	271.59	-2.05	0.00	271.59	521.70	519.89	0.00	0.00	0.00	137.86
				52	271.56	-2.11	0.00	271.56	521.70	519.86	0.00	0.00	0.00	137.85
				53	271.75	-2.05	0.00	271.75	521.70	519.89	0.00	0.00	0.00	137.93
				54	271.72	-2.11	0.00	271.72	521.70	519.86	0.00	0.00	0.00	137.92
9,17	0.800	1.340	0.800	9	45.88	-0.00	0.00	45.88	89.28	94.57	0.00	0.00	0.00	23.35
				10	47.38	-0.07	0.00	47.38	89.28	94.37	0.00	0.00	0.00	23.97
				11	45.94	-0.01	0.00	45.94	89.28	94.56	0.00	0.00	0.00	23.37
				12	47.44	-0.08	0.00	47.44	89.28	94.36	0.00	0.00	0.00	24.00
				13	44.12	0.08	0.00	44.12	89.28	94.34	0.00	0.00	0.00	22.59
				14	44.13	0.08	0.00	44.13	89.28	94.34	0.00	0.00	0.00	22.60
				15	44.23	0.08	0.00	44.23	89.28	94.35	0.00	0.00	0.00	22.64
				16	44.24	0.07	0.00	44.24	89.28	94.36	0.00	0.00	0.00	22.64
				17	45.92	-0.01	0.00	45.92	89.28	94.56	0.00	0.00	0.00	23.36
				18	47.42	-0.08	0.00	47.42	89.28	94.36	0.00	0.00	0.00	23.99
				19	45.98	-0.01	0.00	45.98	89.28	94.55	0.00	0.00	0.00	23.39
				20	47.48	-0.08	0.00	47.48	89.28	94.35	0.00	0.00	0.00	24.02
				21	49.12	-0.16	0.00	49.12	89.28	94.15	0.00	0.00	0.00	24.70
				22	49.13	-0.16	0.00	49.13	89.28	94.15	0.00	0.00	0.00	24.71
				23	49.23	-0.16	0.00	49.23	89.28	94.14	0.00	0.00	0.00	24.75
				24	49.25	-0.16	0.00	49.25	89.28	94.14	0.00	0.00	0.00	24.76
				39	46.36	-0.03	0.00	46.36	89.28	94.50	0.00	0.00	0.00	23.55

				40	46.97	-0.05	0.00	46.97	89.28	94.42	0.00	0.00	0.00	23.80
				41	46.38	-0.03	0.00	46.38	89.28	94.50	0.00	0.00	0.00	23.56
				42	46.99	-0.06	0.00	46.99	89.28	94.42	0.00	0.00	0.00	23.81
				43	45.65	0.01	0.00	45.65	89.28	94.55	0.00	0.00	0.00	23.25
				44	45.65	0.01	0.00	45.65	89.28	94.56	0.00	0.00	0.00	23.25
				45	45.69	0.01	0.00	45.69	89.28	94.56	0.00	0.00	0.00	23.27
				46	45.70	0.01	0.00	45.70	89.28	94.56	0.00	0.00	0.00	23.27
				47	46.38	-0.03	0.00	46.38	89.28	94.50	0.00	0.00	0.00	23.55
				48	46.98	-0.06	0.00	46.98	89.28	94.42	0.00	0.00	0.00	23.81
				49	46.40	-0.03	0.00	46.40	89.28	94.50	0.00	0.00	0.00	23.56
				50	47.00	-0.06	0.00	47.00	89.28	94.42	0.00	0.00	0.00	23.82
				51	47.67	-0.09	0.00	47.67	89.28	94.33	0.00	0.00	0.00	24.09
				52	47.67	-0.09	0.00	47.67	89.28	94.33	0.00	0.00	0.00	24.10
				53	47.71	-0.09	0.00	47.71	89.28	94.33	0.00	0.00	0.00	24.11
				54	47.72	-0.09	0.00	47.72	89.28	94.33	0.00	0.00	0.00	24.11
41,50	0.800	1.340	0.800	9	48.81	0.10	0.00	48.81	89.28	94.30	0.00	0.00	0.00	24.58
				10	47.46	0.03	0.00	47.46	89.28	94.50	0.00	0.00	0.00	24.02
				11	48.96	0.12	0.00	48.96	89.28	94.27	0.00	0.00	0.00	24.64
				12	47.62	0.04	0.00	47.62	89.28	94.47	0.00	0.00	0.00	24.08
				13	50.22	0.19	0.00	50.22	89.28	94.07	0.00	0.00	0.00	25.17
				14	50.14	0.20	0.00	50.14	89.28	94.06	0.00	0.00	0.00	25.13
				15	50.50	0.21	0.00	50.50	89.28	94.02	0.00	0.00	0.00	25.28
				16	50.42	0.22	0.00	50.42	89.28	94.01	0.00	0.00	0.00	25.25
				17	48.53	0.11	0.00	48.53	89.28	94.27	0.00	0.00	0.00	24.46
				18	47.18	0.04	0.00	47.18	89.28	94.48	0.00	0.00	0.00	23.89
				19	48.68	0.12	0.00	48.68	89.28	94.24	0.00	0.00	0.00	24.52
				20	47.33	0.05	0.00	47.33	89.28	94.45	0.00	0.00	0.00	23.96
				21	45.73	-0.07	0.00	45.73	89.28	94.39	0.00	0.00	0.00	23.27
				22	45.64	-0.06	0.00	45.64	89.28	94.39	0.00	0.00	0.00	23.24
				23	46.01	-0.05	0.00	46.01	89.28	94.45	0.00	0.00	0.00	23.40
				24	45.92	-0.04	0.00	45.92	89.28	94.45	0.00	0.00	0.00	23.36
				39	48.36	0.09	0.00	48.36	89.28	94.34	0.00	0.00	0.00	24.39
				40	47.83	0.06	0.00	47.83	89.28	94.42	0.00	0.00	0.00	24.17
				41	48.42	0.09	0.00	48.42	89.28	94.33	0.00	0.00	0.00	24.41
				42	47.89	0.06	0.00	47.89	89.28	94.41	0.00	0.00	0.00	24.19
				43	48.92	0.12	0.00	48.92	89.28	94.25	0.00	0.00	0.00	24.62
				44	48.89	0.12	0.00	48.89	89.28	94.25	0.00	0.00	0.00	24.61
				45	49.04	0.13	0.00	49.04	89.28	94.23	0.00	0.00	0.00	24.67
				46	49.00	0.13	0.00	49.00	89.28	94.23	0.00	0.00	0.00	24.66
				47	48.26	0.09	0.00	48.26	89.28	94.33	0.00	0.00	0.00	24.35
				48	47.72	0.06	0.00	47.72	89.28	94.41	0.00	0.00	0.00	24.12
				49	48.32	0.09	0.00	48.32	89.28	94.32	0.00	0.00	0.00	24.37
				50	47.78	0.06	0.00	47.78	89.28	94.40	0.00	0.00	0.00	24.15
				51	47.14	0.02	0.00	47.14	89.28	94.52	0.00	0.00	0.00	23.88
				52	47.11	0.02	0.00	47.11	89.28	94.52	0.00	0.00	0.00	23.87
				53	47.25	0.03	0.00	47.25	89.28	94.50	0.00	0.00	0.00	23.93
				54	47.22	0.03	0.00	47.22	89.28	94.50	0.00	0.00	0.00	23.91
32,41	0.800	7.830	0.800	9	276.32	3.19	0.00	276.32	521.70	519.36	0.00	0.00	0.00	139.85
				10	273.13	2.17	0.00	273.13	521.70	519.83	0.00	0.00	0.00	138.51
				11	276.40	3.48	0.00	276.40	521.70	519.22	0.00	0.00	0.00	139.87
				12	273.20	2.46	0.00	273.20	521.70	519.69	0.00	0.00	0.00	138.54
				13	278.50	5.66	0.00	278.50	521.70	518.21	0.00	0.00	0.00	140.72
				14	277.21	6.86	0.00	277.21	521.70	517.63	0.00	0.00	0.00	140.15
				15	278.64	6.20	0.00	278.64	521.70	517.95	0.00	0.00	0.00	140.77
				16	277.35	7.40	0.00	277.35	521.70	517.37	0.00	0.00	0.00	140.20
				17	272.01	7.20	0.00	272.01	521.70	517.40	0.00	0.00	0.00	137.93
				18	268.82	6.18	0.00	268.82	521.70	517.86	0.00	0.00	0.00	136.60
				19	272.09	7.49	0.00	272.09	521.70	517.26	0.00	0.00	0.00	137.96
				20	268.89	6.47	0.00	268.89	521.70	517.71	0.00	0.00	0.00	136.63
				21	267.86	2.26	0.00	267.86	521.70	519.77	0.00	0.00	0.00	136.28
				22	266.57	3.46	0.00	266.57	521.70	519.17	0.00	0.00	0.00	135.71
				23	268.00	2.80	0.00	268.00	521.70	519.50	0.00	0.00	0.00	136.33
				24	266.71	4.00	0.00	266.71	521.70	518.90	0.00	0.00	0.00	135.75
				39	274.01	4.24	0.00	274.01	521.70	518.84	0.00	0.00	0.00	138.85

				40	272.73	3.85	0.00	272.73	521.70	519.02	0.00	0.00	0.00	138.31
				41	274.04	4.36	0.00	274.04	521.70	518.79	0.00	0.00	0.00	138.86
				42	272.76	3.96	0.00	272.76	521.70	518.97	0.00	0.00	0.00	138.32
				43	274.95	5.16	0.00	274.95	521.70	518.41	0.00	0.00	0.00	139.22
				44	274.48	5.59	0.00	274.48	521.70	518.20	0.00	0.00	0.00	139.02
				45	275.01	5.37	0.00	275.01	521.70	518.31	0.00	0.00	0.00	139.24
				46	274.54	5.81	0.00	274.54	521.70	518.10	0.00	0.00	0.00	139.04
				47	272.45	5.70	0.00	272.45	521.70	518.13	0.00	0.00	0.00	138.15
				48	271.17	5.30	0.00	271.17	521.70	518.31	0.00	0.00	0.00	137.62
				49	272.48	5.81	0.00	272.48	521.70	518.08	0.00	0.00	0.00	138.16
				50	271.20	5.42	0.00	271.20	521.70	518.25	0.00	0.00	0.00	137.63
				51	270.68	3.85	0.00	270.68	521.70	519.01	0.00	0.00	0.00	137.44
				52	270.21	4.29	0.00	270.21	521.70	518.79	0.00	0.00	0.00	137.23
				53	270.73	4.07	0.00	270.73	521.70	518.90	0.00	0.00	0.00	137.46
				54	270.26	4.50	0.00	270.26	521.70	518.69	0.00	0.00	0.00	137.25
24,32	0.800	2.790	0.800	9	98.50	0.17	0.00	98.50	185.89	189.60	0.00	0.00	0.00	49.86
				10	98.41	-0.20	0.00	98.41	185.89	189.55	0.00	0.00	0.00	49.82
				11	98.50	0.17	0.00	98.50	185.89	189.59	0.00	0.00	0.00	49.86
				12	98.40	-0.20	0.00	98.40	185.89	189.56	0.00	0.00	0.00	49.82
				13	97.72	0.60	0.00	97.72	185.89	189.02	0.00	0.00	0.00	49.51
				14	96.95	0.60	0.00	96.95	185.89	189.01	0.00	0.00	0.00	49.18
				15	97.71	0.61	0.00	97.71	185.89	189.00	0.00	0.00	0.00	49.50
				16	96.94	0.61	0.00	96.94	185.89	189.00	0.00	0.00	0.00	49.18
				17	95.94	0.17	0.00	95.94	185.89	189.59	0.00	0.00	0.00	48.78
				18	95.85	-0.21	0.00	95.85	185.89	189.54	0.00	0.00	0.00	48.73
				19	95.94	0.17	0.00	95.94	185.89	189.59	0.00	0.00	0.00	48.78
				20	95.84	-0.20	0.00	95.84	185.89	189.55	0.00	0.00	0.00	48.73
				21	97.40	-0.64	0.00	97.40	185.89	188.96	0.00	0.00	0.00	49.37
				22	96.63	-0.64	0.00	96.63	185.89	188.95	0.00	0.00	0.00	49.04
				23	97.39	-0.63	0.00	97.39	185.89	188.97	0.00	0.00	0.00	49.36
				24	96.62	-0.63	0.00	96.62	185.89	188.96	0.00	0.00	0.00	49.04
				39	97.66	0.06	0.00	97.66	185.89	189.74	0.00	0.00	0.00	49.51
				40	97.62	-0.09	0.00	97.62	185.89	189.70	0.00	0.00	0.00	49.49
				41	97.65	0.06	0.00	97.65	185.89	189.74	0.00	0.00	0.00	49.51
				42	97.62	-0.09	0.00	97.62	185.89	189.70	0.00	0.00	0.00	49.49
				43	97.38	0.23	0.00	97.38	185.89	189.51	0.00	0.00	0.00	49.38
				44	97.10	0.23	0.00	97.10	185.89	189.51	0.00	0.00	0.00	49.26
				45	97.37	0.24	0.00	97.37	185.89	189.50	0.00	0.00	0.00	49.38
				46	97.09	0.24	0.00	97.09	185.89	189.50	0.00	0.00	0.00	49.26
				47	96.73	0.06	0.00	96.73	185.89	189.74	0.00	0.00	0.00	49.12
				48	96.69	-0.09	0.00	96.69	185.89	189.69	0.00	0.00	0.00	49.10
				49	96.73	0.06	0.00	96.73	185.89	189.74	0.00	0.00	0.00	49.12
				50	96.69	-0.09	0.00	96.69	185.89	189.70	0.00	0.00	0.00	49.10
				51	97.25	-0.27	0.00	97.25	185.89	189.46	0.00	0.00	0.00	49.33
				52	96.97	-0.27	0.00	96.97	185.89	189.46	0.00	0.00	0.00	49.21
				53	97.24	-0.26	0.00	97.24	185.89	189.46	0.00	0.00	0.00	49.32
				54	96.97	-0.26	0.00	96.97	185.89	189.46	0.00	0.00	0.00	49.21
16,24	0.800	7.830	0.800	9	270.91	2.94	0.00	270.91	521.70	519.45	0.00	0.00	0.00	137.56
				10	273.91	1.35	0.00	273.91	521.70	520.23	0.00	0.00	0.00	138.86
				11	270.82	3.22	0.00	270.82	521.70	519.31	0.00	0.00	0.00	137.51
				12	273.81	1.63	0.00	273.81	521.70	520.09	0.00	0.00	0.00	138.82
				13	266.03	3.20	0.00	266.03	521.70	519.30	0.00	0.00	0.00	135.48
				14	264.81	1.94	0.00	264.81	521.70	519.91	0.00	0.00	0.00	134.99
				15	265.86	3.72	0.00	265.86	521.70	519.04	0.00	0.00	0.00	135.40
				16	264.63	2.46	0.00	264.63	521.70	519.65	0.00	0.00	0.00	134.91
				17	266.83	-1.27	0.00	266.83	521.70	520.25	0.00	0.00	0.00	135.87
				18	269.83	-2.86	0.00	269.83	521.70	519.49	0.00	0.00	0.00	137.10
				19	266.74	-0.98	0.00	266.74	521.70	520.39	0.00	0.00	0.00	135.83
				20	269.73	-2.57	0.00	269.73	521.70	519.62	0.00	0.00	0.00	137.07
				21	276.01	-2.10	0.00	276.01	521.70	519.88	0.00	0.00	0.00	139.74
				22	274.79	-3.36	0.00	274.79	521.70	519.27	0.00	0.00	0.00	139.19
				23	275.83	-1.57	0.00	275.83	521.70	520.13	0.00	0.00	0.00	139.68
				24	274.61	-2.83	0.00	274.61	521.70	519.52	0.00	0.00	0.00	139.13
				39	270.48	1.20	0.00	270.48	521.70	520.29	0.00	0.00	0.00	137.41

				40	271.68	0.58	0.00	271.68	521.70	520.60	0.00	0.00	0.00	137.94
				41	270.44	1.31	0.00	270.44	521.70	520.24	0.00	0.00	0.00	137.39
				42	271.65	0.69	0.00	271.65	521.70	520.54	0.00	0.00	0.00	137.92
				43	268.57	1.34	0.00	268.57	521.70	520.22	0.00	0.00	0.00	136.60
				44	268.13	0.89	0.00	268.13	521.70	520.44	0.00	0.00	0.00	136.42
				45	268.50	1.55	0.00	268.50	521.70	520.12	0.00	0.00	0.00	136.57
				46	268.05	1.10	0.00	268.05	521.70	520.34	0.00	0.00	0.00	136.39
				47	269.00	-0.32	0.00	269.00	521.70	520.72	0.00	0.00	0.00	136.80
				48	270.20	-0.94	0.00	270.20	521.70	520.42	0.00	0.00	0.00	137.30
				49	268.96	-0.21	0.00	268.96	521.70	520.77	0.00	0.00	0.00	136.79
				50	270.17	-0.83	0.00	270.17	521.70	520.47	0.00	0.00	0.00	137.29
				51	272.59	-0.73	0.00	272.59	521.70	520.52	0.00	0.00	0.00	138.32
				52	272.15	-1.19	0.00	272.15	521.70	520.30	0.00	0.00	0.00	138.12
				53	272.52	-0.52	0.00	272.52	521.70	520.63	0.00	0.00	0.00	138.29
				54	272.07	-0.98	0.00	272.07	521.70	520.41	0.00	0.00	0.00	138.09
8,16	0.800	1.340	0.800	9	46.27	0.00	0.00	46.27	89.28	94.57	0.00	0.00	0.00	23.51
				10	47.71	-0.08	0.00	47.71	89.28	94.36	0.00	0.00	0.00	24.11
				11	46.12	0.01	0.00	46.12	89.28	94.54	0.00	0.00	0.00	23.45
				12	47.55	-0.07	0.00	47.55	89.28	94.39	0.00	0.00	0.00	24.05
				13	44.58	0.09	0.00	44.58	89.28	94.31	0.00	0.00	0.00	22.79
				14	44.51	0.09	0.00	44.51	89.28	94.32	0.00	0.00	0.00	22.76
				15	44.30	0.11	0.00	44.30	89.28	94.25	0.00	0.00	0.00	22.66
				16	44.23	0.11	0.00	44.23	89.28	94.26	0.00	0.00	0.00	22.63
				17	46.04	-0.01	0.00	46.04	89.28	94.55	0.00	0.00	0.00	23.41
				18	47.47	-0.09	0.00	47.47	89.28	94.33	0.00	0.00	0.00	24.01
				19	45.89	0.00	0.00	45.89	89.28	94.57	0.00	0.00	0.00	23.35
				20	47.32	-0.08	0.00	47.32	89.28	94.36	0.00	0.00	0.00	23.95
				21	49.36	-0.18	0.00	49.36	89.28	94.09	0.00	0.00	0.00	24.80
				22	49.29	-0.19	0.00	49.29	89.28	94.08	0.00	0.00	0.00	24.77
				23	49.08	-0.16	0.00	49.08	89.28	94.14	0.00	0.00	0.00	24.68
				24	49.01	-0.16	0.00	49.01	89.28	94.13	0.00	0.00	0.00	24.65
				39	46.58	-0.02	0.00	46.58	89.28	94.51	0.00	0.00	0.00	23.64
				40	47.15	-0.05	0.00	47.15	89.28	94.42	0.00	0.00	0.00	23.88
				41	46.52	-0.02	0.00	46.52	89.28	94.53	0.00	0.00	0.00	23.62
				42	47.09	-0.05	0.00	47.09	89.28	94.44	0.00	0.00	0.00	23.86
				43	45.92	0.01	0.00	45.92	89.28	94.54	0.00	0.00	0.00	23.36
				44	45.89	0.01	0.00	45.89	89.28	94.55	0.00	0.00	0.00	23.35
				45	45.80	0.02	0.00	45.80	89.28	94.52	0.00	0.00	0.00	23.31
				46	45.78	0.02	0.00	45.78	89.28	94.52	0.00	0.00	0.00	23.30
				47	46.50	-0.03	0.00	46.50	89.28	94.50	0.00	0.00	0.00	23.61
				48	47.07	-0.06	0.00	47.07	89.28	94.41	0.00	0.00	0.00	23.84
				49	46.44	-0.02	0.00	46.44	89.28	94.52	0.00	0.00	0.00	23.58
				50	47.01	-0.05	0.00	47.01	89.28	94.43	0.00	0.00	0.00	23.82
				51	47.81	-0.10	0.00	47.81	89.28	94.31	0.00	0.00	0.00	24.16
				52	47.79	-0.10	0.00	47.79	89.28	94.31	0.00	0.00	0.00	24.15
				53	47.70	-0.09	0.00	47.70	89.28	94.34	0.00	0.00	0.00	24.11
				54	47.67	-0.09	0.00	47.67	89.28	94.33	0.00	0.00	0.00	24.10
40,49	0.800	1.340	0.800	9	49.27	0.16	0.00	49.27	89.28	94.16	0.00	0.00	0.00	24.76
				10	47.31	-0.03	0.00	47.31	89.28	94.49	0.00	0.00	0.00	23.95
				11	49.72	0.20	0.00	49.72	89.28	94.06	0.00	0.00	0.00	24.95
				12	47.76	0.01	0.00	47.76	89.28	94.55	0.00	0.00	0.00	24.14
				13	51.18	0.35	0.00	51.18	89.28	93.68	0.00	0.00	0.00	25.55
				14	51.03	0.35	0.00	51.03	89.28	93.68	0.00	0.00	0.00	25.49
				15	52.02	0.43	0.00	52.02	89.28	93.50	0.00	0.00	0.00	25.90
				16	51.87	0.42	0.00	51.87	89.28	93.50	0.00	0.00	0.00	25.84
				17	48.76	0.14	0.00	48.76	89.28	94.19	0.00	0.00	0.00	24.55
				18	46.80	-0.04	0.00	46.80	89.28	94.46	0.00	0.00	0.00	23.73
				19	49.21	0.19	0.00	49.21	89.28	94.08	0.00	0.00	0.00	24.74
				20	47.25	-0.00	0.00	47.25	89.28	94.58	0.00	0.00	0.00	23.93
				21	44.65	-0.27	0.00	44.65	89.28	93.78	0.00	0.00	0.00	22.79
				22	44.50	-0.27	0.00	44.50	89.28	93.77	0.00	0.00	0.00	22.73
				23	45.49	-0.19	0.00	45.49	89.28	94.02	0.00	0.00	0.00	23.16
				24	45.34	-0.20	0.00	45.34	89.28	94.01	0.00	0.00	0.00	23.09
				39	48.64	0.11	0.00	48.64	89.28	94.29	0.00	0.00	0.00	24.51

				40	47.89	0.04	0.00	47.89	89.28	94.48	0.00	0.00	0.00	24.19
				41	48.82	0.12	0.00	48.82	89.28	94.24	0.00	0.00	0.00	24.58
				42	48.06	0.05	0.00	48.06	89.28	94.44	0.00	0.00	0.00	24.27
				43	49.38	0.18	0.00	49.38	89.28	94.09	0.00	0.00	0.00	24.81
				44	49.32	0.18	0.00	49.32	89.28	94.09	0.00	0.00	0.00	24.79
				45	49.72	0.21	0.00	49.72	89.28	94.01	0.00	0.00	0.00	24.95
				46	49.66	0.21	0.00	49.66	89.28	94.01	0.00	0.00	0.00	24.93
				47	48.46	0.10	0.00	48.46	89.28	94.30	0.00	0.00	0.00	24.43
				48	47.70	0.03	0.00	47.70	89.28	94.49	0.00	0.00	0.00	24.12
				49	48.63	0.12	0.00	48.63	89.28	94.25	0.00	0.00	0.00	24.50
				50	47.88	0.05	0.00	47.88	89.28	94.45	0.00	0.00	0.00	24.19
				51	46.86	-0.06	0.00	46.86	89.28	94.42	0.00	0.00	0.00	23.76
				52	46.80	-0.06	0.00	46.80	89.28	94.41	0.00	0.00	0.00	23.73
				53	47.20	-0.03	0.00	47.20	89.28	94.50	0.00	0.00	0.00	23.90
				54	47.14	-0.03	0.00	47.14	89.28	94.50	0.00	0.00	0.00	23.88
31,40	0.800	7.830	0.800	9	273.53	6.89	0.00	273.53	521.70	517.57	0.00	0.00	0.00	138.59
				10	275.61	3.02	0.00	275.61	521.70	519.44	0.00	0.00	0.00	139.55
				11	273.14	7.90	0.00	273.14	521.70	517.08	0.00	0.00	0.00	138.40
				12	275.22	4.03	0.00	275.22	521.70	518.96	0.00	0.00	0.00	139.36
				13	270.88	10.23	0.00	270.88	521.70	515.92	0.00	0.00	0.00	137.39
				14	270.54	9.58	0.00	270.54	521.70	516.23	0.00	0.00	0.00	137.26
				15	270.16	12.08	0.00	270.16	521.70	515.00	0.00	0.00	0.00	137.04
				16	269.82	11.43	0.00	269.82	521.70	515.31	0.00	0.00	0.00	136.91
				17	272.42	4.73	0.00	272.42	521.70	518.60	0.00	0.00	0.00	138.16
				18	274.50	0.86	0.00	274.50	521.70	520.47	0.00	0.00	0.00	139.13
				19	272.03	5.73	0.00	272.03	521.70	518.11	0.00	0.00	0.00	137.97
				20	274.11	1.86	0.00	274.11	521.70	519.99	0.00	0.00	0.00	138.94
				21	277.82	-2.67	0.00	277.82	521.70	519.61	0.00	0.00	0.00	140.49
				22	277.48	-3.32	0.00	277.48	521.70	519.30	0.00	0.00	0.00	140.34
				23	277.10	-0.82	0.00	277.10	521.70	520.49	0.00	0.00	0.00	140.23
				24	276.76	-1.47	0.00	276.76	521.70	520.18	0.00	0.00	0.00	140.07
				39	273.69	5.32	0.00	273.69	521.70	518.32	0.00	0.00	0.00	138.69
				40	274.50	3.84	0.00	274.50	521.70	519.04	0.00	0.00	0.00	139.06
				41	273.54	5.71	0.00	273.54	521.70	518.14	0.00	0.00	0.00	138.61
				42	274.35	4.22	0.00	274.35	521.70	518.86	0.00	0.00	0.00	138.99
				43	272.66	6.60	0.00	272.66	521.70	517.70	0.00	0.00	0.00	138.22
				44	272.54	6.36	0.00	272.54	521.70	517.81	0.00	0.00	0.00	138.18
				45	272.38	7.34	0.00	272.38	521.70	517.34	0.00	0.00	0.00	138.09
				46	272.26	7.11	0.00	272.26	521.70	517.45	0.00	0.00	0.00	138.04
				47	273.29	4.53	0.00	273.29	521.70	518.70	0.00	0.00	0.00	138.53
				48	274.10	3.05	0.00	274.10	521.70	519.42	0.00	0.00	0.00	138.91
				49	273.14	4.92	0.00	273.14	521.70	518.51	0.00	0.00	0.00	138.46
				50	273.95	3.43	0.00	273.95	521.70	519.23	0.00	0.00	0.00	138.84
				51	275.39	1.65	0.00	275.39	521.70	520.09	0.00	0.00	0.00	139.48
				52	275.27	1.41	0.00	275.27	521.70	520.20	0.00	0.00	0.00	139.44
				53	275.10	2.39	0.00	275.10	521.70	519.74	0.00	0.00	0.00	139.35
				54	274.98	2.15	0.00	274.98	521.70	519.85	0.00	0.00	0.00	139.30
23,31	0.800	2.790	0.800	9	97.70	-0.15	0.00	97.70	185.89	189.63	0.00	0.00	0.00	49.53
				10	97.63	0.15	0.00	97.63	185.89	189.62	0.00	0.00	0.00	49.49
				11	97.72	-0.21	0.00	97.72	185.89	189.54	0.00	0.00	0.00	49.53
				12	97.65	0.09	0.00	97.65	185.89	189.71	0.00	0.00	0.00	49.51
				13	97.80	-0.46	0.00	97.80	185.89	189.20	0.00	0.00	0.00	49.55
				14	97.82	-0.46	0.00	97.82	185.89	189.20	0.00	0.00	0.00	49.56
				15	97.84	-0.58	0.00	97.84	185.89	189.04	0.00	0.00	0.00	49.56
				16	97.86	-0.58	0.00	97.86	185.89	189.04	0.00	0.00	0.00	49.57
				17	97.77	-0.15	0.00	97.77	185.89	189.62	0.00	0.00	0.00	49.55
				18	97.70	0.15	0.00	97.70	185.89	189.62	0.00	0.00	0.00	49.52
				19	97.79	-0.21	0.00	97.79	185.89	189.54	0.00	0.00	0.00	49.56
				20	97.72	0.08	0.00	97.72	185.89	189.71	0.00	0.00	0.00	49.54
				21	97.56	0.52	0.00	97.56	185.89	189.12	0.00	0.00	0.00	49.44
				22	97.58	0.52	0.00	97.58	185.89	189.12	0.00	0.00	0.00	49.45
				23	97.60	0.40	0.00	97.60	185.89	189.28	0.00	0.00	0.00	49.47
				24	97.62	0.40	0.00	97.62	185.89	189.28	0.00	0.00	0.00	49.47
				39	97.71	-0.07	0.00	97.71	185.89	189.72	0.00	0.00	0.00	49.53

				40	97.68	0.04	0.00	97.68	185.89	189.77	0.00	0.00	0.00	49.52
				41	97.71	-0.10	0.00	97.71	185.89	189.69	0.00	0.00	0.00	49.53
				42	97.69	0.01	0.00	97.69	185.89	189.80	0.00	0.00	0.00	49.53
				43	97.75	-0.20	0.00	97.75	185.89	189.56	0.00	0.00	0.00	49.54
				44	97.75	-0.20	0.00	97.75	185.89	189.56	0.00	0.00	0.00	49.54
				45	97.76	-0.25	0.00	97.76	185.89	189.49	0.00	0.00	0.00	49.54
				46	97.77	-0.25	0.00	97.77	185.89	189.49	0.00	0.00	0.00	49.55
				47	97.73	-0.08	0.00	97.73	185.89	189.72	0.00	0.00	0.00	49.54
				48	97.71	0.04	0.00	97.71	185.89	189.77	0.00	0.00	0.00	49.53
				49	97.74	-0.10	0.00	97.74	185.89	189.69	0.00	0.00	0.00	49.54
				50	97.71	0.01	0.00	97.71	185.89	189.80	0.00	0.00	0.00	49.54
				51	97.65	0.18	0.00	97.65	185.89	189.57	0.00	0.00	0.00	49.50
				52	97.66	0.18	0.00	97.66	185.89	189.57	0.00	0.00	0.00	49.51
				53	97.67	0.14	0.00	97.67	185.89	189.64	0.00	0.00	0.00	49.51
				54	97.68	0.14	0.00	97.68	185.89	189.64	0.00	0.00	0.00	49.51
15,23	0.800	7.830	0.800	9	272.86	1.56	0.00	272.86	521.70	520.13	0.00	0.00	0.00	138.41
				10	270.94	-2.84	0.00	270.94	521.70	519.50	0.00	0.00	0.00	137.57
				11	273.27	2.68	0.00	273.27	521.70	519.59	0.00	0.00	0.00	138.56
				12	271.35	-1.71	0.00	271.35	521.70	520.05	0.00	0.00	0.00	137.77
				13	274.59	6.86	0.00	274.59	521.70	517.60	0.00	0.00	0.00	139.04
				14	274.32	7.41	0.00	274.32	521.70	517.33	0.00	0.00	0.00	138.91
				15	275.36	8.94	0.00	275.36	521.70	516.61	0.00	0.00	0.00	139.32
				16	275.08	9.49	0.00	275.08	521.70	516.34	0.00	0.00	0.00	139.19
				17	271.93	3.40	0.00	271.93	521.70	519.23	0.00	0.00	0.00	137.98
				18	270.01	-1.00	0.00	270.01	521.70	520.39	0.00	0.00	0.00	137.22
				19	272.34	4.53	0.00	272.34	521.70	518.69	0.00	0.00	0.00	138.13
				20	270.43	0.13	0.00	270.43	521.70	520.81	0.00	0.00	0.00	137.41
				21	268.20	-7.80	0.00	268.20	521.70	517.06	0.00	0.00	0.00	136.31
				22	267.93	-7.25	0.00	267.93	521.70	517.32	0.00	0.00	0.00	136.20
				23	268.97	-5.72	0.00	268.97	521.70	518.08	0.00	0.00	0.00	136.67
				24	268.69	-5.17	0.00	268.69	521.70	518.35	0.00	0.00	0.00	136.57
				39	272.10	1.14	0.00	272.10	521.70	520.33	0.00	0.00	0.00	138.10
				40	271.36	-0.55	0.00	271.36	521.70	520.61	0.00	0.00	0.00	137.80
				41	272.26	1.57	0.00	272.26	521.70	520.12	0.00	0.00	0.00	138.16
				42	271.52	-0.12	0.00	271.52	521.70	520.82	0.00	0.00	0.00	137.88
				43	272.78	3.14	0.00	272.78	521.70	519.36	0.00	0.00	0.00	138.35
				44	272.68	3.34	0.00	272.68	521.70	519.27	0.00	0.00	0.00	138.30
				45	273.09	3.97	0.00	273.09	521.70	518.97	0.00	0.00	0.00	138.46
				46	272.99	4.17	0.00	272.99	521.70	518.87	0.00	0.00	0.00	138.41
				47	271.77	1.81	0.00	271.77	521.70	520.00	0.00	0.00	0.00	137.95
				48	271.02	0.12	0.00	271.02	521.70	520.82	0.00	0.00	0.00	137.67
				49	271.93	2.24	0.00	271.93	521.70	519.79	0.00	0.00	0.00	138.00
				50	271.18	0.55	0.00	271.18	521.70	520.61	0.00	0.00	0.00	137.72
				51	270.30	-2.49	0.00	270.30	521.70	519.67	0.00	0.00	0.00	137.31
				52	270.20	-2.28	0.00	270.20	521.70	519.77	0.00	0.00	0.00	137.27
				53	270.60	-1.65	0.00	270.60	521.70	520.07	0.00	0.00	0.00	137.46
				54	270.50	-1.45	0.00	270.50	521.70	520.17	0.00	0.00	0.00	137.42
7,15	0.800	1.340	0.800	9	46.39	0.03	0.00	46.39	89.28	94.49	0.00	0.00	0.00	23.56
				10	48.43	-0.16	0.00	48.43	89.28	94.14	0.00	0.00	0.00	24.41
				11	45.92	0.07	0.00	45.92	89.28	94.37	0.00	0.00	0.00	23.36
				12	47.96	-0.12	0.00	47.96	89.28	94.25	0.00	0.00	0.00	24.22
				13	44.06	0.24	0.00	44.06	89.28	93.87	0.00	0.00	0.00	22.55
				14	43.93	0.24	0.00	43.93	89.28	93.86	0.00	0.00	0.00	22.49
				15	43.20	0.31	0.00	43.20	89.28	93.62	0.00	0.00	0.00	22.17
				16	43.07	0.32	0.00	43.07	89.28	93.61	0.00	0.00	0.00	22.11
				17	45.97	0.04	0.00	45.97	89.28	94.46	0.00	0.00	0.00	23.38
				18	48.00	-0.15	0.00	48.00	89.28	94.17	0.00	0.00	0.00	24.23
				19	45.50	0.08	0.00	45.50	89.28	94.34	0.00	0.00	0.00	23.17
				20	47.54	-0.11	0.00	47.54	89.28	94.28	0.00	0.00	0.00	24.04
				21	50.86	-0.39	0.00	50.86	89.28	93.56	0.00	0.00	0.00	25.41
				22	50.73	-0.39	0.00	50.73	89.28	93.56	0.00	0.00	0.00	25.36
				23	49.99	-0.32	0.00	49.99	89.28	93.74	0.00	0.00	0.00	25.05
				24	49.87	-0.31	0.00	49.87	89.28	93.75	0.00	0.00	0.00	25.00
				39	46.74	-0.01	0.00	46.74	89.28	94.54	0.00	0.00	0.00	23.71

				40	47.53	-0.09	0.00	47.53	89.28	94.34	0.00	0.00	0.00	24.03
				41	46.56	0.00	0.00	46.56	89.28	94.56	0.00	0.00	0.00	23.63
				42	47.35	-0.07	0.00	47.35	89.28	94.38	0.00	0.00	0.00	23.96
				43	45.85	0.07	0.00	45.85	89.28	94.38	0.00	0.00	0.00	23.33
				44	45.80	0.07	0.00	45.80	89.28	94.38	0.00	0.00	0.00	23.31
				45	45.50	0.10	0.00	45.50	89.28	94.29	0.00	0.00	0.00	23.17
				46	45.45	0.10	0.00	45.45	89.28	94.29	0.00	0.00	0.00	23.15
				47	46.58	-0.01	0.00	46.58	89.28	94.55	0.00	0.00	0.00	23.64
				48	47.37	-0.08	0.00	47.37	89.28	94.35	0.00	0.00	0.00	23.97
				49	46.40	0.01	0.00	46.40	89.28	94.55	0.00	0.00	0.00	23.57
				50	47.19	-0.07	0.00	47.19	89.28	94.39	0.00	0.00	0.00	23.89
				51	48.47	-0.18	0.00	48.47	89.28	94.10	0.00	0.00	0.00	24.43
				52	48.43	-0.18	0.00	48.43	89.28	94.10	0.00	0.00	0.00	24.41
				53	48.13	-0.15	0.00	48.13	89.28	94.18	0.00	0.00	0.00	24.28
				54	48.08	-0.15	0.00	48.08	89.28	94.18	0.00	0.00	0.00	24.26
39,48	0.800	1.340	0.800	9	49.35	0.21	0.00	49.35	89.28	94.01	0.00	0.00	0.00	24.79
				10	47.18	-0.02	0.00	47.18	89.28	94.53	0.00	0.00	0.00	23.90
				11	50.07	0.28	0.00	50.07	89.28	93.83	0.00	0.00	0.00	25.09
				12	47.90	0.06	0.00	47.90	89.28	94.42	0.00	0.00	0.00	24.20
				13	51.29	0.44	0.00	51.29	89.28	93.44	0.00	0.00	0.00	25.59
				14	51.05	0.44	0.00	51.05	89.28	93.45	0.00	0.00	0.00	25.49
				15	52.62	0.57	0.00	52.62	89.28	93.15	0.00	0.00	0.00	26.14
				16	52.37	0.57	0.00	52.37	89.28	93.15	0.00	0.00	0.00	26.04
				17	48.54	0.20	0.00	48.54	89.28	94.04	0.00	0.00	0.00	24.45
				18	46.37	-0.03	0.00	46.37	89.28	94.49	0.00	0.00	0.00	23.55
				19	49.26	0.27	0.00	49.26	89.28	93.86	0.00	0.00	0.00	24.75
				20	47.09	0.04	0.00	47.09	89.28	94.46	0.00	0.00	0.00	23.86
				21	44.07	-0.32	0.00	44.07	89.28	93.64	0.00	0.00	0.00	22.54
				22	43.82	-0.32	0.00	43.82	89.28	93.62	0.00	0.00	0.00	22.43
				23	45.39	-0.19	0.00	45.39	89.28	94.04	0.00	0.00	0.00	23.12
				24	45.15	-0.19	0.00	45.15	89.28	94.02	0.00	0.00	0.00	23.01
				39	48.64	0.16	0.00	48.64	89.28	94.15	0.00	0.00	0.00	24.50
				40	47.81	0.07	0.00	47.81	89.28	94.38	0.00	0.00	0.00	24.16
				41	48.92	0.19	0.00	48.92	89.28	94.08	0.00	0.00	0.00	24.61
				42	48.09	0.10	0.00	48.09	89.28	94.31	0.00	0.00	0.00	24.27
				43	49.38	0.25	0.00	49.38	89.28	93.92	0.00	0.00	0.00	24.80
				44	49.30	0.25	0.00	49.30	89.28	93.92	0.00	0.00	0.00	24.77
				45	49.91	0.30	0.00	49.91	89.28	93.79	0.00	0.00	0.00	25.02
				46	49.83	0.30	0.00	49.83	89.28	93.79	0.00	0.00	0.00	24.99
				47	48.35	0.15	0.00	48.35	89.28	94.16	0.00	0.00	0.00	24.38
				48	47.52	0.07	0.00	47.52	89.28	94.39	0.00	0.00	0.00	24.03
				49	48.63	0.18	0.00	48.63	89.28	94.09	0.00	0.00	0.00	24.49
				50	47.80	0.09	0.00	47.80	89.28	94.32	0.00	0.00	0.00	24.15
				51	46.61	-0.04	0.00	46.61	89.28	94.45	0.00	0.00	0.00	23.65
				52	46.53	-0.05	0.00	46.53	89.28	94.45	0.00	0.00	0.00	23.62
				53	47.14	0.01	0.00	47.14	89.28	94.56	0.00	0.00	0.00	23.88
				54	47.06	0.01	0.00	47.06	89.28	94.56	0.00	0.00	0.00	23.85
14,39	0.800	18.450	0.800	9	608.47	4.22	0.00	608.47	1229.30	1217.55	0.00	0.00	0.00	311.57
				10	613.67	41.69	0.00	613.67	1229.30	1209.53	0.00	0.00	0.00	313.42
				11	608.42	-5.31	0.00	608.42	1229.30	1217.31	0.00	0.00	0.00	311.54
				12	613.62	32.16	0.00	613.62	1229.30	1211.57	0.00	0.00	0.00	313.49
				13	602.50	-33.99	0.00	602.50	1229.30	1211.05	0.00	0.00	0.00	308.75
				14	602.56	-32.73	0.00	602.56	1229.30	1211.32	0.00	0.00	0.00	308.79
				15	602.41	-51.58	0.00	602.41	1229.30	1207.21	0.00	0.00	0.00	308.54
				16	602.47	-50.31	0.00	602.47	1229.30	1207.49	0.00	0.00	0.00	308.58
				17	608.67	8.44	0.00	608.67	1229.30	1216.64	0.00	0.00	0.00	311.62
				18	613.88	45.90	0.00	613.88	1229.30	1208.64	0.00	0.00	0.00	313.47
				19	608.62	-1.09	0.00	608.62	1229.30	1218.22	0.00	0.00	0.00	311.67
				20	613.83	36.37	0.00	613.83	1229.30	1210.67	0.00	0.00	0.00	313.54
				21	619.84	90.90	0.00	619.84	1229.30	1199.19	0.00	0.00	0.00	315.58
				22	619.90	92.16	0.00	619.90	1229.30	1198.93	0.00	0.00	0.00	315.59
				23	619.74	73.31	0.00	619.74	1229.30	1202.92	0.00	0.00	0.00	315.70
				24	619.80	74.58	0.00	619.80	1229.30	1202.65	0.00	0.00	0.00	315.72
				39	610.05	14.04	0.00	610.05	1229.30	1215.43	0.00	0.00	0.00	312.15

				40	612.18	28.66	0.00	612.18	1229.30	1212.31	0.00	0.00	0.00	312.91
				41	610.03	10.39	0.00	610.03	1229.30	1216.22	0.00	0.00	0.00	312.18
				42	612.16	25.01	0.00	612.16	1229.30	1213.09	0.00	0.00	0.00	312.94
				43	607.60	-0.78	0.00	607.60	1229.30	1218.29	0.00	0.00	0.00	311.24
				44	607.62	-0.31	0.00	607.62	1229.30	1218.39	0.00	0.00	0.00	311.25
				45	607.56	-7.83	0.00	607.56	1229.30	1216.77	0.00	0.00	0.00	311.15
				46	607.59	-7.36	0.00	607.59	1229.30	1216.87	0.00	0.00	0.00	311.17
				47	610.13	15.59	0.00	610.13	1229.30	1215.10	0.00	0.00	0.00	312.17
				48	612.27	30.21	0.00	612.27	1229.30	1211.98	0.00	0.00	0.00	312.94
				49	610.11	11.94	0.00	610.11	1229.30	1215.89	0.00	0.00	0.00	312.20
				50	612.25	26.56	0.00	612.25	1229.30	1212.76	0.00	0.00	0.00	312.96
				51	614.71	47.96	0.00	614.71	1229.30	1208.21	0.00	0.00	0.00	313.81
				52	614.74	48.42	0.00	614.74	1229.30	1208.11	0.00	0.00	0.00	313.81
				53	614.68	40.91	0.00	614.68	1229.30	1209.72	0.00	0.00	0.00	313.86
				54	614.70	41.37	0.00	614.70	1229.30	1209.62	0.00	0.00	0.00	313.86
6,14	0.800	1.340	0.800	9	46.62	-0.02	0.00	46.62	89.28	94.51	0.00	0.00	0.00	23.66
				10	48.87	-0.25	0.00	48.87	89.28	93.90	0.00	0.00	0.00	24.58
				11	45.88	0.05	0.00	45.88	89.28	94.44	0.00	0.00	0.00	23.34
				12	48.12	-0.18	0.00	48.12	89.28	94.08	0.00	0.00	0.00	24.28
				13	44.06	0.22	0.00	44.06	89.28	93.92	0.00	0.00	0.00	22.55
				14	43.85	0.22	0.00	43.85	89.28	93.90	0.00	0.00	0.00	22.46
				15	42.69	0.35	0.00	42.69	89.28	93.49	0.00	0.00	0.00	21.95
				16	42.48	0.36	0.00	42.48	89.28	93.47	0.00	0.00	0.00	21.86
				17	45.91	-0.01	0.00	45.91	89.28	94.55	0.00	0.00	0.00	23.36
				18	48.16	-0.24	0.00	48.16	89.28	93.93	0.00	0.00	0.00	24.28
				19	45.17	0.06	0.00	45.17	89.28	94.39	0.00	0.00	0.00	23.04
				20	47.41	-0.17	0.00	47.41	89.28	94.11	0.00	0.00	0.00	23.98
				21	51.55	-0.55	0.00	51.55	89.28	93.18	0.00	0.00	0.00	25.69
				22	51.34	-0.54	0.00	51.34	89.28	93.19	0.00	0.00	0.00	25.60
				23	50.18	-0.42	0.00	50.18	89.28	93.49	0.00	0.00	0.00	25.12
				24	49.97	-0.41	0.00	49.97	89.28	93.50	0.00	0.00	0.00	25.03
				39	46.86	-0.07	0.00	46.86	89.28	94.39	0.00	0.00	0.00	23.75
				40	47.72	-0.16	0.00	47.72	89.28	94.15	0.00	0.00	0.00	24.11
				41	46.57	-0.04	0.00	46.57	89.28	94.46	0.00	0.00	0.00	23.64
				42	47.43	-0.13	0.00	47.43	89.28	94.22	0.00	0.00	0.00	23.99
				43	45.89	0.03	0.00	45.89	89.28	94.50	0.00	0.00	0.00	23.35
				44	45.82	0.03	0.00	45.82	89.28	94.50	0.00	0.00	0.00	23.32
				45	45.34	0.08	0.00	45.34	89.28	94.35	0.00	0.00	0.00	23.11
				46	45.27	0.08	0.00	45.27	89.28	94.35	0.00	0.00	0.00	23.08
				47	46.60	-0.06	0.00	46.60	89.28	94.40	0.00	0.00	0.00	23.64
				48	47.46	-0.15	0.00	47.46	89.28	94.16	0.00	0.00	0.00	24.00
				49	46.31	-0.03	0.00	46.31	89.28	94.48	0.00	0.00	0.00	23.53
				50	47.18	-0.12	0.00	47.18	89.28	94.23	0.00	0.00	0.00	23.88
				51	48.77	-0.27	0.00	48.77	89.28	93.85	0.00	0.00	0.00	24.54
				52	48.69	-0.27	0.00	48.69	89.28	93.85	0.00	0.00	0.00	24.51
				53	48.22	-0.22	0.00	48.22	89.28	93.98	0.00	0.00	0.00	24.31
				54	48.14	-0.22	0.00	48.14	89.28	93.99	0.00	0.00	0.00	24.28
4,47	0.800	1.340	0.800	9	46.67	0.08	0.00	46.67	89.28	94.35	0.00	0.00	0.00	23.67
				10	44.68	-0.07	0.00	44.68	89.28	94.38	0.00	0.00	0.00	22.83
				11	47.36	0.15	0.00	47.36	89.28	94.16	0.00	0.00	0.00	23.96
				12	45.38	0.00	0.00	45.38	89.28	94.56	0.00	0.00	0.00	23.13
				13	50.03	0.22	0.00	50.03	89.28	93.99	0.00	0.00	0.00	25.08
				14	51.18	0.23	0.00	51.18	89.28	93.99	0.00	0.00	0.00	25.57
				15	51.32	0.36	0.00	51.32	89.28	93.67	0.00	0.00	0.00	25.61
				16	52.47	0.36	0.00	52.47	89.28	93.68	0.00	0.00	0.00	26.10
				17	50.51	0.09	0.00	50.51	89.28	94.34	0.00	0.00	0.00	25.30
				18	48.53	-0.06	0.00	48.53	89.28	94.42	0.00	0.00	0.00	24.46
				19	51.21	0.16	0.00	51.21	89.28	94.16	0.00	0.00	0.00	25.59
				20	49.22	0.02	0.00	49.22	89.28	94.54	0.00	0.00	0.00	24.76
				21	43.42	-0.26	0.00	43.42	89.28	93.77	0.00	0.00	0.00	22.27
				22	44.57	-0.26	0.00	44.57	89.28	93.81	0.00	0.00	0.00	22.76
				23	44.71	-0.13	0.00	44.71	89.28	94.19	0.00	0.00	0.00	22.83
				24	45.86	-0.13	0.00	45.86	89.28	94.21	0.00	0.00	0.00	23.32
				39	47.50	0.06	0.00	47.50	89.28	94.41	0.00	0.00	0.00	24.03

				40	46.73	0.00	0.00	46.73	89.28	94.57	0.00	0.00	0.00	23.71
				41	47.77	0.09	0.00	47.77	89.28	94.34	0.00	0.00	0.00	24.14
				42	47.00	0.03	0.00	47.00	89.28	94.49	0.00	0.00	0.00	23.82
				43	48.76	0.12	0.00	48.76	89.28	94.27	0.00	0.00	0.00	24.56
				44	49.18	0.12	0.00	49.18	89.28	94.27	0.00	0.00	0.00	24.73
				45	49.28	0.17	0.00	49.28	89.28	94.13	0.00	0.00	0.00	24.77
				46	49.70	0.17	0.00	49.70	89.28	94.13	0.00	0.00	0.00	24.95
				47	48.89	0.06	0.00	48.89	89.28	94.40	0.00	0.00	0.00	24.62
				48	48.12	0.01	0.00	48.12	89.28	94.56	0.00	0.00	0.00	24.30
				49	49.16	0.09	0.00	49.16	89.28	94.33	0.00	0.00	0.00	24.73
				50	48.39	0.03	0.00	48.39	89.28	94.48	0.00	0.00	0.00	24.41
				51	46.19	-0.08	0.00	46.19	89.28	94.36	0.00	0.00	0.00	23.47
				52	46.61	-0.07	0.00	46.61	89.28	94.37	0.00	0.00	0.00	23.65
				53	46.71	-0.02	0.00	46.71	89.28	94.51	0.00	0.00	0.00	23.70
				54	47.13	-0.02	0.00	47.13	89.28	94.52	0.00	0.00	0.00	23.87
3,4	0.800	7.830	0.800	9	266.44	1.25	0.00	266.44	521.70	520.26	0.00	0.00	0.00	135.70
				10	266.37	-3.98	0.00	266.37	521.70	518.91	0.00	0.00	0.00	135.61
				11	265.46	2.56	0.00	265.46	521.70	519.61	0.00	0.00	0.00	135.25
				12	265.39	-2.68	0.00	265.39	521.70	519.55	0.00	0.00	0.00	135.22
				13	275.34	4.97	0.00	275.34	521.70	518.51	0.00	0.00	0.00	139.40
				14	282.54	3.39	0.00	282.54	521.70	519.30	0.00	0.00	0.00	142.48
				15	273.53	7.38	0.00	273.53	521.70	517.33	0.00	0.00	0.00	138.58
				16	280.73	5.80	0.00	280.73	521.70	518.16	0.00	0.00	0.00	141.67
				17	290.44	-4.00	0.00	290.44	521.70	519.07	0.00	0.00	0.00	145.82
				18	290.37	-9.23	0.00	290.37	521.70	516.70	0.00	0.00	0.00	145.69
				19	289.46	-2.69	0.00	289.46	521.70	519.65	0.00	0.00	0.00	145.43
				20	289.39	-7.93	0.00	289.39	521.70	517.28	0.00	0.00	0.00	145.30
				21	275.10	-12.48	0.00	275.10	521.70	514.92	0.00	0.00	0.00	139.13
				22	282.30	-14.05	0.00	282.30	521.70	514.34	0.00	0.00	0.00	142.16
				23	273.28	-10.07	0.00	273.28	521.70	516.04	0.00	0.00	0.00	138.41
				24	280.49	-11.64	0.00	280.49	521.70	515.42	0.00	0.00	0.00	141.44
				39	273.77	-1.62	0.00	273.77	521.70	520.10	0.00	0.00	0.00	138.80
				40	273.74	-3.65	0.00	273.74	521.70	519.12	0.00	0.00	0.00	138.74
				41	273.39	-1.12	0.00	273.39	521.70	520.34	0.00	0.00	0.00	138.65
				42	273.36	-3.15	0.00	273.36	521.70	519.36	0.00	0.00	0.00	138.59
				43	277.02	-0.15	0.00	277.02	521.70	520.81	0.00	0.00	0.00	140.21
				44	279.63	-0.72	0.00	279.63	521.70	520.54	0.00	0.00	0.00	141.30
				45	276.30	0.81	0.00	276.30	521.70	520.49	0.00	0.00	0.00	139.89
				46	278.91	0.24	0.00	278.91	521.70	520.76	0.00	0.00	0.00	141.01
				47	282.47	-3.52	0.00	282.47	521.70	519.24	0.00	0.00	0.00	142.45
				48	282.44	-5.55	0.00	282.44	521.70	518.29	0.00	0.00	0.00	142.39
				49	282.09	-3.02	0.00	282.09	521.70	519.47	0.00	0.00	0.00	142.30
				50	282.06	-5.05	0.00	282.06	521.70	518.52	0.00	0.00	0.00	142.24
				51	276.92	-6.92	0.00	276.92	521.70	517.59	0.00	0.00	0.00	140.03
				52	279.53	-7.49	0.00	279.53	521.70	517.36	0.00	0.00	0.00	141.12
				53	276.20	-5.95	0.00	276.20	521.70	518.05	0.00	0.00	0.00	139.74
				54	278.81	-6.52	0.00	278.81	521.70	517.80	0.00	0.00	0.00	140.83
2,3	0.800	2.790	0.800	9	95.79	-0.10	0.00	95.79	185.89	189.68	0.00	0.00	0.00	48.72
				10	95.71	0.16	0.00	95.71	185.89	189.60	0.00	0.00	0.00	48.68
				11	95.87	-0.24	0.00	95.87	185.89	189.49	0.00	0.00	0.00	48.74
				12	95.79	0.02	0.00	95.79	185.89	189.79	0.00	0.00	0.00	48.72
				13	99.48	-0.34	0.00	99.48	185.89	189.37	0.00	0.00	0.00	50.27
				14	102.60	-0.33	0.00	102.60	185.89	189.40	0.00	0.00	0.00	51.59
				15	99.63	-0.59	0.00	99.63	185.89	189.04	0.00	0.00	0.00	50.32
				16	102.74	-0.58	0.00	102.74	185.89	189.08	0.00	0.00	0.00	51.64
				17	106.16	-0.06	0.00	106.16	185.89	189.74	0.00	0.00	0.00	53.12
				18	106.08	0.20	0.00	106.08	185.89	189.57	0.00	0.00	0.00	53.08
				19	106.24	-0.20	0.00	106.24	185.89	189.57	0.00	0.00	0.00	53.14
				20	106.16	0.06	0.00	106.16	185.89	189.74	0.00	0.00	0.00	53.12
				21	99.22	0.54	0.00	99.22	185.89	189.11	0.00	0.00	0.00	50.14
				22	102.33	0.55	0.00	102.33	185.89	189.12	0.00	0.00	0.00	51.46
				23	99.36	0.29	0.00	99.36	185.89	189.44	0.00	0.00	0.00	50.22
				24	102.47	0.30	0.00	102.47	185.89	189.44	0.00	0.00	0.00	51.54
				39	99.10	-0.05	0.00	99.10	185.89	189.75	0.00	0.00	0.00	50.12

				40	99.07	0.05	0.00	99.07	185.89	189.76	0.00	0.00	0.00	50.11
				41	99.13	-0.11	0.00	99.13	185.89	189.68	0.00	0.00	0.00	50.13
				42	99.10	-0.00	0.00	99.10	185.89	189.82	0.00	0.00	0.00	50.13
				43	100.44	-0.14	0.00	100.44	185.89	189.63	0.00	0.00	0.00	50.69
				44	101.57	-0.14	0.00	101.57	185.89	189.64	0.00	0.00	0.00	51.17
				45	100.50	-0.24	0.00	100.50	185.89	189.50	0.00	0.00	0.00	50.71
				46	101.63	-0.24	0.00	101.63	185.89	189.51	0.00	0.00	0.00	51.18
				47	102.86	-0.04	0.00	102.86	185.89	189.77	0.00	0.00	0.00	51.72
				48	102.83	0.06	0.00	102.83	185.89	189.74	0.00	0.00	0.00	51.70
				49	102.89	-0.09	0.00	102.89	185.89	189.71	0.00	0.00	0.00	51.73
				50	102.86	0.01	0.00	102.86	185.89	189.80	0.00	0.00	0.00	51.72
				51	100.33	0.20	0.00	100.33	185.89	189.56	0.00	0.00	0.00	50.64
				52	101.46	0.20	0.00	101.46	185.89	189.56	0.00	0.00	0.00	51.11
				53	100.39	0.10	0.00	100.39	185.89	189.69	0.00	0.00	0.00	50.67
				54	101.52	0.10	0.00	101.52	185.89	189.69	0.00	0.00	0.00	51.14
1,2	0.800	7.830	0.800	9	264.81	5.50	0.00	264.81	521.70	518.15	0.00	0.00	0.00	134.91
				10	265.07	-0.35	0.00	265.07	521.70	520.70	0.00	0.00	0.00	135.14
				11	265.92	7.28	0.00	265.92	521.70	517.28	0.00	0.00	0.00	135.35
				12	266.18	1.44	0.00	266.18	521.70	520.17	0.00	0.00	0.00	135.58
				13	271.67	14.04	0.00	271.67	521.70	514.09	0.00	0.00	0.00	137.64
				14	278.21	16.16	0.00	278.21	521.70	513.25	0.00	0.00	0.00	140.38
				15	273.72	17.33	0.00	273.72	521.70	512.56	0.00	0.00	0.00	138.45
				16	280.26	19.45	0.00	280.26	521.70	511.76	0.00	0.00	0.00	141.18
				17	286.61	12.56	0.00	286.61	521.70	515.12	0.00	0.00	0.00	144.02
				18	286.87	6.72	0.00	286.87	521.70	517.80	0.00	0.00	0.00	144.25
				19	287.73	14.35	0.00	287.73	521.70	514.32	0.00	0.00	0.00	144.46
				20	287.98	8.50	0.00	287.98	521.70	517.00	0.00	0.00	0.00	144.69
				21	272.53	-5.45	0.00	272.53	521.70	518.25	0.00	0.00	0.00	138.19
				22	279.07	-3.33	0.00	279.07	521.70	519.31	0.00	0.00	0.00	141.01
				23	274.59	-2.15	0.00	274.59	521.70	519.85	0.00	0.00	0.00	139.13
				24	281.13	-0.03	0.00	281.13	521.70	520.86	0.00	0.00	0.00	141.95
				39	272.18	6.52	0.00	272.18	521.70	517.73	0.00	0.00	0.00	138.02
				40	272.28	4.24	0.00	272.28	521.70	518.83	0.00	0.00	0.00	138.11
				41	272.60	7.20	0.00	272.60	521.70	517.40	0.00	0.00	0.00	138.19
				42	272.71	4.93	0.00	272.71	521.70	518.50	0.00	0.00	0.00	138.28
				43	274.62	9.75	0.00	274.62	521.70	516.21	0.00	0.00	0.00	138.99
				44	276.99	10.51	0.00	276.99	521.70	515.89	0.00	0.00	0.00	139.98
				45	275.45	11.07	0.00	275.45	521.70	515.60	0.00	0.00	0.00	139.31
				46	277.82	11.84	0.00	277.82	521.70	515.28	0.00	0.00	0.00	140.30
				47	280.08	9.07	0.00	280.08	521.70	516.62	0.00	0.00	0.00	141.32
				48	280.19	6.80	0.00	280.19	521.70	517.69	0.00	0.00	0.00	141.41
				49	280.51	9.76	0.00	280.51	521.70	516.31	0.00	0.00	0.00	141.49
				50	280.61	7.48	0.00	280.61	521.70	517.37	0.00	0.00	0.00	141.58
				51	274.97	2.17	0.00	274.97	521.70	519.84	0.00	0.00	0.00	139.30
				52	277.35	2.93	0.00	277.35	521.70	519.49	0.00	0.00	0.00	140.29
				53	275.80	3.49	0.00	275.80	521.70	519.22	0.00	0.00	0.00	139.62
				54	278.17	4.25	0.00	278.17	521.70	518.87	0.00	0.00	0.00	140.61
5,1	0.800	1.340	0.800	9	44.74	0.02	0.00	44.74	89.28	94.52	0.00	0.00	0.00	22.86
				10	46.82	-0.13	0.00	46.82	89.28	94.22	0.00	0.00	0.00	23.73
				11	44.00	0.09	0.00	44.00	89.28	94.29	0.00	0.00	0.00	22.54
				12	46.08	-0.05	0.00	46.08	89.28	94.43	0.00	0.00	0.00	23.42
				13	43.76	0.16	0.00	43.76	89.28	94.10	0.00	0.00	0.00	22.43
				14	44.73	0.16	0.00	44.73	89.28	94.12	0.00	0.00	0.00	22.84
				15	42.39	0.29	0.00	42.39	89.28	93.66	0.00	0.00	0.00	21.83
				16	43.36	0.29	0.00	43.36	89.28	93.69	0.00	0.00	0.00	22.24
				17	47.97	0.01	0.00	47.97	89.28	94.54	0.00	0.00	0.00	24.23
				18	50.05	-0.13	0.00	50.05	89.28	94.23	0.00	0.00	0.00	25.10
				19	47.23	0.09	0.00	47.23	89.28	94.33	0.00	0.00	0.00	23.91
				20	49.31	-0.06	0.00	49.31	89.28	94.42	0.00	0.00	0.00	24.79
				21	50.69	-0.33	0.00	50.69	89.28	93.72	0.00	0.00	0.00	25.35
				22	51.66	-0.33	0.00	51.66	89.28	93.73	0.00	0.00	0.00	25.76
				23	49.32	-0.19	0.00	49.32	89.28	94.06	0.00	0.00	0.00	24.78
				24	50.29	-0.20	0.00	50.29	89.28	94.06	0.00	0.00	0.00	25.19
				39	46.17	-0.00	0.00	46.17	89.28	94.57	0.00	0.00	0.00	23.47

				40	46.98	-0.06	0.00	46.98	89.28	94.41	0.00	0.00	0.00	23.81
				41	45.89	0.03	0.00	45.89	89.28	94.50	0.00	0.00	0.00	23.35
				42	46.70	-0.03	0.00	46.70	89.28	94.49	0.00	0.00	0.00	23.69
				43	45.77	0.05	0.00	45.77	89.28	94.43	0.00	0.00	0.00	23.30
				44	46.12	0.05	0.00	46.12	89.28	94.44	0.00	0.00	0.00	23.44
				45	45.22	0.10	0.00	45.22	89.28	94.27	0.00	0.00	0.00	23.06
				46	45.58	0.10	0.00	45.58	89.28	94.28	0.00	0.00	0.00	23.21
				47	47.35	-0.01	0.00	47.35	89.28	94.56	0.00	0.00	0.00	23.97
				48	48.16	-0.06	0.00	48.16	89.28	94.41	0.00	0.00	0.00	24.31
				49	47.06	0.02	0.00	47.06	89.28	94.51	0.00	0.00	0.00	23.85
				50	47.87	-0.03	0.00	47.87	89.28	94.48	0.00	0.00	0.00	24.19
				51	48.47	-0.14	0.00	48.47	89.28	94.19	0.00	0.00	0.00	24.43
				52	48.82	-0.14	0.00	48.82	89.28	94.20	0.00	0.00	0.00	24.58
				53	47.92	-0.09	0.00	47.92	89.28	94.34	0.00	0.00	0.00	24.20
				54	48.28	-0.09	0.00	48.28	89.28	94.34	0.00	0.00	0.00	24.35
45,46	0.800	1.340	0.800	9	51.68	-0.15	-0.00	51.68	89.28	94.18	0.00	0.00	0.00	25.79
				10	49.39	-0.12	-0.00	49.39	89.28	94.25	0.00	0.00	0.00	24.82
				11	51.35	-0.16	-0.00	51.35	89.28	94.17	0.00	0.00	0.00	25.65
				12	49.05	-0.13	-0.00	49.05	89.28	94.23	0.00	0.00	0.00	24.68
				13	53.06	-0.11	-0.00	53.06	89.28	94.30	0.00	0.00	0.00	26.38
				14	51.82	-0.05	-0.00	51.82	89.28	94.45	0.00	0.00	0.00	25.86
				15	52.44	-0.12	-0.00	52.44	89.28	94.26	0.00	0.00	0.00	26.12
				16	51.21	-0.06	-0.00	51.21	89.28	94.42	0.00	0.00	0.00	25.60
				17	47.56	0.06	0.00	47.56	89.28	94.41	0.00	0.00	0.00	24.05
				18	45.27	0.09	0.00	45.27	89.28	94.31	0.00	0.00	0.00	23.08
				19	47.23	0.06	0.00	47.23	89.28	94.42	0.00	0.00	0.00	23.91
				20	44.94	0.09	0.00	44.94	89.28	94.32	0.00	0.00	0.00	22.94
				21	45.41	-0.01	-0.00	45.41	89.28	94.55	0.00	0.00	0.00	23.15
				22	44.18	0.06	0.00	44.18	89.28	94.41	0.00	0.00	0.00	22.62
				23	44.79	-0.02	-0.00	44.79	89.28	94.52	0.00	0.00	0.00	22.88
				24	43.56	0.05	0.00	43.56	89.28	94.44	0.00	0.00	0.00	22.36
				39	49.58	-0.08	-0.00	49.58	89.28	94.37	0.00	0.00	0.00	24.91
				40	48.66	-0.06	-0.00	48.66	89.28	94.40	0.00	0.00	0.00	24.52
				41	49.45	-0.08	-0.00	49.45	89.28	94.36	0.00	0.00	0.00	24.85
				42	48.53	-0.07	-0.00	48.53	89.28	94.39	0.00	0.00	0.00	24.46
				43	50.19	-0.06	-0.00	50.19	89.28	94.41	0.00	0.00	0.00	25.17
				44	49.75	-0.04	-0.00	49.75	89.28	94.47	0.00	0.00	0.00	24.98
				45	49.95	-0.07	-0.00	49.95	89.28	94.40	0.00	0.00	0.00	25.06
				46	49.50	-0.05	-0.00	49.50	89.28	94.46	0.00	0.00	0.00	24.88
				47	48.09	0.00	0.00	48.09	89.28	94.58	0.00	0.00	0.00	24.28
				48	47.16	0.01	0.00	47.16	89.28	94.54	0.00	0.00	0.00	23.89
				49	47.96	-0.00	-0.00	47.96	89.28	94.57	0.00	0.00	0.00	24.23
				50	47.04	0.01	0.00	47.04	89.28	94.55	0.00	0.00	0.00	23.84
				51	47.12	-0.02	-0.00	47.12	89.28	94.52	0.00	0.00	0.00	23.87
				52	46.67	0.00	0.00	46.67	89.28	94.57	0.00	0.00	0.00	23.68
				53	46.87	-0.03	-0.00	46.87	89.28	94.50	0.00	0.00	0.00	23.76
				54	46.42	-0.00	-0.00	46.42	89.28	94.57	0.00	0.00	0.00	23.58
44,45	0.800	6.010	0.800	9	220.90	-6.44	-0.00	220.90	400.44	397.50	0.00	0.00	0.00	110.96
				10	213.25	-4.27	-0.00	213.25	400.44	398.70	0.00	0.00	0.00	107.77
				11	219.38	-6.18	-0.00	219.38	400.44	397.63	0.00	0.00	0.00	110.32
				12	211.73	-4.01	-0.00	211.73	400.44	398.84	0.00	0.00	0.00	107.13
				13	228.87	-6.40	-0.00	228.87	400.44	397.66	0.00	0.00	0.00	114.34
				14	227.50	-4.10	-0.00	227.50	400.44	398.96	0.00	0.00	0.00	113.82
				15	226.06	-5.91	-0.00	226.06	400.44	397.89	0.00	0.00	0.00	113.16
				16	224.69	-3.62	-0.00	224.69	400.44	399.21	0.00	0.00	0.00	112.64
				17	216.34	1.21	0.00	216.34	400.44	400.60	0.00	0.00	0.00	109.16
				18	208.69	3.37	0.00	208.69	400.44	399.21	0.00	0.00	0.00	105.86
				19	214.82	1.47	0.00	214.82	400.44	400.43	0.00	0.00	0.00	108.51
				20	207.17	3.63	0.00	207.17	400.44	399.03	0.00	0.00	0.00	105.20
				21	203.38	0.82	0.00	203.38	400.44	400.80	0.00	0.00	0.00	103.67
				22	202.01	3.11	0.00	202.01	400.44	399.31	0.00	0.00	0.00	103.03
				23	200.57	1.30	0.00	200.57	400.44	400.48	0.00	0.00	0.00	102.47
				24	199.20	3.59	0.00	199.20	400.44	398.96	0.00	0.00	0.00	101.82
				39	216.69	-3.28	-0.00	216.69	400.44	399.34	0.00	0.00	0.00	109.26

				40	213.62	-2.42	-0.00	213.62	400.44	399.84	0.00	0.00	0.00	107.97
				41	216.11	-3.18	-0.00	216.11	400.44	399.40	0.00	0.00	0.00	109.01
				42	213.03	-2.31	-0.00	213.03	400.44	399.90	0.00	0.00	0.00	107.73
				43	219.97	-3.36	-0.00	219.97	400.44	399.32	0.00	0.00	0.00	110.64
				44	219.48	-2.52	-0.00	219.48	400.44	399.82	0.00	0.00	0.00	110.46
				45	218.85	-3.17	-0.00	218.85	400.44	399.43	0.00	0.00	0.00	110.17
				46	218.35	-2.33	-0.00	218.35	400.44	399.93	0.00	0.00	0.00	109.98
				47	215.04	-0.49	-0.00	215.04	400.44	401.03	0.00	0.00	0.00	108.63
				48	211.96	0.37	0.00	211.96	400.44	401.10	0.00	0.00	0.00	107.33
				49	214.45	-0.39	-0.00	214.45	400.44	401.09	0.00	0.00	0.00	108.38
				50	211.38	0.47	0.00	211.38	400.44	401.03	0.00	0.00	0.00	107.08
				51	209.72	-0.47	-0.00	209.72	400.44	401.03	0.00	0.00	0.00	106.37
				52	209.22	0.36	0.00	209.22	400.44	401.10	0.00	0.00	0.00	106.17
				53	208.59	-0.28	-0.00	208.59	400.44	401.15	0.00	0.00	0.00	105.90
				54	208.10	0.56	0.00	208.10	400.44	400.98	0.00	0.00	0.00	105.68
43,44	0.800	6.010	0.800	9	215.48	0.15	0.00	215.48	400.44	401.24	0.00	0.00	0.00	108.83
				10	210.16	0.54	0.00	210.16	400.44	400.99	0.00	0.00	0.00	106.56
				11	214.50	0.52	0.00	214.50	400.44	401.01	0.00	0.00	0.00	108.40
				12	209.18	0.91	0.00	209.18	400.44	400.76	0.00	0.00	0.00	106.13
				13	222.61	-0.80	-0.00	222.61	400.44	400.86	0.00	0.00	0.00	111.83
				14	223.04	-1.08	-0.00	223.04	400.44	400.69	0.00	0.00	0.00	112.00
				15	220.79	-0.12	-0.00	220.79	400.44	401.26	0.00	0.00	0.00	111.08
				16	221.22	-0.40	-0.00	221.22	400.44	401.09	0.00	0.00	0.00	111.25
				17	216.91	-0.79	-0.00	216.91	400.44	400.85	0.00	0.00	0.00	109.41
				18	211.59	-0.40	-0.00	211.59	400.44	401.08	0.00	0.00	0.00	107.17
				19	215.93	-0.42	-0.00	215.93	400.44	401.07	0.00	0.00	0.00	109.01
				20	210.61	-0.02	-0.00	210.61	400.44	401.31	0.00	0.00	0.00	106.76
				21	204.87	0.52	0.00	204.87	400.44	401.00	0.00	0.00	0.00	104.32
				22	205.30	0.24	0.00	205.30	400.44	401.18	0.00	0.00	0.00	104.51
				23	203.05	1.20	0.00	203.05	400.44	400.55	0.00	0.00	0.00	103.53
				24	203.48	0.92	0.00	203.48	400.44	400.73	0.00	0.00	0.00	103.72
				39	214.04	0.08	0.00	214.04	400.44	401.28	0.00	0.00	0.00	108.22
				40	211.90	0.24	0.00	211.90	400.44	401.18	0.00	0.00	0.00	107.30
				41	213.67	0.22	0.00	213.67	400.44	401.19	0.00	0.00	0.00	108.05
				42	211.52	0.38	0.00	211.52	400.44	401.09	0.00	0.00	0.00	107.14
				43	216.91	-0.29	-0.00	216.91	400.44	401.15	0.00	0.00	0.00	109.43
				44	217.06	-0.39	-0.00	217.06	400.44	401.09	0.00	0.00	0.00	109.49
				45	216.18	-0.02	-0.00	216.18	400.44	401.32	0.00	0.00	0.00	109.12
				46	216.34	-0.12	-0.00	216.34	400.44	401.26	0.00	0.00	0.00	109.19
				47	214.57	-0.26	-0.00	214.57	400.44	401.17	0.00	0.00	0.00	108.44
				48	212.42	-0.10	-0.00	212.42	400.44	401.26	0.00	0.00	0.00	107.53
				49	214.19	-0.12	-0.00	214.19	400.44	401.25	0.00	0.00	0.00	108.28
				50	212.04	0.04	0.00	212.04	400.44	401.31	0.00	0.00	0.00	107.37
				51	209.75	0.24	0.00	209.75	400.44	401.18	0.00	0.00	0.00	106.39
				52	209.91	0.14	0.00	209.91	400.44	401.24	0.00	0.00	0.00	106.46
				53	209.02	0.51	0.00	209.02	400.44	401.01	0.00	0.00	0.00	106.08
				54	209.18	0.41	0.00	209.18	400.44	401.07	0.00	0.00	0.00	106.15
42,43	0.800	6.010	0.800	9	215.72	0.57	0.00	215.72	400.44	400.98	0.00	0.00	0.00	108.92
				10	210.73	0.59	0.00	210.73	400.44	400.96	0.00	0.00	0.00	106.80
				11	215.26	0.91	0.00	215.26	400.44	400.77	0.00	0.00	0.00	108.71
				12	210.27	0.93	0.00	210.27	400.44	400.75	0.00	0.00	0.00	106.59
				13	221.93	-0.02	-0.00	221.93	400.44	401.32	0.00	0.00	0.00	111.56
				14	222.09	-0.38	-0.00	222.09	400.44	401.10	0.00	0.00	0.00	111.62
				15	221.08	0.61	0.00	221.08	400.44	400.96	0.00	0.00	0.00	111.19
				16	221.24	0.25	0.00	221.24	400.44	401.18	0.00	0.00	0.00	111.27
				17	216.26	-0.64	-0.00	216.26	400.44	400.94	0.00	0.00	0.00	109.14
				18	211.26	-0.62	-0.00	211.26	400.44	400.94	0.00	0.00	0.00	107.03
				19	215.80	-0.29	-0.00	215.80	400.44	401.15	0.00	0.00	0.00	108.96
				20	210.81	-0.28	-0.00	210.81	400.44	401.16	0.00	0.00	0.00	106.84
				21	205.28	0.04	0.00	205.28	400.44	401.30	0.00	0.00	0.00	104.51
				22	205.45	-0.32	-0.00	205.45	400.44	401.12	0.00	0.00	0.00	104.57
				23	204.44	0.67	0.00	204.44	400.44	400.90	0.00	0.00	0.00	104.13
				24	204.60	0.31	0.00	204.60	400.44	401.13	0.00	0.00	0.00	104.21
				39	214.26	0.29	0.00	214.26	400.44	401.15	0.00	0.00	0.00	108.30

				40	212.25	0.30	0.00	212.25	400.44	401.14	0.00	0.00	0.00	107.45
				41	214.08	0.43	0.00	214.08	400.44	401.07	0.00	0.00	0.00	108.23
				42	212.07	0.44	0.00	212.07	400.44	401.06	0.00	0.00	0.00	107.37
				43	216.76	0.07	0.00	216.76	400.44	401.29	0.00	0.00	0.00	109.37
				44	216.82	-0.06	-0.00	216.82	400.44	401.29	0.00	0.00	0.00	109.40
				45	216.42	0.32	0.00	216.42	400.44	401.13	0.00	0.00	0.00	109.22
				46	216.48	0.19	0.00	216.48	400.44	401.21	0.00	0.00	0.00	109.25
				47	214.46	-0.14	-0.00	214.46	400.44	401.24	0.00	0.00	0.00	108.39
				48	212.44	-0.13	-0.00	212.44	400.44	401.25	0.00	0.00	0.00	107.54
				49	214.28	-0.01	-0.00	214.28	400.44	401.32	0.00	0.00	0.00	108.32
				50	212.27	-0.00	-0.00	212.27	400.44	401.33	0.00	0.00	0.00	107.47
				51	210.05	0.10	0.00	210.05	400.44	401.27	0.00	0.00	0.00	106.52
				52	210.11	-0.03	-0.00	210.11	400.44	401.31	0.00	0.00	0.00	106.55
				53	209.71	0.35	0.00	209.71	400.44	401.11	0.00	0.00	0.00	106.37
				54	209.77	0.22	0.00	209.77	400.44	401.19	0.00	0.00	0.00	106.40
41,42	0.800	6.010	0.800	9	216.18	0.82	0.00	216.18	400.44	400.83	0.00	0.00	0.00	109.10
				10	211.43	1.00	0.00	211.43	400.44	400.70	0.00	0.00	0.00	107.09
				11	216.30	1.25	0.00	216.30	400.44	400.57	0.00	0.00	0.00	109.14
				12	211.55	1.44	0.00	211.55	400.44	400.44	0.00	0.00	0.00	107.13
				13	221.50	-0.14	-0.00	221.50	400.44	401.25	0.00	0.00	0.00	111.38
				14	221.35	-0.62	-0.00	221.35	400.44	400.96	0.00	0.00	0.00	111.30
				15	221.72	0.66	0.00	221.72	400.44	400.94	0.00	0.00	0.00	111.46
				16	221.57	0.18	0.00	221.57	400.44	401.22	0.00	0.00	0.00	111.41
				17	215.70	-0.78	-0.00	215.70	400.44	400.86	0.00	0.00	0.00	108.90
				18	210.95	-0.59	-0.00	210.95	400.44	400.96	0.00	0.00	0.00	106.89
				19	215.81	-0.34	-0.00	215.81	400.44	401.12	0.00	0.00	0.00	108.96
				20	211.07	-0.16	-0.00	211.07	400.44	401.23	0.00	0.00	0.00	106.95
				21	205.67	0.48	0.00	205.67	400.44	401.02	0.00	0.00	0.00	104.66
				22	205.53	-0.00	-0.00	205.53	400.44	401.33	0.00	0.00	0.00	104.61
				23	205.89	1.28	0.00	205.89	400.44	400.51	0.00	0.00	0.00	104.73
				24	205.75	0.80	0.00	205.75	400.44	400.82	0.00	0.00	0.00	104.68
				39	214.64	0.49	0.00	214.64	400.44	401.03	0.00	0.00	0.00	108.46
				40	212.74	0.58	0.00	212.74	400.44	400.97	0.00	0.00	0.00	107.65
				41	214.69	0.66	0.00	214.69	400.44	400.93	0.00	0.00	0.00	108.47
				42	212.78	0.75	0.00	212.78	400.44	400.87	0.00	0.00	0.00	107.67
				43	216.78	0.11	0.00	216.78	400.44	401.26	0.00	0.00	0.00	109.38
				44	216.72	-0.06	-0.00	216.72	400.44	401.29	0.00	0.00	0.00	109.35
				45	216.86	0.43	0.00	216.86	400.44	401.07	0.00	0.00	0.00	109.40
				46	216.81	0.25	0.00	216.81	400.44	401.17	0.00	0.00	0.00	109.39
				47	214.46	-0.09	-0.00	214.46	400.44	401.28	0.00	0.00	0.00	108.40
				48	212.56	0.00	0.00	212.56	400.44	401.33	0.00	0.00	0.00	107.59
				49	214.51	0.08	0.00	214.51	400.44	401.28	0.00	0.00	0.00	108.42
				50	212.61	0.17	0.00	212.61	400.44	401.22	0.00	0.00	0.00	107.61
				51	210.44	0.41	0.00	210.44	400.44	401.08	0.00	0.00	0.00	106.68
				52	210.38	0.23	0.00	210.38	400.44	401.18	0.00	0.00	0.00	106.66
				53	210.53	0.73	0.00	210.53	400.44	400.88	0.00	0.00	0.00	106.71
				54	210.47	0.55	0.00	210.47	400.44	400.98	0.00	0.00	0.00	106.69
40,41	0.800	6.230	0.800	9	225.68	1.28	0.00	225.68	415.10	415.03	0.00	0.00	0.00	113.76
				10	220.48	0.75	0.00	220.48	415.10	415.34	0.00	0.00	0.00	111.57
				11	226.63	1.86	0.00	226.63	415.10	414.70	0.00	0.00	0.00	114.15
				12	221.42	1.32	0.00	221.42	415.10	415.00	0.00	0.00	0.00	111.95
				13	230.48	1.15	0.00	230.48	415.10	415.12	0.00	0.00	0.00	115.80
				14	229.72	0.71	0.00	229.72	415.10	415.38	0.00	0.00	0.00	115.49
				15	232.22	2.21	0.00	232.22	415.10	414.53	0.00	0.00	0.00	116.51
				16	231.47	1.76	0.00	231.47	415.10	414.78	0.00	0.00	0.00	116.20
				17	223.17	-0.20	-0.00	223.17	415.10	415.66	0.00	0.00	0.00	112.73
				18	217.97	-0.74	-0.00	217.97	415.10	415.33	0.00	0.00	0.00	110.50
				19	224.12	0.37	0.00	224.12	415.10	415.56	0.00	0.00	0.00	113.12
				20	218.91	-0.17	-0.00	218.91	415.10	415.68	0.00	0.00	0.00	110.92
				21	213.13	-0.64	-0.00	213.13	415.10	415.38	0.00	0.00	0.00	108.46
				22	212.38	-1.09	-0.00	212.38	415.10	415.11	0.00	0.00	0.00	108.12
				23	214.87	0.41	0.00	214.87	415.10	415.53	0.00	0.00	0.00	109.20
				24	214.12	-0.04	-0.00	214.12	415.10	415.76	0.00	0.00	0.00	108.89
				39	223.59	0.81	0.00	223.59	415.10	415.31	0.00	0.00	0.00	112.89

				40	221.55	0.63	0.00	221.55	415.10	415.41	0.00	0.00	0.00	112.03
				41	223.95	1.02	0.00	223.95	415.10	415.18	0.00	0.00	0.00	113.03
				42	221.92	0.85	0.00	221.92	415.10	415.28	0.00	0.00	0.00	112.18
				43	225.48	0.72	0.00	225.48	415.10	415.36	0.00	0.00	0.00	113.69
				44	225.20	0.56	0.00	225.20	415.10	415.45	0.00	0.00	0.00	113.58
				45	226.18	1.14	0.00	226.18	415.10	415.12	0.00	0.00	0.00	113.97
				46	225.90	0.98	0.00	225.90	415.10	415.21	0.00	0.00	0.00	113.86
				47	222.68	0.27	0.00	222.68	415.10	415.62	0.00	0.00	0.00	112.51
				48	220.65	0.09	0.00	220.65	415.10	415.72	0.00	0.00	0.00	111.66
				49	223.04	0.49	0.00	223.04	415.10	415.49	0.00	0.00	0.00	112.66
				50	221.01	0.31	0.00	221.01	415.10	415.59	0.00	0.00	0.00	111.80
				51	218.69	0.14	0.00	218.69	415.10	415.70	0.00	0.00	0.00	110.83
				52	218.42	-0.03	-0.00	218.42	415.10	415.76	0.00	0.00	0.00	110.72
				53	219.39	0.56	0.00	219.39	415.10	415.45	0.00	0.00	0.00	111.11
				54	219.12	0.40	0.00	219.12	415.10	415.54	0.00	0.00	0.00	111.00
39,40	0.800	6.385	0.800	9	231.10	0.42	0.00	231.10	425.42	425.72	0.00	0.00	0.00	116.53
				10	225.21	0.26	0.00	225.21	425.42	425.81	0.00	0.00	0.00	114.04
				11	232.80	0.93	0.00	232.80	425.42	425.44	0.00	0.00	0.00	117.24
				12	226.91	0.77	0.00	226.91	425.42	425.51	0.00	0.00	0.00	114.75
				13	236.31	-0.48	-0.00	236.31	425.42	425.70	0.00	0.00	0.00	118.74
				14	235.49	-1.21	-0.00	235.49	425.42	425.29	0.00	0.00	0.00	118.37
				15	239.44	0.47	0.00	239.44	425.42	425.71	0.00	0.00	0.00	120.06
				16	238.62	-0.27	-0.00	238.62	425.42	425.81	0.00	0.00	0.00	119.72
				17	228.38	-2.04	-0.00	228.38	425.42	424.79	0.00	0.00	0.00	115.34
				18	222.49	-2.19	-0.00	222.49	425.42	424.67	0.00	0.00	0.00	112.84
				19	230.08	-1.53	-0.00	230.08	425.42	425.09	0.00	0.00	0.00	116.07
				20	224.19	-1.68	-0.00	224.19	425.42	424.98	0.00	0.00	0.00	113.57
				21	216.67	-0.99	-0.00	216.67	425.42	425.36	0.00	0.00	0.00	110.40
				22	215.86	-1.73	-0.00	215.86	425.42	424.91	0.00	0.00	0.00	110.03
				23	219.80	-0.05	-0.00	219.80	425.42	425.93	0.00	0.00	0.00	111.75
				24	218.99	-0.79	-0.00	218.99	425.42	425.49	0.00	0.00	0.00	111.39
				39	228.94	-0.26	-0.00	228.94	425.42	425.81	0.00	0.00	0.00	115.62
				40	226.68	-0.31	-0.00	226.68	425.42	425.78	0.00	0.00	0.00	114.66
				41	229.59	-0.07	-0.00	229.59	425.42	425.92	0.00	0.00	0.00	115.90
				42	227.33	-0.11	-0.00	227.33	425.42	425.89	0.00	0.00	0.00	114.94
				43	230.93	-0.61	-0.00	230.93	425.42	425.62	0.00	0.00	0.00	116.46
				44	230.64	-0.87	-0.00	230.64	425.42	425.46	0.00	0.00	0.00	116.32
				45	232.19	-0.23	-0.00	232.19	425.42	425.83	0.00	0.00	0.00	117.00
				46	231.89	-0.49	-0.00	231.89	425.42	425.68	0.00	0.00	0.00	116.87
				47	227.96	-1.15	-0.00	227.96	425.42	425.30	0.00	0.00	0.00	115.18
				48	225.70	-1.20	-0.00	225.70	425.42	425.26	0.00	0.00	0.00	114.22
				49	228.61	-0.95	-0.00	228.61	425.42	425.41	0.00	0.00	0.00	115.46
				50	226.35	-1.00	-0.00	226.35	425.42	425.38	0.00	0.00	0.00	114.50
				51	223.40	-0.77	-0.00	223.40	425.42	425.51	0.00	0.00	0.00	113.26
				52	223.10	-1.04	-0.00	223.10	425.42	425.35	0.00	0.00	0.00	113.12
				53	224.65	-0.39	-0.00	224.65	425.42	425.73	0.00	0.00	0.00	113.80
				54	224.36	-0.66	-0.00	224.36	425.42	425.58	0.00	0.00	0.00	113.67
4,39	0.800	6.385	0.800	9	227.06	-5.12	-0.00	227.06	425.42	423.00	0.00	0.00	0.00	114.70
				10	221.07	-5.54	-0.00	221.07	425.42	422.67	0.00	0.00	0.00	112.14
				11	229.15	-5.06	-0.00	229.15	425.42	423.06	0.00	0.00	0.00	115.59
				12	223.16	-5.48	-0.00	223.16	425.42	422.73	0.00	0.00	0.00	113.03
				13	234.04	-0.99	-0.00	234.04	425.42	425.40	0.00	0.00	0.00	117.76
				14	234.80	2.15	0.00	234.80	425.42	424.76	0.00	0.00	0.00	118.05
				15	237.90	-0.88	-0.00	237.90	425.42	425.47	0.00	0.00	0.00	119.40
				16	238.66	2.26	0.00	238.66	425.42	424.72	0.00	0.00	0.00	119.69
				17	229.58	5.34	0.00	229.58	425.42	422.91	0.00	0.00	0.00	115.76
				18	223.60	4.92	0.00	223.60	425.42	423.07	0.00	0.00	0.00	113.23
				19	231.68	5.40	0.00	231.68	425.42	422.90	0.00	0.00	0.00	116.65
				20	225.69	4.98	0.00	225.69	425.42	423.06	0.00	0.00	0.00	114.12
				21	214.08	-2.40	-0.00	214.08	425.42	424.49	0.00	0.00	0.00	109.26
				22	214.84	0.74	0.00	214.84	425.42	425.51	0.00	0.00	0.00	109.63
				23	217.95	-2.29	-0.00	217.95	425.42	424.58	0.00	0.00	0.00	110.91
				24	218.71	0.85	0.00	218.71	425.42	425.45	0.00	0.00	0.00	111.27
				39	226.67	-1.88	-0.00	226.67	425.42	424.87	0.00	0.00	0.00	114.61

				40	224.36	-2.07	-0.00	224.36	425.42	424.75	0.00	0.00	0.00	113.63
				41	227.47	-1.86	-0.00	227.47	425.42	424.89	0.00	0.00	0.00	114.95
				42	225.16	-2.05	-0.00	225.16	425.42	424.76	0.00	0.00	0.00	113.97
				43	229.30	-0.34	-0.00	229.30	425.42	425.76	0.00	0.00	0.00	115.77
				44	229.58	0.80	0.00	229.58	425.42	425.51	0.00	0.00	0.00	115.88
				45	230.85	-0.30	-0.00	230.85	425.42	425.79	0.00	0.00	0.00	116.43
				46	231.13	0.84	0.00	231.13	425.42	425.48	0.00	0.00	0.00	116.53
				47	227.58	1.91	0.00	227.58	425.42	424.86	0.00	0.00	0.00	115.00
				48	225.28	1.72	0.00	225.28	425.42	424.96	0.00	0.00	0.00	114.03
				49	228.39	1.93	0.00	228.39	425.42	424.85	0.00	0.00	0.00	115.34
				50	226.08	1.74	0.00	226.08	425.42	424.95	0.00	0.00	0.00	114.37
				51	221.62	-0.98	-0.00	221.62	425.42	425.38	0.00	0.00	0.00	112.50
				52	221.89	0.15	0.00	221.89	425.42	425.87	0.00	0.00	0.00	112.64
				53	223.17	-0.94	-0.00	223.17	425.42	425.41	0.00	0.00	0.00	113.15
				54	223.44	0.20	0.00	223.44	425.42	425.84	0.00	0.00	0.00	113.29
38,4	0.800	1.340	0.800	9	45.77	-0.14	-0.00	45.77	89.28	94.17	0.00	0.00	0.00	23.28
				10	44.32	-0.16	-0.00	44.32	89.28	94.11	0.00	0.00	0.00	22.67
				11	46.13	-0.15	-0.00	46.13	89.28	94.15	0.00	0.00	0.00	23.44
				12	44.68	-0.17	-0.00	44.68	89.28	94.08	0.00	0.00	0.00	22.82
				13	49.18	0.01	0.00	49.18	89.28	94.54	0.00	0.00	0.00	24.74
				14	50.77	0.13	0.00	50.77	89.28	94.25	0.00	0.00	0.00	25.41
				15	49.84	-0.01	-0.00	49.84	89.28	94.56	0.00	0.00	0.00	25.02
				16	51.43	0.10	0.00	51.43	89.28	94.31	0.00	0.00	0.00	25.69
				17	51.09	0.23	0.00	51.09	89.28	93.98	0.00	0.00	0.00	25.53
				18	49.64	0.22	0.00	49.64	89.28	94.01	0.00	0.00	0.00	24.91
				19	51.45	0.22	0.00	51.45	89.28	94.01	0.00	0.00	0.00	25.68
				20	50.00	0.20	0.00	50.00	89.28	94.04	0.00	0.00	0.00	25.07
				21	44.34	-0.04	-0.00	44.34	89.28	94.46	0.00	0.00	0.00	22.69
				22	45.93	0.07	0.00	45.93	89.28	94.37	0.00	0.00	0.00	23.36
				23	45.00	-0.06	-0.00	45.00	89.28	94.40	0.00	0.00	0.00	22.97
				24	46.59	0.05	0.00	46.59	89.28	94.43	0.00	0.00	0.00	23.64
				39	47.14	-0.03	-0.00	47.14	89.28	94.49	0.00	0.00	0.00	23.88
				40	46.57	-0.04	-0.00	46.57	89.28	94.47	0.00	0.00	0.00	23.64
				41	47.27	-0.03	-0.00	47.27	89.28	94.48	0.00	0.00	0.00	23.93
				42	46.71	-0.04	-0.00	46.71	89.28	94.46	0.00	0.00	0.00	23.69
				43	48.41	0.03	0.00	48.41	89.28	94.50	0.00	0.00	0.00	24.42
				44	48.99	0.07	0.00	48.99	89.28	94.39	0.00	0.00	0.00	24.66
				45	48.67	0.02	0.00	48.67	89.28	94.53	0.00	0.00	0.00	24.53
				46	49.25	0.06	0.00	49.25	89.28	94.42	0.00	0.00	0.00	24.77
				47	49.06	0.11	0.00	49.06	89.28	94.30	0.00	0.00	0.00	24.68
				48	48.50	0.10	0.00	48.50	89.28	94.31	0.00	0.00	0.00	24.44
				49	49.20	0.10	0.00	49.20	89.28	94.31	0.00	0.00	0.00	24.74
				50	48.63	0.09	0.00	48.63	89.28	94.32	0.00	0.00	0.00	24.50
				51	46.52	0.01	0.00	46.52	89.28	94.56	0.00	0.00	0.00	23.62
				52	47.10	0.05	0.00	47.10	89.28	94.45	0.00	0.00	0.00	23.86
				53	46.78	-0.00	-0.00	46.78	89.28	94.57	0.00	0.00	0.00	23.73
				54	47.36	0.04	0.00	47.36	89.28	94.47	0.00	0.00	0.00	23.97
36,37	0.800	1.340	0.800	9	49.85	-0.15	-0.00	49.85	89.28	94.18	0.00	0.00	0.00	25.01
				10	49.40	-0.15	-0.00	49.40	89.28	94.18	0.00	0.00	0.00	24.82
				11	49.79	-0.15	-0.00	49.79	89.28	94.17	0.00	0.00	0.00	24.99
				12	49.34	-0.15	-0.00	49.34	89.28	94.18	0.00	0.00	0.00	24.80
				13	49.43	-0.09	-0.00	49.43	89.28	94.34	0.00	0.00	0.00	24.84
				14	48.62	-0.03	-0.00	48.62	89.28	94.49	0.00	0.00	0.00	24.50
				15	49.33	-0.09	-0.00	49.33	89.28	94.33	0.00	0.00	0.00	24.80
				16	48.51	-0.04	-0.00	48.51	89.28	94.48	0.00	0.00	0.00	24.46
				17	47.12	0.04	0.00	47.12	89.28	94.48	0.00	0.00	0.00	23.87
				18	46.68	0.04	0.00	46.68	89.28	94.47	0.00	0.00	0.00	23.68
				19	47.06	0.03	0.00	47.06	89.28	94.48	0.00	0.00	0.00	23.84
				20	46.62	0.04	0.00	46.62	89.28	94.47	0.00	0.00	0.00	23.66
				21	47.95	-0.08	-0.00	47.95	89.28	94.36	0.00	0.00	0.00	24.22
				22	47.14	-0.02	-0.00	47.14	89.28	94.51	0.00	0.00	0.00	23.88
				23	47.85	-0.08	-0.00	47.85	89.28	94.35	0.00	0.00	0.00	24.17
				24	47.03	-0.03	-0.00	47.03	89.28	94.50	0.00	0.00	0.00	23.83
				39	48.83	-0.09	-0.00	48.83	89.28	94.33	0.00	0.00	0.00	24.59

				40	48.65	-0.09	-0.00	48.65	89.28	94.33	0.00	0.00	0.00	24.51
				41	48.81	-0.09	-0.00	48.81	89.28	94.33	0.00	0.00	0.00	24.58
				42	48.63	-0.09	-0.00	48.63	89.28	94.33	0.00	0.00	0.00	24.50
				43	48.70	-0.07	-0.00	48.70	89.28	94.39	0.00	0.00	0.00	24.53
				44	48.40	-0.05	-0.00	48.40	89.28	94.45	0.00	0.00	0.00	24.41
				45	48.66	-0.07	-0.00	48.66	89.28	94.39	0.00	0.00	0.00	24.52
				46	48.36	-0.05	-0.00	48.36	89.28	94.44	0.00	0.00	0.00	24.39
				47	47.84	-0.02	-0.00	47.84	89.28	94.51	0.00	0.00	0.00	24.17
				48	47.66	-0.02	-0.00	47.66	89.28	94.51	0.00	0.00	0.00	24.10
				49	47.81	-0.02	-0.00	47.81	89.28	94.51	0.00	0.00	0.00	24.16
				50	47.64	-0.02	-0.00	47.64	89.28	94.51	0.00	0.00	0.00	24.09
				51	48.11	-0.06	-0.00	48.11	89.28	94.40	0.00	0.00	0.00	24.28
				52	47.81	-0.04	-0.00	47.81	89.28	94.45	0.00	0.00	0.00	24.16
				53	48.06	-0.07	-0.00	48.06	89.28	94.40	0.00	0.00	0.00	24.26
				54	47.77	-0.05	-0.00	47.77	89.28	94.45	0.00	0.00	0.00	24.14
35,36	0.800	6.010	0.800	9	212.79	-6.44	-0.00	212.79	400.44	397.35	0.00	0.00	0.00	107.51
				10	210.75	-6.65	-0.00	210.75	400.44	397.19	0.00	0.00	0.00	106.64
				11	212.36	-6.57	-0.00	212.36	400.44	397.26	0.00	0.00	0.00	107.33
				12	210.33	-6.78	-0.00	210.33	400.44	397.10	0.00	0.00	0.00	106.46
				13	214.89	-4.38	-0.00	214.89	400.44	398.65	0.00	0.00	0.00	108.46
				14	214.51	-2.86	-0.00	214.51	400.44	399.58	0.00	0.00	0.00	108.34
				15	214.11	-4.62	-0.00	214.11	400.44	398.50	0.00	0.00	0.00	108.12
				16	213.73	-3.10	-0.00	213.73	400.44	399.42	0.00	0.00	0.00	108.00
				17	211.51	-1.38	-0.00	211.51	400.44	400.47	0.00	0.00	0.00	107.11
				18	209.48	-1.59	-0.00	209.48	400.44	400.33	0.00	0.00	0.00	106.24
				19	211.09	-1.51	-0.00	211.09	400.44	400.39	0.00	0.00	0.00	106.92
				20	209.05	-1.72	-0.00	209.05	400.44	400.25	0.00	0.00	0.00	106.06
				21	208.11	-5.06	-0.00	208.11	400.44	398.13	0.00	0.00	0.00	105.56
				22	207.73	-3.54	-0.00	207.73	400.44	399.09	0.00	0.00	0.00	105.44
				23	207.33	-5.30	-0.00	207.33	400.44	397.97	0.00	0.00	0.00	105.22
				24	206.95	-3.78	-0.00	206.95	400.44	398.93	0.00	0.00	0.00	105.10
				39	211.65	-4.94	-0.00	211.65	400.44	398.26	0.00	0.00	0.00	107.07
				40	210.83	-5.02	-0.00	210.83	400.44	398.20	0.00	0.00	0.00	106.72
				41	211.48	-4.99	-0.00	211.48	400.44	398.23	0.00	0.00	0.00	107.00
				42	210.66	-5.07	-0.00	210.66	400.44	398.16	0.00	0.00	0.00	106.65
				43	212.51	-4.17	-0.00	212.51	400.44	398.75	0.00	0.00	0.00	107.46
				44	212.37	-3.61	-0.00	212.37	400.44	399.09	0.00	0.00	0.00	107.41
				45	212.20	-4.27	-0.00	212.20	400.44	398.69	0.00	0.00	0.00	107.32
				46	212.06	-3.71	-0.00	212.06	400.44	399.03	0.00	0.00	0.00	107.28
				47	211.18	-3.09	-0.00	211.18	400.44	399.41	0.00	0.00	0.00	106.92
				48	210.36	-3.17	-0.00	210.36	400.44	399.35	0.00	0.00	0.00	106.57
				49	211.01	-3.14	-0.00	211.01	400.44	399.38	0.00	0.00	0.00	106.85
				50	210.19	-3.22	-0.00	210.19	400.44	399.32	0.00	0.00	0.00	106.50
				51	209.78	-4.45	-0.00	209.78	400.44	398.54	0.00	0.00	0.00	106.29
				52	209.64	-3.90	-0.00	209.64	400.44	398.89	0.00	0.00	0.00	106.24
				53	209.47	-4.55	-0.00	209.47	400.44	398.48	0.00	0.00	0.00	106.15
				54	209.32	-3.99	-0.00	209.32	400.44	398.82	0.00	0.00	0.00	106.11
34,35	0.800	6.010	0.800	9	207.35	0.03	0.00	207.35	400.44	401.31	0.00	0.00	0.00	105.38
				10	205.13	0.03	0.00	205.13	400.44	401.31	0.00	0.00	0.00	104.44
				11	206.90	0.13	0.00	206.90	400.44	401.25	0.00	0.00	0.00	105.19
				12	204.67	0.13	0.00	204.67	400.44	401.25	0.00	0.00	0.00	104.24
				13	210.75	-0.51	-0.00	210.75	400.44	401.01	0.00	0.00	0.00	106.81
				14	211.27	-0.93	-0.00	211.27	400.44	400.75	0.00	0.00	0.00	107.02
				15	209.91	-0.33	-0.00	209.91	400.44	401.12	0.00	0.00	0.00	106.46
				16	210.44	-0.75	-0.00	210.44	400.44	400.86	0.00	0.00	0.00	106.67
				17	209.10	-1.37	-0.00	209.10	400.44	400.47	0.00	0.00	0.00	106.09
				18	206.88	-1.37	-0.00	206.88	400.44	400.46	0.00	0.00	0.00	105.14
				19	208.65	-1.27	-0.00	208.65	400.44	400.53	0.00	0.00	0.00	105.90
				20	206.42	-1.27	-0.00	206.42	400.44	400.52	0.00	0.00	0.00	104.95
				21	203.34	-0.49	-0.00	203.34	400.44	401.01	0.00	0.00	0.00	103.67
				22	203.86	-0.91	-0.00	203.86	400.44	400.74	0.00	0.00	0.00	103.88
				23	202.50	-0.32	-0.00	202.50	400.44	401.12	0.00	0.00	0.00	103.32
				24	203.02	-0.74	-0.00	203.02	400.44	400.85	0.00	0.00	0.00	103.53
				39	207.10	-0.38	-0.00	207.10	400.44	401.08	0.00	0.00	0.00	105.27

				40	206.20	-0.38	-0.00	206.20	400.44	401.08	0.00	0.00	0.00	104.89
				41	206.93	-0.35	-0.00	206.93	400.44	401.11	0.00	0.00	0.00	105.19
				42	206.03	-0.35	-0.00	206.03	400.44	401.11	0.00	0.00	0.00	104.81
				43	208.45	-0.58	-0.00	208.45	400.44	400.96	0.00	0.00	0.00	105.83
				44	208.65	-0.74	-0.00	208.65	400.44	400.86	0.00	0.00	0.00	105.91
				45	208.12	-0.51	-0.00	208.12	400.44	401.01	0.00	0.00	0.00	105.69
				46	208.31	-0.67	-0.00	208.31	400.44	400.91	0.00	0.00	0.00	105.77
				47	207.74	-0.90	-0.00	207.74	400.44	400.76	0.00	0.00	0.00	105.52
				48	206.84	-0.89	-0.00	206.84	400.44	400.76	0.00	0.00	0.00	105.14
				49	207.57	-0.86	-0.00	207.57	400.44	400.78	0.00	0.00	0.00	105.45
				50	206.67	-0.86	-0.00	206.67	400.44	400.78	0.00	0.00	0.00	105.07
				51	205.46	-0.58	-0.00	205.46	400.44	400.96	0.00	0.00	0.00	104.57
				52	205.65	-0.73	-0.00	205.65	400.44	400.86	0.00	0.00	0.00	104.64
				53	205.13	-0.51	-0.00	205.13	400.44	401.00	0.00	0.00	0.00	104.43
				54	205.32	-0.66	-0.00	205.32	400.44	400.91	0.00	0.00	0.00	104.50
33,34	0.800	6.010	0.800	9	207.75	0.85	0.00	207.75	400.44	400.79	0.00	0.00	0.00	105.53
				10	205.55	0.85	0.00	205.55	400.44	400.78	0.00	0.00	0.00	104.60
				11	207.50	0.99	0.00	207.50	400.44	400.70	0.00	0.00	0.00	105.42
				12	205.30	0.99	0.00	205.30	400.44	400.70	0.00	0.00	0.00	104.49
				13	210.54	0.31	0.00	210.54	400.44	401.14	0.00	0.00	0.00	106.73
				14	210.64	-0.11	-0.00	210.64	400.44	401.26	0.00	0.00	0.00	106.78
				15	210.08	0.55	0.00	210.08	400.44	400.98	0.00	0.00	0.00	106.53
				16	210.19	0.14	0.00	210.19	400.44	401.24	0.00	0.00	0.00	106.58
				17	208.10	-0.54	-0.00	208.10	400.44	400.99	0.00	0.00	0.00	105.68
				18	205.90	-0.54	-0.00	205.90	400.44	400.98	0.00	0.00	0.00	104.75
				19	207.85	-0.41	-0.00	207.85	400.44	401.07	0.00	0.00	0.00	105.58
				20	205.65	-0.41	-0.00	205.65	400.44	401.07	0.00	0.00	0.00	104.65
				21	203.21	0.31	0.00	203.21	400.44	401.13	0.00	0.00	0.00	103.62
				22	203.32	-0.11	-0.00	203.32	400.44	401.26	0.00	0.00	0.00	103.67
				23	202.75	0.56	0.00	202.75	400.44	400.97	0.00	0.00	0.00	103.42
				24	202.86	0.14	0.00	202.86	400.44	401.24	0.00	0.00	0.00	103.47
				39	207.13	0.45	0.00	207.13	400.44	401.04	0.00	0.00	0.00	105.28
				40	206.24	0.45	0.00	206.24	400.44	401.04	0.00	0.00	0.00	104.90
				41	207.03	0.50	0.00	207.03	400.44	401.01	0.00	0.00	0.00	105.23
				42	206.14	0.50	0.00	206.14	400.44	401.01	0.00	0.00	0.00	104.86
				43	208.26	0.25	0.00	208.26	400.44	401.17	0.00	0.00	0.00	105.76
				44	208.29	0.09	0.00	208.29	400.44	401.27	0.00	0.00	0.00	105.78
				45	208.07	0.34	0.00	208.07	400.44	401.11	0.00	0.00	0.00	105.68
				46	208.11	0.19	0.00	208.11	400.44	401.21	0.00	0.00	0.00	105.70
				47	207.26	-0.06	-0.00	207.26	400.44	401.29	0.00	0.00	0.00	105.34
				48	206.36	-0.06	-0.00	206.36	400.44	401.29	0.00	0.00	0.00	104.96
				49	207.16	-0.01	-0.00	207.16	400.44	401.32	0.00	0.00	0.00	105.30
				50	206.27	-0.01	-0.00	206.27	400.44	401.33	0.00	0.00	0.00	104.92
				51	205.29	0.25	0.00	205.29	400.44	401.17	0.00	0.00	0.00	104.50
				52	205.33	0.10	0.00	205.33	400.44	401.27	0.00	0.00	0.00	104.52
				53	205.10	0.35	0.00	205.10	400.44	401.10	0.00	0.00	0.00	104.42
				54	205.14	0.20	0.00	205.14	400.44	401.20	0.00	0.00	0.00	104.44
32,33	0.800	6.010	0.800	9	209.98	2.55	0.00	209.98	400.44	399.73	0.00	0.00	0.00	106.43
				10	207.94	2.79	0.00	207.94	400.44	399.56	0.00	0.00	0.00	105.55
				11	209.94	2.64	0.00	209.94	400.44	399.67	0.00	0.00	0.00	106.41
				12	207.90	2.88	0.00	207.90	400.44	399.51	0.00	0.00	0.00	105.53
				13	211.50	1.04	0.00	211.50	400.44	400.68	0.00	0.00	0.00	107.11
				14	210.74	0.02	0.00	210.74	400.44	401.32	0.00	0.00	0.00	106.82
				15	211.42	1.21	0.00	211.42	400.44	400.58	0.00	0.00	0.00	107.07
				16	210.66	0.19	0.00	210.66	400.44	401.21	0.00	0.00	0.00	106.78
				17	207.46	-0.85	-0.00	207.46	400.44	400.79	0.00	0.00	0.00	105.41
				18	205.42	-0.61	-0.00	205.42	400.44	400.94	0.00	0.00	0.00	104.55
				19	207.42	-0.76	-0.00	207.42	400.44	400.85	0.00	0.00	0.00	105.39
				20	205.37	-0.52	-0.00	205.37	400.44	401.00	0.00	0.00	0.00	104.53
				21	204.70	1.84	0.00	204.70	400.44	400.15	0.00	0.00	0.00	104.20
				22	203.94	0.82	0.00	203.94	400.44	400.80	0.00	0.00	0.00	103.91
				23	204.61	2.01	0.00	204.61	400.44	400.04	0.00	0.00	0.00	104.17
				24	203.86	0.99	0.00	203.86	400.44	400.69	0.00	0.00	0.00	103.87
				39	208.55	1.57	0.00	208.55	400.44	400.34	0.00	0.00	0.00	105.85

				40	207.73	1.66	0.00	207.73	400.44	400.28	0.00	0.00	0.00	105.50
				41	208.54	1.60	0.00	208.54	400.44	400.32	0.00	0.00	0.00	105.84
				42	207.72	1.70	0.00	207.72	400.44	400.25	0.00	0.00	0.00	105.49
				43	209.20	1.00	0.00	209.20	400.44	400.70	0.00	0.00	0.00	106.14
				44	208.93	0.63	0.00	208.93	400.44	400.93	0.00	0.00	0.00	106.03
				45	209.17	1.07	0.00	209.17	400.44	400.66	0.00	0.00	0.00	106.12
				46	208.89	0.70	0.00	208.89	400.44	400.89	0.00	0.00	0.00	106.02
				47	207.64	0.33	0.00	207.64	400.44	401.12	0.00	0.00	0.00	105.50
				48	206.82	0.43	0.00	206.82	400.44	401.05	0.00	0.00	0.00	105.15
				49	207.62	0.37	0.00	207.62	400.44	401.10	0.00	0.00	0.00	105.49
				50	206.80	0.47	0.00	206.80	400.44	401.03	0.00	0.00	0.00	105.14
				51	206.46	1.33	0.00	206.46	400.44	400.48	0.00	0.00	0.00	104.97
				52	206.19	0.96	0.00	206.19	400.44	400.72	0.00	0.00	0.00	104.86
				53	206.43	1.40	0.00	206.43	400.44	400.44	0.00	0.00	0.00	104.95
				54	206.15	1.03	0.00	206.15	400.44	400.67	0.00	0.00	0.00	104.85
31,32	0.800	6.230	0.800	9	221.13	-0.56	-0.00	221.13	415.10	415.44	0.00	0.00	0.00	111.85
				10	220.81	1.24	0.00	220.81	415.10	415.04	0.00	0.00	0.00	111.69
				11	221.03	-0.72	-0.00	221.03	415.10	415.35	0.00	0.00	0.00	111.80
				12	220.70	1.09	0.00	220.70	415.10	415.13	0.00	0.00	0.00	111.65
				13	219.34	-2.09	-0.00	219.34	415.10	414.53	0.00	0.00	0.00	111.05
				14	217.44	-1.65	-0.00	217.44	415.10	414.78	0.00	0.00	0.00	110.26
				15	219.15	-2.38	-0.00	219.15	415.10	414.35	0.00	0.00	0.00	110.96
				16	217.25	-1.94	-0.00	217.25	415.10	414.61	0.00	0.00	0.00	110.17
				17	214.81	0.92	0.00	214.81	415.10	415.22	0.00	0.00	0.00	109.16
				18	214.48	2.73	0.00	214.48	415.10	414.11	0.00	0.00	0.00	108.97
				19	214.70	0.76	0.00	214.70	415.10	415.32	0.00	0.00	0.00	109.12
				20	214.38	2.57	0.00	214.38	415.10	414.21	0.00	0.00	0.00	108.93
				21	218.26	3.94	0.00	218.26	415.10	413.41	0.00	0.00	0.00	110.54
				22	216.36	4.38	0.00	216.36	415.10	413.12	0.00	0.00	0.00	109.72
				23	218.07	3.65	0.00	218.07	415.10	413.58	0.00	0.00	0.00	110.47
				24	216.17	4.09	0.00	216.17	415.10	413.29	0.00	0.00	0.00	109.65
				39	218.99	0.40	0.00	218.99	415.10	415.54	0.00	0.00	0.00	110.95
				40	218.85	1.12	0.00	218.85	415.10	415.11	0.00	0.00	0.00	110.87
				41	218.95	0.34	0.00	218.95	415.10	415.57	0.00	0.00	0.00	110.93
				42	218.81	1.06	0.00	218.81	415.10	415.14	0.00	0.00	0.00	110.85
				43	218.37	-0.22	-0.00	218.37	415.10	415.65	0.00	0.00	0.00	110.69
				44	217.68	-0.06	-0.00	217.68	415.10	415.74	0.00	0.00	0.00	110.40
				45	218.29	-0.34	-0.00	218.29	415.10	415.58	0.00	0.00	0.00	110.65
				46	217.60	-0.17	-0.00	217.60	415.10	415.67	0.00	0.00	0.00	110.36
				47	216.70	0.94	0.00	216.70	415.10	415.21	0.00	0.00	0.00	109.96
				48	216.56	1.66	0.00	216.56	415.10	414.77	0.00	0.00	0.00	109.88
				49	216.66	0.88	0.00	216.66	415.10	415.25	0.00	0.00	0.00	109.95
				50	216.52	1.60	0.00	216.52	415.10	414.81	0.00	0.00	0.00	109.87
				51	217.91	2.18	0.00	217.91	415.10	414.47	0.00	0.00	0.00	110.44
				52	217.22	2.34	0.00	217.22	415.10	414.37	0.00	0.00	0.00	110.14
				53	217.83	2.06	0.00	217.83	415.10	414.54	0.00	0.00	0.00	110.41
				54	217.14	2.22	0.00	217.14	415.10	414.44	0.00	0.00	0.00	110.11
3,31	0.800	12.770	0.800	9	441.68	19.70	0.00	441.68	850.85	839.50	0.00	0.00	0.00	224.13
				10	439.27	25.30	0.00	439.27	850.85	837.80	0.00	0.00	0.00	223.03
				11	441.17	19.44	0.00	441.17	850.85	839.57	0.00	0.00	0.00	223.91
				12	438.76	25.04	0.00	438.76	850.85	837.87	0.00	0.00	0.00	222.81
				13	443.38	7.08	0.00	443.38	850.85	843.27	0.00	0.00	0.00	225.01
				14	442.24	1.76	0.00	442.24	850.85	844.84	0.00	0.00	0.00	224.60
				15	442.44	6.60	0.00	442.44	850.85	843.40	0.00	0.00	0.00	224.62
				16	441.30	1.28	0.00	441.30	850.85	844.98	0.00	0.00	0.00	224.21
				17	437.88	1.98	0.00	437.88	850.85	844.77	0.00	0.00	0.00	222.75
				18	435.47	7.58	0.00	435.47	850.85	843.08	0.00	0.00	0.00	221.65
				19	437.37	1.72	0.00	437.37	850.85	844.85	0.00	0.00	0.00	222.54
				20	434.96	7.32	0.00	434.96	850.85	843.15	0.00	0.00	0.00	221.44
				21	435.34	25.74	0.00	435.34	850.85	837.60	0.00	0.00	0.00	221.35
				22	434.20	20.43	0.00	434.20	850.85	839.18	0.00	0.00	0.00	220.94
				23	434.40	25.26	0.00	434.40	850.85	837.72	0.00	0.00	0.00	220.96
				24	433.26	19.95	0.00	433.26	850.85	839.32	0.00	0.00	0.00	220.55
				39	437.94	17.26	0.00	437.94	850.85	840.19	0.00	0.00	0.00	222.57

				40	440.26	16.29	0.00	440.26	850.85	840.50	0.00	0.00	0.00	223.57
				41	437.74	17.16	0.00	437.74	850.85	840.21	0.00	0.00	0.00	222.49
				42	440.07	16.19	0.00	440.07	850.85	840.53	0.00	0.00	0.00	223.49
				43	434.84	16.19	0.00	434.84	850.85	840.47	0.00	0.00	0.00	221.27
				44	434.43	14.26	0.00	434.43	850.85	841.05	0.00	0.00	0.00	221.12
				45	434.46	16.00	0.00	434.46	850.85	840.53	0.00	0.00	0.00	221.11
				46	434.06	14.07	0.00	434.06	850.85	841.11	0.00	0.00	0.00	220.96
				47	436.58	10.83	0.00	436.58	850.85	842.11	0.00	0.00	0.00	222.08
				48	438.90	9.85	0.00	438.90	850.85	842.41	0.00	0.00	0.00	223.08
				49	436.38	10.73	0.00	436.38	850.85	842.13	0.00	0.00	0.00	222.00
				50	438.71	9.75	0.00	438.71	850.85	842.44	0.00	0.00	0.00	222.99
				51	442.59	12.94	0.00	442.59	850.85	841.52	0.00	0.00	0.00	224.60
				52	442.18	11.01	0.00	442.18	850.85	842.09	0.00	0.00	0.00	224.45
				53	442.21	12.75	0.00	442.21	850.85	841.58	0.00	0.00	0.00	224.44
				54	441.80	10.82	0.00	441.80	850.85	842.15	0.00	0.00	0.00	224.29
30,3	0.800	1.340	0.800	9	44.81	-0.26	-0.00	44.81	89.28	93.82	0.00	0.00	0.00	22.86
				10	45.04	-0.25	-0.00	45.04	89.28	93.85	0.00	0.00	0.00	22.96
				11	44.72	-0.26	-0.00	44.72	89.28	93.81	0.00	0.00	0.00	22.82
				12	44.95	-0.25	-0.00	44.95	89.28	93.84	0.00	0.00	0.00	22.92
				13	47.35	-0.01	-0.00	47.35	89.28	94.55	0.00	0.00	0.00	23.97
				14	49.72	0.21	0.00	49.72	89.28	94.02	0.00	0.00	0.00	24.95
				15	47.17	-0.01	-0.00	47.17	89.28	94.54	0.00	0.00	0.00	23.89
				16	49.55	0.21	0.00	49.55	89.28	94.02	0.00	0.00	0.00	24.88
				17	52.73	0.48	0.00	52.73	89.28	93.38	0.00	0.00	0.00	26.20
				18	52.97	0.49	0.00	52.97	89.28	93.37	0.00	0.00	0.00	26.30
				19	52.64	0.48	0.00	52.64	89.28	93.39	0.00	0.00	0.00	26.16
				20	52.88	0.49	0.00	52.88	89.28	93.37	0.00	0.00	0.00	26.26
				21	48.13	0.02	0.00	48.13	89.28	94.53	0.00	0.00	0.00	24.30
				22	50.51	0.24	0.00	50.51	89.28	93.96	0.00	0.00	0.00	25.28
				23	47.96	0.02	0.00	47.96	89.28	94.54	0.00	0.00	0.00	24.23
				24	50.34	0.24	0.00	50.34	89.28	93.96	0.00	0.00	0.00	25.21
				39	47.38	-0.02	-0.00	47.38	89.28	94.52	0.00	0.00	0.00	23.98
				40	47.47	-0.02	-0.00	47.47	89.28	94.53	0.00	0.00	0.00	24.02
				41	47.34	-0.02	-0.00	47.34	89.28	94.52	0.00	0.00	0.00	23.97
				42	47.43	-0.02	-0.00	47.43	89.28	94.52	0.00	0.00	0.00	24.00
				43	48.30	0.07	0.00	48.30	89.28	94.39	0.00	0.00	0.00	24.36
				44	49.16	0.15	0.00	49.16	89.28	94.18	0.00	0.00	0.00	24.72
				45	48.23	0.07	0.00	48.23	89.28	94.39	0.00	0.00	0.00	24.33
				46	49.09	0.15	0.00	49.09	89.28	94.18	0.00	0.00	0.00	24.69
				47	50.25	0.25	0.00	50.25	89.28	93.93	0.00	0.00	0.00	25.17
				48	50.34	0.25	0.00	50.34	89.28	93.93	0.00	0.00	0.00	25.21
				49	50.21	0.25	0.00	50.21	89.28	93.93	0.00	0.00	0.00	25.16
				50	50.31	0.25	0.00	50.31	89.28	93.93	0.00	0.00	0.00	25.19
				51	48.60	0.08	0.00	48.60	89.28	94.36	0.00	0.00	0.00	24.49
				52	49.46	0.16	0.00	49.46	89.28	94.15	0.00	0.00	0.00	24.85
				53	48.53	0.08	0.00	48.53	89.28	94.37	0.00	0.00	0.00	24.46
				54	49.39	0.16	0.00	49.39	89.28	94.16	0.00	0.00	0.00	24.82
28,29	0.800	1.340	0.800	9	49.34	-0.15	-0.00	49.34	89.28	94.18	0.00	0.00	0.00	24.79
				10	49.63	-0.15	-0.00	49.63	89.28	94.19	0.00	0.00	0.00	24.92
				11	49.43	-0.15	-0.00	49.43	89.28	94.19	0.00	0.00	0.00	24.83
				12	49.72	-0.14	-0.00	49.72	89.28	94.20	0.00	0.00	0.00	24.96
				13	48.05	-0.09	-0.00	48.05	89.28	94.33	0.00	0.00	0.00	24.26
				14	47.27	-0.04	-0.00	47.27	89.28	94.47	0.00	0.00	0.00	23.93
				15	48.22	-0.09	-0.00	48.22	89.28	94.34	0.00	0.00	0.00	24.33
				16	47.44	-0.03	-0.00	47.44	89.28	94.48	0.00	0.00	0.00	24.01
				17	46.75	0.03	0.00	46.75	89.28	94.49	0.00	0.00	0.00	23.71
				18	47.04	0.03	0.00	47.04	89.28	94.48	0.00	0.00	0.00	23.83
				19	46.84	0.03	0.00	46.84	89.28	94.49	0.00	0.00	0.00	23.75
				20	47.13	0.04	0.00	47.13	89.28	94.48	0.00	0.00	0.00	23.87
				21	49.02	-0.08	-0.00	49.02	89.28	94.36	0.00	0.00	0.00	24.67
				22	48.25	-0.03	-0.00	48.25	89.28	94.50	0.00	0.00	0.00	24.35
				23	49.19	-0.08	-0.00	49.19	89.28	94.37	0.00	0.00	0.00	24.74
				24	48.42	-0.02	-0.00	48.42	89.28	94.51	0.00	0.00	0.00	24.42
				39	48.63	-0.09	-0.00	48.63	89.28	94.33	0.00	0.00	0.00	24.50

				40	48.75	-0.09	-0.00	48.75	89.28	94.34	0.00	0.00	0.00	24.55
				41	48.66	-0.09	-0.00	48.66	89.28	94.33	0.00	0.00	0.00	24.52
				42	48.78	-0.09	-0.00	48.78	89.28	94.34	0.00	0.00	0.00	24.57
				43	48.14	-0.07	-0.00	48.14	89.28	94.39	0.00	0.00	0.00	24.30
				44	47.86	-0.05	-0.00	47.86	89.28	94.44	0.00	0.00	0.00	24.18
				45	48.21	-0.07	-0.00	48.21	89.28	94.39	0.00	0.00	0.00	24.33
				46	47.93	-0.05	-0.00	47.93	89.28	94.44	0.00	0.00	0.00	24.21
				47	47.69	-0.03	-0.00	47.69	89.28	94.51	0.00	0.00	0.00	24.11
				48	47.80	-0.02	-0.00	47.80	89.28	94.51	0.00	0.00	0.00	24.16
				49	47.72	-0.02	-0.00	47.72	89.28	94.51	0.00	0.00	0.00	24.12
				50	47.84	-0.02	-0.00	47.84	89.28	94.51	0.00	0.00	0.00	24.17
				51	48.54	-0.07	-0.00	48.54	89.28	94.40	0.00	0.00	0.00	24.47
				52	48.25	-0.05	-0.00	48.25	89.28	94.45	0.00	0.00	0.00	24.35
				53	48.60	-0.06	-0.00	48.60	89.28	94.40	0.00	0.00	0.00	24.49
				54	48.32	-0.04	-0.00	48.32	89.28	94.46	0.00	0.00	0.00	24.38
27,28	0.800	6.010	0.800	9	210.46	-6.61	-0.00	210.46	400.44	397.20	0.00	0.00	0.00	106.52
				10	212.10	-6.29	-0.00	212.10	400.44	397.43	0.00	0.00	0.00	107.22
				11	210.96	-6.58	-0.00	210.96	400.44	397.23	0.00	0.00	0.00	106.73
				12	212.60	-6.26	-0.00	212.60	400.44	397.46	0.00	0.00	0.00	107.44
				13	207.95	-5.31	-0.00	207.95	400.44	397.98	0.00	0.00	0.00	105.49
				14	207.61	-3.86	-0.00	207.61	400.44	398.88	0.00	0.00	0.00	105.39
				15	208.87	-5.26	-0.00	208.87	400.44	398.02	0.00	0.00	0.00	105.88
				16	208.53	-3.82	-0.00	208.53	400.44	398.92	0.00	0.00	0.00	105.78
				17	209.33	-1.80	-0.00	209.33	400.44	400.20	0.00	0.00	0.00	106.17
				18	210.97	-1.48	-0.00	210.97	400.44	400.41	0.00	0.00	0.00	106.88
				19	209.83	-1.77	-0.00	209.83	400.44	400.22	0.00	0.00	0.00	106.39
				20	211.47	-1.45	-0.00	211.47	400.44	400.43	0.00	0.00	0.00	107.09
				21	213.40	-4.24	-0.00	213.40	400.44	398.72	0.00	0.00	0.00	107.83
				22	213.06	-2.80	-0.00	213.06	400.44	399.60	0.00	0.00	0.00	107.73
				23	214.32	-4.20	-0.00	214.32	400.44	398.76	0.00	0.00	0.00	108.22
				24	213.98	-2.75	-0.00	213.98	400.44	399.64	0.00	0.00	0.00	108.12
				39	210.75	-4.98	-0.00	210.75	400.44	398.22	0.00	0.00	0.00	106.69
				40	211.41	-4.85	-0.00	211.41	400.44	398.31	0.00	0.00	0.00	106.97
				41	210.94	-4.97	-0.00	210.94	400.44	398.23	0.00	0.00	0.00	106.77
				42	211.60	-4.84	-0.00	211.60	400.44	398.32	0.00	0.00	0.00	107.05
				43	209.74	-4.52	-0.00	209.74	400.44	398.50	0.00	0.00	0.00	106.27
				44	209.62	-3.99	-0.00	209.62	400.44	398.83	0.00	0.00	0.00	106.23
				45	210.11	-4.50	-0.00	210.11	400.44	398.51	0.00	0.00	0.00	106.43
				46	209.99	-3.97	-0.00	209.99	400.44	398.84	0.00	0.00	0.00	106.39
				47	210.33	-3.22	-0.00	210.33	400.44	399.32	0.00	0.00	0.00	106.56
				48	210.99	-3.09	-0.00	210.99	400.44	399.41	0.00	0.00	0.00	106.84
				49	210.52	-3.21	-0.00	210.52	400.44	399.33	0.00	0.00	0.00	106.64
				50	211.18	-3.08	-0.00	211.18	400.44	399.41	0.00	0.00	0.00	106.92
				51	211.94	-4.09	-0.00	211.94	400.44	398.79	0.00	0.00	0.00	107.22
				52	211.82	-3.56	-0.00	211.82	400.44	399.12	0.00	0.00	0.00	107.18
				53	212.31	-4.07	-0.00	212.31	400.44	398.81	0.00	0.00	0.00	107.37
				54	212.19	-3.54	-0.00	212.19	400.44	399.14	0.00	0.00	0.00	107.34
26,27	0.800	6.010	0.800	9	204.94	0.14	0.00	204.94	400.44	401.24	0.00	0.00	0.00	104.36
				10	206.88	0.12	0.00	206.88	400.44	401.25	0.00	0.00	0.00	105.18
				11	205.35	0.02	0.00	205.35	400.44	401.32	0.00	0.00	0.00	104.53
				12	207.29	-0.00	-0.00	207.29	400.44	401.33	0.00	0.00	0.00	105.36
				13	203.10	-0.27	-0.00	203.10	400.44	401.16	0.00	0.00	0.00	103.57
				14	203.62	-0.68	-0.00	203.62	400.44	400.89	0.00	0.00	0.00	103.78
				15	203.86	-0.49	-0.00	203.86	400.44	401.01	0.00	0.00	0.00	103.89
				16	204.37	-0.91	-0.00	204.37	400.44	400.75	0.00	0.00	0.00	104.10
				17	206.66	-1.24	-0.00	206.66	400.44	400.54	0.00	0.00	0.00	105.05
				18	208.60	-1.26	-0.00	208.60	400.44	400.54	0.00	0.00	0.00	105.88
				19	207.07	-1.36	-0.00	207.07	400.44	400.47	0.00	0.00	0.00	105.22
				20	209.01	-1.38	-0.00	209.01	400.44	400.46	0.00	0.00	0.00	106.05
				21	209.57	-0.33	-0.00	209.57	400.44	401.12	0.00	0.00	0.00	106.31
				22	210.09	-0.75	-0.00	210.09	400.44	400.86	0.00	0.00	0.00	106.52
				23	210.33	-0.56	-0.00	210.33	400.44	400.98	0.00	0.00	0.00	106.63
				24	210.84	-0.97	-0.00	210.84	400.44	400.72	0.00	0.00	0.00	106.84
				39	206.19	-0.34	-0.00	206.19	400.44	401.11	0.00	0.00	0.00	104.88

				40	206.97	-0.35	-0.00	206.97	400.44	401.11	0.00	0.00	0.00	105.21
				41	206.34	-0.39	-0.00	206.34	400.44	401.08	0.00	0.00	0.00	104.95
				42	207.13	-0.40	-0.00	207.13	400.44	401.08	0.00	0.00	0.00	105.28
				43	205.42	-0.48	-0.00	205.42	400.44	401.02	0.00	0.00	0.00	104.55
				44	205.61	-0.64	-0.00	205.61	400.44	400.92	0.00	0.00	0.00	104.63
				45	205.72	-0.58	-0.00	205.72	400.44	400.96	0.00	0.00	0.00	104.68
				46	205.91	-0.73	-0.00	205.91	400.44	400.87	0.00	0.00	0.00	104.75
				47	206.82	-0.84	-0.00	206.82	400.44	400.79	0.00	0.00	0.00	105.13
				48	207.60	-0.85	-0.00	207.60	400.44	400.79	0.00	0.00	0.00	105.46
				49	206.97	-0.89	-0.00	206.97	400.44	400.76	0.00	0.00	0.00	105.20
				50	207.76	-0.90	-0.00	207.76	400.44	400.76	0.00	0.00	0.00	105.53
				51	208.03	-0.51	-0.00	208.03	400.44	401.00	0.00	0.00	0.00	105.66
				52	208.22	-0.66	-0.00	208.22	400.44	400.91	0.00	0.00	0.00	105.73
				53	208.33	-0.60	-0.00	208.33	400.44	400.95	0.00	0.00	0.00	105.78
				54	208.52	-0.75	-0.00	208.52	400.44	400.85	0.00	0.00	0.00	105.86
25,26	0.800	6.010	0.800	9	205.60	0.98	0.00	205.60	400.44	400.70	0.00	0.00	0.00	104.61
				10	207.44	0.96	0.00	207.44	400.44	400.72	0.00	0.00	0.00	105.39
				11	205.80	0.86	0.00	205.80	400.44	400.78	0.00	0.00	0.00	104.70
				12	207.65	0.84	0.00	207.65	400.44	400.80	0.00	0.00	0.00	105.48
				13	203.48	0.58	0.00	203.48	400.44	400.96	0.00	0.00	0.00	103.72
				14	203.58	0.16	0.00	203.58	400.44	401.22	0.00	0.00	0.00	103.78
				15	203.86	0.35	0.00	203.86	400.44	401.10	0.00	0.00	0.00	103.89
				16	203.96	-0.06	-0.00	203.96	400.44	401.29	0.00	0.00	0.00	103.94
				17	205.93	-0.39	-0.00	205.93	400.44	401.08	0.00	0.00	0.00	104.77
				18	207.77	-0.41	-0.00	207.77	400.44	401.07	0.00	0.00	0.00	105.55
				19	206.14	-0.51	-0.00	206.14	400.44	401.00	0.00	0.00	0.00	104.86
				20	207.98	-0.53	-0.00	207.98	400.44	400.99	0.00	0.00	0.00	105.64
				21	209.61	0.51	0.00	209.61	400.44	401.01	0.00	0.00	0.00	106.33
				22	209.72	0.10	0.00	209.72	400.44	401.26	0.00	0.00	0.00	106.38
				23	210.00	0.29	0.00	210.00	400.44	401.15	0.00	0.00	0.00	106.50
				24	210.10	-0.13	-0.00	210.10	400.44	401.25	0.00	0.00	0.00	106.55
				39	206.32	0.50	0.00	206.32	400.44	401.01	0.00	0.00	0.00	104.93
				40	207.06	0.49	0.00	207.06	400.44	401.01	0.00	0.00	0.00	105.25
				41	206.40	0.45	0.00	206.40	400.44	401.04	0.00	0.00	0.00	104.97
				42	207.14	0.45	0.00	207.14	400.44	401.04	0.00	0.00	0.00	105.28
				43	205.46	0.36	0.00	205.46	400.44	401.10	0.00	0.00	0.00	104.57
				44	205.49	0.21	0.00	205.49	400.44	401.20	0.00	0.00	0.00	104.59
				45	205.61	0.27	0.00	205.61	400.44	401.16	0.00	0.00	0.00	104.64
				46	205.65	0.12	0.00	205.65	400.44	401.25	0.00	0.00	0.00	104.66
				47	206.44	0.00	0.00	206.44	400.44	401.33	0.00	0.00	0.00	105.00
				48	207.18	-0.00	-0.00	207.18	400.44	401.33	0.00	0.00	0.00	105.31
				49	206.52	-0.04	-0.00	206.52	400.44	401.30	0.00	0.00	0.00	105.03
				50	207.26	-0.05	-0.00	207.26	400.44	401.30	0.00	0.00	0.00	105.34
				51	207.93	0.33	0.00	207.93	400.44	401.12	0.00	0.00	0.00	105.62
				52	207.97	0.18	0.00	207.97	400.44	401.21	0.00	0.00	0.00	105.64
				53	208.09	0.24	0.00	208.09	400.44	401.18	0.00	0.00	0.00	105.69
				54	208.12	0.09	0.00	208.12	400.44	401.27	0.00	0.00	0.00	105.71
24,25	0.800	6.010	0.800	9	208.19	2.89	0.00	208.19	400.44	399.50	0.00	0.00	0.00	105.66
				10	209.87	2.64	0.00	209.87	400.44	399.68	0.00	0.00	0.00	106.38
				11	208.21	2.80	0.00	208.21	400.44	399.56	0.00	0.00	0.00	105.67
				12	209.89	2.54	0.00	209.89	400.44	399.74	0.00	0.00	0.00	106.39
				13	205.33	2.05	0.00	205.33	400.44	400.02	0.00	0.00	0.00	104.47
				14	204.58	1.03	0.00	204.58	400.44	400.66	0.00	0.00	0.00	104.18
				15	205.38	1.87	0.00	205.38	400.44	400.13	0.00	0.00	0.00	104.49
				16	204.62	0.86	0.00	204.62	400.44	400.78	0.00	0.00	0.00	104.20
				17	205.66	-0.49	-0.00	205.66	400.44	401.02	0.00	0.00	0.00	104.65
				18	207.34	-0.74	-0.00	207.34	400.44	400.86	0.00	0.00	0.00	105.36
				19	205.68	-0.58	-0.00	205.68	400.44	400.96	0.00	0.00	0.00	104.66
				20	207.36	-0.84	-0.00	207.36	400.44	400.80	0.00	0.00	0.00	105.36
				21	210.93	1.20	0.00	210.93	400.44	400.58	0.00	0.00	0.00	106.87
				22	210.17	0.18	0.00	210.17	400.44	401.22	0.00	0.00	0.00	106.57
				23	210.97	1.02	0.00	210.97	400.44	400.69	0.00	0.00	0.00	106.89
				24	210.22	0.00	0.00	210.22	400.44	401.33	0.00	0.00	0.00	106.60
				39	207.89	1.71	0.00	207.89	400.44	400.25	0.00	0.00	0.00	105.56

				40	208.57	1.61	0.00	208.57	400.44	400.32	0.00	0.00	0.00	105.85
				41	207.90	1.67	0.00	207.90	400.44	400.27	0.00	0.00	0.00	105.57
				42	208.58	1.57	0.00	208.58	400.44	400.34	0.00	0.00	0.00	105.86
				43	206.78	1.42	0.00	206.78	400.44	400.43	0.00	0.00	0.00	105.10
				44	206.50	1.05	0.00	206.50	400.44	400.66	0.00	0.00	0.00	104.99
				45	206.79	1.35	0.00	206.79	400.44	400.47	0.00	0.00	0.00	105.11
				46	206.52	0.98	0.00	206.52	400.44	400.71	0.00	0.00	0.00	105.00
				47	206.97	0.48	0.00	206.97	400.44	401.02	0.00	0.00	0.00	105.21
				48	207.65	0.38	0.00	207.65	400.44	401.09	0.00	0.00	0.00	105.50
				49	206.98	0.45	0.00	206.98	400.44	401.04	0.00	0.00	0.00	105.21
				50	207.66	0.34	0.00	207.66	400.44	401.11	0.00	0.00	0.00	105.50
				51	209.03	1.07	0.00	209.03	400.44	400.65	0.00	0.00	0.00	106.07
				52	208.76	0.71	0.00	208.76	400.44	400.88	0.00	0.00	0.00	105.96
				53	209.05	1.00	0.00	209.05	400.44	400.70	0.00	0.00	0.00	106.08
				54	208.77	0.63	0.00	208.77	400.44	400.93	0.00	0.00	0.00	105.97
23,24	0.800	6.230	0.800	9	221.04	1.08	0.00	221.04	415.10	415.14	0.00	0.00	0.00	111.80
				10	220.99	-0.65	-0.00	220.99	415.10	415.39	0.00	0.00	0.00	111.79
				11	221.15	1.29	0.00	221.15	415.10	415.02	0.00	0.00	0.00	111.84
				12	221.09	-0.45	-0.00	221.09	415.10	415.51	0.00	0.00	0.00	111.83
				13	218.88	3.55	0.00	218.88	415.10	413.65	0.00	0.00	0.00	110.81
				14	217.00	4.00	0.00	217.00	415.10	413.36	0.00	0.00	0.00	110.01
				15	219.06	3.92	0.00	219.06	415.10	413.43	0.00	0.00	0.00	110.88
				16	217.18	4.38	0.00	217.18	415.10	413.13	0.00	0.00	0.00	110.07
				17	214.78	2.60	0.00	214.78	415.10	414.19	0.00	0.00	0.00	109.10
				18	214.72	0.87	0.00	214.72	415.10	415.25	0.00	0.00	0.00	109.12
				19	214.88	2.80	0.00	214.88	415.10	414.07	0.00	0.00	0.00	109.14
				20	214.82	1.07	0.00	214.82	415.10	415.13	0.00	0.00	0.00	109.16
				21	218.68	-2.23	-0.00	218.68	415.10	414.44	0.00	0.00	0.00	110.77
				22	216.80	-1.77	-0.00	216.80	415.10	414.71	0.00	0.00	0.00	109.98
				23	218.87	-1.85	-0.00	218.87	415.10	414.67	0.00	0.00	0.00	110.86
				24	216.99	-1.40	-0.00	216.99	415.10	414.93	0.00	0.00	0.00	110.07
				39	219.05	1.10	0.00	219.05	415.10	415.12	0.00	0.00	0.00	110.95
				40	219.04	0.42	0.00	219.04	415.10	415.53	0.00	0.00	0.00	110.97
				41	219.09	1.18	0.00	219.09	415.10	415.07	0.00	0.00	0.00	110.97
				42	219.08	0.50	0.00	219.08	415.10	415.48	0.00	0.00	0.00	110.98
				43	218.25	2.06	0.00	218.25	415.10	414.54	0.00	0.00	0.00	110.59
				44	217.57	2.22	0.00	217.57	415.10	414.44	0.00	0.00	0.00	110.30
				45	218.33	2.21	0.00	218.33	415.10	414.45	0.00	0.00	0.00	110.62
				46	217.65	2.37	0.00	217.65	415.10	414.35	0.00	0.00	0.00	110.32
				47	216.78	1.65	0.00	216.78	415.10	414.78	0.00	0.00	0.00	109.98
				48	216.77	0.97	0.00	216.77	415.10	415.19	0.00	0.00	0.00	109.99
				49	216.82	1.73	0.00	216.82	415.10	414.73	0.00	0.00	0.00	109.99
				50	216.81	1.05	0.00	216.81	415.10	415.14	0.00	0.00	0.00	110.01
				51	218.22	-0.22	-0.00	218.22	415.10	415.65	0.00	0.00	0.00	110.62
				52	217.54	-0.05	-0.00	217.54	415.10	415.75	0.00	0.00	0.00	110.34
				53	218.29	-0.07	-0.00	218.29	415.10	415.74	0.00	0.00	0.00	110.66
				54	217.61	0.10	0.00	217.61	415.10	415.72	0.00	0.00	0.00	110.37
2,23	0.800	12.770	0.800	9	437.74	27.16	0.00	437.74	850.85	837.21	0.00	0.00	0.00	222.35
				10	442.53	16.64	0.00	442.53	850.85	840.43	0.00	0.00	0.00	224.53
				11	438.38	27.39	0.00	438.38	850.85	837.15	0.00	0.00	0.00	222.62
				12	443.18	16.87	0.00	443.18	850.85	840.36	0.00	0.00	0.00	224.80
				13	430.60	33.21	0.00	430.60	850.85	835.23	0.00	0.00	0.00	219.24
				14	429.50	27.95	0.00	429.50	850.85	836.82	0.00	0.00	0.00	218.84
				15	431.79	33.64	0.00	431.79	850.85	835.13	0.00	0.00	0.00	219.74
				16	430.69	28.38	0.00	430.69	850.85	836.71	0.00	0.00	0.00	219.34
				17	434.08	9.64	0.00	434.08	850.85	842.45	0.00	0.00	0.00	221.03
				18	438.87	-0.89	-0.00	438.87	850.85	845.10	0.00	0.00	0.00	223.18
				19	434.72	9.87	0.00	434.72	850.85	842.38	0.00	0.00	0.00	221.30
				20	439.52	-0.65	-0.00	439.52	850.85	845.17	0.00	0.00	0.00	223.46
				21	446.57	-1.88	-0.00	446.57	850.85	844.81	0.00	0.00	0.00	226.43
				22	445.48	-7.14	-0.00	445.48	850.85	843.26	0.00	0.00	0.00	225.90
				23	447.76	-1.45	-0.00	447.76	850.85	844.94	0.00	0.00	0.00	226.94
				24	446.67	-6.71	-0.00	446.67	850.85	843.39	0.00	0.00	0.00	226.41
				39	438.24	18.45	0.00	438.24	850.85	839.83	0.00	0.00	0.00	222.68

				40	440.07	14.33	0.00	440.07	850.85	841.09	0.00	0.00	0.00	223.51
				41	438.49	18.54	0.00	438.49	850.85	839.81	0.00	0.00	0.00	222.78
				42	440.32	14.42	0.00	440.32	850.85	841.06	0.00	0.00	0.00	223.62
				43	435.53	21.00	0.00	435.53	850.85	839.03	0.00	0.00	0.00	221.50
				44	435.13	19.09	0.00	435.13	850.85	839.60	0.00	0.00	0.00	221.35
				45	436.00	21.17	0.00	436.00	850.85	838.98	0.00	0.00	0.00	221.70
				46	435.61	19.27	0.00	435.61	850.85	839.55	0.00	0.00	0.00	221.55
				47	436.93	12.10	0.00	436.93	850.85	841.73	0.00	0.00	0.00	222.21
				48	438.77	7.97	0.00	438.77	850.85	842.98	0.00	0.00	0.00	223.04
				49	437.18	12.18	0.00	437.18	850.85	841.70	0.00	0.00	0.00	222.31
				50	439.01	8.06	0.00	439.01	850.85	842.95	0.00	0.00	0.00	223.15
				51	441.65	7.24	0.00	441.65	850.85	843.21	0.00	0.00	0.00	224.27
				52	441.25	5.33	0.00	441.25	850.85	843.78	0.00	0.00	0.00	224.13
				53	442.12	7.41	0.00	442.12	850.85	843.16	0.00	0.00	0.00	224.47
				54	441.73	5.51	0.00	441.73	850.85	843.73	0.00	0.00	0.00	224.33
22,2	0.800	1.340	0.800	9	45.05	-0.25	-0.00	45.05	89.28	93.86	0.00	0.00	0.00	22.96
				10	44.72	-0.26	-0.00	44.72	89.28	93.82	0.00	0.00	0.00	22.82
				11	45.24	-0.24	-0.00	45.24	89.28	93.89	0.00	0.00	0.00	23.05
				12	44.91	-0.25	-0.00	44.91	89.28	93.84	0.00	0.00	0.00	22.90
				13	48.08	0.02	0.00	48.08	89.28	94.53	0.00	0.00	0.00	24.28
				14	50.42	0.24	0.00	50.42	89.28	93.96	0.00	0.00	0.00	25.24
				15	48.44	0.03	0.00	48.44	89.28	94.48	0.00	0.00	0.00	24.43
				16	50.78	0.25	0.00	50.78	89.28	93.93	0.00	0.00	0.00	25.39
				17	52.84	0.48	0.00	52.84	89.28	93.39	0.00	0.00	0.00	26.25
				18	52.52	0.47	0.00	52.52	89.28	93.41	0.00	0.00	0.00	26.11
				19	53.04	0.49	0.00	53.04	89.28	93.37	0.00	0.00	0.00	26.33
				20	52.71	0.47	0.00	52.71	89.28	93.39	0.00	0.00	0.00	26.19
				21	46.98	-0.02	-0.00	46.98	89.28	94.51	0.00	0.00	0.00	23.81
				22	49.32	0.19	0.00	49.32	89.28	94.06	0.00	0.00	0.00	24.78
				23	47.34	-0.01	-0.00	47.34	89.28	94.55	0.00	0.00	0.00	23.97
				24	49.68	0.21	0.00	49.68	89.28	94.02	0.00	0.00	0.00	24.93
				39	47.49	-0.02	-0.00	47.49	89.28	94.53	0.00	0.00	0.00	24.03
				40	47.36	-0.02	-0.00	47.36	89.28	94.52	0.00	0.00	0.00	23.97
				41	47.57	-0.01	-0.00	47.57	89.28	94.54	0.00	0.00	0.00	24.06
				42	47.44	-0.02	-0.00	47.44	89.28	94.53	0.00	0.00	0.00	24.01
				43	48.60	0.08	0.00	48.60	89.28	94.36	0.00	0.00	0.00	24.49
				44	49.45	0.16	0.00	49.45	89.28	94.15	0.00	0.00	0.00	24.84
				45	48.74	0.09	0.00	48.74	89.28	94.34	0.00	0.00	0.00	24.55
				46	49.59	0.16	0.00	49.59	89.28	94.14	0.00	0.00	0.00	24.90
				47	50.32	0.25	0.00	50.32	89.28	93.93	0.00	0.00	0.00	25.20
				48	50.19	0.24	0.00	50.19	89.28	93.95	0.00	0.00	0.00	25.15
				49	50.39	0.25	0.00	50.39	89.28	93.93	0.00	0.00	0.00	25.23
				50	50.26	0.24	0.00	50.26	89.28	93.94	0.00	0.00	0.00	25.18
				51	48.17	0.06	0.00	48.17	89.28	94.40	0.00	0.00	0.00	24.31
				52	49.01	0.14	0.00	49.01	89.28	94.20	0.00	0.00	0.00	24.66
				53	48.31	0.07	0.00	48.31	89.28	94.39	0.00	0.00	0.00	24.37
				54	49.16	0.15	0.00	49.16	89.28	94.18	0.00	0.00	0.00	24.72
20,21	0.800	1.340	0.800	9	47.97	-0.11	-0.00	47.97	89.28	94.26	0.00	0.00	0.00	24.22
				10	50.22	-0.14	-0.00	50.22	89.28	94.21	0.00	0.00	0.00	25.17
				11	48.26	-0.11	-0.00	48.26	89.28	94.28	0.00	0.00	0.00	24.34
				12	50.51	-0.13	-0.00	50.51	89.28	94.23	0.00	0.00	0.00	25.30
				13	44.02	-0.03	-0.00	44.02	89.28	94.50	0.00	0.00	0.00	22.55
				14	42.99	0.03	0.00	42.99	89.28	94.50	0.00	0.00	0.00	22.12
				15	44.56	-0.01	-0.00	44.56	89.28	94.53	0.00	0.00	0.00	22.79
				16	43.53	0.04	0.00	43.53	89.28	94.46	0.00	0.00	0.00	22.35
				17	44.55	0.06	0.00	44.55	89.28	94.40	0.00	0.00	0.00	22.77
				18	46.80	0.03	0.00	46.80	89.28	94.49	0.00	0.00	0.00	23.73
				19	44.84	0.06	0.00	44.84	89.28	94.39	0.00	0.00	0.00	22.90
				20	47.09	0.04	0.00	47.09	89.28	94.47	0.00	0.00	0.00	23.86
				21	51.52	-0.11	-0.00	51.52	89.28	94.29	0.00	0.00	0.00	25.73
				22	50.50	-0.06	-0.00	50.50	89.28	94.42	0.00	0.00	0.00	25.30
				23	52.07	-0.10	-0.00	52.07	89.28	94.32	0.00	0.00	0.00	25.96
				24	51.04	-0.05	-0.00	51.04	89.28	94.45	0.00	0.00	0.00	25.53
				39	47.64	-0.06	-0.00	47.64	89.28	94.40	0.00	0.00	0.00	24.09

				40	48.55	-0.08	-0.00	48.55	89.28	94.37	0.00	0.00	0.00	24.47
				41	47.75	-0.06	-0.00	47.75	89.28	94.40	0.00	0.00	0.00	24.13
				42	48.66	-0.07	-0.00	48.66	89.28	94.38	0.00	0.00	0.00	24.52
				43	46.10	-0.03	-0.00	46.10	89.28	94.49	0.00	0.00	0.00	23.44
				44	45.72	-0.01	-0.00	45.72	89.28	94.54	0.00	0.00	0.00	23.28
				45	46.31	-0.03	-0.00	46.31	89.28	94.50	0.00	0.00	0.00	23.53
				46	45.94	-0.01	-0.00	45.94	89.28	94.55	0.00	0.00	0.00	23.37
				47	46.40	-0.00	-0.00	46.40	89.28	94.57	0.00	0.00	0.00	23.57
				48	47.30	-0.01	-0.00	47.30	89.28	94.54	0.00	0.00	0.00	23.95
				49	46.51	-0.00	-0.00	46.51	89.28	94.58	0.00	0.00	0.00	23.61
				50	47.42	-0.01	-0.00	47.42	89.28	94.55	0.00	0.00	0.00	24.00
				51	49.12	-0.07	-0.00	49.12	89.28	94.40	0.00	0.00	0.00	24.71
				52	48.74	-0.05	-0.00	48.74	89.28	94.45	0.00	0.00	0.00	24.56
				53	49.34	-0.06	-0.00	49.34	89.28	94.41	0.00	0.00	0.00	24.80
				54	48.96	-0.04	-0.00	48.96	89.28	94.46	0.00	0.00	0.00	24.65
19,20	0.800	6.010	0.800	9	207.29	-4.27	-0.00	207.29	400.44	398.62	0.00	0.00	0.00	105.24
				10	215.14	-6.18	-0.00	215.14	400.44	397.56	0.00	0.00	0.00	108.52
				11	208.72	-4.41	-0.00	208.72	400.44	398.55	0.00	0.00	0.00	105.84
				12	216.57	-6.32	-0.00	216.57	400.44	397.50	0.00	0.00	0.00	109.12
				13	196.16	0.28	0.00	196.16	400.44	401.14	0.00	0.00	0.00	100.63
				14	194.99	2.22	0.00	194.99	400.44	399.83	0.00	0.00	0.00	100.07
				15	198.80	0.02	0.00	198.80	400.44	401.31	0.00	0.00	0.00	101.76
				16	197.62	1.97	0.00	197.62	400.44	400.02	0.00	0.00	0.00	101.20
				17	203.37	2.20	0.00	203.37	400.44	399.91	0.00	0.00	0.00	103.63
				18	211.22	0.29	0.00	211.22	400.44	401.15	0.00	0.00	0.00	107.01
				19	204.80	2.06	0.00	204.80	400.44	400.01	0.00	0.00	0.00	104.24
				20	212.65	0.15	0.00	212.65	400.44	401.23	0.00	0.00	0.00	107.62
				21	222.32	-6.08	-0.00	222.32	400.44	397.73	0.00	0.00	0.00	111.57
				22	221.14	-4.14	-0.00	221.14	400.44	398.87	0.00	0.00	0.00	111.12
				23	224.96	-6.34	-0.00	224.96	400.44	397.63	0.00	0.00	0.00	112.68
				24	223.78	-4.40	-0.00	223.78	400.44	398.75	0.00	0.00	0.00	112.23
				39	208.83	-2.83	-0.00	208.83	400.44	399.55	0.00	0.00	0.00	105.93
				40	211.99	-3.60	-0.00	211.99	400.44	399.10	0.00	0.00	0.00	107.25
				41	209.38	-2.89	-0.00	209.38	400.44	399.52	0.00	0.00	0.00	106.16
				42	212.54	-3.65	-0.00	212.54	400.44	399.07	0.00	0.00	0.00	107.48
				43	204.39	-1.09	-0.00	204.39	400.44	400.63	0.00	0.00	0.00	104.10
				44	203.96	-0.38	-0.00	203.96	400.44	401.09	0.00	0.00	0.00	103.94
				45	205.45	-1.19	-0.00	205.45	400.44	400.57	0.00	0.00	0.00	104.54
				46	205.02	-0.48	-0.00	205.02	400.44	401.02	0.00	0.00	0.00	104.38
				47	207.40	-0.46	-0.00	207.40	400.44	401.03	0.00	0.00	0.00	105.39
				48	210.56	-1.23	-0.00	210.56	400.44	400.56	0.00	0.00	0.00	106.71
				49	207.95	-0.52	-0.00	207.95	400.44	401.00	0.00	0.00	0.00	105.62
				50	211.11	-1.28	-0.00	211.11	400.44	400.53	0.00	0.00	0.00	106.94
				51	214.92	-3.64	-0.00	214.92	400.44	399.11	0.00	0.00	0.00	108.49
				52	214.49	-2.93	-0.00	214.49	400.44	399.54	0.00	0.00	0.00	108.33
				53	215.98	-3.74	-0.00	215.98	400.44	399.05	0.00	0.00	0.00	108.94
				54	215.55	-3.03	-0.00	215.55	400.44	399.48	0.00	0.00	0.00	108.78
18,19	0.800	6.010	0.800	9	204.16	0.62	0.00	204.16	400.44	400.93	0.00	0.00	0.00	104.01
				10	209.95	0.23	0.00	209.95	400.44	401.18	0.00	0.00	0.00	106.48
				11	205.20	0.28	0.00	205.20	400.44	401.15	0.00	0.00	0.00	104.46
				12	210.98	-0.11	-0.00	210.98	400.44	401.26	0.00	0.00	0.00	106.92
				13	197.41	0.94	0.00	197.41	400.44	400.70	0.00	0.00	0.00	101.14
				14	197.77	0.71	0.00	197.77	400.44	400.86	0.00	0.00	0.00	101.30
				15	199.31	0.31	0.00	199.31	400.44	401.12	0.00	0.00	0.00	101.96
				16	199.67	0.08	0.00	199.67	400.44	401.27	0.00	0.00	0.00	102.13
				17	205.37	-0.15	-0.00	205.37	400.44	401.23	0.00	0.00	0.00	104.54
				18	211.16	-0.53	-0.00	211.16	400.44	401.00	0.00	0.00	0.00	106.98
				19	206.41	-0.49	-0.00	206.41	400.44	401.02	0.00	0.00	0.00	104.97
				20	212.19	-0.87	-0.00	212.19	400.44	400.79	0.00	0.00	0.00	107.41
				21	216.68	-0.34	-0.00	216.68	400.44	401.12	0.00	0.00	0.00	109.33
				22	217.04	-0.57	-0.00	217.04	400.44	400.99	0.00	0.00	0.00	109.48
				23	218.58	-0.96	-0.00	218.58	400.44	400.75	0.00	0.00	0.00	110.12
				24	218.95	-1.19	-0.00	218.95	400.44	400.61	0.00	0.00	0.00	110.27
				39	206.59	0.16	0.00	206.59	400.44	401.23	0.00	0.00	0.00	105.06

				40	208.92	0.00	0.00	208.92	400.44	401.33	0.00	0.00	0.00	106.05
				41	206.98	0.03	0.00	206.98	400.44	401.31	0.00	0.00	0.00	105.23
				42	209.32	-0.13	-0.00	209.32	400.44	401.25	0.00	0.00	0.00	106.21
				43	203.84	0.30	0.00	203.84	400.44	401.14	0.00	0.00	0.00	103.89
				44	203.98	0.21	0.00	203.98	400.44	401.19	0.00	0.00	0.00	103.95
				45	204.60	0.05	0.00	204.60	400.44	401.30	0.00	0.00	0.00	104.22
				46	204.74	-0.04	-0.00	204.74	400.44	401.30	0.00	0.00	0.00	104.27
				47	207.04	-0.13	-0.00	207.04	400.44	401.25	0.00	0.00	0.00	105.25
				48	209.37	-0.28	-0.00	209.37	400.44	401.15	0.00	0.00	0.00	106.23
				49	207.43	-0.26	-0.00	207.43	400.44	401.17	0.00	0.00	0.00	105.41
				50	209.76	-0.41	-0.00	209.76	400.44	401.07	0.00	0.00	0.00	106.39
				51	211.61	-0.21	-0.00	211.61	400.44	401.20	0.00	0.00	0.00	107.18
				52	211.75	-0.30	-0.00	211.75	400.44	401.14	0.00	0.00	0.00	107.24
				53	212.38	-0.47	-0.00	212.38	400.44	401.04	0.00	0.00	0.00	107.50
				54	212.51	-0.55	-0.00	212.51	400.44	400.99	0.00	0.00	0.00	107.56
17,18	0.800	6.010	0.800	9	205.10	0.83	0.00	205.10	400.44	400.79	0.00	0.00	0.00	104.41
				10	210.51	0.81	0.00	210.51	400.44	400.83	0.00	0.00	0.00	106.70
				11	205.60	0.48	0.00	205.60	400.44	401.02	0.00	0.00	0.00	104.63
				12	211.01	0.45	0.00	211.01	400.44	401.05	0.00	0.00	0.00	106.92
				13	198.74	0.68	0.00	198.74	400.44	400.88	0.00	0.00	0.00	101.71
				14	198.87	0.39	0.00	198.87	400.44	401.07	0.00	0.00	0.00	101.78
				15	199.66	0.02	0.00	199.66	400.44	401.32	0.00	0.00	0.00	102.12
				16	199.80	-0.28	-0.00	199.80	400.44	401.15	0.00	0.00	0.00	102.17
				17	205.55	-0.14	-0.00	205.55	400.44	401.24	0.00	0.00	0.00	104.62
				18	210.96	-0.17	-0.00	210.96	400.44	401.22	0.00	0.00	0.00	106.91
				19	206.05	-0.50	-0.00	206.05	400.44	401.01	0.00	0.00	0.00	104.82
				20	211.46	-0.53	-0.00	211.46	400.44	401.00	0.00	0.00	0.00	107.11
				21	216.77	0.58	0.00	216.77	400.44	400.98	0.00	0.00	0.00	109.36
				22	216.90	0.29	0.00	216.90	400.44	401.15	0.00	0.00	0.00	109.43
				23	217.69	-0.08	-0.00	217.69	400.44	401.28	0.00	0.00	0.00	109.76
				24	217.83	-0.37	-0.00	217.83	400.44	401.10	0.00	0.00	0.00	109.81
				39	207.01	0.41	0.00	207.01	400.44	401.07	0.00	0.00	0.00	105.23
				40	209.19	0.39	0.00	209.19	400.44	401.08	0.00	0.00	0.00	106.15
				41	207.20	0.27	0.00	207.20	400.44	401.16	0.00	0.00	0.00	105.31
				42	209.39	0.25	0.00	209.39	400.44	401.17	0.00	0.00	0.00	106.24
				43	204.44	0.36	0.00	204.44	400.44	401.10	0.00	0.00	0.00	104.14
				44	204.49	0.26	0.00	204.49	400.44	401.16	0.00	0.00	0.00	104.16
				45	204.81	0.10	0.00	204.81	400.44	401.27	0.00	0.00	0.00	104.30
				46	204.86	-0.01	-0.00	204.86	400.44	401.32	0.00	0.00	0.00	104.32
				47	207.18	0.05	0.00	207.18	400.44	401.30	0.00	0.00	0.00	105.31
				48	209.36	0.04	0.00	209.36	400.44	401.30	0.00	0.00	0.00	106.23
				49	207.37	-0.09	-0.00	207.37	400.44	401.27	0.00	0.00	0.00	105.39
				50	209.55	-0.10	-0.00	209.55	400.44	401.27	0.00	0.00	0.00	106.31
				51	211.71	0.32	0.00	211.71	400.44	401.13	0.00	0.00	0.00	107.22
				52	211.76	0.21	0.00	211.76	400.44	401.20	0.00	0.00	0.00	107.25
				53	212.08	0.05	0.00	212.08	400.44	401.30	0.00	0.00	0.00	107.39
				54	212.13	-0.06	-0.00	212.13	400.44	401.29	0.00	0.00	0.00	107.41
16,17	0.800	6.010	0.800	9	206.36	1.32	0.00	206.36	400.44	400.49	0.00	0.00	0.00	104.93
				10	211.47	1.09	0.00	211.47	400.44	400.65	0.00	0.00	0.00	107.10
				11	206.25	0.87	0.00	206.25	400.44	400.77	0.00	0.00	0.00	104.89
				12	211.35	0.64	0.00	211.35	400.44	400.93	0.00	0.00	0.00	107.06
				13	200.30	1.32	0.00	200.30	400.44	400.46	0.00	0.00	0.00	102.36
				14	200.18	0.92	0.00	200.18	400.44	400.72	0.00	0.00	0.00	102.32
				15	200.09	0.50	0.00	200.09	400.44	401.00	0.00	0.00	0.00	102.29
				16	199.96	0.10	0.00	199.96	400.44	401.26	0.00	0.00	0.00	102.25
				17	205.94	0.00	0.00	205.94	400.44	401.33	0.00	0.00	0.00	104.78
				18	211.05	-0.23	-0.00	211.05	400.44	401.18	0.00	0.00	0.00	106.94
				19	205.82	-0.45	-0.00	205.82	400.44	401.04	0.00	0.00	0.00	104.72
				20	210.93	-0.68	-0.00	210.93	400.44	400.91	0.00	0.00	0.00	106.88
				21	217.33	0.54	0.00	217.33	400.44	401.00	0.00	0.00	0.00	109.60
				22	217.20	0.15	0.00	217.20	400.44	401.24	0.00	0.00	0.00	109.55
				23	217.12	-0.28	-0.00	217.12	400.44	401.16	0.00	0.00	0.00	109.52
				24	216.99	-0.68	-0.00	216.99	400.44	400.92	0.00	0.00	0.00	109.45
				39	207.72	0.70	0.00	207.72	400.44	400.89	0.00	0.00	0.00	105.52

				40	209.77	0.59	0.00	209.77	400.44	400.96	0.00	0.00	0.00	106.39
				41	207.68	0.53	0.00	207.68	400.44	400.99	0.00	0.00	0.00	105.51
				42	209.72	0.42	0.00	209.72	400.44	401.06	0.00	0.00	0.00	106.38
				43	205.30	0.74	0.00	205.30	400.44	400.86	0.00	0.00	0.00	104.49
				44	205.26	0.59	0.00	205.26	400.44	400.95	0.00	0.00	0.00	104.48
				45	205.22	0.41	0.00	205.22	400.44	401.07	0.00	0.00	0.00	104.47
				46	205.17	0.27	0.00	205.17	400.44	401.16	0.00	0.00	0.00	104.45
				47	207.57	0.22	0.00	207.57	400.44	401.19	0.00	0.00	0.00	105.47
				48	209.62	0.11	0.00	209.62	400.44	401.26	0.00	0.00	0.00	106.34
				49	207.52	0.05	0.00	207.52	400.44	401.30	0.00	0.00	0.00	105.46
				50	209.57	-0.06	-0.00	209.57	400.44	401.29	0.00	0.00	0.00	106.32
				51	212.12	0.38	0.00	212.12	400.44	401.10	0.00	0.00	0.00	107.40
				52	212.08	0.23	0.00	212.08	400.44	401.18	0.00	0.00	0.00	107.38
				53	212.04	0.05	0.00	212.04	400.44	401.30	0.00	0.00	0.00	107.37
				54	211.99	-0.10	-0.00	211.99	400.44	401.27	0.00	0.00	0.00	107.35
15,16	0.800	6.230	0.800	9	215.86	1.13	0.00	215.86	415.10	415.09	0.00	0.00	0.00	109.60
				10	221.43	1.67	0.00	221.43	415.10	414.79	0.00	0.00	0.00	111.95
				11	214.89	0.54	0.00	214.89	415.10	415.45	0.00	0.00	0.00	109.20
				12	220.46	1.09	0.00	220.46	415.10	415.13	0.00	0.00	0.00	111.55
				13	209.04	0.32	0.00	209.04	415.10	415.58	0.00	0.00	0.00	106.73
				14	208.40	-0.03	-0.00	208.40	415.10	415.76	0.00	0.00	0.00	106.47
				15	207.24	-0.76	-0.00	207.24	415.10	415.30	0.00	0.00	0.00	105.96
				16	206.61	-1.11	-0.00	206.61	415.10	415.07	0.00	0.00	0.00	105.68
				17	213.75	-0.06	-0.00	213.75	415.10	415.74	0.00	0.00	0.00	108.74
				18	219.32	0.49	0.00	219.32	415.10	415.49	0.00	0.00	0.00	111.09
				19	212.78	-0.64	-0.00	212.78	415.10	415.38	0.00	0.00	0.00	108.31
				20	218.35	-0.10	-0.00	218.35	415.10	415.72	0.00	0.00	0.00	110.68
				21	227.61	2.14	0.00	227.61	415.10	414.54	0.00	0.00	0.00	114.55
				22	226.97	1.79	0.00	226.97	415.10	414.75	0.00	0.00	0.00	114.29
				23	225.81	1.06	0.00	225.81	415.10	415.16	0.00	0.00	0.00	113.82
				24	225.18	0.71	0.00	225.18	415.10	415.37	0.00	0.00	0.00	113.56
				39	216.59	0.75	0.00	216.59	415.10	415.32	0.00	0.00	0.00	109.92
				40	218.77	0.93	0.00	218.77	415.10	415.22	0.00	0.00	0.00	110.84
				41	216.21	0.53	0.00	216.21	415.10	415.46	0.00	0.00	0.00	109.77
				42	218.39	0.71	0.00	218.39	415.10	415.35	0.00	0.00	0.00	110.69
				43	213.95	0.50	0.00	213.95	415.10	415.47	0.00	0.00	0.00	108.81
				44	213.72	0.37	0.00	213.72	415.10	415.55	0.00	0.00	0.00	108.71
				45	213.23	0.07	0.00	213.23	415.10	415.74	0.00	0.00	0.00	108.51
				46	213.00	-0.06	-0.00	213.00	415.10	415.74	0.00	0.00	0.00	108.41
				47	215.82	0.32	0.00	215.82	415.10	415.58	0.00	0.00	0.00	109.60
				48	218.00	0.50	0.00	218.00	415.10	415.48	0.00	0.00	0.00	110.52
				49	215.45	0.10	0.00	215.45	415.10	415.72	0.00	0.00	0.00	109.45
				50	217.63	0.28	0.00	217.63	415.10	415.61	0.00	0.00	0.00	110.37
				51	221.22	1.09	0.00	221.22	415.10	415.13	0.00	0.00	0.00	111.87
				52	220.99	0.96	0.00	220.99	415.10	415.21	0.00	0.00	0.00	111.78
				53	220.50	0.66	0.00	220.50	415.10	415.39	0.00	0.00	0.00	111.58
				54	220.27	0.53	0.00	220.27	415.10	415.46	0.00	0.00	0.00	111.48
14,15	0.800	6.385	0.800	9	221.29	0.74	0.00	221.29	425.42	425.52	0.00	0.00	0.00	112.36
				10	227.57	0.93	0.00	227.57	425.42	425.43	0.00	0.00	0.00	115.02
				11	219.52	0.20	0.00	219.52	425.42	425.84	0.00	0.00	0.00	111.63
				12	225.79	0.39	0.00	225.79	425.42	425.73	0.00	0.00	0.00	114.28
				13	213.90	0.02	0.00	213.90	425.42	425.95	0.00	0.00	0.00	109.25
				14	213.20	-0.60	-0.00	213.20	425.42	425.59	0.00	0.00	0.00	108.94
				15	210.63	-0.97	-0.00	210.63	425.42	425.36	0.00	0.00	0.00	107.84
				16	209.93	-1.59	-0.00	209.93	425.42	424.97	0.00	0.00	0.00	107.52
				17	218.95	-1.34	-0.00	218.95	425.42	425.16	0.00	0.00	0.00	111.36
				18	225.23	-1.15	-0.00	225.23	425.42	425.29	0.00	0.00	0.00	114.02
				19	217.18	-1.87	-0.00	217.18	425.42	424.83	0.00	0.00	0.00	110.59
				20	223.46	-1.68	-0.00	223.46	425.42	424.97	0.00	0.00	0.00	113.26
				21	234.82	0.64	0.00	234.82	425.42	425.60	0.00	0.00	0.00	118.10
				22	234.12	0.02	0.00	234.12	425.42	425.95	0.00	0.00	0.00	117.82
				23	231.55	-0.34	-0.00	231.55	425.42	425.77	0.00	0.00	0.00	116.72
				24	230.84	-0.96	-0.00	230.84	425.42	425.41	0.00	0.00	0.00	116.41
				39	221.93	-0.03	-0.00	221.93	425.42	425.95	0.00	0.00	0.00	112.65

				40	224.34	0.04	0.00	224.34	425.42	425.94	0.00	0.00	0.00	113.68
				41	221.25	-0.23	-0.00	221.25	425.42	425.82	0.00	0.00	0.00	112.36
				42	223.66	-0.17	-0.00	223.66	425.42	425.86	0.00	0.00	0.00	113.38
				43	219.14	-0.26	-0.00	219.14	425.42	425.80	0.00	0.00	0.00	111.46
				44	218.89	-0.49	-0.00	218.89	425.42	425.67	0.00	0.00	0.00	111.35
				45	217.83	-0.66	-0.00	217.83	425.42	425.56	0.00	0.00	0.00	110.90
				46	217.57	-0.89	-0.00	217.57	425.42	425.43	0.00	0.00	0.00	110.78
				47	221.08	-0.78	-0.00	221.08	425.42	425.50	0.00	0.00	0.00	112.28
				48	223.49	-0.71	-0.00	223.49	425.42	425.54	0.00	0.00	0.00	113.30
				49	220.40	-0.98	-0.00	220.40	425.42	425.38	0.00	0.00	0.00	111.98
				50	222.81	-0.92	-0.00	222.81	425.42	425.42	0.00	0.00	0.00	113.00
				51	227.17	-0.06	-0.00	227.17	425.42	425.93	0.00	0.00	0.00	114.88
				52	226.92	-0.28	-0.00	226.92	425.42	425.80	0.00	0.00	0.00	114.76
				53	225.86	-0.45	-0.00	225.86	425.42	425.70	0.00	0.00	0.00	114.31
				54	225.61	-0.68	-0.00	225.61	425.42	425.57	0.00	0.00	0.00	114.20
1,14	0.800	6.385	0.800	9	218.82	-3.94	-0.00	218.82	425.42	423.59	0.00	0.00	0.00	111.23
				10	225.37	-3.43	-0.00	225.37	425.42	423.96	0.00	0.00	0.00	114.02
				11	216.59	-4.02	-0.00	216.59	425.42	423.52	0.00	0.00	0.00	110.28
				12	223.14	-3.51	-0.00	223.14	425.42	423.89	0.00	0.00	0.00	113.07
				13	212.83	-1.38	-0.00	212.83	425.42	425.11	0.00	0.00	0.00	108.76
				14	213.43	1.30	0.00	213.43	425.42	425.16	0.00	0.00	0.00	109.01
				15	208.70	-1.53	-0.00	208.70	425.42	425.00	0.00	0.00	0.00	107.00
				16	209.30	1.15	0.00	209.30	425.42	425.24	0.00	0.00	0.00	107.27
				17	220.82	4.99	0.00	220.82	425.42	422.99	0.00	0.00	0.00	112.05
				18	227.37	5.51	0.00	227.37	425.42	422.78	0.00	0.00	0.00	114.82
				19	218.59	4.91	0.00	218.59	425.42	423.01	0.00	0.00	0.00	111.11
				20	225.14	5.42	0.00	225.14	425.42	422.80	0.00	0.00	0.00	113.87
				21	234.66	0.33	0.00	234.66	425.42	425.77	0.00	0.00	0.00	118.04
				22	235.26	3.01	0.00	235.26	425.42	424.28	0.00	0.00	0.00	118.23
				23	230.53	0.18	0.00	230.53	425.42	425.86	0.00	0.00	0.00	116.30
				24	231.13	2.86	0.00	231.13	425.42	424.33	0.00	0.00	0.00	116.48
				39	220.78	-0.98	-0.00	220.78	425.42	425.38	0.00	0.00	0.00	112.14
				40	223.30	-0.75	-0.00	223.30	425.42	425.52	0.00	0.00	0.00	113.22
				41	219.93	-1.01	-0.00	219.93	425.42	425.36	0.00	0.00	0.00	111.78
				42	222.45	-0.78	-0.00	222.45	425.42	425.50	0.00	0.00	0.00	112.85
				43	218.50	-0.10	-0.00	218.50	425.42	425.90	0.00	0.00	0.00	111.20
				44	218.72	0.88	0.00	218.72	425.42	425.43	0.00	0.00	0.00	111.27
				45	216.85	-0.16	-0.00	216.85	425.42	425.87	0.00	0.00	0.00	110.50
				46	217.07	0.82	0.00	217.07	425.42	425.47	0.00	0.00	0.00	110.57
				47	221.51	2.26	0.00	221.51	425.42	424.62	0.00	0.00	0.00	112.42
				48	224.03	2.49	0.00	224.03	425.42	424.50	0.00	0.00	0.00	113.48
				49	220.66	2.23	0.00	220.66	425.42	424.63	0.00	0.00	0.00	112.06
				50	223.17	2.46	0.00	223.17	425.42	424.51	0.00	0.00	0.00	113.12
				51	226.89	0.67	0.00	226.89	425.42	425.58	0.00	0.00	0.00	114.74
				52	227.11	1.64	0.00	227.11	425.42	425.01	0.00	0.00	0.00	114.81
				53	225.24	0.61	0.00	225.24	425.42	425.61	0.00	0.00	0.00	114.04
				54	225.46	1.58	0.00	225.46	425.42	425.04	0.00	0.00	0.00	114.11
13,1	0.800	1.340	0.800	9	44.26	-0.14	-0.00	44.26	89.28	94.17	0.00	0.00	0.00	22.64
				10	45.84	-0.11	-0.00	45.84	89.28	94.25	0.00	0.00	0.00	23.32
				11	43.86	-0.13	-0.00	43.86	89.28	94.19	0.00	0.00	0.00	22.48
				12	45.44	-0.10	-0.00	45.44	89.28	94.28	0.00	0.00	0.00	23.15
				13	44.15	-0.06	-0.00	44.15	89.28	94.39	0.00	0.00	0.00	22.61
				14	45.50	0.03	0.00	45.50	89.28	94.48	0.00	0.00	0.00	23.18
				15	43.42	-0.04	-0.00	43.42	89.28	94.45	0.00	0.00	0.00	22.30
				16	44.76	0.05	0.00	44.76	89.28	94.42	0.00	0.00	0.00	22.87
				17	48.74	0.18	0.00	48.74	89.28	94.10	0.00	0.00	0.00	24.54
				18	50.33	0.20	0.00	50.33	89.28	94.05	0.00	0.00	0.00	25.21
				19	48.35	0.19	0.00	48.35	89.28	94.07	0.00	0.00	0.00	24.37
				20	49.93	0.21	0.00	49.93	89.28	94.02	0.00	0.00	0.00	25.04
				21	49.42	0.02	0.00	49.42	89.28	94.52	0.00	0.00	0.00	24.85
				22	50.77	0.11	0.00	50.77	89.28	94.28	0.00	0.00	0.00	25.41
				23	48.69	0.04	0.00	48.69	89.28	94.47	0.00	0.00	0.00	24.53
				24	50.04	0.13	0.00	50.04	89.28	94.23	0.00	0.00	0.00	25.09
				39	46.05	-0.03	-0.00	46.05	89.28	94.50	0.00	0.00	0.00	23.42

				40	46.67	-0.02	-0.00	46.67	89.28	94.53	0.00	0.00	0.00	23.68
				41	45.90	-0.02	-0.00	45.90	89.28	94.51	0.00	0.00	0.00	23.35
				42	46.51	-0.01	-0.00	46.51	89.28	94.54	0.00	0.00	0.00	23.61
				43	45.97	-0.00	-0.00	45.97	89.28	94.57	0.00	0.00	0.00	23.38
				44	46.46	0.03	0.00	46.46	89.28	94.48	0.00	0.00	0.00	23.59
				45	45.67	0.01	0.00	45.67	89.28	94.56	0.00	0.00	0.00	23.26
				46	46.16	0.04	0.00	46.16	89.28	94.46	0.00	0.00	0.00	23.46
				47	47.67	0.09	0.00	47.67	89.28	94.34	0.00	0.00	0.00	24.10
				48	48.29	0.10	0.00	48.29	89.28	94.32	0.00	0.00	0.00	24.36
				49	47.52	0.09	0.00	47.52	89.28	94.33	0.00	0.00	0.00	24.03
				50	48.14	0.10	0.00	48.14	89.28	94.30	0.00	0.00	0.00	24.29
				51	48.03	0.03	0.00	48.03	89.28	94.49	0.00	0.00	0.00	24.25
				52	48.51	0.07	0.00	48.51	89.28	94.40	0.00	0.00	0.00	24.46
				53	47.73	0.04	0.00	47.73	89.28	94.47	0.00	0.00	0.00	24.13
				54	48.22	0.07	0.00	48.22	89.28	94.38	0.00	0.00	0.00	24.33