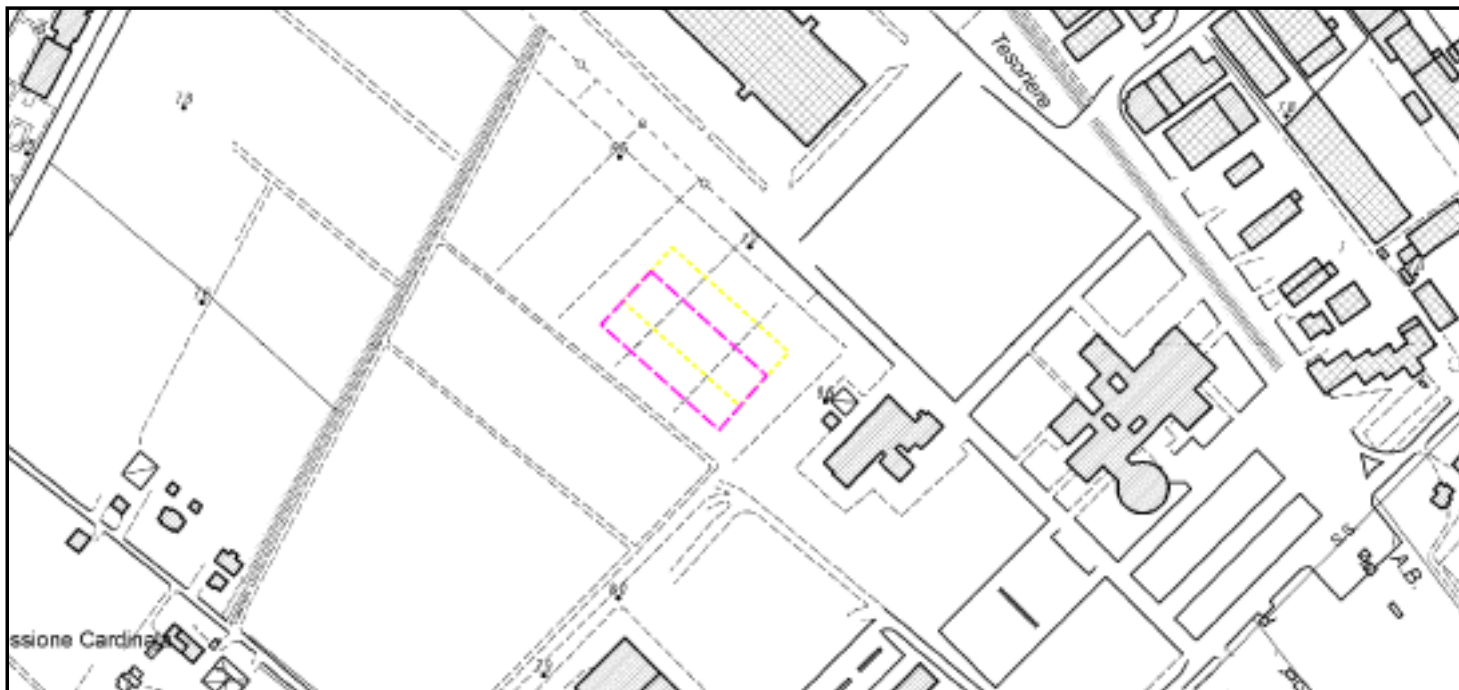


COMUNE DI FERRARA

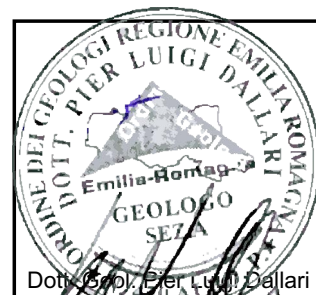
PROVINCIA DI FERRARA

RELAZIONE GEOTECNICA

Relativa alle indagini, alla caratterizzazione e alla modellazione geotecnica a supporto della progettazione strutturale (6.2.2. NTC 2018) nonché relativa alla verifica delle opere di fondazione (6.4. NTC 2018), dimensionamento dell'intervento di mitigazione del rischio di liquefazione



Dimensionamento intervento di riduzione del rischio di liquefazione mediante realizzazione di colonne di ghiaia vibro-compattate CGV per la realizzazione del nuovo Centro Unificato



Dott. (Dr.) Pier Luigi Dallari

NOVEMBRE 2018
Rif. 630/18



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PROVINCIA DI FERRARA

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OGGETTO

Dimensionamento intervento di riduzione del rischio di liquefazione mediante realizzazione di colonne di ghiaia vibro-compattate CGV per la realizzazione del nuovo Centro Unificato dell'Emergenza della Protezione Civile (CERPIC)

Rif. n. 630/18

LOCALITÀ

Chiesuol del Fosso- Via Bologna
Comune di Ferrara



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TAVOLE

Tav. n. 1: "Pianta esecutiva"

scala mista;

ALLEGATI

ALL. n. 1 Verifiche del rischio di liquefazione in "free-field";

ALL. n. 2 Dimensionamento intervento di mitigazione del rischio di liquefazione;

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1. PREMESSE

Nel mese di Novembre 2018 è stato eseguito il presente studio geotecnico a supporto della progettazione dell'intervento di riduzione del rischio di liquefazione mediante la realizzazione di colonne di ghiaia vibrocompattate, secondo le disposizioni indicate dalla normativa regionale DGR 2193/15 e dalla normativa tecnica nazionale NTC 2018. L'intervento di consolidamento del volume significativo viene predisposto per la realizzazione del Centro Unificato dell'Emergenza della Protezione Civile.

L'area di interesse è ubicata in Via Bologna, nei pressi della località Chiesuol del Fosso nel Comune di Ferrara (FE).

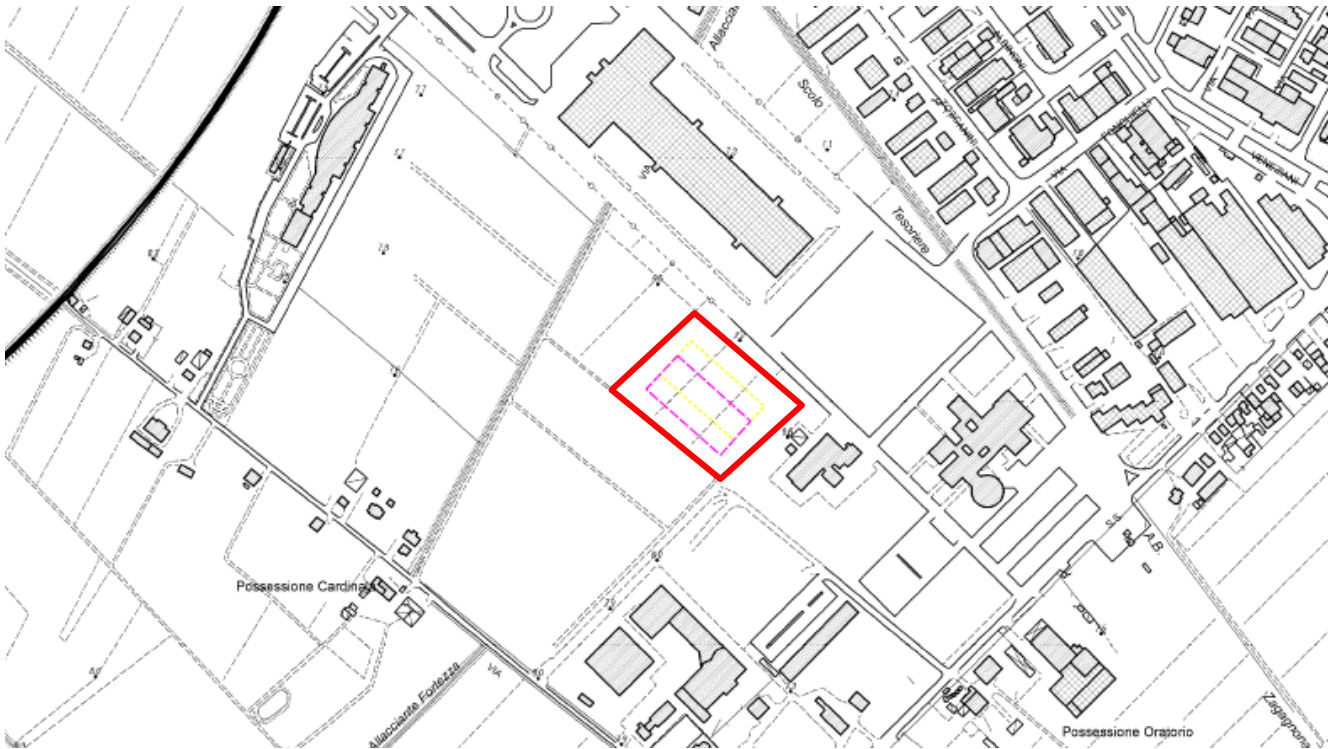


Fig. 1.1 – Inquadramento cartografia tecnica regionale dell'area di intervento

1.2 Riferimenti normativi

La progettazione dell'intervento di consolidamento mirato alla riduzione del rischio di liquefazione viene predisposta alla luce della normativa tecnica nazionale NTC 2018.

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2. MODELLO GEOTECNICO E ANALISI DEL RISCHIO DI LIQUEFAZIONE

2.1 Caratterizzazione geotecnica del sito

Presso l'area di intervento, per le finalità di caratterizzazione geologica e geotecnica, è disponibile una campagna indagini dirette composta da prove con piezocono CPTU e sondaggio a carotaggio continuo. Per i specifici elaborati di ciascuna verticale di indagine eseguita si faccia riferimento alla relazione geologica redatta da Geo Group nel mese di luglio 2018. L'ubicazione delle indagini geognostiche è illustrata nella successiva immagine (Fig. n. 2.1)

Le suddette prove verranno utilizzate per la modellazione degli interventi di mitigazione del rischio di liquefazione, congiuntamente all'analisi della resistenza geotecnica offerta dalle colonne di ghiaia vibro-compattate (CGV) impiegate per gli obiettivi sopracitati.

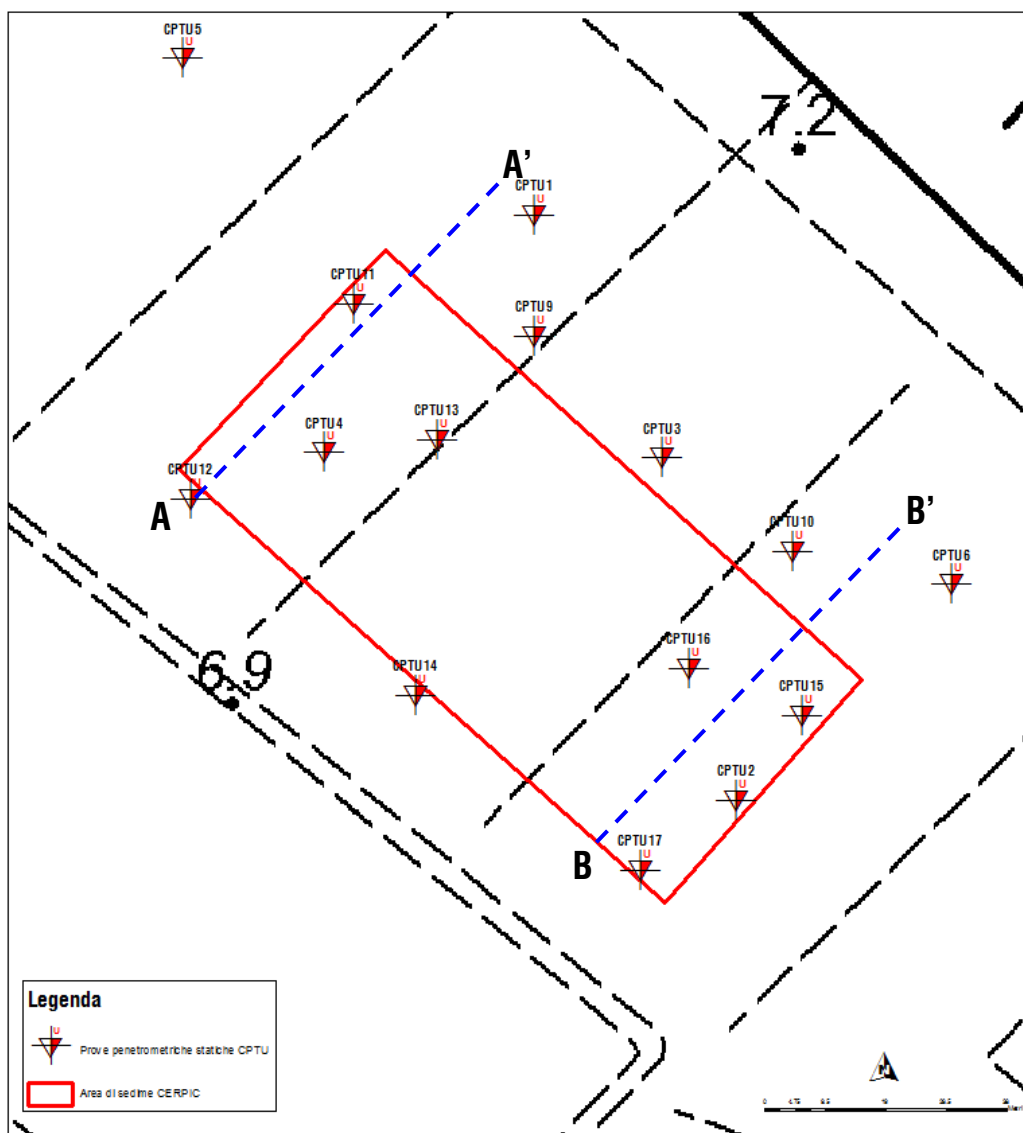


Fig. 2.1 – Ubicazione delle indagini geognostiche eseguite da Geo Group Srl

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2.2 Sintesi delle risultanze relative all'analisi del rischio di liquefazione in condizioni free-field

Sintetizzando i contenuti della relazione geologica redatta da Geo Group Srl per l'area oggetto di analisi, è possibile derivare una pericolosità derivante dalla suscettività del sottosuolo analizzato a potenziali fenomeni di instabilità per liquefazione e cedimenti co-sismici. Il rischio di liquefazione osservato, esprimibile secondo l'indice LPI (Liquefaction Potential Index), risulta essere variabile da basso a alto.

In fase di definizione dello stato della conoscenza riguardo agli aspetti geologici e del rischio di liquefazione, visto l'esposizione al rischio suddetto, si è provveduto a ricollocare il fabbricato in corrispondenza dell'areale che mostrava minore esposizione al rischio. La futura area di sedime è illustrata nella successiva figura (Fig. 2.2).

Sulla scorta del posizionamento dell'area di sedime e in funzione della disposizione delle indagini è stata realizzata la cartografia successivamente illustrata relativa alla distribuzione del rischio di liquefazione osservato. La disposizione planimetria del rischio è stata realizzata interpolando secondo la metodologia Voronoi i valori di LPI per ciascuna indagine all'interno dell'area di sedime in progetto. Congiuntamente a ciò è stata svolta una seconda interpolazione utilizzando funzioni standard tipo "Natural Neighbor" per aggiungere informazioni alla precedente interpolazione secondo metodologia Voronoi.

Da quanto emerge a seguito dell'analisi spaziale eseguita, l'intero settore Nord-Est perimetrale del fabbricato ricade in corrispondenza di terreni caratterizzati da rischio di liquefazione ascrivibili alla categoria di rischio "moderato" ($LPI > 2$). I livelli liquefacibili risultano posizionati a quote variabili: principalmente si segnalano unità liquefacibili poste tra -7.00 m da p.c. e -9.00 m da p.c., seguiti da ulteriori depositi tra -11.00 m da p.c. e -14.00 m da p.c.. L'intervento di consolidamento mediante colonne di ghiaia vibro-compattate CGV verrà predisposto per mitigare gli effetti sismici alle suddette profondità, imponendo la condizione di salvaguardia del rischio di liquefazione pari a $LPI < 2.00$.

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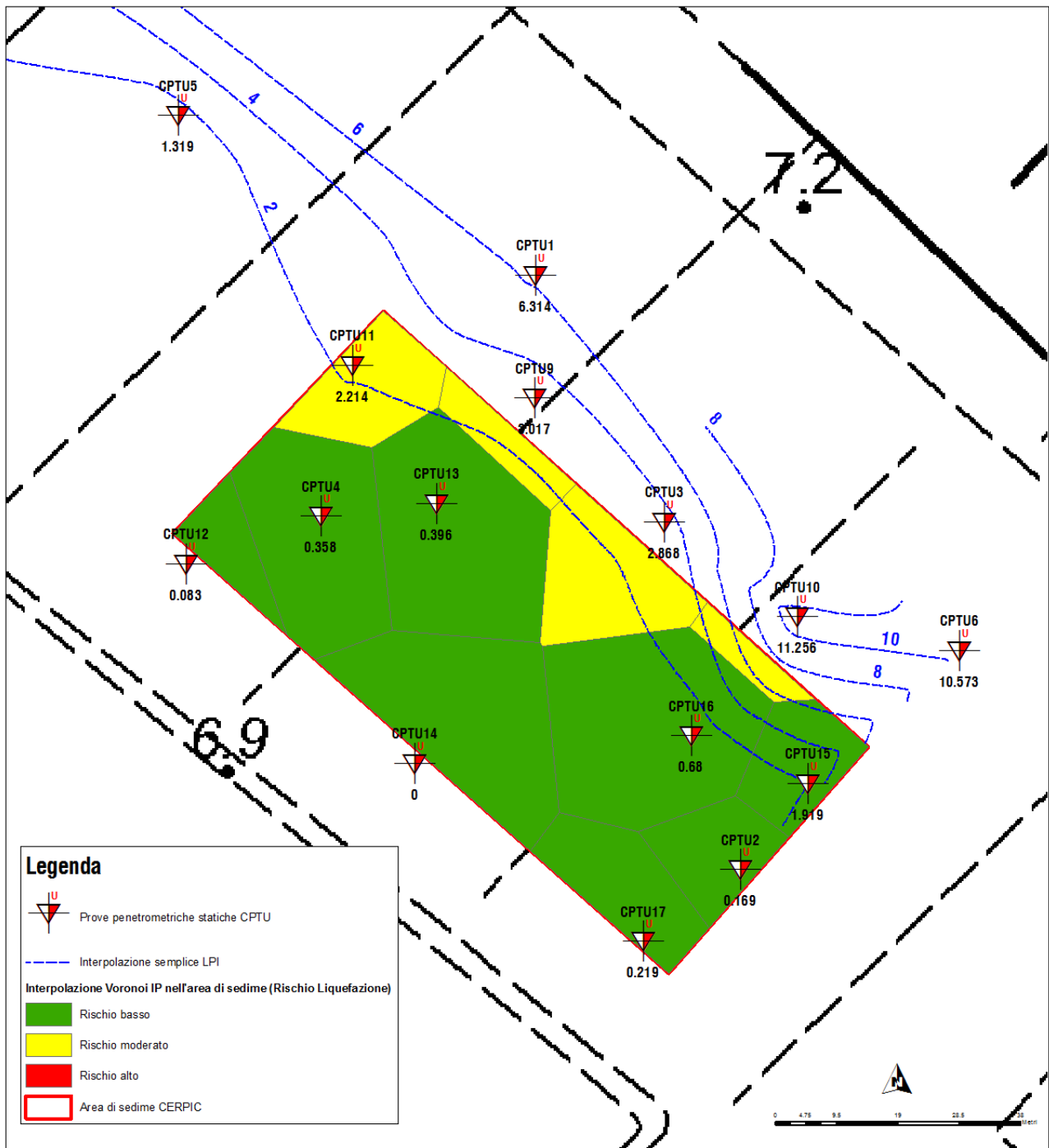


Fig. 2.2 – Interpolazione dei valori di LPI (Liquefaction Potential Index) per l'area di sedime del fabbricato in oggetto



2.3 Assetto geologico e geotecnico del volume significativo

Con la finalità di descrivere e analizzare il sottosuolo indagato a seguito della campagna geognostica predisposta sono state realizzate sezioni geotecniche. La traccia delle sezioni realizzate (A-A' e B-B') è visibile in Fig. n. 2.1. Le sezioni geotecniche sono state realizzate interpolando i dati numerici derivanti dalle verticali di prova CPTU realizzate, restituendo in due dimensioni l'andamento delle principali caratteristiche del sottosuolo (Q_c , I_c , C_u , D_r , M e E_s). Attraverso le seguenti sezioni è possibile apprezzare le locali eterogeneità dei terreni con la finalità di identificazione del modello geotecnico/geologico di riferimento alla progettazione dell'intervento di consolidamento mediante colonne di ghiaia CGV.

Da un'analisi preliminare delle sezioni ottenuti è possibile definire un'elevata eterogeneità in direzione NE-SO (lato corto del futuro fabbricato) e in direzione SO-SE (lato lungo del futuro fabbricato). Con riferimento alla sezione A-A' è possibile apprezzare litologie prevalentemente argillose e limose per quanto riguarda la maggior parte del area di sedime, fatta eccezione della presenza di un corpo sabbioso posto tra le quote di -10.00 m da p.c. e -14.00 m da p.c. in corrispondenza del settore NE dell'area: tale corpo è presente anche in corrispondenza della sezione B-B' con il medesimo assetto. Differentemente dalla sezione A-A', in corrispondenza del settore SO la sezione B-B' individua la presenza di livelli composti da argille sensitive e torba ad elevata compressibilità. L'eterogeneità relativa alla resistenza geotecnica è visibile anche nelle sezioni relative alla resistenza alla punta Q_c nelle quali è possibile individuare chiaramente l'eterogeneità geotecnica dei terreni precedentemente descritta.

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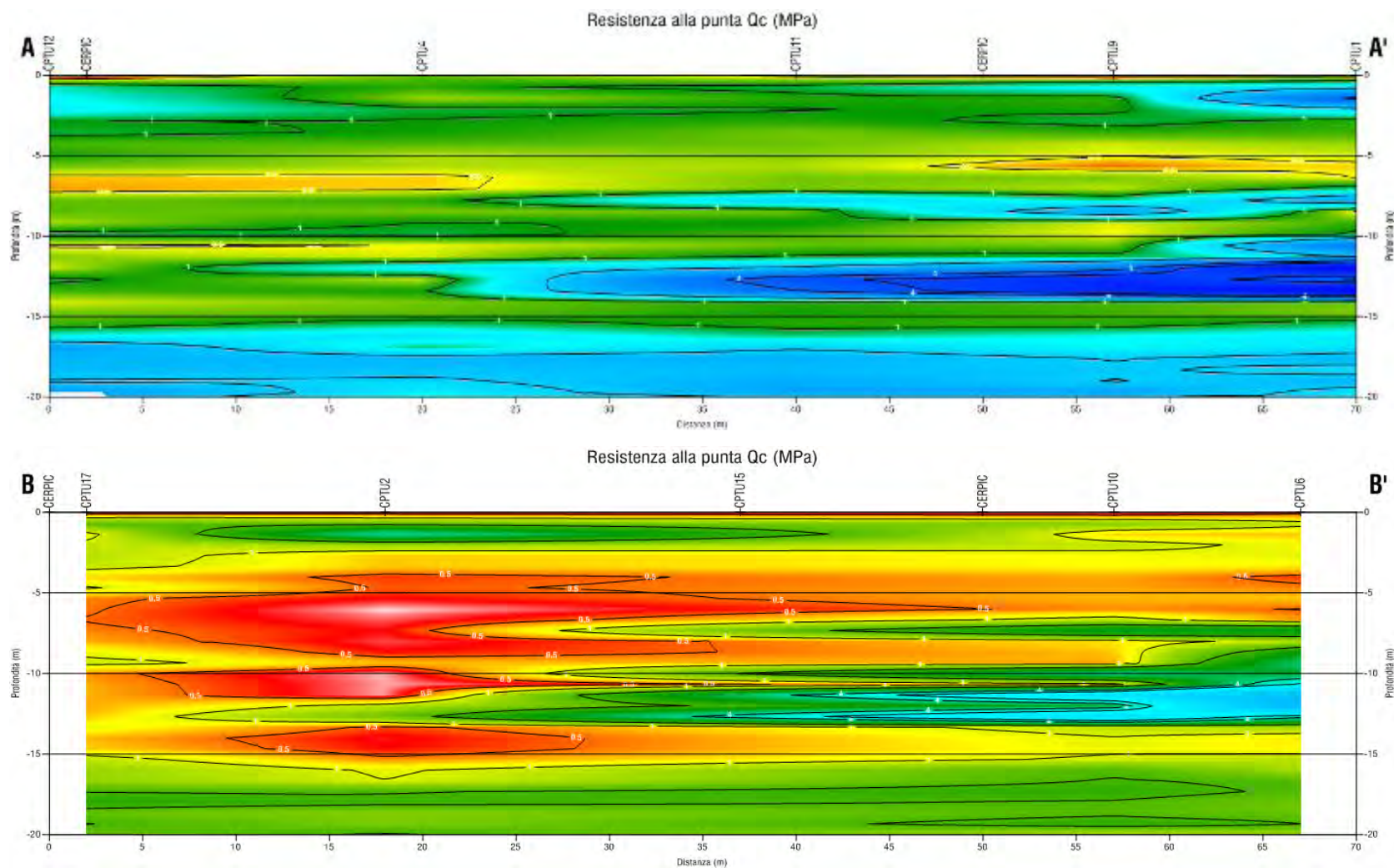
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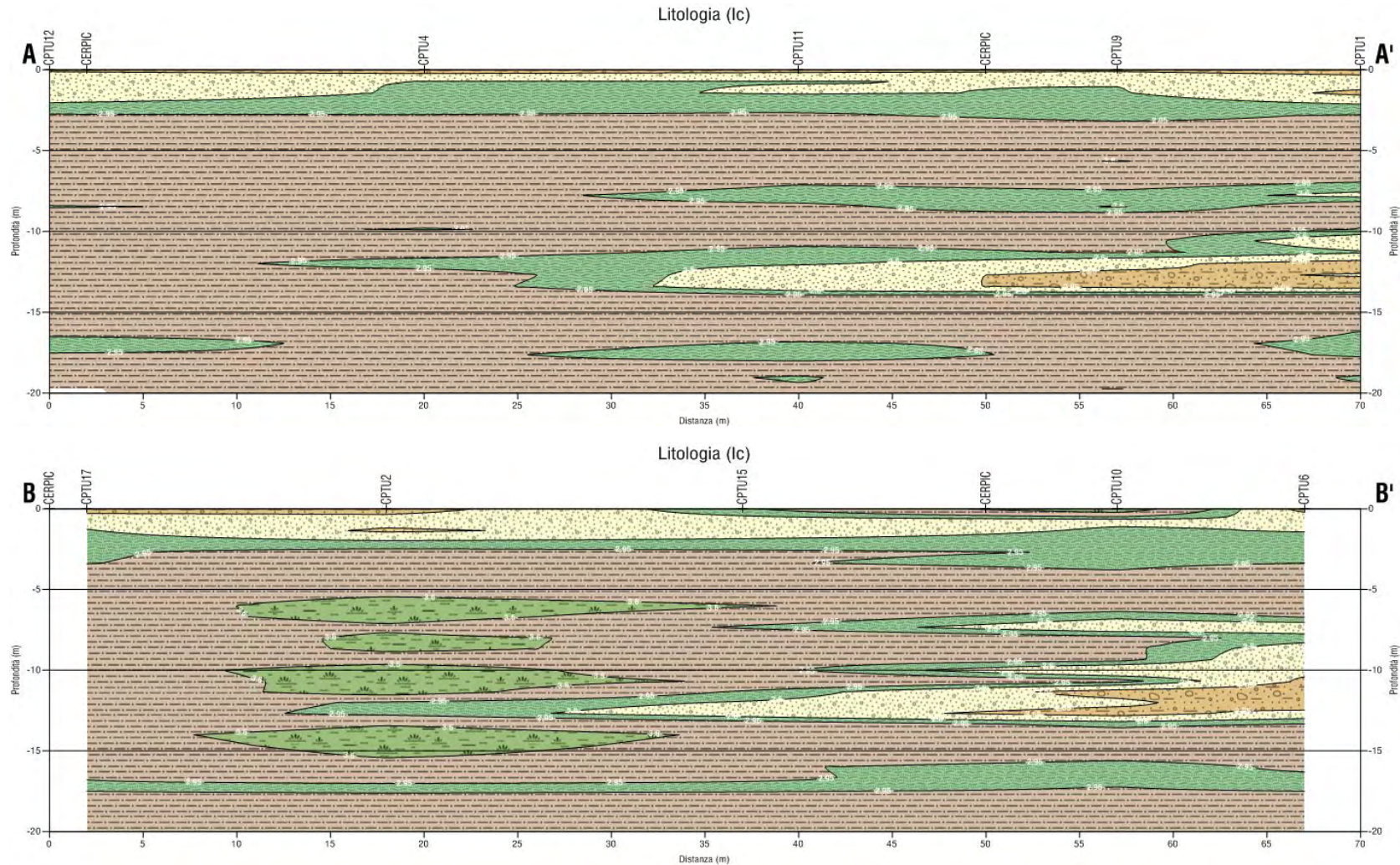
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Dimensionamento intervento di riduzione del rischio di liquefazione mediante realizzazione di colonne di ghiaia vibrocompattate CGV
Via Bologna località Chiesuol del Fosso Comune di Ferrara (FE)

9



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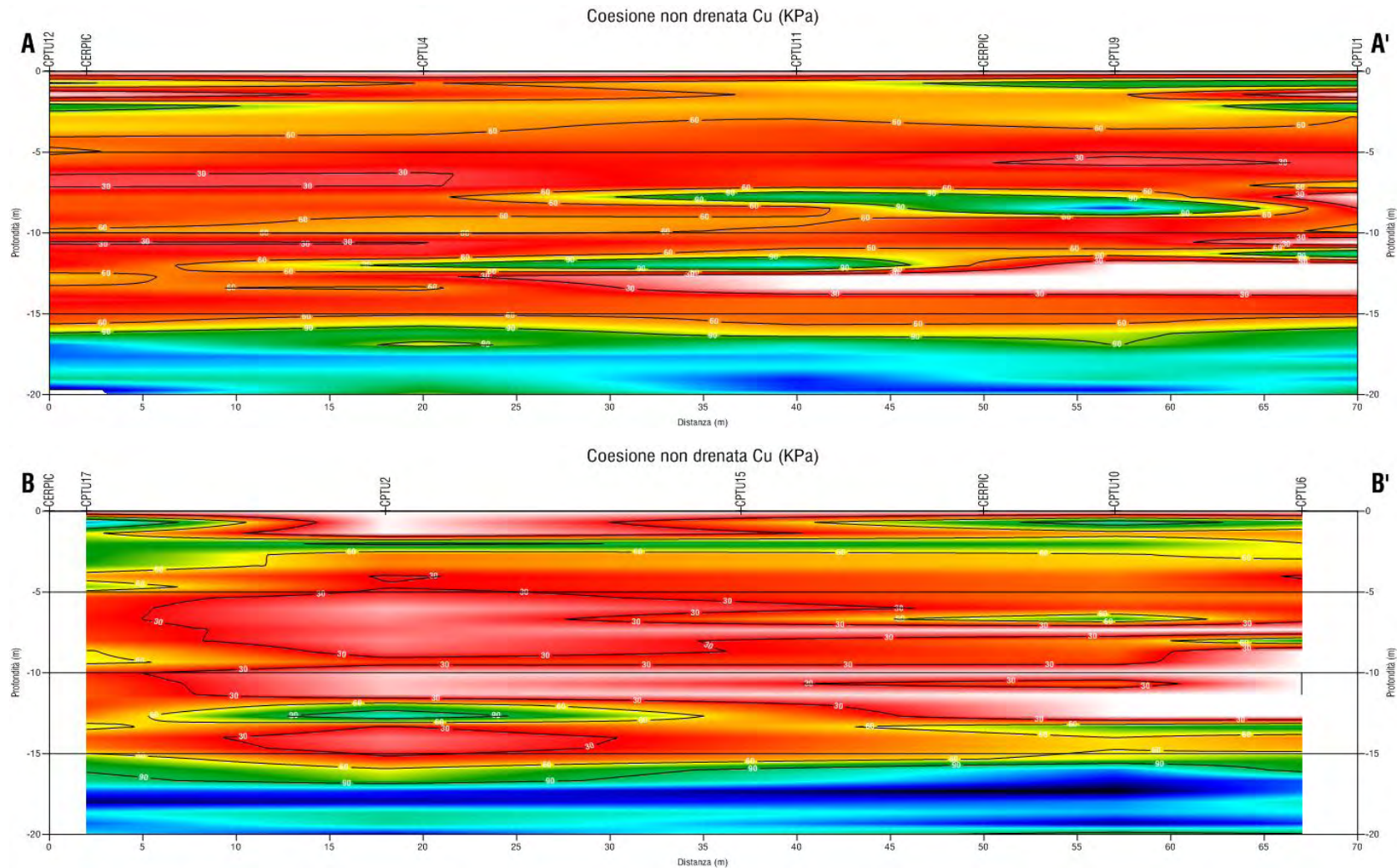
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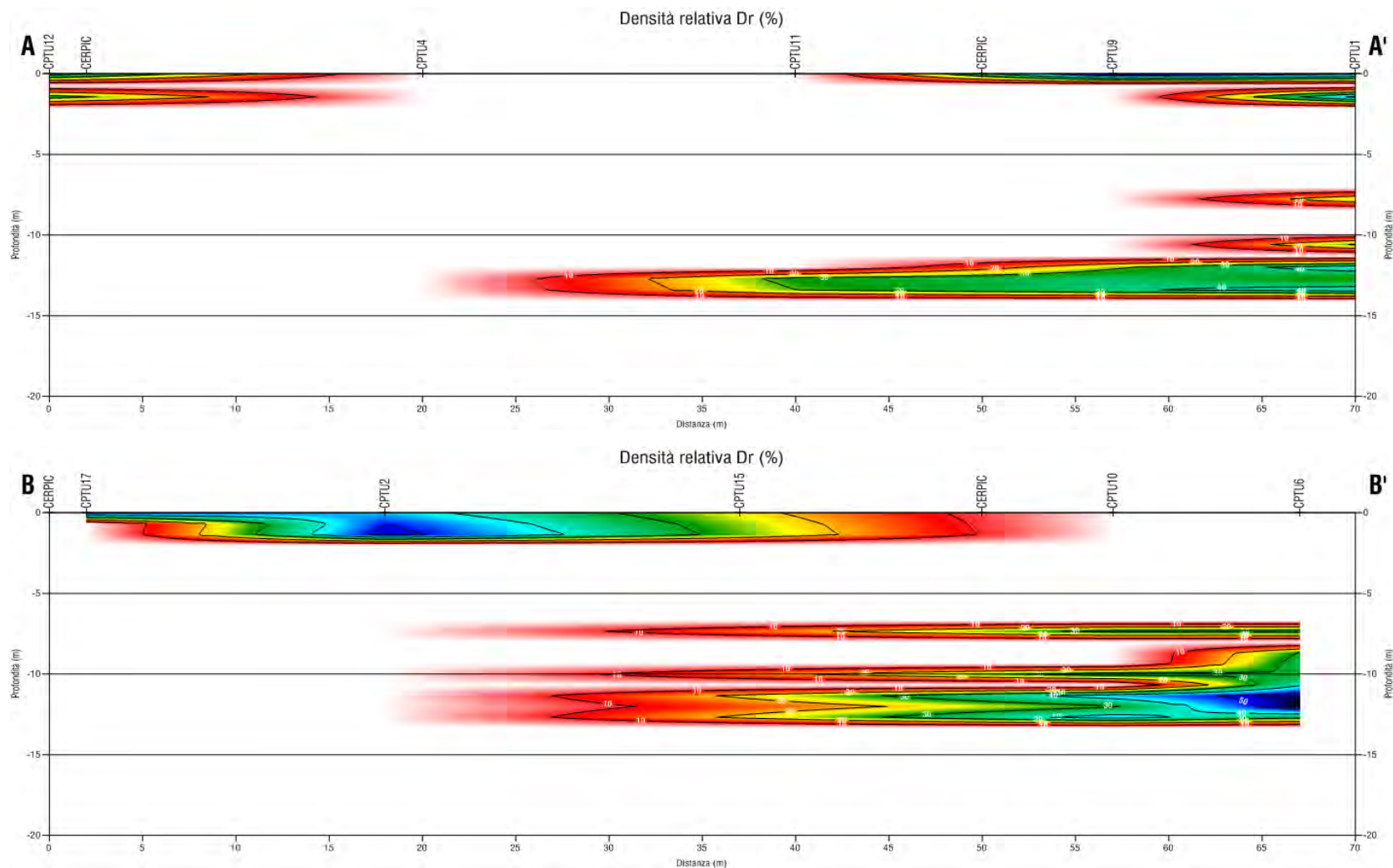
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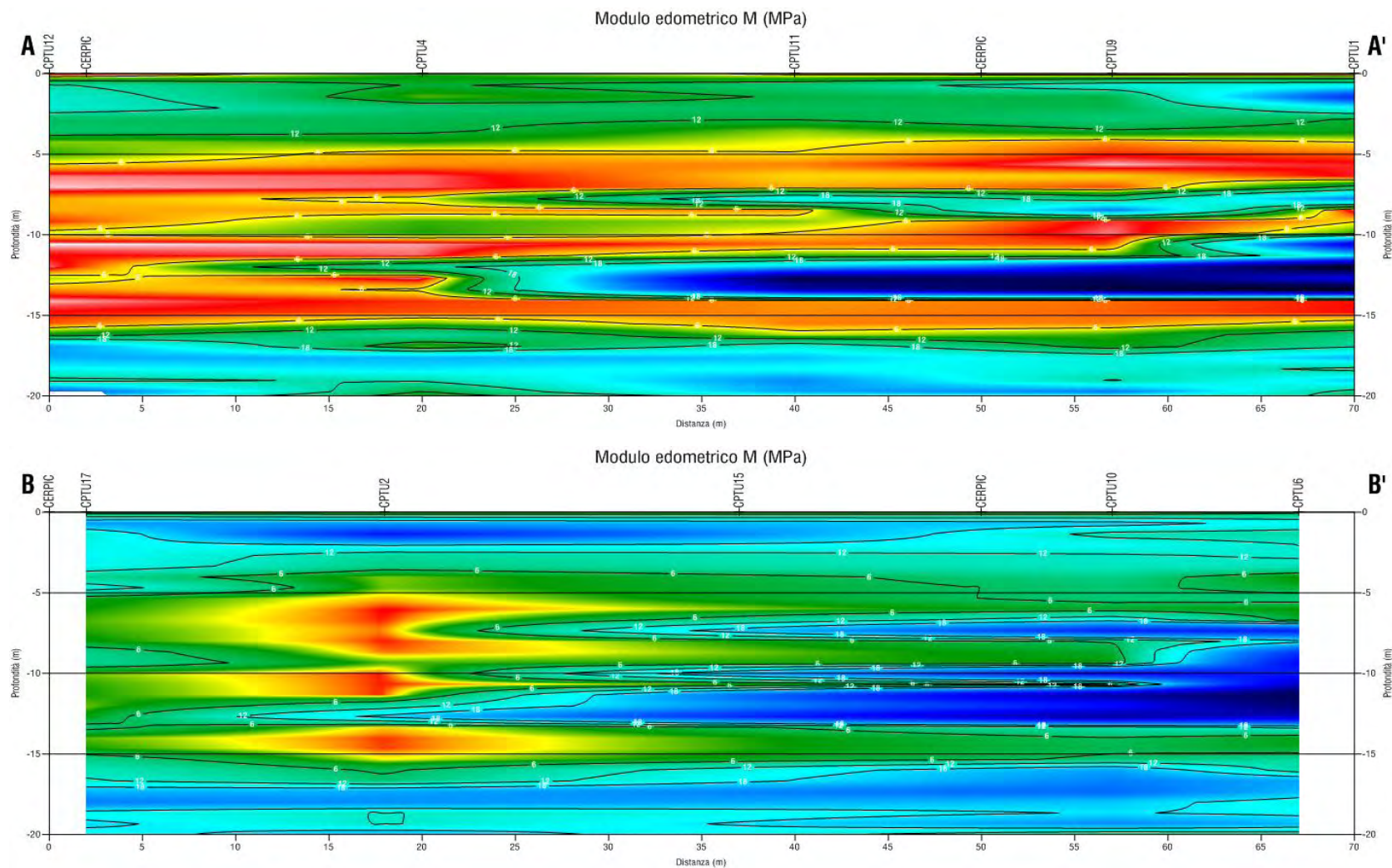
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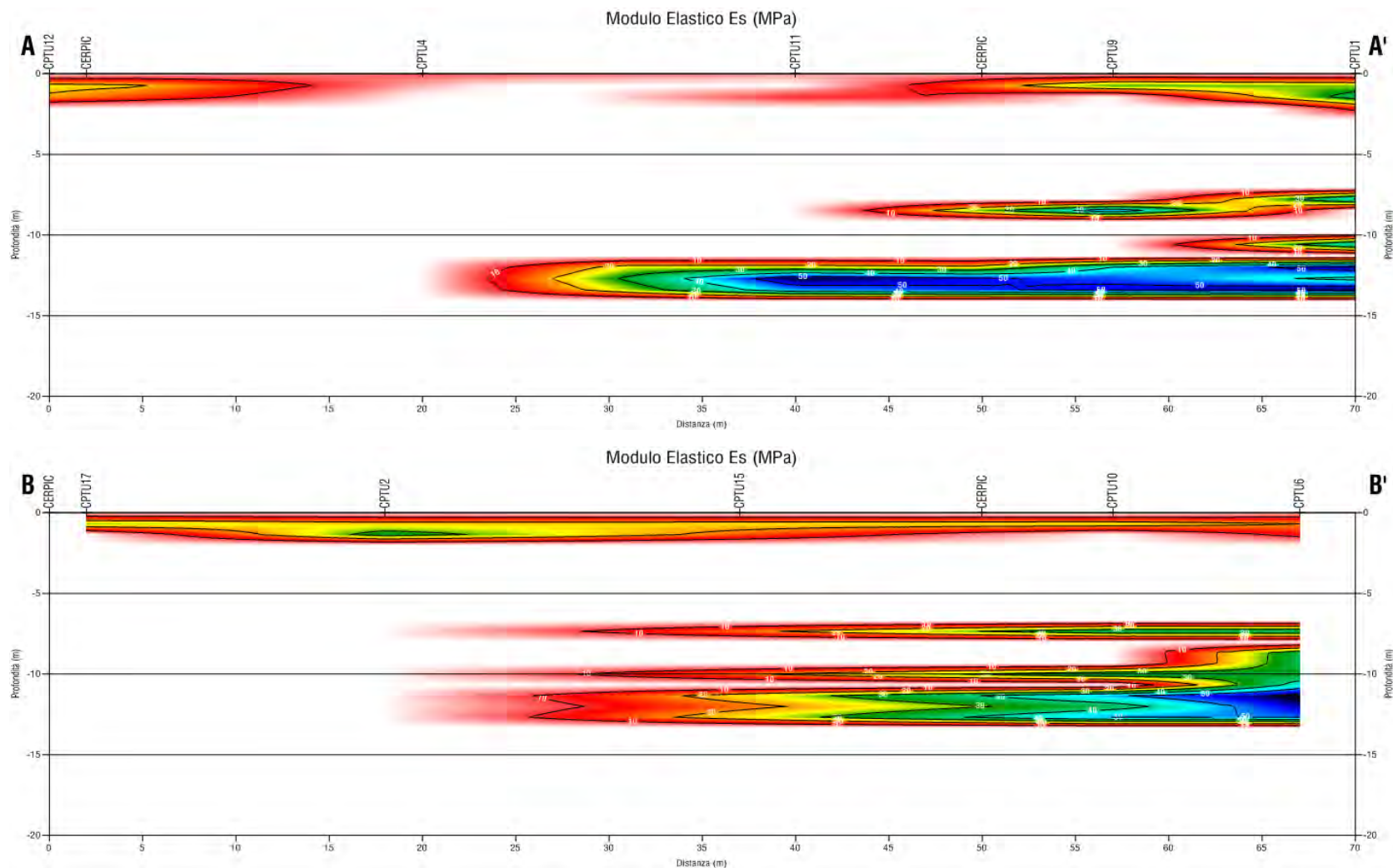
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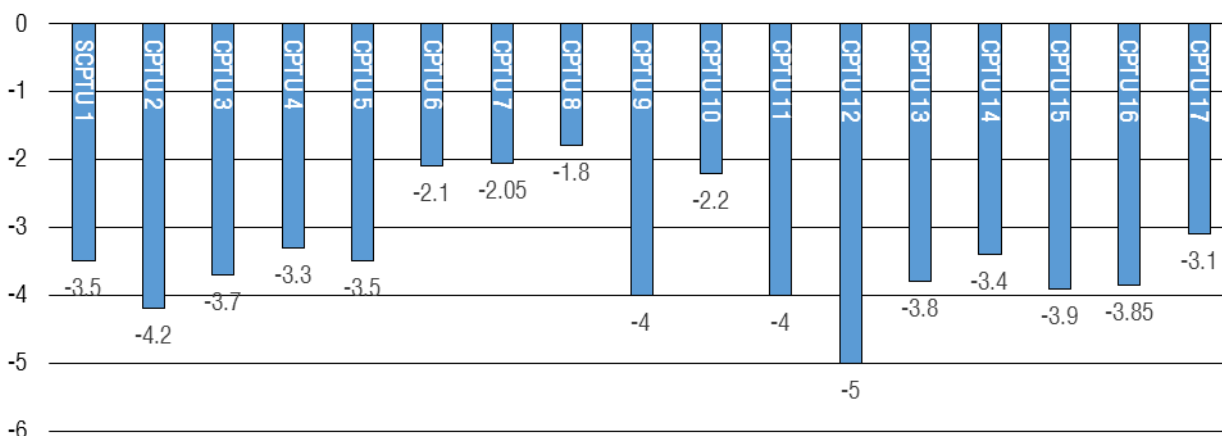
2.4 Modello geotecnico di riferimento alla progettazione

Sulla scorta della precedente modellazione eseguita, si propongono i seguenti modelli geotecnici per le due sezioni realizzate. Per quanto riguarda l'assetto delle unità geotecniche si faccia riferimento alle sezioni geotecniche a corredo dei modelli descritti.

	CARATTERISTICHE GEOTECNICHE UNITÀ										
	TERRENO	γ DRY	γ SAT	c ^I	C _u	ϕ ^I	μ	E _{OED}	E ₅₀	E _{UR}	k
U1	ARGILLE LIMOSE A MEDIA CONSISTENZA	18	20	5	50	23	0.42	10	7	21	1.00E-09
U2	ARGILLE LIMOSE A SCARSA CONSISTENZA	17.5	19.5	3	30	20	0.46	5	4.2	12.6	1.00E-07
U3	ARGILLE LIMOSE CONSISTENTI	19	21	10	100	25	0.4	20	14	42	1.00E-06
U4	SABBIE E LIMI A SCARSO ADDENSAMENTO	18	20	0	0	32	0.4	50	50	150	1.00E-05
U5	ARGILLE E TORBE COMPRESSIBILI	17	19	2	20	18	0.48	1	2.8	8.4	1.00E-06
	DESCRIZIONE	PESO DI VOLUME		COESIONE DRENATA EFFICACE	COESIONE NON DRENATA	ANGOLO ATTRITO EFFICACE	COEFFICIENTE DI POISSON	MODULO EDOMETRICO	MODULO ELASTICO	MODULO ELASTICO DI CARICO/SCARICO	COEFFICIENTE DI PEMERABILITÀ
	UNITÀ DI MISURA	kN/m³		kN/m²	kN/m²	gradi °	/	MPa	MPa	MPa	m/s

Si illustra, per via grafica, i valori di soggiacenza misurati per ciascuna verticale d'indagine eseguita. La superficie freatica risulta posta tra le quote variabili di -1.80 m da p.c. (CPTU8) e -5.00 m da p.c. (CPTU12). Visto l'andamento medio rilevato, ai fini del dimensionamento geotecnico risulta ragionevole considerare una piezometrica media pari a -3.50 m da p.c..

Soggiacenza (m da p.c.)



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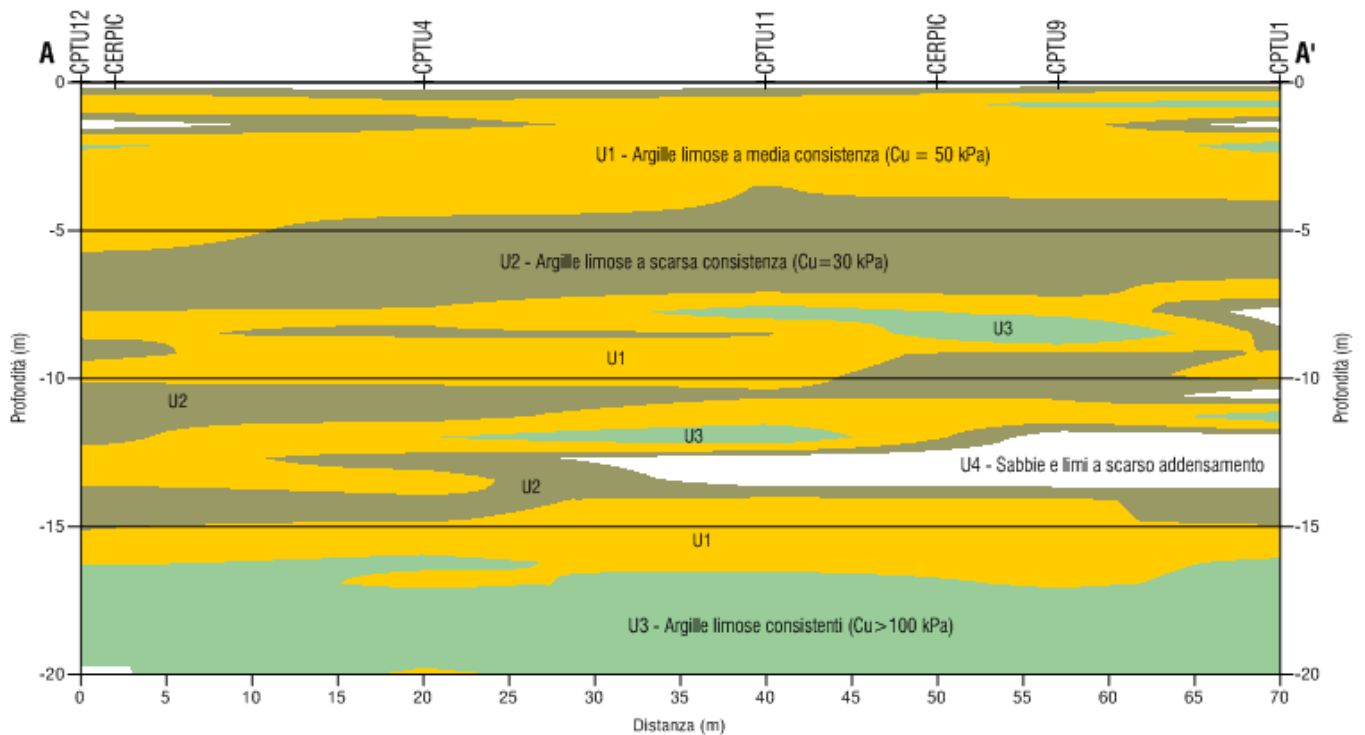
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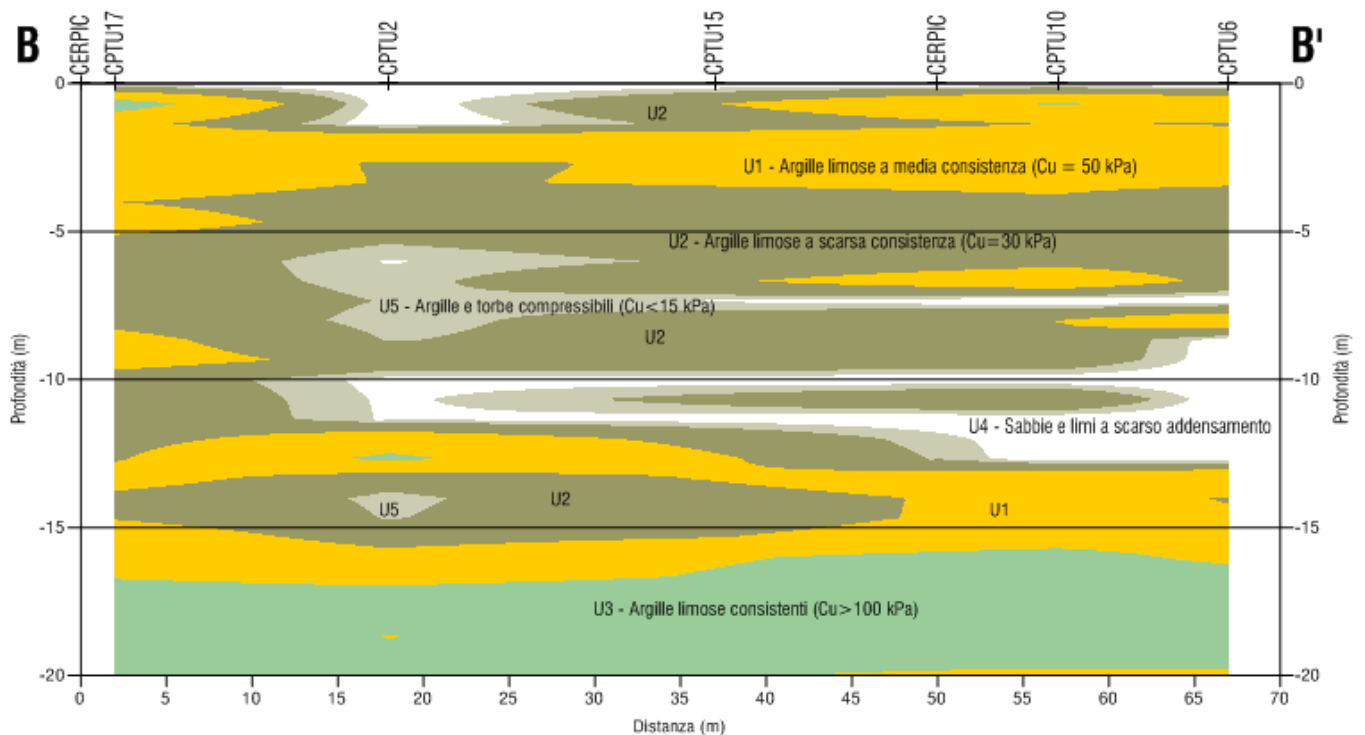
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Modello geotecnico



Modello geotecnico



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3. DIMENSIONAMENTO OPERE CONSOLIDAMENTO

3.1 Colonne di ghiaia vibrocompattate CGV per la riduzione del rischio di liquefazione

Si procede a illustrare il dimensionamento eseguito per la riduzione del rischio di liquefazione mediante la formazione di colonne di ghiaia vibrocompattate CGV. Come precedentemente illustrato in Fig. n. 2.2, all'interno dell'area di sedime del futuro fabbricato l'unica prova che mostra indice potenziale di liquefazione superiore alla soglia di 2 (Rischio Moderato) risulta essere la verticale CPTU11. Il dimensionamento dell'intervento di mitigazione del rischio di liquefazione verrà sviluppato alla luce dei dati numerici relativi alla sopracitata indagine.

3.1.1 Dimensionamento per la riduzione del rischio di liquefazione

Il dimensionamento geotecnico delle colonne di ghiaia vibrocompattate è stato svolto secondo quanto proposto da Priebe (1995). Il miglioramento delle caratteristiche del sottosuolo, conseguente alla realizzazione di una colonna di ghiaia, viene valutata sulla assunzione che, durante input sismico, il materiale ghiaioso è soggetto a rottura per taglio mentre il suolo al contorno reagisce elasticamente. Il risultato del miglioramento è espresso con il fattore n_0 , ricavabile dalle seguenti relazioni:

$$n_0 = 1 + \frac{A_c}{A} \cdot \left[\frac{1/2 + f(\mu_s, A_c/A)}{K_{ac} \cdot f(\mu_s, A_c/A)} - 1 \right]$$

$$f(\mu_s, A_c/A) = \frac{(1 - \mu_s) \cdot (1 - A_c/A)}{1 - 2\mu_s + A_c/A}$$

$$K_{ac} = \tan^2(45^\circ - \varphi_c/2)$$

Per eventi sismici di breve durata, nei quali le deformazioni dei terreni avvengono in condizioni di volume costante, risulta più realistico considerare ai fini del calcolo di n_0 , un valore di μ_s pari a 0.5, comportando una semplificazione delle relazioni appena proposte. Così facendo è possibile determinare il fattore migliorativo secondo la seguente relazione:

$$n_0 = 1 + \frac{A_c}{A} \cdot \left[\frac{1}{K_{ac} \cdot (1 - A_c/A)} - 1 \right] \quad K_{ac} = \tan^2(45^\circ - \varphi_c/2)$$

Dove A_c rappresenta l'area della sezione della colonna di consolidamento, A è l'area di influenza della singola colonna di consolidamento, K_{ac} è il coefficiente di spinta attiva delle colonne e φ_c è l'angolo di resistenza al taglio della ghiaia utilizzata.

Una volta ricavato il fattore n_0 viene calcolato il parametro α . Tale parametro definisce il rapporto tra il livello tensionale rimanente sul terreno tra le colonne di consolidamento e la sovrappressione totale. Il parametro α costituisce l'inverso del fattore di miglioramento n_0 apportato dalle colonne.

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$$\alpha = \frac{p_s}{p} = \frac{1}{n_0} = \frac{k_{a,c} \left(1 - \frac{A_c}{A}\right)}{\frac{A_c}{A} + k_{a,c} \left(1 - \frac{A_c}{A}\right)^2}$$

Tale valutazione si basa sull'efficienza meccanica delle colonne di ghiaia addensata per le quali si può considerare un angolo di resistenza al taglio ϕ_c pari a 45° e un modulo operativo $E_c > 100$ MPa.

Il dimensionamento dell'intervento di consolidamento è stato svolto considerando la realizzazione di una maglia regolare di colonne di ghiaia vibrocompattate (CGV) all'interno della quale si evidenzia rischio di liquefazione. Il calcolo delle caratteristiche geometriche della maglia e delle colonne è stato svolto al fine di raggiungere la condizione di $LPI_{RESIDUO} < 2$, per la quale è possibile garantire la riduzione dei fenomeni di liquefazione osservati e ricondurre la classe di rischio all'interno della classe di rischio basso (Classificazione Somnez). Le verifiche alla liquefazione post-intervento secondo le formulazioni precedentemente illustrate sono state svolte considerando l'analoga parametrizzazione eseguita per le verifiche della liquefazione in condizioni free-field.

In allegato al presente elaborato vengono indicati i tabulati di calcolo relativi al dimensionamento illustrato. Si illustrano successivamente i principali risultati ottenuti a seguito del dimensionamento eseguito:

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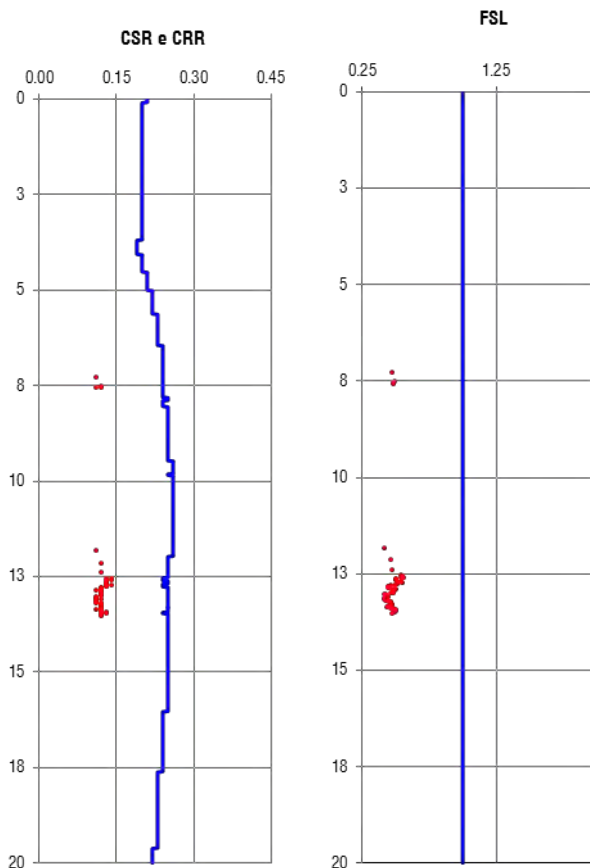
CPTU11	LPI FREE-FIELD	2.10	RISCHIO ALTO (SOMNEZ 2003)
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INTERVENTO DI CONSOLIDAMENTO DIMENSIONATO

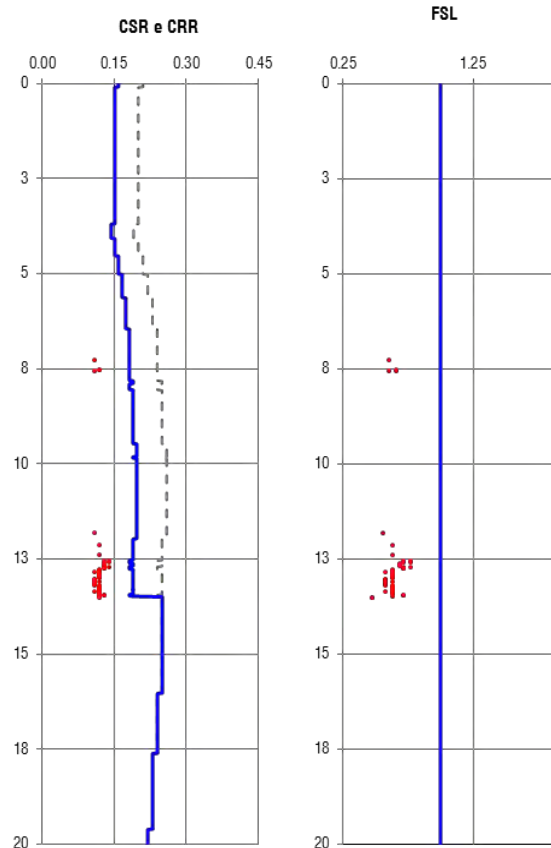
COLONNE DI GHIAIA (CGV)	MAGLIA (m)	DIAMETRO ϕ (m)	ANGOLO D'ATTRITO GHIAIA ϕ'	PROFONDITÀ (m)
	2.50 x 2.50	0.70	45	-13.50 da p.c.

PRIEBE (1995)	A (m ²)	Ac	A/Ac	k _{ac}	α
	6.25	0.385	16.24	0.1715	0.76

ANALISI FREE-FIELD



ANALISI POST INTERVENTO



Graf. 1-2: Rapporto CSR e CRR e relativo fattore di sicurezza FL, relativa alla condizione free-field (sinistra) e in seguito all'intervento di consolidamento (destra).

INDICE DI LIQUEFAZIONE RESIDUO POST INTERVENTO

CPTU11	LPI RESIDUO	1.52	RISCHIO BASSO (SOMNEZ 2003)
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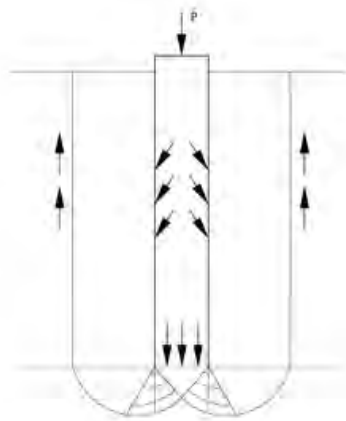
3.1.2 Verifica della capacità portante

Al fine di verificare la capacità portante dell'intervento di consolidamento proposto, sono state eseguite verifiche considerando colonne di ghiaia aventi un diametro pari a $\Phi = 700$ mm e di lunghezza utile pari a $L = 13.50$ m.

Al fine di ottemperare la normativa tecnica NTC 2018 è stato effettuato il calcolo della capacità portante in condizioni non drenate di una colonna singola allo stato limite ultimo SLU, utilizzando l'approccio 2 combinazione 1 (A1+M1+R3). Una colonna di ghiaia è in grado di resistere ad azioni compressive per solo effetto di resistenza offerta dalla punta (base della colonna) in quanto il materiale impiegato per la formazione dell'opera non subisce alcuna cementazione. Per tale motivo per la determinazione della resistenza geotecnica non verrà considerato il contributo della resistenza laterale del fusto della colonna. Per quanto riguarda la determinazione della resistenza alla punta della colonna di ghiaia è stato considerato il **coefficiente riduttivo per pali trivellati**. Poiché le colonne raggiungeranno l'unità geotecnica composta da argille limose a media consistenza, sottostanti il livello liquefacibile, il carico alla punta verrà valutato in condizioni non drenate secondo il metodo proposto da Berezantzev.

Resistenza unitaria alla punta (Formula di Berezantzev)

Fondamentalmente Berezantzev fa riferimento ad una superficie di scorrimento "alla Terzaghi" che si arresta sul piano di posa (punta del palo); tuttavia egli considera che il cilindro di terreno coassiale al palo ed avente diametro pari all'estensione in sezione della superficie di scorrimento, sia in parte "sostenuto" per azione tangenziale dal rimanente terreno lungo la superficie laterale. Ne consegue un valore della pressione alla base inferiore a γD , è tanto minore quanto più questo "effetto silo" è marcato, cioè quanto più grande è il rapporto D/B ; di ciò tiene conto il coefficiente N_q , che quindi è funzione decrescente di D/B .



Meccanismo di rottura secondo Berezantzev

La resistenza unitaria Q_p alla punta, per il caso di terreno dotato di attrito (ϕ) e di coesione (c), è data dall'espressione:

$$Q_p = c N_c + \gamma L N_q$$

avendo indicato con:

- γ = peso unità di volume del terreno;
- L = lunghezza del palo;
- N_c e N_q = sono i fattori di capacità portante già comprensivi dell'effetto forma (circolare)

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Dati generali

Descrizione	COLONNA DI GHIAIA CGV
Diametro punta	0.70 m
Lunghezza	13.50 m
Densità relativa strato punta palo	30
Portanza di punta calcolata con:	Hansen
Profondità falda da piano campagna	3.40 m

Stratigrafia

Nr.	Hs	Peso unità di Volume [kg/m³]	Peso Unità di volume Saturo [kg/m³]	c [kg/cm²]	Fi (°)	Attrito negativo	Alfa	Descrizione litologica
1	3.50	1800.00	2000.00	0.50	0.00	No	0.46	Argilla limosa a media consistenza U1
2	3.30	1750.00	1950.00	0.30	0.00	No	0.67	Argilla limosa a scarsa consistenza U2
3	5.40	1900.00	2100.00	0.50	0.00	No	0.46	Argilla limosa a media consistenza U1
4	1.00	1800.00	2000.00	0.00	32.00	No	1.00	Sabbia limosa a scarso addensamento U4
5	3.00	1800.00	2000.00	0.50	0.00	No	0.46	Argilla limosa a media consistenza U1
6	4.00	1900.00	2100.00	1.00	0.00	No	0.25	Argilla limosa consistente U3

Resistenza di progetto carichi assiali A1 + M1 + R3

Resistenza caratteristica carichi assiali

A1 + M1 + R3

Stratigrafia	Nq	Nc	Fi/C strato punta Palo (°)/[kg/cm²]	Peso palo [kg]	Carico limite punta [kg]	Carico limite laterale [kg]	Carico limite [kg]	Attrito negativo [kg]	Carico limite orizzontale [kg]
A1 + M1 + R3	1.00	9.00	0/0.50	12988.52	27468.32	0.00	14479.79	--	--

Numero verticali di indagine

1

Fattore correlazione verticale indagate minima (xi4)

1.70

Coefficiente parziale resistenza caratteristica

R3

Base

1.35

Coefficiente riduttivo punta (1.35 x 1.70) = 2.30

Carico limite

27468.32 kg

Resistenza di progetto (Tensioni ammissibili FS=3.00)

9156.11 kg

Resistenza di progetto (A1 + M1 + R3)

11942.75 kg

RD (A1 + M1 + R3) = 117.12 KN = 11.94 ton/colonna

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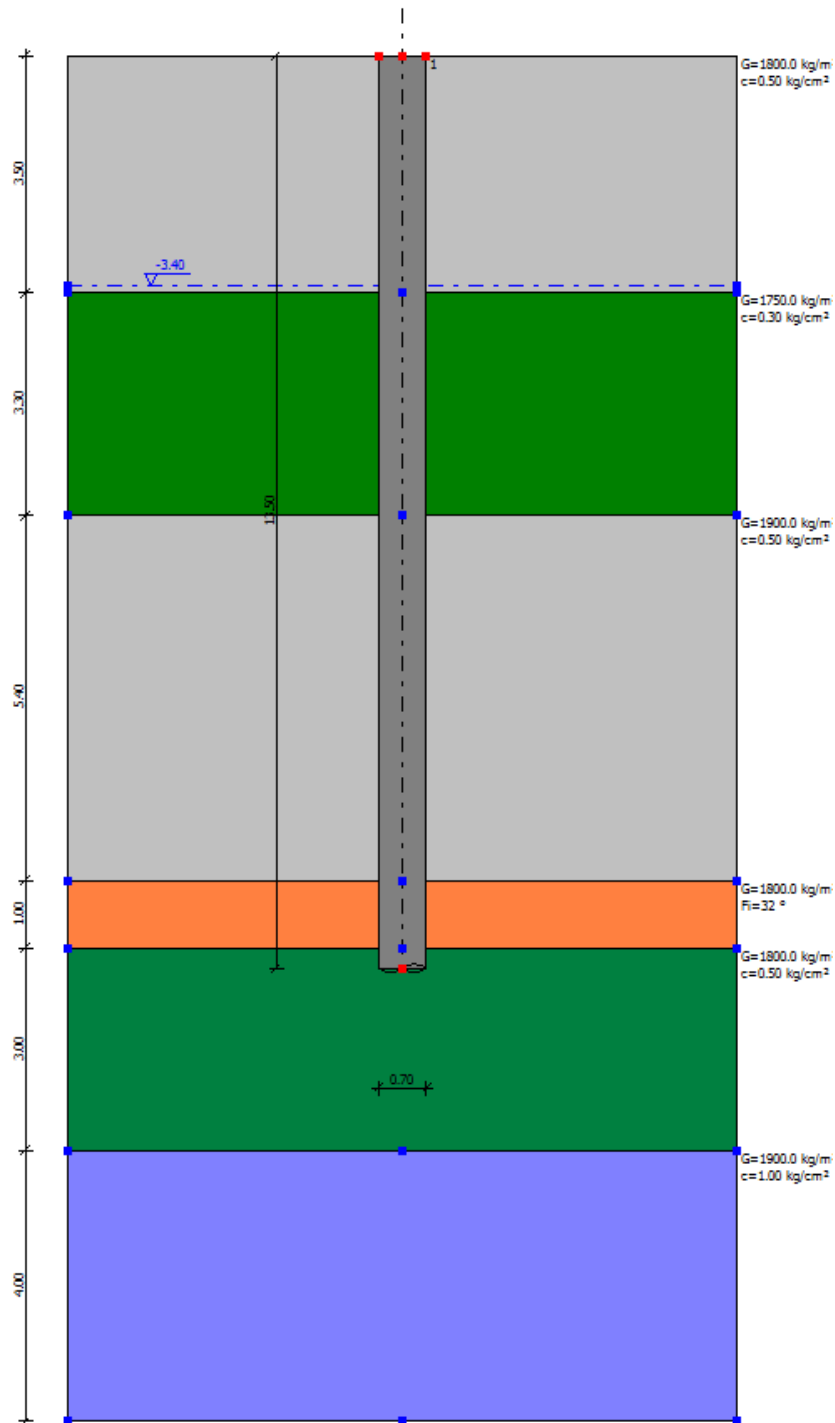
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Modello stratigrafico



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La portanza calcolata è riferita a una singola colonna. Per gruppi di pali o colonne l'efficienza è unitaria per interassi relativamente elevati, ma decresce al diminuire dell'interasse. Per stimare l'effetto di gruppo delle colonne in progetto è stata utilizzata la formulazione empirica proposta da Converse-Labarre attraverso la quale è possibile determinare l'efficienza di ciascun gruppo di pali/colonne in funzione delle caratteristiche geometriche relative alla disposizione planimetrica. La formulazione utilizzata per il calcolo dell'efficienza è la seguente:

$$E = 1 - \frac{\arctan(i/d)}{\pi/2} \cdot \frac{(m-1) \cdot n + (n-1) \cdot m}{m \cdot n}$$

Dove:

i = spaziatura tra i pali/colonne

m = numero di file

n = numero di pali/colonne

d = diametro dei pali/colonne

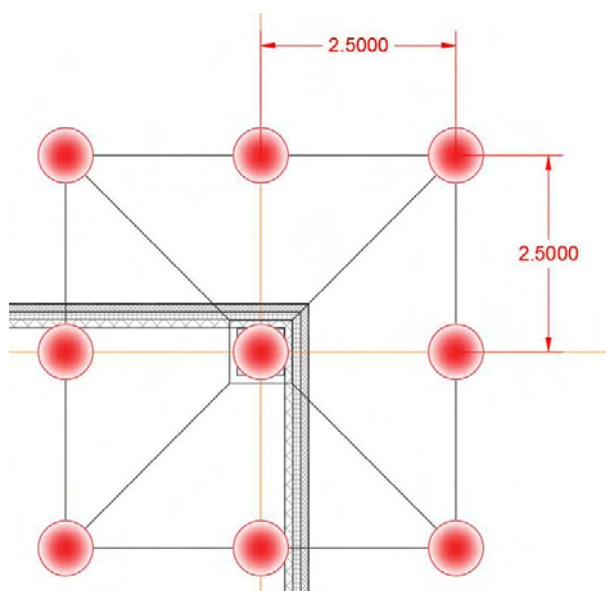


Fig. n. 3.1 – Rappresentazione schematica della disposizione delle colonne di ghiaia in corrispondenza di un plinto



EFFETTO DI GRUPPO SULLE PORTATE - protocollo di Converse Labarre				
		A1+M1+R3		T.A.
m	numero di file di pali	3		3
n	numero di pali per fila	3		3
i	interasse fra i pali	2.5	[m]	2.5
E	fattore di efficienza	0.77		0.77
N	numero pali totali	9		9
PORTATA TOTALE		1054	[kN]	808
PORTATA TOTALE DI GRUPPO		810	[kN]	621

PORTATA TOTALE AMM. DI GRUPPO (A+B) – A1+M1+R3	808	[kN]	82.36	[ton]
PORTATA TOTALE AMM. DI GRUPPO (A+B) – T.A.	621	[kN]	63.30	[ton]

Alla capacità portante derivata per le considerate è da sommare la capacità portante del terreno rimanente al contorno delle colonne stesse. Si illustrano successivamente i passaggi eseguiti per il calcolo del contributo apportato dal terreno nei confronti della capacità portante complessiva.

Si procede alla verifica della capacità portante del terreno di fondazione in condizioni naturali (pre-consolidamento) considerando plinto approfondito di **D = 1.50 m** e avente dimensioni in pianta pari a **B = 5.00 m** e lunghezza **L = 5.00 m**.

In conformità alle verifiche di capacità portante eseguite per le colonne, la verifica della capacità portante è stata eseguita in condizioni non drenate secondo APPROCCIO 2 – COMBINAZIONE 1 (SLU NTC 2018) e secondo l'approccio delle tensioni ammissibili. Le verifiche sono state svolte considerando i parametri geotecnici dell'unità geotecnica **U1** (si faccia riferimento al modello geotecnico precedentemente illustrato).

PLINTO 5.00 m x 5.00 m – CONDIZIONE STATICA-CONDIZIONI NON DRENATE [A1+M1+R3]
Carico limite ultimo SLU - Breve Termine – Condizioni non drenate

Profondità di imposta	Dimensioni della fondazione	Carico limite ultimo SLU F.S. = 2.3
- 1.50 m da p.c.	5.00 m x 5.00 m	1.70 kg/cm ² ≈ 170 kN/m ²

PLINTO 5.00 m x 5.00 m – CONDIZIONE STATICA-CONDIZIONI NON DRENATE [T.A.]
Carico limite ultimo SLU - Breve Termine – Condizioni non drenate

Profondità di imposta	Dimensioni della fondazione	Carico limite ultimo SLU F.S. = 3.00
- 1.50 m da p.c.	5.00 m x 5.00 m	1.04 kg/cm ² ≈ 104 kN/m ²

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Si procede alla verifica comparativa dei valori di resistenza R_d e azione E_d :

Confronto capacità portante totale / Carichi					
	Descrizione	A1+M1+R3		TENSIONI AMM.	
A	Area singola colonna	0.38	[m ²]	0.38	[m ²]
n	Numero colonne	9		9	
A_{tot} Colonne	Area totale colonne	3	[m ²]	3	[m ²]
Q_{amm} Colonna singola	Portata ammissibile colonna singola	117	[kN]	916	[kN]
Q_{TOT GRUPPO A+B}	Portata totale di gruppo	810	[kN]	621	[kN]
Q_{amm} GRUPPO A+B	Portata unitaria colonne	234	[kN/m ²]	179	[kN/m ²]
A_{tot} Plinto	Area totale plinto	25	[m ²]	25	[m ²]
A_{lib}	Area libera	22	[m ²]	22	[m ²]
Q_{amm} TERRENO	Portata terreno naturale (Plinto 5x5)	170	[kN/m ²]	104	[kN/m ²]
Q_{TOT} AREA LIBERA	Portata area libera	3661	[kN]	2240	[kN]
Q_{TOT} AREA LIBERA+COLONNE	Portata totale terreno+colonne	4471	[kN]	2861	[kN]
Q_{AREA LIBERA+COLONNE}	Portata unitaria terreno+colonne	179	[kN/m ²]	114	[kN/m ²]
ED/RD					
P_{MED}	Sovraccarico unitario sul plinto (SLE)			60	[kN/m ²]
P_{TOT}	Sovraccarico totale sul plinto (SLE)			1500	[kN]
FATTORE SICUREZZA (RD/ED) [SLE RARA]				1.91	
P_{MED}	Sovraccarico unitario sul plinto (SLU STATICO)	80	[kN/m ²]		
P_{TOT}	Sovraccarico totale sul plinto (SLU STATICO)	200	[kN]		
FATTORE SICUREZZA (RD/ED) [SLU STATICO]		2.24			
P_{MED}	Sovraccarico unitario sul plinto (SLU STATICO E DINAMICO)	100	[kN/m ²]		
P_{TOT}	Sovraccarico totale sul plinto	2500	[kN]		
FATTORE SICUREZZA (RD/ED) [SLU STATICO E DINAMICO]		1.79			

Dati i valori di E_d derivati per le condizioni SLE, SLU STATICO e SLU DINAMICO risulta sempre verificata la condizione **$E_d < R_d$** imposta da normativa tecnica nazionale NTC 2018.

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3.1.3 Verifica dei cedimenti attesi

Al fine di verificare i cedimenti derivabili per il volume significativo di sottosuolo a seguito dell'intervento in progetto, è stata svolta un'analisi tensionale mediante un modello FEM (Finite Elements Model). L'analisi è stata svolta attraverso il risolutore geotecnico PLAXIS 2D V 9.0. Il codice di calcolo PLAXIS 2D V 9.0 è un software sviluppato dalla Technincal University of Delft per conto del Dutch Department of Public Works and Public Management. Tale programma costituisce un modello numerico bidimensionale agli elementi finiti, utilizzabile per eseguire analisi di deformazione e stabilità nell'ambito di molteplici applicazioni dell'ingegneria geotecnica. Tale codice permette quindi di simulare situazioni reali riconducibili a condizioni di deformazione piana partendo da un modello geometrico e di generare un reticolo di elementi finiti. Il software è costituito da 4 parti che si succedono e prevede 7 modelli costitutivi di materiale con la possibilità di editarne uno personalizzato e 4 diverse tipologie di calcolo per attuare analisi plastiche, di consolidamento e di stabilità.

Per la simulazione del comportamento dei terreni analizzati, a differenza dei modelli elastici perfettamente plastici, è stato adottato un modello tipo **"Hardening-soil Model"** (modello incrudente). Secondo tale modello la superficie incrudente non è strettamente collegata a un principale piano di stress, ma può espandersi a seguito di uno sforzo di tipo plastico (Shanz 1998). I terreni di questo tipo, una volta soggetti a un carico primario deviatorico, mostrano un decremento della rigidezza e, contemporaneamente, si deriva l'instaurarsi di una deformazione plastica irreversibile. I parametri che descrivono la rigidezza/deformabilità dei terreni nel modello incrudente sono i seguenti:

E_{50} – Modulo di rigidezza secante derivato da prove triassiali in condizioni drenate;

E_{oed} – Modulo di rigidezza tangente derivato da prove edometriche;

E_{ur} – Modulo di rigidezza di scarico/ricarico (generalmente $E_{ur} = 3E_{50}$) ;

La parametrizzazione dei terreni analizzati, nei termini dei predetti parametri, è illustrata precedentemente nel modello geologico/geotecnico derivato a seguito della campagna geognostica eseguita. Per quanto riguarda la simulazione delle colonne di ghiaia CGV in progetto, è stato adottato un valore bibliografico per il modulo elastico pari a **50.00 MPa**. In accordo con la progettazione strutturale eseguita, ai fini dell'analisi dei cedimenti indotti, è stato considerato cautelativamente il valore massimo di pressione (SLE Rara) indicata dal progettista, gravante sui plinti, pari a $\Delta P = 76.00 \text{ kN/m}^2$.

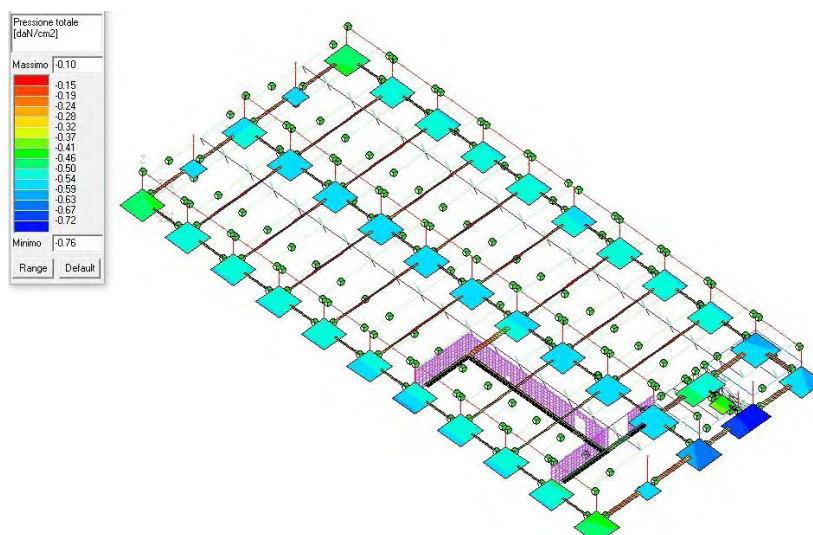


Fig. 3.2 – Distribuzione dei carichi (SLE RARA)

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3.1.4 Modello geometrico iniziale

Con la finalità della stima dei cedimenti derivabili a seguito dell'intervento di consolidamento, è stato costituito il modello geometrico relativo al volume significativo di sottosuolo condizionabile dai carichi in progetto. Il modello geometrico costituito è rappresentato in Fig. n. 3.3.

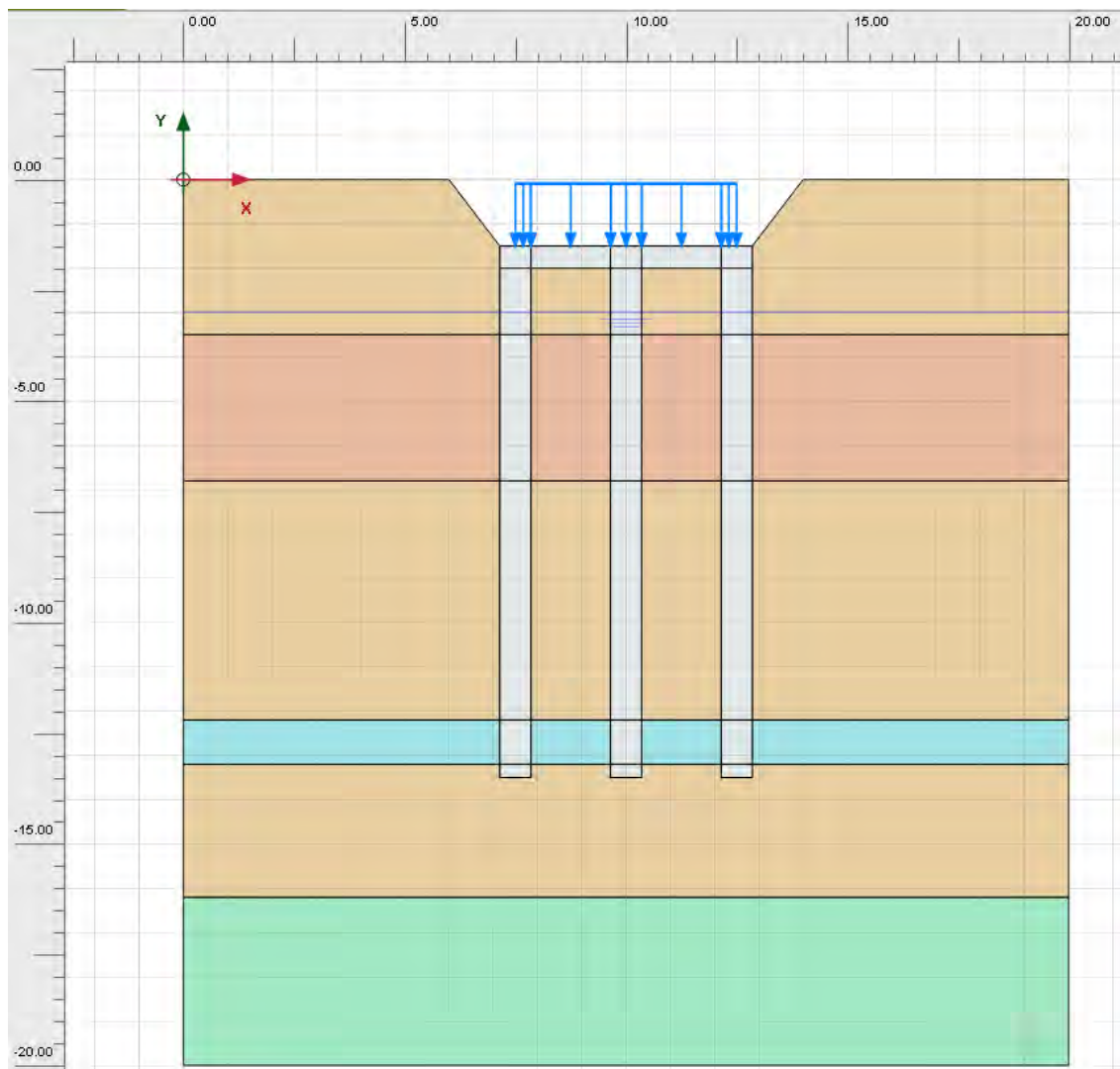


Fig. 3.3 – Modello geometrico utilizzato ai fini dell'analisi in oggetto

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Trattandosi di modello agli elementi finiti FEM, è stata generata una mesh regolare definita da singoli elementi triangolari.

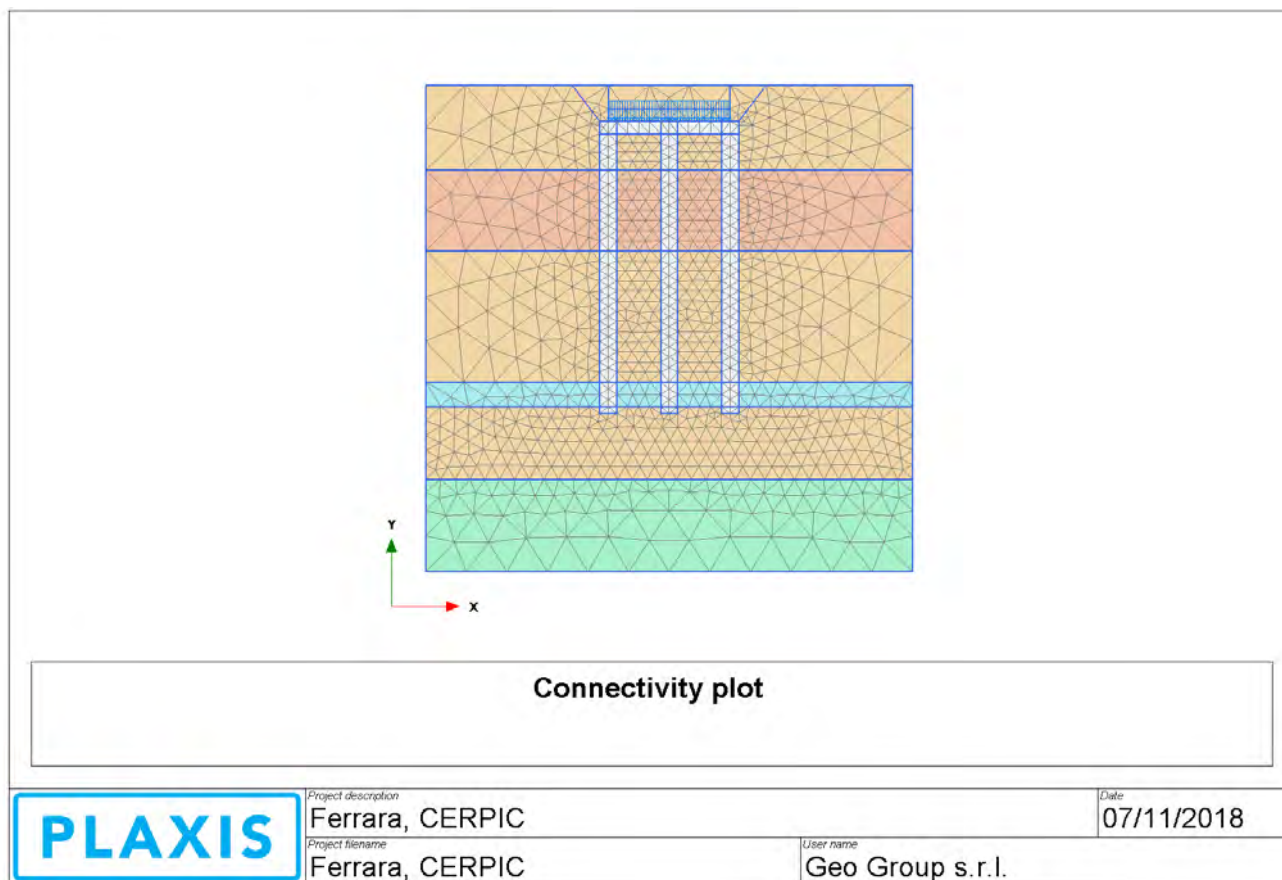


Fig. 3.4 – Mesh triangolare generata

Definita la mesh degli elementi e nodi di calcolo da utilizzare, sono state impostate le condizioni al contorno del modello. Trattandosi di modello finalizzato all'identificazione dello sviluppo di cedimenti, al bordo inferiore è stato posto un vincolo sia in direzione x che y; alle estremità laterali del modello è stato invece vincolato solamente l'asse x.



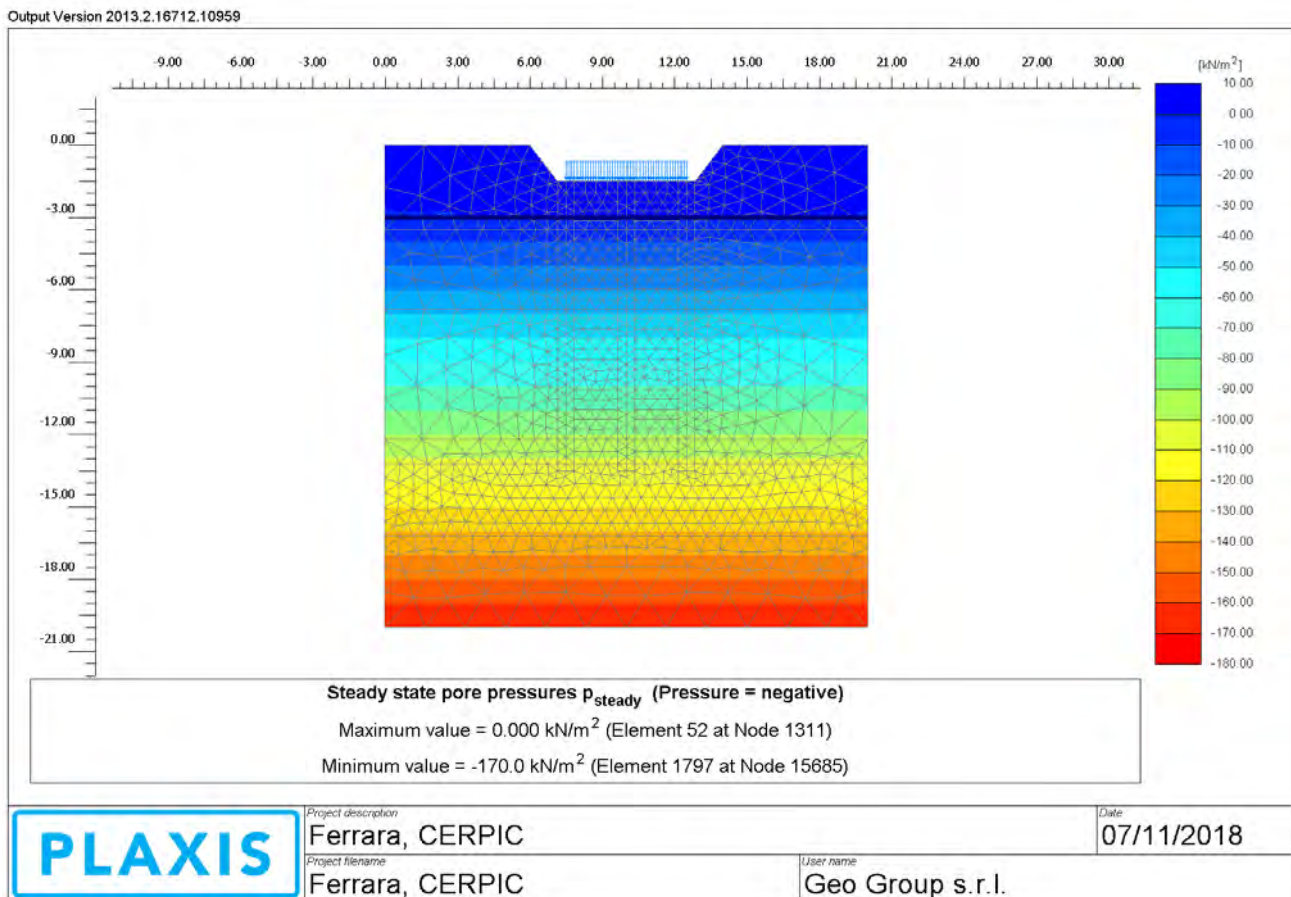


Fig. 3.5 – Rappresentazione della posizione della tavola d'acqua e andamento della pressione attiva dei pori con la profondità (ogni livello cromatico rappresenta un incremento di pressione pari a 10.00 kN/m^2)

3.1.5 Fase 1: Formazione delle colonne e applicazione del carico

La seguente fase analizza le deformazioni attese a seguito dell'applicazione del carico e alla formazione delle colonne di ghiaia CGV. Nel modello sono stati sostituiti i cluster della porzione centrale del modello, relativi ai terreni finora modellati, con il modello di rigidità definito per le colonne di ghiaia CGV. Al tetto del livello consolidato è stato applicato un carico distribuito pari a 60.00 kN/m^2 .

Per la seguente fase di calcolo è stato analizzato il cedimento immediato del terreno di fondazione successivamente all'applicazione del carico derivante dalla struttura in progetto. Al termine dell'analisi è stato derivato un valore di cedimento immediato verticale massimo pari a $U_y = 2.76 \text{ cm}$.

Si illustrano successivamente, per via grafica, le deformazioni analizzate relative al cedimento immediato del terreno di fondazione.

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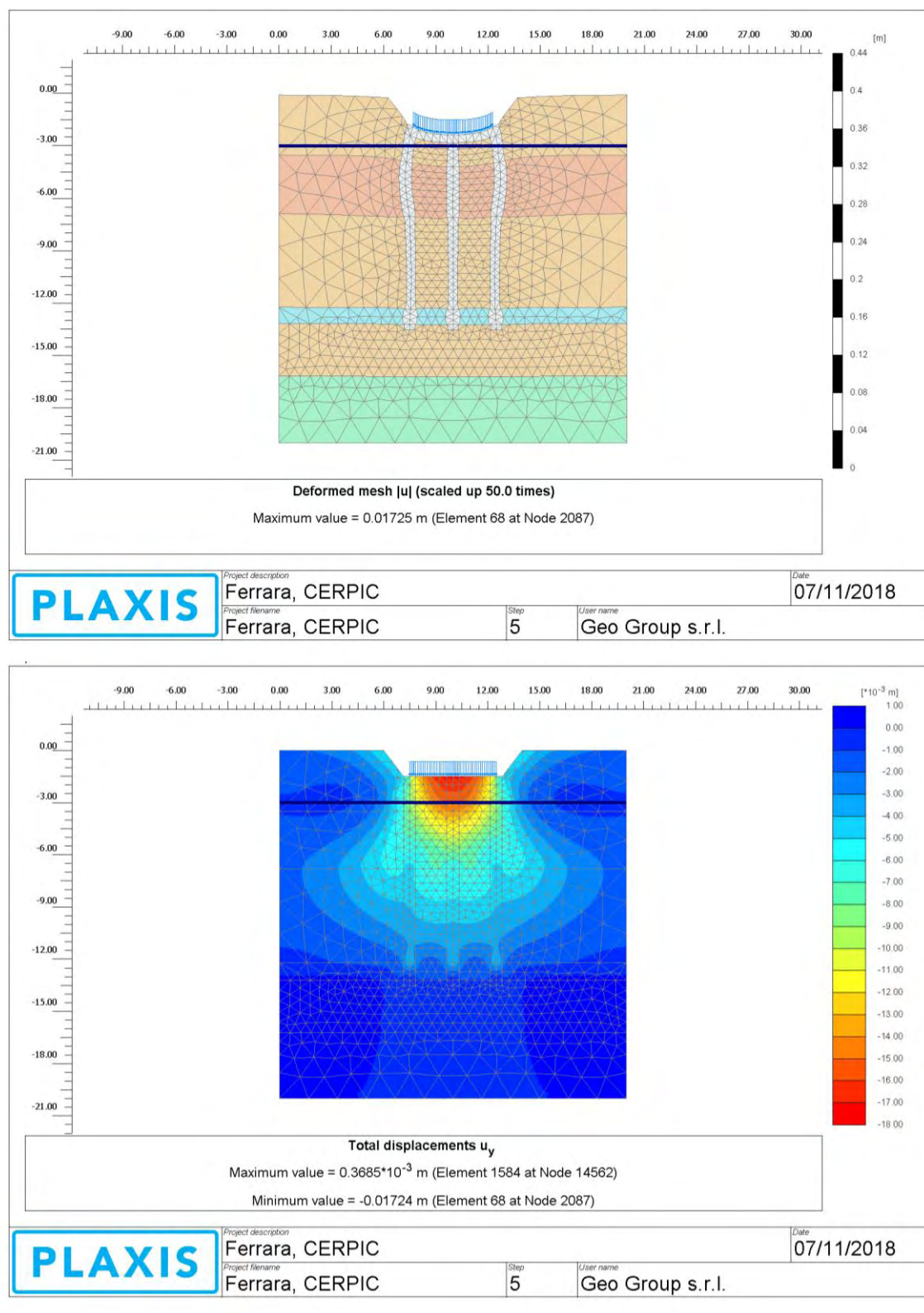


Fig. 3.6 – (In Alto) Deformata del modello a seguito dell'applicazione del carico e della realizzazione delle colonne di ghiaia CGV; (In Basso) Mappatura dei cedimenti immediati calcolati in seguito all'applicazione del carico;

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Si riassumono successivamente i valori di cedimento calcolati:

	Cedimento verticale
	cm
Cedimento primario immediato U_y	1.725
Cedimento totale	1.725

Definito il cedimento totale teorico del terreno di fondazione consolidato, si procede alla verifica del coefficiente di Winkler per i plinti calcolati. Il modello di Winkler considera il terreno come formato da una distribuzione di vincoli semplici bilaterali elastici. La relazione che ne regola il comportamento è di tipo lineare tra il cedimento (w) e la pressione di contatto (p): $p = kw$. Il parametro k è detto costante di sottofondo. Come è noto, k non dipende solo dal terreno, ma anche dai carichi applicati, dalle proprietà del terreno, dalla forma e dimensioni della fondazione. Utilizzando la Formula di Bowles (1974):

$$k \text{ (kN/mc)} = 40 \cdot Q_{\text{lim}} \text{ effettivo applicato} \cdot F_c$$

Modulo di sottofondo		
Cedimento di riferimento	Carico applicato sul terreno	Costante di Winkler
S = 1.725 cm	$\Delta P = 0.76 \text{ kg/cm}^2 \approx 76 \text{ kN/m}^2$	$1.34 \text{ kg/cm}^3 \approx 13428 \text{ kN/m}^3$

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4. VERIFICHE GEOTECNICHE PLINTI NON CONSOLIDATI

Nel presente paragrafo verranno definite le resistenze geotecniche relativamente ai plinti che verranno realizzati nelle aree non interessate dal consolidamento. Tali resistenze sono contenute nella relazione geologica redatta da Geo Group Srl.

4.1 Capacità portante SLU (6.4 NTC 2018)

In relazione a quanto esposto nella normativa tecnica nazionale NTC 2018, si procede alla verifica nei confronti degli stati limite ultimi (SLU) di resistenza del terreno (GEO) relativamente alle opere di fondazione in oggetto, di **tipo superficiale**, fornendo il valore di resistenza offerta dal sistema geotecnico ($R_{d\ GEO}$). Il valore di progetto della resistenza R_d può essere determinato:

- a) in modo analitico, con riferimento al valore caratteristico dei parametri geotecnici del terreno, diviso per il valore del coefficiente parziale γ_M specificato nella Tab. 6.2.II (NNTC 2018) e tenendo conto, ove necessario, dei coefficienti parziali γ_R specificati nei paragrafi relativi a ciascun tipo di opera;
- b) in modo analitico, con riferimento a correlazioni con i risultati di prove in sito, tenendo conto dei coefficienti parziali γ_R riportati nelle tabelle contenute nei paragrafi relativi a ciascun tipo di opera;
- c) sulla base di misure dirette su prototipi, tenendo conto dei coefficienti parziali γ_R riportati nelle tabelle contenute nei paragrafi relativi a ciascun tipo di opera.

Le verifiche sono effettuate applicando la combinazione (A1+M1+R3) di coefficienti parziali prevista dall'approccio 2, tenendo conto dei valori dei coefficienti parziali riportati nelle tabelle 6.2.I, 6.2.II e 6.4.I.

Fattori correttivi sismici: Paolucci e Pecker (1997)

Per tener conto degli effetti inerziali indotti dal sisma nei riguardi della determinazione del q_{lim} vengono introdotti, all'interno della formula di Terzaghi, i fattori correttivi z :

$$z_c = 1 - 0.32 \cdot K_h \qquad z_q = \left(1 - \frac{k_h}{\tan \phi}\right)^{0.35} \qquad z_v = z_q$$

Dove il K_h è il coefficiente sismico orizzontale. Le verifiche sono state effettuate considerando quindi i seguenti parametri sismici:

- a_{MAX} (ag/g): **0.337g** (relativa a SLV ; $T_r = 1898$ anni);
- coefficiente intensità sismica del terreno K_h : **0.080**

La determinazione della resistenza R_d GEO è stata svolta nella condizione sia a breve che a lungo termine per l'intervento in progetto.

La resistenza R_d calcolata in condizioni "non drenate" dove $C_u \neq 0$ e $\phi = 0$, applicando il coefficiente parziale di riduzione della coesione non drenata secondo la seguente relazione $C_{ud} = C_{uk} / 1.0$, per cui si avrà $C_{ud} = C_{uk}$, dove C_{ud} = coesione non drenata di progetto e C_{uk} = coesione non drenata caratteristica, sarà pari a:



CONDIZIONE STATICA – CONDIZIONI NON DRENATE – A1+M1+R3		
Profondità di imposta	Dimensioni della fondazione	Carico limite ultimo SLU F.S. = 2.3
-1.50 m da p.c.	5.00 m x 5.00 m	1.38 kg/cm ² ≈ 138 kN/m ²

La resistenza R_d calcolata in condizioni “**drenate**” seguendo l’**Approccio 2**, combinazione (**A1 + M1 + R3**), applicando il coefficiente di riduzione parziale per la tangente dell’angolo di attrito secondo la relazione: **$\tan \phi' = \tan \phi'_k / 1,0$** , dove **$\phi'_d$** è l’angolo d’attrito di progetto, ne deriva, essendo **$\phi'_k = \phi'_d$** . Quindi secondo la formula di Terzaghi si ottiene, per l’intervento in progetto uno stato limite ultimo pari a:

CONDIZIONE STATICA – CONDIZIONI DRENATE – A1+M1+R3		
Profondità di imposta	Dimensioni della fondazione	Carico limite ultimo SLU F.S. = 2.3
-1.50 m da p.c.	5.00 m x 5.00 m	1.99 kg/cm ² ≈ 199 kN/m ²

CONDIZIONE PSEUDO-STATICA – CONDIZIONI DRENATE – A1+M1+R3		
Profondità di imposta	Dimensioni della fondazione	Carico limite ultimo SLU F.S. = 2.3
-1.50 m da p.c.	5.00 m x 5.00 m	1.86 kg/cm ² ≈ 186 kN/m ²

4.2 Verifica dei cedimenti

È stato eseguito il calcolo dei cedimenti del terreno di fondazione per ciascuna prova penetrometrica CPTU, mediante il software CPeT – IT v. 1.7.4.13 prodotto da GeoLogisMiki – Geotechnical Software, mediante le seguenti formule.

Per il calcolo del cedimento primario:

$$S = \sum \frac{\Delta \sigma_v}{M_{CPT}} \Delta z$$

Per il calcolo del cedimento per rifluimento viscoso (creep):

$$S = C_a \cdot \Delta z \cdot \log(t)$$

I calcoli sono stati eseguiti per ciascuna prova CPTU, considerando i seguenti dati:

Larghezza fondazione: 5.00 m

Lunghezza fondazione: 5.00 m

Piano di posa della fondazione: -1.50 m da p.c.

Carico applicato al terreno: 80 kPa.

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Si riportano di seguito i risultati relativi al cedimento totale del terreno di fondazione, ottenuti per ciascuna prova CPTU:

PROVA	CEDIMENTO TOTALE [CM]
CPTU 1	3.17
CPTU 2	2.31
CPTU 3	1.80
CPTU 4	1.42
CPTU 5	2.82
CPTU 6	1.70
CPTU 7	3.65
CPTU 8	5.36
CPTU 9	1.68
CPTU 10	1.31
CPTU 11	1.18
CPTU 12	0.85
CPTU 13	1.45
CPTU 14	0.66
CPTU 15	1.52
CPTU 16	1.19
CPTU 17	1.09
Cedimento medio	1.95

4.3 Modulo di sottofondo

Il modello di Winkler considera il terreno come formato da una distribuzione di vincoli semplici bilaterali elastici. La relazione che ne regola il comportamento è di tipo lineare tra il cedimento (w) e la pressione di contatto (p): $p = kw$.

Il parametro k è detto costante di sottofondo. Come è noto, k non dipende solo dal terreno ma anche dai carichi applicati, dalle proprietà del terreno, dalla forma e le dimensioni della fondazione.

Utilizzando la Formula di Bowles (1974):

$$k \text{ (kN/mc)} = 40 \cdot Q_{lim} \cdot F_c,$$

dove $F_c = 2.54/\text{cedimento della fondazione (cm)}$, considerando i cedimenti di riferimento calcolati ed i carichi ipotizzati e sopra riportati, si sono ottenuti i seguenti risultati per il **modulo di sottofondo** (o **costante di Winkler**):

Carico applicato	Cedimento di riferimento	Modulo di sottofondo (K di Winkler)
$P = 0.80 \text{ kg/cm}^2 \approx 80 \text{ kN/m}^2$	$S=1.95 \text{ cm}$	$K = 1.25 \text{ kg/cm}^3$

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5. CONCLUSIONI E PRESCRIZIONI DI COLLAUDO

Il presente documento definisce le caratteristiche litologiche e geotecniche per la progettazione dell'intervento di riduzione del rischio di liquefazione mediante colonne di ghiaia vibro-compattate da realizzarsi per il fabbricato che ospiterà Centro Unificato dell'Emergenza della Protezione Civile in Via Bologna località Chiesuol del Fosso Comune di Ferrara (FE).

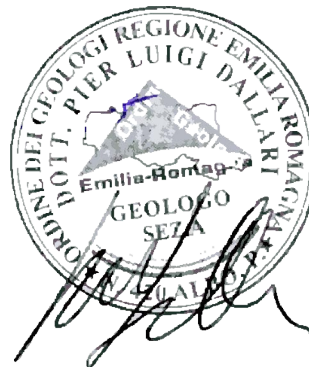
Sulla scorta delle verifiche del fenomeno di liquefazione è stata osservata un'esposizione moderata al rischio (Classi Somnez 2003) di un ristretto settore dell'area di sedime del futuro fabbricato. Detta condizione rende necessario il consolidamento parziale delle fondazioni che ricadono all'interno della superficie per la quale si ipotizza moderata esposizione al rischio di liquefazione.

L'intervento di mitigazione del rischio di liquefazione verrà realizzato attraverso la formazione di **n. 129 colonne di ghiaia vibrocompattate CGV** disposte secondo maglia regolare quadrata **5.00 m x 5.00 m** e fino a profondità di **-13.50 m**. In aggiunta alla formazione di colonne precedentemente descritte, al disotto di ogni plinto, si dovrà costituire un materasso drenante di ghiaia. Tale elemento viene predisposto al fine di dissipare eventuali sovrappressioni idrauliche generate a seguito di input sismico. Si prescrive di realizzare le colonne di ghiaia con materiale inerte di composizione silicea (non carbonatica), al fine di ovviare l'occorrenza di fenomeni di dissoluzione ad opera dei fluidi presenti nel sottosuolo.

La disposizione delle colonne e la sezione schematica delle opere progettate sono visibili nella tavola allegata.

Il dimensionamento di colonne di ghiaia vibrocompattate CGV nell'ottica di riduzione del rischio di liquefazione osservato in condizioni *free-field*. Il dimensionamento è stato eseguito secondo la metodologia proposta da Priebe attraverso la quale è possibile considerare e quantificare un decremento nel sottosuolo dello sforzo di taglio ciclico derivante dall'azione sismica, all'interno del volume di terreno consolidato mediante le colonne di ghiaia. Il dimensionamento è stato mirato alla riduzione dell'indice potenziale di liquefazione LPI sotto la soglia di 2.00 sotto la quale è possibile considerare una "bassa" esposizione al fenomeno co-sismico.

Per quanto riguarda il collaudo degli interventi di consolidamento previsti si premette che risulta di difficoltosa determinazione l'aumento di rigidità del sottosuolo: tale incremento è da considerarsi, infatti, mediato sull'intera area e varia da valori massimi in corrispondenza delle colonne a valori minimi nei punti di terreno non consolidato distanti dalle colonne. Un effetto secondario di mitigazione del fenomeno di liquefazione deriva dall'effetto di "spiazzamento" (*displacement*) che le colonne vibro-compattate esercitano sui sedimenti: è generalmente possibile apprezzare un incremento di densità relativa dei depositi sabbiosi per il predetto effetto con conseguente aumento della resistenza ciclica teorica (CRR). Tale incremento di resistenza è valutabile attraverso l'esecuzione di prove penetrometriche statiche CPTU al termine del consolidamento.



Modena, 7 Novembre 2018

Dott. Geol. Pier Luigi Dallari
GEO GROUP S.r.l.

GEO GROUP s.r.l.

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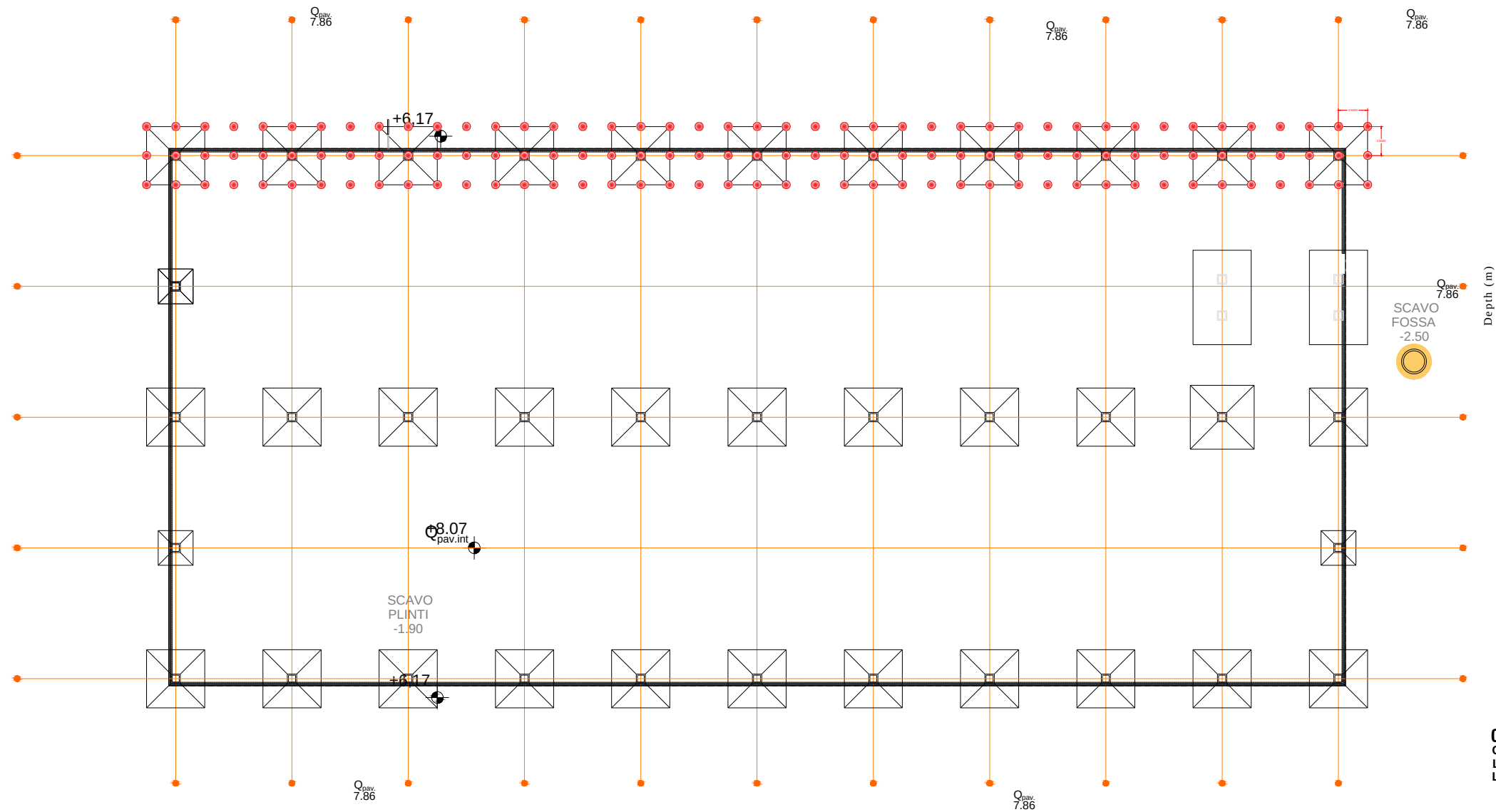
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TAVOLE

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PLANIMETRIA CERPIC



COMPUTO METRICO - INTERVENTO CERPIC
Quantità: 129 colonne / l = 700 mm
Lunghezza utile: 13.50 m da p.c.
Lunghezza totale intervento: 1741.5 m

COMUNE

FERRARA

PROVINCIA DI FERRARA

COMMITTENTE

REGIONE EMILIA ROMAGNA

OGGETTO

Planimetria interventi di riduzione del rischio di liquefazione
mediante realizzazione di colonne di ghiaia vibrocompattate
CGV

TAV 1

PLANIMETRIA PRELIMINARE

SCALA

1:500

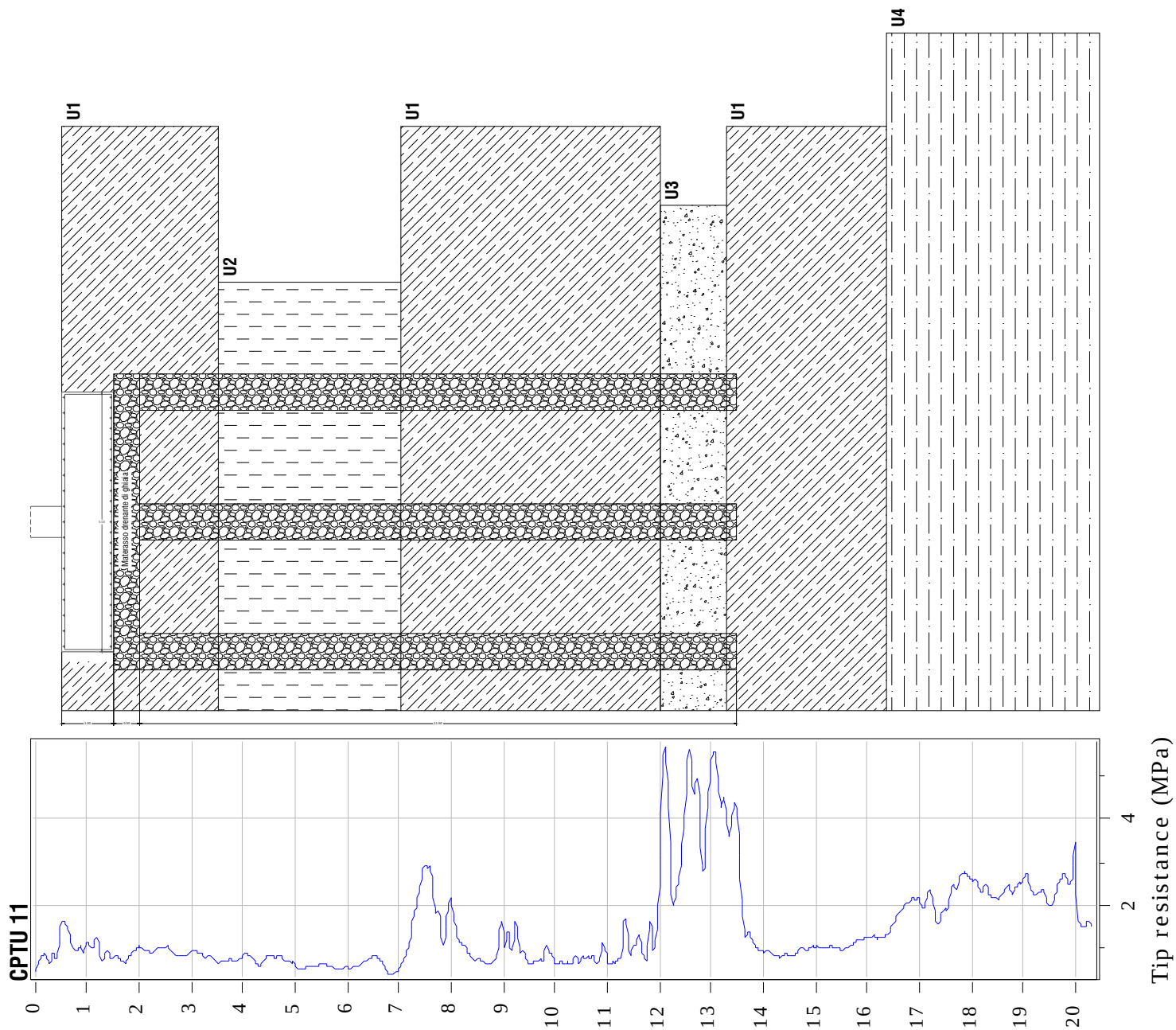
DATA

NOV 2018

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SEZIONE INTERVENTO CONSOLIDAMENTO

SCALA 1:125



NOTE TECNICHE ESECUTIVE

- Le colonne dovranno essere realizzate con ghiaia silicea e non carbonatica, al fine di ovviare l'occorrenza di fenomeni di dissoluzione ad opera dei fluidi presenti nel sottosuolo

CONTROLLI

- Da concordare con D.L. e Collaudatore:

A. VERIFICA DELL'ADDENSAMENTO DEI LIVELLI SABBIOSI

- Con la finalità di individuare l'addensamento raggiunto al termine dell'intervento occorre prevedere di eseguire una prova penetrometrica statica con piezonocono SCPTU (eventualmente da eseguire in corrispondenza dello stesso punto d'indagine eseguita per lo studio)
- Realizzazione di prove di carico su piastra al fine di valutare il modulo di rigidità raggiunto dalla colonna e per diretto confronto di quello usato in sede di progettazione



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Allegato n.1

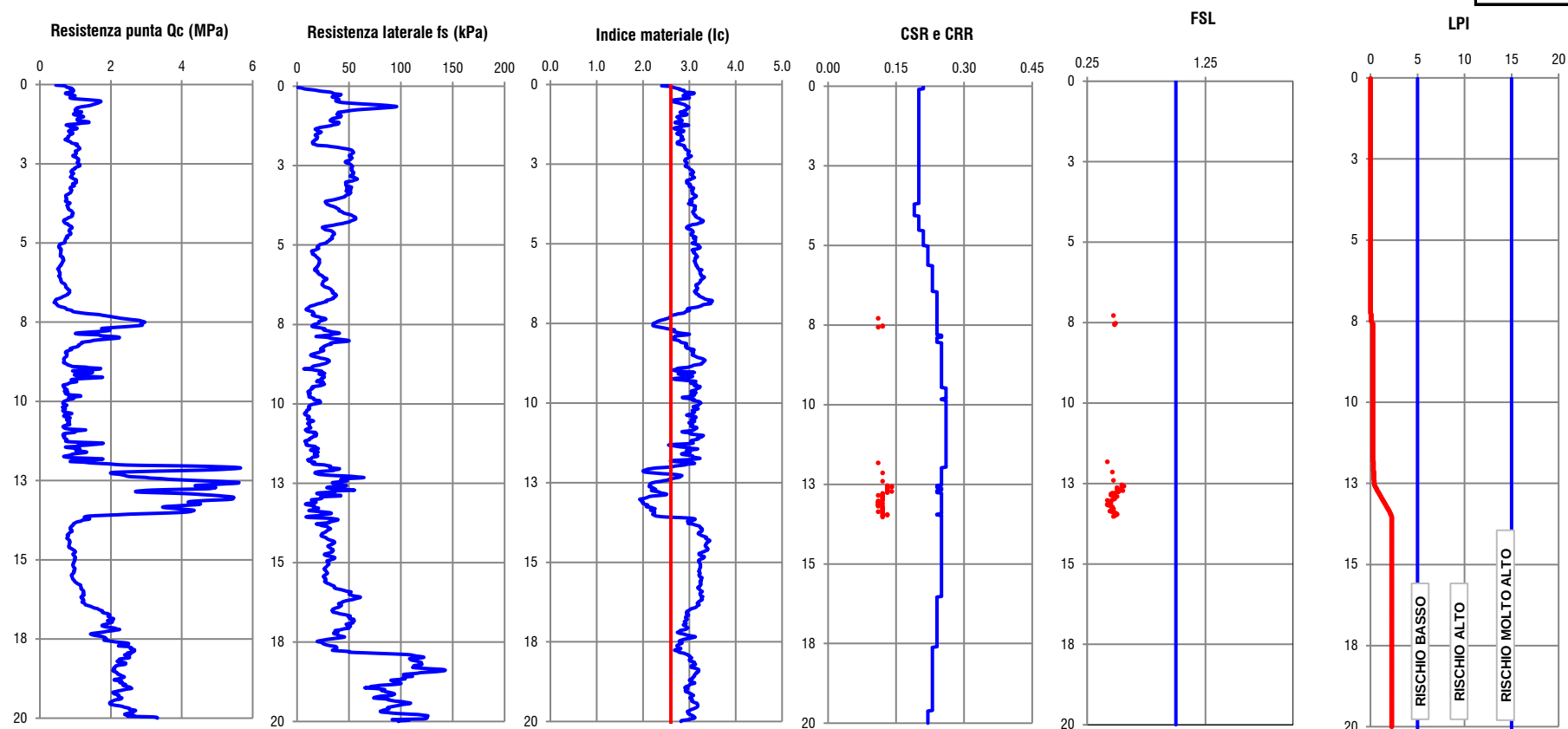
Analisi liquefazione “Free-Field” CPTU11

ANALISI DIMENSIONAMENTO CONSOLIDAMENTO CON COLONNE GHIAIA

NOME PROVA **CPTU11** Profondità massima (m) **20.00** PGA (g) **0.34** F_s riferimento **1.00** Metodologia analisi liquefazione
PASSO (m) **0.02** Dw (m) **4.00** M **6.14** Idriss & Boulanger 2014

VERIFICA DELLA LIQUEFAZIONE IN CONDIZIONI *FREE-FIELD*

LPI
2.20



ANALISI DELLA LIQUEFAZIONE IN CONDIZIONI FREE-FIELD

Dati di input					Azione sismica di riferimento (CSR)							Resistenza ciclica mobilitata (CRR)						Indice di potenziale liquefazione (LPI)						
z	q _c	F _s	γ	FC	z	σ _v	σ' _v	rd	CSR _{7.5}	MSF	CSR _{eq}	z	q _c	I _c	K _c	Liq?	CRR _{7.5}	z	dz	FSL	F _L	w (z)	LPI	Σ LPI
[m]	[MPa]	[kPa]	[kN/m³]	[%]	[m]	[MPa]	[MPa]	[-]	[-]	[-]	[-]	[m]	[MPa]	[-]	[-]	[-]	[-]	[m]	[m]	[-]	[-]	[-]	[-]	[-]
0.02	0.45	0.24	19.00	0.45	0.02	0.27	0.27	1.00	0.22	1.07	0.21	0.02	0.45	2.59	2.59	FALSO	4.00	0.02	0.02	2.00	0.00	9.99	0.00	0.00
0.04	0.71	0.81	19.00	0.71	0.04	0.55	0.55	1.00	0.22	1.07	0.21	0.04	0.71	2.40	2.40	FALSO	4.00	0.04	0.02	2.00	0.00	9.98	0.00	0.00
0.06	0.73	4.81	19.00	0.73	0.06	0.84	0.84	1.00	0.22	1.08	0.21	0.06	0.73	2.60	2.60	FALSO	4.00	0.06	0.02	2.00	0.00	9.97	0.00	0.00
0.08	0.75	6.58	19.00	0.75	0.08	1.14	1.14	1.00	0.22	1.08	0.21	0.08	0.75	2.63	2.63	FALSO	4.00	0.08	0.02	2.00	0.00	9.96	0.00	0.00
0.10	0.82	10.66	19.00	0.82	0.10	1.46	1.46	1.00	0.22	1.08	0.20	0.10	0.82	2.68	2.68	FALSO	4.00	0.10	0.02	2.00	0.00	9.95	0.00	0.00
0.12	0.90	16.75	19.00	0.90	0.12	1.78	1.78	1.00	0.22	1.08	0.20	0.12	0.90	2.73	2.73	FALSO	4.00	0.12	0.02	2.00	0.00	9.94	0.00	0.00
0.14	0.85	20.00	19.00	0.86	0.14	2.11	2.11	1.00	0.22	1.08	0.20	0.14	0.85	2.80	2.80	FALSO	4.00	0.14	0.02	2.00	0.00	9.93	0.00	0.00
0.16	0.94	23.97	19.00	0.95	0.16	2.44	2.44	1.00	0.22	1.08	0.20	0.16	0.94	2.79	2.79	FALSO	4.00	0.16	0.02	2.00	0.00	9.92	0.00	0.00
0.18	0.90	30.25	19.00	0.90	0.18	2.78	2.78	1.00	0.22	1.08	0.20	0.18	0.90	2.88	2.88	FALSO	4.00	0.18	0.02	2.00	0.00	9.91	0.00	0.00
0.20	0.95	33.60	19.00	0.96	0.20	3.12	3.12	1.00	0.22	1.09	0.20	0.20	0.95	2.87	2.87	FALSO	4.00	0.20	0.02	2.00	0.00	9.90	0.00	0.00
0.22	0.93	34.51	19.00	0.93	0.22	3.46	3.46	1.00	0.22	1.09	0.20	0.22	0.93	2.90	2.90	FALSO	4.00	0.22	0.02	2.00	0.00	9.89	0.00	0.00
0.24	0.90	36.40	19.00	0.90	0.24	3.80	3.80	1.00	0.22	1.08	0.20	0.24	0.90	2.93	2.93	FALSO	4.00	0.24	0.02	2.00	0.00	9.88	0.00	0.00
0.26	0.74	42.25	19.00	0.73	0.26	4.14	4.14	1.00	0.22	1.08	0.20	0.26	0.74	3.10	3.10	FALSO	4.00	0.26	0.02	2.00	0.00	9.87	0.00	0.00
0.28	0.72	41.80	19.00	0.72	0.28	4.49	4.49	1.00	0.22	1.08	0.20	0.28	0.72	3.10	3.10	FALSO	4.00	0.28	0.02	2.00	0.00	9.86	0.00	0.00
0.30	0.76	39.63	19.00	0.75	0.30	4.83	4.83	1.00	0.22	1.08	0.20	0.30	0.76	3.06	3.06	FALSO	4.00	0.30	0.02	2.00	0.00	9.85	0.00	0.00
0.32	0.88	34.44	19.00	0.88	0.32	5.17	5.17	1.00	0.22	1.08	0.20	0.32	0.88	2.93	2.93	FALSO	4.00	0.32	0.02	2.00	0.00	9.84	0.00	0.00
0.34	0.96	33.81	19.00	0.96	0.34	5.51	5.51	1.00	0.22	1.09	0.20	0.34	0.96	2.87	2.87	FALSO	4.00	0.34	0.02	2.00	0.00	9.83	0.00	0.00
0.36	0.99	36.18	19.00	0.98	0.36	5.85	5.85	1.00	0.22	1.09	0.20	0.36	0.99	2.87	2.87	FALSO	4.00	0.36	0.02	2.00	0.00	9.82	0.00	0.00
0.38	0.91	37.78	19.00	0.91	0.38	6.19	6.19	1.00	0.22	1.09	0.20	0.38	0.91	2.93	2.93	FALSO	4.00	0.38	0.02	2.00	0.00	9.81	0.00	0.00
0.40	0.86	39.10	19.00	0.86	0.40	6.54	6.54	1.00	0.22	1.08	0.20	0.40	0.86	2.98	2.98	FALSO	4.00	0.40	0.02	2.00	0.00	9.80	0.00	0.00
0.42	0.85	40.39	19.00	0.84	0.42	6.88	6.88	1.00	0.22	1.08	0.20	0.42	0.85	3.00	3.00	FALSO	4.00	0.42	0.02	2.00	0.00	9.79	0.00	0.00
0.44	0.91	39.79	19.00	0.90	0.44	7.22	7.22	1.00	0.22	1.09	0.20	0.44	0.91	2.95	2.95	FALSO	4.00	0.44	0.02	2.00	0.00	9.78	0.00	0.00
0.46	1.10	37.25	19.00	1.09	0.46	7.57	7.57	1.00	0.22	1.09	0.20	0.46	1.10	2.82	2.82	FALSO	4.00	0.46	0.02	2.00	0.00	9.77	0.00	0.00
0.48	1.36	38.59	19.00	1.36	0.48	7.91	7.91	1.00	0.22	1.10	0.20	0.48	1.36	2.69	2.69	FALSO	4.00	0.48	0.02	2.00	0.00	9.76	0.00	0.00
0.50	1.57	40.85	19.00	1.57	0.50	8.26	8.26	1.00	0.22	1.11	0.20	0.50	1.57	2.62	2.62	FALSO	4.00	0.50	0.02	2.00	0.00	9.75	0.00	0.00
0.52	1.71	45.22	19.00	1.70	0.52	8.61	8.61	1.00	0.22	1.11	0.20	0.52	1.71	2.60	2.60	FALSO	4.00	0.52	0.02	2.00	0.00	9.74	0.00	0.00
0.54	1.72	54.22	19.00	1.71	0.54	8.97	8.97	1.00	0.22	1.11	0.20	0.54	1.72	2.65	2.65	FALSO	4.00	0.54	0.02	2.00	0.00	9.73	0.00	0.00
0.56	1.68	63.73	19.00	1.67	0.56	9.33	9.33	1.00	0.22	1.11	0.20	0.56	1.68	2.71	2.71	FALSO	4.00	0.56	0.02	2.00	0.00	9.72	0.00	0.00
0.58	1.65	75.09	19.00	1.64	0.58	9.69	9.69	1.00	0.22	1.11	0.20	0.58	1.65	2.77	2.77	FALSO	4.00	0.58	0.02	2.00	0.00	9.71	0.00	0.00
0.60	1.59	84.40	19.00	1.59	0.60	10.06	10.06	1.00	0.22	1.11	0.20	0.60	1.59	2.82	2.82	FALSO	4.00	0.60	0.02	2.00	0.00	9.70	0.00	0.00
0.62	1.54	91.11	19.00	1.53	0.62	10.42	10.42	1.00	0.22	1.11	0.20	0.62	1.54	2.87	2.87	FALSO	4.00	0.62	0.02	2.00	0.00	9.69	0.00	0.00
0.64	1.47	96.03	19.00	1.47	0.64	10.79	10.79	1.00	0.22	1.11	0.20	0.64	1.47	2.91	2.91	FALSO	4.00	0.64	0.02	2.00	0.00	9.68	0.00	0.00
0.66	1.42	93.03	19.00	1.41	0.66	11.16	11.16	1.00	0.22	1.10	0.20	0.66	1.42	2.92	2.92	FALSO	4.00	0.66	0.02	2.00	0.00	9.67	0.00	0.00
0.68	1.31	85.09	19.00	1.30	0.68	11.52	11.52	1.00	0.22	1.10	0.20	0.68	1.31	2.95	2.95	FALSO	4.00	0.68	0.02	2.00	0.00	9.66	0.00	0.00
0.70	1.18	76.73	19.00	1.17	0.70	11.88	11.88	1.00	0.22	1.09	0.20	0.70	1.18	2.98	2.98	FALSO	4.00	0.70	0.02	2.00	0.00	9.65	0.00	0.00
0.72	1.11	67.62	19.00	1.10	0.72	12.24	12.24	1.00	0.22	1.09	0.20	0.72	1.11	2.99	2.99	FALSO	4.00	0.72	0.02	2.00	0.00	9.64	0.00	0.00
0.74	1.04	58.79	19.00	1.04	0.74	12.59	12.59	1.00	0.22	1.09	0.20	0.74	1.04	2.98	2.98	FALSO	4.00	0.74	0.02	2.00	0.00	9.63	0.00	0.00
0.76	1.05	53.00	19.00	1.04	0.76	12.95	12.95	1.00	0.22	1.09	0.20	0.76	1.05	2.95	2.95	FALSO	4.00	0.76	0.02	2.00	0.00	9.62	0.00	0.00
0.78	1.02	48.86	19.00	1.02	0.78	13.30	13.30	1.00	0.22	1.09	0.20	0.78	1.02	2.94	2.94	FALSO	4.00	0.78	0.02	2.00	0.00	9.61	0.00	0.00
0.80	0.99	44.89	19.00	0.99	0.80	13.64	13.64	1.00	0.22	1.09	0.20	0.80	0.99	2.93	2.93	FALSO	4.00	0.80	0.02	2.00	0.00	9.60	0.00	0.00
0.82	1.01	40.18	19.00	1.01	0.82	13.99	13.99	1.00	0.22	1.09	0.20	0.82	1.01	2.89	2.89	FALSO	4.00	0.82	0.02	2.00	0.00	9.59	0.00	0.00
0.84	1.01	39.38	19.00	1.01	0.84	14.33	14.33	1.00	0.22	1.09	0.20	0.84	1.01	2.89	2.89	FALSO	4.00	0.84	0.02	2.00	0.00	9.58	0.00	0.00
0.86	1.17	41.37	19.00	1.16	0.86	14.68	14.68	1.00	0.22	1.09	0.20	0.86	1.17	2.81	2.81	FALSO	4.00	0.86	0.02	2.00	0.00	9.57	0.00	0.00
0.88	1.17	38.42	19.00	1.16	0.88	15.02	15.02	1.00	0.22	1.09	0.20	0.88	1.17	2.80	2.80	FALSO	4.00	0.88	0.02	2.00	0.00	9.56	0.00	0.00
0.90	1.06	39.28	19.00	1.05	0.90	15.37	15.37	1.00	0.22	1.09	0.20	0.90	1.06	2.86	2.86	FALSO	4.00	0.90	0.02	2.00	0.00	9.55	0.00	0.00
0.92	0.96	42.37	19.00	0.95	0.92	15.71	15.71	1.00	0.22	1.09	0.20	0.92	0.96	2.94	2.94	FALSO	4.00	0.92	0.02	2.00	0.00	9.54	0.00	0.00
0.94	0.95	42.28	19.00	0.94	0.94	16.06	16.06	1.00	0.22	1.09	0.20	0.94	0.95	2.95	2.95	FALSO	4.00	0.94	0.02	2.00	0.00	9.53	0.00	0.00
0.96	0.99	42.17	19.00	0.99	0.96	16.40	16.40	1.00	0.22	1.09	0.20	0.96	0.99	2.92	2.92	FALSO	4.00	0.96	0.02	2.00	0.00	9.52	0.00	0.00
0.98	1.12	40.42	19.00	1.13	0.98	16.75	16.75	0.99	0.22	1.09	0.20	0.98	1.12	2.83	2.83	FALSO	4.00	0.98	0.02	2.00	0.00	9.51	0.00	0.00
1.00	1.21	36.94	19.00	1.21	1.00	17.09	17.09	0.99	0.22	1.09	0.20	1.00	1.21	2.76	2.76	FALSO	4.00	1.00	0.02	2.00	0.00	9.50	0.00	0.00
1.02	1.23	33.97	19.00	1.23	1.02	17.44	17.44	0.99	0.22	1.09	0.20	1.02	1.23	2.73	2.73	FALSO	4.00	1.02	0.0					

1.74	0.71	15.37	19.00	0.73	1.74	29.39	29.39	0.98	0.22	1.08	0.20	1.74	0.71	2.86	2.86	FALSO	4.00	1.74	0.02	2.00	0.00	9.13	0.00	0.00
1.76	0.76	14.89	19.00	0.78	1.76	29.71	29.71	0.98	0.22	1.08	0.20	1.76	0.76	2.81	2.81	FALSO	4.00	1.76	0.02	2.00	0.00	9.12	0.00	0.00
1.78	0.79	15.09	19.00	0.81	1.78	30.03	30.03	0.98	0.22	1.08	0.20	1.78	0.79	2.79	2.79	FALSO	4.00	1.78	0.02	2.00	0.00	9.11	0.00	0.00
1.80	0.85	15.04	19.00	0.87	1.80	30.35	30.35	0.98	0.22	1.08	0.20	1.80	0.85	2.75	2.75	FALSO	4.00	1.80	0.02	2.00	0.00	9.10	0.00	0.00
1.82	0.87	15.67	19.00	0.89	1.82	30.67	30.67	0.98	0.22	1.08	0.20	1.82	0.87	2.74	2.74	FALSO	4.00	1.82	0.02	2.00	0.00	9.09	0.00	0.00
1.84	0.89	18.13	19.00	0.91	1.84	31.00	31.00	0.98	0.22	1.08	0.20	1.84	0.89	2.76	2.76	FALSO	4.00	1.84	0.02	2.00	0.00	9.08	0.00	0.00
1.86	0.94	19.25	19.00	0.96	1.86	31.33	31.33	0.98	0.22	1.08	0.20	1.86	0.94	2.74	2.74	FALSO	4.00	1.86	0.02	2.00	0.00	9.07	0.00	0.00
1.88	1.05	29.04	19.00	1.05	1.88	31.66	31.66	0.98	0.22	1.09	0.20	1.88	1.05	2.79	2.79	FALSO	4.00	1.88	0.02	2.00	0.00	9.06	0.00	0.00
1.90	1.03	32.49	19.00	1.02	1.90	32.00	32.00	0.98	0.22	1.09	0.20	1.90	1.03	2.84	2.84	FALSO	4.00	1.90	0.02	2.00	0.00	9.05	0.00	0.00
1.92	1.02	38.06	19.00	1.01	1.92	32.35	32.35	0.98	0.22	1.09	0.20	1.92	1.02	2.89	2.89	FALSO	4.00	1.92	0.02	2.00	0.00	9.04	0.00	0.00
1.94	1.07	41.60	19.00	1.07	1.94	32.69	32.69	0.98	0.22	1.09	0.20	1.94	1.07	2.88	2.88	FALSO	4.00	1.94	0.02	2.00	0.00	9.03	0.00	0.00
1.96	1.08	45.00	19.00	1.07	1.96	33.04	33.04	0.98	0.22	1.09	0.20	1.96	1.08	2.90	2.90	FALSO	4.00	1.96	0.02	2.00	0.00	9.02	0.00	0.00
1.98	1.10	49.08	19.00	1.10	1.98	33.39	33.39	0.98	0.22	1.09	0.20	1.98	1.10	2.90	2.90	FALSO	4.00	1.98	0.02	2.00	0.00	9.01	0.00	0.00
2.00	1.11	51.48	19.00	1.11	2.00	33.74	33.74	0.98	0.22	1.09	0.20	2.00	1.11	2.91	2.91	FALSO	4.00	2.00	0.02	2.00	0.00	9.00	0.00	0.00
2.02	1.13	52.97	19.00	1.12	2.02	34.09	34.09	0.98	0.22	1.09	0.20	2.02	1.13	2.91	2.91	FALSO	4.00	2.02	0.02	2.00	0.00	8.99	0.00	0.00
2.04	1.10	53.48	19.00	1.09	2.04	34.45	34.45	0.98	0.22	1.09	0.20	2.04	1.10	2.93	2.93	FALSO	4.00	2.04	0.02	2.00	0.00	8.98	0.00	0.00
2.06	1.08	53.99	19.00	1.07	2.06	34.80	34.80	0.98	0.22	1.09	0.20	2.06	1.08	2.95	2.95	FALSO	4.00	2.06	0.02	2.00	0.00	8.97	0.00	0.00
2.08	1.05	54.39	19.00	1.05	2.08	35.15	35.15	0.98	0.22	1.09	0.20	2.08	1.05	2.97	2.97	FALSO	4.00	2.08	0.02	2.00	0.00	8.96	0.00	0.00
2.10	1.00	54.30	19.00	0.99	2.10	35.50	35.50	0.98	0.22	1.09	0.20	2.10	1.00	3.00	3.00	FALSO	4.00	2.10	0.02	2.00	0.00	8.95	0.00	0.00
2.12	1.01	52.96	19.00	1.01	2.12	35.85	35.85	0.98	0.22	1.09	0.20	2.12	1.01	2.98	2.98	FALSO	4.00	2.12	0.02	2.00	0.00	8.94	0.00	0.00
2.14	1.01	52.33	19.00	1.00	2.14	36.20	36.20	0.98	0.22	1.09	0.20	2.14	1.01	2.98	2.98	FALSO	4.00	2.14	0.02	2.00	0.00	8.93	0.00	0.00
2.16	1.03	51.85	19.00	1.03	2.16	36.55	36.55	0.98	0.22	1.09	0.20	2.16	1.03	2.97	2.97	FALSO	4.00	2.16	0.02	2.00	0.00	8.92	0.00	0.00
2.18	1.02	50.36	19.00	1.01	2.18	36.90	36.90	0.98	0.22	1.09	0.20	2.18	1.02	2.97	2.97	FALSO	4.00	2.18	0.02	2.00	0.00	8.91	0.00	0.00
2.20	1.01	50.53	19.00	1.01	2.20	37.25	37.25	0.98	0.22	1.09	0.20	2.20	1.01	2.97	2.97	FALSO	4.00	2.20	0.02	2.00	0.00	8.90	0.00	0.00
2.22	0.98	50.84	19.00	0.98	2.22	37.60	37.60	0.98	0.22	1.09	0.20	2.22	0.98	2.99	2.99	FALSO	4.00	2.22	0.02	2.00	0.00	8.89	0.00	0.00
2.24	0.93	52.41	19.00	0.92	2.24	37.95	37.95	0.97	0.22	1.09	0.20	2.24	0.93	3.04	3.04	FALSO	4.00	2.24	0.02	2.00	0.00	8.88	0.00	0.00
2.26	0.94	53.13	19.00	0.94	2.26	38.31	38.31	0.97	0.22	1.09	0.20	2.26	0.94	3.03	3.03	FALSO	4.00	2.26	0.02	2.00	0.00	8.87	0.00	0.00
2.28	0.97	51.67	19.00	0.97	2.28	38.66	38.66	0.97	0.22	1.09	0.20	2.28	0.97	3.00	3.00	FALSO	4.00	2.28	0.02	2.00	0.00	8.86	0.00	0.00
2.30	1.03	51.59	19.00	1.02	2.30	39.01	39.01	0.97	0.22	1.09	0.20	2.30	1.03	2.97	2.97	FALSO	4.00	2.30	0.02	2.00	0.00	8.85	0.00	0.00
2.32	1.04	51.01	19.00	1.03	2.32	39.36	39.36	0.97	0.22	1.09	0.20	2.32	1.04	2.96	2.96	FALSO	4.00	2.32	0.02	2.00	0.00	8.84	0.00	0.00
2.34	1.08	49.39	19.00	1.08	2.34	39.71	39.71	0.97	0.22	1.09	0.20	2.34	1.08	2.92	2.92	FALSO	4.00	2.34	0.02	2.00	0.00	8.83	0.00	0.00
2.36	1.09	47.36	19.00	1.08	2.36	40.06	40.06	0.97	0.21	1.09	0.20	2.36	1.09	2.91	2.91	FALSO	4.00	2.36	0.02	2.00	0.00	8.82	0.00	0.00
2.38	1.07	46.47	19.00	1.07	2.38	40.40	40.40	0.97	0.21	1.09	0.20	2.38	1.07	2.91	2.91	FALSO	4.00	2.38	0.02	2.00	0.00	8.81	0.00	0.00
2.40	1.09	46.81	19.00	1.09	2.40	40.75	40.75	0.97	0.21	1.09	0.20	2.40	1.09	2.90	2.90	FALSO	4.00	2.40	0.02	2.00	0.00	8.80	0.00	0.00
2.42	1.08	48.21	19.00	1.07	2.42	41.10	41.10	0.97	0.21	1.09	0.20	2.42	1.08	2.92	2.92	FALSO	4.00	2.42	0.02	2.00	0.00	8.79	0.00	0.00
2.44	1.08	50.56	19.00	1.07	2.44	41.45	41.45	0.97	0.21	1.09	0.20	2.44	1.08	2.93	2.93	FALSO	4.00	2.44	0.02	2.00	0.00	8.78	0.00	0.00
2.46	1.05	51.27	19.00	1.05	2.46	41.80	41.80	0.97	0.21	1.09	0.20	2.46	1.05	2.95	2.95	FALSO	4.00	2.46	0.02	2.00	0.00	8.77	0.00	0.00
2.48	1.07	52.24	19.00	1.07	2.48	42.16	42.16	0.97	0.21	1.09	0.20	2.48	1.07	2.94	2.94	FALSO	4.00	2.48	0.02	2.00	0.00	8.76	0.00	0.00
2.50	1.08	52.70	19.00	1.08	2.50	42.51	42.51	0.97	0.21	1.09	0.20	2.50	1.08	2.94	2.94	FALSO	4.00	2.50	0.02	2.00	0.00	8.75	0.00	0.00
2.52	1.12	53.41	19.00	1.11	2.52	42.86	42.86	0.97	0.21	1.09	0.20	2.52	1.12	2.93	2.93	FALSO	4.00	2.52	0.02	2.00	0.00	8.74	0.00	0.00
2.54	1.12	53.30	19.00	1.12	2.54	43.21	43.21	0.97	0.21	1.09	0.20	2.54	1.12	2.92	2.92	FALSO	4.00	2.54	0.02	2.00	0.00	8.73	0.00	0.00
2.56	1.13	52.47	19.00	1.13	2.56	43.56	43.56	0.97	0.21	1.09	0.20	2.56	1.13	2.91	2.91	FALSO	4.00	2.56	0.02	2.00	0.00	8.72	0.00	0.00
2.58	1.10	52.16	19.00	1.10	2.58	43.91	43.91	0.97	0.21	1.09	0.20	2.58	1.10	2.93	2.93	FALSO	4.00	2.58	0.02	2.00	0.00	8.71	0.00	0.00
2.60	1.04	52.50	19.00	1.03	2.60	44.27	44.27	0.97	0.21	1.09	0.20	2.60	1.04	2.97	2.97	FALSO	4.00	2.60	0.02	2.00	0.00	8.70	0.00	0.00
2.62	1.01	53.10	19.00	1.01	2.62	44.62	44.62	0.97	0.21	1.09	0.20	2.62	1.01	2.99	2.99	FALSO	4.00	2.62	0.02	2.00	0.00	8.69	0.00	0.00
2.64	0.98	52.33	19.00	0.98	2.64	44.97	44.97	0.97	0.21	1.09	0.20	2.64	0.98	3.00	3.00	FALSO	4.00	2.64	0.02	2.00	0.00	8.68	0.00	0.00
2.66	0.99	53.04	19.00	0.98	2.66	45.32	45.32	0.97	0.21	1.09	0.20	2.66	0.99	3.01	3.01	FALSO	4.00	2.66	0.02	2.00	0.00	8.67	0.00	0.00
2.68	0.94	53.13	19.00	0.94	2.68	45.67	45.67	0.97	0.21	1.08	0.20	2.68	0.94	3.04	3.04	FALSO	4.00	2.68	0.02	2.00	0.00	8.66	0.00	0.00
2.70	0.91	54.16	19.00	0.91	2.70	46.02	46.02	0.97	0.21	1.08	0.20	2.70	0.91	3.06	3.06	FALSO	4.00	2.70	0.02	2.00	0.00	8.65	0.00	0.00
2.72	0.90	54.59	19.00	0.90	2.72	46.37	46.37	0.97	0.21	1.08	0.20	2.72	0.90	3.07	3.07	FALSO	4.00	2.72	0.02	2.00	0.00	8.64	0.00	0.00
2.74	0.88	53.53	19.00	0.88	2.74	46.72	46.72	0.97	0.21	1.08	0.20	2.74	0.88	3.08	3.08	FALSO	4.00	2.74	0.02	2.00	0.00	8.63	0.00	0.00
2.76	0.88	54.05	19.00	0.87	2.76	47.07	47.07	0.97	0.21	1.08	0.20	2.76	0.88	3.09	3.09	FALSO	4.00	2.76	0.02	2.00	0.00	8.62	0.00	0.00
2.78	0.92	54.07	19.00	0.92	2.78	47.42	47.42	0.97	0.21	1.08	0.20	2.78	0.92	3.06	3.06	FALSO	4.00	2.78	0.02	2.00	0.00	8.61	0.00	0.00
2.80	0.95	52.50	19.00	0.94	2.80	47.77	47.77	0.97	0.21	1.08	0.20													

3.60	0.74	31.02	19.00	0.76	3.60	61.69	61.69	0.95	0.21	1.08	0.20	3.60	0.74	3.05	3.05	FALSO	4.00	3.60	0.02	2.00	0.00	8.20	0.00	0.00
3.62	0.75	27.86	19.00	0.77	3.62	62.03	62.03	0.95	0.21	1.08	0.20	3.62	0.75	3.02	3.02	FALSO	4.00	3.62	0.02	2.00	0.00	8.19	0.00	0.00
3.64	0.76	27.14	19.00	0.77	3.64	62.36	62.36	0.95	0.21	1.08	0.20	3.64	0.76	3.01	3.01	FALSO	4.00	3.64	0.02	2.00	0.00	8.18	0.00	0.00
3.66	0.75	27.54	19.00	0.77	3.66	62.70	62.70	0.95	0.21	1.08	0.20	3.66	0.75	3.02	3.02	FALSO	4.00	3.66	0.02	2.00	0.00	8.17	0.00	0.00
3.68	0.72	27.91	19.00	0.74	3.68	63.03	63.03	0.95	0.21	1.08	0.20	3.68	0.72	3.06	3.06	FALSO	4.00	3.68	0.02	2.00	0.00	8.16	0.00	0.00
3.70	0.75	28.43	19.00	0.76	3.70	63.36	63.36	0.95	0.21	1.08	0.19	3.70	0.75	3.04	3.04	FALSO	4.00	3.70	0.02	2.00	0.00	8.15	0.00	0.00
3.72	0.80	29.20	19.00	0.81	3.72	63.70	63.70	0.95	0.21	1.08	0.19	3.72	0.80	3.01	3.01	FALSO	4.00	3.72	0.02	2.00	0.00	8.14	0.00	0.00
3.74	0.85	30.80	19.00	0.86	3.74	64.04	64.04	0.95	0.21	1.08	0.19	3.74	0.85	2.98	2.98	FALSO	4.00	3.74	0.02	2.00	0.00	8.13	0.00	0.00
3.76	0.83	31.97	19.00	0.84	3.76	64.38	64.38	0.95	0.21	1.08	0.19	3.76	0.83	3.01	3.01	FALSO	4.00	3.76	0.02	2.00	0.00	8.12	0.00	0.00
3.78	0.81	34.48	19.00	0.81	3.78	64.72	64.72	0.95	0.21	1.08	0.19	3.78	0.81	3.06	3.06	FALSO	4.00	3.78	0.02	2.00	0.00	8.11	0.00	0.00
3.80	0.78	35.91	19.00	0.78	3.80	65.06	65.06	0.95	0.21	1.08	0.19	3.80	0.78	3.10	3.10	FALSO	4.00	3.80	0.02	2.00	0.00	8.10	0.00	0.00
3.82	0.76	37.65	19.00	0.76	3.82	65.40	65.40	0.95	0.21	1.08	0.19	3.82	0.76	3.13	3.13	FALSO	4.00	3.82	0.02	2.00	0.00	8.09	0.00	0.00
3.84	0.79	37.88	19.00	0.79	3.84	65.74	65.74	0.95	0.21	1.08	0.19	3.84	0.79	3.11	3.11	FALSO	4.00	3.84	0.02	2.00	0.00	8.08	0.00	0.00
3.86	0.79	39.56	19.00	0.79	3.86	66.08	66.08	0.95	0.21	1.08	0.19	3.86	0.79	3.12	3.12	FALSO	4.00	3.86	0.02	2.00	0.00	8.07	0.00	0.00
3.88	0.79	40.53	19.00	0.80	3.88	66.42	66.42	0.94	0.21	1.08	0.19	3.88	0.79	3.12	3.12	FALSO	4.00	3.88	0.02	2.00	0.00	8.06	0.00	0.00
3.90	0.79	40.65	19.00	0.80	3.90	66.77	66.77	0.94	0.21	1.08	0.19	3.90	0.79	3.12	3.12	FALSO	4.00	3.90	0.02	2.00	0.00	8.05	0.00	0.00
3.92	0.81	40.42	19.00	0.83	3.92	67.11	67.11	0.94	0.21	1.08	0.19	3.92	0.81	3.10	3.10	FALSO	4.00	3.92	0.02	2.00	0.00	8.04	0.00	0.00
3.94	0.81	42.16	19.00	0.82	3.94	67.45	67.45	0.94	0.21	1.08	0.19	3.94	0.81	3.12	3.12	FALSO	4.00	3.94	0.02	2.00	0.00	8.03	0.00	0.00
3.96	0.84	43.73	19.00	0.86	3.96	67.80	67.80	0.94	0.21	1.08	0.19	3.96	0.84	3.10	3.10	FALSO	4.00	3.96	0.02	2.00	0.00	8.02	0.00	0.00
3.98	0.88	44.13	19.00	0.90	3.98	68.15	68.15	0.94	0.21	1.08	0.19	3.98	0.88	3.08	3.08	FALSO	4.00	3.98	0.02	2.00	0.00	8.01	0.00	0.00
4.00	0.90	45.70	9.00	0.92	4.00	68.49	68.49	0.94	0.21	1.08	0.19	4.00	0.90	3.07	3.07	FALSO	4.00	4.00	0.02	2.00	0.00	8.00	0.00	0.00
4.02	0.91	48.04	9.00	0.93	4.02	68.84	68.65	0.94	0.21	1.08	0.19	4.02	0.91	3.08	3.08	FALSO	4.00	4.02	0.02	2.00	0.00	7.99	0.00	0.00
4.04	0.92	50.67	9.00	0.94	4.04	69.19	68.80	0.94	0.21	1.08	0.19	4.04	0.92	3.09	3.09	FALSO	4.00	4.04	0.02	2.00	0.00	7.98	0.00	0.00
4.06	0.94	52.38	9.00	0.96	4.06	69.54	68.95	0.94	0.21	1.08	0.19	4.06	0.94	3.09	3.09	FALSO	4.00	4.06	0.02	2.00	0.00	7.97	0.00	0.00
4.08	0.92	53.52	9.00	0.94	4.08	69.89	69.11	0.94	0.21	1.08	0.20	4.08	0.92	3.11	3.11	FALSO	4.00	4.08	0.02	2.00	0.00	7.96	0.00	0.00
4.10	0.91	54.35	9.00	0.93	4.10	70.24	69.26	0.94	0.21	1.08	0.20	4.10	0.91	3.12	3.12	FALSO	4.00	4.10	0.02	2.00	0.00	7.95	0.00	0.00
4.12	0.90	55.98	9.00	0.92	4.12	70.60	69.42	0.94	0.21	1.08	0.20	4.12	0.90	3.14	3.14	FALSO	4.00	4.12	0.02	2.00	0.00	7.94	0.00	0.00
4.14	0.92	56.46	9.00	0.93	4.14	70.95	69.57	0.94	0.21	1.08	0.20	4.14	0.92	3.13	3.13	FALSO	4.00	4.14	0.02	2.00	0.00	7.93	0.00	0.00
4.16	0.90	56.49	9.00	0.91	4.16	71.30	69.73	0.94	0.21	1.08	0.20	4.16	0.90	3.15	3.15	FALSO	4.00	4.16	0.02	2.00	0.00	7.92	0.00	0.00
4.18	0.87	56.60	9.00	0.88	4.18	71.65	69.89	0.94	0.21	1.08	0.20	4.18	0.87	3.17	3.17	FALSO	4.00	4.18	0.02	2.00	0.00	7.91	0.00	0.00
4.20	0.81	55.43	9.00	0.82	4.20	72.00	70.04	0.94	0.21	1.08	0.20	4.20	0.81	3.21	3.21	FALSO	4.00	4.20	0.02	2.00	0.00	7.90	0.00	0.00
4.22	0.78	53.77	9.00	0.79	4.22	72.35	70.19	0.94	0.21	1.08	0.20	4.22	0.78	3.23	3.23	FALSO	4.00	4.22	0.02	2.00	0.00	7.89	0.00	0.00
4.24	0.76	51.91	9.00	0.77	4.24	72.70	70.35	0.94	0.21	1.07	0.20	4.24	0.76	3.24	3.24	FALSO	4.00	4.24	0.02	2.00	0.00	7.88	0.00	0.00
4.26	0.71	51.14	9.00	0.72	4.26	73.05	70.50	0.94	0.21	1.07	0.20	4.26	0.71	3.28	3.28	FALSO	4.00	4.26	0.02	2.00	0.00	7.87	0.00	0.00
4.28	0.68	49.17	9.00	0.69	4.28	73.39	70.65	0.94	0.22	1.07	0.20	4.28	0.68	3.30	3.30	FALSO	4.00	4.28	0.02	2.00	0.00	7.86	0.00	0.00
4.30	0.67	46.28	9.00	0.69	4.30	73.74	70.80	0.94	0.22	1.07	0.20	4.30	0.67	3.29	3.29	FALSO	4.00	4.30	0.02	2.00	0.00	7.85	0.00	0.00
4.32	0.67	44.14	9.00	0.68	4.32	74.08	70.94	0.94	0.22	1.07	0.20	4.32	0.67	3.28	3.28	FALSO	4.00	4.32	0.02	2.00	0.00	7.84	0.00	0.00
4.34	0.69	40.31	9.00	0.70	4.34	74.43	71.09	0.94	0.22	1.07	0.20	4.34	0.69	3.24	3.24	FALSO	4.00	4.34	0.02	2.00	0.00	7.83	0.00	0.00
4.36	0.70	37.20	9.00	0.73	4.36	74.77	71.23	0.94	0.22	1.07	0.20	4.36	0.70	3.19	3.19	FALSO	4.00	4.36	0.02	2.00	0.00	7.82	0.00	0.00
4.38	0.72	34.37	9.00	0.75	4.38	75.10	71.38	0.93	0.22	1.07	0.20	4.38	0.72	3.16	3.16	FALSO	4.00	4.38	0.02	2.00	0.00	7.81	0.00	0.00
4.40	0.79	30.31	9.00	0.81	4.40	75.44	71.52	0.93	0.22	1.08	0.20	4.40	0.79	3.06	3.06	FALSO	4.00	4.40	0.02	2.00	0.00	7.80	0.00	0.00
4.42	0.79	26.60	9.00	0.82	4.42	75.78	71.66	0.93	0.22	1.08	0.20	4.42	0.79	3.03	3.03	FALSO	4.00	4.42	0.02	2.00	0.00	7.79	0.00	0.00
4.44	0.82	24.46	9.00	0.85	4.44	76.11	71.79	0.93	0.22	1.08	0.20	4.44	0.82	2.98	2.98	FALSO	4.00	4.44	0.02	2.00	0.00	7.78	0.00	0.00
4.46	0.85	24.68	9.00	0.89	4.46	76.44	71.93	0.93	0.22	1.08	0.20	4.46	0.85	2.96	2.96	FALSO	4.00	4.46	0.02	2.00	0.00	7.77	0.00	0.00
4.48	0.89	25.60	9.00	0.92	4.48	76.77	72.06	0.93	0.22	1.08	0.20	4.48	0.89	2.94	2.94	FALSO	4.00	4.48	0.02	2.00	0.00	7.76	0.00	0.00
4.50	0.89	26.54	9.00	0.93	4.50	77.11	72.20	0.93	0.22	1.08	0.20	4.50	0.89	2.95	2.95	FALSO	4.00	4.50	0.02	2.00	0.00	7.75	0.00	0.00
4.52	0.91	27.31	9.00	0.94	4.52	77.44	72.34	0.93	0.22	1.08	0.20	4.52	0.91	2.95	2.95	FALSO	4.00	4.52	0.02	2.00	0.00	7.74	0.00	0.00
4.54	0.89	31.22	9.00	0.92	4.54	77.78	72.48	0.93	0.22	1.08	0.21	4.54	0.89	3.00	3.00	FALSO	4.00	4.54	0.02	2.00	0.00	7.73	0.00	0.00
4.56	0.85	33.53	9.00	0.89	4.56	78.12	72.63	0.93	0.22	1.08	0.21	4.56	0.85	3.04	3.04	FALSO	4.00	4.56	0.02	2.00	0.00	7.72	0.00	0.00
4.58	0.84	33.79	9.00	0.87	4.58	78.46	72.77	0.93	0.22	1.08	0.21	4.58	0.84	3.06	3.06	FALSO	4.00	4.58	0.02	2.00	0.00	7.71	0.00	0.00
4.60	0.83	35.10	9.00	0.86	4.60	78.80	72.92	0.93	0.22	1.08	0.21	4.60	0.83	3.07	3.07	FALSO	4.00	4.60	0.02	2.00	0.00	7.70	0.00	0.00
4.62	0.82	35.70	9.00	0.86	4.62	79.14	73.06	0.93	0.22	1.08	0.21	4.62	0.82	3.08	3.08	FALSO	4.00	4.62	0.02	2.00	0.00	7.69	0.00	0.00
4.64	0.84	35.96	9.00	0.87	4.64	79.48	73.21	0.93	0.22	1.08	0.21	4.64	0.84	3.08	3.08	FALSO	4.00	4.64	0.02	2.00	0.00	7.68	0.00	0.00
4.66	0.85	36.02	9.00	0.89	4.66	79.82	73.35	0.93	0.22	1.08	0.21	4.66	0.85	3.06	3.06									

5.46	0.65	21.66	9.00	0.71	5.46	92.96	78.64	0.91	0.24	1.07	0.22	5.46	0.65	3.12	3.12	FALSO	4.00	5.46	0.02	2.00	0.00	7.27	0.00	0.00
5.48	0.64	21.52	9.00	0.70	5.48	93.29	78.77	0.91	0.24	1.07	0.22	5.48	0.64	3.13	3.13	FALSO	4.00	5.48	0.02	2.00	0.00	7.26	0.00	0.00
5.50	0.64	21.37	9.00	0.70	5.50	93.62	78.90	0.91	0.24	1.07	0.22	5.50	0.64	3.13	3.13	FALSO	4.00	5.50	0.02	2.00	0.00	7.25	0.00	0.00
5.52	0.67	21.40	9.00	0.73	5.52	93.95	79.04	0.91	0.24	1.07	0.22	5.52	0.67	3.11	3.11	FALSO	4.00	5.52	0.02	2.00	0.00	7.24	0.00	0.00
5.54	0.66	21.71	9.00	0.72	5.54	94.28	79.17	0.91	0.24	1.07	0.22	5.54	0.66	3.12	3.12	FALSO	4.00	5.54	0.02	2.00	0.00	7.23	0.00	0.00
5.56	0.67	21.46	9.00	0.73	5.56	94.60	79.30	0.91	0.24	1.07	0.22	5.56	0.67	3.11	3.11	FALSO	4.00	5.56	0.02	2.00	0.00	7.22	0.00	0.00
5.58	0.64	21.46	9.00	0.70	5.58	94.93	79.43	0.91	0.24	1.07	0.22	5.58	0.64	3.13	3.13	FALSO	4.00	5.58	0.02	2.00	0.00	7.21	0.00	0.00
5.60	0.64	20.77	9.00	0.70	5.60	95.26	79.56	0.91	0.24	1.07	0.22	5.60	0.64	3.13	3.13	FALSO	4.00	5.60	0.02	2.00	0.00	7.20	0.00	0.00
5.62	0.63	20.57	9.00	0.69	5.62	95.58	79.69	0.91	0.24	1.07	0.22	5.62	0.63	3.13	3.13	FALSO	4.00	5.62	0.02	2.00	0.00	7.19	0.00	0.00
5.64	0.62	20.48	9.00	0.68	5.64	95.91	79.82	0.91	0.24	1.07	0.23	5.64	0.62	3.14	3.14	FALSO	4.00	5.64	0.02	2.00	0.00	7.18	0.00	0.00
5.66	0.62	20.03	9.00	0.68	5.66	96.24	79.95	0.91	0.24	1.07	0.23	5.66	0.62	3.14	3.14	FALSO	4.00	5.66	0.02	2.00	0.00	7.17	0.00	0.00
5.68	0.59	19.11	9.00	0.66	5.68	96.56	80.08	0.91	0.24	1.07	0.23	5.68	0.59	3.16	3.16	FALSO	4.00	5.68	0.02	2.00	0.00	7.16	0.00	0.00
5.70	0.60	19.11	9.00	0.66	5.70	96.88	80.21	0.91	0.24	1.07	0.23	5.70	0.60	3.15	3.15	FALSO	4.00	5.70	0.02	2.00	0.00	7.15	0.00	0.00
5.72	0.58	18.82	9.00	0.64	5.72	97.21	80.34	0.91	0.24	1.07	0.23	5.72	0.58	3.17	3.17	FALSO	4.00	5.72	0.02	2.00	0.00	7.14	0.00	0.00
5.74	0.55	17.37	9.00	0.62	5.74	97.53	80.46	0.91	0.24	1.07	0.23	5.74	0.55	3.18	3.18	FALSO	4.00	5.74	0.02	2.00	0.00	7.13	0.00	0.00
5.76	0.55	17.05	9.00	0.62	5.76	97.85	80.59	0.91	0.24	1.07	0.23	5.76	0.55	3.18	3.18	FALSO	4.00	5.76	0.02	2.00	0.00	7.12	0.00	0.00
5.78	0.54	16.94	9.00	0.60	5.78	98.17	80.71	0.91	0.24	1.07	0.23	5.78	0.54	3.19	3.19	FALSO	4.00	5.78	0.02	2.00	0.00	7.11	0.00	0.00
5.80	0.53	17.14	9.00	0.59	5.80	98.49	80.84	0.91	0.24	1.07	0.23	5.80	0.53	3.21	3.21	FALSO	4.00	5.80	0.02	2.00	0.00	7.10	0.00	0.00
5.82	0.50	19.79	9.00	0.58	5.82	98.82	80.96	0.90	0.24	1.07	0.23	5.82	0.50	3.27	3.27	FALSO	4.00	5.82	0.02	2.00	0.00	7.09	0.00	0.00
5.84	0.53	19.08	9.00	0.61	5.84	99.14	81.09	0.90	0.24	1.07	0.23	5.84	0.53	3.22	3.22	FALSO	4.00	5.84	0.02	2.00	0.00	7.08	0.00	0.00
5.86	0.53	19.51	9.00	0.60	5.86	99.47	81.22	0.90	0.24	1.07	0.23	5.86	0.53	3.23	3.23	FALSO	4.00	5.86	0.02	2.00	0.00	7.07	0.00	0.00
5.88	0.54	20.16	9.00	0.61	5.88	99.79	81.35	0.90	0.24	1.07	0.23	5.88	0.54	3.23	3.23	FALSO	4.00	5.88	0.02	2.00	0.00	7.06	0.00	0.00
5.90	0.54	20.79	9.00	0.61	5.90	100.12	81.48	0.90	0.25	1.07	0.23	5.90	0.54	3.24	3.24	FALSO	4.00	5.90	0.02	2.00	0.00	7.05	0.00	0.00
5.92	0.55	21.14	9.00	0.62	5.92	100.44	81.61	0.90	0.25	1.07	0.23	5.92	0.55	3.23	3.23	FALSO	4.00	5.92	0.02	2.00	0.00	7.04	0.00	0.00
5.94	0.57	22.59	9.00	0.64	5.94	100.77	81.74	0.90	0.25	1.07	0.23	5.94	0.57	3.23	3.23	FALSO	4.00	5.94	0.02	2.00	0.00	7.03	0.00	0.00
5.96	0.56	23.70	9.00	0.63	5.96	101.10	81.87	0.90	0.25	1.07	0.23	5.96	0.56	3.25	3.25	FALSO	4.00	5.96	0.02	2.00	0.00	7.02	0.00	0.00
5.98	0.56	24.76	9.00	0.63	5.98	101.43	82.01	0.90	0.25	1.07	0.23	5.98	0.56	3.26	3.26	FALSO	4.00	5.98	0.02	2.00	0.00	7.01	0.00	0.00
6.00	0.57	24.79	9.00	0.64	6.00	101.76	82.14	0.90	0.25	1.07	0.23	6.00	0.57	3.25	3.25	FALSO	4.00	6.00	0.02	2.00	0.00	7.00	0.00	0.00
6.02	0.56	25.64	9.00	0.63	6.02	102.09	82.28	0.90	0.25	1.07	0.23	6.02	0.56	3.28	3.28	FALSO	4.00	6.02	0.02	2.00	0.00	6.99	0.00	0.00
6.04	0.53	27.47	9.00	0.60	6.04	102.42	82.41	0.90	0.25	1.07	0.23	6.04	0.53	3.32	3.32	FALSO	4.00	6.04	0.02	2.00	0.00	6.98	0.00	0.00
6.06	0.55	28.67	9.00	0.62	6.06	102.76	82.55	0.90	0.25	1.07	0.23	6.06	0.55	3.32	3.32	FALSO	4.00	6.06	0.02	2.00	0.00	6.97	0.00	0.00
6.08	0.56	28.50	9.00	0.63	6.08	103.09	82.69	0.90	0.25	1.07	0.23	6.08	0.56	3.30	3.30	FALSO	4.00	6.08	0.02	2.00	0.00	6.96	0.00	0.00
6.10	0.57	27.53	9.00	0.64	6.10	103.42	82.82	0.90	0.25	1.07	0.23	6.10	0.57	3.28	3.28	FALSO	4.00	6.10	0.02	2.00	0.00	6.95	0.00	0.00
6.12	0.57	26.36	9.00	0.64	6.12	103.75	82.96	0.90	0.25	1.07	0.23	6.12	0.57	3.27	3.27	FALSO	4.00	6.12	0.02	2.00	0.00	6.94	0.00	0.00
6.14	0.59	25.33	9.00	0.66	6.14	104.09	83.09	0.90	0.25	1.07	0.23	6.14	0.59	3.24	3.24	FALSO	4.00	6.14	0.02	2.00	0.00	6.93	0.00	0.00
6.16	0.59	24.98	9.00	0.66	6.16	104.42	83.23	0.90	0.25	1.07	0.23	6.16	0.59	3.24	3.24	FALSO	4.00	6.16	0.02	2.00	0.00	6.92	0.00	0.00
6.18	0.59	24.87	9.00	0.66	6.18	104.75	83.36	0.90	0.25	1.07	0.23	6.18	0.59	3.24	3.24	FALSO	4.00	6.18	0.02	2.00	0.00	6.91	0.00	0.00
6.20	0.60	24.55	9.00	0.67	6.20	105.08	83.49	0.90	0.25	1.07	0.23	6.20	0.60	3.23	3.23	FALSO	4.00	6.20	0.02	2.00	0.00	6.90	0.00	0.00
6.22	0.60	24.13	9.00	0.67	6.22	105.41	83.63	0.90	0.25	1.07	0.23	6.22	0.60	3.22	3.22	FALSO	4.00	6.22	0.02	2.00	0.00	6.89	0.00	0.00
6.24	0.62	23.98	9.00	0.69	6.24	105.74	83.76	0.90	0.25	1.07	0.23	6.24	0.62	3.20	3.20	FALSO	4.00	6.24	0.02	2.00	0.00	6.88	0.00	0.00
6.26	0.63	24.41	9.00	0.71	6.26	106.07	83.90	0.89	0.25	1.07	0.23	6.26	0.63	3.19	3.19	FALSO	4.00	6.26	0.02	2.00	0.00	6.87	0.00	0.00
6.28	0.68	25.27	9.00	0.76	6.28	106.40	84.03	0.89	0.25	1.07	0.23	6.28	0.68	3.15	3.15	FALSO	4.00	6.28	0.02	2.00	0.00	6.86	0.00	0.00
6.30	0.70	26.01	9.00	0.78	6.30	106.73	84.17	0.89	0.25	1.07	0.23	6.30	0.70	3.14	3.14	FALSO	4.00	6.30	0.02	2.00	0.00	6.85	0.00	0.00
6.32	0.72	26.92	9.00	0.79	6.32	107.07	84.31	0.89	0.25	1.07	0.23	6.32	0.72	3.14	3.14	FALSO	4.00	6.32	0.02	2.00	0.00	6.84	0.00	0.00
6.34	0.72	29.03	9.00	0.80	6.34	107.40	84.45	0.89	0.25	1.07	0.23	6.34	0.72	3.15	3.15	FALSO	4.00	6.34	0.02	2.00	0.00	6.83	0.00	0.00
6.36	0.73	30.77	9.00	0.80	6.36	107.74	84.59	0.89	0.25	1.07	0.23	6.36	0.73	3.16	3.16	FALSO	4.00	6.36	0.02	2.00	0.00	6.82	0.00	0.00
6.38	0.73	31.74	9.00	0.81	6.38	108.08	84.73	0.89	0.25	1.07	0.23	6.38	0.73	3.17	3.17	FALSO	4.00	6.38	0.02	2.00	0.00	6.81	0.00	0.00
6.40	0.73	32.91	9.00	0.80	6.40	108.41	84.87	0.89	0.25	1.07	0.23	6.40	0.73	3.18	3.18	FALSO	4.00	6.40	0.02	2.00	0.00	6.80	0.00	0.00
6.42	0.76	33.14	9.00	0.83	6.42	108.75	85.01	0.89	0.25	1.07	0.23	6.42	0.76	3.16	3.16	FALSO	4.00	6.42	0.02	2.00	0.00	6.79	0.00	0.00
6.44	0.78	33.51	9.00	0.85	6.44	109.09	85.16	0.89	0.25	1.07	0.23	6.44	0.78	3.15	3.15	FALSO	4.00	6.44	0.02	2.00	0.00	6.78	0.00	0.00
6.46	0.78	34.68	9.00	0.85	6.46	109.43	85.30	0.89	0.25	1.07	0.24	6.46	0.78	3.16	3.16	FALSO	4.00	6.46	0.02	2.00	0.00	6.77	0.00	0.00
6.48	0.82	34.34	9.00	0.89	6.48	109.77	85.44	0.89	0.25	1.07	0.24	6.48	0.82	3.12	3.12	FALSO	4.00	6.48	0.02	2.00	0.00	6.76	0.00	0.00
6.50	0.84	34.05	9.00	0.90	6.50	110.11	85.59	0.89	0.25	1.07	0.24	6.50	0.84	3.11	3.11	FALSO	4.00	6.50	0.02	2.00	0.00	6.75	0.00	0.00
6.52	0.83	34.76	9.00	0.90	6.52	110.45	85.73	0.89	0.25	1.07	0.24	6.52	0.83	3.1										

7.32	1.98	27.45	9.00	2.00	7.32	123.54	90.97	0.87	0.26	1.09	0.24	7.32	1.98	2.57	2.57	VERO	4.00	7.32	0.02	2.00	0.00	6.34	0.00	0.07
7.34	2.08	27.59	9.00	2.09	7.34	123.88	91.11	0.87	0.26	1.09	0.24	7.34	2.08	2.54	2.54	VERO	4.00	7.34	0.02	2.00	0.00	6.33	0.00	0.07
7.36	2.19	25.70	9.00	2.20	7.36	124.22	91.26	0.87	0.26	1.09	0.24	7.36	2.19	2.49	2.49	VERO	4.00	7.36	0.02	2.00	0.00	6.32	0.00	0.07
7.38	2.30	23.91	9.00	2.31	7.38	124.56	91.40	0.87	0.26	1.09	0.24	7.38	2.30	2.45	2.45	VERO	4.00	7.38	0.02	2.00	0.00	6.31	0.00	0.07
7.40	2.45	21.56	9.00	2.46	7.40	124.90	91.54	0.87	0.26	1.09	0.24	7.40	2.45	2.39	2.39	VERO	4.00	7.40	0.02	2.00	0.00	6.30	0.00	0.07
7.42	2.59	20.85	9.00	2.60	7.42	125.23	91.68	0.87	0.26	1.10	0.24	7.42	2.59	2.35	2.35	VERO	4.00	7.42	0.02	2.00	0.00	6.29	0.00	0.07
7.44	2.77	21.14	9.00	2.77	7.44	125.57	91.82	0.87	0.26	1.10	0.24	7.44	2.77	2.31	2.31	VERO	4.00	7.44	0.02	2.00	0.00	6.28	0.00	0.07
7.46	2.85	20.65	9.00	2.86	7.46	125.91	91.96	0.87	0.26	1.10	0.24	7.46	2.85	2.29	2.29	VERO	4.00	7.46	0.02	2.00	0.00	6.27	0.00	0.07
7.48	2.91	19.05	9.00	2.92	7.48	126.24	92.10	0.87	0.26	1.10	0.24	7.48	2.91	2.26	2.26	VERO	4.00	7.48	0.02	2.00	0.00	6.26	0.00	0.07
7.50	2.96	16.42	9.00	2.97	7.50	126.58	92.24	0.87	0.26	1.10	0.24	7.50	2.96	2.22	2.22	VERO	4.00	7.50	0.02	2.00	0.00	6.25	0.00	0.07
7.52	2.91	15.51	9.00	2.92	7.52	126.91	92.38	0.87	0.26	1.09	0.24	7.52	2.91	2.22	2.22	VERO	0.12	7.52	0.02	0.49	0.51	6.24	0.06	0.13
7.54	2.85	14.59	9.00	2.86	7.54	127.24	92.51	0.87	0.26	1.09	0.24	7.54	2.85	2.22	2.22	VERO	0.12	7.54	0.02	0.48	0.52	6.23	0.06	0.19
7.56	2.87	14.42	9.00	2.88	7.56	127.57	92.64	0.87	0.26	1.09	0.24	7.56	2.87	2.21	2.21	VERO	0.11	7.56	0.02	0.48	0.52	6.22	0.06	0.25
7.58	2.89	16.13	9.00	2.90	7.58	127.90	92.78	0.87	0.26	1.10	0.24	7.58	2.89	2.23	2.23	VERO	4.00	7.58	0.02	2.00	0.00	6.21	0.00	0.25
7.60	2.88	20.87	9.00	2.89	7.60	128.24	92.92	0.86	0.26	1.10	0.24	7.60	2.88	2.29	2.29	VERO	4.00	7.60	0.02	2.00	0.00	6.20	0.00	0.25
7.62	2.68	24.21	9.00	2.69	7.62	128.58	93.06	0.86	0.26	1.10	0.24	7.62	2.68	2.36	2.36	VERO	4.00	7.62	0.02	2.00	0.00	6.19	0.00	0.25
7.64	2.46	26.90	9.00	2.46	7.64	128.92	93.21	0.86	0.26	1.10	0.24	7.64	2.46	2.44	2.44	VERO	4.00	7.64	0.02	2.00	0.00	6.18	0.00	0.25
7.66	2.20	25.61	9.00	2.20	7.66	129.26	93.35	0.86	0.26	1.09	0.24	7.66	2.20	2.50	2.50	VERO	4.00	7.66	0.02	2.00	0.00	6.17	0.00	0.25
7.68	1.94	25.98	9.00	1.94	7.68	129.60	93.50	0.86	0.26	1.09	0.24	7.68	1.94	2.58	2.58	VERO	4.00	7.68	0.02	2.00	0.00	6.16	0.00	0.25
7.70	1.74	29.55	9.00	1.75	7.70	129.94	93.64	0.86	0.26	1.09	0.24	7.70	1.74	2.68	2.68	FALSO	4.00	7.70	0.02	2.00	0.00	6.15	0.00	0.25
7.72	1.82	31.98	9.00	1.83	7.72	130.28	93.79	0.86	0.26	1.09	0.24	7.72	1.82	2.67	2.67	FALSO	4.00	7.72	0.02	2.00	0.00	6.14	0.00	0.25
7.74	1.92	34.43	9.00	1.94	7.74	130.63	93.94	0.86	0.26	1.09	0.24	7.74	1.92	2.65	2.65	FALSO	4.00	7.74	0.02	2.00	0.00	6.13	0.00	0.25
7.76	1.97	39.46	9.00	1.98	7.76	130.98	94.09	0.86	0.26	1.09	0.24	7.76	1.97	2.67	2.67	FALSO	4.00	7.76	0.02	2.00	0.00	6.12	0.00	0.25
7.78	1.83	40.74	9.00	1.84	7.78	131.33	94.25	0.86	0.26	1.09	0.24	7.78	1.83	2.73	2.73	FALSO	4.00	7.78	0.02	2.00	0.00	6.11	0.00	0.25
7.80	1.60	35.86	9.00	1.60	7.80	131.68	94.40	0.86	0.27	1.09	0.24	7.80	1.60	2.79	2.79	FALSO	4.00	7.80	0.02	2.00	0.00	6.10	0.00	0.25
7.82	1.32	33.09	9.00	1.33	7.82	132.02	94.54	0.86	0.27	1.08	0.25	7.82	1.32	2.89	2.89	FALSO	4.00	7.82	0.02	2.00	0.00	6.09	0.00	0.25
7.84	1.07	29.52	9.00	1.08	7.84	132.36	94.69	0.86	0.27	1.08	0.25	7.84	1.07	3.00	3.00	FALSO	4.00	7.84	0.02	2.00	0.00	6.08	0.00	0.25
7.86	1.00	23.49	9.00	1.07	7.86	132.69	94.82	0.86	0.27	1.08	0.25	7.86	1.00	2.96	2.96	FALSO	4.00	7.86	0.02	2.00	0.00	6.07	0.00	0.25
7.88	1.13	18.20	9.00	1.25	7.88	133.02	94.95	0.86	0.27	1.08	0.25	7.88	1.13	2.80	2.80	FALSO	4.00	7.88	0.02	2.00	0.00	6.06	0.00	0.25
7.90	1.65	27.34	9.00	1.69	7.90	133.36	95.10	0.86	0.27	1.09	0.24	7.90	1.65	2.69	2.69	FALSO	4.00	7.90	0.02	2.00	0.00	6.05	0.00	0.25
7.92	1.69	31.02	9.00	1.74	7.92	133.70	95.25	0.86	0.27	1.09	0.24	7.92	1.69	2.70	2.70	FALSO	4.00	7.92	0.02	2.00	0.00	6.04	0.00	0.25
7.94	1.84	32.99	9.00	1.89	7.94	134.05	95.39	0.86	0.27	1.09	0.24	7.94	1.84	2.66	2.66	FALSO	4.00	7.94	0.02	2.00	0.00	6.03	0.00	0.25
7.96	2.13	39.08	9.00	2.17	7.96	134.40	95.55	0.86	0.27	1.09	0.24	7.96	2.13	2.62	2.62	FALSO	4.00	7.96	0.02	2.00	0.00	6.02	0.00	0.25
7.98	2.24	44.22	9.00	2.27	7.98	134.75	95.71	0.86	0.27	1.10	0.24	7.98	2.24	2.62	2.62	FALSO	4.00	7.98	0.02	2.00	0.00	6.01	0.00	0.25
8.00	2.23	49.13	9.00	2.25	8.00	135.10	95.86	0.86	0.27	1.10	0.24	8.00	2.23	2.65	2.65	FALSO	4.00	8.00	0.02	2.00	0.00	6.00	0.00	0.25
8.02	2.05	50.10	9.00	2.07	8.02	135.46	96.02	0.85	0.27	1.09	0.24	8.02	2.05	2.71	2.71	FALSO	4.00	8.02	0.02	2.00	0.00	5.99	0.00	0.25
8.04	1.83	45.82	9.00	1.84	8.04	135.81	96.18	0.85	0.27	1.09	0.24	8.04	1.83	2.77	2.77	FALSO	4.00	8.04	0.02	2.00	0.00	5.98	0.00	0.25
8.06	1.65	38.30	9.00	1.67	8.06	136.16	96.33	0.85	0.27	1.09	0.25	8.06	1.65	2.79	2.79	FALSO	4.00	8.06	0.02	2.00	0.00	5.97	0.00	0.25
8.08	1.49	33.02	9.00	1.52	8.08	136.50	96.48	0.85	0.27	1.08	0.25	8.08	1.49	2.81	2.81	FALSO	4.00	8.08	0.02	2.00	0.00	5.96	0.00	0.25
8.10	1.44	31.99	9.00	1.46	8.10	136.85	96.62	0.85	0.27	1.08	0.25	8.10	1.44	2.83	2.83	FALSO	4.00	8.10	0.02	2.00	0.00	5.95	0.00	0.25
8.12	1.29	33.02	9.00	1.32	8.12	137.19	96.77	0.85	0.27	1.08	0.25	8.12	1.29	2.91	2.91	FALSO	4.00	8.12	0.02	2.00	0.00	5.94	0.00	0.25
8.14	1.18	29.54	9.00	1.21	8.14	137.53	96.91	0.85	0.27	1.08	0.25	8.14	1.18	2.94	2.94	FALSO	4.00	8.14	0.02	2.00	0.00	5.93	0.00	0.25
8.16	1.19	28.25	9.00	1.23	8.16	137.87	97.06	0.85	0.27	1.08	0.25	8.16	1.19	2.92	2.92	FALSO	4.00	8.16	0.02	2.00	0.00	5.92	0.00	0.25
8.18	1.16	26.65	9.00	1.20	8.18	138.20	97.20	0.85	0.27	1.08	0.25	8.18	1.16	2.92	2.92	FALSO	4.00	8.18	0.02	2.00	0.00	5.91	0.00	0.25
8.20	1.13	25.42	9.00	1.18	8.20	138.54	97.34	0.85	0.27	1.08	0.25	8.20	1.13	2.92	2.92	FALSO	4.00	8.20	0.02	2.00	0.00	5.90	0.00	0.25
8.22	1.09	25.77	9.00	1.15	8.22	138.87	97.47	0.85	0.27	1.08	0.25	8.22	1.09	2.95	2.95	FALSO	4.00	8.22	0.02	2.00	0.00	5.89	0.00	0.25
8.24	1.10	23.85	9.00	1.16	8.24	139.21	97.61	0.85	0.27	1.08	0.25	8.24	1.10	2.92	2.92	FALSO	4.00	8.24	0.02	2.00	0.00	5.88	0.00	0.25
8.26	1.07	23.17	9.00	1.12	8.26	139.54	97.75	0.85	0.27	1.08	0.25	8.26	1.07	2.94	2.94	FALSO	4.00	8.26	0.02	2.00	0.00	5.87	0.00	0.25
8.28	1.04	22.68	9.00	1.09	8.28	139.87	97.89	0.85	0.27	1.08	0.25	8.28	1.04	2.95	2.95	FALSO	4.00	8.28	0.02	2.00	0.00	5.86	0.00	0.25
8.30	0.95	24.85	9.00	1.00	8.30	140.21	98.02	0.85	0.27	1.08	0.25	8.30	0.95	3.03	3.03	FALSO	4.00	8.30	0.02	2.00	0.00	5.85	0.00	0.25
8.32	0.89	25.73	9.00	0.94	8.32	140.54	98.16	0.85	0.27	1.07	0.25	8.32	0.89	3.09	3.09	FALSO	4.00	8.32	0.02	2.00	0.00	5.84	0.00	0.25
8.34	0.85	24.25	9.00	0.91	8.34	140.87	98.30	0.85	0.27	1.07	0.25	8.34	0.85	3.10	3.10	FALSO	4.00	8.34	0.02	2.00	0.00	5.83	0.00	0.25
8.36	0.90	22.08	9.00	0.96	8.36	141.20	98.43	0.85	0.27	1.07	0.25	8.36	0.90	3.04	3.04	FALSO	4.00	8.36	0.02	2.00	0.00	5.82	0.00	0.25
8.38	0.85	21.16	9.00	0.91	8.38	141.53	98.56	0.85	0.27	1.07	0.25													

9.18	1.01	25.23	9.00	1.05	9.18	154.69	103.87	0.83	0.27	1.08	0.25	9.18	1.01	3.04	3.04	FALSO	4.00	9.18	0.02	2.00	0.00	5.41	0.00	0.25
9.20	1.11	23.35	9.00	1.16	9.20	155.02	104.01	0.83	0.27	1.08	0.25	9.20	1.11	2.95	2.95	FALSO	4.00	9.20	0.02	2.00	0.00	5.40	0.00	0.25
9.22	1.49	24.03	9.00	1.55	9.22	155.36	104.15	0.83	0.27	1.08	0.25	9.22	1.49	2.76	2.76	FALSO	4.00	9.22	0.02	2.00	0.00	5.39	0.00	0.25
9.24	1.77	24.03	9.00	1.82	9.24	155.69	104.29	0.83	0.27	1.08	0.25	9.24	1.77	2.65	2.65	FALSO	4.00	9.24	0.02	2.00	0.00	5.38	0.00	0.25
9.26	1.57	20.52	9.00	1.61	9.26	156.03	104.43	0.83	0.27	1.08	0.25	9.26	1.57	2.70	2.70	FALSO	4.00	9.26	0.02	2.00	0.00	5.37	0.00	0.25
9.28	1.21	19.29	9.00	1.25	9.28	156.36	104.56	0.83	0.27	1.08	0.25	9.28	1.21	2.85	2.85	FALSO	4.00	9.28	0.02	2.00	0.00	5.36	0.00	0.25
9.30	0.98	18.95	9.00	1.02	9.30	156.68	104.69	0.82	0.27	1.08	0.25	9.30	0.98	3.00	3.00	FALSO	4.00	9.30	0.02	2.00	0.00	5.35	0.00	0.25
9.32	0.88	25.37	9.00	0.92	9.32	157.02	104.83	0.82	0.27	1.07	0.25	9.32	0.88	3.14	3.14	FALSO	4.00	9.32	0.02	2.00	0.00	5.34	0.00	0.25
9.34	0.93	22.55	9.00	0.97	9.34	157.35	104.96	0.82	0.27	1.07	0.25	9.34	0.93	3.07	3.07	FALSO	4.00	9.34	0.02	2.00	0.00	5.33	0.00	0.25
9.36	0.99	24.55	9.00	1.03	9.36	157.68	105.10	0.82	0.27	1.08	0.25	9.36	0.99	3.05	3.05	FALSO	4.00	9.36	0.02	2.00	0.00	5.32	0.00	0.25
9.38	1.04	26.40	9.00	1.09	9.38	158.02	105.24	0.82	0.27	1.08	0.25	9.38	1.04	3.03	3.03	FALSO	4.00	9.38	0.02	2.00	0.00	5.31	0.00	0.25
9.40	0.92	24.80	9.00	0.96	9.40	158.35	105.38	0.82	0.27	1.07	0.25	9.40	0.92	3.10	3.10	FALSO	4.00	9.40	0.02	2.00	0.00	5.30	0.00	0.25
9.42	0.84	23.32	9.00	0.88	9.42	158.68	105.51	0.82	0.27	1.07	0.25	9.42	0.84	3.15	3.15	FALSO	4.00	9.42	0.02	2.00	0.00	5.29	0.00	0.25
9.44	0.80	19.80	9.00	0.85	9.44	159.01	105.64	0.82	0.27	1.07	0.25	9.44	0.80	3.14	3.14	FALSO	4.00	9.44	0.02	2.00	0.00	5.28	0.00	0.25
9.46	0.77	14.86	9.00	0.81	9.46	159.33	105.77	0.82	0.27	1.07	0.25	9.46	0.77	3.11	3.11	FALSO	4.00	9.46	0.02	2.00	0.00	5.27	0.00	0.25
9.48	0.67	16.00	9.00	0.71	9.48	159.65	105.89	0.82	0.27	1.07	0.26	9.48	0.67	3.23	3.23	FALSO	4.00	9.48	0.02	2.00	0.00	5.26	0.00	0.25
9.50	0.65	14.03	9.00	0.70	9.50	159.97	106.01	0.82	0.27	1.07	0.26	9.50	0.65	3.22	3.22	FALSO	4.00	9.50	0.02	2.00	0.00	5.25	0.00	0.25
9.52	0.66	14.75	9.00	0.70	9.52	160.29	106.14	0.82	0.27	1.07	0.26	9.52	0.66	3.22	3.22	FALSO	4.00	9.52	0.02	2.00	0.00	5.24	0.00	0.25
9.54	0.67	13.55	9.00	0.72	9.54	160.60	106.26	0.82	0.27	1.07	0.26	9.54	0.67	3.18	3.18	FALSO	4.00	9.54	0.02	2.00	0.00	5.23	0.00	0.25
9.56	0.70	13.12	9.00	0.75	9.56	160.92	106.38	0.82	0.27	1.07	0.26	9.56	0.70	3.15	3.15	FALSO	4.00	9.56	0.02	2.00	0.00	5.22	0.00	0.25
9.58	0.69	12.35	9.00	0.74	9.58	161.24	106.50	0.82	0.27	1.07	0.26	9.58	0.69	3.14	3.14	FALSO	4.00	9.58	0.02	2.00	0.00	5.21	0.00	0.25
9.60	0.71	11.18	9.00	0.76	9.60	161.55	106.61	0.82	0.27	1.07	0.26	9.60	0.71	3.10	3.10	FALSO	4.00	9.60	0.02	2.00	0.00	5.20	0.00	0.25
9.62	0.75	10.46	9.00	0.80	9.62	161.86	106.73	0.82	0.27	1.07	0.26	9.62	0.75	3.05	3.05	FALSO	4.00	9.62	0.02	2.00	0.00	5.19	0.00	0.25
9.64	0.77	10.95	9.00	0.82	9.64	162.17	106.85	0.82	0.27	1.07	0.26	9.64	0.77	3.04	3.04	FALSO	4.00	9.64	0.02	2.00	0.00	5.18	0.00	0.25
9.66	0.72	12.69	9.00	0.77	9.66	162.49	106.97	0.82	0.27	1.07	0.26	9.66	0.72	3.12	3.12	FALSO	4.00	9.66	0.02	2.00	0.00	5.17	0.00	0.25
9.68	0.69	12.18	9.00	0.74	9.68	162.81	107.09	0.82	0.27	1.07	0.26	9.68	0.69	3.14	3.14	FALSO	4.00	9.68	0.02	2.00	0.00	5.16	0.00	0.25
9.70	0.76	10.95	9.00	0.82	9.70	163.12	107.20	0.81	0.27	1.07	0.26	9.70	0.76	3.05	3.05	FALSO	4.00	9.70	0.02	2.00	0.00	5.15	0.00	0.25
9.72	0.79	11.80	9.00	0.85	9.72	163.43	107.32	0.81	0.27	1.07	0.26	9.72	0.79	3.04	3.04	FALSO	4.00	9.72	0.02	2.00	0.00	5.14	0.00	0.25
9.74	0.72	12.32	9.00	0.78	9.74	163.75	107.44	0.81	0.27	1.07	0.26	9.74	0.72	3.11	3.11	FALSO	4.00	9.74	0.02	2.00	0.00	5.13	0.00	0.25
9.76	0.73	12.18	9.00	0.79	9.76	164.07	107.56	0.81	0.27	1.07	0.26	9.76	0.73	3.10	3.10	FALSO	4.00	9.76	0.02	2.00	0.00	5.12	0.00	0.25
9.78	0.78	11.40	9.00	0.84	9.78	164.38	107.68	0.81	0.27	1.07	0.26	9.78	0.78	3.04	3.04	FALSO	4.00	9.78	0.02	2.00	0.00	5.11	0.00	0.25
9.80	0.90	13.43	9.00	0.96	9.80	164.70	107.80	0.81	0.27	1.07	0.26	9.80	0.90	2.98	2.98	FALSO	4.00	9.80	0.02	2.00	0.00	5.10	0.00	0.25
9.82	1.14	15.43	9.00	1.21	9.82	165.02	107.93	0.81	0.27	1.08	0.25	9.82	1.14	2.85	2.85	FALSO	4.00	9.82	0.02	2.00	0.00	5.09	0.00	0.25
9.84	1.15	16.43	9.00	1.21	9.84	165.35	108.06	0.81	0.27	1.08	0.25	9.84	1.15	2.86	2.86	FALSO	4.00	9.84	0.02	2.00	0.00	5.08	0.00	0.25
9.86	0.94	16.35	9.00	0.99	9.86	165.67	108.19	0.81	0.27	1.07	0.26	9.86	0.94	3.00	3.00	FALSO	4.00	9.86	0.02	2.00	0.00	5.07	0.00	0.25
9.88	0.81	16.49	9.00	0.87	9.88	166.00	108.31	0.81	0.27	1.07	0.26	9.88	0.81	3.10	3.10	FALSO	4.00	9.88	0.02	2.00	0.00	5.06	0.00	0.25
9.90	0.96	21.75	9.00	1.01	9.90	166.33	108.45	0.81	0.27	1.07	0.26	9.90	0.96	3.05	3.05	FALSO	4.00	9.90	0.02	2.00	0.00	5.05	0.00	0.25
9.92	0.90	20.76	9.00	0.95	9.92	166.66	108.58	0.81	0.27	1.07	0.26	9.92	0.90	3.09	3.09	FALSO	4.00	9.92	0.02	2.00	0.00	5.04	0.00	0.25
9.94	0.83	22.50	9.00	0.88	9.94	166.99	108.71	0.81	0.27	1.07	0.26	9.94	0.83	3.16	3.16	FALSO	4.00	9.94	0.02	2.00	0.00	5.03	0.00	0.25
9.96	0.77	22.24	9.00	0.82	9.96	167.32	108.85	0.81	0.27	1.07	0.26	9.96	0.77	3.22	3.22	FALSO	4.00	9.96	0.02	2.00	0.00	5.02	0.00	0.25
9.98	0.73	20.53	9.00	0.78	9.98	167.64	108.98	0.81	0.27	1.07	0.26	9.98	0.73	3.23	3.23	FALSO	4.00	9.98	0.02	2.00	0.00	5.01	0.00	0.25
10.00	0.68	17.27	9.00	0.73	10.00	167.97	109.11	0.81	0.27	1.07	0.26	10.00	0.68	3.25	3.25	FALSO	4.00	10.00	0.02	2.00	0.00	5.00	0.00	0.25
10.02	0.67	14.45	9.00	0.72	10.02	168.28	109.23	0.81	0.27	1.07	0.26	10.02	0.67	3.22	3.22	FALSO	4.00	10.02	0.02	2.00	0.00	4.99	0.00	0.25
10.04	0.65	12.96	9.00	0.70	10.04	168.60	109.35	0.81	0.27	1.07	0.26	10.04	0.65	3.21	3.21	FALSO	4.00	10.04	0.02	2.00	0.00	4.98	0.00	0.25
10.06	0.65	11.85	9.00	0.70	10.06	168.91	109.47	0.81	0.27	1.07	0.26	10.06	0.65	3.20	3.20	FALSO	4.00	10.06	0.02	2.00	0.00	4.97	0.00	0.25
10.08	0.66	11.30	9.00	0.72	10.08	169.23	109.58	0.81	0.28	1.07	0.26	10.08	0.66	3.17	3.17	FALSO	4.00	10.08	0.02	2.00	0.00	4.96	0.00	0.25
10.10	0.71	11.05	9.00	0.77	10.10	169.54	109.70	0.81	0.28	1.07	0.26	10.10	0.71	3.11	3.11	FALSO	4.00	10.10	0.02	2.00	0.00	4.95	0.00	0.25
10.12	0.76	11.50	9.00	0.81	10.12	169.85	109.82	0.80	0.28	1.07	0.26	10.12	0.76	3.08	3.08	FALSO	4.00	10.12	0.02	2.00	0.00	4.94	0.00	0.25
10.14	0.74	12.16	9.00	0.79	10.14	170.17	109.94	0.80	0.28	1.07	0.26	10.14	0.74	3.11	3.11	FALSO	4.00	10.14	0.02	2.00	0.00	4.93	0.00	0.25
10.16	0.70	11.79	9.00	0.75	10.16	170.48	110.06	0.80	0.28	1.07	0.26	10.16	0.70	3.14	3.14	FALSO	4.00	10.16	0.02	2.00	0.00	4.92	0.00	0.25
10.18	0.64	11.22	9.00	0.70	10.18	170.80	110.17	0.80	0.28	1.07	0.26	10.18	0.64	3.19	3.19	FALSO	4.00	10.18	0.02	2.00	0.00	4.91	0.00	0.25
10.20	0.65	9.50	9.00	0.71	10.20	171.11	110.28	0.80	0.28	1.07	0.26	10.20	0.65	3.15	3.15	FALSO	4.00	10.20	0.02	2.00	0.00	4.90	0.00	0.25
10.22	0.70	9.19	9.00	0.76	10.22	171.41	110.40	0.80	0.28	1.07	0.26	10.22	0.70	3.09	3.09	FALSO	4.00	10.22	0.02	2.00	0.00	4.89	0.00	0.25
10.24	0.																							

11.04	0.66	14.86	9.00	0.70	11.04	184.32	115.26	0.78	0.28	1.07	0.26	11.04	0.66	3.28	3.28	FALSO	4.00	11.04	0.02	2.00	0.00	4.48	0.00	0.25
11.06	0.65	14.57	9.00	0.70	11.06	184.64	115.38	0.78	0.28	1.07	0.26	11.06	0.65	3.27	3.27	FALSO	4.00	11.06	0.02	2.00	0.00	4.47	0.00	0.25
11.08	0.66	13.06	9.00	0.72	11.08	184.96	115.50	0.78	0.28	1.07	0.26	11.08	0.66	3.23	3.23	FALSO	4.00	11.08	0.02	2.00	0.00	4.46	0.00	0.25
11.10	0.70	11.88	9.00	0.76	11.10	185.27	115.62	0.78	0.28	1.07	0.26	11.10	0.70	3.17	3.17	FALSO	4.00	11.10	0.02	2.00	0.00	4.45	0.00	0.25
11.12	0.67	12.28	9.00	0.74	11.12	185.59	115.74	0.78	0.28	1.07	0.26	11.12	0.67	3.20	3.20	FALSO	4.00	11.12	0.02	2.00	0.00	4.44	0.00	0.25
11.14	0.68	10.83	9.00	0.76	11.14	185.90	115.86	0.78	0.28	1.07	0.26	11.14	0.68	3.16	3.16	FALSO	4.00	11.14	0.02	2.00	0.00	4.43	0.00	0.25
11.16	0.69	8.43	9.00	0.76	11.16	186.21	115.97	0.78	0.28	1.07	0.26	11.16	0.69	3.10	3.10	FALSO	4.00	11.16	0.02	2.00	0.00	4.42	0.00	0.25
11.18	0.72	7.51	9.00	0.80	11.18	186.51	116.08	0.78	0.28	1.07	0.26	11.18	0.72	3.04	3.04	FALSO	4.00	11.18	0.02	2.00	0.00	4.41	0.00	0.25
11.20	0.76	8.31	9.00	0.84	11.20	186.82	116.19	0.78	0.28	1.07	0.26	11.20	0.76	3.03	3.03	FALSO	4.00	11.20	0.02	2.00	0.00	4.40	0.00	0.25
11.22	0.76	8.66	9.00	0.84	11.22	187.13	116.30	0.78	0.28	1.07	0.26	11.22	0.76	3.03	3.03	FALSO	4.00	11.22	0.02	2.00	0.00	4.39	0.00	0.25
11.24	0.76	9.11	9.00	0.84	11.24	187.44	116.41	0.78	0.28	1.07	0.26	11.24	0.76	3.04	3.04	FALSO	4.00	11.24	0.02	2.00	0.00	4.38	0.00	0.25
11.26	0.73	9.37	9.00	0.81	11.26	187.75	116.52	0.78	0.28	1.07	0.26	11.26	0.73	3.08	3.08	FALSO	4.00	11.26	0.02	2.00	0.00	4.37	0.00	0.25
11.28	0.87	8.69	9.00	0.96	11.28	188.05	116.64	0.78	0.28	1.07	0.26	11.28	0.87	2.94	2.94	FALSO	4.00	11.28	0.02	2.00	0.00	4.36	0.00	0.25
11.30	1.35	9.23	9.00	1.45	11.30	188.37	116.76	0.78	0.28	1.08	0.26	11.30	1.35	2.66	2.66	FALSO	4.00	11.30	0.02	2.00	0.00	4.35	0.00	0.25
11.32	1.78	12.68	9.00	1.86	11.32	188.69	116.88	0.78	0.28	1.08	0.26	11.32	1.78	2.55	2.55	VERO	4.00	11.32	0.02	2.00	0.00	4.34	0.00	0.25
11.34	1.72	16.94	9.00	1.78	11.34	189.02	117.01	0.78	0.28	1.08	0.26	11.34	1.72	2.64	2.64	FALSO	4.00	11.34	0.02	2.00	0.00	4.33	0.00	0.25
11.36	1.53	18.05	9.00	1.59	11.36	189.35	117.15	0.78	0.28	1.08	0.26	11.36	1.53	2.73	2.73	FALSO	4.00	11.36	0.02	2.00	0.00	4.32	0.00	0.25
11.38	1.34	17.74	9.00	1.40	11.38	189.68	117.28	0.77	0.28	1.08	0.26	11.38	1.34	2.82	2.82	FALSO	4.00	11.38	0.02	2.00	0.00	4.31	0.00	0.25
11.40	1.06	20.25	9.00	1.11	11.40	190.01	117.41	0.77	0.28	1.08	0.26	11.40	1.06	3.01	3.01	FALSO	4.00	11.40	0.02	2.00	0.00	4.30	0.00	0.25
11.42	1.06	20.25	9.00	1.11	11.42	190.34	117.55	0.77	0.28	1.08	0.26	11.42	1.06	3.01	3.01	FALSO	4.00	11.42	0.02	2.00	0.00	4.29	0.00	0.25
11.44	0.73	13.82	9.00	0.79	11.44	190.66	117.67	0.77	0.28	1.07	0.26	11.44	0.73	3.18	3.18	FALSO	4.00	11.44	0.02	2.00	0.00	4.28	0.00	0.25
11.46	0.80	13.00	9.00	0.86	11.46	190.97	117.79	0.77	0.28	1.07	0.26	11.46	0.80	3.10	3.10	FALSO	4.00	11.46	0.02	2.00	0.00	4.27	0.00	0.25
11.48	0.99	15.14	9.00	1.06	11.48	191.30	117.92	0.77	0.28	1.07	0.26	11.48	0.99	2.98	2.98	FALSO	4.00	11.48	0.02	2.00	0.00	4.26	0.00	0.25
11.50	1.13	17.71	9.00	1.20	11.50	191.62	118.05	0.77	0.28	1.08	0.26	11.50	1.13	2.93	2.93	FALSO	4.00	11.50	0.02	2.00	0.00	4.25	0.00	0.25
11.52	1.07	20.31	9.00	1.15	11.52	191.95	118.18	0.77	0.28	1.08	0.26	11.52	1.07	2.99	2.99	FALSO	4.00	11.52	0.02	2.00	0.00	4.24	0.00	0.25
11.54	1.01	19.11	9.00	1.08	11.54	192.28	118.32	0.77	0.28	1.07	0.26	11.54	1.01	3.02	3.02	FALSO	4.00	11.54	0.02	2.00	0.00	4.23	0.00	0.25
11.56	1.06	18.68	9.00	1.14	11.56	192.61	118.45	0.77	0.28	1.08	0.26	11.56	1.06	2.98	2.98	FALSO	4.00	11.56	0.02	2.00	0.00	4.22	0.00	0.25
11.58	1.21	16.59	9.00	1.29	11.58	192.94	118.58	0.77	0.28	1.08	0.26	11.58	1.21	2.87	2.87	FALSO	4.00	11.58	0.02	2.00	0.00	4.21	0.00	0.25
11.60	1.32	18.42	9.00	1.40	11.60	193.27	118.71	0.77	0.28	1.08	0.26	11.60	1.32	2.83	2.83	FALSO	4.00	11.60	0.02	2.00	0.00	4.20	0.00	0.25
11.62	1.27	19.25	9.00	1.35	11.62	193.60	118.84	0.77	0.28	1.08	0.26	11.62	1.27	2.87	2.87	FALSO	4.00	11.62	0.02	2.00	0.00	4.19	0.00	0.25
11.64	1.07	19.93	9.00	1.15	11.64	193.93	118.98	0.77	0.28	1.08	0.26	11.64	1.07	2.99	2.99	FALSO	4.00	11.64	0.02	2.00	0.00	4.18	0.00	0.25
11.66	0.95	18.82	9.00	1.02	11.66	194.25	119.11	0.77	0.28	1.07	0.26	11.66	0.95	3.07	3.07	FALSO	4.00	11.66	0.02	2.00	0.00	4.17	0.00	0.25
11.68	0.89	15.19	9.00	0.95	11.68	194.58	119.23	0.77	0.28	1.07	0.26	11.68	0.89	3.07	3.07	FALSO	4.00	11.68	0.02	2.00	0.00	4.16	0.00	0.25
11.70	0.85	14.28	9.00	0.92	11.70	194.90	119.36	0.77	0.28	1.07	0.26	11.70	0.85	3.08	3.08	FALSO	4.00	11.70	0.02	2.00	0.00	4.15	0.00	0.25
11.72	0.75	13.85	9.00	0.82	11.72	195.21	119.48	0.77	0.28	1.07	0.26	11.72	0.75	3.17	3.17	FALSO	4.00	11.72	0.02	2.00	0.00	4.14	0.00	0.25
11.74	0.67	12.48	9.00	0.73	11.74	195.53	119.60	0.77	0.28	1.07	0.26	11.74	0.67	3.23	3.23	FALSO	4.00	11.74	0.02	2.00	0.00	4.13	0.00	0.25
11.76	0.74	10.22	9.00	0.81	11.76	195.84	119.72	0.77	0.28	1.07	0.26	11.76	0.74	3.11	3.11	FALSO	4.00	11.76	0.02	2.00	0.00	4.12	0.00	0.25
11.78	0.93	11.14	9.00	1.01	11.78	196.16	119.84	0.77	0.28	1.07	0.26	11.78	0.93	2.97	2.97	FALSO	4.00	11.78	0.02	2.00	0.00	4.11	0.00	0.25
11.80	1.45	11.25	9.00	1.54	11.80	196.48	119.96	0.76	0.28	1.08	0.26	11.80	1.45	2.67	2.67	FALSO	4.00	11.80	0.02	2.00	0.00	4.10	0.00	0.25
11.82	1.78	13.88	9.00	1.84	11.82	196.80	120.09	0.76	0.28	1.08	0.26	11.82	1.78	2.59	2.59	VERO	0.11	11.82	0.02	0.42	0.58	4.09	0.05	0.30
11.84	1.56	17.13	9.00	1.62	11.84	197.13	120.22	0.76	0.28	1.08	0.26	11.84	1.56	2.72	2.72	FALSO	4.00	11.84	0.02	2.00	0.00	4.08	0.00	0.30
11.86	1.17	14.25	9.00	1.22	11.86	197.45	120.35	0.76	0.28	1.08	0.26	11.86	1.17	2.89	2.89	FALSO	4.00	11.86	0.02	2.00	0.00	4.07	0.00	0.30
11.88	0.90	15.45	9.00	0.94	11.88	197.77	120.47	0.76	0.28	1.07	0.26	11.88	0.90	3.09	3.09	FALSO	4.00	11.88	0.02	2.00	0.00	4.06	0.00	0.30
11.90	0.86	15.93	9.00	0.92	11.90	198.10	120.60	0.76	0.28	1.07	0.26	11.90	0.86	3.11	3.11	FALSO	4.00	11.90	0.02	2.00	0.00	4.05	0.00	0.30
11.92	1.25	25.73	9.00	1.31	11.92	198.43	120.74	0.76	0.28	1.08	0.26	11.92	1.25	2.96	2.96	FALSO	4.00	11.92	0.02	2.00	0.00	4.04	0.00	0.30
11.94	1.40	28.50	9.00	1.46	11.94	198.77	120.88	0.76	0.28	1.08	0.26	11.94	1.40	2.91	2.91	FALSO	4.00	11.94	0.02	2.00	0.00	4.03	0.00	0.30
11.96	1.71	32.24	9.00	1.78	11.96	199.12	121.03	0.76	0.28	1.08	0.26	11.96	1.71	2.81	2.81	FALSO	4.00	11.96	0.02	2.00	0.00	4.02	0.00	0.30
11.98	2.02	31.70	9.00	2.08	11.98	199.46	121.18	0.76	0.28	1.09	0.25	11.98	2.02	2.69	2.69	FALSO	4.00	11.98	0.02	2.00	0.00	4.01	0.00	0.30
12.00	2.22	31.30	9.00	2.29	12.00	199.81	121.33	0.76	0.28	1.09	0.25	12.00	2.22	2.63	2.63	FALSO	4.00	12.00	0.02	2.00	0.00	4.00	0.00	0.30
12.02	2.83	33.62	9.00	2.91	12.02	200.16	121.48	0.76	0.28	1.10	0.25	12.02	2.83	2.49	2.49	VERO	4.00	12.02	0.02	2.00	0.00	3.99	0.00	0.30
12.04	4.26	40.78	9.00	4.32	12.04	200.51	121.64	0.76	0.28	1.12	0.25	12.04	4.26	2.27	2.27	VERO	4.00	12.04	0.02	2.00	0.00	3.98	0.00	0.30
12.06	4.96	40.10	9.00	5.00	12.06	200.87	121.80	0.76	0.28	1.13	0.25	12.06	4.96	2.18	2.18	VERO	4.00	12.06	0.02	2.00	0.00	3.97	0.00	0.30
12.08	5.47	35.95	9.00	5.50	12.08	201.22	121.96	0.76	0.															

12.90	3.81	41.93	9.00	3.83	12.90	215.63	128.32	0.74	0.27	1.11	0.25	12.90	3.81	2.38	2.38	VERO	0.12	12.90	0.02	0.50	0.50	3.55	0.04	1.08
12.92	4.26	27.31	9.00	4.29	12.92	215.98	128.47	0.74	0.27	1.11	0.25	12.92	4.26	2.21	2.21	VERO	0.12	12.92	0.02	0.49	0.51	3.54	0.04	1.12
12.94	4.53	22.66	9.00	4.55	12.94	216.32	128.62	0.74	0.27	1.11	0.25	12.94	4.53	2.13	2.13	VERO	0.12	12.94	0.02	0.48	0.52	3.53	0.04	1.16
12.96	4.82	24.14	9.00	4.85	12.96	216.67	128.77	0.74	0.27	1.11	0.25	12.96	4.82	2.10	2.10	VERO	0.12	12.96	0.02	0.48	0.52	3.52	0.04	1.20
12.98	5.07	23.26	9.00	5.10	12.98	217.01	128.92	0.74	0.27	1.11	0.25	12.98	5.07	2.06	2.06	VERO	0.12	12.98	0.02	0.48	0.52	3.51	0.04	1.24
13.00	5.26	20.03	9.00	5.29	13.00	217.35	129.06	0.74	0.27	1.10	0.25	13.00	5.26	2.01	2.01	VERO	0.12	13.00	0.02	0.46	0.54	3.50	0.04	1.28
13.02	5.45	13.98	9.00	5.48	13.02	217.69	129.20	0.74	0.27	1.08	0.25	13.02	5.45	1.93	1.93	VERO	0.11	13.02	0.02	0.42	0.58	3.49	0.04	1.32
13.04	5.47	15.38	9.00	5.50	13.04	218.02	129.34	0.74	0.27	1.09	0.25	13.04	5.47	1.95	1.95	VERO	0.11	13.04	0.02	0.43	0.57	3.48	0.04	1.36
13.06	5.45	16.38	9.00	5.47	13.06	218.36	129.48	0.74	0.27	1.09	0.25	13.06	5.45	1.96	1.96	VERO	0.11	13.06	0.02	0.44	0.56	3.47	0.04	1.40
13.08	5.44	16.46	9.00	5.46	13.08	218.70	129.62	0.73	0.27	1.09	0.25	13.08	5.44	1.96	1.96	VERO	0.11	13.08	0.02	0.44	0.56	3.46	0.04	1.44
13.10	5.28	18.32	9.00	5.30	13.10	219.04	129.77	0.73	0.27	1.10	0.25	13.10	5.28	2.00	2.00	VERO	0.12	13.10	0.02	0.45	0.55	3.45	0.04	1.48
13.12	4.84	13.84	9.00	4.86	13.12	219.37	129.90	0.73	0.27	1.09	0.25	13.12	4.84	2.00	2.00	VERO	0.11	13.12	0.02	0.44	0.56	3.44	0.04	1.52
13.14	4.52	9.18	9.00	4.54	13.14	219.69	130.03	0.73	0.27	1.08	0.25	13.14	4.52	1.99	1.99	VERO	0.11	13.14	0.02	0.42	0.58	3.43	0.04	1.56
13.16	4.25	8.07	9.00	4.26	13.16	220.01	130.15	0.73	0.27	1.08	0.25	13.16	4.25	2.01	2.01	VERO	0.11	13.16	0.02	0.42	0.58	3.42	0.04	1.60
13.18	4.18	10.29	9.00	4.19	13.18	220.33	130.28	0.73	0.27	1.09	0.25	13.18	4.18	2.05	2.05	VERO	0.11	13.18	0.02	0.43	0.57	3.41	0.04	1.64
13.20	4.21	14.78	9.00	4.23	13.20	220.67	130.42	0.73	0.27	1.10	0.25	13.20	4.21	2.10	2.10	VERO	0.12	13.20	0.02	0.45	0.55	3.40	0.04	1.68
13.22	4.39	16.92	9.00	4.41	13.22	221.00	130.56	0.73	0.27	1.10	0.25	13.22	4.39	2.10	2.10	VERO	0.12	13.22	0.02	0.46	0.54	3.39	0.04	1.72
13.24	4.53	16.06	9.00	4.55	13.24	221.34	130.69	0.73	0.27	1.10	0.25	13.24	4.53	2.07	2.07	VERO	0.12	13.24	0.02	0.46	0.54	3.38	0.04	1.76
13.26	4.43	15.80	9.00	4.45	13.26	221.67	130.83	0.73	0.27	1.10	0.25	13.26	4.43	2.08	2.08	VERO	0.12	13.26	0.02	0.46	0.54	3.37	0.04	1.80
13.28	4.13	20.54	9.00	4.15	13.28	222.01	130.98	0.73	0.27	1.10	0.25	13.28	4.13	2.18	2.18	VERO	0.12	13.28	0.02	0.47	0.53	3.36	0.04	1.84
13.30	3.85	19.51	9.00	3.87	13.30	222.35	131.12	0.73	0.27	1.10	0.25	13.30	3.85	2.21	2.21	VERO	0.12	13.30	0.02	0.47	0.53	3.35	0.04	1.88
13.32	3.54	19.23	9.00	3.56	13.32	222.69	131.26	0.73	0.27	1.10	0.25	13.32	3.54	2.26	2.26	VERO	0.12	13.32	0.02	0.46	0.54	3.34	0.04	1.92
13.34	3.46	14.69	9.00	3.47	13.34	223.02	131.40	0.73	0.27	1.09	0.25	13.34	3.46	2.23	2.23	VERO	0.12	13.34	0.02	0.45	0.55	3.33	0.04	1.96
13.36	3.58	11.37	9.00	3.60	13.36	223.35	131.52	0.73	0.27	1.09	0.25	13.36	3.58	2.16	2.16	VERO	0.11	13.36	0.02	0.44	0.56	3.32	0.04	2.00
13.38	3.81	17.77	9.00	3.83	13.38	223.68	131.66	0.73	0.27	1.10	0.25	13.38	3.81	2.20	2.20	VERO	0.12	13.38	0.02	0.46	0.54	3.31	0.04	2.04
13.40	3.99	24.14	9.00	4.01	13.40	224.03	131.81	0.73	0.27	1.11	0.25	13.40	3.99	2.23	2.23	VERO	0.12	13.40	0.02	0.48	0.52	3.30	0.03	2.07
13.42	4.21	30.19	9.00	4.23	13.42	224.38	131.97	0.73	0.27	1.11	0.25	13.42	4.21	2.25	2.25	VERO	0.12	13.42	0.02	0.49	0.51	3.29	0.03	2.10
13.44	4.35	32.99	9.00	4.38	13.44	224.73	132.12	0.73	0.27	1.12	0.24	13.44	4.35	2.24	2.24	VERO	0.13	13.44	0.02	0.50	0.50	3.28	0.03	2.13
13.46	4.30	32.33	9.00	4.32	13.46	225.08	132.28	0.73	0.27	1.11	0.24	13.46	4.30	2.25	2.25	VERO	0.13	13.46	0.02	0.50	0.50	3.27	0.03	2.16
13.48	4.24	26.13	9.00	4.26	13.48	225.42	132.43	0.73	0.27	1.11	0.25	13.48	4.24	2.21	2.21	VERO	0.12	13.48	0.02	0.49	0.51	3.26	0.03	2.19
13.50	4.07	22.73	9.00	4.09	13.50	225.77	132.57	0.72	0.27	1.10	0.25	13.50	4.07	2.21	2.21	VERO	0.12	13.50	0.02	0.48	0.52	3.25	0.03	2.22
13.52	3.70	20.22	9.00	3.72	13.52	226.11	132.71	0.72	0.27	1.10	0.25	13.52	3.70	2.25	2.25	VERO	0.12	13.52	0.02	0.47	0.53	3.24	0.03	2.25
13.54	3.13	11.65	9.00	3.14	13.54	226.43	132.84	0.72	0.27	1.09	0.25	13.54	3.13	2.26	2.26	VERO	4.00	13.54	0.02	2.00	0.00	3.23	0.00	2.25
13.56	2.54	8.62	9.00	2.54	13.56	226.75	132.96	0.72	0.27	1.08	0.25	13.56	2.54	2.34	2.34	VERO	4.00	13.56	0.02	2.00	0.00	3.22	0.00	2.25
13.58	2.21	12.54	9.00	2.21	13.58	227.07	133.09	0.72	0.27	1.08	0.25	13.58	2.21	2.50	2.50	VERO	4.00	13.58	0.02	2.00	0.00	3.21	0.00	2.25
13.60	1.75	29.35	9.00	1.75	13.60	227.41	133.24	0.72	0.27	1.08	0.25	13.60	1.75	2.84	2.84	FALSO	4.00	13.60	0.02	2.00	0.00	3.20	0.00	2.25
13.62	1.39	36.03	9.00	1.40	13.62	227.76	133.39	0.72	0.27	1.08	0.25	13.62	1.39	3.05	3.05	FALSO	4.00	13.62	0.02	2.00	0.00	3.19	0.00	2.25
13.64	1.28	39.32	9.00	1.31	13.64	228.10	133.54	0.72	0.27	1.08	0.25	13.64	1.28	3.12	3.12	FALSO	4.00	13.64	0.02	2.00	0.00	3.18	0.00	2.25
13.66	1.25	39.00	9.00	1.31	13.66	228.45	133.69	0.72	0.27	1.08	0.25	13.66	1.25	3.12	3.12	FALSO	4.00	13.66	0.02	2.00	0.00	3.17	0.00	2.25
13.68	1.28	36.35	9.00	1.37	13.68	228.79	133.83	0.72	0.27	1.08	0.25	13.68	1.28	3.07	3.07	FALSO	4.00	13.68	0.02	2.00	0.00	3.16	0.00	2.25
13.70	1.40	33.78	9.00	1.50	13.70	229.14	133.98	0.72	0.27	1.08	0.25	13.70	1.40	2.99	2.99	FALSO	4.00	13.70	0.02	2.00	0.00	3.15	0.00	2.25
13.72	1.39	30.29	9.00	1.50	13.72	229.48	134.13	0.72	0.27	1.08	0.25	13.72	1.39	2.96	2.96	FALSO	4.00	13.72	0.02	2.00	0.00	3.14	0.00	2.25
13.74	1.25	31.18	9.00	1.36	13.74	229.82	134.27	0.72	0.27	1.08	0.25	13.74	1.25	3.04	3.04	FALSO	4.00	13.74	0.02	2.00	0.00	3.13	0.00	2.25
13.76	1.18	24.26	9.00	1.29	13.76	230.16	134.41	0.72	0.27	1.08	0.25	13.76	1.18	3.02	3.02	FALSO	4.00	13.76	0.02	2.00	0.00	3.12	0.00	2.25
13.78	1.16	18.55	9.00	1.27	13.78	230.48	134.54	0.72	0.27	1.08	0.25	13.78	1.16	2.97	2.97	FALSO	4.00	13.78	0.02	2.00	0.00	3.11	0.00	2.25
13.80	1.07	21.18	9.00	1.18	13.80	230.82	134.68	0.72	0.27	1.07	0.25	13.80	1.07	3.06	3.06	FALSO	4.00	13.80	0.02	2.00	0.00	3.10	0.00	2.25
13.82	1.02	22.80	9.00	1.13	13.82	231.15	134.81	0.72	0.27	1.07	0.25	13.82	1.02	3.11	3.11	FALSO	4.00	13.82	0.02	2.00	0.00	3.09	0.00	2.25
13.84	0.99	24.98	9.00	1.10	13.84	231.48	134.95	0.72	0.27	1.07	0.25	13.84	0.99	3.15	3.15	FALSO	4.00	13.84	0.02	2.00	0.00	3.08	0.00	2.25
13.86	0.95	29.14	9.00	1.06	13.86	231.82	135.09	0.72	0.27	1.07	0.25	13.86	0.95	3.21	3.21	FALSO	4.00	13.86	0.02	2.00	0.00	3.07	0.00	2.25
13.88	0.95	29.69	9.00	1.06	13.88	232.16	135.24	0.72	0.27	1.07	0.25	13.88	0.95	3.22	3.22	FALSO	4.00	13.88	0.02	2.00	0.00	3.06	0.00	2.25
13.90	0.93	30.09	9.00	1.04	13.90	232.50	135.38	0.72	0.27	1.07	0.25	13.90	0.93	3.24	3.24	FALSO	4.00	13.90	0.02	2.00	0.00	3.05	0.00	2.25
13.92	0.93	31.71	9.00	1.05	13.92	232.84	135.52	0.72	0.27	1.07	0.25	13.92	0.93	3.24	3.24	FALSO	4.00	13.92	0.02	2.00	0.00	3.04	0.00	2.25
13.94	0.89	32.17	9.00	1.02	13.94	233.18	135.67	0.71																

14.76	1.00	26.88	9.00	1.08	14.76	247.02	141.46	0.70	0.27	1.07	0.25	14.76	1.00	3.21	3.21	FALSO	4.00	14.76	0.02	2.00	0.00	2.62	0.00	2.25
14.78	0.98	28.85	9.00	1.06	14.78	247.35	141.60	0.70	0.27	1.07	0.25	14.78	0.98	3.24	3.24	FALSO	4.00	14.78	0.02	2.00	0.00	2.61	0.00	2.25
14.80	0.96	31.71	9.00	1.04	14.80	247.69	141.74	0.70	0.27	1.07	0.25	14.80	0.96	3.27	3.27	FALSO	4.00	14.80	0.02	2.00	0.00	2.60	0.00	2.25
14.82	0.93	34.99	9.00	1.02	14.82	248.03	141.89	0.69	0.27	1.07	0.25	14.82	0.93	3.32	3.32	FALSO	4.00	14.82	0.02	2.00	0.00	2.59	0.00	2.25
14.84	0.94	36.36	9.00	1.03	14.84	248.38	142.04	0.69	0.27	1.07	0.25	14.84	0.94	3.32	3.32	FALSO	4.00	14.84	0.02	2.00	0.00	2.58	0.00	2.25
14.86	0.95	36.16	9.00	1.04	14.86	248.72	142.18	0.69	0.27	1.07	0.25	14.86	0.95	3.31	3.31	FALSO	4.00	14.86	0.02	2.00	0.00	2.57	0.00	2.25
14.88	0.97	35.42	9.00	1.06	14.88	249.06	142.33	0.69	0.27	1.07	0.25	14.88	0.97	3.29	3.29	FALSO	4.00	14.88	0.02	2.00	0.00	2.56	0.00	2.25
14.90	0.99	32.99	9.00	1.09	14.90	249.40	142.47	0.69	0.27	1.07	0.25	14.90	0.99	3.25	3.25	FALSO	4.00	14.90	0.02	2.00	0.00	2.55	0.00	2.25
14.92	1.00	31.82	9.00	1.12	14.92	249.74	142.62	0.69	0.27	1.07	0.25	14.92	1.00	3.22	3.22	FALSO	4.00	14.92	0.02	2.00	0.00	2.54	0.00	2.25
14.94	1.00	28.93	9.00	1.12	14.94	250.08	142.76	0.69	0.27	1.07	0.25	14.94	1.00	3.20	3.20	FALSO	4.00	14.94	0.02	2.00	0.00	2.53	0.00	2.25
14.96	0.99	28.85	9.00	1.11	14.96	250.42	142.90	0.69	0.27	1.07	0.25	14.96	0.99	3.20	3.20	FALSO	4.00	14.96	0.02	2.00	0.00	2.52	0.00	2.25
14.98	0.97	29.13	9.00	1.10	14.98	250.76	143.04	0.69	0.27	1.07	0.25	14.98	0.97	3.22	3.22	FALSO	4.00	14.98	0.02	2.00	0.00	2.51	0.00	2.25
15.00	0.99	29.76	9.00	1.12	15.00	251.10	143.19	0.69	0.27	1.07	0.25	15.00	0.99	3.21	3.21	FALSO	4.00	15.00	0.02	2.00	0.00	2.50	0.00	2.25
15.02	0.98	30.25	9.00	1.11	15.02	251.43	143.33	0.69	0.27	1.07	0.25	15.02	0.98	3.22	3.22	FALSO	4.00	15.02	0.02	2.00	0.00	2.49	0.00	2.25
15.04	0.98	30.70	9.00	1.11	15.04	251.77	143.47	0.69	0.27	1.07	0.25	15.04	0.98	3.23	3.23	FALSO	4.00	15.04	0.02	2.00	0.00	2.48	0.00	2.25
15.06	0.97	30.48	9.00	1.10	15.06	252.11	143.61	0.69	0.27	1.07	0.25	15.06	0.97	3.23	3.23	FALSO	4.00	15.06	0.02	2.00	0.00	2.47	0.00	2.25
15.08	0.95	29.45	9.00	1.07	15.08	252.45	143.76	0.69	0.27	1.07	0.25	15.08	0.95	3.24	3.24	FALSO	4.00	15.08	0.02	2.00	0.00	2.46	0.00	2.25
15.10	0.95	28.91	9.00	1.07	15.10	252.79	143.90	0.69	0.27	1.07	0.25	15.10	0.95	3.24	3.24	FALSO	4.00	15.10	0.02	2.00	0.00	2.45	0.00	2.25
15.12	0.95	28.53	9.00	1.08	15.12	253.13	144.04	0.69	0.27	1.07	0.25	15.12	0.95	3.23	3.23	FALSO	4.00	15.12	0.02	2.00	0.00	2.44	0.00	2.25
15.14	0.93	27.88	9.00	1.06	15.14	253.46	144.18	0.69	0.27	1.07	0.25	15.14	0.93	3.24	3.24	FALSO	4.00	15.14	0.02	2.00	0.00	2.43	0.00	2.25
15.16	0.93	26.99	9.00	1.05	15.16	253.80	144.32	0.69	0.27	1.07	0.25	15.16	0.93	3.24	3.24	FALSO	4.00	15.16	0.02	2.00	0.00	2.42	0.00	2.25
15.18	0.93	26.56	9.00	1.06	15.18	254.13	144.46	0.69	0.27	1.07	0.25	15.18	0.93	3.23	3.23	FALSO	4.00	15.18	0.02	2.00	0.00	2.41	0.00	2.25
15.20	0.94	25.99	9.00	1.07	15.20	254.47	144.60	0.69	0.27	1.07	0.25	15.20	0.94	3.22	3.22	FALSO	4.00	15.20	0.02	2.00	0.00	2.40	0.00	2.25
15.22	0.95	27.11	9.00	1.08	15.22	254.81	144.74	0.69	0.27	1.07	0.25	15.22	0.95	3.22	3.22	FALSO	4.00	15.22	0.02	2.00	0.00	2.39	0.00	2.25
15.24	0.95	27.11	9.00	1.08	15.24	255.14	144.88	0.69	0.27	1.07	0.25	15.24	0.95	3.22	3.22	FALSO	4.00	15.24	0.02	2.00	0.00	2.38	0.00	2.25
15.26	0.98	27.73	9.00	1.11	15.26	255.48	145.02	0.69	0.27	1.07	0.25	15.26	0.98	3.21	3.21	FALSO	4.00	15.26	0.02	2.00	0.00	2.37	0.00	2.25
15.28	0.99	28.22	9.00	1.12	15.28	255.82	145.16	0.68	0.27	1.07	0.25	15.28	0.99	3.20	3.20	FALSO	4.00	15.28	0.02	2.00	0.00	2.36	0.00	2.25
15.30	0.98	28.59	9.00	1.12	15.30	256.15	145.30	0.68	0.27	1.07	0.25	15.30	0.98	3.21	3.21	FALSO	4.00	15.30	0.02	2.00	0.00	2.35	0.00	2.25
15.32	0.98	29.25	9.00	1.11	15.32	256.49	145.44	0.68	0.27	1.07	0.25	15.32	0.98	3.22	3.22	FALSO	4.00	15.32	0.02	2.00	0.00	2.34	0.00	2.25
15.34	0.96	29.22	9.00	1.10	15.34	256.83	145.59	0.68	0.27	1.07	0.25	15.34	0.96	3.23	3.23	FALSO	4.00	15.34	0.02	2.00	0.00	2.33	0.00	2.25
15.36	0.95	28.33	9.00	1.09	15.36	257.17	145.73	0.68	0.27	1.07	0.25	15.36	0.95	3.23	3.23	FALSO	4.00	15.36	0.02	2.00	0.00	2.32	0.00	2.25
15.38	0.97	27.42	9.00	1.11	15.38	257.50	145.87	0.68	0.27	1.07	0.25	15.38	0.97	3.21	3.21	FALSO	4.00	15.38	0.02	2.00	0.00	2.31	0.00	2.25
15.40	0.96	26.36	9.00	1.10	15.40	257.84	146.01	0.68	0.27	1.07	0.25	15.40	0.96	3.21	3.21	FALSO	4.00	15.40	0.02	2.00	0.00	2.30	0.00	2.25
15.42	0.95	25.53	9.00	1.09	15.42	258.18	146.15	0.68	0.27	1.07	0.25	15.42	0.95	3.21	3.21	FALSO	4.00	15.42	0.02	2.00	0.00	2.29	0.00	2.25
15.44	0.92	25.91	9.00	1.06	15.44	258.51	146.28	0.68	0.27	1.07	0.25	15.44	0.92	3.23	3.23	FALSO	4.00	15.44	0.02	2.00	0.00	2.28	0.00	2.25
15.46	0.92	25.62	9.00	1.06	15.46	258.85	146.42	0.68	0.27	1.07	0.25	15.46	0.92	3.23	3.23	FALSO	4.00	15.46	0.02	2.00	0.00	2.27	0.00	2.25
15.48	0.89	26.82	9.00	1.03	15.48	259.18	146.56	0.68	0.27	1.07	0.25	15.48	0.89	3.27	3.27	FALSO	4.00	15.48	0.02	2.00	0.00	2.26	0.00	2.25
15.50	0.89	27.59	9.00	1.03	15.50	259.52	146.70	0.68	0.27	1.07	0.25	15.50	0.89	3.27	3.27	FALSO	4.00	15.50	0.02	2.00	0.00	2.25	0.00	2.25
15.52	0.90	27.25	9.00	1.04	15.52	259.85	146.84	0.68	0.27	1.07	0.25	15.52	0.90	3.26	3.26	FALSO	4.00	15.52	0.02	2.00	0.00	2.24	0.00	2.25
15.54	0.91	27.53	9.00	1.05	15.54	260.19	146.98	0.68	0.27	1.07	0.25	15.54	0.91	3.25	3.25	FALSO	4.00	15.54	0.02	2.00	0.00	2.23	0.00	2.25
15.56	0.91	27.73	9.00	1.05	15.56	260.53	147.12	0.68	0.27	1.07	0.25	15.56	0.91	3.26	3.26	FALSO	4.00	15.56	0.02	2.00	0.00	2.22	0.00	2.25
15.58	0.92	26.68	9.00	1.06	15.58	260.86	147.26	0.68	0.27	1.07	0.25	15.58	0.92	3.24	3.24	FALSO	4.00	15.58	0.02	2.00	0.00	2.21	0.00	2.25
15.60	0.93	26.73	9.00	1.07	15.60	261.20	147.40	0.68	0.27	1.07	0.25	15.60	0.93	3.23	3.23	FALSO	4.00	15.60	0.02	2.00	0.00	2.20	0.00	2.25
15.62	0.93	27.59	9.00	1.07	15.62	261.53	147.54	0.68	0.27	1.07	0.25	15.62	0.93	3.25	3.25	FALSO	4.00	15.62	0.02	2.00	0.00	2.19	0.00	2.25
15.64	0.96	28.64	9.00	1.11	15.64	261.87	147.68	0.68	0.27	1.07	0.25	15.64	0.96	3.23	3.23	FALSO	4.00	15.64	0.02	2.00	0.00	2.18	0.00	2.25
15.66	0.97	30.24	9.00	1.11	15.66	262.21	147.83	0.68	0.27	1.07	0.25	15.66	0.97	3.24	3.24	FALSO	4.00	15.66	0.02	2.00	0.00	2.17	0.00	2.25
15.68	0.98	31.87	9.00	1.12	15.68	262.55	147.97	0.68	0.27	1.07	0.25	15.68	0.98	3.25	3.25	FALSO	4.00	15.68	0.02	2.00	0.00	2.16	0.00	2.25
15.70	0.99	32.64	9.00	1.13	15.70	262.89	148.12	0.68	0.27	1.07	0.25	15.70	0.99	3.25	3.25	FALSO	4.00	15.70	0.02	2.00	0.00	2.15	0.00	2.25
15.72	1.03	34.44	9.00	1.17	15.72	263.24	148.26	0.68	0.26	1.07	0.25	15.72	1.03	3.23	3.23	FALSO	4.00	15.72	0.02	2.00	0.00	2.14	0.00	2.25
15.74	1.04	35.81	9.00	1.18	15.74	263.58	148.41	0.67	0.26	1.07	0.25	15.74	1.04	3.23	3.23	FALSO	4.00	15.74	0.02	2.00	0.00	2.13	0.00	2.25
15.76	1.07	36.07	9.00	1.21	15.76	263.92	148.56	0.67	0.26	1.07	0.25	15.76	1.07	3.22	3.22	FALSO	4.00	15.76	0.02	2.00	0.00	2.12	0.00	2.25
15.78	1.11	35.73	9.00	1.25	15.78	264.27	148.70	0.67	0.26	1.07	0.25	15.78	1.11	3.19	3.19	FALSO	4.00	15.78	0.02	2.00	0.00	2.11	0.00	2.25
15.80	1.15	36.33	9.00	1.28	15.80	264.61	148.85	0.6																

16.62	1.77	42.92	9.00	1.92	16.62	278.94	155.14	0.66	0.26	1.08	0.24	16.62	1.77	2.94	2.94	FALSO	4.00	16.62	0.02	2.00	0.00	1.69	0.00	2.25
16.64	1.75	46.66	9.00	1.90	16.64	279.30	155.30	0.66	0.26	1.08	0.24	16.64	1.75	2.97	2.97	FALSO	4.00	16.64	0.02	2.00	0.00	1.68	0.00	2.25
16.66	1.77	48.95	9.00	1.92	16.66	279.65	155.46	0.66	0.26	1.08	0.24	16.66	1.77	2.98	2.98	FALSO	4.00	16.66	0.02	2.00	0.00	1.67	0.00	2.25
16.68	1.81	51.31	9.00	1.97	16.68	280.01	155.62	0.65	0.26	1.08	0.24	16.68	1.81	2.97	2.97	FALSO	4.00	16.68	0.02	2.00	0.00	1.66	0.00	2.25
16.70	1.91	49.34	9.00	2.06	16.70	280.36	155.78	0.65	0.26	1.08	0.24	16.70	1.91	2.93	2.93	FALSO	4.00	16.70	0.02	2.00	0.00	1.65	0.00	2.25
16.72	1.94	50.14	9.00	2.09	16.72	280.72	155.93	0.65	0.26	1.08	0.24	16.72	1.94	2.92	2.92	FALSO	4.00	16.72	0.02	2.00	0.00	1.64	0.00	2.25
16.74	1.97	50.63	9.00	2.12	16.74	281.07	156.09	0.65	0.26	1.08	0.24	16.74	1.97	2.92	2.92	FALSO	4.00	16.74	0.02	2.00	0.00	1.63	0.00	2.25
16.76	1.97	50.63	9.00	2.12	16.76	281.43	156.25	0.65	0.26	1.08	0.24	16.76	1.97	2.92	2.92	FALSO	4.00	16.76	0.02	2.00	0.00	1.62	0.00	2.25
16.78	1.92	54.46	9.00	2.08	16.78	281.79	156.42	0.65	0.26	1.08	0.24	16.78	1.92	2.95	2.95	FALSO	4.00	16.78	0.02	2.00	0.00	1.61	0.00	2.25
16.80	1.94	54.85	9.00	2.10	16.80	282.14	156.58	0.65	0.26	1.08	0.24	16.80	1.94	2.95	2.95	FALSO	4.00	16.80	0.02	2.00	0.00	1.60	0.00	2.25
16.82	1.97	54.51	9.00	2.14	16.82	282.50	156.74	0.65	0.26	1.09	0.24	16.82	1.97	2.93	2.93	FALSO	4.00	16.82	0.02	2.00	0.00	1.59	0.00	2.25
16.84	2.00	55.00	9.00	2.17	16.84	282.86	156.90	0.65	0.26	1.09	0.24	16.84	2.00	2.92	2.92	FALSO	4.00	16.84	0.02	2.00	0.00	1.58	0.00	2.25
16.86	2.08	52.66	9.00	2.24	16.86	283.22	157.06	0.65	0.26	1.09	0.24	16.86	2.08	2.89	2.89	FALSO	4.00	16.86	0.02	2.00	0.00	1.57	0.00	2.25
16.88	2.02	53.88	9.00	2.18	16.88	283.57	157.22	0.65	0.26	1.09	0.24	16.88	2.02	2.92	2.92	FALSO	4.00	16.88	0.02	2.00	0.00	1.56	0.00	2.25
16.90	2.06	53.60	9.00	2.22	16.90	283.93	157.38	0.65	0.26	1.09	0.24	16.90	2.06	2.90	2.90	FALSO	4.00	16.90	0.02	2.00	0.00	1.55	0.00	2.25
16.92	1.91	49.45	9.00	2.08	16.92	284.29	157.54	0.65	0.26	1.08	0.24	16.92	1.91	2.93	2.93	FALSO	4.00	16.92	0.02	2.00	0.00	1.54	0.00	2.25
16.94	1.96	47.25	9.00	2.14	16.94	284.64	157.70	0.65	0.26	1.08	0.24	16.94	1.96	2.90	2.90	FALSO	4.00	16.94	0.02	2.00	0.00	1.53	0.00	2.25
16.96	2.04	48.67	9.00	2.26	16.96	285.00	157.86	0.65	0.26	1.09	0.24	16.96	2.04	2.87	2.87	FALSO	4.00	16.96	0.02	2.00	0.00	1.52	0.00	2.25
16.98	2.02	48.19	9.00	2.23	16.98	285.35	158.02	0.65	0.26	1.09	0.24	16.98	2.02	2.88	2.88	FALSO	4.00	16.98	0.02	2.00	0.00	1.51	0.00	2.25
17.00	1.95	51.53	9.00	2.15	17.00	285.71	158.18	0.65	0.26	1.08	0.24	17.00	1.95	2.92	2.92	FALSO	4.00	17.00	0.02	2.00	0.00	1.50	0.00	2.25
17.02	1.90	50.39	9.00	2.10	17.02	286.06	158.34	0.65	0.26	1.08	0.24	17.02	1.90	2.93	2.93	FALSO	4.00	17.02	0.02	2.00	0.00	1.49	0.00	2.25
17.04	1.84	49.30	9.00	2.04	17.04	286.42	158.50	0.65	0.26	1.08	0.24	17.04	1.84	2.95	2.95	FALSO	4.00	17.04	0.02	2.00	0.00	1.48	0.00	2.25
17.06	1.77	50.07	9.00	1.97	17.06	286.77	158.65	0.65	0.26	1.08	0.24	17.06	1.77	2.97	2.97	FALSO	4.00	17.06	0.02	2.00	0.00	1.47	0.00	2.25
17.08	1.75	45.59	9.00	1.96	17.08	287.13	158.81	0.65	0.26	1.08	0.24	17.08	1.75	2.95	2.95	FALSO	4.00	17.08	0.02	2.00	0.00	1.46	0.00	2.25
17.10	1.79	43.22	9.00	2.01	17.10	287.48	158.97	0.65	0.26	1.08	0.24	17.10	1.79	2.93	2.93	FALSO	4.00	17.10	0.02	2.00	0.00	1.45	0.00	2.25
17.12	1.87	40.51	9.00	2.10	17.12	287.83	159.12	0.65	0.26	1.08	0.24	17.12	1.87	2.88	2.88	FALSO	4.00	17.12	0.02	2.00	0.00	1.44	0.00	2.25
17.14	2.00	36.54	9.00	2.23	17.14	288.18	159.27	0.65	0.26	1.08	0.24	17.14	2.00	2.81	2.81	FALSO	4.00	17.14	0.02	2.00	0.00	1.43	0.00	2.25
17.16	2.12	38.71	9.00	2.36	17.16	288.53	159.43	0.64	0.26	1.09	0.24	17.16	2.12	2.79	2.79	FALSO	4.00	17.16	0.02	2.00	0.00	1.42	0.00	2.25
17.18	2.13	39.36	9.00	2.37	17.18	288.88	159.58	0.64	0.26	1.09	0.24	17.18	2.13	2.79	2.79	FALSO	4.00	17.18	0.02	2.00	0.00	1.41	0.00	2.25
17.20	2.25	36.19	9.00	2.47	17.20	289.23	159.74	0.64	0.26	1.09	0.24	17.20	2.25	2.74	2.74	FALSO	4.00	17.20	0.02	2.00	0.00	1.40	0.00	2.25
17.22	2.14	35.22	9.00	2.35	17.22	289.58	159.89	0.64	0.26	1.09	0.24	17.22	2.14	2.77	2.77	FALSO	4.00	17.22	0.02	2.00	0.00	1.39	0.00	2.25
17.24	2.04	35.94	9.00	2.19	17.24	289.92	160.04	0.64	0.26	1.08	0.24	17.24	2.04	2.82	2.82	FALSO	4.00	17.24	0.02	2.00	0.00	1.38	0.00	2.25
17.26	1.89	38.96	9.00	2.05	17.26	290.27	160.19	0.64	0.26	1.08	0.24	17.26	1.89	2.89	2.89	FALSO	4.00	17.26	0.02	2.00	0.00	1.37	0.00	2.25
17.28	1.80	39.33	9.00	1.95	17.28	290.62	160.35	0.64	0.26	1.08	0.24	17.28	1.80	2.93	2.93	FALSO	4.00	17.28	0.02	2.00	0.00	1.36	0.00	2.25
17.30	1.67	40.70	9.00	1.81	17.30	290.97	160.50	0.64	0.26	1.08	0.24	17.30	1.67	2.99	2.99	FALSO	4.00	17.30	0.02	2.00	0.00	1.35	0.00	2.25
17.32	1.52	43.59	9.00	1.66	17.32	291.32	160.65	0.64	0.26	1.08	0.24	17.32	1.52	3.07	3.07	FALSO	4.00	17.32	0.02	2.00	0.00	1.34	0.00	2.25
17.34	1.43	45.76	9.00	1.56	17.34	291.67	160.81	0.64	0.26	1.08	0.24	17.34	1.43	3.13	3.13	FALSO	4.00	17.34	0.02	2.00	0.00	1.33	0.00	2.25
17.36	1.46	42.41	9.00	1.60	17.36	292.02	160.96	0.64	0.26	1.08	0.24	17.36	1.46	3.09	3.09	FALSO	4.00	17.36	0.02	2.00	0.00	1.32	0.00	2.25
17.38	1.52	37.84	9.00	1.67	17.38	292.37	161.11	0.64	0.26	1.08	0.24	17.38	1.52	3.03	3.03	FALSO	4.00	17.38	0.02	2.00	0.00	1.31	0.00	2.25
17.40	1.62	32.59	9.00	1.77	17.40	292.72	161.26	0.64	0.26	1.08	0.24	17.40	1.62	2.95	2.95	FALSO	4.00	17.40	0.02	2.00	0.00	1.30	0.00	2.25
17.42	1.74	28.39	9.00	1.89	17.42	293.06	161.41	0.64	0.26	1.08	0.24	17.42	1.74	2.88	2.88	FALSO	4.00	17.42	0.02	2.00	0.00	1.29	0.00	2.25
17.44	1.80	25.05	9.00	1.91	17.44	293.40	161.55	0.64	0.26	1.08	0.24	17.44	1.80	2.84	2.84	FALSO	4.00	17.44	0.02	2.00	0.00	1.28	0.00	2.25
17.46	1.84	21.54	9.00	1.94	17.46	293.73	161.69	0.64	0.26	1.08	0.24	17.46	1.84	2.80	2.80	FALSO	4.00	17.46	0.02	2.00	0.00	1.27	0.00	2.25
17.48	1.84	19.31	9.00	1.94	17.48	294.06	161.83	0.64	0.26	1.08	0.24	17.48	1.84	2.78	2.78	FALSO	4.00	17.48	0.02	2.00	0.00	1.26	0.00	2.25
17.50	1.88	22.05	9.00	1.97	17.50	294.40	161.97	0.64	0.26	1.08	0.24	17.50	1.88	2.80	2.80	FALSO	4.00	17.50	0.02	2.00	0.00	1.25	0.00	2.25
17.52	1.82	24.50	9.00	1.91	17.52	294.74	162.11	0.64	0.26	1.08	0.24	17.52	1.82	2.84	2.84	FALSO	4.00	17.52	0.02	2.00	0.00	1.24	0.00	2.25
17.54	1.81	24.65	9.00	1.91	17.54	295.08	162.25	0.64	0.26	1.08	0.24	17.54	1.81	2.84	2.84	FALSO	4.00	17.54	0.02	2.00	0.00	1.23	0.00	2.25
17.56	1.94	25.88	9.00	2.04	17.56	295.42	162.39	0.64	0.26	1.08	0.24	17.56	1.94	2.81	2.81	FALSO	4.00	17.56	0.02	2.00	0.00	1.22	0.00	2.25
17.58	2.06	27.56	9.00	2.17	17.58	295.76	162.54	0.64	0.26	1.08	0.24	17.58	2.06	2.78	2.78	FALSO	4.00	17.58	0.02	2.00	0.00	1.21	0.00	2.25
17.60	2.19	29.76	9.00	2.30	17.60	296.10	162.69	0.64	0.26	1.09	0.24	17.60	2.19	2.75	2.75	FALSO	4.00	17.60	0.02	2.00	0.00	1.20	0.00	2.25
17.62	2.40	33.38	9.00	2.48	17.62	296.45	162.84	0.64	0.26	1.09	0.23	17.62	2.40	2.73	2.73	FALSO	4.00	17.62	0.02	2.00	0.00	1.19	0.00	2.25
17.64	2.50	37.41	9.00	2.53	17.64	296.80	162.99	0.64	0.26	1.09	0.23	17.64	2.50	2.74	2.74	FALSO	4.00	17.64	0.02	2.00	0.00	1.18	0.00	2.25
17.66	2.49	37.81	9.00	2.52	17.66	297.15	163.15	0.6																

18.48	2.06	116.07	9.00	2.17	18.48	312.37	170.32	0.62	0.25	1.09	0.23	18.48	2.06	3.16	3.16	FALSO	4.00	18.48	0.02	2.00	0.00	0.76	0.00	2.25
18.50	2.06	108.75	9.00	2.17	18.50	312.75	170.50	0.62	0.25	1.09	0.23	18.50	2.06	3.14	3.14	FALSO	4.00	18.50	0.02	2.00	0.00	0.75	0.00	2.25
18.52	2.08	102.64	9.00	2.19	18.52	313.12	170.68	0.62	0.25	1.09	0.23	18.52	2.08	3.12	3.12	FALSO	4.00	18.52	0.02	2.00	0.00	0.74	0.00	2.25
18.54	2.13	104.65	9.00	2.24	18.54	313.49	170.85	0.62	0.25	1.09	0.23	18.54	2.13	3.11	3.11	FALSO	4.00	18.54	0.02	2.00	0.00	0.73	0.00	2.25
18.56	2.17	108.97	9.00	2.27	18.56	313.86	171.03	0.62	0.25	1.09	0.23	18.56	2.17	3.11	3.11	FALSO	4.00	18.56	0.02	2.00	0.00	0.72	0.00	2.25
18.58	2.17	111.03	9.00	2.28	18.58	314.24	171.21	0.62	0.25	1.09	0.23	18.58	2.17	3.11	3.11	FALSO	4.00	18.58	0.02	2.00	0.00	0.71	0.00	2.25
18.60	2.21	103.14	9.00	2.32	18.60	314.61	171.39	0.62	0.25	1.09	0.23	18.60	2.21	3.08	3.08	FALSO	4.00	18.60	0.02	2.00	0.00	0.70	0.00	2.25
18.62	2.21	102.23	9.00	2.32	18.62	314.98	171.56	0.62	0.25	1.09	0.23	18.62	2.21	3.08	3.08	FALSO	4.00	18.62	0.02	2.00	0.00	0.69	0.00	2.25
18.64	2.28	101.86	9.00	2.39	18.64	315.36	171.74	0.62	0.25	1.09	0.23	18.64	2.28	3.06	3.06	FALSO	4.00	18.64	0.02	2.00	0.00	0.68	0.00	2.25
18.66	2.30	104.02	9.00	2.42	18.66	315.73	171.92	0.62	0.25	1.09	0.23	18.66	2.30	3.06	3.06	FALSO	4.00	18.66	0.02	2.00	0.00	0.67	0.00	2.25
18.68	2.35	97.38	9.00	2.47	18.68	316.10	172.09	0.61	0.25	1.09	0.23	18.68	2.35	3.02	3.02	FALSO	4.00	18.68	0.02	2.00	0.00	0.66	0.00	2.25
18.70	2.38	90.61	9.00	2.50	18.70	316.47	172.27	0.61	0.25	1.09	0.23	18.70	2.38	3.00	3.00	FALSO	4.00	18.70	0.02	2.00	0.00	0.65	0.00	2.25
18.72	2.34	91.70	9.00	2.47	18.72	316.84	172.44	0.61	0.25	1.09	0.23	18.72	2.34	3.01	3.01	FALSO	4.00	18.72	0.02	2.00	0.00	0.64	0.00	2.25
18.74	2.27	94.92	9.00	2.40	18.74	317.22	172.62	0.61	0.25	1.09	0.23	18.74	2.27	3.04	3.04	FALSO	4.00	18.74	0.02	2.00	0.00	0.63	0.00	2.25
18.76	2.22	93.58	9.00	2.34	18.76	317.59	172.79	0.61	0.25	1.09	0.23	18.76	2.22	3.05	3.05	FALSO	4.00	18.76	0.02	2.00	0.00	0.62	0.00	2.25
18.78	2.10	98.38	9.00	2.21	18.78	317.96	172.97	0.61	0.25	1.09	0.23	18.78	2.10	3.11	3.11	FALSO	4.00	18.78	0.02	2.00	0.00	0.61	0.00	2.25
18.80	2.10	100.26	9.00	2.23	18.80	318.33	173.14	0.61	0.25	1.09	0.23	18.80	2.10	3.11	3.11	FALSO	4.00	18.80	0.02	2.00	0.00	0.60	0.00	2.25
18.82	2.26	98.18	9.00	2.40	18.82	318.70	173.32	0.61	0.25	1.09	0.23	18.82	2.26	3.05	3.05	FALSO	4.00	18.82	0.02	2.00	0.00	0.59	0.00	2.25
18.84	2.31	90.75	9.00	2.46	18.84	319.07	173.49	0.61	0.25	1.09	0.23	18.84	2.31	3.01	3.01	FALSO	4.00	18.84	0.02	2.00	0.00	0.58	0.00	2.25
18.86	2.25	80.56	9.00	2.39	18.86	319.44	173.66	0.61	0.25	1.09	0.23	18.86	2.25	3.00	3.00	FALSO	4.00	18.86	0.02	2.00	0.00	0.57	0.00	2.25
18.88	2.26	76.27	9.00	2.41	18.88	319.81	173.83	0.61	0.25	1.09	0.23	18.88	2.26	2.98	2.98	FALSO	4.00	18.88	0.02	2.00	0.00	0.56	0.00	2.25
18.90	2.35	70.96	9.00	2.52	18.90	320.17	174.00	0.61	0.25	1.09	0.23	18.90	2.35	2.93	2.93	FALSO	4.00	18.90	0.02	2.00	0.00	0.55	0.00	2.25
18.92	2.34	71.42	9.00	2.51	18.92	320.54	174.17	0.61	0.25	1.09	0.23	18.92	2.34	2.94	2.94	FALSO	4.00	18.92	0.02	2.00	0.00	0.54	0.00	2.25
18.94	2.42	65.28	9.00	2.58	18.94	320.90	174.34	0.61	0.25	1.09	0.23	18.94	2.42	2.90	2.90	FALSO	4.00	18.94	0.02	2.00	0.00	0.53	0.00	2.25
18.96	2.34	75.71	9.00	2.48	18.96	321.26	174.51	0.61	0.25	1.09	0.23	18.96	2.34	2.96	2.96	FALSO	4.00	18.96	0.02	2.00	0.00	0.52	0.00	2.25
18.98	2.42	80.50	9.00	2.58	18.98	321.63	174.68	0.61	0.25	1.09	0.23	18.98	2.42	2.95	2.95	FALSO	4.00	18.98	0.02	2.00	0.00	0.51	0.00	2.25
19.00	2.45	84.62	9.00	2.63	19.00	322.00	174.85	0.61	0.25	1.09	0.23	19.00	2.45	2.95	2.95	FALSO	4.00	19.00	0.02	2.00	0.00	0.50	0.00	2.25
19.02	2.54	81.19	9.00	2.73	19.02	322.37	175.02	0.61	0.25	1.09	0.23	19.02	2.54	2.91	2.91	FALSO	4.00	19.02	0.02	2.00	0.00	0.49	0.00	2.25
19.04	2.54	83.99	9.00	2.73	19.04	322.74	175.20	0.61	0.25	1.09	0.23	19.04	2.54	2.92	2.92	FALSO	4.00	19.04	0.02	2.00	0.00	0.48	0.00	2.25
19.06	2.59	85.07	9.00	2.77	19.06	323.11	175.37	0.61	0.25	1.09	0.23	19.06	2.59	2.92	2.92	FALSO	4.00	19.06	0.02	2.00	0.00	0.47	0.00	2.25
19.08	2.47	88.36	9.00	2.65	19.08	323.48	175.55	0.61	0.25	1.09	0.23	19.08	2.47	2.96	2.96	FALSO	4.00	19.08	0.02	2.00	0.00	0.46	0.00	2.25
19.10	2.38	91.24	9.00	2.55	19.10	323.85	175.72	0.61	0.25	1.09	0.23	19.10	2.38	2.99	2.99	FALSO	4.00	19.10	0.02	2.00	0.00	0.45	0.00	2.25
19.12	2.31	93.21	9.00	2.48	19.12	324.22	175.89	0.61	0.25	1.09	0.23	19.12	2.31	3.02	3.02	FALSO	4.00	19.12	0.02	2.00	0.00	0.44	0.00	2.25
19.14	2.21	94.01	9.00	2.37	19.14	324.59	176.07	0.61	0.25	1.09	0.23	19.14	2.21	3.05	3.05	FALSO	4.00	19.14	0.02	2.00	0.00	0.43	0.00	2.25
19.16	2.15	92.41	9.00	2.32	19.16	324.96	176.24	0.61	0.25	1.09	0.23	19.16	2.15	3.06	3.06	FALSO	4.00	19.16	0.02	2.00	0.00	0.42	0.00	2.25
19.18	2.06	90.61	9.00	2.24	19.18	325.33	176.42	0.61	0.25	1.08	0.23	19.18	2.06	3.09	3.09	FALSO	4.00	19.18	0.02	2.00	0.00	0.41	0.00	2.25
19.20	2.07	81.61	9.00	2.24	19.20	325.70	176.59	0.61	0.25	1.08	0.23	19.20	2.07	3.06	3.06	FALSO	4.00	19.20	0.02	2.00	0.00	0.40	0.00	2.25
19.22	2.08	77.93	9.00	2.26	19.22	326.07	176.76	0.60	0.25	1.08	0.23	19.22	2.08	3.04	3.04	FALSO	4.00	19.22	0.02	2.00	0.00	0.39	0.00	2.25
19.24	2.12	74.96	9.00	2.25	19.24	326.43	176.93	0.60	0.25	1.09	0.23	19.24	2.12	3.03	3.03	FALSO	4.00	19.24	0.02	2.00	0.00	0.38	0.00	2.25
19.26	2.21	73.98	9.00	2.32	19.26	326.80	177.10	0.60	0.25	1.09	0.23	19.26	2.21	3.01	3.01	FALSO	4.00	19.26	0.02	2.00	0.00	0.37	0.00	2.25
19.28	2.23	81.04	9.00	2.32	19.28	327.16	177.27	0.60	0.25	1.09	0.23	19.28	2.23	3.03	3.03	FALSO	4.00	19.28	0.02	2.00	0.00	0.36	0.00	2.25
19.30	2.20	88.12	9.00	2.29	19.30	327.53	177.44	0.60	0.25	1.09	0.23	19.30	2.20	3.06	3.06	FALSO	4.00	19.30	0.02	2.00	0.00	0.35	0.00	2.25
19.32	2.24	88.06	9.00	2.33	19.32	327.90	177.61	0.60	0.25	1.09	0.23	19.32	2.24	3.05	3.05	FALSO	4.00	19.32	0.02	2.00	0.00	0.34	0.00	2.25
19.34	2.26	91.51	9.00	2.35	19.34	328.27	177.79	0.60	0.25	1.09	0.23	19.34	2.26	3.06	3.06	FALSO	4.00	19.34	0.02	2.00	0.00	0.33	0.00	2.25
19.36	2.31	95.00	9.00	2.40	19.36	328.64	177.96	0.60	0.25	1.09	0.23	19.36	2.31	3.05	3.05	FALSO	4.00	19.36	0.02	2.00	0.00	0.32	0.00	2.25
19.38	2.30	102.33	9.00	2.39	19.38	329.02	178.14	0.60	0.25	1.09	0.23	19.38	2.30	3.08	3.08	FALSO	4.00	19.38	0.02	2.00	0.00	0.31	0.00	2.25
19.40	2.26	105.36	9.00	2.34	19.40	329.39	178.32	0.60	0.25	1.09	0.23	19.40	2.26	3.10	3.10	FALSO	4.00	19.40	1.02	2.00	0.00	0.30	0.00	2.25
19.42	2.14	109.36	9.00	2.21	19.42	329.76	178.49	0.60	0.25	1.09	0.23	19.42	2.14	3.15	3.15	FALSO	4.00	19.42	0.02	2.00	0.00	0.29	0.00	2.25
19.44	2.09	108.17	9.00	2.15	19.44	330.14	178.67	0.60	0.25	1.08	0.23	19.44	2.09	3.17	3.17	FALSO	4.00	19.44	2.02	2.00	0.00	0.28	0.00	2.25
19.46	2.05	102.69	9.00	2.09	19.46	330.51	178.85	0.60	0.25	1.08	0.23	19.46	2.05	3.17	3.17	FALSO	4.00	19.46	0.02	2.00	0.00	0.27	0.00	2.25
19.48	2.02	99.39	9.00	2.06	19.48	330.88	179.02	0.60	0.25	1.08	0.23	19.48	2.02	3.18	3.18	FALSO	4.00	19.48	3.02	2.00	0.00	0.26	0.00	2.25
19.50	1.98	96.76	9.00	2.02	19.50	331.25	179.20	0.60	0.24	1.08	0.23	19.50	1.98	3.18	3.18	FALSO	4.00	19.50	0.02	2.00	0.00	0.25	0.00	2.25
19.52	1.97	93.39	9.00	2.01	19.52	331.62																		



GEO GROUP Srl



Allegato n.2

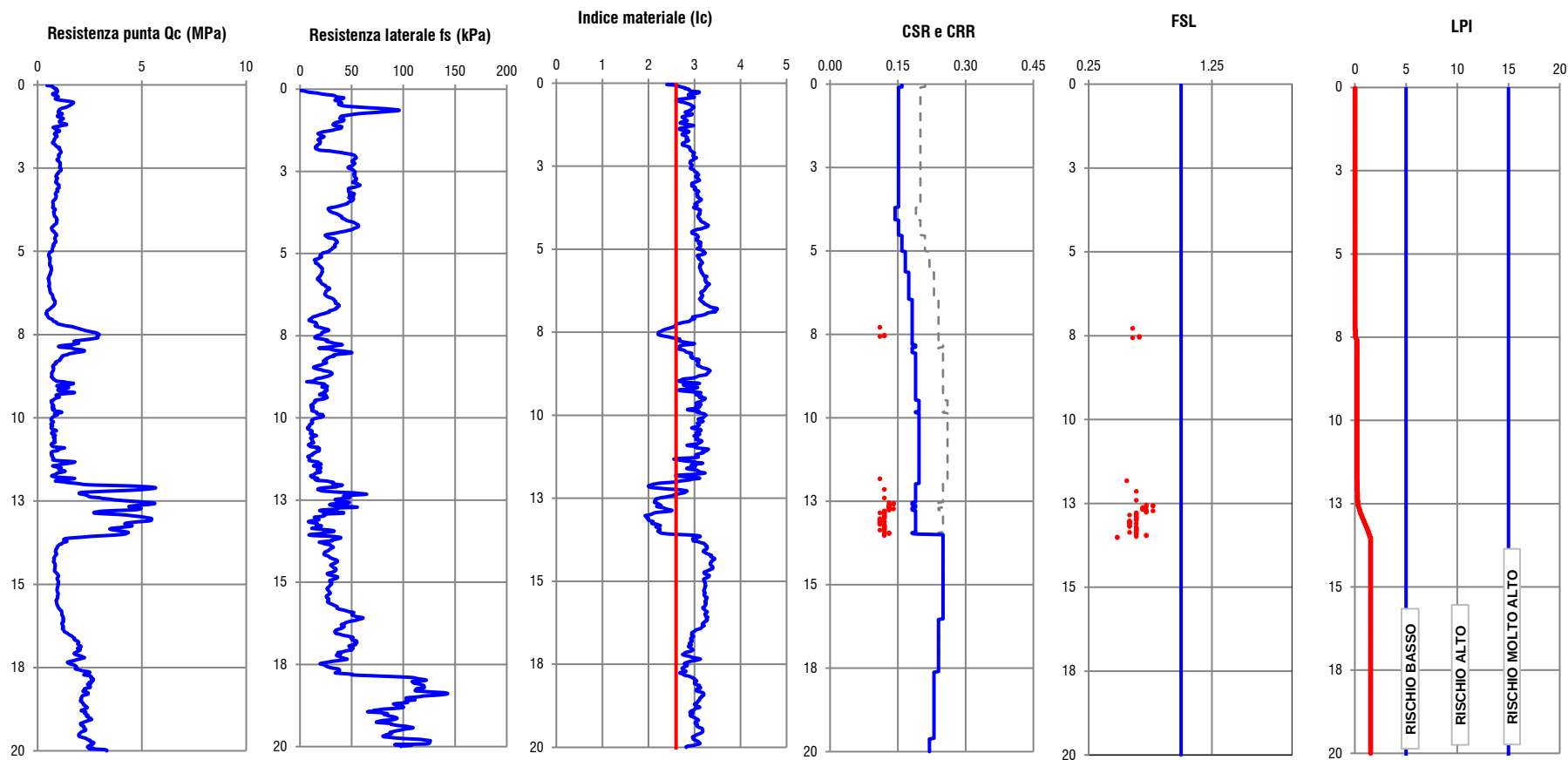
Dimensionamento intervento di mitigazione del rischio di liquefazione

DIMENSIONAMENTO COLONNE DI GHIAIA E ANALISI DELLA LIQUEFAZIONE POST INTERVENTO

LPI

1.52

Passo maglia quadrata (m) 2.50 (area griglia m²) 6.25 Fs riferimento 1.00
DIAMETRO COLONNE (m) 0.70
PROFONDITA' COLONNE (m) 13.50
ANGOLO D'ATTRITO GHIAIA (°) 45.0



ANALISI DELLA LIQUEFAZIONE POST-CONSOLIDAMENTO

Dati di input					Azione sismica di riferimento (CSR)									Resistenza ciclica mobilitata (CRR)						Indice di potenziale liquefazione (LPI)						
PROF.	q _c	F _s (kPa)	γ (kN/m3)	FC	PROF.	σ _v	σ' _v	rd	CSR _{7.5}	MSF	CSR _{eq}	α	CSR*	PROF.	q _c	I _c	K _c	Liq?	CSR _{7.5}	PROF.	dz	FSL	F _L	w (z)	LPI	Σ LPI
[m]	[MPa]	[kPa]	[kN/m³]	[%]	[m]	[MPa]	[MPa]	[-]	[-]	[-]	[-]	[-]	[-]	[m]	[MPa]	[-]	[-]	[-]	[-]	[m]	[m]	[-]	[-]	[-]	[-]	[-]
0.02	0.45	0.24	19.00	0.45	0.02	0.27	0.27	1.00	0.22	1.07	0.21	0.76	0.16	0.02	0.45	2.59	2.59	FALSO	4.00	0.02	0.02	2.00	0.00	9.99	0.00	0.00
0.04	0.71	0.81	19.00	0.71	0.04	0.55	0.55	1.00	0.22	1.07	0.21	0.76	0.16	0.04	0.71	2.40	2.40	FALSO	4.00	0.04	0.02	2.00	0.00	9.98	0.00	0.00
0.06	0.73	4.81	19.00	0.73	0.06	0.84	0.84	1.00	0.22	1.08	0.21	0.76	0.16	0.06	0.73	2.60	2.60	FALSO	4.00	0.06	0.02	2.00	0.00	9.97	0.00	0.00
0.08	0.75	6.58	19.00	0.75	0.08	1.14	1.14	1.00	0.22	1.08	0.21	0.76	0.16	0.08	0.75	2.63	2.63	FALSO	4.00	0.08	0.02	2.00	0.00	9.96	0.00	0.00
0.10	0.82	10.66	19.00	0.82	0.10	1.46	1.46	1.00	0.22	1.08	0.20	0.76	0.15	0.10	0.82	2.68	2.68	FALSO	4.00	0.10	0.02	2.00	0.00	9.95	0.00	0.00
0.12	0.90	16.75	19.00	0.90	0.12	1.78	1.78	1.00	0.22	1.08	0.20	0.76	0.15	0.12	0.90	2.73	2.73	FALSO	4.00	0.12	0.02	2.00	0.00	9.94	0.00	0.00
0.14	0.85	20.00	19.00	0.86	0.14	2.11	2.11	1.00	0.22	1.08	0.20	0.76	0.15	0.14	0.85	2.80	2.80	FALSO	4.00	0.14	0.02	2.00	0.00	9.93	0.00	0.00
0.16	0.94	23.97	19.00	0.95	0.16	2.44	2.44	1.00	0.22	1.08	0.20	0.76	0.15	0.16	0.94	2.79	2.79	FALSO	4.00	0.16	0.02	2.00	0.00	9.92	0.00	0.00
0.18	0.90	30.25	19.00	0.90	0.18	2.78	2.78	1.00	0.22	1.08	0.20	0.76	0.15	0.18	0.90	2.88	2.88	FALSO	4.00	0.18	0.02	2.00	0.00	9.91	0.00	0.00
0.20	0.95	33.60	19.00	0.96	0.20	3.12	3.12	1.00	0.22	1.09	0.20	0.76	0.15	0.20	0.95	2.87	2.87	FALSO	4.00	0.20	0.02	2.00	0.00	9.90	0.00	0.00
0.22	0.93	34.51	19.00	0.93	0.22	3.46	3.46	1.00	0.22	1.09	0.20	0.76	0.15	0.22	0.93	2.90	2.90	FALSO	4.00	0.22	0.02	2.00	0.00	9.89	0.00	0.00
0.24	0.90	36.40	19.00	0.90	0.24	3.80	3.80	1.00	0.22	1.08	0.20	0.76	0.15	0.24	0.90	2.93	2.93	FALSO	4.00	0.24	0.02	2.00	0.00	9.88	0.00	0.00
0.26	0.74	42.25	19.00	0.73	0.26	4.14	4.14	1.00	0.22	1.08	0.20	0.76	0.15	0.26	0.74	3.10	3.10	FALSO	4.00	0.26	0.02	2.00	0.00	9.87	0.00	0.00
0.28	0.72	41.80	19.00	0.72	0.28	4.49	4.49	1.00	0.22	1.08	0.20	0.76	0.15	0.28	0.72	3.10	3.10	FALSO	4.00	0.28	0.02	2.00	0.00	9.86	0.00	0.00
0.30	0.76	39.63	19.00	0.75	0.30	4.83	4.83	1.00	0.22	1.08	0.20	0.76	0.15	0.30	0.76	3.06	3.06	FALSO	4.00	0.30	0.02	2.00	0.00	9.85	0.00	0.00
0.32	0.88	34.44	19.00	0.88	0.32	5.17	5.17	1.00	0.22	1.08	0.20	0.76	0.15	0.32	0.88	2.93	2.93	FALSO	4.00	0.32	0.02	2.00	0.00	9.84	0.00	0.00
0.34	0.96	33.81	19.00	0.96	0.34	5.51	5.51	1.00	0.22	1.09	0.20	0.76	0.15	0.34	0.96	2.87	2.87	FALSO	4.00	0.34	0.02	2.00	0.00	9.83	0.00	0.00
0.36	0.99	36.18	19.00	0.98	0.36	5.85	5.85	1.00	0.22	1.09	0.20	0.76	0.15	0.36	0.99	2.87	2.87	FALSO	4.00	0.36	0.02	2.00	0.00	9.82	0.00	0.00
0.38	0.91	37.78	19.00	0.91	0.38	6.19	6.19	1.00	0.22	1.09	0.20	0.76	0.15	0.38	0.91	2.93	2.93	FALSO	4.00	0.38	0.02	2.00	0.00	9.81	0.00	0.00
0.40	0.86	39.10	19.00	0.86	0.40	6.54	6.54	1.00	0.22	1.08	0.20	0.76	0.15	0.40	0.86	2.98	2.98	FALSO	4.00	0.40	0.02	2.00	0.00	9.80	0.00	0.00
0.42	0.85	40.39	19.00	0.84	0.42	6.88	6.88	1.00	0.22	1.08	0.20	0.76	0.15	0.42	0.85	3.00	3.00	FALSO	4.00	0.42	0.02	2.00	0.00	9.79	0.00	0.00
0.44	0.91	39.79	19.00	0.90	0.44	7.22	7.22	1.00	0.22	1.09	0.20	0.76	0.15	0.44	0.91	2.95	2.95	FALSO	4.00	0.44	0.02	2.00	0.00	9.78	0.00	0.00
0.46	1.10	37.25	19.00	1.09	0.46	7.57	7.57	1.00	0.22	1.09	0.20	0.76	0.15	0.46	1.10	2.82	2.82	FALSO	4.00	0.46	0.02	2.00	0.00	9.77	0.00	0.00
0.48	1.36	38.59	19.00	1.36	0.48	7.91	7.91	1.00	0.22	1.10	0.20	0.76	0.15	0.48	1.36	2.69	2.69	FALSO	4.00	0.48	0.02	2.00	0.00	9.76	0.00	0.00
0.50	1.57	40.85	19.00	1.57	0.50	8.26	8.26	1.00	0.22	1.11	0.20	0.76	0.15	0.50	1.57	2.62	2.62	FALSO	4.00	0.50	0.02	2.00	0.00	9.75	0.00	0.00
0.52	1.71	45.22	19.00	1.70	0.52	8.61	8.61	1.00	0.22	1.11	0.20	0.76	0.15	0.52	1.71	2.60	2.60	FALSO	4.00	0.52	0.02	2.00	0.00	9.74	0.00	0.00
0.54	1.72	54.22	19.00	1.71	0.54	8.97	8.97	1.00	0.22	1.11	0.20	0.76	0.15	0.54	1.72	2.65	2.65	FALSO	4.00	0.54	0.02	2.00	0.00	9.73	0.00	0.00
0.56	1.68	63.73	19.00	1.67	0.56	9.33	9.33	1.00	0.22	1.11	0.20	0.76	0.15	0.56	1.68	2.71	2.71	FALSO	4.00	0.56	0.02	2.00	0.00	9.72	0.00	0.00
0.58	1.65	75.09	19.00	1.64	0.58	9.69	9.69	1.00	0.22	1.11	0.20	0.76	0.15	0.58	1.65	2.77	2.77	FALSO	4.00	0.58	0.02	2.00	0.00	9.71	0.00	0.00
0.60	1.59	84.40	19.00	1.59	0.60	10.06	10.06	1.00	0.22	1.11	0.20	0.76	0.15	0.60	1.59	2.82	2.82	FALSO	4.00	0.60	0.02	2.00	0.00	9.70	0.00	0.00
0.62	1.54	91.11	19.00	1.53	0.62	10.42	10.42	1.00	0.22	1.11	0.20	0.76	0.15	0.62	1.54	2.87	2.87	FALSO	4.00	0.62	0.02	2.00	0.00	9.69	0.00	0.00
0.64	1.47	96.03	19.00	1.47	0.64	10.79	10.79	1.00	0.22	1.11	0.20	0.76	0.15	0.64	1.47	2.91	2.91	FALSO	4.00	0.64	0.02	2.00	0.00	9.68	0.00	0.00
0.66	1.42	93.03	19.00	1.41	0.66	11.16	11.16	1.00	0.22	1.10	0.20	0.76	0.15	0.66	1.42	2.92	2.92	FALSO	4.00	0.66	0.02	2.00	0.00	9.67	0.00	0.00
0.68	1.31	85.09	19.00	1.30	0.68	11.52	11.52	1.00	0.22	1.10	0.20	0.76	0.15	0.68	1.31	2.95	2.95	FALSO	4.00	0.68	0.02	2.00	0.00	9.66	0.00	0.00
0.70	1.18	76.73	19.00	1.17	0.70	11.88	11.88	1.00	0.22	1.09	0.20	0.76	0.15	0.70	1.18	2.98	2.98	FALSO	4.00	0.70	0.02	2.00	0.00	9.65	0.00	0.00
0.72	1.11	67.62	19.00	1.10	0.72	12.24	12.24	1.00	0.22	1.09	0.20	0.76	0.15	0.72	1.11	2.99	2.99	FALSO	4.00	0.72	0.02	2.00	0.00	9.64	0.00	0.00
0.74	1.04	58.79	19.00	1.04	0.74	12.59	12.59	1.00	0.22	1.09	0.20	0.76	0.15	0.74	1.04	2.98	2.98	FALSO	4.00	0.74	0.02	2.00	0.00	9.63	0.00	0.00
0.76	1.05	53.00	19.00	1.04	0.76	12.95	12.95	1.00	0.22	1.09	0.20	0.76	0.15	0.76	1.05	2.95	2.95	FALSO	4.00	0.76	0.02	2.00	0.00	9.62	0.00	0.00
0.78	1.02	48.86	19.00	1.02	0.78	13.30	13.30	1.00	0.22	1.09	0.20	0.76	0.15	0.78	1.02	2.94	2.94	FALSO	4.00	0.78	0.02	2.00	0.00	9.61	0.00	0.00
0.80	0.99	44.89	19.00	0.99	0.80	13.64	13.64	1.00	0.22	1.09	0.20	0.76	0.15	0.80	0.99	2.93	2.93	FALSO	4.00	0.80	0.02	2.00	0.00	9.60	0.00	0.00
0.82	1.01	40.18	19.00	1.01	0.82	13.99	13.99	1.00	0.22	1.09	0.20	0.76	0.15	0.82	1.01	2.89	2.89	FALSO	4.00	0.82	0.02	2.00	0.00	9.59	0.00	0.00
0.84	1.01	39.38	19.00	1.01	0.84	14.33	14.33	1.00	0.22	1.09	0.20	0.76	0.15	0.84	1.01	2.89	2.89	FALSO	4.00	0.84	0.02	2.00	0.00	9.58	0.00	0.00
0.86	1.17	41.37	19.00	1.16	0.86	14.68	14.68	1.00	0.22	1.09	0.20	0.76	0.15	0.86	1.17	2.81	2.81	FALSO	4.00	0.86	0.02	2.00	0.00	9.57	0.00	0.00
0.88	1.17	38.42	19.00	1.16	0.88	15.02	15.02	1.00	0.22	1.09	0.20	0.76	0.15	0.88	1.17	2.80	2.80	FALSO	4.00	0.88	0.02	2.00	0.00	9.56	0.00	0.00
0.90	1.06	39.28	19.00	1.05	0.90	15.37	15.37	1.00	0.22	1.09	0.20	0.76	0.15	0.90	1.06	2.86	2.86	FALSO	4.00	0.90	0.02	2.00	0.00	9.55	0.00	0.00
0.92	0.96	42.37	19.00	0.95	0.92	15.71	15.71	1.00	0.22	1.09	0.20	0.76	0.15	0.92	0.96	2.94	2.94	FALSO	4.00	0.92	0.02	2.00	0.00	9.54	0.00	0.00
0.94	0.95	42.28	19.00	0.94	0.94	16.06	16.06	1.00	0.22	1.09	0.20	0.76	0.15	0.94	0.95	2.95	2.95	FALSO	4.00	0.94	0.02	2.00	0.00	9.		

1.14	1.10	40.26	19.00	1.11	1.14	19.49	19.49	0.99	0.22	1.09	0.20	0.76	0.15	1.14	1.10	2.84	2.84	FALSO	4.00	1.14	0.02	2.00	0.00	9.43	0.00	0.00
1.16	1.24	40.09	19.00	1.24	1.16	19.83	19.83	0.99	0.22	1.09	0.20	0.76	0.15	1.16	1.24	2.76	2.76	FALSO	4.00	1.16	0.02	2.00	0.00	9.42	0.00	0.00
1.18	1.38	39.95	19.00	1.38	1.18	20.18	20.18	0.99	0.22	1.10	0.20	0.76	0.15	1.18	1.38	2.70	2.70	FALSO	4.00	1.18	0.02	2.00	0.00	9.41	0.00	0.00
1.20	1.38	38.32	19.00	1.38	1.20	20.53	20.53	0.99	0.22	1.10	0.20	0.76	0.15	1.20	1.38	2.69	2.69	FALSO	4.00	1.20	0.02	2.00	0.00	9.40	0.00	0.00
1.22	1.17	34.52	19.00	1.17	1.22	20.87	20.87	0.99	0.22	1.09	0.20	0.76	0.15	1.22	1.17	2.76	2.76	FALSO	4.00	1.22	0.02	2.00	0.00	9.39	0.00	0.00
1.24	1.06	32.95	19.00	1.06	1.24	21.21	21.21	0.99	0.22	1.09	0.20	0.76	0.15	1.24	1.06	2.81	2.81	FALSO	4.00	1.24	0.02	2.00	0.00	9.38	0.00	0.00
1.26	0.83	29.64	19.00	0.83	1.26	21.55	21.55	0.99	0.22	1.08	0.20	0.76	0.15	1.26	0.83	2.94	2.94	FALSO	4.00	1.26	0.02	2.00	0.00	9.37	0.00	0.00
1.28	0.74	25.99	19.00	0.74	1.28	21.88	21.88	0.99	0.22	1.08	0.20	0.76	0.15	1.28	0.74	2.98	2.98	FALSO	4.00	1.28	0.02	2.00	0.00	9.36	0.00	0.00
1.30	0.82	21.88	19.00	0.82	1.30	22.21	22.21	0.99	0.22	1.08	0.20	0.76	0.15	1.30	0.82	2.87	2.87	FALSO	4.00	1.30	0.02	2.00	0.00	9.35	0.00	0.00
1.32	0.83	20.25	19.00	0.83	1.32	22.54	22.54	0.99	0.22	1.08	0.20	0.76	0.15	1.32	0.83	2.84	2.84	FALSO	4.00	1.32	0.02	2.00	0.00	9.34	0.00	0.00
1.34	0.88	18.03	19.00	0.89	1.34	22.86	22.86	0.99	0.22	1.08	0.20	0.76	0.15	1.34	0.88	2.77	2.77	FALSO	4.00	1.34	0.02	2.00	0.00	9.33	0.00	0.00
1.36	1.01	17.46	19.00	1.01	1.36	23.19	23.19	0.99	0.22	1.09	0.20	0.76	0.15	1.36	1.01	2.68	2.68	FALSO	4.00	1.36	0.02	2.00	0.00	9.32	0.00	0.00
1.38	1.05	18.97	19.00	1.06	1.38	23.52	23.52	0.99	0.22	1.09	0.20	0.76	0.15	1.38	1.05	2.67	2.67	FALSO	4.00	1.38	0.02	2.00	0.00	9.31	0.00	0.00
1.40	1.03	19.49	19.00	1.03	1.40	23.84	23.84	0.99	0.22	1.09	0.20	0.76	0.15	1.40	1.03	2.70	2.70	FALSO	4.00	1.40	0.02	2.00	0.00	9.30	0.00	0.00
1.42	0.95	21.29	19.00	0.95	1.42	24.17	24.17	0.99	0.22	1.08	0.20	0.76	0.15	1.42	0.95	2.77	2.77	FALSO	4.00	1.42	0.02	2.00	0.00	9.29	0.00	0.00
1.44	0.86	23.29	19.00	0.86	1.44	24.50	24.50	0.99	0.22	1.08	0.20	0.76	0.15	1.44	0.86	2.86	2.86	FALSO	4.00	1.44	0.02	2.00	0.00	9.28	0.00	0.00
1.46	0.82	22.58	19.00	0.82	1.46	24.83	24.83	0.99	0.22	1.08	0.20	0.76	0.15	1.46	0.82	2.88	2.88	FALSO	4.00	1.46	0.02	2.00	0.00	9.27	0.00	0.00
1.48	0.81	21.47	19.00	0.82	1.48	25.16	25.16	0.99	0.22	1.08	0.20	0.76	0.15	1.48	0.81	2.86	2.86	FALSO	4.00	1.48	0.02	2.00	0.00	9.26	0.00	0.00
1.50	0.85	19.42	19.00	0.86	1.50	25.49	25.49	0.99	0.22	1.08	0.20	0.76	0.15	1.50	0.85	2.81	2.81	FALSO	4.00	1.50	0.02	2.00	0.00	9.25	0.00	0.00
1.52	0.91	18.25	19.00	0.92	1.52	25.82	25.82	0.99	0.22	1.08	0.20	0.76	0.15	1.52	0.91	2.75	2.75	FALSO	4.00	1.52	0.02	2.00	0.00	9.24	0.00	0.00
1.54	0.93	17.42	19.00	0.94	1.54	26.14	26.14	0.99	0.22	1.08	0.20	0.76	0.15	1.54	0.93	2.73	2.73	FALSO	4.00	1.54	0.02	2.00	0.00	9.23	0.00	0.00
1.56	0.91	18.08	19.00	0.92	1.56	26.47	26.47	0.99	0.22	1.08	0.20	0.76	0.15	1.56	0.91	2.75	2.75	FALSO	4.00	1.56	0.02	2.00	0.00	9.22	0.00	0.00
1.58	0.86	19.00	19.00	0.87	1.58	26.79	26.79	0.99	0.22	1.08	0.20	0.76	0.15	1.58	0.86	2.80	2.80	FALSO	4.00	1.58	0.02	2.00	0.00	9.21	0.00	0.00
1.60	0.84	19.80	19.00	0.85	1.60	27.12	27.12	0.99	0.22	1.08	0.20	0.76	0.15	1.60	0.84	2.82	2.82	FALSO	4.00	1.60	0.02	2.00	0.00	9.20	0.00	0.00
1.62	0.82	19.32	19.00	0.83	1.62	27.45	27.45	0.99	0.22	1.08	0.20	0.76	0.15	1.62	0.82	2.83	2.83	FALSO	4.00	1.62	0.02	2.00	0.00	9.19	0.00	0.00
1.64	0.79	19.21	19.00	0.80	1.64	27.77	27.77	0.98	0.22	1.08	0.20	0.76	0.15	1.64	0.79	2.85	2.85	FALSO	4.00	1.64	0.02	2.00	0.00	9.18	0.00	0.00
1.66	0.80	19.13	19.00	0.81	1.66	28.10	28.10	0.98	0.22	1.08	0.20	0.76	0.15	1.66	0.80	2.84	2.84	FALSO	4.00	1.66	0.02	2.00	0.00	9.17	0.00	0.00
1.68	0.80	17.79	19.00	0.81	1.68	28.42	28.42	0.98	0.22	1.08	0.20	0.76	0.15	1.68	0.80	2.82	2.82	FALSO	4.00	1.68	0.02	2.00	0.00	9.16	0.00	0.00
1.70	0.77	16.82	19.00	0.78	1.70	28.75	28.75	0.98	0.22	1.08	0.20	0.76	0.15	1.70	0.77	2.83	2.83	FALSO	4.00	1.70	0.02	2.00	0.00	9.15	0.00	0.00
1.72	0.73	16.80	19.00	0.75	1.72	29.07	29.07	0.98	0.22	1.08	0.20	0.76	0.15	1.72	0.73	2.87	2.87	FALSO	4.00	1.72	0.02	2.00	0.00	9.14	0.00	0.00
1.74	0.71	15.37	19.00	0.73	1.74	29.39	29.39	0.98	0.22	1.08	0.20	0.76	0.15	1.74	0.71	2.86	2.86	FALSO	4.00	1.74	0.02	2.00	0.00	9.13	0.00	0.00
1.76	0.76	14.89	19.00	0.78	1.76	29.71	29.71	0.98	0.22	1.08	0.20	0.76	0.15	1.76	0.76	2.81	2.81	FALSO	4.00	1.76	0.02	2.00	0.00	9.12	0.00	0.00
1.78	0.79	15.09	19.00	0.81	1.78	30.03	30.03	0.98	0.22	1.08	0.20	0.76	0.15	1.78	0.79	2.79	2.79	FALSO	4.00	1.78	0.02	2.00	0.00	9.11	0.00	0.00
1.80	0.85	15.04	19.00	0.87	1.80	30.35	30.35	0.98	0.22	1.08	0.20	0.76	0.15	1.80	0.85	2.75	2.75	FALSO	4.00	1.80	0.02	2.00	0.00	9.10	0.00	0.00
1.82	0.87	15.67	19.00	0.89	1.82	30.67	30.67	0.98	0.22	1.08	0.20	0.76	0.15	1.82	0.87	2.74	2.74	FALSO	4.00	1.82	0.02	2.00	0.00	9.09	0.00	0.00
1.84	0.89	18.13	19.00	0.91	1.84	31.00	31.00	0.98	0.22	1.08	0.20	0.76	0.15	1.84	0.89	2.76	2.76	FALSO	4.00	1.84	0.02	2.00	0.00	9.08	0.00	0.00
1.86	0.94	19.25	19.00	0.96	1.86	31.33	31.33	0.98	0.22	1.08	0.20	0.76	0.15	1.86	0.94	2.74	2.74	FALSO	4.00	1.86	0.02	2.00	0.00	9.07	0.00	0.00
1.88	1.05	29.04	19.00	1.05	1.88	31.66	31.66	0.98	0.22	1.09	0.20	0.76	0.15	1.88	1.05	2.79	2.79	FALSO	4.00	1.88	0.02	2.00	0.00	9.06	0.00	0.00
1.90	1.03	32.49	19.00	1.02	1.90	32.00	32.00	0.98	0.22	1.09	0.20	0.76	0.15	1.90	1.03	2.84	2.84	FALSO	4.00	1.90	0.02	2.00	0.00	9.05	0.00	0.00
1.92	1.02	38.06	19.00	1.01	1.92	32.35	32.35	0.98	0.22	1.09	0.20	0.76	0.15	1.92	1.02	2.89	2.89	FALSO	4.00	1.92	0.02	2.00	0.00	9.04	0.00	0.00
1.94	1.07	41.60	19.00	1.07	1.94	32.69	32.69	0.98	0.22	1.09	0.20	0.76	0.15	1.94	1.07	2.88	2.88	FALSO	4.00	1.94	0.02	2.00	0.00	9.03	0.00	0.00
1.96	1.08	45.00	19.00	1.07	1.96	33.04	33.04	0.98	0.22	1.09	0.20	0.76	0.15	1.96	1.08	2.90	2.90	FALSO	4.00	1.96	0.02	2.00	0.00	9.02	0.00	0.00
1.98	1.10	49.08	19.00	1.10	1.98	33.39	33.39	0.98	0.22	1.09	0.20	0.76	0.15	1.98	1.10	2.90	2.90	FALSO	4.00	1.98	0.02	2.00	0.00	9.01	0.00	0.00
2.00	1.11	51.48	19.00	1.11	2.00	33.74	33.74	0.98	0.22	1.09	0.20	0.76	0.15	2.00	1.11	2.91	2.91	FALSO	4.00	2.00	0.02	2.00	0.00	9.00	0.00	0.00
2.02	1.13	52.97	19.00	1.12	2.02	34.09	34.09	0.98	0.22	1.09	0.20	0.76	0.15	2.02	1.13	2.91	2.91	FALSO	4.00	2.02	0.02	2.00	0.00	8.99	0.00	0.00
2.04	1.10	53.48	19.00	1.09	2.04	34.45	34.45	0.98	0.22	1.09	0.20	0.76	0.15	2.04	1.10	2.93	2.93	FALSO	4.00	2.04	0.02	2.00	0.00	8.98	0.00	0.00
2.06	1.08	53.99	19.00	1.07	2.06	34.80	34.80	0.98	0.22	1.09	0.20	0.76	0.15	2.06	1.08	2.95	2.95	FALSO	4.00	2.06	0.02	2.00	0.00	8.97	0.00	0.00
2.08	1.05	54.39	19.00	1.05	2.08	35.15	35.15	0.98	0.22	1.09	0.20	0.76	0.15	2.08	1.05	2.97	2.97	FALSO	4.00	2.08	0.02	2.00	0.00	8.96	0.00	0.00
2.10	1.00	54.30	19.00	0.99	2.10	35.50	35.50	0.98	0.22	1.09	0.20	0.76	0.15	2.10	1.00	3.00	3.00	FALSO	4.00	2.10	0.02	2.00	0.00	8.95	0.00	0.00
2.12	1.01	52.96	19.00	1.01	2.12	35.85	35.85	0.98	0.22	1.09	0.20	0.76	0.15	2.12	1.01	2.98</										

2.40	1.09	46.81	19.00	1.09	2.40	40.75	40.75	0.97	0.21	1.09	0.20	0.76	0.15	2.40	1.09	2.90	2.90	FALSO	4.00	2.40	0.02	2.00	0.00	8.80	0.00	0.00
2.42	1.08	48.21	19.00	1.07	2.42	41.10	41.10	0.97	0.21	1.09	0.20	0.76	0.15	2.42	1.08	2.92	2.92	FALSO	4.00	2.42	0.02	2.00	0.00	8.79	0.00	0.00
2.44	1.08	50.56	19.00	1.07	2.44	41.45	41.45	0.97	0.21	1.09	0.20	0.76	0.15	2.44	1.08	2.93	2.93	FALSO	4.00	2.44	0.02	2.00	0.00	8.78	0.00	0.00
2.46	1.05	51.27	19.00	1.05	2.46	41.80	41.80	0.97	0.21	1.09	0.20	0.76	0.15	2.46	1.05	2.95	2.95	FALSO	4.00	2.46	0.02	2.00	0.00	8.77	0.00	0.00
2.48	1.07	52.24	19.00	1.07	2.48	42.16	42.16	0.97	0.21	1.09	0.20	0.76	0.15	2.48	1.07	2.94	2.94	FALSO	4.00	2.48	0.02	2.00	0.00	8.76	0.00	0.00
2.50	1.08	52.70	19.00	1.08	2.50	42.51	42.51	0.97	0.21	1.09	0.20	0.76	0.15	2.50	1.08	2.94	2.94	FALSO	4.00	2.50	0.02	2.00	0.00	8.75	0.00	0.00
2.52	1.12	53.41	19.00	1.11	2.52	42.86	42.86	0.97	0.21	1.09	0.20	0.76	0.15	2.52	1.12	2.93	2.93	FALSO	4.00	2.52	0.02	2.00	0.00	8.74	0.00	0.00
2.54	1.12	53.30	19.00	1.12	2.54	43.21	43.21	0.97	0.21	1.09	0.20	0.76	0.15	2.54	1.12	2.92	2.92	FALSO	4.00	2.54	0.02	2.00	0.00	8.73	0.00	0.00
2.56	1.13	52.47	19.00	1.13	2.56	43.56	43.56	0.97	0.21	1.09	0.20	0.76	0.15	2.56	1.13	2.91	2.91	FALSO	4.00	2.56	0.02	2.00	0.00	8.72	0.00	0.00
2.58	1.10	52.16	19.00	1.10	2.58	43.91	43.91	0.97	0.21	1.09	0.20	0.76	0.15	2.58	1.10	2.93	2.93	FALSO	4.00	2.58	0.02	2.00	0.00	8.71	0.00	0.00
2.60	1.04	52.50	19.00	1.03	2.60	44.27	44.27	0.97	0.21	1.09	0.20	0.76	0.15	2.60	1.04	2.97	2.97	FALSO	4.00	2.60	0.02	2.00	0.00	8.70	0.00	0.00
2.62	1.01	53.10	19.00	1.01	2.62	44.62	44.62	0.97	0.21	1.09	0.20	0.76	0.15	2.62	1.01	2.99	2.99	FALSO	4.00	2.62	0.02	2.00	0.00	8.69	0.00	0.00
2.64	0.98	52.33	19.00	0.98	2.64	44.97	44.97	0.97	0.21	1.09	0.20	0.76	0.15	2.64	0.98	3.00	3.00	FALSO	4.00	2.64	0.02	2.00	0.00	8.68	0.00	0.00
2.66	0.99	53.04	19.00	0.98	2.66	45.32	45.32	0.97	0.21	1.09	0.20	0.76	0.15	2.66	0.99	3.01	3.01	FALSO	4.00	2.66	0.02	2.00	0.00	8.67	0.00	0.00
2.68	0.94	53.13	19.00	0.94	2.68	45.67	45.67	0.97	0.21	1.08	0.20	0.76	0.15	2.68	0.94	3.04	3.04	FALSO	4.00	2.68	0.02	2.00	0.00	8.66	0.00	0.00
2.70	0.91	54.16	19.00	0.91	2.70	46.02	46.02	0.97	0.21	1.08	0.20	0.76	0.15	2.70	0.91	3.06	3.06	FALSO	4.00	2.70	0.02	2.00	0.00	8.65	0.00	0.00
2.72	0.90	54.59	19.00	0.90	2.72	46.37	46.37	0.97	0.21	1.08	0.20	0.76	0.15	2.72	0.90	3.07	3.07	FALSO	4.00	2.72	0.02	2.00	0.00	8.64	0.00	0.00
2.74	0.88	53.53	19.00	0.88	2.74	46.72	46.72	0.97	0.21	1.08	0.20	0.76	0.15	2.74	0.88	3.08	3.08	FALSO	4.00	2.74	0.02	2.00	0.00	8.63	0.00	0.00
2.76	0.88	54.05	19.00	0.87	2.76	47.07	47.07	0.97	0.21	1.08	0.20	0.76	0.15	2.76	0.88	3.09	3.09	FALSO	4.00	2.76	0.02	2.00	0.00	8.62	0.00	0.00
2.78	0.92	54.07	19.00	0.92	2.78	47.42	47.42	0.97	0.21	1.08	0.20	0.76	0.15	2.78	0.92	3.06	3.06	FALSO	4.00	2.78	0.02	2.00	0.00	8.61	0.00	0.00
2.80	0.95	52.50	19.00	0.94	2.80	47.77	47.77	0.97	0.21	1.08	0.20	0.76	0.15	2.80	0.95	3.03	3.03	FALSO	4.00	2.80	0.02	2.00	0.00	8.60	0.00	0.00
2.82	0.94	51.30	19.00	0.93	2.82	48.12	48.12	0.96	0.21	1.08	0.20	0.76	0.15	2.82	0.94	3.03	3.03	FALSO	4.00	2.82	0.02	2.00	0.00	8.59	0.00	0.00
2.84	0.90	51.32	19.00	0.90	2.84	48.47	48.47	0.96	0.21	1.08	0.20	0.76	0.15	2.84	0.90	3.06	3.06	FALSO	4.00	2.84	0.02	2.00	0.00	8.58	0.00	0.00
2.86	0.90	53.95	19.00	0.90	2.86	48.82	48.82	0.96	0.21	1.08	0.20	0.76	0.15	2.86	0.90	3.07	3.07	FALSO	4.00	2.86	0.02	2.00	0.00	8.57	0.00	0.00
2.88	0.90	55.83	19.00	0.91	2.88	49.17	49.17	0.96	0.21	1.08	0.20	0.76	0.15	2.88	0.90	3.07	3.07	FALSO	4.00	2.88	0.02	2.00	0.00	8.56	0.00	0.00
2.90	0.90	56.80	19.00	0.91	2.90	49.53	49.53	0.96	0.21	1.08	0.20	0.76	0.15	2.90	0.90	3.08	3.08	FALSO	4.00	2.90	0.02	2.00	0.00	8.55	0.00	0.00
2.92	0.86	58.12	19.00	0.87	2.92	49.88	49.88	0.96	0.21	1.08	0.20	0.76	0.15	2.92	0.86	3.11	3.11	FALSO	4.00	2.92	0.02	2.00	0.00	8.54	0.00	0.00
2.94	0.90	57.06	19.00	0.91	2.94	50.23	50.23	0.96	0.21	1.08	0.20	0.76	0.15	2.94	0.90	3.08	3.08	FALSO	4.00	2.94	0.02	2.00	0.00	8.53	0.00	0.00
2.96	0.92	55.00	19.00	0.94	2.96	50.58	50.58	0.96	0.21	1.08	0.20	0.76	0.15	2.96	0.92	3.05	3.05	FALSO	4.00	2.96	0.02	2.00	0.00	8.52	0.00	0.00
2.98	0.96	53.54	19.00	0.97	2.98	50.93	50.93	0.96	0.21	1.08	0.20	0.76	0.15	2.98	0.96	3.02	3.02	FALSO	4.00	2.98	0.02	2.00	0.00	8.51	0.00	0.00
3.00	1.01	49.66	19.00	1.01	3.00	51.28	51.28	0.96	0.21	1.08	0.20	0.76	0.15	3.00	1.01	2.97	2.97	FALSO	4.00	3.00	0.02	2.00	0.00	8.50	0.00	0.00
3.02	1.03	46.95	19.00	1.03	3.02	51.63	51.63	0.96	0.21	1.08	0.20	0.76	0.15	3.02	1.03	2.94	2.94	FALSO	4.00	3.02	0.02	2.00	0.00	8.49	0.00	0.00
3.04	1.02	46.80	19.00	1.03	3.04	51.98	51.98	0.96	0.21	1.08	0.20	0.76	0.15	3.04	1.02	2.95	2.95	FALSO	4.00	3.04	0.02	2.00	0.00	8.48	0.00	0.00
3.06	1.02	47.12	19.00	1.03	3.06	52.33	52.33	0.96	0.21	1.08	0.20	0.76	0.15	3.06	1.02	2.95	2.95	FALSO	4.00	3.06	0.02	2.00	0.00	8.47	0.00	0.00
3.08	1.03	47.40	19.00	1.04	3.08	52.68	52.68	0.96	0.21	1.08	0.20	0.76	0.15	3.08	1.03	2.94	2.94	FALSO	4.00	3.08	0.02	2.00	0.00	8.46	0.00	0.00
3.10	1.02	46.86	19.00	1.03	3.10	53.03	53.03	0.96	0.21	1.08	0.20	0.76	0.15	3.10	1.02	2.95	2.95	FALSO	4.00	3.10	0.02	2.00	0.00	8.45	0.00	0.00
3.12	0.95	47.17	19.00	0.94	3.12	53.37	53.37	0.96	0.21	1.08	0.20	0.76	0.15	3.12	0.95	3.00	3.00	FALSO	4.00	3.12	0.02	2.00	0.00	8.44	0.00	0.00
3.14	0.92	47.71	19.00	0.92	3.14	53.72	53.72	0.96	0.21	1.08	0.20	0.76	0.15	3.14	0.92	3.02	3.02	FALSO	4.00	3.14	0.02	2.00	0.00	8.43	0.00	0.00
3.16	0.94	50.20	19.00	0.95	3.16	54.07	54.07	0.96	0.21	1.08	0.20	0.76	0.15	3.16	0.94	3.02	3.02	FALSO	4.00	3.16	0.02	2.00	0.00	8.42	0.00	0.00
3.18	0.96	52.54	19.00	1.00	3.18	54.42	54.42	0.96	0.21	1.08	0.20	0.76	0.15	3.18	0.96	3.00	3.00	FALSO	4.00	3.18	0.02	2.00	0.00	8.41	0.00	0.00
3.20	0.97	48.65	19.00	0.97	3.20	54.77	54.77	0.96	0.21	1.08	0.20	0.76	0.15	3.20	0.97	3.00	3.00	FALSO	4.00	3.20	0.02	2.00	0.00	8.40	0.00	0.00
3.22	0.91	47.91	19.00	0.91	3.22	55.12	55.12	0.96	0.21	1.08	0.20	0.76	0.15	3.22	0.91	3.03	3.03	FALSO	4.00	3.22	0.02	2.00	0.00	8.39	0.00	0.00
3.24	0.87	51.42	19.00	0.87	3.24	55.47	55.47	0.96	0.21	1.08	0.20	0.76	0.15	3.24	0.87	3.08	3.08	FALSO	4.00	3.24	0.02	2.00	0.00	8.38	0.00	0.00
3.26	0.86	51.76	19.00	0.86	3.26	55.82	55.82	0.96	0.21	1.08	0.20	0.76	0.15	3.26	0.86	3.09	3.09	FALSO	4.00	3.26	0.02	2.00	0.00	8.37	0.00	0.00
3.28	0.85	49.28	19.00	0.86	3.28	56.17	56.17	0.96	0.21	1.08	0.20	0.76	0.15	3.28	0.85	3.08	3.08	FALSO	4.00	3.28	0.02	2.00	0.00	8.36	0.00	0.00
3.30	0.87	47.19	19.00	0.88	3.30	56.51	56.51	0.96	0.21	1.08	0.20	0.76	0.15	3.30	0.87	3.06	3.06	FALSO	4.00	3.30	0.02	2.00	0.00	8.35	0.00	0.00
3.32	0.89	48.82	19.00	0.90	3.32	56.86	56.86	0.96	0.21	1.08	0.20	0.76	0.15	3.32	0.89	3.05	3.05	FALSO	4.00	3.32	0.02	2.00	0.00	8.34	0.00	0.00
3.34	0.90	51.70	19.00	0.92	3.34	57.21	57.21	0.96	0.21	1.08	0.20	0.76	0.15	3.34	0.90	3.05	3.05	FALSO	4.00	3.34	0.02	2.00	0.00	8.33	0.00	0.00
3.36	0.88	51.22	19.00	0.89	3.36	57.56	57.56	0.95	0.21	1.08	0.20	0.76	0.15	3.36	0.88	3.07	3.07	FALSO	4.00	3.36	0.02	2.00	0.00	8.32	0.00	0.00
3.38	0.88	51.13	19.00	0.89	3.38	57.91	57.91	0.95	0.21	1.08	0.20	0.76	0.15	3.38	0.88	3.07</										

3.66	0.75	27.54	19.00	0.77	3.66	62.70	62.70	0.95	0.21	1.08	0.20	0.76	0.15	3.66	0.75	3.02	3.02	FALSO	4.00	3.66	0.02	2.00	0.00	8.17	0.00	0.00
3.68	0.72	27.91	19.00	0.74	3.68	63.03	63.03	0.95	0.21	1.08	0.20	0.76	0.15	3.68	0.72	3.06	3.06	FALSO	4.00	3.68	0.02	2.00	0.00	8.16	0.00	0.00
3.70	0.75	28.43	19.00	0.76	3.70	63.36	63.36	0.95	0.21	1.08	0.19	0.76	0.14	3.70	0.75	3.04	3.04	FALSO	4.00	3.70	0.02	2.00	0.00	8.15	0.00	0.00
3.72	0.80	29.20	19.00	0.81	3.72	63.70	63.70	0.95	0.21	1.08	0.19	0.76	0.14	3.72	0.80	3.01	3.01	FALSO	4.00	3.72	0.02	2.00	0.00	8.14	0.00	0.00
3.74	0.85	30.80	19.00	0.86	3.74	64.04	64.04	0.95	0.21	1.08	0.19	0.76	0.14	3.74	0.85	2.98	2.98	FALSO	4.00	3.74	0.02	2.00	0.00	8.13	0.00	0.00
3.76	0.83	31.97	19.00	0.84	3.76	64.38	64.38	0.95	0.21	1.08	0.19	0.76	0.14	3.76	0.83	3.01	3.01	FALSO	4.00	3.76	0.02	2.00	0.00	8.12	0.00	0.00
3.78	0.81	34.48	19.00	0.81	3.78	64.72	64.72	0.95	0.21	1.08	0.19	0.76	0.14	3.78	0.81	3.06	3.06	FALSO	4.00	3.78	0.02	2.00	0.00	8.11	0.00	0.00
3.80	0.78	35.91	19.00	0.78	3.80	65.06	65.06	0.95	0.21	1.08	0.19	0.76	0.14	3.80	0.78	3.10	3.10	FALSO	4.00	3.80	0.02	2.00	0.00	8.10	0.00	0.00
3.82	0.76	37.65	19.00	0.76	3.82	65.40	65.40	0.95	0.21	1.08	0.19	0.76	0.14	3.82	0.76	3.13	3.13	FALSO	4.00	3.82	0.02	2.00	0.00	8.09	0.00	0.00
3.84	0.79	37.88	19.00	0.79	3.84	65.74	65.74	0.95	0.21	1.08	0.19	0.76	0.14	3.84	0.79	3.11	3.11	FALSO	4.00	3.84	0.02	2.00	0.00	8.08	0.00	0.00
3.86	0.79	39.56	19.00	0.79	3.86	66.08	66.08	0.95	0.21	1.08	0.19	0.76	0.14	3.86	0.79	3.12	3.12	FALSO	4.00	3.86	0.02	2.00	0.00	8.07	0.00	0.00
3.88	0.79	40.53	19.00	0.80	3.88	66.42	66.42	0.94	0.21	1.08	0.19	0.76	0.14	3.88	0.79	3.12	3.12	FALSO	4.00	3.88	0.02	2.00	0.00	8.06	0.00	0.00
3.90	0.79	40.65	19.00	0.80	3.90	66.77	66.77	0.94	0.21	1.08	0.19	0.76	0.14	3.90	0.79	3.12	3.12	FALSO	4.00	3.90	0.02	2.00	0.00	8.05	0.00	0.00
3.92	0.81	40.42	19.00	0.83	3.92	67.11	67.11	0.94	0.21	1.08	0.19	0.76	0.14	3.92	0.81	3.10	3.10	FALSO	4.00	3.92	0.02	2.00	0.00	8.04	0.00	0.00
3.94	0.81	42.16	19.00	0.82	3.94	67.45	67.45	0.94	0.21	1.08	0.19	0.76	0.14	3.94	0.81	3.12	3.12	FALSO	4.00	3.94	0.02	2.00	0.00	8.03	0.00	0.00
3.96	0.84	43.73	19.00	0.86	3.96	67.80	67.80	0.94	0.21	1.08	0.19	0.76	0.14	3.96	0.84	3.10	3.10	FALSO	4.00	3.96	0.02	2.00	0.00	8.02	0.00	0.00
3.98	0.88	44.13	19.00	0.90	3.98	68.15	68.15	0.94	0.21	1.08	0.19	0.76	0.14	3.98	0.88	3.08	3.08	FALSO	4.00	3.98	0.02	2.00	0.00	8.01	0.00	0.00
4.00	0.90	45.70	9.00	0.92	4.00	68.49	68.49	0.94	0.21	1.08	0.19	0.76	0.14	4.00	0.90	3.07	3.07	FALSO	4.00	4.00	0.02	2.00	0.00	8.00	0.00	0.00
4.02	0.91	48.04	9.00	0.93	4.02	68.84	68.65	0.94	0.21	1.08	0.19	0.76	0.14	4.02	0.91	3.08	3.08	FALSO	4.00	4.02	0.02	2.00	0.00	7.99	0.00	0.00
4.04	0.92	50.67	9.00	0.94	4.04	69.19	68.80	0.94	0.21	1.08	0.19	0.76	0.14	4.04	0.92	3.09	3.09	FALSO	4.00	4.04	0.02	2.00	0.00	7.98	0.00	0.00
4.06	0.94	52.38	9.00	0.96	4.06	69.54	68.95	0.94	0.21	1.08	0.19	0.76	0.14	4.06	0.94	3.09	3.09	FALSO	4.00	4.06	0.02	2.00	0.00	7.97	0.00	0.00
4.08	0.92	53.52	9.00	0.94	4.08	69.89	69.11	0.94	0.21	1.08	0.20	0.76	0.15	4.08	0.92	3.11	3.11	FALSO	4.00	4.08	0.02	2.00	0.00	7.96	0.00	0.00
4.10	0.91	54.35	9.00	0.93	4.10	70.24	69.26	0.94	0.21	1.08	0.20	0.76	0.15	4.10	0.91	3.12	3.12	FALSO	4.00	4.10	0.02	2.00	0.00	7.95	0.00	0.00
4.12	0.90	55.98	9.00	0.92	4.12	70.60	69.42	0.94	0.21	1.08	0.20	0.76	0.15	4.12	0.90	3.14	3.14	FALSO	4.00	4.12	0.02	2.00	0.00	7.94	0.00	0.00
4.14	0.92	56.46	9.00	0.93	4.14	70.95	69.57	0.94	0.21	1.08	0.20	0.76	0.15	4.14	0.92	3.13	3.13	FALSO	4.00	4.14	0.02	2.00	0.00	7.93	0.00	0.00
4.16	0.90	56.49	9.00	0.91	4.16	71.30	69.73	0.94	0.21	1.08	0.20	0.76	0.15	4.16	0.90	3.15	3.15	FALSO	4.00	4.16	0.02	2.00	0.00	7.92	0.00	0.00
4.18	0.87	56.60	9.00	0.88	4.18	71.65	69.89	0.94	0.21	1.08	0.20	0.76	0.15	4.18	0.87	3.17	3.17	FALSO	4.00	4.18	0.02	2.00	0.00	7.91	0.00	0.00
4.20	0.81	55.43	9.00	0.82	4.20	72.00	70.04	0.94	0.21	1.08	0.20	0.76	0.15	4.20	0.81	3.21	3.21	FALSO	4.00	4.20	0.02	2.00	0.00	7.90	0.00	0.00
4.22	0.78	53.77	9.00	0.79	4.22	72.35	70.19	0.94	0.21	1.08	0.20	0.76	0.15	4.22	0.78	3.23	3.23	FALSO	4.00	4.22	0.02	2.00	0.00	7.89	0.00	0.00
4.24	0.76	51.91	9.00	0.77	4.24	72.70	70.35	0.94	0.21	1.07	0.20	0.76	0.15	4.24	0.76	3.24	3.24	FALSO	4.00	4.24	0.02	2.00	0.00	7.88	0.00	0.00
4.26	0.71	51.14	9.00	0.72	4.26	73.05	70.50	0.94	0.21	1.07	0.20	0.76	0.15	4.26	0.71	3.28	3.28	FALSO	4.00	4.26	0.02	2.00	0.00	7.87	0.00	0.00
4.28	0.68	49.17	9.00	0.69	4.28	73.39	70.65	0.94	0.22	1.07	0.20	0.76	0.15	4.28	0.68	3.30	3.30	FALSO	4.00	4.28	0.02	2.00	0.00	7.86	0.00	0.00
4.30	0.67	46.28	9.00	0.69	4.30	73.74	70.80	0.94	0.22	1.07	0.20	0.76	0.15	4.30	0.67	3.29	3.29	FALSO	4.00	4.30	0.02	2.00	0.00	7.85	0.00	0.00
4.32	0.67	44.14	9.00	0.68	4.32	74.08	70.94	0.94	0.22	1.07	0.20	0.76	0.15	4.32	0.67	3.28	3.28	FALSO	4.00	4.32	0.02	2.00	0.00	7.84	0.00	0.00
4.34	0.69	40.31	9.00	0.70	4.34	74.43	71.09	0.94	0.22	1.07	0.20	0.76	0.15	4.34	0.69	3.24	3.24	FALSO	4.00	4.34	0.02	2.00	0.00	7.83	0.00	0.00
4.36	0.70	37.20	9.00	0.73	4.36	74.77	71.23	0.94	0.22	1.07	0.20	0.76	0.15	4.36	0.70	3.19	3.19	FALSO	4.00	4.36	0.02	2.00	0.00	7.82	0.00	0.00
4.38	0.72	34.37	9.00	0.75	4.38	75.10	71.38	0.93	0.22	1.07	0.20	0.76	0.15	4.38	0.72	3.16	3.16	FALSO	4.00	4.38	0.02	2.00	0.00	7.81	0.00	0.00
4.40	0.79	30.31	9.00	0.81	4.40	75.44	71.52	0.93	0.22	1.08	0.20	0.76	0.15	4.40	0.79	3.06	3.06	FALSO	4.00	4.40	0.02	2.00	0.00	7.80	0.00	0.00
4.42	0.79	26.60	9.00	0.82	4.42	75.78	71.66	0.93	0.22	1.08	0.20	0.76	0.15	4.42	0.79	3.03	3.03	FALSO	4.00	4.42	0.02	2.00	0.00	7.79	0.00	0.00
4.44	0.82	24.46	9.00	0.85	4.44	76.11	71.79	0.93	0.22	1.08	0.20	0.76	0.15	4.44	0.82	2.98	2.98	FALSO	4.00	4.44	0.02	2.00	0.00	7.78	0.00	0.00
4.46	0.85	24.68	9.00	0.89	4.46	76.44	71.93	0.93	0.22	1.08	0.20	0.76	0.15	4.46	0.85	2.96	2.96	FALSO	4.00	4.46	0.02	2.00	0.00	7.77	0.00	0.00
4.48	0.89	25.60	9.00	0.92	4.48	76.77	72.06	0.93	0.22	1.08	0.20	0.76	0.15	4.48	0.89	2.94	2.94	FALSO	4.00	4.48	0.02	2.00	0.00	7.76	0.00	0.00
4.50	0.89	26.54	9.00	0.93	4.50	77.11	72.20	0.93	0.22	1.08	0.20	0.76	0.15	4.50	0.89	2.95	2.95	FALSO	4.00	4.50	0.02	2.00	0.00	7.75	0.00	0.00
4.52	0.91	27.31	9.00	0.94	4.52	77.44	72.34	0.93	0.22	1.08	0.20	0.76	0.15	4.52	0.91	2.95	2.95	FALSO	4.00	4.52	0.02	2.00	0.00	7.74	0.00	0.00
4.54	0.89	31.22	9.00	0.92	4.54	77.78	72.48	0.93	0.22	1.08	0.21	0.76	0.16	4.54	0.89	3.00	3.00	FALSO	4.00	4.54	0.02	2.00	0.00	7.73	0.00	0.00
4.56	0.85	33.53	9.00	0.89	4.56	78.12	72.63	0.93	0.22	1.08	0.21	0.76	0.16	4.56	0.85	3.04	3.04	FALSO	4.00	4.56	0.02	2.00	0.00	7.72	0.00	0.00
4.58	0.84	33.79	9.00	0.87	4.58	78.46	72.77	0.93	0.22	1.08	0.21	0.76	0.16	4.58	0.84	3.06	3.06	FALSO	4.00	4.58	0.02	2.00	0.00	7.71	0.00	0.00
4.60	0.83	35.10	9.00	0.86	4.60	78.80	72.92	0.93	0.22	1.08	0.21	0.76	0.16	4.60	0.83	3.07	3.07	FALSO	4.00	4.60	0.02	2.00	0.00	7.70	0.00	0.00
4.62	0.82	35.70	9.00	0.86	4.62	79.14	73.06	0.93	0.22	1.08	0.21	0.76	0.16	4.62	0.82	3.08	3.08	FALSO	4.00	4.62	0.02	2.00	0.00	7.69	0.00	0.00
4.64	0.84	35.96	9.00	0.87	4.64	79.48	73.21	0.93	0.22	1.08	0.21	0.76	0.16	4.64	0.84	3.08	3.08	FALSO	4.00	4.64						

4.92	0.71	28.81	9.00	0.75	4.92	84.22	75.20	0.92	0.23	1.07	0.21	0.76	0.16	4.92	0.71	3.13	3.13	FALSO	4.00	4.92	0.02	2.00	0.00	7.54	0.00	0.00
4.94	0.70	27.46	9.00	0.75	4.94	84.55	75.33	0.92	0.23	1.07	0.21	0.76	0.16	4.94	0.70	3.12	3.12	FALSO	4.00	4.94	0.02	2.00	0.00	7.53	0.00	0.00
4.96	0.71	24.98	9.00	0.75	4.96	84.89	75.47	0.92	0.23	1.07	0.21	0.76	0.16	4.96	0.71	3.09	3.09	FALSO	4.00	4.96	0.02	2.00	0.00	7.52	0.00	0.00
4.98	0.71	22.35	9.00	0.76	4.98	85.22	75.60	0.92	0.23	1.07	0.21	0.76	0.16	4.98	0.71	3.06	3.06	FALSO	4.00	4.98	0.02	2.00	0.00	7.51	0.00	0.00
5.00	0.68	21.47	9.00	0.72	5.00	85.54	75.73	0.92	0.23	1.07	0.21	0.76	0.16	5.00	0.68	3.09	3.09	FALSO	4.00	5.00	0.02	2.00	0.00	7.50	0.00	0.00
5.02	0.61	20.75	9.00	0.66	5.02	85.87	75.86	0.92	0.23	1.07	0.22	0.76	0.17	5.02	0.61	3.15	3.15	FALSO	4.00	5.02	0.02	2.00	0.00	7.49	0.00	0.00
5.04	0.57	19.78	9.00	0.61	5.04	86.19	75.99	0.92	0.23	1.07	0.22	0.76	0.17	5.04	0.57	3.19	3.19	FALSO	4.00	5.04	0.02	2.00	0.00	7.48	0.00	0.00
5.06	0.55	19.41	9.00	0.60	5.06	86.52	76.12	0.92	0.23	1.07	0.22	0.76	0.17	5.06	0.55	3.20	3.20	FALSO	4.00	5.06	0.02	2.00	0.00	7.47	0.00	0.00
5.08	0.56	19.78	9.00	0.60	5.08	86.84	76.25	0.92	0.23	1.07	0.22	0.76	0.17	5.08	0.56	3.19	3.19	FALSO	4.00	5.08	0.02	2.00	0.00	7.46	0.00	0.00
5.10	0.54	20.92	9.00	0.59	5.10	87.17	76.38	0.92	0.23	1.07	0.22	0.76	0.17	5.10	0.54	3.23	3.23	FALSO	4.00	5.10	0.02	2.00	0.00	7.45	0.00	0.00
5.12	0.53	20.06	9.00	0.58	5.12	87.49	76.51	0.92	0.23	1.07	0.22	0.76	0.17	5.12	0.53	3.23	3.23	FALSO	4.00	5.12	0.02	2.00	0.00	7.44	0.00	0.00
5.14	0.54	18.52	9.00	0.58	5.14	87.82	76.63	0.92	0.23	1.07	0.22	0.76	0.17	5.14	0.54	3.21	3.21	FALSO	4.00	5.14	0.02	2.00	0.00	7.43	0.00	0.00
5.16	0.55	17.29	9.00	0.60	5.16	88.14	76.76	0.92	0.23	1.07	0.22	0.76	0.17	5.16	0.55	3.17	3.17	FALSO	4.00	5.16	0.02	2.00	0.00	7.42	0.00	0.00
5.18	0.59	14.64	9.00	0.64	5.18	88.46	76.88	0.92	0.23	1.07	0.22	0.76	0.17	5.18	0.59	3.08	3.08	FALSO	4.00	5.18	0.02	2.00	0.00	7.41	0.00	0.00
5.20	0.60	13.95	9.00	0.65	5.20	88.77	77.00	0.92	0.23	1.07	0.22	0.76	0.17	5.20	0.60	3.06	3.06	FALSO	4.00	5.20	0.02	2.00	0.00	7.40	0.00	0.00
5.22	0.58	14.72	9.00	0.64	5.22	89.09	77.12	0.92	0.23	1.07	0.22	0.76	0.17	5.22	0.58	3.10	3.10	FALSO	4.00	5.22	0.02	2.00	0.00	7.39	0.00	0.00
5.24	0.60	15.09	9.00	0.66	5.24	89.41	77.25	0.92	0.23	1.07	0.22	0.76	0.17	5.24	0.60	3.08	3.08	FALSO	4.00	5.24	0.02	2.00	0.00	7.38	0.00	0.00
5.26	0.59	15.44	9.00	0.64	5.26	89.73	77.37	0.92	0.23	1.07	0.22	0.76	0.17	5.26	0.59	3.10	3.10	FALSO	4.00	5.26	0.02	2.00	0.00	7.37	0.00	0.00
5.28	0.59	14.75	9.00	0.64	5.28	90.05	77.49	0.92	0.24	1.07	0.22	0.76	0.17	5.28	0.59	3.09	3.09	FALSO	4.00	5.28	0.02	2.00	0.00	7.36	0.00	0.00
5.30	0.59	15.78	9.00	0.64	5.30	90.37	77.61	0.92	0.24	1.07	0.22	0.76	0.17	5.30	0.59	3.11	3.11	FALSO	4.00	5.30	0.02	2.00	0.00	7.35	0.00	0.00
5.32	0.59	17.26	9.00	0.65	5.32	90.69	77.74	0.92	0.24	1.07	0.22	0.76	0.17	5.32	0.59	3.13	3.13	FALSO	4.00	5.32	0.02	2.00	0.00	7.34	0.00	0.00
5.34	0.58	17.78	9.00	0.64	5.34	91.01	77.87	0.92	0.24	1.07	0.22	0.76	0.17	5.34	0.58	3.14	3.14	FALSO	4.00	5.34	0.02	2.00	0.00	7.33	0.00	0.00
5.36	0.58	18.26	9.00	0.64	5.36	91.33	77.99	0.91	0.24	1.07	0.22	0.76	0.17	5.36	0.58	3.15	3.15	FALSO	4.00	5.36	0.02	2.00	0.00	7.32	0.00	0.00
5.38	0.59	18.89	9.00	0.64	5.38	91.66	78.12	0.91	0.24	1.07	0.22	0.76	0.17	5.38	0.59	3.15	3.15	FALSO	4.00	5.38	0.02	2.00	0.00	7.31	0.00	0.00
5.40	0.58	19.92	9.00	0.64	5.40	91.98	78.25	0.91	0.24	1.07	0.22	0.76	0.17	5.40	0.58	3.17	3.17	FALSO	4.00	5.40	0.02	2.00	0.00	7.30	0.00	0.00
5.42	0.58	20.09	9.00	0.64	5.42	92.31	78.38	0.91	0.24	1.07	0.22	0.76	0.17	5.42	0.58	3.17	3.17	FALSO	4.00	5.42	0.02	2.00	0.00	7.29	0.00	0.00
5.44	0.64	21.12	9.00	0.70	5.44	92.64	78.51	0.91	0.24	1.07	0.22	0.76	0.17	5.44	0.64	3.13	3.13	FALSO	4.00	5.44	0.02	2.00	0.00	7.28	0.00	0.00
5.46	0.65	21.66	9.00	0.71	5.46	92.96	78.64	0.91	0.24	1.07	0.22	0.76	0.17	5.46	0.65	3.12	3.12	FALSO	4.00	5.46	0.02	2.00	0.00	7.27	0.00	0.00
5.48	0.64	21.52	9.00	0.70	5.48	93.29	78.77	0.91	0.24	1.07	0.22	0.76	0.17	5.48	0.64	3.13	3.13	FALSO	4.00	5.48	0.02	2.00	0.00	7.26	0.00	0.00
5.50	0.64	21.37	9.00	0.70	5.50	93.62	78.90	0.91	0.24	1.07	0.22	0.76	0.17	5.50	0.64	3.13	3.13	FALSO	4.00	5.50	0.02	2.00	0.00	7.25	0.00	0.00
5.52	0.67	21.40	9.00	0.73	5.52	93.95	79.04	0.91	0.24	1.07	0.22	0.76	0.17	5.52	0.67	3.11	3.11	FALSO	4.00	5.52	0.02	2.00	0.00	7.24	0.00	0.00
5.54	0.66	21.71	9.00	0.72	5.54	94.28	79.17	0.91	0.24	1.07	0.22	0.76	0.17	5.54	0.66	3.12	3.12	FALSO	4.00	5.54	0.02	2.00	0.00	7.23	0.00	0.00
5.56	0.67	21.46	9.00	0.73	5.56	94.60	79.30	0.91	0.24	1.07	0.22	0.76	0.17	5.56	0.67	3.11	3.11	FALSO	4.00	5.56	0.02	2.00	0.00	7.22	0.00	0.00
5.58	0.64	21.46	9.00	0.70	5.58	94.93	79.43	0.91	0.24	1.07	0.22	0.76	0.17	5.58	0.64	3.13	3.13	FALSO	4.00	5.58	0.02	2.00	0.00	7.21	0.00	0.00
5.60	0.64	20.77	9.00	0.70	5.60	95.26	79.56	0.91	0.24	1.07	0.22	0.76	0.17	5.60	0.64	3.13	3.13	FALSO	4.00	5.60	0.02	2.00	0.00	7.20	0.00	0.00
5.62	0.63	20.57	9.00	0.69	5.62	95.58	79.69	0.91	0.24	1.07	0.22	0.76	0.17	5.62	0.63	3.13	3.13	FALSO	4.00	5.62	0.02	2.00	0.00	7.19	0.00	0.00
5.64	0.62	20.48	9.00	0.68	5.64	95.91	79.82	0.91	0.24	1.07	0.23	0.76	0.17	5.64	0.62	3.14	3.14	FALSO	4.00	5.64	0.02	2.00	0.00	7.18	0.00	0.00
5.66	0.62	20.03	9.00	0.68	5.66	96.24	79.95	0.91	0.24	1.07	0.23	0.76	0.17	5.66	0.62	3.14	3.14	FALSO	4.00	5.66	0.02	2.00	0.00	7.17	0.00	0.00
5.68	0.59	19.11	9.00	0.66	5.68	96.56	80.08	0.91	0.24	1.07	0.23	0.76	0.17	5.68	0.59	3.16	3.16	FALSO	4.00	5.68	0.02	2.00	0.00	7.16	0.00	0.00
5.70	0.60	19.11	9.00	0.66	5.70	96.88	80.21	0.91	0.24	1.07	0.23	0.76	0.17	5.70	0.60	3.15	3.15	FALSO	4.00	5.70	0.02	2.00	0.00	7.15	0.00	0.00
5.72	0.58	18.82	9.00	0.64	5.72	97.21	80.34	0.91	0.24	1.07	0.23	0.76	0.17	5.72	0.58	3.17	3.17	FALSO	4.00	5.72	0.02	2.00	0.00	7.14	0.00	0.00
5.74	0.55	17.37	9.00	0.62	5.74	97.53	80.46	0.91	0.24	1.07	0.23	0.76	0.17	5.74	0.55	3.18	3.18	FALSO	4.00	5.74	0.02	2.00	0.00	7.13	0.00	0.00
5.76	0.55	17.05	9.00	0.62	5.76	97.85	80.59	0.91	0.24	1.07	0.23	0.76	0.17	5.76	0.55	3.18	3.18	FALSO	4.00	5.76	0.02	2.00	0.00	7.12	0.00	0.00
5.78	0.54	16.94	9.00	0.60	5.78	98.17	80.71	0.91	0.24	1.07	0.23	0.76	0.17	5.78	0.54	3.19	3.19	FALSO	4.00	5.78	0.02	2.00	0.00	7.11	0.00	0.00
5.80	0.53	17.14	9.00	0.59	5.80	98.49	80.84	0.91	0.24	1.07	0.23	0.76	0.17	5.80	0.53	3.21	3.21	FALSO	4.00	5.80	0.02	2.00	0.00	7.10	0.00	0.00
5.82	0.50	19.79	9.00	0.58	5.82	98.82	80.96	0.90	0.24	1.07	0.23	0.76	0.17	5.82	0.50	3.27	3.27	FALSO	4.00	5.82	0.02	2.00	0.00	7.09	0.00	0.00
5.84	0.53	19.08	9.00	0.61	5.84	99.14	81.09	0.90	0.24	1.07	0.23	0.76	0.17	5.84	0.53	3.22	3.22	FALSO	4.00	5.84	0.02	2.00	0.00	7.08	0.00	0.00
5.86	0.53	19.51	9.00	0.60	5.86	99.47	81.22	0.90	0.24	1.07	0.23	0.76	0.17	5.86	0.53	3.23	3.23	FALSO	4.00	5.86	0.02	2.00	0.00	7.07	0.00	0.00
5.88	0.54	20.16	9.00	0.61	5.88	99.79	81.35	0.90	0.24	1.07	0.23	0.76	0.17	5.88	0.54	3.23	3.23	FALSO	4.00	5.88	0.02	2.00	0.00	7.06	0.00	0.00
5.90	0.54	20.79	9.00	0.61	5.90	100.12	81.48	0.90	0.25	1.07	0.23	0.76	0.17	5.90	0.54	3.24	3.24	FALSO	4.00	5.90	0.02	2.				

6.18	0.59	24.87	9.00	0.66	6.18	104.75	83.36	0.90	0.25	1.07	0.23	0.76	0.17	6.18	0.59	3.24	3.24	FALSO	4.00	6.18	0.02	2.00	0.00	6.91	0.00	0.00
6.20	0.60	24.55	9.00	0.67	6.20	105.08	83.49	0.90	0.25	1.07	0.23	0.76	0.17	6.20	0.60	3.23	3.23	FALSO	4.00	6.20	0.02	2.00	0.00	6.90	0.00	0.00
6.22	0.60	24.13	9.00	0.67	6.22	105.41	83.63	0.90	0.25	1.07	0.23	0.76	0.17	6.22	0.60	3.22	3.22	FALSO	4.00	6.22	0.02	2.00	0.00	6.89	0.00	0.00
6.24	0.62	23.98	9.00	0.69	6.24	105.74	83.76	0.90	0.25	1.07	0.23	0.76	0.17	6.24	0.62	3.20	3.20	FALSO	4.00	6.24	0.02	2.00	0.00	6.88	0.00	0.00
6.26	0.63	24.41	9.00	0.71	6.26	106.07	83.90	0.89	0.25	1.07	0.23	0.76	0.17	6.26	0.63	3.19	3.19	FALSO	4.00	6.26	0.02	2.00	0.00	6.87	0.00	0.00
6.28	0.68	25.27	9.00	0.76	6.28	106.40	84.03	0.89	0.25	1.07	0.23	0.76	0.17	6.28	0.68	3.15	3.15	FALSO	4.00	6.28	0.02	2.00	0.00	6.86	0.00	0.00
6.30	0.70	26.01	9.00	0.78	6.30	106.73	84.17	0.89	0.25	1.07	0.23	0.76	0.17	6.30	0.70	3.14	3.14	FALSO	4.00	6.30	0.02	2.00	0.00	6.85	0.00	0.00
6.32	0.72	26.92	9.00	0.79	6.32	107.07	84.31	0.89	0.25	1.07	0.23	0.76	0.17	6.32	0.72	3.14	3.14	FALSO	4.00	6.32	0.02	2.00	0.00	6.84	0.00	0.00
6.34	0.72	29.03	9.00	0.80	6.34	107.40	84.45	0.89	0.25	1.07	0.23	0.76	0.17	6.34	0.72	3.15	3.15	FALSO	4.00	6.34	0.02	2.00	0.00	6.83	0.00	0.00
6.36	0.73	30.77	9.00	0.80	6.36	107.74	84.59	0.89	0.25	1.07	0.23	0.76	0.17	6.36	0.73	3.16	3.16	FALSO	4.00	6.36	0.02	2.00	0.00	6.82	0.00	0.00
6.38	0.73	31.74	9.00	0.81	6.38	108.08	84.73	0.89	0.25	1.07	0.23	0.76	0.17	6.38	0.73	3.17	3.17	FALSO	4.00	6.38	0.02	2.00	0.00	6.81	0.00	0.00
6.40	0.73	32.91	9.00	0.80	6.40	108.41	84.87	0.89	0.25	1.07	0.23	0.76	0.17	6.40	0.73	3.18	3.18	FALSO	4.00	6.40	0.02	2.00	0.00	6.80	0.00	0.00
6.42	0.76	33.14	9.00	0.83	6.42	108.75	85.01	0.89	0.25	1.07	0.23	0.76	0.17	6.42	0.76	3.16	3.16	FALSO	4.00	6.42	0.02	2.00	0.00	6.79	0.00	0.00
6.44	0.78	33.51	9.00	0.85	6.44	109.09	85.16	0.89	0.25	1.07	0.23	0.76	0.17	6.44	0.78	3.15	3.15	FALSO	4.00	6.44	0.02	2.00	0.00	6.78	0.00	0.00
6.46	0.78	34.68	9.00	0.85	6.46	109.43	85.30	0.89	0.25	1.07	0.24	0.76	0.18	6.46	0.78	3.16	3.16	FALSO	4.00	6.46	0.02	2.00	0.00	6.77	0.00	0.00
6.48	0.82	34.34	9.00	0.89	6.48	109.77	85.44	0.89	0.25	1.07	0.24	0.76	0.18	6.48	0.82	3.12	3.12	FALSO	4.00	6.48	0.02	2.00	0.00	6.76	0.00	0.00
6.50	0.84	34.05	9.00	0.90	6.50	110.11	85.59	0.89	0.25	1.07	0.24	0.76	0.18	6.50	0.84	3.11	3.11	FALSO	4.00	6.50	0.02	2.00	0.00	6.75	0.00	0.00
6.52	0.83	34.76	9.00	0.90	6.52	110.45	85.73	0.89	0.25	1.07	0.24	0.76	0.18	6.52	0.83	3.13	3.13	FALSO	4.00	6.52	0.02	2.00	0.00	6.74	0.00	0.00
6.54	0.83	36.76	9.00	0.89	6.54	110.80	85.88	0.89	0.25	1.07	0.24	0.76	0.18	6.54	0.83	3.14	3.14	FALSO	4.00	6.54	0.02	2.00	0.00	6.73	0.00	0.00
6.56	0.84	36.59	9.00	0.89	6.56	111.14	86.02	0.89	0.25	1.07	0.24	0.76	0.18	6.56	0.84	3.14	3.14	FALSO	4.00	6.56	0.02	2.00	0.00	6.72	0.00	0.00
6.58	0.82	37.93	9.00	0.87	6.58	111.48	86.17	0.89	0.25	1.07	0.24	0.76	0.18	6.58	0.82	3.17	3.17	FALSO	4.00	6.58	0.02	2.00	0.00	6.71	0.00	0.00
6.60	0.79	37.16	9.00	0.84	6.60	111.82	86.32	0.89	0.25	1.07	0.24	0.76	0.18	6.60	0.79	3.20	3.20	FALSO	4.00	6.60	0.02	2.00	0.00	6.70	0.00	0.00
6.62	0.79	37.16	9.00	0.84	6.62	112.16	86.46	0.89	0.25	1.07	0.24	0.76	0.18	6.62	0.79	3.20	3.20	FALSO	4.00	6.62	0.02	2.00	0.00	6.69	0.00	0.00
6.64	0.76	35.96	9.00	0.81	6.64	112.50	86.60	0.89	0.25	1.07	0.24	0.76	0.18	6.64	0.76	3.21	3.21	FALSO	4.00	6.64	0.02	2.00	0.00	6.68	0.00	0.00
6.66	0.72	34.61	9.00	0.77	6.66	112.84	86.75	0.89	0.25	1.07	0.24	0.76	0.18	6.66	0.72	3.24	3.24	FALSO	4.00	6.66	0.02	2.00	0.00	6.67	0.00	0.00
6.68	0.68	35.04	9.00	0.74	6.68	113.18	86.89	0.89	0.25	1.07	0.24	0.76	0.18	6.68	0.68	3.27	3.27	FALSO	4.00	6.68	0.02	2.00	0.00	6.66	0.00	0.00
6.70	0.64	33.24	9.00	0.69	6.70	113.52	87.03	0.89	0.26	1.07	0.24	0.76	0.18	6.70	0.64	3.30	3.30	FALSO	4.00	6.70	0.02	2.00	0.00	6.65	0.00	0.00
6.72	0.61	31.56	9.00	0.66	6.72	113.86	87.17	0.88	0.26	1.07	0.24	0.76	0.18	6.72	0.61	3.32	3.32	FALSO	4.00	6.72	0.02	2.00	0.00	6.64	0.00	0.00
6.74	0.57	28.67	9.00	0.62	6.74	114.19	87.31	0.88	0.26	1.07	0.24	0.76	0.18	6.74	0.57	3.35	3.35	FALSO	4.00	6.74	0.02	2.00	0.00	6.63	0.00	0.00
6.76	0.52	28.04	9.00	0.57	6.76	114.52	87.45	0.88	0.26	1.07	0.24	0.76	0.18	6.76	0.52	3.41	3.41	FALSO	4.00	6.76	0.02	2.00	0.00	6.62	0.00	0.00
6.78	0.46	28.44	9.00	0.52	6.78	114.85	87.58	0.88	0.26	1.07	0.24	0.76	0.18	6.78	0.46	3.49	3.49	FALSO	4.00	6.78	0.02	2.00	0.00	6.61	0.00	0.00
6.80	0.45	25.79	9.00	0.51	6.80	115.18	87.71	0.88	0.26	1.07	0.24	0.76	0.18	6.80	0.45	3.48	3.48	FALSO	4.00	6.80	0.02	2.00	0.00	6.60	0.00	0.00
6.82	0.43	24.07	9.00	0.49	6.82	115.51	87.85	0.88	0.26	1.07	0.24	0.76	0.18	6.82	0.43	3.49	3.49	FALSO	4.00	6.82	0.02	2.00	0.00	6.59	0.00	0.00
6.84	0.43	21.50	9.00	0.49	6.84	115.83	87.97	0.88	0.26	1.07	0.24	0.76	0.18	6.84	0.43	3.46	3.46	FALSO	4.00	6.84	0.02	2.00	0.00	6.58	0.00	0.00
6.86	0.44	19.19	9.00	0.50	6.86	116.16	88.10	0.88	0.26	1.07	0.24	0.76	0.18	6.86	0.44	3.41	3.41	FALSO	4.00	6.86	0.02	2.00	0.00	6.57	0.00	0.00
6.88	0.40	17.54	9.00	0.46	6.88	116.48	88.22	0.88	0.26	1.07	0.24	0.76	0.18	6.88	0.40	3.46	3.46	FALSO	4.00	6.88	0.02	2.00	0.00	6.56	0.00	0.00
6.90	0.45	15.82	9.00	0.51	6.90	116.79	88.35	0.88	0.26	1.07	0.24	0.76	0.18	6.90	0.45	3.35	3.35	FALSO	4.00	6.90	0.02	2.00	0.00	6.55	0.00	0.00
6.92	0.47	13.28	9.00	0.54	6.92	117.11	88.46	0.88	0.26	1.07	0.24	0.76	0.18	6.92	0.47	3.28	3.28	FALSO	4.00	6.92	0.02	2.00	0.00	6.54	0.00	0.00
6.94	0.47	12.06	9.00	0.53	6.94	117.42	88.58	0.88	0.26	1.07	0.24	0.76	0.18	6.94	0.47	3.27	3.27	FALSO	4.00	6.94	0.02	2.00	0.00	6.53	0.00	0.00
6.96	0.49	11.46	9.00	0.55	6.96	117.73	88.70	0.88	0.26	1.07	0.24	0.76	0.18	6.96	0.49	3.23	3.23	FALSO	4.00	6.96	0.02	2.00	0.00	6.52	0.00	0.00
6.98	0.51	10.54	9.00	0.57	6.98	118.04	88.81	0.88	0.26	1.07	0.24	0.76	0.18	6.98	0.51	3.19	3.19	FALSO	4.00	6.98	0.02	2.00	0.00	6.51	0.00	0.00
7.00	0.55	9.69	9.00	0.61	7.00	118.35	88.92	0.88	0.26	1.07	0.24	0.76	0.18	7.00	0.55	3.12	3.12	FALSO	4.00	7.00	0.02	2.00	0.00	6.50	0.00	0.00
7.02	0.61	8.74	9.00	0.68	7.02	118.66	89.03	0.88	0.26	1.07	0.24	0.76	0.18	7.02	0.61	3.02	3.02	FALSO	4.00	7.02	0.02	2.00	0.00	6.49	0.00	0.00
7.04	0.69	8.97	9.00	0.75	7.04	118.97	89.14	0.88	0.26	1.07	0.24	0.76	0.18	7.04	0.69	2.96	2.96	FALSO	4.00	7.04	0.02	2.00	0.00	6.48	0.00	0.00
7.06	0.73	11.00	9.00	0.79	7.06	119.28	89.26	0.88	0.26	1.07	0.24	0.76	0.18	7.06	0.73	2.96	2.96	FALSO	4.00	7.06	0.02	2.00	0.00	6.47	0.00	0.00
7.08	0.74	12.71	9.00	0.80	7.08	119.59	89.38	0.88	0.26	1.07	0.24	0.76	0.18	7.08	0.74	2.99	2.99	FALSO	4.00	7.08	0.02	2.00	0.00	6.46	0.00	0.00
7.10	0.77	15.28	9.00	0.83	7.10	119.92	89.50	0.88	0.26	1.07	0.24	0.76	0.18	7.10	0.77	3.00	3.00	FALSO	4.00	7.10	0.02	2.00	0.00	6.45	0.00	0.00
7.12	0.87	15.40	9.00	0.93	7.12	120.24	89.63	0.88	0.26	1.07	0.24	0.76	0.18	7.12	0.87	2.93	2.93	FALSO	4.00	7.12	0.02	2.00	0.00	6.44	0.00	0.00
7.14	0.91	15.97	9.00	0.97	7.14	120.56	89.76	0.88	0.26	1.07	0.24	0.76	0.18	7.14	0.91	2.91	2.91	FALSO	4.00	7.14	0.02	2.00	0.00	6.43	0.00	0.00
7.16	0.92	15.94	9.00	0.98	7.16	120.88	89.88	0.87	0.26	1.08	0.24	0.76	0.18	7.16	0.92	2.90										

7.44	2.77	21.14	9.00	2.77	7.44	125.57	91.82	0.87	0.26	1.10	0.24	0.76	0.18	7.44	2.77	2.31	2.31	VERO	4.00	7.44	0.02	2.00	0.00	6.28	0.00	0.05
7.46	2.85	20.65	9.00	2.86	7.46	125.91	91.96	0.87	0.26	1.10	0.24	0.76	0.18	7.46	2.85	2.29	2.29	VERO	4.00	7.46	0.02	2.00	0.00	6.27	0.00	0.05
7.48	2.91	19.05	9.00	2.92	7.48	126.24	92.10	0.87	0.26	1.10	0.24	0.76	0.18	7.48	2.91	2.26	2.26	VERO	4.00	7.48	0.02	2.00	0.00	6.26	0.00	0.05
7.50	2.96	16.42	9.00	2.97	7.50	126.58	92.24	0.87	0.26	1.10	0.24	0.76	0.18	7.50	2.96	2.22	2.22	VERO	4.00	7.50	0.02	2.00	0.00	6.25	0.00	0.05
7.52	2.91	15.51	9.00	2.92	7.52	126.91	92.38	0.87	0.26	1.09	0.24	0.76	0.18	7.52	2.91	2.22	2.22	VERO	0.12	7.52	0.02	0.66	0.34	6.24	0.04	0.09
7.54	2.85	14.59	9.00	2.86	7.54	127.24	92.51	0.87	0.26	1.09	0.24	0.76	0.18	7.54	2.85	2.22	2.22	VERO	0.12	7.54	0.02	0.66	0.34	6.23	0.04	0.13
7.56	2.87	14.42	9.00	2.88	7.56	127.57	92.64	0.87	0.26	1.09	0.24	0.76	0.18	7.56	2.87	2.21	2.21	VERO	0.11	7.56	0.02	0.61	0.39	6.22	0.05	0.18
7.58	2.89	16.13	9.00	2.90	7.58	127.90	92.78	0.87	0.26	1.10	0.24	0.76	0.18	7.58	2.89	2.23	2.23	VERO	4.00	7.58	0.02	2.00	0.00	6.21	0.00	0.18
7.60	2.88	20.87	9.00	2.89	7.60	128.24	92.92	0.86	0.26	1.10	0.24	0.76	0.18	7.60	2.88	2.29	2.29	VERO	4.00	7.60	0.02	2.00	0.00	6.20	0.00	0.18
7.62	2.68	24.21	9.00	2.69	7.62	128.58	93.06	0.86	0.26	1.10	0.24	0.76	0.18	7.62	2.68	2.36	2.36	VERO	4.00	7.62	0.02	2.00	0.00	6.19	0.00	0.18
7.64	2.46	26.90	9.00	2.46	7.64	128.92	93.21	0.86	0.26	1.10	0.24	0.76	0.18	7.64	2.46	2.44	2.44	VERO	4.00	7.64	0.02	2.00	0.00	6.18	0.00	0.18
7.66	2.20	25.61	9.00	2.20	7.66	129.26	93.35	0.86	0.26	1.09	0.24	0.76	0.18	7.66	2.20	2.50	2.50	VERO	4.00	7.66	0.02	2.00	0.00	6.17	0.00	0.18
7.68	1.94	25.98	9.00	1.94	7.68	129.60	93.50	0.86	0.26	1.09	0.24	0.76	0.18	7.68	1.94	2.58	2.58	VERO	4.00	7.68	0.02	2.00	0.00	6.16	0.00	0.18
7.70	1.74	29.55	9.00	1.75	7.70	129.94	93.64	0.86	0.26	1.09	0.24	0.76	0.18	7.70	1.74	2.68	2.68	FALSO	4.00	7.70	0.02	2.00	0.00	6.15	0.00	0.18
7.72	1.82	31.98	9.00	1.83	7.72	130.28	93.79	0.86	0.26	1.09	0.24	0.76	0.18	7.72	1.82	2.67	2.67	FALSO	4.00	7.72	0.02	2.00	0.00	6.14	0.00	0.18
7.74	1.92	34.43	9.00	1.94	7.74	130.63	93.94	0.86	0.26	1.09	0.24	0.76	0.18	7.74	1.92	2.65	2.65	FALSO	4.00	7.74	0.02	2.00	0.00	6.13	0.00	0.18
7.76	1.97	39.46	9.00	1.98	7.76	130.98	94.09	0.86	0.26	1.09	0.24	0.76	0.18	7.76	1.97	2.67	2.67	FALSO	4.00	7.76	0.02	2.00	0.00	6.12	0.00	0.18
7.78	1.83	40.74	9.00	1.84	7.78	131.33	94.25	0.86	0.26	1.09	0.24	0.76	0.18	7.78	1.83	2.73	2.73	FALSO	4.00	7.78	0.02	2.00	0.00	6.11	0.00	0.18
7.80	1.60	35.86	9.00	1.60	7.80	131.68	94.40	0.86	0.27	1.09	0.24	0.76	0.18	7.80	1.60	2.79	2.79	FALSO	4.00	7.80	0.02	2.00	0.00	6.10	0.00	0.18
7.82	1.32	33.09	9.00	1.33	7.82	132.02	94.54	0.86	0.27	1.08	0.25	0.76	0.19	7.82	1.32	2.89	2.89	FALSO	4.00	7.82	0.02	2.00	0.00	6.09	0.00	0.18
7.84	1.07	29.52	9.00	1.08	7.84	132.36	94.69	0.86	0.27	1.08	0.25	0.76	0.19	7.84	1.07	3.00	3.00	FALSO	4.00	7.84	0.02	2.00	0.00	6.08	0.00	0.18
7.86	1.00	23.49	9.00	1.07	7.86	132.69	94.82	0.86	0.27	1.08	0.25	0.76	0.19	7.86	1.00	2.96	2.96	FALSO	4.00	7.86	0.02	2.00	0.00	6.07	0.00	0.18
7.88	1.13	18.20	9.00	1.25	7.88	133.02	94.95	0.86	0.27	1.08	0.25	0.76	0.19	7.88	1.13	2.80	2.80	FALSO	4.00	7.88	0.02	2.00	0.00	6.06	0.00	0.18
7.90	1.65	27.34	9.00	1.69	7.90	133.36	95.10	0.86	0.27	1.09	0.24	0.76	0.18	7.90	1.65	2.69	2.69	FALSO	4.00	7.90	0.02	2.00	0.00	6.05	0.00	0.18
7.92	1.69	31.02	9.00	1.74	7.92	133.70	95.25	0.86	0.27	1.09	0.24	0.76	0.18	7.92	1.69	2.70	2.70	FALSO	4.00	7.92	0.02	2.00	0.00	6.04	0.00	0.18
7.94	1.84	32.99	9.00	1.89	7.94	134.05	95.39	0.86	0.27	1.09	0.24	0.76	0.18	7.94	1.84	2.66	2.66	FALSO	4.00	7.94	0.02	2.00	0.00	6.03	0.00	0.18
7.96	2.13	39.08	9.00	2.17	7.96	134.40	95.55	0.86	0.27	1.09	0.24	0.76	0.18	7.96	2.13	2.62	2.62	FALSO	4.00	7.96	0.02	2.00	0.00	6.02	0.00	0.18
7.98	2.24	44.22	9.00	2.27	7.98	134.75	95.71	0.86	0.27	1.10	0.24	0.76	0.18	7.98	2.24	2.62	2.62	FALSO	4.00	7.98	0.02	2.00	0.00	6.01	0.00	0.18
8.00	2.23	49.13	9.00	2.25	8.00	135.10	95.86	0.86	0.27	1.10	0.24	0.76	0.18	8.00	2.23	2.65	2.65	FALSO	4.00	8.00	0.02	2.00	0.00	6.00	0.00	0.18
8.02	2.05	50.10	9.00	2.07	8.02	135.46	96.02	0.85	0.27	1.09	0.24	0.76	0.18	8.02	2.05	2.71	2.71	FALSO	4.00	8.02	0.02	2.00	0.00	5.99	0.00	0.18
8.04	1.83	45.82	9.00	1.84	8.04	135.81	96.18	0.85	0.27	1.09	0.24	0.76	0.18	8.04	1.83	2.77	2.77	FALSO	4.00	8.04	0.02	2.00	0.00	5.98	0.00	0.18
8.06	1.65	38.30	9.00	1.67	8.06	136.16	96.33	0.85	0.27	1.09	0.25	0.76	0.19	8.06	1.65	2.79	2.79	FALSO	4.00	8.06	0.02	2.00	0.00	5.97	0.00	0.18
8.08	1.49	33.02	9.00	1.52	8.08	136.50	96.48	0.85	0.27	1.08	0.25	0.76	0.19	8.08	1.49	2.81	2.81	FALSO	4.00	8.08	0.02	2.00	0.00	5.96	0.00	0.18
8.10	1.44	31.99	9.00	1.46	8.10	136.85	96.62	0.85	0.27	1.08	0.25	0.76	0.19	8.10	1.44	2.83	2.83	FALSO	4.00	8.10	0.02	2.00	0.00	5.95	0.00	0.18
8.12	1.29	33.02	9.00	1.32	8.12	137.19	96.77	0.85	0.27	1.08	0.25	0.76	0.19	8.12	1.29	2.91	2.91	FALSO	4.00	8.12	0.02	2.00	0.00	5.94	0.00	0.18
8.14	1.18	29.54	9.00	1.21	8.14	137.53	96.91	0.85	0.27	1.08	0.25	0.76	0.19	8.14	1.18	2.94	2.94	FALSO	4.00	8.14	0.02	2.00	0.00	5.93	0.00	0.18
8.16	1.19	28.25	9.00	1.23	8.16	137.87	97.06	0.85	0.27	1.08	0.25	0.76	0.19	8.16	1.19	2.92	2.92	FALSO	4.00	8.16	0.02	2.00	0.00	5.92	0.00	0.18
8.18	1.16	26.65	9.00	1.20	8.18	138.20	97.20	0.85	0.27	1.08	0.25	0.76	0.19	8.18	1.16	2.92	2.92	FALSO	4.00	8.18	0.02	2.00	0.00	5.91	0.00	0.18
8.20	1.13	25.42	9.00	1.18	8.20	138.54	97.34	0.85	0.27	1.08	0.25	0.76	0.19	8.20	1.13	2.92	2.92	FALSO	4.00	8.20	0.02	2.00	0.00	5.90	0.00	0.18
8.22	1.09	25.77	9.00	1.15	8.22	138.87	97.47	0.85	0.27	1.08	0.25	0.76	0.19	8.22	1.09	2.95	2.95	FALSO	4.00	8.22	0.02	2.00	0.00	5.89	0.00	0.18
8.24	1.10	23.85	9.00	1.16	8.24	139.21	97.61	0.85	0.27	1.08	0.25	0.76	0.19	8.24	1.10	2.92	2.92	FALSO	4.00	8.24	0.02	2.00	0.00	5.88	0.00	0.18
8.26	1.07	23.17	9.00	1.12	8.26	139.54	97.75	0.85	0.27	1.08	0.25	0.76	0.19	8.26	1.07	2.94	2.94	FALSO	4.00	8.26	0.02	2.00	0.00	5.87	0.00	0.18
8.28	1.04	22.68	9.00	1.09	8.28	139.87	97.89	0.85	0.27	1.08	0.25	0.76	0.19	8.28	1.04	2.95	2.95	FALSO	4.00	8.28	0.02	2.00	0.00	5.86	0.00	0.18
8.30	0.95	24.85	9.00	1.00	8.30	140.21	98.02	0.85	0.27	1.08	0.25	0.76	0.19	8.30	0.95	3.03	3.03	FALSO	4.00	8.30	0.02	2.00	0.00	5.85	0.00	0.18
8.32	0.89	25.73	9.00	0.94	8.32	140.54	98.16	0.85	0.27	1.07	0.25	0.76	0.19	8.32	0.89	3.09	3.09	FALSO	4.00	8.32	0.02	2.00	0.00	5.84	0.00	0.18
8.34	0.85	24.25	9.00	0.91	8.34	140.87	98.30	0.85	0.27	1.07	0.25	0.76	0.19	8.34	0.85	3.10	3.10	FALSO	4.00	8.34	0.02	2.00	0.00	5.83	0.00	0.18
8.36	0.90	22.08	9.00	0.96	8.36	141.20	98.43	0.85	0.27	1.07	0.25	0.76	0.19	8.36	0.90	3.04	3.04	FALSO	4.00	8.36	0.02	2.00	0.00	5.82	0.00	0.18
8.38	0.85	21.16	9.00	0.91	8.38	141.53	98.56	0.85	0.27	1.07	0.25	0.76	0.19	8.38	0.85	3.07	3.07	FALSO	4.00	8.38	0.02	2.00	0.00	5.81	0.00	0.18
8.40	0.81	18.74	9.00	0.87	8.40	141.86	98.69	0.85	0.27	1.07	0.25	0.76	0.19	8.40	0.81	3.07	3.07	FALSO	4.00	8.40	0.02	2.00	0.00	5.80	0.00	0.18
8.42	0.75	16.45	9.00	0.81	8.42	142.18	98.82	0.85	0.27	1.07	0.25	0.76	0.19	8.42	0.75	3.09</										

8.70	0.68	29.10	9.00	0.74	8.70	146.79	100.68	0.84	0.27	1.07	0.25	0.76	0.19	8.70	0.68	3.31	3.31	FALSO	4.00	8.70	0.02	2.00	0.00	5.65	0.00	0.18
8.72	0.68	27.96	9.00	0.74	8.72	147.12	100.82	0.84	0.27	1.07	0.25	0.76	0.19	8.72	0.68	3.30	3.30	FALSO	4.00	8.72	0.02	2.00	0.00	5.64	0.00	0.18
8.74	0.69	25.82	9.00	0.75	8.74	147.45	100.95	0.84	0.27	1.07	0.25	0.76	0.19	8.74	0.69	3.27	3.27	FALSO	4.00	8.74	0.02	2.00	0.00	5.63	0.00	0.18
8.76	0.67	23.27	9.00	0.73	8.76	147.78	101.09	0.84	0.27	1.07	0.25	0.76	0.19	8.76	0.67	3.27	3.27	FALSO	4.00	8.76	0.02	2.00	0.00	5.62	0.00	0.18
8.78	0.67	21.22	9.00	0.72	8.78	148.11	101.22	0.84	0.27	1.07	0.25	0.76	0.19	8.78	0.67	3.25	3.25	FALSO	4.00	8.78	0.02	2.00	0.00	5.61	0.00	0.18
8.80	0.71	17.31	9.00	0.77	8.80	148.43	101.35	0.84	0.27	1.07	0.25	0.76	0.19	8.80	0.71	3.15	3.15	FALSO	4.00	8.80	0.02	2.00	0.00	5.60	0.00	0.18
8.82	0.76	15.31	9.00	0.83	8.82	148.75	101.47	0.84	0.27	1.07	0.25	0.76	0.19	8.82	0.76	3.08	3.08	FALSO	4.00	8.82	0.02	2.00	0.00	5.59	0.00	0.18
8.84	0.77	14.68	9.00	0.84	8.84	149.07	101.59	0.84	0.27	1.07	0.25	0.76	0.19	8.84	0.77	3.06	3.06	FALSO	4.00	8.84	0.02	2.00	0.00	5.58	0.00	0.18
8.86	0.82	13.99	9.00	0.89	8.86	149.39	101.72	0.83	0.27	1.07	0.25	0.76	0.19	8.86	0.82	3.01	3.01	FALSO	4.00	8.86	0.02	2.00	0.00	5.57	0.00	0.18
8.88	0.88	13.76	9.00	0.94	8.88	149.71	101.84	0.83	0.27	1.07	0.25	0.76	0.19	8.88	0.88	2.96	2.96	FALSO	4.00	8.88	0.02	2.00	0.00	5.56	0.00	0.18
8.90	0.91	6.47	9.00	0.96	8.90	150.02	101.95	0.83	0.27	1.07	0.25	0.76	0.19	8.90	0.91	2.80	2.80	FALSO	4.00	8.90	0.02	2.00	0.00	5.55	0.00	0.18
8.92	1.30	14.30	9.00	1.35	8.92	150.34	102.07	0.83	0.27	1.08	0.25	0.76	0.19	8.92	1.30	2.73	2.73	FALSO	4.00	8.92	0.02	2.00	0.00	5.54	0.00	0.18
8.94	1.39	17.07	9.00	1.43	8.94	150.67	102.21	0.83	0.27	1.08	0.25	0.76	0.19	8.94	1.39	2.73	2.73	FALSO	4.00	8.94	0.02	2.00	0.00	5.53	0.00	0.18
8.96	1.71	21.92	9.00	1.76	8.96	151.00	102.35	0.83	0.27	1.08	0.25	0.76	0.19	8.96	1.71	2.65	2.65	FALSO	4.00	8.96	0.02	2.00	0.00	5.52	0.00	0.18
8.98	1.69	24.00	9.00	1.73	8.98	151.34	102.49	0.83	0.27	1.08	0.25	0.76	0.19	8.98	1.69	2.68	2.68	FALSO	4.00	8.98	0.02	2.00	0.00	5.51	0.00	0.18
9.00	1.43	21.66	9.00	1.47	9.00	151.67	102.62	0.83	0.27	1.08	0.25	0.76	0.19	9.00	1.43	2.77	2.77	FALSO	4.00	9.00	0.02	2.00	0.00	5.50	0.00	0.18
9.02	1.07	23.38	9.00	1.10	9.02	152.01	102.76	0.83	0.27	1.08	0.25	0.76	0.19	9.02	1.07	2.98	2.98	FALSO	4.00	9.02	0.02	2.00	0.00	5.49	0.00	0.18
9.04	0.92	26.60	9.00	0.96	9.04	152.34	102.90	0.83	0.27	1.07	0.25	0.76	0.19	9.04	0.92	3.11	3.11	FALSO	4.00	9.04	0.02	2.00	0.00	5.48	0.00	0.18
9.06	1.20	21.15	9.00	1.25	9.06	152.67	103.03	0.83	0.27	1.08	0.25	0.76	0.19	9.06	1.20	2.87	2.87	FALSO	4.00	9.06	0.02	2.00	0.00	5.47	0.00	0.18
9.08	1.48	24.32	9.00	1.53	9.08	153.01	103.17	0.83	0.27	1.08	0.25	0.76	0.19	9.08	1.48	2.76	2.76	FALSO	4.00	9.08	0.02	2.00	0.00	5.46	0.00	0.18
9.10	1.46	25.23	9.00	1.50	9.10	153.35	103.32	0.83	0.27	1.08	0.25	0.76	0.19	9.10	1.46	2.79	2.79	FALSO	4.00	9.10	0.02	2.00	0.00	5.45	0.00	0.18
9.12	1.23	25.83	9.00	1.28	9.12	153.68	103.46	0.83	0.27	1.08	0.25	0.76	0.19	9.12	1.23	2.90	2.90	FALSO	4.00	9.12	0.02	2.00	0.00	5.44	0.00	0.18
9.14	1.00	24.92	9.00	1.04	9.14	154.02	103.59	0.83	0.27	1.08	0.25	0.76	0.19	9.14	1.00	3.04	3.04	FALSO	4.00	9.14	0.02	2.00	0.00	5.43	0.00	0.18
9.16	0.97	26.23	9.00	1.01	9.16	154.35	103.73	0.83	0.27	1.08	0.25	0.76	0.19	9.16	0.97	3.07	3.07	FALSO	4.00	9.16	0.02	2.00	0.00	5.42	0.00	0.18
9.18	1.01	25.23	9.00	1.05	9.18	154.69	103.87	0.83	0.27	1.08	0.25	0.76	0.19	9.18	1.01	3.04	3.04	FALSO	4.00	9.18	0.02	2.00	0.00	5.41	0.00	0.18
9.20	1.11	23.35	9.00	1.16	9.20	155.02	104.01	0.83	0.27	1.08	0.25	0.76	0.19	9.20	1.11	2.95	2.95	FALSO	4.00	9.20	0.02	2.00	0.00	5.40	0.00	0.18
9.22	1.49	24.03	9.00	1.55	9.22	155.36	104.15	0.83	0.27	1.08	0.25	0.76	0.19	9.22	1.49	2.76	2.76	FALSO	4.00	9.22	0.02	2.00	0.00	5.39	0.00	0.18
9.24	1.77	24.03	9.00	1.82	9.24	155.69	104.29	0.83	0.27	1.08	0.25	0.76	0.19	9.24	1.77	2.65	2.65	FALSO	4.00	9.24	0.02	2.00	0.00	5.38	0.00	0.18
9.26	1.57	20.52	9.00	1.61	9.26	156.03	104.43	0.83	0.27	1.08	0.25	0.76	0.19	9.26	1.57	2.70	2.70	FALSO	4.00	9.26	0.02	2.00	0.00	5.37	0.00	0.18
9.28	1.21	19.29	9.00	1.25	9.28	156.36	104.56	0.83	0.27	1.08	0.25	0.76	0.19	9.28	1.21	2.85	2.85	FALSO	4.00	9.28	0.02	2.00	0.00	5.36	0.00	0.18
9.30	0.98	18.95	9.00	1.02	9.30	156.68	104.69	0.82	0.27	1.08	0.25	0.76	0.19	9.30	0.98	3.00	3.00	FALSO	4.00	9.30	0.02	2.00	0.00	5.35	0.00	0.18
9.32	0.88	25.37	9.00	0.92	9.32	157.02	104.83	0.82	0.27	1.07	0.25	0.76	0.19	9.32	0.88	3.14	3.14	FALSO	4.00	9.32	0.02	2.00	0.00	5.34	0.00	0.18
9.34	0.93	22.55	9.00	0.97	9.34	157.35	104.96	0.82	0.27	1.07	0.25	0.76	0.19	9.34	0.93	3.07	3.07	FALSO	4.00	9.34	0.02	2.00	0.00	5.33	0.00	0.18
9.36	0.99	24.55	9.00	1.03	9.36	157.68	105.10	0.82	0.27	1.08	0.25	0.76	0.19	9.36	0.99	3.05	3.05	FALSO	4.00	9.36	0.02	2.00	0.00	5.32	0.00	0.18
9.38	1.04	26.40	9.00	1.09	9.38	158.02	105.24	0.82	0.27	1.08	0.25	0.76	0.19	9.38	1.04	3.03	3.03	FALSO	4.00	9.38	0.02	2.00	0.00	5.31	0.00	0.18
9.40	0.92	24.80	9.00	0.96	9.40	158.35	105.38	0.82	0.27	1.07	0.25	0.76	0.19	9.40	0.92	3.10	3.10	FALSO	4.00	9.40	0.02	2.00	0.00	5.30	0.00	0.18
9.42	0.84	23.32	9.00	0.88	9.42	158.68	105.51	0.82	0.27	1.07	0.25	0.76	0.19	9.42	0.84	3.15	3.15	FALSO	4.00	9.42	0.02	2.00	0.00	5.29	0.00	0.18
9.44	0.80	19.80	9.00	0.85	9.44	159.01	105.64	0.82	0.27	1.07	0.25	0.76	0.19	9.44	0.80	3.14	3.14	FALSO	4.00	9.44	0.02	2.00	0.00	5.28	0.00	0.18
9.46	0.77	14.86	9.00	0.81	9.46	159.33	105.77	0.82	0.27	1.07	0.25	0.76	0.19	9.46	0.77	3.11	3.11	FALSO	4.00	9.46	0.02	2.00	0.00	5.27	0.00	0.18
9.48	0.67	16.00	9.00	0.71	9.48	159.65	105.89	0.82	0.27	1.07	0.26	0.76	0.20	9.48	0.67	3.23	3.23	FALSO	4.00	9.48	0.02	2.00	0.00	5.26	0.00	0.18
9.50	0.65	14.03	9.00	0.70	9.50	159.97	106.01	0.82	0.27	1.07	0.26	0.76	0.20	9.50	0.65	3.22	3.22	FALSO	4.00	9.50	0.02	2.00	0.00	5.25	0.00	0.18
9.52	0.66	14.75	9.00	0.70	9.52	160.29	106.14	0.82	0.27	1.07	0.26	0.76	0.20	9.52	0.66	3.22	3.22	FALSO	4.00	9.52	0.02	2.00	0.00	5.24	0.00	0.18
9.54	0.67	13.55	9.00	0.72	9.54	160.60	106.26	0.82	0.27	1.07	0.26	0.76	0.20	9.54	0.67	3.18	3.18	FALSO	4.00	9.54	0.02	2.00	0.00	5.23	0.00	0.18
9.56	0.70	13.12	9.00	0.75	9.56	160.92	106.38	0.82	0.27	1.07	0.26	0.76	0.20	9.56	0.70	3.15	3.15	FALSO	4.00	9.56	0.02	2.00	0.00	5.22	0.00	0.18
9.58	0.69	12.35	9.00	0.74	9.58	161.24	106.50	0.82	0.27	1.07	0.26	0.76	0.20	9.58	0.69	3.14	3.14	FALSO	4.00	9.58	0.02	2.00	0.00	5.21	0.00	0.18
9.60	0.71	11.18	9.00	0.76	9.60	161.55	106.61	0.82	0.27	1.07	0.26	0.76	0.20	9.60	0.71	3.10	3.10	FALSO	4.00	9.60	0.02	2.00	0.00	5.20	0.00	0.18
9.62	0.75	10.46	9.00	0.80	9.62	161.86	106.73	0.82	0.27	1.07	0.26	0.76	0.20	9.62	0.75	3.05	3.05	FALSO	4.00	9.62	0.02	2.00	0.00	5.19	0.00	0.18
9.64	0.77	10.95	9.00	0.82	9.64	162.17	106.85	0.82	0.27	1.07	0.26	0.76	0.20	9.64	0.77	3.04	3.04	FALSO	4.00	9.64	0.02	2.00	0.00	5.18	0.00	0.18
9.66	0.72	12.69	9.00	0.77	9.66	162.49	106.97	0.82	0.27	1.07	0.26	0.76	0.20	9.66	0.72	3.12	3.12	FALSO	4.00	9.66	0.02	2.00	0.00	5.17	0.00	0.18
9.68	0.69	12.18	9.00	0.74	9.68	162.81	107.09	0.82	0.27	1.07	0															

9.96	0.77	22.24	9.00	0.82	9.96	167.32	108.85	0.81	0.27	1.07	0.26	0.76	0.20	9.96	0.77	3.22	3.22	FALSO	4.00	9.96	0.02	2.00	0.00	5.02	0.00	0.18
9.98	0.73	20.53	9.00	0.78	9.98	167.64	108.98	0.81	0.27	1.07	0.26	0.76	0.20	9.98	0.73	3.23	3.23	FALSO	4.00	9.98	0.02	2.00	0.00	5.01	0.00	0.18
10.00	0.68	17.27	9.00	0.73	10.00	167.97	109.11	0.81	0.27	1.07	0.26	0.76	0.20	10.00	0.68	3.25	3.25	FALSO	4.00	10.00	0.02	2.00	0.00	5.00	0.00	0.18
10.02	0.67	14.45	9.00	0.72	10.02	168.28	109.23	0.81	0.27	1.07	0.26	0.76	0.20	10.02	0.67	3.22	3.22	FALSO	4.00	10.02	0.02	2.00	0.00	4.99	0.00	0.18
10.04	0.65	12.96	9.00	0.70	10.04	168.60	109.35	0.81	0.27	1.07	0.26	0.76	0.20	10.04	0.65	3.21	3.21	FALSO	4.00	10.04	0.02	2.00	0.00	4.98	0.00	0.18
10.06	0.65	11.85	9.00	0.70	10.06	168.91	109.47	0.81	0.27	1.07	0.26	0.76	0.20	10.06	0.65	3.20	3.20	FALSO	4.00	10.06	0.02	2.00	0.00	4.97	0.00	0.18
10.08	0.66	11.30	9.00	0.72	10.08	169.23	109.58	0.81	0.28	1.07	0.26	0.76	0.20	10.08	0.66	3.17	3.17	FALSO	4.00	10.08	0.02	2.00	0.00	4.96	0.00	0.18
10.10	0.71	11.05	9.00	0.77	10.10	169.54	109.70	0.81	0.28	1.07	0.26	0.76	0.20	10.10	0.71	3.11	3.11	FALSO	4.00	10.10	0.02	2.00	0.00	4.95	0.00	0.18
10.12	0.76	11.50	9.00	0.81	10.12	169.85	109.82	0.80	0.28	1.07	0.26	0.76	0.20	10.12	0.76	3.08	3.08	FALSO	4.00	10.12	0.02	2.00	0.00	4.94	0.00	0.18
10.14	0.74	12.16	9.00	0.79	10.14	170.17	109.94	0.80	0.28	1.07	0.26	0.76	0.20	10.14	0.74	3.11	3.11	FALSO	4.00	10.14	0.02	2.00	0.00	4.93	0.00	0.18
10.16	0.70	11.79	9.00	0.75	10.16	170.48	110.06	0.80	0.28	1.07	0.26	0.76	0.20	10.16	0.70	3.14	3.14	FALSO	4.00	10.16	0.02	2.00	0.00	4.92	0.00	0.18
10.18	0.64	11.22	9.00	0.70	10.18	170.80	110.17	0.80	0.28	1.07	0.26	0.76	0.20	10.18	0.64	3.19	3.19	FALSO	4.00	10.18	0.02	2.00	0.00	4.91	0.00	0.18
10.20	0.65	9.50	9.00	0.71	10.20	171.11	110.28	0.80	0.28	1.07	0.26	0.76	0.20	10.20	0.65	3.15	3.15	FALSO	4.00	10.20	0.02	2.00	0.00	4.90	0.00	0.18
10.22	0.70	9.19	9.00	0.76	10.22	171.41	110.40	0.80	0.28	1.07	0.26	0.76	0.20	10.22	0.70	3.09	3.09	FALSO	4.00	10.22	0.02	2.00	0.00	4.89	0.00	0.18
10.24	0.72	9.19	9.00	0.78	10.24	171.72	110.51	0.80	0.28	1.07	0.26	0.76	0.20	10.24	0.72	3.06	3.06	FALSO	4.00	10.24	0.02	2.00	0.00	4.88	0.00	0.18
10.26	0.69	9.16	9.00	0.75	10.26	172.03	110.62	0.80	0.28	1.07	0.26	0.76	0.20	10.26	0.69	3.10	3.10	FALSO	4.00	10.26	0.02	2.00	0.00	4.87	0.00	0.18
10.28	0.65	7.71	9.00	0.70	10.28	172.34	110.73	0.80	0.28	1.07	0.26	0.76	0.20	10.28	0.65	3.11	3.11	FALSO	4.00	10.28	0.02	2.00	0.00	4.86	0.00	0.18
10.30	0.65	7.33	9.00	0.71	10.30	172.64	110.84	0.80	0.28	1.07	0.26	0.76	0.20	10.30	0.65	3.10	3.10	FALSO	4.00	10.30	0.02	2.00	0.00	4.85	0.00	0.18
10.32	0.67	7.22	9.00	0.73	10.32	172.94	110.94	0.80	0.28	1.07	0.26	0.76	0.20	10.32	0.67	3.07	3.07	FALSO	4.00	10.32	0.02	2.00	0.00	4.84	0.00	0.18
10.34	0.70	8.02	9.00	0.76	10.34	173.25	111.05	0.80	0.28	1.07	0.26	0.76	0.20	10.34	0.70	3.06	3.06	FALSO	4.00	10.34	0.02	2.00	0.00	4.83	0.00	0.18
10.36	0.80	8.90	9.00	0.87	10.36	173.56	111.16	0.80	0.28	1.07	0.26	0.76	0.20	10.36	0.80	2.99	2.99	FALSO	4.00	10.36	0.02	2.00	0.00	4.82	0.00	0.18
10.38	0.90	10.53	9.00	0.97	10.38	173.87	111.28	0.80	0.28	1.07	0.26	0.76	0.20	10.38	0.90	2.94	2.94	FALSO	4.00	10.38	0.02	2.00	0.00	4.81	0.00	0.18
10.40	0.86	11.56	9.00	0.92	10.40	174.19	111.40	0.80	0.28	1.07	0.26	0.76	0.20	10.40	0.86	3.00	3.00	FALSO	4.00	10.40	0.02	2.00	0.00	4.80	0.00	0.18
10.42	0.73	11.65	9.00	0.79	10.42	174.50	111.52	0.80	0.28	1.07	0.26	0.76	0.20	10.42	0.73	3.11	3.11	FALSO	4.00	10.42	0.02	2.00	0.00	4.79	0.00	0.18
10.44	0.69	11.07	9.00	0.75	10.44	174.81	111.64	0.80	0.28	1.07	0.26	0.76	0.20	10.44	0.69	3.14	3.14	FALSO	4.00	10.44	0.02	2.00	0.00	4.78	0.00	0.18
10.46	0.67	10.30	9.00	0.74	10.46	175.12	111.75	0.80	0.28	1.07	0.26	0.76	0.20	10.46	0.67	3.14	3.14	FALSO	4.00	10.46	0.02	2.00	0.00	4.77	0.00	0.18
10.48	0.70	10.05	9.00	0.76	10.48	175.43	111.87	0.80	0.28	1.07	0.26	0.76	0.20	10.48	0.70	3.11	3.11	FALSO	4.00	10.48	0.02	2.00	0.00	4.76	0.00	0.18
10.50	0.76	11.53	9.00	0.82	10.50	175.75	111.98	0.80	0.28	1.07	0.26	0.76	0.20	10.50	0.76	3.08	3.08	FALSO	4.00	10.50	0.02	2.00	0.00	4.75	0.00	0.18
10.52	0.85	14.02	9.00	0.92	10.52	176.07	112.11	0.80	0.28	1.07	0.26	0.76	0.20	10.52	0.85	3.04	3.04	FALSO	4.00	10.52	0.02	2.00	0.00	4.74	0.00	0.18
10.54	0.83	15.90	9.00	0.90	10.54	176.39	112.23	0.79	0.28	1.07	0.26	0.76	0.20	10.54	0.83	3.09	3.09	FALSO	4.00	10.54	0.02	2.00	0.00	4.73	0.00	0.18
10.56	0.78	13.82	9.00	0.84	10.56	176.71	112.36	0.79	0.28	1.07	0.26	0.76	0.20	10.56	0.78	3.11	3.11	FALSO	4.00	10.56	0.02	2.00	0.00	4.72	0.00	0.18
10.58	0.75	12.65	9.00	0.82	10.58	177.03	112.48	0.79	0.28	1.07	0.26	0.76	0.20	10.58	0.75	3.11	3.11	FALSO	4.00	10.58	0.02	2.00	0.00	4.71	0.00	0.18
10.60	0.78	10.85	9.00	0.84	10.60	177.34	112.59	0.79	0.28	1.07	0.26	0.76	0.20	10.60	0.78	3.05	3.05	FALSO	4.00	10.60	0.02	2.00	0.00	4.70	0.00	0.18
10.62	0.83	10.19	9.00	0.90	10.62	177.65	112.71	0.79	0.28	1.07	0.26	0.76	0.20	10.62	0.83	2.99	2.99	FALSO	4.00	10.62	0.02	2.00	0.00	4.69	0.00	0.18
10.64	0.83	11.53	9.00	0.89	10.64	177.97	112.83	0.79	0.28	1.07	0.26	0.76	0.20	10.64	0.83	3.03	3.03	FALSO	4.00	10.64	0.02	2.00	0.00	4.68	0.00	0.18
10.66	0.80	11.82	9.00	0.86	10.66	178.28	112.95	0.79	0.28	1.07	0.26	0.76	0.20	10.66	0.80	3.06	3.06	FALSO	4.00	10.66	0.02	2.00	0.00	4.67	0.00	0.18
10.68	0.79	12.02	9.00	0.86	10.68	178.60	113.07	0.79	0.28	1.07	0.26	0.76	0.20	10.68	0.79	3.07	3.07	FALSO	4.00	10.68	0.02	2.00	0.00	4.66	0.00	0.18
10.70	0.79	11.73	9.00	0.86	10.70	178.91	113.19	0.79	0.28	1.07	0.26	0.76	0.20	10.70	0.79	3.06	3.06	FALSO	4.00	10.70	0.02	2.00	0.00	4.65	0.00	0.18
10.72	0.84	12.30	9.00	0.91	10.72	179.23	113.31	0.79	0.28	1.07	0.26	0.76	0.20	10.72	0.84	3.03	3.03	FALSO	4.00	10.72	0.02	2.00	0.00	4.64	0.00	0.18
10.74	0.83	12.93	9.00	0.90	10.74	179.55	113.43	0.79	0.28	1.07	0.26	0.76	0.20	10.74	0.83	3.05	3.05	FALSO	4.00	10.74	0.02	2.00	0.00	4.63	0.00	0.18
10.76	0.72	13.07	9.00	0.79	10.76	179.87	113.55	0.79	0.28	1.07	0.26	0.76	0.20	10.76	0.72	3.15	3.15	FALSO	4.00	10.76	0.02	2.00	0.00	4.62	0.00	0.18
10.78	0.67	10.25	9.00	0.73	10.78	180.18	113.67	0.79	0.28	1.07	0.26	0.76	0.20	10.78	0.67	3.16	3.16	FALSO	4.00	10.78	0.02	2.00	0.00	4.61	0.00	0.18
10.80	0.65	9.13	9.00	0.71	10.80	180.49	113.78	0.79	0.28	1.07	0.26	0.76	0.20	10.80	0.65	3.15	3.15	FALSO	4.00	10.80	0.02	2.00	0.00	4.60	0.00	0.18
10.82	0.67	7.99	9.00	0.74	10.82	180.79	113.89	0.79	0.28	1.07	0.26	0.76	0.20	10.82	0.67	3.10	3.10	FALSO	4.00	10.82	0.02	2.00	0.00	4.59	0.00	0.18
10.84	0.69	8.76	9.00	0.76	10.84	181.10	114.00	0.79	0.28	1.07	0.26	0.76	0.20	10.84	0.69	3.10	3.10	FALSO	4.00	10.84	0.02	2.00	0.00	4.58	0.00	0.18
10.86	0.74	9.39	9.00	0.82	10.86	181.41	114.11	0.79	0.28	1.07	0.26	0.76	0.20	10.86	0.74	3.06	3.06	FALSO	4.00	10.86	0.02	2.00	0.00	4.57	0.00	0.18
10.88	0.90	10.90	9.00	0.98	10.88	181.72	114.23	0.79	0.28	1.07	0.26	0.76	0.20	10.88	0.90	2.96	2.96	FALSO	4.00	10.88	0.02	2.00	0.00	4.56	0.00	0.18
10.90	1.28	17.77	9.00	1.34	10.90	182.05	114.36	0.79	0.28	1.08	0.26	0.76	0.20	10.90	1.28	2.84	2.84	FALSO	4.00	10.90	0.02	2.00	0.00	4.55	0.00	0.18
10.92	1.16	15.80	9.00	1.19	10.92	182.37	114.49	0.79	0.28	1.08	0.26	0.76	0.20	10.92	1.16	2.89	2.89	FALSO	4.00							

11.22	0.76	8.66	9.00	0.84	11.22	187.13	116.30	0.78	0.28	1.07	0.26	0.76	0.20	11.22	0.76	3.03	3.03	FALSO	4.00	11.22	0.02	2.00	0.00	4.39	0.00	0.18
11.24	0.76	9.11	9.00	0.84	11.24	187.44	116.41	0.78	0.28	1.07	0.26	0.76	0.20	11.24	0.76	3.04	3.04	FALSO	4.00	11.24	0.02	2.00	0.00	4.38	0.00	0.18
11.26	0.73	9.37	9.00	0.81	11.26	187.75	116.52	0.78	0.28	1.07	0.26	0.76	0.20	11.26	0.73	3.08	3.08	FALSO	4.00	11.26	0.02	2.00	0.00	4.37	0.00	0.18
11.28	0.87	8.69	9.00	0.96	11.28	188.05	116.64	0.78	0.28	1.07	0.26	0.76	0.20	11.28	0.87	2.94	2.94	FALSO	4.00	11.28	0.02	2.00	0.00	4.36	0.00	0.18
11.30	1.35	9.23	9.00	1.45	11.30	188.37	116.76	0.78	0.28	1.08	0.26	0.76	0.20	11.30	1.35	2.66	2.66	FALSO	4.00	11.30	0.02	2.00	0.00	4.35	0.00	0.18
11.32	1.78	12.68	9.00	1.86	11.32	188.69	116.88	0.78	0.28	1.08	0.26	0.76	0.20	11.32	1.78	2.55	2.55	VERO	4.00	11.32	0.02	2.00	0.00	4.34	0.00	0.18
11.34	1.72	16.94	9.00	1.78	11.34	189.02	117.01	0.78	0.28	1.08	0.26	0.76	0.20	11.34	1.72	2.64	2.64	FALSO	4.00	11.34	0.02	2.00	0.00	4.33	0.00	0.18
11.36	1.53	18.05	9.00	1.59	11.36	189.35	117.15	0.78	0.28	1.08	0.26	0.76	0.20	11.36	1.53	2.73	2.73	FALSO	4.00	11.36	0.02	2.00	0.00	4.32	0.00	0.18
11.38	1.34	17.74	9.00	1.40	11.38	189.68	117.28	0.77	0.28	1.08	0.26	0.76	0.20	11.38	1.34	2.82	2.82	FALSO	4.00	11.38	0.02	2.00	0.00	4.31	0.00	0.18
11.40	1.06	20.25	9.00	1.11	11.40	190.01	117.41	0.77	0.28	1.08	0.26	0.76	0.20	11.40	1.06	3.01	3.01	FALSO	4.00	11.40	0.02	2.00	0.00	4.30	0.00	0.18
11.42	1.06	20.25	9.00	1.11	11.42	190.34	117.55	0.77	0.28	1.08	0.26	0.76	0.20	11.42	1.06	3.01	3.01	FALSO	4.00	11.42	0.02	2.00	0.00	4.29	0.00	0.18
11.44	0.73	13.82	9.00	0.79	11.44	190.66	117.67	0.77	0.28	1.07	0.26	0.76	0.20	11.44	0.73	3.18	3.18	FALSO	4.00	11.44	0.02	2.00	0.00	4.28	0.00	0.18
11.46	0.80	13.00	9.00	0.86	11.46	190.97	117.79	0.77	0.28	1.07	0.26	0.76	0.20	11.46	0.80	3.10	3.10	FALSO	4.00	11.46	0.02	2.00	0.00	4.27	0.00	0.18
11.48	0.99	15.14	9.00	1.06	11.48	191.30	117.92	0.77	0.28	1.07	0.26	0.76	0.20	11.48	0.99	2.98	2.98	FALSO	4.00	11.48	0.02	2.00	0.00	4.26	0.00	0.18
11.50	1.13	17.71	9.00	1.20	11.50	191.62	118.05	0.77	0.28	1.08	0.26	0.76	0.20	11.50	1.13	2.93	2.93	FALSO	4.00	11.50	0.02	2.00	0.00	4.25	0.00	0.18
11.52	1.07	20.31	9.00	1.15	11.52	191.95	118.18	0.77	0.28	1.08	0.26	0.76	0.20	11.52	1.07	2.99	2.99	FALSO	4.00	11.52	0.02	2.00	0.00	4.24	0.00	0.18
11.54	1.01	19.11	9.00	1.08	11.54	192.28	118.32	0.77	0.28	1.07	0.26	0.76	0.20	11.54	1.01	3.02	3.02	FALSO	4.00	11.54	0.02	2.00	0.00	4.23	0.00	0.18
11.56	1.06	18.68	9.00	1.14	11.56	192.61	118.45	0.77	0.28	1.08	0.26	0.76	0.20	11.56	1.06	2.98	2.98	FALSO	4.00	11.56	0.02	2.00	0.00	4.22	0.00	0.18
11.58	1.21	16.59	9.00	1.29	11.58	192.94	118.58	0.77	0.28	1.08	0.26	0.76	0.20	11.58	1.21	2.87	2.87	FALSO	4.00	11.58	0.02	2.00	0.00	4.21	0.00	0.18
11.60	1.32	18.42	9.00	1.40	11.60	193.27	118.71	0.77	0.28	1.08	0.26	0.76	0.20	11.60	1.32	2.83	2.83	FALSO	4.00	11.60	0.02	2.00	0.00	4.20	0.00	0.18
11.62	1.27	19.25	9.00	1.35	11.62	193.60	118.84	0.77	0.28	1.08	0.26	0.76	0.20	11.62	1.27	2.87	2.87	FALSO	4.00	11.62	0.02	2.00	0.00	4.19	0.00	0.18
11.64	1.07	19.93	9.00	1.15	11.64	193.93	118.98	0.77	0.28	1.08	0.26	0.76	0.20	11.64	1.07	2.99	2.99	FALSO	4.00	11.64	0.02	2.00	0.00	4.18	0.00	0.18
11.66	0.95	18.82	9.00	1.02	11.66	194.25	119.11	0.77	0.28	1.07	0.26	0.76	0.20	11.66	0.95	3.07	3.07	FALSO	4.00	11.66	0.02	2.00	0.00	4.17	0.00	0.18
11.68	0.89	15.19	9.00	0.95	11.68	194.58	119.23	0.77	0.28	1.07	0.26	0.76	0.20	11.68	0.89	3.07	3.07	FALSO	4.00	11.68	0.02	2.00	0.00	4.16	0.00	0.18
11.70	0.85	14.28	9.00	0.92	11.70	194.90	119.36	0.77	0.28	1.07	0.26	0.76	0.20	11.70	0.85	3.08	3.08	FALSO	4.00	11.70	0.02	2.00	0.00	4.15	0.00	0.18
11.72	0.75	13.85	9.00	0.82	11.72	195.21	119.48	0.77	0.28	1.07	0.26	0.76	0.20	11.72	0.75	3.17	3.17	FALSO	4.00	11.72	0.02	2.00	0.00	4.14	0.00	0.18
11.74	0.67	12.48	9.00	0.73	11.74	195.53	119.60	0.77	0.28	1.07	0.26	0.76	0.20	11.74	0.67	3.23	3.23	FALSO	4.00	11.74	0.02	2.00	0.00	4.13	0.00	0.18
11.76	0.74	10.22	9.00	0.81	11.76	195.84	119.72	0.77	0.28	1.07	0.26	0.76	0.20	11.76	0.74	3.11	3.11	FALSO	4.00	11.76	0.02	2.00	0.00	4.12	0.00	0.18
11.78	0.93	11.14	9.00	1.01	11.78	196.16	119.84	0.77	0.28	1.07	0.26	0.76	0.20	11.78	0.93	2.97	2.97	FALSO	4.00	11.78	0.02	2.00	0.00	4.11	0.00	0.18
11.80	1.45	11.25	9.00	1.54	11.80	196.48	119.96	0.76	0.28	1.08	0.26	0.76	0.20	11.80	1.45	2.67	2.67	FALSO	4.00	11.80	0.02	2.00	0.00	4.10	0.00	0.18
11.82	1.78	13.88	9.00	1.84	11.82	196.80	120.09	0.76	0.28	1.08	0.26	0.76	0.20	11.82	1.78	2.59	2.59	VERO	0.11	11.82	0.02	0.56	0.44	4.09	0.04	0.22
11.84	1.56	17.13	9.00	1.62	11.84	197.13	120.22	0.76	0.28	1.08	0.26	0.76	0.20	11.84	1.56	2.72	2.72	FALSO	4.00	11.84	0.02	2.00	0.00	4.08	0.00	0.22
11.86	1.17	14.25	9.00	1.22	11.86	197.45	120.35	0.76	0.28	1.08	0.26	0.76	0.20	11.86	1.17	2.89	2.89	FALSO	4.00	11.86	0.02	2.00	0.00	4.07	0.00	0.22
11.88	0.90	15.45	9.00	0.94	11.88	197.77	120.47	0.76	0.28	1.07	0.26	0.76	0.20	11.88	0.90	3.09	3.09	FALSO	4.00	11.88	0.02	2.00	0.00	4.06	0.00	0.22
11.90	0.86	15.93	9.00	0.92	11.90	198.10	120.60	0.76	0.28	1.07	0.26	0.76	0.20	11.90	0.86	3.11	3.11	FALSO	4.00	11.90	0.02	2.00	0.00	4.05	0.00	0.22
11.92	1.25	25.73	9.00	1.31	11.92	198.43	120.74	0.76	0.28	1.08	0.26	0.76	0.20	11.92	1.25	2.96	2.96	FALSO	4.00	11.92	0.02	2.00	0.00	4.04	0.00	0.22
11.94	1.40	28.50	9.00	1.46	11.94	198.77	120.88	0.76	0.28	1.08	0.26	0.76	0.20	11.94	1.40	2.91	2.91	FALSO	4.00	11.94	0.02	2.00	0.00	4.03	0.00	0.22
11.96	1.71	32.24	9.00	1.78	11.96	199.12	121.03	0.76	0.28	1.08	0.26	0.76	0.20	11.96	1.71	2.81	2.81	FALSO	4.00	11.96	0.02	2.00	0.00	4.02	0.00	0.22
11.98	2.02	31.70	9.00	2.08	11.98	199.46	121.18	0.76	0.28	1.09	0.25	0.76	0.19	11.98	2.02	2.69	2.69	FALSO	4.00	11.98	0.02	2.00	0.00	4.01	0.00	0.22
12.00	2.22	31.30	9.00	2.29	12.00	199.81	121.33	0.76	0.28	1.09	0.25	0.76	0.19	12.00	2.22	2.63	2.63	FALSO	4.00	12.00	0.02	2.00	0.00	4.00	0.00	0.22
12.02	2.83	33.62	9.00	2.91	12.02	200.16	121.48	0.76	0.28	1.10	0.25	0.76	0.19	12.02	2.83	2.49	2.49	VERO	4.00	12.02	0.02	2.00	0.00	3.99	0.00	0.22
12.04	4.26	40.78	9.00	4.32	12.04	200.51	121.64	0.76	0.28	1.12	0.25	0.76	0.19	12.04	4.26	2.27	2.27	VERO	4.00	12.04	0.02	2.00	0.00	3.98	0.00	0.22
12.06	4.96	40.10	9.00	5.00	12.06	200.87	121.80	0.76	0.28	1.13	0.25	0.76	0.19	12.06	4.96	2.18	2.18	VERO	4.00	12.06	0.02	2.00	0.00	3.97	0.00	0.22
12.08	5.47	35.95	9.00	5.50	12.08	201.22	121.96	0.76	0.28	1.13	0.25	0.76	0.19	12.08	5.47	2.09	2.09	VERO	4.00	12.08	0.02	2.00	0.00	3.96	0.00	0.22
12.10	5.66	35.10	9.00	5.68	12.10	201.58	122.12	0.76	0.28	1.13	0.25	0.76	0.19	12.10	5.66	2.06	2.06	VERO	4.00	12.10	0.02	2.00	0.00	3.95	0.00	0.22
12.12	5.55	25.39	9.00	5.58	12.12	201.93	122.27	0.76	0.28	1.11	0.25	0.76	0.19	12.12	5.55	2.01	2.01	VERO	4.00	12.12	0.02	2.00	0.00	3.94	0.00	0.22
12.14	5.25	20.02	9.00	5.27	12.14	202.27	122.42	0.76	0.28	1.10	0.25	0.76	0.19	12.14	5.25	2.00	2.00	VERO	0.12	12.14	0.02	0.63	0.37	3.93	0.03	0.25
12.16	4.89	17.54	9.00	4.92	12.16	202.61	122.56	0.76	0.28	1.10	0.25	0.76	0.19	12.16	4.89	2.02	2.02	VERO	4.00	12.16	0.02	2.00	0.00	3.92	0.00	0.25
12.18	4.28	17.28	9.00	4.30	12.18	202.94	122.70	0.76	0.28	1.10	0.25	0.76	0.19	12.18	4.28	2.10	2.10									

12.48	4.03	34.10	9.00	4.05	12.48	208.23	125.04	0.75	0.28	1.11	0.25	0.76	0.19	12.48	4.03	2.28	2.28	VERO	4.00	12.48	0.02	2.00	0.00	3.76	0.00	0.28
12.50	4.43	34.36	9.00	4.46	12.50	208.58	125.20	0.75	0.28	1.12	0.25	0.76	0.19	12.50	4.43	2.22	2.22	VERO	4.00	12.50	0.02	2.00	0.00	3.75	0.00	0.28
12.52	4.92	36.99	9.00	4.95	12.52	208.94	125.36	0.75	0.28	1.12	0.25	0.76	0.19	12.52	4.92	2.17	2.17	VERO	4.00	12.52	0.02	2.00	0.00	3.74	0.00	0.28
12.54	5.27	41.84	9.00	5.29	12.54	209.29	125.52	0.75	0.28	1.13	0.24	0.76	0.18	12.54	5.27	2.16	2.16	VERO	0.13	12.54	0.02	0.72	0.28	3.73	0.02	0.30
12.56	5.61	45.78	9.00	5.63	12.56	209.66	125.68	0.75	0.28	1.14	0.24	0.76	0.18	12.56	5.61	2.14	2.14	VERO	0.14	12.56	0.02	0.77	0.23	3.72	0.02	0.31
12.58	5.60	47.60	9.00	5.62	12.58	210.02	125.85	0.75	0.28	1.14	0.24	0.76	0.18	12.58	5.60	2.15	2.15	VERO	0.14	12.58	0.02	0.77	0.23	3.71	0.02	0.33
12.60	5.31	43.29	9.00	5.33	12.60	210.38	126.01	0.75	0.28	1.13	0.24	0.76	0.18	12.60	5.31	2.16	2.16	VERO	0.13	12.60	0.02	0.72	0.28	3.70	0.02	0.35
12.62	4.97	30.47	9.00	4.99	12.62	210.73	126.17	0.75	0.28	1.12	0.25	0.76	0.19	12.62	4.97	2.13	2.13	VERO	0.13	12.62	0.02	0.69	0.31	3.69	0.02	0.38
12.64	4.63	28.64	9.00	4.65	12.64	211.08	126.32	0.74	0.28	1.11	0.25	0.76	0.19	12.64	4.63	2.16	2.16	VERO	0.13	12.64	0.02	0.69	0.31	3.68	0.02	0.40
12.66	4.38	31.18	9.00	4.40	12.66	211.43	126.47	0.74	0.28	1.11	0.25	0.76	0.19	12.66	4.38	2.21	2.21	VERO	0.13	12.66	0.02	0.69	0.31	3.67	0.02	0.42
12.68	4.46	35.41	9.00	4.49	12.68	211.78	126.63	0.74	0.28	1.12	0.25	0.76	0.19	12.68	4.46	2.23	2.23	VERO	0.13	12.68	0.02	0.69	0.31	3.66	0.02	0.45
12.70	4.79	49.14	9.00	4.81	12.70	212.14	126.79	0.74	0.27	1.13	0.24	0.76	0.18	12.70	4.79	2.26	2.26	VERO	0.13	12.70	0.02	0.72	0.28	3.65	0.02	0.47
12.72	4.96	54.93	9.00	4.99	12.72	212.51	126.96	0.74	0.27	1.14	0.24	0.76	0.18	12.72	4.96	2.27	2.27	VERO	0.14	12.72	0.02	0.77	0.23	3.64	0.02	0.48
12.74	4.87	35.83	9.00	4.89	12.74	212.86	127.12	0.74	0.27	1.12	0.24	0.76	0.18	12.74	4.87	2.18	2.18	VERO	0.13	12.74	0.02	0.72	0.28	3.63	0.02	0.50
12.76	4.72	36.91	9.00	4.74	12.76	213.21	127.28	0.74	0.27	1.12	0.24	0.76	0.18	12.76	4.72	2.21	2.21	VERO	0.13	12.76	0.02	0.72	0.28	3.62	0.02	0.52
12.78	3.88	33.46	9.00	3.89	12.78	213.57	127.43	0.74	0.27	1.11	0.25	0.76	0.19	12.78	3.88	2.31	2.31	VERO	0.12	12.78	0.02	0.63	0.37	3.61	0.03	0.55
12.80	3.16	21.72	9.00	3.17	12.80	213.90	127.58	0.74	0.27	1.10	0.25	0.76	0.19	12.80	3.16	2.35	2.35	VERO	0.12	12.80	0.02	0.63	0.37	3.60	0.03	0.58
12.82	2.89	18.95	9.00	2.90	12.82	214.24	127.72	0.74	0.27	1.09	0.25	0.76	0.19	12.82	2.89	2.38	2.38	VERO	0.12	12.82	0.02	0.63	0.37	3.59	0.03	0.60
12.84	2.70	20.89	9.00	2.71	12.84	214.58	127.86	0.74	0.27	1.09	0.25	0.76	0.19	12.84	2.70	2.45	2.45	VERO	0.11	12.84	0.02	0.58	0.42	3.58	0.03	0.63
12.86	2.71	27.60	9.00	2.72	12.86	214.92	128.00	0.74	0.27	1.09	0.25	0.76	0.19	12.86	2.71	2.51	2.51	VERO	0.12	12.86	0.02	0.63	0.37	3.57	0.03	0.66
12.88	3.17	41.99	9.00	3.19	12.88	215.28	128.16	0.74	0.27	1.10	0.25	0.76	0.19	12.88	3.17	2.50	2.50	VERO	0.12	12.88	0.02	0.63	0.37	3.56	0.03	0.69
12.90	3.81	41.93	9.00	3.83	12.90	215.63	128.32	0.74	0.27	1.11	0.25	0.76	0.19	12.90	3.81	2.38	2.38	VERO	0.12	12.90	0.02	0.63	0.37	3.55	0.03	0.71
12.92	4.26	27.31	9.00	4.29	12.92	215.98	128.47	0.74	0.27	1.11	0.25	0.76	0.19	12.92	4.26	2.21	2.21	VERO	0.12	12.92	0.02	0.63	0.37	3.54	0.03	0.74
12.94	4.53	22.66	9.00	4.55	12.94	216.32	128.62	0.74	0.27	1.11	0.25	0.76	0.19	12.94	4.53	2.13	2.13	VERO	0.12	12.94	0.02	0.63	0.37	3.53	0.03	0.76
12.96	4.82	24.14	9.00	4.85	12.96	216.67	128.77	0.74	0.27	1.11	0.25	0.76	0.19	12.96	4.82	2.10	2.10	VERO	0.12	12.96	0.02	0.63	0.37	3.52	0.03	0.79
12.98	5.07	23.26	9.00	5.10	12.98	217.01	128.92	0.74	0.27	1.11	0.25	0.76	0.19	12.98	5.07	2.06	2.06	VERO	0.12	12.98	0.02	0.63	0.37	3.51	0.03	0.81
13.00	5.26	20.03	9.00	5.29	13.00	217.35	129.06	0.74	0.27	1.10	0.25	0.76	0.19	13.00	5.26	2.01	2.01	VERO	0.12	13.00	0.02	0.63	0.37	3.50	0.03	0.84
13.02	5.45	13.98	9.00	5.48	13.02	217.69	129.20	0.74	0.27	1.08	0.25	0.76	0.19	13.02	5.45	1.93	1.93	VERO	0.11	13.02	0.02	0.58	0.42	3.49	0.03	0.87
13.04	5.47	15.38	9.00	5.50	13.04	218.02	129.34	0.74	0.27	1.09	0.25	0.76	0.19	13.04	5.47	1.95	1.95	VERO	0.11	13.04	0.02	0.58	0.42	3.48	0.03	0.90
13.06	5.45	16.38	9.00	5.47	13.06	218.36	129.48	0.74	0.27	1.09	0.25	0.76	0.19	13.06	5.45	1.96	1.96	VERO	0.11	13.06	0.02	0.58	0.42	3.47	0.03	0.93
13.08	5.44	16.46	9.00	5.46	13.08	218.70	129.62	0.73	0.27	1.09	0.25	0.76	0.19	13.08	5.44	1.96	1.96	VERO	0.11	13.08	0.02	0.58	0.42	3.46	0.03	0.96
13.10	5.28	18.32	9.00	5.30	13.10	219.04	129.77	0.73	0.27	1.10	0.25	0.76	0.19	13.10	5.28	2.00	2.00	VERO	0.12	13.10	0.02	0.63	0.37	3.45	0.03	0.98
13.12	4.84	13.84	9.00	4.86	13.12	219.37	129.90	0.73	0.27	1.09	0.25	0.76	0.19	13.12	4.84	2.00	2.00	VERO	0.11	13.12	0.02	0.58	0.42	3.44	0.03	1.01
13.14	4.52	9.18	9.00	4.54	13.14	219.69	130.03	0.73	0.27	1.08	0.25	0.76	0.19	13.14	4.52	1.99	1.99	VERO	0.11	13.14	0.02	0.58	0.42	3.43	0.03	1.04
13.16	4.25	8.07	9.00	4.26	13.16	220.01	130.15	0.73	0.27	1.08	0.25	0.76	0.19	13.16	4.25	2.01	2.01	VERO	0.11	13.16	0.02	0.58	0.42	3.42	0.03	1.07
13.18	4.18	10.29	9.00	4.19	13.18	220.33	130.28	0.73	0.27	1.09	0.25	0.76	0.19	13.18	4.18	2.05	2.05	VERO	0.11	13.18	0.02	0.58	0.42	3.41	0.03	1.10
13.20	4.21	14.78	9.00	4.23	13.20	220.67	130.42	0.73	0.27	1.10	0.25	0.76	0.19	13.20	4.21	2.10	2.10	VERO	0.12	13.20	0.02	0.63	0.37	3.40	0.02	1.12
13.22	4.39	16.92	9.00	4.41	13.22	221.00	130.56	0.73	0.27	1.10	0.25	0.76	0.19	13.22	4.39	2.10	2.10	VERO	0.12	13.22	0.02	0.63	0.37	3.39	0.02	1.15
13.24	4.53	16.06	9.00	4.55	13.24	221.34	130.69	0.73	0.27	1.10	0.25	0.76	0.19	13.24	4.53	2.07	2.07	VERO	0.12	13.24	0.02	0.63	0.37	3.38	0.02	1.17
13.26	4.43	15.80	9.00	4.45	13.26	221.67	130.83	0.73	0.27	1.10	0.25	0.76	0.19	13.26	4.43	2.08	2.08	VERO	0.12	13.26	0.02	0.63	0.37	3.37	0.02	1.20
13.28	4.13	20.54	9.00	4.15	13.28	222.01	130.98	0.73	0.27	1.10	0.25	0.76	0.19	13.28	4.13	2.18	2.18	VERO	0.12	13.28	0.02	0.63	0.37	3.36	0.02	1.22
13.30	3.85	19.51	9.00	3.87	13.30	222.35	131.12	0.73	0.27	1.10	0.25	0.76	0.19	13.30	3.85	2.21	2.21	VERO	0.12	13.30	0.02	0.63	0.37	3.35	0.02	1.24
13.32	3.54	19.23	9.00	3.56	13.32	222.69	131.26	0.73	0.27	1.10	0.25	0.76	0.19	13.32	3.54	2.26	2.26	VERO	0.12	13.32	0.02	0.63	0.37	3.34	0.02	1.27
13.34	3.46	14.69	9.00	3.47	13.34	223.02	131.40	0.73	0.27	1.09	0.25	0.76	0.19	13.34	3.46	2.23	2.23	VERO	0.12	13.34	0.02	0.63	0.37	3.33	0.02	1.29
13.36	3.58	11.37	9.00	3.60	13.36	223.35	131.52	0.73	0.27	1.09	0.25	0.76	0.19	13.36	3.58	2.16	2.16	VERO	0.11	13.36	0.02	0.58	0.42	3.32	0.03	1.32
13.38	3.81	17.77	9.00	3.83	13.38	223.68	131.66	0.73	0.27	1.10	0.25	0.76	0.19	13.38	3.81	2.20	2.20	VERO	0.12	13.38	0.02	0.63	0.37	3.31	0.02	1.35
13.40	3.99	24.14	9.00	4.01	13.40	224.03	131.81	0.73	0.27	1.11	0.25	0.76	0.19	13.40	3.99	2.23	2.23	VERO	0.12	13.40	0.02	0.63	0.37	3.30	0.02	1.37
13.42	4.21	30.19	9.00	4.23	13.42	224.38	131.97	0.73	0.27	1.11	0.25	0.76	0.19	13.42	4.21	2.25	2.25	VERO	0.12	13.42	0.02	0.63	0.37	3.29	0.02	1.39
13.44	4.35	32.99	9.00	4.38	13.44	224.73	132.12	0.73	0.27	1.12	0.24	0.76	0.18	13.44	4.35	2.24	2.2									

13.74	1.25	31.18	9.00	1.36	13.74	229.82	134.27	0.72	0.27	1.08	0.25	1.00	0.25	13.74	1.25	3.04	3.04	FALSO	4.00	13.74	0.02	2.00	0.00	3.13	0.00	1.52
13.76	1.18	24.26	9.00	1.29	13.76	230.16	134.41	0.72	0.27	1.08	0.25	1.00	0.25	13.76	1.18	3.02	3.02	FALSO	4.00	13.76	0.02	2.00	0.00	3.12	0.00	1.52
13.78	1.16	18.55	9.00	1.27	13.78	230.48	134.54	0.72	0.27	1.08	0.25	1.00	0.25	13.78	1.16	2.97	2.97	FALSO	4.00	13.78	0.02	2.00	0.00	3.11	0.00	1.52
13.80	1.07	21.18	9.00	1.18	13.80	230.82	134.68	0.72	0.27	1.07	0.25	1.00	0.25	13.80	1.07	3.06	3.06	FALSO	4.00	13.80	0.02	2.00	0.00	3.10	0.00	1.52
13.82	1.02	22.80	9.00	1.13	13.82	231.15	134.81	0.72	0.27	1.07	0.25	1.00	0.25	13.82	1.02	3.11	3.11	FALSO	4.00	13.82	0.02	2.00	0.00	3.09	0.00	1.52
13.84	0.99	24.98	9.00	1.10	13.84	231.48	134.95	0.72	0.27	1.07	0.25	1.00	0.25	13.84	0.99	3.15	3.15	FALSO	4.00	13.84	0.02	2.00	0.00	3.08	0.00	1.52
13.86	0.95	29.14	9.00	1.06	13.86	231.82	135.09	0.72	0.27	1.07	0.25	1.00	0.25	13.86	0.95	3.21	3.21	FALSO	4.00	13.86	0.02	2.00	0.00	3.07	0.00	1.52
13.88	0.95	29.69	9.00	1.06	13.88	232.16	135.24	0.72	0.27	1.07	0.25	1.00	0.25	13.88	0.95	3.22	3.22	FALSO	4.00	13.88	0.02	2.00	0.00	3.06	0.00	1.52
13.90	0.93	30.09	9.00	1.04	13.90	232.50	135.38	0.72	0.27	1.07	0.25	1.00	0.25	13.90	0.93	3.24	3.24	FALSO	4.00	13.90	0.02	2.00	0.00	3.05	0.00	1.52
13.92	0.93	31.71	9.00	1.05	13.92	232.84	135.52	0.72	0.27	1.07	0.25	1.00	0.25	13.92	0.93	3.24	3.24	FALSO	4.00	13.92	0.02	2.00	0.00	3.04	0.00	1.52
13.94	0.89	32.17	9.00	1.02	13.94	233.18	135.67	0.71	0.27	1.07	0.25	1.00	0.25	13.94	0.89	3.27	3.27	FALSO	4.00	13.94	0.02	2.00	0.00	3.03	0.00	1.52
13.96	0.88	30.40	9.00	1.01	13.96	233.52	135.81	0.71	0.27	1.07	0.25	1.00	0.25	13.96	0.88	3.26	3.26	FALSO	4.00	13.96	0.02	2.00	0.00	3.02	0.00	1.52
13.98	0.86	29.68	9.00	0.99	13.98	233.85	135.95	0.71	0.27	1.07	0.25	1.00	0.25	13.98	0.86	3.28	3.28	FALSO	4.00	13.98	0.02	2.00	0.00	3.01	0.00	1.52
14.00	0.86	28.51	9.00	0.99	14.00	234.19	136.09	0.71	0.27	1.07	0.25	1.00	0.25	14.00	0.86	3.27	3.27	FALSO	4.00	14.00	0.02	2.00	0.00	3.00	0.00	1.52
14.02	0.85	28.00	9.00	0.98	14.02	234.53	136.23	0.71	0.27	1.07	0.25	1.00	0.25	14.02	0.85	3.27	3.27	FALSO	4.00	14.02	0.02	2.00	0.00	2.99	0.00	1.52
14.04	0.87	27.08	9.00	1.00	14.04	234.86	136.37	0.71	0.27	1.07	0.25	1.00	0.25	14.04	0.87	3.25	3.25	FALSO	4.00	14.04	0.02	2.00	0.00	2.98	0.00	1.52
14.06	0.90	25.83	9.00	1.03	14.06	235.20	136.51	0.71	0.27	1.07	0.25	1.00	0.25	14.06	0.90	3.21	3.21	FALSO	4.00	14.06	0.02	2.00	0.00	2.97	0.00	1.52
14.08	0.90	24.29	9.00	1.03	14.08	235.53	136.65	0.71	0.27	1.07	0.25	1.00	0.25	14.08	0.90	3.20	3.20	FALSO	4.00	14.08	0.02	2.00	0.00	2.96	0.00	1.52
14.10	0.91	23.86	9.00	1.04	14.10	235.86	136.78	0.71	0.27	1.07	0.25	1.00	0.25	14.10	0.91	3.19	3.19	FALSO	4.00	14.10	0.02	2.00	0.00	2.95	0.00	1.52
14.12	0.88	23.43	9.00	1.00	14.12	236.20	136.92	0.71	0.27	1.07	0.25	1.00	0.25	14.12	0.88	3.21	3.21	FALSO	4.00	14.12	0.02	2.00	0.00	2.94	0.00	1.52
14.14	0.84	23.09	9.00	0.96	14.14	236.53	137.05	0.71	0.27	1.07	0.25	1.00	0.25	14.14	0.84	3.24	3.24	FALSO	4.00	14.14	0.02	2.00	0.00	2.93	0.00	1.52
14.16	0.83	23.46	9.00	0.94	14.16	236.86	137.19	0.71	0.27	1.07	0.25	1.00	0.25	14.16	0.83	3.26	3.26	FALSO	4.00	14.16	0.02	2.00	0.00	2.92	0.00	1.52
14.18	0.81	24.88	9.00	0.91	14.18	237.19	137.33	0.71	0.27	1.07	0.25	1.00	0.25	14.18	0.81	3.30	3.30	FALSO	4.00	14.18	0.02	2.00	0.00	2.91	0.00	1.52
14.20	0.79	26.85	9.00	0.90	14.20	237.53	137.46	0.71	0.27	1.07	0.25	1.00	0.25	14.20	0.79	3.34	3.34	FALSO	4.00	14.20	0.02	2.00	0.00	2.90	0.00	1.52
14.22	0.77	28.17	9.00	0.88	14.22	237.86	137.60	0.71	0.27	1.07	0.25	1.00	0.25	14.22	0.77	3.37	3.37	FALSO	4.00	14.22	0.02	2.00	0.00	2.89	0.00	1.52
14.24	0.80	28.51	9.00	0.90	14.24	238.20	137.74	0.71	0.27	1.07	0.25	1.00	0.25	14.24	0.80	3.35	3.35	FALSO	4.00	14.24	0.02	2.00	0.00	2.88	0.00	1.52
14.26	0.80	29.74	9.00	0.90	14.26	238.54	137.88	0.71	0.27	1.07	0.25	1.00	0.25	14.26	0.80	3.36	3.36	FALSO	4.00	14.26	0.02	2.00	0.00	2.87	0.00	1.52
14.28	0.78	31.11	9.00	0.88	14.28	238.87	138.03	0.71	0.27	1.07	0.25	1.00	0.25	14.28	0.78	3.39	3.39	FALSO	4.00	14.28	0.02	2.00	0.00	2.86	0.00	1.52
14.30	0.77	33.05	9.00	0.87	14.30	239.21	138.17	0.71	0.27	1.07	0.25	1.00	0.25	14.30	0.77	3.42	3.42	FALSO	4.00	14.30	0.02	2.00	0.00	2.85	0.00	1.52
14.32	0.76	35.02	9.00	0.86	14.32	239.55	138.31	0.71	0.27	1.07	0.25	1.00	0.25	14.32	0.76	3.44	3.44	FALSO	4.00	14.32	0.02	2.00	0.00	2.84	0.00	1.52
14.34	0.78	35.93	9.00	0.88	14.34	239.89	138.46	0.71	0.27	1.07	0.25	1.00	0.25	14.34	0.78	3.43	3.43	FALSO	4.00	14.34	0.02	2.00	0.00	2.83	0.00	1.52
14.36	0.81	36.22	9.00	0.90	14.36	240.24	138.60	0.71	0.27	1.07	0.25	1.00	0.25	14.36	0.81	3.41	3.41	FALSO	4.00	14.36	0.02	2.00	0.00	2.82	0.00	1.52
14.38	0.83	35.96	9.00	0.93	14.38	240.58	138.75	0.70	0.27	1.07	0.25	1.00	0.25	14.38	0.83	3.38	3.38	FALSO	4.00	14.38	0.02	2.00	0.00	2.81	0.00	1.52
14.40	0.84	34.05	9.00	0.93	14.40	240.92	138.89	0.70	0.27	1.07	0.25	1.00	0.25	14.40	0.84	3.37	3.37	FALSO	4.00	14.40	0.02	2.00	0.00	2.80	0.00	1.52
14.42	0.84	34.02	9.00	0.93	14.42	241.26	139.04	0.70	0.27	1.07	0.25	1.00	0.25	14.42	0.84	3.37	3.37	FALSO	4.00	14.42	0.02	2.00	0.00	2.79	0.00	1.52
14.44	0.85	31.79	9.00	0.94	14.44	241.60	139.18	0.70	0.27	1.07	0.25	1.00	0.25	14.44	0.85	3.35	3.35	FALSO	4.00	14.44	0.02	2.00	0.00	2.78	0.00	1.52
14.46	0.83	30.57	9.00	0.93	14.46	241.93	139.32	0.70	0.27	1.07	0.25	1.00	0.25	14.46	0.83	3.35	3.35	FALSO	4.00	14.46	0.02	2.00	0.00	2.77	0.00	1.52
14.48	0.84	29.62	9.00	0.93	14.48	242.27	139.46	0.70	0.27	1.07	0.25	1.00	0.25	14.48	0.84	3.34	3.34	FALSO	4.00	14.48	0.02	2.00	0.00	2.76	0.00	1.52
14.50	0.83	30.37	9.00	0.92	14.50	242.61	139.60	0.70	0.27	1.07	0.25	1.00	0.25	14.50	0.83	3.35	3.35	FALSO	4.00	14.50	0.02	2.00	0.00	2.75	0.00	1.52
14.52	0.83	31.34	9.00	0.92	14.52	242.95	139.75	0.70	0.27	1.07	0.25	1.00	0.25	14.52	0.83	3.36	3.36	FALSO	4.00	14.52	0.02	2.00	0.00	2.74	0.00	1.52
14.54	0.82	31.99	9.00	0.91	14.54	243.29	139.89	0.70	0.27	1.07	0.25	1.00	0.25	14.54	0.82	3.38	3.38	FALSO	4.00	14.54	0.02	2.00	0.00	2.73	0.00	1.52
14.56	0.82	32.71	9.00	0.91	14.56	243.63	140.03	0.70	0.27	1.07	0.25	1.00	0.25	14.56	0.82	3.39	3.39	FALSO	4.00	14.56	0.02	2.00	0.00	2.72	0.00	1.52
14.58	0.81	34.28	9.00	0.90	14.58	243.97	140.18	0.70	0.27	1.07	0.25	1.00	0.25	14.58	0.81	3.40	3.40	FALSO	4.00	14.58	0.02	2.00	0.00	2.71	0.00	1.52
14.60	0.82	34.65	9.00	0.92	14.60	244.31	140.32	0.70	0.27	1.07	0.25	1.00	0.25	14.60	0.82	3.39	3.39	FALSO	4.00	14.60	0.02	2.00	0.00	2.70	0.00	1.52
14.62	0.83	34.85	9.00	0.93	14.62	244.65	140.46	0.70	0.27	1.07	0.25	1.00	0.25	14.62	0.83	3.39	3.39	FALSO	4.00	14.62	0.02	2.00	0.00	2.69	0.00	1.52
14.64	0.88	33.71	9.00	0.97	14.64	244.99	140.61	0.70	0.27	1.07	0.25	1.00	0.25	14.64	0.88	3.34	3.34	FALSO	4.00	14.64	0.02	2.00	0.00	2.68	0.00	1.52
14.66	0.90	33.85	9.00	0.99	14.66	245.33	140.75	0.70	0.27	1.07	0.25	1.00	0.25	14.66	0.90	3.33	3.33	FALSO	4.00	14.66	0.02	2.00	0.00	2.67	0.00	1.52
14.68	0.94	32.37	9.00	1.04	14.68	245.67	140.90	0.70	0.27	1.07	0.25	1.00	0.25	14.68	0.94	3.28	3.28	FALSO	4.00	14.68	0.02	2.00	0.00	2.66	0.00	1.52
14.70	0.95	30.59	9.00	1.05	14.70	246.01	141.04	0.70	0.27	1.07	0.25	1.00	0.25	14.70	0.95	3.26	3									

15.00	0.99	29.76	9.00	1.12	15.00	251.10	143.19	0.69	0.27	1.07	0.25	1.00	0.25	15.00	0.99	3.21	3.21	FALSO	4.00	15.00	0.02	2.00	0.00	2.50	0.00	1.52
15.02	0.98	30.25	9.00	1.11	15.02	251.43	143.33	0.69	0.27	1.07	0.25	1.00	0.25	15.02	0.98	3.22	3.22	FALSO	4.00	15.02	0.02	2.00	0.00	2.49	0.00	1.52
15.04	0.98	30.70	9.00	1.11	15.04	251.77	143.47	0.69	0.27	1.07	0.25	1.00	0.25	15.04	0.98	3.23	3.23	FALSO	4.00	15.04	0.02	2.00	0.00	2.48	0.00	1.52
15.06	0.97	30.48	9.00	1.10	15.06	252.11	143.61	0.69	0.27	1.07	0.25	1.00	0.25	15.06	0.97	3.23	3.23	FALSO	4.00	15.06	0.02	2.00	0.00	2.47	0.00	1.52
15.08	0.95	29.45	9.00	1.07	15.08	252.45	143.76	0.69	0.27	1.07	0.25	1.00	0.25	15.08	0.95	3.24	3.24	FALSO	4.00	15.08	0.02	2.00	0.00	2.46	0.00	1.52
15.10	0.95	28.91	9.00	1.07	15.10	252.79	143.90	0.69	0.27	1.07	0.25	1.00	0.25	15.10	0.95	3.24	3.24	FALSO	4.00	15.10	0.02	2.00	0.00	2.45	0.00	1.52
15.12	0.95	28.53	9.00	1.08	15.12	253.13	144.04	0.69	0.27	1.07	0.25	1.00	0.25	15.12	0.95	3.23	3.23	FALSO	4.00	15.12	0.02	2.00	0.00	2.44	0.00	1.52
15.14	0.93	27.88	9.00	1.06	15.14	253.46	144.18	0.69	0.27	1.07	0.25	1.00	0.25	15.14	0.93	3.24	3.24	FALSO	4.00	15.14	0.02	2.00	0.00	2.43	0.00	1.52
15.16	0.93	26.99	9.00	1.05	15.16	253.80	144.32	0.69	0.27	1.07	0.25	1.00	0.25	15.16	0.93	3.24	3.24	FALSO	4.00	15.16	0.02	2.00	0.00	2.42	0.00	1.52
15.18	0.93	26.56	9.00	1.06	15.18	254.13	144.46	0.69	0.27	1.07	0.25	1.00	0.25	15.18	0.93	3.23	3.23	FALSO	4.00	15.18	0.02	2.00	0.00	2.41	0.00	1.52
15.20	0.94	25.99	9.00	1.07	15.20	254.47	144.60	0.69	0.27	1.07	0.25	1.00	0.25	15.20	0.94	3.22	3.22	FALSO	4.00	15.20	0.02	2.00	0.00	2.40	0.00	1.52
15.22	0.95	27.11	9.00	1.08	15.22	254.81	144.74	0.69	0.27	1.07	0.25	1.00	0.25	15.22	0.95	3.22	3.22	FALSO	4.00	15.22	0.02	2.00	0.00	2.39	0.00	1.52
15.24	0.95	27.11	9.00	1.08	15.24	255.14	144.88	0.69	0.27	1.07	0.25	1.00	0.25	15.24	0.95	3.22	3.22	FALSO	4.00	15.24	0.02	2.00	0.00	2.38	0.00	1.52
15.26	0.98	27.73	9.00	1.11	15.26	255.48	145.02	0.69	0.27	1.07	0.25	1.00	0.25	15.26	0.98	3.21	3.21	FALSO	4.00	15.26	0.02	2.00	0.00	2.37	0.00	1.52
15.28	0.99	28.22	9.00	1.12	15.28	255.82	145.16	0.68	0.27	1.07	0.25	1.00	0.25	15.28	0.99	3.20	3.20	FALSO	4.00	15.28	0.02	2.00	0.00	2.36	0.00	1.52
15.30	0.98	28.59	9.00	1.12	15.30	256.15	145.30	0.68	0.27	1.07	0.25	1.00	0.25	15.30	0.98	3.21	3.21	FALSO	4.00	15.30	0.02	2.00	0.00	2.35	0.00	1.52
15.32	0.98	29.25	9.00	1.11	15.32	256.49	145.44	0.68	0.27	1.07	0.25	1.00	0.25	15.32	0.98	3.22	3.22	FALSO	4.00	15.32	0.02	2.00	0.00	2.34	0.00	1.52
15.34	0.96	29.22	9.00	1.10	15.34	256.83	145.59	0.68	0.27	1.07	0.25	1.00	0.25	15.34	0.96	3.23	3.23	FALSO	4.00	15.34	0.02	2.00	0.00	2.33	0.00	1.52
15.36	0.95	28.33	9.00	1.09	15.36	257.17	145.73	0.68	0.27	1.07	0.25	1.00	0.25	15.36	0.95	3.23	3.23	FALSO	4.00	15.36	0.02	2.00	0.00	2.32	0.00	1.52
15.38	0.97	27.42	9.00	1.11	15.38	257.50	145.87	0.68	0.27	1.07	0.25	1.00	0.25	15.38	0.97	3.21	3.21	FALSO	4.00	15.38	0.02	2.00	0.00	2.31	0.00	1.52
15.40	0.96	26.36	9.00	1.10	15.40	257.84	146.01	0.68	0.27	1.07	0.25	1.00	0.25	15.40	0.96	3.21	3.21	FALSO	4.00	15.40	0.02	2.00	0.00	2.30	0.00	1.52
15.42	0.95	25.53	9.00	1.09	15.42	258.18	146.15	0.68	0.27	1.07	0.25	1.00	0.25	15.42	0.95	3.21	3.21	FALSO	4.00	15.42	0.02	2.00	0.00	2.29	0.00	1.52
15.44	0.92	25.91	9.00	1.06	15.44	258.51	146.28	0.68	0.27	1.07	0.25	1.00	0.25	15.44	0.92	3.23	3.23	FALSO	4.00	15.44	0.02	2.00	0.00	2.28	0.00	1.52
15.46	0.92	25.62	9.00	1.06	15.46	258.85	146.42	0.68	0.27	1.07	0.25	1.00	0.25	15.46	0.92	3.23	3.23	FALSO	4.00	15.46	0.02	2.00	0.00	2.27	0.00	1.52
15.48	0.89	26.82	9.00	1.03	15.48	259.18	146.56	0.68	0.27	1.07	0.25	1.00	0.25	15.48	0.89	3.27	3.27	FALSO	4.00	15.48	0.02	2.00	0.00	2.26	0.00	1.52
15.50	0.89	27.59	9.00	1.03	15.50	259.52	146.70	0.68	0.27	1.07	0.25	1.00	0.25	15.50	0.89	3.27	3.27	FALSO	4.00	15.50	0.02	2.00	0.00	2.25	0.00	1.52
15.52	0.90	27.25	9.00	1.04	15.52	259.85	146.84	0.68	0.27	1.07	0.25	1.00	0.25	15.52	0.90	3.26	3.26	FALSO	4.00	15.52	0.02	2.00	0.00	2.24	0.00	1.52
15.54	0.91	27.53	9.00	1.05	15.54	260.19	146.98	0.68	0.27	1.07	0.25	1.00	0.25	15.54	0.91	3.25	3.25	FALSO	4.00	15.54	0.02	2.00	0.00	2.23	0.00	1.52
15.56	0.91	27.73	9.00	1.05	15.56	260.53	147.12	0.68	0.27	1.07	0.25	1.00	0.25	15.56	0.91	3.26	3.26	FALSO	4.00	15.56	0.02	2.00	0.00	2.22	0.00	1.52
15.58	0.92	26.68	9.00	1.06	15.58	260.86	147.26	0.68	0.27	1.07	0.25	1.00	0.25	15.58	0.92	3.24	3.24	FALSO	4.00	15.58	0.02	2.00	0.00	2.21	0.00	1.52
15.60	0.93	26.73	9.00	1.07	15.60	261.20	147.40	0.68	0.27	1.07	0.25	1.00	0.25	15.60	0.93	3.23	3.23	FALSO	4.00	15.60	0.02	2.00	0.00	2.20	0.00	1.52
15.62	0.93	27.59	9.00	1.07	15.62	261.53	147.54	0.68	0.27	1.07	0.25	1.00	0.25	15.62	0.93	3.25	3.25	FALSO	4.00	15.62	0.02	2.00	0.00	2.19	0.00	1.52
15.64	0.96	28.64	9.00	1.11	15.64	261.87	147.68	0.68	0.27	1.07	0.25	1.00	0.25	15.64	0.96	3.23	3.23	FALSO	4.00	15.64	0.02	2.00	0.00	2.18	0.00	1.52
15.66	0.97	30.24	9.00	1.11	15.66	262.21	147.83	0.68	0.27	1.07	0.25	1.00	0.25	15.66	0.97	3.24	3.24	FALSO	4.00	15.66	0.02	2.00	0.00	2.17	0.00	1.52
15.68	0.98	31.87	9.00	1.12	15.68	262.55	147.97	0.68	0.27	1.07	0.25	1.00	0.25	15.68	0.98	3.25	3.25	FALSO	4.00	15.68	0.02	2.00	0.00	2.16	0.00	1.52
15.70	0.99	32.64	9.00	1.13	15.70	262.89	148.12	0.68	0.27	1.07	0.25	1.00	0.25	15.70	0.99	3.25	3.25	FALSO	4.00	15.70	0.02	2.00	0.00	2.15	0.00	1.52
15.72	1.03	34.44	9.00	1.17	15.72	263.24	148.26	0.68	0.26	1.07	0.25	1.00	0.25	15.72	1.03	3.23	3.23	FALSO	4.00	15.72	0.02	2.00	0.00	2.14	0.00	1.52
15.74	1.04	35.81	9.00	1.18	15.74	263.58	148.41	0.67	0.26	1.07	0.25	1.00	0.25	15.74	1.04	3.23	3.23	FALSO	4.00	15.74	0.02	2.00	0.00	2.13	0.00	1.52
15.76	1.07	36.07	9.00	1.21	15.76	263.92	148.56	0.67	0.26	1.07	0.25	1.00	0.25	15.76	1.07	3.22	3.22	FALSO	4.00	15.76	0.02	2.00	0.00	2.12	0.00	1.52
15.78	1.11	35.73	9.00	1.25	15.78	264.27	148.70	0.67	0.26	1.07	0.25	1.00	0.25	15.78	1.11	3.19	3.19	FALSO	4.00	15.78	0.02	2.00	0.00	2.11	0.00	1.52
15.80	1.15	36.33	9.00	1.28	15.80	264.61	148.85	0.67	0.26	1.07	0.25	1.00	0.25	15.80	1.15	3.18	3.18	FALSO	4.00	15.80	0.02	2.00	0.00	2.10	0.00	1.52
15.82	1.15	38.15	9.00	1.28	15.82	264.96	149.00	0.67	0.26	1.07	0.25	1.00	0.25	15.82	1.15	3.19	3.19	FALSO	4.00	15.82	0.02	2.00	0.00	2.09	0.00	1.52
15.84	1.15	41.12	9.00	1.27	15.84	265.30	149.15	0.67	0.26	1.07	0.25	1.00	0.25	15.84	1.15	3.21	3.21	FALSO	4.00	15.84	0.02	2.00	0.00	2.08	0.00	1.52
15.86	1.16	43.69	9.00	1.29	15.86	265.65	149.30	0.67	0.26	1.07	0.25	1.00	0.25	15.86	1.16	3.22	3.22	FALSO	4.00	15.86	0.02	2.00	0.00	2.07	0.00	1.52
15.88	1.16	45.81	9.00	1.28	15.88	266.00	149.46	0.67	0.26	1.07	0.25	1.00	0.25	15.88	1.16	3.24	3.24	FALSO	4.00	15.88	0.02	2.00	0.00	2.06	0.00	1.52
15.90	1.17	47.95	9.00	1.29	15.90	266.35	149.61	0.67	0.26	1.07	0.25	1.00	0.25	15.90	1.17	3.25	3.25	FALSO	4.00	15.90	0.02	2.00	0.00	2.05	0.00	1.52
15.92	1.16	52.05	9.00	1.27	15.92	266.70	149.77	0.67	0.26	1.07	0.25	1.00	0.25	15.92	1.16	3.28	3.28	FALSO	4.00	15.92	0.02	2.00	0.00	2.04	0.00	1.52
15.94	1.19	50.02	9.00	1.30	15.94	267.06	149.92	0.67	0.26	1.07	0.25	1.00	0.25	15.94	1.19	3.25	3.25	FALSO	4.00	15.94	0.02	2.00	0.00	2.03	0.00	1.52
15.96	1.20	51.22	9.00	1.31	15.96	267.41	150.08	0.67	0.26	1.08	0.25	1.00	0.25	15.96	1.20	3.25	3									

16.26	1.21	43.35	9.00	1.33	16.26	272.70	152.43	0.66	0.26	1.07	0.24	1.00	0.24	16.26	1.21	3.20	3.20	FALSO	4.00	16.26	0.02	2.00	0.00	1.87	0.00	1.52
16.28	1.24	40.47	9.00	1.36	16.28	273.05	152.58	0.66	0.26	1.08	0.24	1.00	0.24	16.28	1.24	3.17	3.17	FALSO	4.00	16.28	0.02	2.00	0.00	1.86	0.00	1.52
16.30	1.22	39.98	9.00	1.34	16.30	273.39	152.73	0.66	0.26	1.08	0.24	1.00	0.24	16.30	1.22	3.18	3.18	FALSO	4.00	16.30	0.02	2.00	0.00	1.85	0.00	1.52
16.32	1.20	41.35	9.00	1.32	16.32	273.74	152.88	0.66	0.26	1.07	0.24	1.00	0.24	16.32	1.20	3.20	3.20	FALSO	4.00	16.32	0.02	2.00	0.00	1.84	0.00	1.52
16.34	1.19	42.58	9.00	1.32	16.34	274.09	153.03	0.66	0.26	1.07	0.24	1.00	0.24	16.34	1.19	3.21	3.21	FALSO	4.00	16.34	0.02	2.00	0.00	1.83	0.00	1.52
16.36	1.24	42.44	9.00	1.37	16.36	274.44	153.19	0.66	0.26	1.08	0.24	1.00	0.24	16.36	1.24	3.18	3.18	FALSO	4.00	16.36	0.02	2.00	0.00	1.82	0.00	1.52
16.38	1.26	40.70	9.00	1.39	16.38	274.79	153.34	0.66	0.26	1.08	0.24	1.00	0.24	16.38	1.26	3.16	3.16	FALSO	4.00	16.38	0.02	2.00	0.00	1.81	0.00	1.52
16.40	1.27	40.52	9.00	1.40	16.40	275.13	153.49	0.66	0.26	1.08	0.24	1.00	0.24	16.40	1.27	3.15	3.15	FALSO	4.00	16.40	0.02	2.00	0.00	1.80	0.00	1.52
16.42	1.28	38.01	9.00	1.42	16.42	275.48	153.64	0.66	0.26	1.08	0.24	1.00	0.24	16.42	1.28	3.13	3.13	FALSO	4.00	16.42	0.02	2.00	0.00	1.79	0.00	1.52
16.44	1.34	36.32	9.00	1.48	16.44	275.82	153.79	0.66	0.26	1.08	0.24	1.00	0.24	16.44	1.34	3.09	3.09	FALSO	4.00	16.44	0.02	2.00	0.00	1.78	0.00	1.52
16.46	1.40	34.67	9.00	1.54	16.46	276.17	153.94	0.66	0.26	1.08	0.24	1.00	0.24	16.46	1.40	3.04	3.04	FALSO	4.00	16.46	0.02	2.00	0.00	1.77	0.00	1.52
16.48	1.45	34.75	9.00	1.59	16.48	276.51	154.09	0.66	0.26	1.08	0.24	1.00	0.24	16.48	1.45	3.02	3.02	FALSO	4.00	16.48	0.02	2.00	0.00	1.76	0.00	1.52
16.50	1.49	33.58	9.00	1.64	16.50	276.86	154.23	0.66	0.26	1.08	0.24	1.00	0.24	16.50	1.49	3.00	3.00	FALSO	4.00	16.50	0.02	2.00	0.00	1.75	0.00	1.52
16.52	1.53	34.61	9.00	1.68	16.52	277.20	154.38	0.66	0.26	1.08	0.24	1.00	0.24	16.52	1.53	2.98	2.98	FALSO	4.00	16.52	0.02	2.00	0.00	1.74	0.00	1.52
16.54	1.61	34.27	9.00	1.76	16.54	277.55	154.53	0.66	0.26	1.08	0.24	1.00	0.24	16.54	1.61	2.95	2.95	FALSO	4.00	16.54	0.02	2.00	0.00	1.73	0.00	1.52
16.56	1.65	35.04	9.00	1.80	16.56	277.90	154.68	0.66	0.26	1.08	0.24	1.00	0.24	16.56	1.65	2.94	2.94	FALSO	4.00	16.56	0.02	2.00	0.00	1.72	0.00	1.52
16.58	1.68	38.38	9.00	1.83	16.58	278.24	154.83	0.66	0.26	1.08	0.24	1.00	0.24	16.58	1.68	2.95	2.95	FALSO	4.00	16.58	0.02	2.00	0.00	1.71	0.00	1.52
16.60	1.73	40.18	9.00	1.87	16.60	278.59	154.99	0.66	0.26	1.08	0.24	1.00	0.24	16.60	1.73	2.94	2.94	FALSO	4.00	16.60	0.02	2.00	0.00	1.70	0.00	1.52
16.62	1.77	42.92	9.00	1.92	16.62	278.94	155.14	0.66	0.26	1.08	0.24	1.00	0.24	16.62	1.77	2.94	2.94	FALSO	4.00	16.62	0.02	2.00	0.00	1.69	0.00	1.52
16.64	1.75	46.66	9.00	1.90	16.64	279.30	155.30	0.66	0.26	1.08	0.24	1.00	0.24	16.64	1.75	2.97	2.97	FALSO	4.00	16.64	0.02	2.00	0.00	1.68	0.00	1.52
16.66	1.77	48.95	9.00	1.92	16.66	279.65	155.46	0.66	0.26	1.08	0.24	1.00	0.24	16.66	1.77	2.98	2.98	FALSO	4.00	16.66	0.02	2.00	0.00	1.67	0.00	1.52
16.68	1.81	51.31	9.00	1.97	16.68	280.01	155.62	0.65	0.26	1.08	0.24	1.00	0.24	16.68	1.81	2.97	2.97	FALSO	4.00	16.68	0.02	2.00	0.00	1.66	0.00	1.52
16.70	1.91	49.34	9.00	2.06	16.70	280.36	155.78	0.65	0.26	1.08	0.24	1.00	0.24	16.70	1.91	2.93	2.93	FALSO	4.00	16.70	0.02	2.00	0.00	1.65	0.00	1.52
16.72	1.94	50.14	9.00	2.09	16.72	280.72	155.93	0.65	0.26	1.08	0.24	1.00	0.24	16.72	1.94	2.92	2.92	FALSO	4.00	16.72	0.02	2.00	0.00	1.64	0.00	1.52
16.74	1.97	50.63	9.00	2.12	16.74	281.07	156.09	0.65	0.26	1.08	0.24	1.00	0.24	16.74	1.97	2.92	2.92	FALSO	4.00	16.74	0.02	2.00	0.00	1.63	0.00	1.52
16.76	1.97	50.63	9.00	2.12	16.76	281.43	156.25	0.65	0.26	1.08	0.24	1.00	0.24	16.76	1.97	2.92	2.92	FALSO	4.00	16.76	0.02	2.00	0.00	1.62	0.00	1.52
16.78	1.92	54.46	9.00	2.08	16.78	281.79	156.42	0.65	0.26	1.08	0.24	1.00	0.24	16.78	1.92	2.95	2.95	FALSO	4.00	16.78	0.02	2.00	0.00	1.61	0.00	1.52
16.80	1.94	54.85	9.00	2.10	16.80	282.14	156.58	0.65	0.26	1.08	0.24	1.00	0.24	16.80	1.94	2.95	2.95	FALSO	4.00	16.80	0.02	2.00	0.00	1.60	0.00	1.52
16.82	1.97	54.51	9.00	2.14	16.82	282.50	156.74	0.65	0.26	1.09	0.24	1.00	0.24	16.82	1.97	2.93	2.93	FALSO	4.00	16.82	0.02	2.00	0.00	1.59	0.00	1.52
16.84	2.00	55.00	9.00	2.17	16.84	282.86	156.90	0.65	0.26	1.09	0.24	1.00	0.24	16.84	2.00	2.92	2.92	FALSO	4.00	16.84	0.02	2.00	0.00	1.58	0.00	1.52
16.86	2.08	52.66	9.00	2.24	16.86	283.22	157.06	0.65	0.26	1.09	0.24	1.00	0.24	16.86	2.08	2.89	2.89	FALSO	4.00	16.86	0.02	2.00	0.00	1.57	0.00	1.52
16.88	2.02	53.88	9.00	2.18	16.88	283.57	157.22	0.65	0.26	1.09	0.24	1.00	0.24	16.88	2.02	2.92	2.92	FALSO	4.00	16.88	0.02	2.00	0.00	1.56	0.00	1.52
16.90	2.06	53.60	9.00	2.22	16.90	283.93	157.38	0.65	0.26	1.09	0.24	1.00	0.24	16.90	2.06	2.90	2.90	FALSO	4.00	16.90	0.02	2.00	0.00	1.55	0.00	1.52
16.92	1.91	49.45	9.00	2.08	16.92	284.29	157.54	0.65	0.26	1.08	0.24	1.00	0.24	16.92	1.91	2.93	2.93	FALSO	4.00	16.92	0.02	2.00	0.00	1.54	0.00	1.52
16.94	1.96	47.25	9.00	2.14	16.94	284.64	157.70	0.65	0.26	1.08	0.24	1.00	0.24	16.94	1.96	2.90	2.90	FALSO	4.00	16.94	0.02	2.00	0.00	1.53	0.00	1.52
16.96	2.04	48.67	9.00	2.26	16.96	285.00	157.86	0.65	0.26	1.09	0.24	1.00	0.24	16.96	2.04	2.87	2.87	FALSO	4.00	16.96	0.02	2.00	0.00	1.52	0.00	1.52
16.98	2.02	48.19	9.00	2.23	16.98	285.35	158.02	0.65	0.26	1.09	0.24	1.00	0.24	16.98	2.02	2.88	2.88	FALSO	4.00	16.98	0.02	2.00	0.00	1.51	0.00	1.52
17.00	1.95	51.53	9.00	2.15	17.00	285.71	158.18	0.65	0.26	1.08	0.24	1.00	0.24	17.00	1.95	2.92	2.92	FALSO	4.00	17.00	0.02	2.00	0.00	1.50	0.00	1.52
17.02	1.90	50.39	9.00	2.10	17.02	286.06	158.34	0.65	0.26	1.08	0.24	1.00	0.24	17.02	1.90	2.93	2.93	FALSO	4.00	17.02	0.02	2.00	0.00	1.49	0.00	1.52
17.04	1.84	49.30	9.00	2.04	17.04	286.42	158.50	0.65	0.26	1.08	0.24	1.00	0.24	17.04	1.84	2.95	2.95	FALSO	4.00	17.04	0.02	2.00	0.00	1.48	0.00	1.52
17.06	1.77	50.07	9.00	1.97	17.06	286.77	158.65	0.65	0.26	1.08	0.24	1.00	0.24	17.06	1.77	2.97	2.97	FALSO	4.00	17.06	0.02	2.00	0.00	1.47	0.00	1.52
17.08	1.75	45.59	9.00	1.96	17.08	287.13	158.81	0.65	0.26	1.08	0.24	1.00	0.24	17.08	1.75	2.95	2.95	FALSO	4.00	17.08	0.02	2.00	0.00	1.46	0.00	1.52
17.10	1.79	43.22	9.00	2.01	17.10	287.48	158.97	0.65	0.26	1.08	0.24	1.00	0.24	17.10	1.79	2.93	2.93	FALSO	4.00	17.10	0.02	2.00	0.00	1.45	0.00	1.52
17.12	1.87	40.51	9.00	2.10	17.12	287.83	159.12	0.65	0.26	1.08	0.24	1.00	0.24	17.12	1.87	2.88	2.88	FALSO	4.00	17.12	0.02	2.00	0.00	1.44	0.00	1.52
17.14	2.00	36.54	9.00	2.23	17.14	288.18	159.27	0.65	0.26	1.08	0.24	1.00	0.24	17.14	2.00	2.81	2.81	FALSO	4.00	17.14	0.02	2.00	0.00	1.43	0.00	1.52
17.16	2.12	38.71	9.00	2.36	17.16	288.53	159.43	0.64	0.26	1.09	0.24	1.00	0.24	17.16	2.12	2.79	2.79	FALSO	4.00	17.16	0.02	2.00	0.00	1.42	0.00	1.52
17.18	2.13	39.36	9.00	2.37	17.18	288.88	159.58	0.64	0.26	1.09	0.24	1.00	0.24	17.18	2.13	2.79	2.79	FALSO	4.00	17.18	0.02	2.00	0.00	1.41	0.00	1.52
17.20	2.25	36.19	9.00	2.47	17.20	289.23	159.74	0.64	0.26	1.09	0.24	1.00	0.24	17.20	2.25	2.74	2.74	FALSO	4.00	17.20	0.02	2.00	0.00	1.40	0.00	1.52
17.22	2.14	35.22	9.00	2.35	17.22	289.58	159.89	0.64	0.26	1.09	0.24	1.00	0.24	17.22	2.14	2.77	2									

17.52	1.82	24.50	9.00	1.91	17.52	294.74	162.11	0.64	0.26	1.08	0.24	1.00	0.24	17.52	1.82	2.84	2.84	FALSO	4.00	17.52	0.02	2.00	0.00	1.24	0.00	1.52
17.54	1.81	24.65	9.00	1.91	17.54	295.08	162.25	0.64	0.26	1.08	0.24	1.00	0.24	17.54	1.81	2.84	2.84	FALSO	4.00	17.54	0.02	2.00	0.00	1.23	0.00	1.52
17.56	1.94	25.88	9.00	2.04	17.56	295.42	162.39	0.64	0.26	1.08	0.24	1.00	0.24	17.56	1.94	2.81	2.81	FALSO	4.00	17.56	0.02	2.00	0.00	1.22	0.00	1.52
17.58	2.06	27.56	9.00	2.17	17.58	295.76	162.54	0.64	0.26	1.08	0.24	1.00	0.24	17.58	2.06	2.78	2.78	FALSO	4.00	17.58	0.02	2.00	0.00	1.21	0.00	1.52
17.60	2.19	29.76	9.00	2.30	17.60	296.10	162.69	0.64	0.26	1.09	0.24	1.00	0.24	17.60	2.19	2.75	2.75	FALSO	4.00	17.60	0.02	2.00	0.00	1.20	0.00	1.52
17.62	2.40	33.38	9.00	2.48	17.62	296.45	162.84	0.64	0.26	1.09	0.23	1.00	0.23	17.62	2.40	2.73	2.73	FALSO	4.00	17.62	0.02	2.00	0.00	1.19	0.00	1.52
17.64	2.50	37.41	9.00	2.53	17.64	296.80	162.99	0.64	0.26	1.09	0.23	1.00	0.23	17.64	2.50	2.74	2.74	FALSO	4.00	17.64	0.02	2.00	0.00	1.18	0.00	1.52
17.66	2.49	37.81	9.00	2.52	17.66	297.15	163.15	0.63	0.26	1.09	0.23	1.00	0.23	17.66	2.49	2.75	2.75	FALSO	4.00	17.66	0.02	2.00	0.00	1.17	0.00	1.52
17.68	2.46	38.38	9.00	2.49	17.68	297.50	163.30	0.63	0.26	1.09	0.23	1.00	0.23	17.68	2.46	2.76	2.76	FALSO	4.00	17.68	0.02	2.00	0.00	1.16	0.00	1.52
17.70	2.26	36.67	9.00	2.30	17.70	297.85	163.45	0.63	0.26	1.09	0.23	1.00	0.23	17.70	2.26	2.81	2.81	FALSO	4.00	17.70	0.02	2.00	0.00	1.15	0.00	1.52
17.72	2.22	36.53	9.00	2.30	17.72	298.20	163.61	0.63	0.26	1.09	0.23	1.00	0.23	17.72	2.22	2.81	2.81	FALSO	4.00	17.72	0.02	2.00	0.00	1.14	0.00	1.52
17.74	2.49	36.01	9.00	2.63	17.74	298.55	163.76	0.63	0.26	1.09	0.23	1.00	0.23	17.74	2.49	2.71	2.71	FALSO	4.00	17.74	0.02	2.00	0.00	1.13	0.00	1.52
17.76	2.53	34.24	9.00	2.67	17.76	298.90	163.91	0.63	0.25	1.09	0.23	1.00	0.23	17.76	2.53	2.68	2.68	FALSO	4.00	17.76	0.02	2.00	0.00	1.12	0.00	1.52
17.78	2.59	42.44	9.00	2.73	17.78	299.25	164.07	0.63	0.25	1.09	0.23	1.00	0.23	17.78	2.59	2.72	2.72	FALSO	4.00	17.78	0.02	2.00	0.00	1.11	0.00	1.52
17.80	2.56	50.52	9.00	2.71	17.80	299.61	164.23	0.63	0.25	1.09	0.23	1.00	0.23	17.80	2.56	2.77	2.77	FALSO	4.00	17.80	0.02	2.00	0.00	1.10	0.00	1.52
17.82	2.56	50.52	9.00	2.71	17.82	299.97	164.39	0.63	0.25	1.09	0.23	1.00	0.23	17.82	2.56	2.77	2.77	FALSO	4.00	17.82	0.02	2.00	0.00	1.09	0.00	1.52
17.84	2.67	66.36	9.00	2.81	17.84	300.33	164.56	0.63	0.25	1.09	0.23	1.00	0.23	17.84	2.67	2.82	2.82	FALSO	4.00	17.84	0.02	2.00	0.00	1.08	0.00	1.52
17.86	2.59	82.44	9.00	2.72	17.86	300.70	164.73	0.63	0.25	1.09	0.23	1.00	0.23	17.86	2.59	2.89	2.89	FALSO	4.00	17.86	0.02	2.00	0.00	1.07	0.00	1.52
17.88	2.67	98.26	9.00	2.79	17.88	301.07	164.91	0.63	0.25	1.10	0.23	1.00	0.23	17.88	2.67	2.92	2.92	FALSO	4.00	17.88	0.02	2.00	0.00	1.06	0.00	1.52
17.90	2.62	108.95	9.00	2.74	17.90	301.45	165.09	0.63	0.25	1.10	0.23	1.00	0.23	17.90	2.62	2.96	2.96	FALSO	4.00	17.90	0.02	2.00	0.00	1.05	0.00	1.52
17.92	2.61	112.18	9.00	2.73	17.92	301.83	165.27	0.63	0.25	1.10	0.23	1.00	0.23	17.92	2.61	2.97	2.97	FALSO	4.00	17.92	0.02	2.00	0.00	1.04	0.00	1.52
17.94	2.47	114.97	9.00	2.62	17.94	302.20	165.45	0.63	0.25	1.09	0.23	1.00	0.23	17.94	2.47	3.01	3.01	FALSO	4.00	17.94	0.02	2.00	0.00	1.03	0.00	1.52
17.96	2.53	120.22	9.00	2.67	17.96	302.58	165.63	0.63	0.25	1.09	0.23	1.00	0.23	17.96	2.53	3.01	3.01	FALSO	4.00	17.96	0.02	2.00	0.00	1.02	0.00	1.52
17.98	2.55	122.20	9.00	2.70	17.98	302.96	165.81	0.63	0.25	1.09	0.23	1.00	0.23	17.98	2.55	3.01	3.01	FALSO	4.00	17.98	0.02	2.00	0.00	1.01	0.00	1.52
18.00	2.39	118.23	9.00	2.53	18.00	303.33	165.99	0.63	0.25	1.09	0.23	1.00	0.23	18.00	2.39	3.05	3.05	FALSO	4.00	18.00	0.02	2.00	0.00	1.00	0.00	1.52
18.02	2.46	108.64	9.00	2.59	18.02	303.71	166.17	0.63	0.25	1.09	0.23	1.00	0.23	18.02	2.46	3.01	3.01	FALSO	4.00	18.02	0.02	2.00	0.00	0.99	0.00	1.52
18.04	2.46	111.36	9.00	2.58	18.04	304.08	166.35	0.63	0.25	1.09	0.23	1.00	0.23	18.04	2.46	3.02	3.02	FALSO	4.00	18.04	0.02	2.00	0.00	0.98	0.00	1.52
18.06	2.49	109.54	9.00	2.60	18.06	304.46	166.53	0.63	0.25	1.09	0.23	1.00	0.23	18.06	2.49	3.00	3.00	FALSO	4.00	18.06	0.02	2.00	0.00	0.97	0.00	1.52
18.08	2.53	112.58	9.00	2.65	18.08	304.84	166.71	0.63	0.25	1.09	0.23	1.00	0.23	18.08	2.53	3.00	3.00	FALSO	4.00	18.08	0.02	2.00	0.00	0.96	0.00	1.52
18.10	2.50	115.67	9.00	2.61	18.10	305.21	166.89	0.63	0.25	1.09	0.23	1.00	0.23	18.10	2.50	3.02	3.02	FALSO	4.00	18.10	0.02	2.00	0.00	0.95	0.00	1.52
18.12	2.33	117.26	9.00	2.44	18.12	305.59	167.07	0.63	0.25	1.09	0.23	1.00	0.23	18.12	2.33	3.07	3.07	FALSO	4.00	18.12	0.02	2.00	0.00	0.94	0.00	1.52
18.14	2.24	119.67	9.00	2.33	18.14	305.96	167.25	0.63	0.25	1.09	0.23	1.00	0.23	18.14	2.24	3.11	3.11	FALSO	4.00	18.14	0.02	2.00	0.00	0.93	0.00	1.52
18.16	2.25	119.83	9.00	2.35	18.16	306.34	167.43	0.62	0.25	1.09	0.23	1.00	0.23	18.16	2.25	3.10	3.10	FALSO	4.00	18.16	0.02	2.00	0.00	0.92	0.00	1.52
18.18	2.28	119.15	9.00	2.38	18.18	306.72	167.61	0.62	0.25	1.09	0.23	1.00	0.23	18.18	2.28	3.09	3.09	FALSO	4.00	18.18	0.02	2.00	0.00	0.91	0.00	1.52
18.20	2.18	120.37	9.00	2.27	18.20	307.09	167.79	0.62	0.25	1.09	0.23	1.00	0.23	18.20	2.18	3.13	3.13	FALSO	4.00	18.20	0.02	2.00	0.00	0.90	0.00	1.52
18.22	2.20	118.66	9.00	2.29	18.22	307.47	167.97	0.62	0.25	1.09	0.23	1.00	0.23	18.22	2.20	3.12	3.12	FALSO	4.00	18.22	0.02	2.00	0.00	0.89	0.00	1.52
18.24	2.34	112.61	9.00	2.43	18.24	307.84	168.15	0.62	0.25	1.09	0.23	1.00	0.23	18.24	2.34	3.06	3.06	FALSO	4.00	18.24	0.02	2.00	0.00	0.88	0.00	1.52
18.26	2.42	112.55	9.00	2.52	18.26	308.22	168.33	0.62	0.25	1.09	0.23	1.00	0.23	18.26	2.42	3.04	3.04	FALSO	4.00	18.26	0.02	2.00	0.00	0.87	0.00	1.52
18.28	2.40	114.31	9.00	2.50	18.28	308.60	168.51	0.62	0.25	1.09	0.23	1.00	0.23	18.28	2.40	3.05	3.05	FALSO	4.00	18.28	0.02	2.00	0.00	0.86	0.00	1.52
18.30	2.41	111.44	9.00	2.51	18.30	308.97	168.69	0.62	0.25	1.09	0.23	1.00	0.23	18.30	2.41	3.04	3.04	FALSO	4.00	18.30	0.02	2.00	0.00	0.85	0.00	1.52
18.32	2.28	119.24	9.00	2.37	18.32	309.35	168.87	0.62	0.25	1.09	0.23	1.00	0.23	18.32	2.28	3.10	3.10	FALSO	4.00	18.32	0.02	2.00	0.00	0.84	0.00	1.52
18.34	2.17	128.41	9.00	2.26	18.34	309.72	169.05	0.62	0.25	1.09	0.23	1.00	0.23	18.34	2.17	3.15	3.15	FALSO	4.00	18.34	0.02	2.00	0.00	0.83	0.00	1.52
18.36	2.13	139.58	9.00	2.22	18.36	310.10	169.23	0.62	0.25	1.09	0.23	1.00	0.23	18.36	2.13	3.19	3.19	FALSO	4.00	18.36	0.02	2.00	0.00	0.82	0.00	1.52
18.38	2.13	142.81	9.00	2.22	18.38	310.48	169.42	0.62	0.25	1.09	0.23	1.00	0.23	18.38	2.13	3.20	3.20	FALSO	4.00	18.38	0.02	2.00	0.00	0.81	0.00	1.52
18.40	2.10	142.02	9.00	2.20	18.40	310.86	169.60	0.62	0.25	1.09	0.23	1.00	0.23	18.40	2.10	3.20	3.20	FALSO	4.00	18.40	0.02	2.00	0.00	0.80	0.00	1.52
18.42	2.08	137.13	9.00	2.18	18.42	311.24	169.78	0.62	0.25	1.09	0.23	1.00	0.23	18.42	2.08	3.20	3.20	FALSO	4.00	18.42	0.02	2.00	0.00	0.79	0.00	1.52
18.44	2.08	130.29	9.00	2.18	18.44	311.62	169.96	0.62	0.25	1.09	0.23	1.00	0.23	18.44	2.08	3.19	3.19	FALSO	4.00	18.44	0.02	2.00	0.00	0.78	0.00	1.52
18.46	2.11	119.50	9.00	2.21	18.46	312.00	170.14	0.62	0.25	1.09	0.23	1.00	0.23	18.46	2.11	3.15	3.15	FALSO	4.00	18.46	0.02	2.00	0.00	0.77	0.00	1.52
18.48	2.06	116.07	9.00	2.17	18.48	312.37	170.32	0.62	0.25	1.09	0.23	1.00	0.23													

18.78	2.10	98.38	9.00	2.21	18.78	317.96	172.97	0.61	0.25	1.09	0.23	1.00	0.23	18.78	2.10	3.11	3.11	FALSO	4.00	18.78	0.02	2.00	0.00	0.61	0.00	1.52
18.80	2.10	100.26	9.00	2.23	18.80	318.33	173.14	0.61	0.25	1.09	0.23	1.00	0.23	18.80	2.10	3.11	3.11	FALSO	4.00	18.80	0.02	2.00	0.00	0.60	0.00	1.52
18.82	2.26	98.18	9.00	2.40	18.82	318.70	173.32	0.61	0.25	1.09	0.23	1.00	0.23	18.82	2.26	3.05	3.05	FALSO	4.00	18.82	0.02	2.00	0.00	0.59	0.00	1.52
18.84	2.31	90.75	9.00	2.46	18.84	319.07	173.49	0.61	0.25	1.09	0.23	1.00	0.23	18.84	2.31	3.01	3.01	FALSO	4.00	18.84	0.02	2.00	0.00	0.58	0.00	1.52
18.86	2.25	80.56	9.00	2.39	18.86	319.44	173.66	0.61	0.25	1.09	0.23	1.00	0.23	18.86	2.25	3.00	3.00	FALSO	4.00	18.86	0.02	2.00	0.00	0.57	0.00	1.52
18.88	2.26	76.27	9.00	2.41	18.88	319.81	173.83	0.61	0.25	1.09	0.23	1.00	0.23	18.88	2.26	2.98	2.98	FALSO	4.00	18.88	0.02	2.00	0.00	0.56	0.00	1.52
18.90	2.35	70.96	9.00	2.52	18.90	320.17	174.00	0.61	0.25	1.09	0.23	1.00	0.23	18.90	2.35	2.93	2.93	FALSO	4.00	18.90	0.02	2.00	0.00	0.55	0.00	1.52
18.92	2.34	71.42	9.00	2.51	18.92	320.54	174.17	0.61	0.25	1.09	0.23	1.00	0.23	18.92	2.34	2.94	2.94	FALSO	4.00	18.92	0.02	2.00	0.00	0.54	0.00	1.52
18.94	2.42	65.28	9.00	2.58	18.94	320.90	174.34	0.61	0.25	1.09	0.23	1.00	0.23	18.94	2.42	2.90	2.90	FALSO	4.00	18.94	0.02	2.00	0.00	0.53	0.00	1.52
18.96	2.34	75.71	9.00	2.48	18.96	321.26	174.51	0.61	0.25	1.09	0.23	1.00	0.23	18.96	2.34	2.96	2.96	FALSO	4.00	18.96	0.02	2.00	0.00	0.52	0.00	1.52
18.98	2.42	80.50	9.00	2.58	18.98	321.63	174.68	0.61	0.25	1.09	0.23	1.00	0.23	18.98	2.42	2.95	2.95	FALSO	4.00	18.98	0.02	2.00	0.00	0.51	0.00	1.52
19.00	2.45	84.62	9.00	2.63	19.00	322.00	174.85	0.61	0.25	1.09	0.23	1.00	0.23	19.00	2.45	2.95	2.95	FALSO	4.00	19.00	0.02	2.00	0.00	0.50	0.00	1.52
19.02	2.54	81.19	9.00	2.73	19.02	322.37	175.02	0.61	0.25	1.09	0.23	1.00	0.23	19.02	2.54	2.91	2.91	FALSO	4.00	19.02	0.02	2.00	0.00	0.49	0.00	1.52
19.04	2.54	83.99	9.00	2.73	19.04	322.74	175.20	0.61	0.25	1.09	0.23	1.00	0.23	19.04	2.54	2.92	2.92	FALSO	4.00	19.04	0.02	2.00	0.00	0.48	0.00	1.52
19.06	2.59	85.07	9.00	2.77	19.06	323.11	175.37	0.61	0.25	1.09	0.23	1.00	0.23	19.06	2.59	2.92	2.92	FALSO	4.00	19.06	0.02	2.00	0.00	0.47	0.00	1.52
19.08	2.47	88.36	9.00	2.65	19.08	323.48	175.55	0.61	0.25	1.09	0.23	1.00	0.23	19.08	2.47	2.96	2.96	FALSO	4.00	19.08	0.02	2.00	0.00	0.46	0.00	1.52
19.10	2.38	91.24	9.00	2.55	19.10	323.85	175.72	0.61	0.25	1.09	0.23	1.00	0.23	19.10	2.38	2.99	2.99	FALSO	4.00	19.10	0.02	2.00	0.00	0.45	0.00	1.52
19.12	2.31	93.21	9.00	2.48	19.12	324.22	175.89	0.61	0.25	1.09	0.23	1.00	0.23	19.12	2.31	3.02	3.02	FALSO	4.00	19.12	0.02	2.00	0.00	0.44	0.00	1.52
19.14	2.21	94.01	9.00	2.37	19.14	324.59	176.07	0.61	0.25	1.09	0.23	1.00	0.23	19.14	2.21	3.05	3.05	FALSO	4.00	19.14	0.02	2.00	0.00	0.43	0.00	1.52
19.16	2.15	92.41	9.00	2.32	19.16	324.96	176.24	0.61	0.25	1.09	0.23	1.00	0.23	19.16	2.15	3.06	3.06	FALSO	4.00	19.16	0.02	2.00	0.00	0.42	0.00	1.52
19.18	2.06	90.61	9.00	2.24	19.18	325.33	176.42	0.61	0.25	1.08	0.23	1.00	0.23	19.18	2.06	3.09	3.09	FALSO	4.00	19.18	0.02	2.00	0.00	0.41	0.00	1.52
19.20	2.07	81.61	9.00	2.24	19.20	325.70	176.59	0.61	0.25	1.08	0.23	1.00	0.23	19.20	2.07	3.06	3.06	FALSO	4.00	19.20	0.02	2.00	0.00	0.40	0.00	1.52
19.22	2.08	77.93	9.00	2.26	19.22	326.07	176.76	0.60	0.25	1.08	0.23	1.00	0.23	19.22	2.08	3.04	3.04	FALSO	4.00	19.22	0.02	2.00	0.00	0.39	0.00	1.52
19.24	2.12	74.96	9.00	2.25	19.24	326.43	176.93	0.60	0.25	1.09	0.23	1.00	0.23	19.24	2.12	3.03	3.03	FALSO	4.00	19.24	0.02	2.00	0.00	0.38	0.00	1.52
19.26	2.21	73.98	9.00	2.32	19.26	326.80	177.10	0.60	0.25	1.09	0.23	1.00	0.23	19.26	2.21	3.01	3.01	FALSO	4.00	19.26	0.02	2.00	0.00	0.37	0.00	1.52
19.28	2.23	81.04	9.00	2.32	19.28	327.16	177.27	0.60	0.25	1.09	0.23	1.00	0.23	19.28	2.23	3.03	3.03	FALSO	4.00	19.28	0.02	2.00	0.00	0.36	0.00	1.52
19.30	2.20	88.12	9.00	2.29	19.30	327.53	177.44	0.60	0.25	1.09	0.23	1.00	0.23	19.30	2.20	3.06	3.06	FALSO	4.00	19.30	0.02	2.00	0.00	0.35	0.00	1.52
19.32	2.24	88.06	9.00	2.33	19.32	327.90	177.61	0.60	0.25	1.09	0.23	1.00	0.23	19.32	2.24	3.05	3.05	FALSO	4.00	19.32	0.02	2.00	0.00	0.34	0.00	1.52
19.34	2.26	91.51	9.00	2.35	19.34	328.27	177.79	0.60	0.25	1.09	0.23	1.00	0.23	19.34	2.26	3.06	3.06	FALSO	4.00	19.34	0.02	2.00	0.00	0.33	0.00	1.52
19.36	2.31	95.00	9.00	2.40	19.36	328.64	177.96	0.60	0.25	1.09	0.23	1.00	0.23	19.36	2.31	3.05	3.05	FALSO	4.00	19.36	0.02	2.00	0.00	0.32	0.00	1.52
19.38	2.30	102.33	9.00	2.39	19.38	329.02	178.14	0.60	0.25	1.09	0.23	1.00	0.23	19.38	2.30	3.08	3.08	FALSO	4.00	19.38	0.02	2.00	0.00	0.31	0.00	1.52
19.40	2.26	105.36	9.00	2.34	19.40	329.39	178.32	0.60	0.25	1.09	0.23	1.00	0.23	19.40	2.26	3.10	3.10	FALSO	4.00	19.40	1.02	2.00	0.00	0.30	0.00	1.52
19.42	2.14	109.36	9.00	2.21	19.42	329.76	178.49	0.60	0.25	1.09	0.23	1.00	0.23	19.42	2.14	3.15	3.15	FALSO	4.00	19.42	0.02	2.00	0.00	0.29	0.00	1.52
19.44	2.09	108.17	9.00	2.15	19.44	330.14	178.67	0.60	0.25	1.08	0.23	1.00	0.23	19.44	2.09	3.17	3.17	FALSO	4.00	19.44	2.02	2.00	0.00	0.28	0.00	1.52
19.46	2.05	102.69	9.00	2.09	19.46	330.51	178.85	0.60	0.25	1.08	0.23	1.00	0.23	19.46	2.05	3.17	3.17	FALSO	4.00	19.46	0.02	2.00	0.00	0.27	0.00	1.52
19.48	2.02	99.39	9.00	2.06	19.48	330.88	179.02	0.60	0.25	1.08	0.23	1.00	0.23	19.48	2.02	3.18	3.18	FALSO	4.00	19.48	3.02	2.00	0.00	0.26	0.00	1.52
19.50	1.98	96.76	9.00	2.02	19.50	331.25	179.20	0.60	0.24	1.08	0.23	1.00	0.23	19.50	1.98	3.18	3.18	FALSO	4.00	19.50	0.02	2.00	0.00	0.25	0.00	1.52
19.52	1.97	93.39	9.00	2.01	19.52	331.62	179.37	0.60	0.24	1.08	0.23	1.00	0.23	19.52	1.97	3.18	3.18	FALSO	4.00	19.52	4.02	2.00	0.00	0.24	0.00	1.52
19.54	1.97	90.39	9.00	2.01	19.54	331.99	179.54	0.60	0.24	1.08	0.23	1.00	0.23	19.54	1.97	3.17	3.17	FALSO	4.00	19.54	0.02	2.00	0.00	0.23	0.00	1.52
19.56	1.99	87.62	9.00	2.04	19.56	332.36	179.71	0.60	0.24	1.08	0.23	1.00	0.23	19.56	1.99	3.15	3.15	FALSO	4.00	19.56	5.02	2.00	0.00	0.22	0.00	1.52
19.58	2.06	87.04	9.00	2.12	19.58	332.73	179.89	0.60	0.24	1.08	0.23	1.00	0.23	19.58	2.06	3.12	3.12	FALSO	4.00	19.58	0.02	2.00	0.00	0.21	0.00	1.52
19.60	2.17	88.64	9.00	2.23	19.60	333.09	180.06	0.60	0.24	1.09	0.23	1.00	0.23	19.60	2.17	3.09	3.09	FALSO	4.00	19.60	6.02	2.00	0.00	0.20	0.00	1.52
19.62	2.29	86.70	9.00	2.36	19.62	333.46	180.23	0.60	0.24	1.09	0.22	1.00	0.22	19.62	2.29	3.05	3.05	FALSO	4.00	19.62	0.02	2.00	0.00	0.19	0.00	1.52
19.64	2.35	83.47	9.00	2.42	19.64	333.83	180.40	0.60	0.24	1.09	0.22	1.00	0.22	19.64	2.35	3.02	3.02	FALSO	4.00	19.64	7.02	2.00	0.00	0.18	0.00	1.52
19.66	2.40	82.04	9.00	2.47	19.66	334.20	180.58	0.60	0.24	1.09	0.22	1.00	0.22	19.66	2.40	3.00	3.00	FALSO	4.00	19.66	0.02	2.00	0.00	0.17	0.00	1.52
19.68	2.50	80.13	9.00	2.58	19.68	334.57	180.75	0.60	0.24	1.09	0.22	1.00	0.22	19.68	2.50	2.96	2.96	FALSO	4.00	19.68	8.02	2.00	0.00	0.16	0.00	1.52
19.70	2.53	80.87	9.00	2.61	19.70	334.94	180.92	0.60	0.24	1.09	0.22	1.00	0.22	19.70	2.53	2.96	2.96	FALSO	4.00	19.70	0.02	2.00	0.00	0.15	0.00	1.52
19.72	2.52	87.61	9.00	2.61	19.72	335.31	181.09	0.60	0.24	1.09	0.22	1.00	0.22	19.72	2.52	2.98	2.98	FALSO	4.00	19.72	1.02	2.00	0.00	0.14	0.00	1.52
19.74	2.64	93.43	9.00	2.73	19.74	335.68	181.27	0.60	0.24	1.09	0.22	1.00	0.22	19.74	2.64	2.97										

19.90	2.44	125.02	9.00	2.53	19.90	338.70	182.72	0.59	0.24	1.09	0.22	1.00	0.22	19.90	2.44	3.10	3.10	FALSO	4.00	19.90	0.02	2.00	0.00	0.05	0.00	1.52
19.92	2.66	121.47	9.00	2.76	19.92	339.07	182.90	0.59	0.24	1.09	0.22	1.00	0.22	19.92	2.66	3.03	3.03	FALSO	4.00	19.92	6.02	2.00	0.00	0.04	0.00	1.52
19.94	2.49	91.62	9.00	2.64	19.94	339.45	183.07	0.59	0.24	1.09	0.22	1.00	0.22	19.94	2.49	2.99	2.99	FALSO	4.00	19.94	0.02	2.00	0.00	0.03	0.00	1.52
19.96	3.19	107.99	9.00	3.36	19.96	339.82	183.26	0.59	0.24	1.10	0.22	1.00	0.22	19.96	3.19	2.87	2.87	FALSO	4.00	19.96	7.02	2.00	0.00	0.02	0.00	1.52
19.98	3.31	97.73	9.00	3.47	19.98	340.20	183.43	0.59	0.24	1.10	0.22	1.00	0.22	19.98	3.31	2.82	2.82	FALSO	4.00	19.98	0.02	2.00	0.00	0.01	0.00	1.52
20.00	3.31	97.73	9.00	3.47	20.00	340.57	183.61	0.59	0.24	1.10	0.22	1.00	0.22	20.00	3.31	2.82	2.82	FALSO	4.00	20.00	8.02	2.00	0.00	0.00	0.00	1.52