
SCHEDE DELLE INDAGINI GEOTECNICHE DI NUOVA REALIZZAZIONE

PROVA PENETROMETRICA DINAMICA

Committente: Comune di San Giovanni in Persiceto Cantiere: Microzonazione sismica L3 Località: San Giovanni in Persiceto	
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Caratteristiche Tecniche-Strumentali Sonda: PROVE SPT IN FORO

Rif. Norme	DIN 4094
Peso Massa battente	63.5 Kg
Altezza di caduta libera	0.76 m
Peso sistema di battuta	4.2 Kg
Diametro punta conica	50.46 mm
Area di base punta	20 cm ²
Lunghezza delle aste	1 m
Peso aste a metro	7 Kg/m
Profondità giunzione prima asta	0.80 m
Avanzamento punta	0.30 m
Numero colpi per punta	N(30)
Coeff. Correlazione	1
Rivestimento/fanghi	No

PROVA S1 - SPT2

Strumento utilizzato... PROVE SPT IN FORO
 Prova eseguita in data 04/12/2017
 Falda non rilevata

Tipo elaborazione Nr. Colpi: Distribuzione normale R.C.

Profondità (m)	Nr. Colpi
13.75	12
13.90	15
14.05	16

STIMA PARAMETRI GEOTECNICI PROVA S1 - SPT2

Strato	Prof. (m)	NSPT	Tipo	Peso unità di volume (KN/m ³)	Peso unità di volume saturo (KN/m ³)	Angolo di resistenza al taglio (°)	Coesione non drenata (KPa)	Modulo Edometrico (Mpa)	Modulo Elastico (Mpa)	Modulo Poisson	Modulo di taglio G (Mpa)
Strato (1) Strato	0.00-14.05	31	Coesivo Incoerente	21.38	23.54	36.3	205.16	31.18	30.40	0.29	160.81

PROVA S1 - SPT1

Strumento utilizzato... PROVE SPT IN FORO
 Prova eseguita in data 04/12/2017
 Falda non rilevata

Tipo elaborazione Nr. Colpi: Distribuzione normale R.C.

Profondità (m)	Nr. Colpi
7.15	4
7.30	4
7.45	6

STIMA PARAMETRI GEOTECNICI PROVA S1 - SPT1

Strato	Prof. (m)	NSPT	Tipo	Peso unità di volume (KN/m ³)	Peso unità di volume saturo (KN/m ³)	Angolo di resistenza al taglio (°)	Coesione non drenata (KPa)	Modulo Edometrico (Mpa)	Modulo Elastico (Mpa)	Modulo Poisson	Modulo di taglio G (Mpa)
Strato (1) Strato	0.00-7.45	10	Coesivo Incoerente	19.32	21.28	30	66.19	10.18	9.81	0.33	55.52

PROVA S2 - SPT1

Strumento utilizzato...
 Prova eseguita in data
 Falda non rilevata

PROVE SPT IN FORO
 04/12/2017

Tipo elaborazione Nr. Colpi: Distribuzione normale R.C.

Profondità (m)	Nr. Colpi
2.65	1
2.80	2
2.95	2

STIMA PARAMETRI GEOTECNICI PROVA S2 - SPT1

Strato	Prof. (m)	NSPT	Tipo	Peso unità di volume (KN/m ³)	Peso unità di volume saturo (KN/m ³)	Angolo di resistenza al taglio (°)	Coesione non drenata (KPa)	Modulo Edometrico (Mpa)	Modulo Elastico (Mpa)	Modulo Poisson	Modulo di taglio G (Mpa)
Strato (1) Strato	0.00-2.95	4	Coesivo Incoerente	16.67	18.34	28.2	24.52	4.18	3.92	0.35	23.46

PROVA S2 - SPT2

Strumento utilizzato...
 Prova eseguita in data
 Falda non rilevata

PROVE SPT IN FORO
 04/12/2017

Tipo elaborazione Nr. Colpi: Distribuzione normale R.C.

Profondità (m)	Nr. Colpi
5.45	1
5.60	3
5.75	5

STIMA PARAMETRI GEOTECNICI PROVA S2 - SPT2

Strato	Prof. (m)	NSPT	Tipo	Peso unità di volume (KN/m ³)	Peso unità di volume saturo (KN/m ³)	Angolo di resistenza al taglio (°)	Coesione non drenata (KPa)	Modulo Edometrico (Mpa)	Modulo Elastico (Mpa)	Modulo Poisson	Modulo di taglio G (Mpa)
Strato (1) Strato	0.00-5.75	8	Coesivo Incoerente	18.63	18.73	29.4	52.96	8.18	7.85	0.34	45.01

PROVA PENETROMETRICA STATICA

Committente: Comune di San Giovanni Persiceto Cantiere: Microzonazione Sismica Livello 3 Località: S. Giovanni Persiceto	
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Caratteristiche Strumentali PAGANI 200 kN (CPTU)

Rif. Norme	ASTM D3441-86
Diametro Punta conica meccanica	35.7
Angolo di apertura punta	60
Area punta	10
Superficie manicotto	150
Passo letture (cm)	2
Costante di trasformazione Ct	10

PROVA ...CPTU N°6

Committente: Comune di San Giovanni Persiceto

Strumento utilizzato: PAGANI 200 kN (CPTU)

Prova eseguita in data: 05/11/2017

Profondità prova: 15.00 mt

Località: S. Giovanni Persiceto

RESISTENZE / LITOLOGIE

Profondità
 qc Resistenza punta (Kg/cm²);
 fs Resistenza laterale (Kg/cm²);
 Tilt Inclinazione (°)
 Temp Temperatura (°)
 Fr fs/qcx100 (Schmertmann)
 qcn qc normalizzata (Kg/cm²);
 fsn fs normalizzato (Kg/cm²);
 U2 Pressione neutrale intorno al cono (Kg/cm²);
 Uo Pressione neutrale rilevata (Kg/cm²);
 Fc Contenuto in materiale fine(%)

Profondità	qc	fs	U2	Tilt	Temp	qc/fs	Fr	Uo	qcn	fsn	FC%
0.02	12.0	0.1	0.14	0.0	0.0	120.0	0.833	0.0	0.0	0.0	0
0.04	11.0	0.18	0.13	0.0	0.0	61.111	1.636	0.0	0.0	0.0	0
0.06	11.0	0.26	0.13	0.0	0.0	42.308	2.364	0.0	0.0	0.0	0
0.08	11.0	0.35	0.11	0.0	0.0	31.429	3.182	0.0	0.0	0.0	0
0.10	11.0	0.44	0.10	0.0	0.0	25.0	4.0	0.0	0.0	0.0	0
0.12	11.0	0.57	0.08	0.0	0.0	19.298	5.182	0.0	0.0	0.0	0
0.14	11.0	0.66	0.08	0.0	0.0	16.667	6.0	0.0	0.0	0.0	0
0.16	12.0	0.69	0.07	0.0	0.0	17.391	5.75	0.0	0.0	0.0	0
0.18	13.0	0.7	0.08	0.0	0.0	18.571	5.385	0.0	0.0	0.0	0
0.20	13.0	0.72	0.08	0.0	0.0	18.056	5.538	0.0	0.0	0.0	0
0.22	14.0	0.71	0.07	0.0	0.0	19.718	5.071	0.0	0.0	0.0	0
0.24	14.0	0.74	0.06	0.0	0.0	18.919	5.286	0.0	0.0	0.0	0
0.26	15.0	0.79	0.03	0.0	0.0	18.987	5.267	0.0	0.0	0.0	0
0.28	15.0	0.86	0.03	0.0	0.0	17.442	5.733	0.0	0.0	0.0	0
0.30	14.0	1.01	-0.21	0.0	0.0	13.861	7.214	0.0	0.0	0.0	0
0.32	14.0	1.04	-0.21	0.0	0.0	13.462	7.429	0.0	0.0	0.0	0
0.34	14.0	1.08	-0.21	0.0	0.0	12.963	7.714	0.0	0.0	0.0	0
0.36	14.0	1.11	-0.23	0.0	0.0	12.613	7.929	0.0	0.0	0.0	0
0.38	14.0	1.13	-0.23	0.0	0.0	12.389	8.071	0.0	0.0	0.0	0
0.40	14.0	1.13	-0.24	0.0	0.0	12.389	8.071	0.0	0.0	0.0	0
0.42	13.0	1.13	-0.24	0.0	0.0	11.504	8.692	0.0	0.0	0.0	0
0.44	13.0	1.1	-0.24	0.0	0.0	11.818	8.462	0.0	0.0	0.0	0
0.46	13.0	1.08	-0.24	0.0	0.0	12.037	8.308	0.0	0.0	0.0	0
0.48	13.0	1.05	-0.24	0.0	0.0	12.381	8.077	0.0	0.0	0.0	0
0.50	13.0	1.01	-0.24	0.0	0.0	12.871	7.769	0.0	0.0	0.0	0
0.52	14.0	0.98	-0.24	0.0	0.0	14.286	7.0	0.0	0.0	0.0	0
0.54	14.0	0.95	-0.24	0.0	0.0	14.737	6.786	0.0	0.0	0.0	0
0.56	14.0	0.94	-0.26	0.0	0.0	14.894	6.714	0.0	0.0	0.0	0
0.58	14.0	0.94	-0.24	0.0	0.0	14.894	6.714	0.0	0.0	0.0	0
0.60	14.0	0.96	-0.24	0.0	0.0	14.583	6.857	0.0	0.0	0.0	0
0.62	14.0	0.97	-0.24	0.0	0.0	14.433	6.929	0.0	0.0	0.0	0
0.64	15.0	0.98	-0.24	0.0	0.0	15.306	6.533	0.0	0.0	0.0	0
0.66	16.0	0.99	-0.21	0.0	0.0	16.162	6.188	0.0	0.0	0.0	0
0.68	17.0	0.97	-0.20	0.0	0.0	17.526	5.706	0.0	0.0	0.0	0
0.70	18.0	0.97	-0.19	0.0	0.0	18.557	5.389	0.0	0.0	0.0	0
0.72	19.0	1.02	-0.17	0.0	0.0	18.627	5.368	0.0	0.0	0.0	0
0.74	20.0	1.05	-0.17	0.0	0.0	19.048	5.25	0.0	0.0	0.0	0
0.76	22.0	1.08	-0.16	0.0	0.0	20.37	4.909	0.0	0.0	0.0	0
0.78	24.0	1.16	-0.12	0.0	0.0	20.69	4.833	0.0	0.0	0.0	0
0.80	29.0	1.27	-0.04	0.0	0.0	22.835	4.379	0.0	0.0	0.0	0
0.82	34.0	1.37	0.04	0.0	0.0	24.818	4.029	0.0	0.0	0.0	0
0.84	41.0	1.45	0.13	0.0	0.0	28.276	3.537	0.0	0.0	0.0	0
0.86	47.0	1.52	0.19	0.0	0.0	30.921	3.234	0.0	0.0	0.0	0
0.88	51.0	1.67	0.23	0.0	0.0	30.539	3.275	0.0	0.0	0.0	0

0.90	55.0	1.85	0.26	0.0	0.0	29.73	3.364	0.0	0.0	0.0	0
0.92	58.0	2.04	0.30	0.0	0.0	28.431	3.517	0.0	0.0	0.0	0
0.94	61.0	2.27	0.32	0.0	0.0	26.872	3.721	0.0	0.0	0.0	0
0.96	63.0	2.55	0.33	0.0	0.0	24.706	4.048	0.0	0.0	0.0	0
0.98	65.0	2.76	0.34	0.0	0.0	23.551	4.246	0.0	0.0	0.0	0
1.00	66.0	2.85	0.33	0.0	0.0	23.158	4.318	0.0	0.0	0.0	0
1.02	67.0	2.88	0.32	0.0	0.0	23.264	4.299	0.0	0.0	0.0	0
1.04	67.0	2.77	0.34	0.0	0.0	24.188	4.134	0.0	0.0	0.0	0
1.06	69.0	2.65	0.37	0.0	0.0	26.038	3.841	0.0	0.0	0.0	0
1.08	69.0	2.4	0.38	0.0	0.0	28.75	3.478	0.0	0.0	0.0	0
1.10	69.0	2.12	0.41	0.0	0.0	32.547	3.072	0.0	0.0	0.0	0
1.12	68.0	1.86	0.44	0.0	0.0	36.559	2.735	0.0	0.0	0.0	0
1.14	67.0	1.58	0.44	0.0	0.0	42.405	2.358	0.0	0.0	0.0	0
1.16	65.0	1.29	0.44	0.0	0.0	50.388	1.985	0.0	0.0	0.0	0
1.18	63.0	1.09	0.44	0.0	0.0	57.798	1.73	0.0	0.0	0.0	0
1.20	61.0	0.95	0.42	0.0	0.0	64.211	1.557	0.0	0.0	0.0	0
1.22	58.0	0.88	0.41	0.0	0.0	65.909	1.517	0.0	0.0	0.0	0
1.24	56.0	0.82	0.41	0.0	0.0	68.293	1.464	0.0	0.0	0.0	0
1.26	50.0	0.64	0.49	0.0	0.0	78.125	1.28	0.0	0.0	0.0	0
1.28	48.0	0.6	0.46	0.0	0.0	80.0	1.25	0.0	0.0	0.0	0
1.30	47.0	0.54	0.44	0.0	0.0	87.037	1.149	0.0	0.0	0.0	0
1.32	46.0	0.49	0.41	0.0	0.0	93.878	1.065	0.0	0.0	0.0	0
1.34	44.0	0.45	0.40	0.0	0.0	97.778	1.023	0.0	0.0	0.0	0
1.36	43.0	0.4	0.38	0.0	0.0	107.5	0.93	0.0	0.0	0.0	0
1.38	43.0	0.37	0.38	0.0	0.0	116.216	0.86	0.0	0.0	0.0	0
1.40	43.0	0.34	0.38	0.0	0.0	126.471	0.791	0.0	0.0	0.0	0
1.42	43.0	0.32	0.38	0.0	0.0	134.375	0.744	0.0	0.0	0.0	0
1.44	43.0	0.32	0.38	0.0	0.0	134.375	0.744	0.0	0.0	0.0	0
1.46	41.0	0.32	0.38	0.0	0.0	128.125	0.78	0.0	0.0	0.0	0
1.48	40.0	0.32	0.37	0.0	0.0	125.0	0.8	0.0	0.0	0.0	0
1.50	40.0	0.33	0.36	0.0	0.0	121.212	0.825	0.0	0.0	0.0	0
1.52	38.0	0.34	0.36	0.0	0.0	111.765	0.895	0.0	0.0	0.0	0
1.54	37.0	0.34	0.34	0.0	0.0	108.824	0.919	0.0	0.0	0.0	0
1.56	34.0	0.34	0.33	0.0	0.0	100.0	1.0	0.0	0.0	0.0	0
1.58	31.0	0.35	0.27	0.0	0.0	88.571	1.129	0.0	0.0	0.0	0
1.60	27.0	0.42	0.25	0.0	0.0	64.286	1.556	0.0	0.0	0.0	0
1.62	26.0	0.49	0.22	0.0	0.0	53.061	1.885	0.0	0.0	0.0	0
1.64	29.0	0.58	0.22	0.0	0.0	50.0	2.0	0.0	0.0	0.0	0
1.66	32.0	0.61	0.21	0.0	0.0	52.459	1.906	0.0	0.0	0.0	0
1.68	34.0	0.6	0.23	0.0	0.0	56.667	1.765	0.0	0.0	0.0	0
1.70	35.0	0.57	0.26	0.0	0.0	61.404	1.629	0.0	0.0	0.0	0
1.72	36.0	0.54	0.27	0.0	0.0	66.667	1.5	0.0	0.0	0.0	0
1.74	34.0	0.47	0.27	0.0	0.0	72.34	1.382	0.0	0.0	0.0	0
1.76	27.0	0.4	0.21	0.0	0.0	67.5	1.481	0.0	0.0	0.0	0
1.78	22.0	0.34	0.15	0.0	0.0	64.706	1.545	0.0	0.0	0.0	0
1.80	19.0	0.41	0.13	0.0	0.0	46.341	2.158	0.0	0.0	0.0	0
1.82	16.0	0.54	0.10	0.0	0.0	29.63	3.375	0.0	0.0	0.0	0
1.84	14.0	0.69	0.07	0.0	0.0	20.29	4.929	0.0	0.0	0.0	0
1.86	12.0	0.79	0.51	0.0	0.0	15.19	6.583	0.0	0.0	0.0	0
1.88	12.0	0.74	0.74	0.0	0.0	16.216	6.167	0.0	0.0	0.0	0
1.90	12.0	0.67	0.95	0.0	0.0	17.91	5.583	0.0	0.0	0.0	0
1.92	13.0	0.59	1.16	0.0	0.0	22.034	4.538	0.0	0.0	0.0	0
1.94	15.0	0.54	1.41	0.0	0.0	27.778	3.6	0.0	0.0	0.0	0
1.96	14.0	0.49	1.32	0.0	0.0	28.571	3.5	0.0	0.0	0.0	0
1.98	12.0	0.45	1.24	0.0	0.0	26.667	3.75	0.0	0.0	0.0	0
2.00	11.0	0.41	1.25	0.0	0.0	26.829	3.727	0.0	0.0	0.0	0
2.02	12.0	0.35	1.29	0.0	0.0	34.286	2.917	0.0	0.0	0.0	0
2.04	12.0	0.37	1.35	0.0	0.0	32.432	3.083	0.0	0.0	0.0	0
2.06	11.0	0.35	1.32	0.0	0.0	31.429	3.182	0.0	0.0	0.0	0
2.08	12.0	0.35	1.36	0.0	0.0	34.286	2.917	0.0	0.0	0.0	0
2.10	14.0	0.33	1.40	0.0	0.0	42.424	2.357	0.0	0.0	0.0	0
2.12	15.0	0.33	1.26	0.0	0.0	45.455	2.2	0.0	0.0	0.0	0
2.14	17.0	0.35	0.83	0.0	0.0	48.571	2.059	0.0	0.0	0.0	0
2.16	18.0	0.39	0.56	0.0	0.0	46.154	2.167	0.0	0.0	0.0	0
2.18	21.0	0.42	0.44	0.0	0.0	50.0	2.0	0.0	0.0	0.0	0
2.20	25.0	0.44	0.33	0.0	0.0	56.818	1.76	0.0	0.0	0.0	0
2.22	28.0	0.42	0.25	0.0	0.0	66.667	1.5	0.0	0.0	0.0	0
2.24	32.0	0.3	0.18	0.0	0.0	106.667	0.938	0.0	0.0	0.0	0
2.26	32.0	0.3	0.10	0.0	0.0	106.667	0.938	0.0	0.0	0.0	0
2.28	31.0	0.29	0.07	0.0	0.0	106.897	0.935	0.0	0.0	0.0	0

2.30	30.0	0.27	0.04	0.0	0.0	111.111	0.9	0.0	0.0	0.0	0
2.32	29.0	0.27	0.00	0.0	0.0	107.407	0.931	0.0	0.0	0.0	0
2.34	27.0	0.31	-0.05	0.0	0.0	87.097	1.148	0.0	0.0	0.0	0
2.36	26.0	0.4	-0.12	0.0	0.0	65.0	1.538	0.0	0.0	0.0	0
2.38	26.0	0.52	-0.16	0.0	0.0	50.0	2.0	0.0	0.0	0.0	0
2.40	34.0	0.67	-0.05	0.0	0.0	50.746	1.971	0.0	0.0	0.0	0
2.42	52.0	0.84	0.08	0.0	0.0	61.905	1.615	0.0	0.0	0.0	0
2.44	68.0	0.9	0.04	0.0	0.0	75.556	1.324	0.0	0.0	0.0	0
2.46	78.0	0.9	0.02	0.0	0.0	86.667	1.154	0.0	0.0	0.0	0
2.48	85.0	0.84	0.00	0.0	0.0	101.19	0.988	0.0	0.0	0.0	0
2.50	89.0	0.78	-0.02	0.0	0.0	114.103	0.876	0.0	0.0	0.0	0
2.52	92.0	0.69	-0.04	0.0	0.0	133.333	0.75	0.0	0.0	0.0	0
2.54	92.0	0.62	-0.07	0.0	0.0	148.387	0.674	0.0	0.0	0.0	0
2.56	92.0	0.57	-0.09	0.0	0.0	161.404	0.62	0.0	0.0	0.0	0
2.58	90.0	0.61	-0.11	0.0	0.0	147.541	0.678	0.0	0.0	0.0	0
2.60	89.0	0.66	-0.13	0.0	0.0	134.848	0.742	0.0	0.0	0.0	0
2.62	89.0	0.67	-0.13	0.0	0.0	132.836	0.753	0.0	0.0	0.0	0
2.64	89.0	0.69	-0.16	0.0	0.0	128.986	0.775	0.0	0.0	0.0	0
2.66	88.0	0.68	-0.16	0.0	0.0	129.412	0.773	0.0	0.0	0.0	0
2.68	87.0	0.71	-0.17	0.0	0.0	122.535	0.816	0.0	0.0	0.0	0
2.70	85.0	0.72	-0.19	0.0	0.0	118.056	0.847	0.0	0.0	0.0	0
2.72	80.0	0.83	-0.20	0.0	0.0	96.386	1.038	0.0	0.0	0.0	0
2.74	73.0	0.81	-0.23	0.0	0.0	90.123	1.11	0.0	0.0	0.0	0
2.76	65.0	0.75	-0.27	0.0	0.0	86.667	1.154	0.0	0.0	0.0	0
2.78	57.0	0.69	-0.28	0.0	0.0	82.609	1.211	0.0	0.0	0.0	0
2.80	50.0	0.61	-0.31	0.0	0.0	81.967	1.22	0.0	0.0	0.0	0
2.82	44.0	0.49	-0.34	0.0	0.0	89.796	1.114	0.0	0.0	0.0	0
2.84	40.0	0.39	-0.35	0.0	0.0	102.564	0.975	0.0	0.0	0.0	0
2.86	38.0	0.31	-0.36	0.0	0.0	122.581	0.816	0.0	0.0	0.0	0
2.88	36.0	0.28	-0.36	0.0	0.0	128.571	0.778	0.0	0.0	0.0	0
2.90	36.0	0.32	-0.38	0.0	0.0	112.5	0.889	0.0	0.0	0.0	0
2.92	36.0	0.4	-0.38	0.0	0.0	90.0	1.111	0.0	0.0	0.0	0
2.94	37.0	0.46	-0.38	0.0	0.0	80.435	1.243	0.0	0.0	0.0	0
2.96	39.0	0.52	-0.38	0.0	0.0	75.0	1.333	0.0	0.0	0.0	0
2.98	43.0	0.6	-0.36	0.0	0.0	71.667	1.395	0.0	0.0	0.0	0
3.00	47.0	0.62	-0.36	0.0	0.0	75.806	1.319	0.0	0.0	0.0	0
3.02	52.0	0.61	-0.35	0.0	0.0	85.246	1.173	0.0	0.0	0.0	0
3.04	57.0	0.6	-0.35	0.0	0.0	95.0	1.053	0.0	0.0	0.0	0
3.06	60.0	0.56	-0.34	0.0	0.0	107.143	0.933	0.0	0.0	0.0	0
3.08	60.0	0.56	-0.34	0.0	0.0	107.143	0.933	0.0	0.0	0.0	0
3.10	61.0	0.58	-0.35	0.0	0.0	105.172	0.951	0.0	0.0	0.0	0
3.12	60.0	0.57	-0.36	0.0	0.0	105.263	0.95	0.0	0.0	0.0	0
3.14	55.0	0.59	-0.38	0.0	0.0	93.22	1.073	0.0	0.0	0.0	0
3.16	51.0	0.6	-0.40	0.0	0.0	85.0	1.176	0.0	0.0	0.0	0
3.18	48.0	0.63	-0.42	0.0	0.0	76.19	1.313	0.0	0.0	0.0	0
3.20	41.0	0.26	-0.43	0.0	0.0	157.692	0.634	0.0	0.0	0.0	0
3.22	38.0	0.25	-0.46	0.0	0.0	152.0	0.658	0.0	0.0	0.0	0
3.24	30.0	0.3	-0.47	0.0	0.0	100.0	1.0	0.0	0.0	0.0	0
3.26	24.0	0.32	-0.49	0.0	0.0	75.0	1.333	0.0	0.0	0.0	0
3.28	21.0	0.45	-0.50	0.0	0.0	46.667	2.143	0.0	0.0	0.0	0
3.30	29.0	0.52	-0.47	0.0	0.0	55.769	1.793	0.0	0.0	0.0	0
3.32	41.0	0.62	-0.05	0.0	0.0	66.129	1.512	0.0	0.0	0.0	0
3.34	58.0	0.61	0.04	0.0	0.0	95.082	1.052	0.0	0.0	0.0	0
3.36	75.0	0.67	0.13	0.0	0.0	111.94	0.893	0.0	0.0	0.0	0
3.38	91.0	0.65	0.19	0.0	0.0	140.0	0.714	0.0	0.0	0.0	0
3.40	104.0	0.61	0.19	0.0	0.0	170.492	0.587	0.0	0.0	0.0	0
3.42	113.0	0.54	0.22	0.0	0.0	209.259	0.478	0.0	0.0	0.0	0
3.44	121.0	0.49	0.25	0.0	0.0	246.939	0.405	0.0	0.0	0.0	0
3.46	125.0	0.44	0.25	0.0	0.0	284.091	0.352	0.0	0.0	0.0	0
3.48	126.0	0.47	0.23	0.0	0.0	268.085	0.373	0.0	0.0	0.0	0
3.50	122.0	0.49	0.21	0.0	0.0	248.98	0.402	0.0	0.0	0.0	0
3.52	116.0	0.53	0.17	0.0	0.0	218.868	0.457	0.0	0.0	0.0	0
3.54	110.0	0.54	0.14	0.0	0.0	203.704	0.491	0.0	0.0	0.0	0
3.56	105.0	0.51	0.11	0.0	0.0	205.882	0.486	0.0	0.0	0.0	0
3.58	98.0	0.5	0.08	0.0	0.0	196.0	0.51	0.0	0.0	0.0	0
3.60	92.0	0.45	0.04	0.0	0.0	204.444	0.489	0.0	0.0	0.0	0
3.62	82.0	0.41	0.00	0.0	0.0	200.0	0.5	0.0	0.0	0.0	0
3.64	72.0	0.4	-0.05	0.0	0.0	180.0	0.556	0.0	0.0	0.0	0
3.66	61.0	0.33	-0.11	0.0	0.0	184.848	0.541	0.0	0.0	0.0	0
3.68	52.0	0.24	-0.15	0.0	0.0	216.667	0.462	0.0	0.0	0.0	0

3.70	49.0	0.18	-0.16	0.0	0.0	272.222	0.367	0.0	0.0	0.0	0
3.72	50.0	0.18	-0.15	0.0	0.0	277.778	0.36	0.0	0.0	0.0	0
3.74	50.0	0.18	-0.16	0.0	0.0	277.778	0.36	0.0	0.0	0.0	0
3.76	46.0	0.19	-0.17	0.0	0.0	242.105	0.413	0.0	0.0	0.0	0
3.78	42.0	0.19	-0.21	0.0	0.0	221.053	0.452	0.0	0.0	0.0	0
3.80	39.0	0.19	-0.24	0.0	0.0	205.263	0.487	0.0	0.0	0.0	0
3.82	36.0	0.17	-0.24	0.0	0.0	211.765	0.472	0.0	0.0	0.0	0
3.84	34.0	0.13	-0.26	0.0	0.0	261.538	0.382	0.0	0.0	0.0	0
3.86	31.0	0.09	-0.26	0.0	0.0	344.444	0.29	0.0	0.0	0.0	0
3.88	29.0	0.08	-0.27	0.0	0.0	362.5	0.276	0.0	0.0	0.0	0
3.90	27.0	0.08	-0.27	0.0	0.0	337.5	0.296	0.0	0.0	0.0	0
3.92	25.0	0.08	-0.30	0.0	0.0	312.5	0.32	0.0	0.0	0.0	0
3.94	21.0	0.09	-0.31	0.0	0.0	233.333	0.429	0.0	0.0	0.0	0
3.96	18.0	0.07	-0.32	0.0	0.0	257.143	0.389	0.0	0.0	0.0	0
3.98	15.0	0.06	-0.34	0.0	0.0	250.0	0.4	0.0	0.0	0.0	0
4.00	13.0	0.06	-0.36	0.0	0.0	216.667	0.462	0.0	0.0	0.0	0
4.02	11.0	0.07	-0.36	0.0	0.0	157.143	0.636	0.0	0.0	0.0	0
4.04	9.0	0.07	-0.38	0.0	0.0	128.571	0.778	0.0	0.0	0.0	0
4.06	8.0	0.07	-0.39	0.0	0.0	114.286	0.875	0.0	0.0	0.0	0
4.08	7.0	0.06	-0.40	0.0	0.0	116.667	0.857	0.0	0.0	0.0	0
4.10	6.0	0.06	-0.40	0.0	0.0	100.0	1.0	0.0	0.0	0.0	0
4.12	5.0	0.06	-0.40	0.0	0.0	83.333	1.2	0.0	0.0	0.0	0
4.14	5.0	0.05	-0.42	0.0	0.0	100.0	1.0	0.0	0.0	0.0	0
4.16	5.0	0.05	-0.42	0.0	0.0	100.0	1.0	0.0	0.0	0.0	0
4.18	5.0	0.09	-0.42	0.0	0.0	55.556	1.8	0.0	0.0	0.0	0
4.20	6.0	0.09	-0.43	0.0	0.0	66.667	1.5	0.0	0.0	0.0	0
4.22	6.0	0.07	-0.43	0.0	0.0	85.714	1.167	0.0	0.0	0.0	0
4.24	7.0	0.07	-0.43	0.0	0.0	100.0	1.0	0.0	0.0	0.0	0
4.26	6.0	0.06	-0.43	0.0	0.0	100.0	1.0	0.0	0.0	0.0	0
4.28	6.0	0.05	-0.43	0.0	0.0	120.0	0.833	0.0	0.0	0.0	0
4.30	6.0	0.05	-0.43	0.0	0.0	120.0	0.833	0.0	0.0	0.0	0
4.32	5.0	0.06	-0.42	0.0	0.0	83.333	1.2	0.0	0.0	0.0	0
4.34	4.0	0.08	-0.42	0.0	0.0	50.0	2.0	0.0	0.0	0.0	0
4.36	4.0	0.12	-0.42	0.0	0.0	33.333	3.0	0.0	0.0	0.0	0
4.38	7.0	0.14	-0.32	0.0	0.0	50.0	2.0	0.0	0.0	0.0	0
4.40	12.0	0.14	-0.34	0.0	0.0	85.714	1.167	0.0	0.0	0.0	0
4.42	16.0	0.16	-0.38	0.0	0.0	100.0	1.0	0.0	0.0	0.0	0
4.44	17.0	0.16	-0.36	0.0	0.0	106.25	0.941	0.0	0.0	0.0	0
4.46	19.0	0.13	-0.36	0.0	0.0	146.154	0.684	0.0	0.0	0.0	0
4.48	19.0	0.11	-0.36	0.0	0.0	172.727	0.579	0.0	0.0	0.0	0
4.50	19.0	0.08	-0.36	0.0	0.0	237.5	0.421	0.0	0.0	0.0	0
4.52	18.0	0.06	-0.38	0.0	0.0	300.0	0.333	0.0	0.0	0.0	0
4.54	17.0	0.05	-0.38	0.0	0.0	340.0	0.294	0.0	0.0	0.0	0
4.56	16.0	0.05	-0.38	0.0	0.0	320.0	0.313	0.0	0.0	0.0	0
4.58	15.0	0.05	-0.38	0.0	0.0	300.0	0.333	0.0	0.0	0.0	0
4.60	14.0	0.05	-0.38	0.0	0.0	280.0	0.357	0.0	0.0	0.0	0
4.62	14.0	0.06	-0.38	0.0	0.0	233.333	0.429	0.0	0.0	0.0	0
4.64	13.0	0.07	-0.39	0.0	0.0	185.714	0.538	0.0	0.0	0.0	0
4.66	12.0	0.07	-0.39	0.0	0.0	171.429	0.583	0.0	0.0	0.0	0
4.68	12.0	0.08	-0.42	0.0	0.0	150.0	0.667	0.0	0.0	0.0	0
4.70	11.0	0.07	-0.42	0.0	0.0	157.143	0.636	0.0	0.0	0.0	0
4.72	10.0	0.05	-0.42	0.0	0.0	200.0	0.5	0.0	0.0	0.0	0
4.74	9.0	0.04	-0.42	0.0	0.0	225.0	0.444	0.0	0.0	0.0	0
4.76	8.0	0.04	-0.42	0.0	0.0	200.0	0.5	0.0	0.0	0.0	0
4.78	8.0	0.05	-0.42	0.0	0.0	160.0	0.625	0.0	0.0	0.0	0
4.80	8.0	0.06	-0.42	0.0	0.0	133.333	0.75	0.0	0.0	0.0	0
4.82	7.0	0.07	-0.40	0.0	0.0	100.0	1.0	0.0	0.0	0.0	0
4.84	7.0	0.09	-0.40	0.0	0.0	77.778	1.286	0.0	0.0	0.0	0
4.86	8.0	0.13	-0.40	0.0	0.0	61.538	1.625	0.0	0.0	0.0	0
4.88	9.0	0.16	-0.40	0.0	0.0	56.25	1.778	0.0	0.0	0.0	0
4.90	10.0	0.16	-0.42	0.0	0.0	62.5	1.6	0.0	0.0	0.0	0
4.92	10.0	0.17	-0.45	0.0	0.0	58.824	1.7	0.0	0.0	0.0	0
4.94	9.0	0.15	-0.45	0.0	0.0	60.0	1.667	0.0	0.0	0.0	0
4.96	9.0	0.14	-0.45	0.0	0.0	64.286	1.556	0.0	0.0	0.0	0
4.98	8.0	0.12	-0.46	0.0	0.0	66.667	1.5	0.0	0.0	0.0	0
5.00	9.0	0.1	-0.46	0.0	0.0	90.0	1.111	0.0	0.0	0.0	0
5.02	9.0	0.1	-0.46	0.0	0.0	90.0	1.111	0.0	0.0	0.0	0
5.04	10.0	0.13	-0.51	0.0	0.0	76.923	1.3	0.0	0.0	0.0	0
5.06	10.0	0.17	-0.54	0.0	0.0	58.824	1.7	0.0	0.0	0.0	0
5.08	11.0	0.19	-0.54	0.0	0.0	57.895	1.727	0.0	0.0	0.0	0

5.10	12.0	0.2	-0.55	0.0	0.0	60.0	1.667	0.0	0.0	0.0	0
5.12	13.0	0.2	-0.55	0.0	0.0	65.0	1.538	0.0	0.0	0.0	0
5.14	14.0	0.19	-0.55	0.0	0.0	73.684	1.357	0.0	0.0	0.0	0
5.16	14.0	0.11	-0.19	0.0	0.0	127.273	0.786	0.0	0.0	0.0	0
5.18	15.0	0.11	-0.20	0.0	0.0	136.364	0.733	0.0	0.0	0.0	0
5.20	16.0	0.12	-0.31	0.0	0.0	133.333	0.75	0.0	0.0	0.0	0
5.22	15.0	0.19	-0.57	0.0	0.0	78.947	1.267	0.0	0.0	0.0	0
5.24	14.0	0.19	-0.57	0.0	0.0	73.684	1.357	0.0	0.0	0.0	0
5.26	13.0	0.19	-0.58	0.0	0.0	68.421	1.462	0.0	0.0	0.0	0
5.28	14.0	0.2	-0.58	0.0	0.0	70.0	1.429	0.0	0.0	0.0	0
5.30	13.0	0.2	-0.58	0.0	0.0	65.0	1.538	0.0	0.0	0.0	0
5.32	13.0	0.23	-0.58	0.0	0.0	56.522	1.769	0.0	0.0	0.0	0
5.34	13.0	0.24	-0.59	0.0	0.0	54.167	1.846	0.0	0.0	0.0	0
5.36	13.0	0.25	-0.59	0.0	0.0	52.0	1.923	0.0	0.0	0.0	0
5.38	13.0	0.26	-0.59	0.0	0.0	50.0	2.0	0.0	0.0	0.0	0
5.40	13.0	0.24	-0.59	0.0	0.0	54.167	1.846	0.0	0.0	0.0	0
5.42	12.0	0.21	-0.61	0.0	0.0	57.143	1.75	0.0	0.0	0.0	0
5.44	12.0	0.17	-0.59	0.0	0.0	70.588	1.417	0.0	0.0	0.0	0
5.46	13.0	0.18	-0.59	0.0	0.0	72.222	1.385	0.0	0.0	0.0	0
5.48	14.0	0.18	-0.59	0.0	0.0	77.778	1.286	0.0	0.0	0.0	0
5.50	14.0	0.18	-0.59	0.0	0.0	77.778	1.286	0.0	0.0	0.0	0
5.52	14.0	0.16	-0.59	0.0	0.0	87.5	1.143	0.0	0.0	0.0	0
5.54	14.0	0.14	-0.58	0.0	0.0	100.0	1.0	0.0	0.0	0.0	0
5.56	14.0	0.13	-0.59	0.0	0.0	107.692	0.929	0.0	0.0	0.0	0
5.58	14.0	0.14	-0.59	0.0	0.0	100.0	1.0	0.0	0.0	0.0	0
5.60	14.0	0.18	-0.59	0.0	0.0	77.778	1.286	0.0	0.0	0.0	0
5.62	16.0	0.24	-0.59	0.0	0.0	66.667	1.5	0.0	0.0	0.0	0
5.64	18.0	0.31	-0.59	0.0	0.0	58.065	1.722	0.0	0.0	0.0	0
5.66	19.0	0.3	-0.59	0.0	0.0	63.333	1.579	0.0	0.0	0.0	0
5.68	20.0	0.29	-0.59	0.0	0.0	68.966	1.45	0.0	0.0	0.0	0
5.70	20.0	0.23	-0.58	0.0	0.0	86.957	1.15	0.0	0.0	0.0	0
5.72	21.0	0.17	-0.57	0.0	0.0	123.529	0.81	0.0	0.0	0.0	0
5.74	23.0	0.13	-0.57	0.0	0.0	176.923	0.565	0.0	0.0	0.0	0
5.76	27.0	0.1	-0.54	0.0	0.0	270.0	0.37	0.0	0.0	0.0	0
5.78	29.0	0.09	-0.54	0.0	0.0	322.222	0.31	0.0	0.0	0.0	0
5.80	31.0	0.08	-0.53	0.0	0.0	387.5	0.258	0.0	0.0	0.0	0
5.82	33.0	0.08	-0.53	0.0	0.0	412.5	0.242	0.0	0.0	0.0	0
5.84	37.0	0.07	-0.50	0.0	0.0	528.571	0.189	0.0	0.0	0.0	0
5.86	39.0	0.07	-0.50	0.0	0.0	557.143	0.179	0.0	0.0	0.0	0
5.88	39.0	0.06	-0.49	0.0	0.0	650.0	0.154	0.0	0.0	0.0	0
5.90	37.0	0.06	-0.49	0.0	0.0	616.667	0.162	0.0	0.0	0.0	0
5.92	35.0	0.07	-0.49	0.0	0.0	500.0	0.2	0.0	0.0	0.0	0
5.94	34.0	0.08	-0.49	0.0	0.0	425.0	0.235	0.0	0.0	0.0	0
5.96	34.0	0.09	-0.49	0.0	0.0	377.778	0.265	0.0	0.0	0.0	0
5.98	35.0	0.1	-0.47	0.0	0.0	350.0	0.286	0.0	0.0	0.0	0
6.00	33.0	0.1	-0.49	0.0	0.0	330.0	0.303	0.0	0.0	0.0	0
6.02	31.0	0.09	-0.49	0.0	0.0	344.444	0.29	0.0	0.0	0.0	0
6.04	29.0	0.09	-0.49	0.0	0.0	322.222	0.31	0.0	0.0	0.0	0
6.06	26.0	0.09	-0.49	0.0	0.0	288.889	0.346	0.0	0.0	0.0	0
6.08	27.0	0.12	-0.47	0.0	0.0	225.0	0.444	0.0	0.0	0.0	0
6.10	29.0	0.15	-0.47	0.0	0.0	193.333	0.517	0.0	0.0	0.0	0
6.12	31.0	0.2	-0.49	0.0	0.0	155.0	0.645	0.0	0.0	0.0	0
6.14	30.0	0.14	-0.20	0.0	0.0	214.286	0.467	0.0	0.0	0.0	0
6.16	30.0	0.12	-0.20	0.0	0.0	250.0	0.4	0.0	0.0	0.0	0
6.18	29.0	0.1	-0.20	0.0	0.0	290.0	0.345	0.0	0.0	0.0	0
6.20	28.0	0.08	-0.20	0.0	0.0	350.0	0.286	0.0	0.0	0.0	0
6.22	27.0	0.07	-0.20	0.0	0.0	385.714	0.259	0.0	0.0	0.0	0
6.24	26.0	0.07	-0.20	0.0	0.0	371.429	0.269	0.0	0.0	0.0	0
6.26	25.0	0.07	-0.20	0.0	0.0	357.143	0.28	0.0	0.0	0.0	0
6.28	24.0	0.08	-0.20	0.0	0.0	300.0	0.333	0.0	0.0	0.0	0
6.30	23.0	0.08	-0.20	0.0	0.0	287.5	0.348	0.0	0.0	0.0	0
6.32	22.0	0.08	-0.21	0.0	0.0	275.0	0.364	0.0	0.0	0.0	0
6.34	21.0	0.08	-0.21	0.0	0.0	262.5	0.381	0.0	0.0	0.0	0
6.36	21.0	0.08	-0.21	0.0	0.0	262.5	0.381	0.0	0.0	0.0	0
6.38	20.0	0.08	-0.21	0.0	0.0	250.0	0.4	0.0	0.0	0.0	0
6.40	19.0	0.08	-0.21	0.0	0.0	237.5	0.421	0.0	0.0	0.0	0
6.42	18.0	0.09	-0.21	0.0	0.0	200.0	0.5	0.0	0.0	0.0	0
6.44	18.0	0.1	-0.23	0.0	0.0	180.0	0.556	0.0	0.0	0.0	0
6.46	18.0	0.12	-0.20	0.0	0.0	150.0	0.667	0.0	0.0	0.0	0
6.48	19.0	0.18	-0.21	0.0	0.0	105.556	0.947	0.0	0.0	0.0	0

6.50	18.0	0.28	-0.50	0.0	0.0	64.286	1.556	0.0	0.0	0.0	0
6.52	16.0	0.38	-0.57	0.0	0.0	42.105	2.375	0.0	0.0	0.0	0
6.54	14.0	0.47	-0.58	0.0	0.0	29.787	3.357	0.0	0.0	0.0	0
6.56	14.0	0.55	-0.58	0.0	0.0	25.455	3.929	0.0	0.0	0.0	0
6.58	15.0	0.58	-0.59	0.0	0.0	25.862	3.867	0.0	0.0	0.0	0
6.60	15.0	0.61	-0.59	0.0	0.0	24.59	4.067	0.0	0.0	0.0	0
6.62	16.0	0.61	-0.59	0.0	0.0	26.23	3.813	0.0	0.0	0.0	0
6.64	19.0	0.64	-0.59	0.0	0.0	29.688	3.368	0.0	0.0	0.0	0
6.66	24.0	0.61	-0.59	0.0	0.0	39.344	2.542	0.0	0.0	0.0	0
6.68	29.0	0.5	-0.58	0.0	0.0	58.0	1.724	0.0	0.0	0.0	0
6.70	32.0	0.39	-0.57	0.0	0.0	82.051	1.219	0.0	0.0	0.0	0
6.72	33.0	0.27	-0.55	0.0	0.0	122.222	0.818	0.0	0.0	0.0	0
6.74	35.0	0.21	-0.54	0.0	0.0	166.667	0.6	0.0	0.0	0.0	0
6.76	37.0	0.18	-0.53	0.0	0.0	205.556	0.486	0.0	0.0	0.0	0
6.78	40.0	0.13	-0.50	0.0	0.0	307.692	0.325	0.0	0.0	0.0	0
6.80	43.0	0.12	-0.49	0.0	0.0	358.333	0.279	0.0	0.0	0.0	0
6.82	45.0	0.13	-0.47	0.0	0.0	346.154	0.289	0.0	0.0	0.0	0
6.84	44.0	0.13	-0.47	0.0	0.0	338.462	0.295	0.0	0.0	0.0	0
6.86	41.0	0.12	-0.46	0.0	0.0	341.667	0.293	0.0	0.0	0.0	0
6.88	37.0	0.11	-0.47	0.0	0.0	336.364	0.297	0.0	0.0	0.0	0
6.90	34.0	0.11	-0.47	0.0	0.0	309.091	0.324	0.0	0.0	0.0	0
6.92	31.0	0.11	-0.47	0.0	0.0	281.818	0.355	0.0	0.0	0.0	0
6.94	30.0	0.1	-0.46	0.0	0.0	300.0	0.333	0.0	0.0	0.0	0
6.96	29.0	0.1	-0.46	0.0	0.0	290.0	0.345	0.0	0.0	0.0	0
6.98	28.0	0.1	-0.46	0.0	0.0	280.0	0.357	0.0	0.0	0.0	0
7.00	27.0	0.1	-0.45	0.0	0.0	270.0	0.37	0.0	0.0	0.0	0
7.02	27.0	0.1	-0.43	0.0	0.0	270.0	0.37	0.0	0.0	0.0	0
7.04	26.0	0.09	-0.40	0.0	0.0	288.889	0.346	0.0	0.0	0.0	0
7.06	25.0	0.09	-0.39	0.0	0.0	277.778	0.36	0.0	0.0	0.0	0
7.08	25.0	0.09	-0.38	0.0	0.0	277.778	0.36	0.0	0.0	0.0	0
7.10	25.0	0.09	-0.36	0.0	0.0	277.778	0.36	0.0	0.0	0.0	0
7.12	27.0	0.09	0.25	0.0	0.0	300.0	0.333	0.0	0.0	0.0	0
7.14	29.0	0.09	0.27	0.0	0.0	322.222	0.31	0.0	0.0	0.0	0
7.16	33.0	0.1	0.29	0.0	0.0	330.0	0.303	0.0	0.0	0.0	0
7.18	33.0	0.1	0.27	0.0	0.0	330.0	0.303	0.0	0.0	0.0	0
7.20	30.0	0.09	0.03	0.0	0.0	333.333	0.3	0.0	0.0	0.0	0
7.22	25.0	0.08	-0.12	0.0	0.0	312.5	0.32	0.0	0.0	0.0	0
7.24	21.0	0.08	-0.11	0.0	0.0	262.5	0.381	0.0	0.0	0.0	0
7.26	20.0	0.09	-0.11	0.0	0.0	222.222	0.45	0.0	0.0	0.0	0
7.28	21.0	0.14	-0.08	0.0	0.0	150.0	0.667	0.0	0.0	0.0	0
7.30	22.0	0.21	-0.07	0.0	0.0	104.762	0.955	0.0	0.0	0.0	0
7.32	27.0	0.27	-0.50	0.0	0.0	100.0	1.0	0.0	0.0	0.0	0
7.34	33.0	0.29	-0.42	0.0	0.0	113.793	0.879	0.0	0.0	0.0	0
7.36	36.0	0.24	-0.38	0.0	0.0	150.0	0.667	0.0	0.0	0.0	0
7.38	36.0	0.22	-0.36	0.0	0.0	163.636	0.611	0.0	0.0	0.0	0
7.40	35.0	0.2	-0.35	0.0	0.0	175.0	0.571	0.0	0.0	0.0	0
7.42	34.0	0.17	-0.31	0.0	0.0	200.0	0.5	0.0	0.0	0.0	0
7.44	34.0	0.14	-0.30	0.0	0.0	242.857	0.412	0.0	0.0	0.0	0
7.46	34.0	0.12	-0.28	0.0	0.0	283.333	0.353	0.0	0.0	0.0	0
7.48	34.0	0.1	-0.28	0.0	0.0	340.0	0.294	0.0	0.0	0.0	0
7.50	34.0	0.11	-0.27	0.0	0.0	309.091	0.324	0.0	0.0	0.0	0
7.52	36.0	0.13	-0.26	0.0	0.0	276.923	0.361	0.0	0.0	0.0	0
7.54	39.0	0.14	-0.24	0.0	0.0	278.571	0.359	0.0	0.0	0.0	0
7.56	42.0	0.13	-0.21	0.0	0.0	323.077	0.31	0.0	0.0	0.0	0
7.58	46.0	0.13	-0.20	0.0	0.0	353.846	0.283	0.0	0.0	0.0	0
7.60	50.0	0.13	-0.17	0.0	0.0	384.615	0.26	0.0	0.0	0.0	0
7.62	53.0	0.13	-0.15	0.0	0.0	407.692	0.245	0.0	0.0	0.0	0
7.64	54.0	0.13	-0.13	0.0	0.0	415.385	0.241	0.0	0.0	0.0	0
7.66	51.0	0.13	-0.13	0.0	0.0	392.308	0.255	0.0	0.0	0.0	0
7.68	47.0	0.13	-0.15	0.0	0.0	361.538	0.277	0.0	0.0	0.0	0
7.70	44.0	0.12	-0.15	0.0	0.0	366.667	0.273	0.0	0.0	0.0	0
7.72	41.0	0.12	-0.15	0.0	0.0	341.667	0.293	0.0	0.0	0.0	0
7.74	39.0	0.12	-0.15	0.0	0.0	325.0	0.308	0.0	0.0	0.0	0
7.76	38.0	0.11	-0.15	0.0	0.0	345.455	0.289	0.0	0.0	0.0	0
7.78	36.0	0.11	-0.16	0.0	0.0	327.273	0.306	0.0	0.0	0.0	0
7.80	33.0	0.1	-0.16	0.0	0.0	330.0	0.303	0.0	0.0	0.0	0
7.82	30.0	0.1	-0.16	0.0	0.0	300.0	0.333	0.0	0.0	0.0	0
7.84	25.0	0.1	-0.19	0.0	0.0	250.0	0.4	0.0	0.0	0.0	0
7.86	22.0	0.1	-0.19	0.0	0.0	220.0	0.455	0.0	0.0	0.0	0
7.88	21.0	0.1	-0.19	0.0	0.0	210.0	0.476	0.0	0.0	0.0	0

7.90	21.0	0.11	-0.17	0.0	0.0	190.909	0.524	0.0	0.0	0.0	0
7.92	21.0	0.14	-0.17	0.0	0.0	150.0	0.667	0.0	0.0	0.0	0
7.94	21.0	0.15	-0.17	0.0	0.0	140.0	0.714	0.0	0.0	0.0	0
7.96	18.0	0.18	-0.21	0.0	0.0	100.0	1.0	0.0	0.0	0.0	0
7.98	14.0	0.27	-0.30	0.0	0.0	51.852	1.929	0.0	0.0	0.0	0
8.00	10.0	0.37	-0.34	0.0	0.0	27.027	3.7	0.0	0.0	0.0	0
8.02	9.0	0.33	0.83	0.0	0.0	27.273	3.667	0.0	0.0	0.0	0
8.04	8.0	0.34	0.99	0.0	0.0	23.529	4.25	0.0	0.0	0.0	0
8.06	7.0	0.34	1.12	0.0	0.0	20.588	4.857	0.0	0.0	0.0	0
8.08	7.0	0.34	1.10	0.0	0.0	20.588	4.857	0.0	0.0	0.0	0
8.10	7.0	0.35	1.82	0.0	0.0	20.0	5.0	0.0	0.0	0.0	0
8.12	7.0	0.33	1.85	0.0	0.0	21.212	4.714	0.0	0.0	0.0	0
8.14	7.0	0.28	1.97	0.0	0.0	25.0	4.0	0.0	0.0	0.0	0
8.16	7.0	0.23	1.96	0.0	0.0	30.435	3.286	0.0	0.0	0.0	0
8.18	6.0	0.21	1.94	0.0	0.0	28.571	3.5	0.0	0.0	0.0	0
8.20	6.0	0.19	1.93	0.0	0.0	31.579	3.167	0.0	0.0	0.0	0
8.22	6.0	0.16	1.92	0.0	0.0	37.5	2.667	0.0	0.0	0.0	0
8.24	7.0	0.14	2.02	0.0	0.0	50.0	2.0	0.0	0.0	0.0	0
8.26	7.0	0.11	2.11	0.0	0.0	63.636	1.571	0.0	0.0	0.0	0
8.28	8.0	0.12	2.11	0.0	0.0	66.667	1.5	0.0	0.0	0.0	0
8.30	8.0	0.13	2.09	0.0	0.0	61.538	1.625	0.0	0.0	0.0	0
8.32	8.0	0.15	1.86	0.0	0.0	53.333	1.875	0.0	0.0	0.0	0
8.34	7.0	0.15	1.85	0.0	0.0	46.667	2.143	0.0	0.0	0.0	0
8.36	7.0	0.14	1.96	0.0	0.0	50.0	2.0	0.0	0.0	0.0	0
8.38	7.0	0.15	2.01	0.0	0.0	46.667	2.143	0.0	0.0	0.0	0
8.40	7.0	0.17	2.00	0.0	0.0	41.176	2.429	0.0	0.0	0.0	0
8.42	7.0	0.18	1.96	0.0	0.0	38.889	2.571	0.0	0.0	0.0	0
8.44	7.0	0.19	1.94	0.0	0.0	36.842	2.714	0.0	0.0	0.0	0
8.46	7.0	0.17	1.97	0.0	0.0	41.176	2.429	0.0	0.0	0.0	0
8.48	6.0	0.15	2.00	0.0	0.0	40.0	2.5	0.0	0.0	0.0	0
8.50	7.0	0.14	1.98	0.0	0.0	50.0	2.0	0.0	0.0	0.0	0
8.52	7.0	0.15	1.98	0.0	0.0	46.667	2.143	0.0	0.0	0.0	0
8.54	7.0	0.15	2.00	0.0	0.0	46.667	2.143	0.0	0.0	0.0	0
8.56	7.0	0.15	1.98	0.0	0.0	46.667	2.143	0.0	0.0	0.0	0
8.58	7.0	0.15	1.98	0.0	0.0	46.667	2.143	0.0	0.0	0.0	0
8.60	7.0	0.15	1.98	0.0	0.0	46.667	2.143	0.0	0.0	0.0	0
8.62	7.0	0.15	1.96	0.0	0.0	46.667	2.143	0.0	0.0	0.0	0
8.64	7.0	0.15	1.97	0.0	0.0	46.667	2.143	0.0	0.0	0.0	0
8.66	7.0	0.15	2.04	0.0	0.0	46.667	2.143	0.0	0.0	0.0	0
8.68	8.0	0.16	2.08	0.0	0.0	50.0	2.0	0.0	0.0	0.0	0
8.70	8.0	0.16	2.00	0.0	0.0	50.0	2.0	0.0	0.0	0.0	0
8.72	7.0	0.17	1.92	0.0	0.0	41.176	2.429	0.0	0.0	0.0	0
8.74	7.0	0.14	1.89	0.0	0.0	50.0	2.0	0.0	0.0	0.0	0
8.76	7.0	0.13	1.92	0.0	0.0	53.846	1.857	0.0	0.0	0.0	0
8.78	8.0	0.12	1.98	0.0	0.0	66.667	1.5	0.0	0.0	0.0	0
8.80	9.0	0.13	2.09	0.0	0.0	69.231	1.444	0.0	0.0	0.0	0
8.82	10.0	0.14	2.20	0.0	0.0	71.429	1.4	0.0	0.0	0.0	0
8.84	10.0	0.16	1.78	0.0	0.0	62.5	1.6	0.0	0.0	0.0	0
8.86	9.0	0.19	1.64	0.0	0.0	47.368	2.111	0.0	0.0	0.0	0
8.88	8.0	0.18	1.62	0.0	0.0	44.444	2.25	0.0	0.0	0.0	0
8.90	8.0	0.17	1.71	0.0	0.0	47.059	2.125	0.0	0.0	0.0	0
8.92	8.0	0.17	1.77	0.0	0.0	47.059	2.125	0.0	0.0	0.0	0
8.94	8.0	0.2	1.70	0.0	0.0	40.0	2.5	0.0	0.0	0.0	0
8.96	7.0	0.22	1.70	0.0	0.0	31.818	3.143	0.0	0.0	0.0	0
8.98	7.0	0.2	1.75	0.0	0.0	35.0	2.857	0.0	0.0	0.0	0
9.00	8.0	0.2	1.78	0.0	0.0	40.0	2.5	0.0	0.0	0.0	0
9.02	8.0	0.19	1.82	0.0	0.0	42.105	2.375	0.0	0.0	0.0	0
9.04	8.0	0.17	1.85	0.0	0.0	47.059	2.125	0.0	0.0	0.0	0
9.06	10.0	0.31	0.42	0.0	0.0	32.258	3.1	0.0	0.0	0.0	0
9.08	9.0	0.29	0.49	0.0	0.0	31.034	3.222	0.0	0.0	0.0	0
9.10	7.0	0.26	0.74	0.0	0.0	26.923	3.714	0.0	0.0	0.0	0
9.12	7.0	0.22	0.98	0.0	0.0	31.818	3.143	0.0	0.0	0.0	0
9.14	7.0	0.21	1.05	0.0	0.0	33.333	3.0	0.0	0.0	0.0	0
9.16	7.0	0.19	1.09	0.0	0.0	36.842	2.714	0.0	0.0	0.0	0
9.18	7.0	0.2	1.09	0.0	0.0	35.0	2.857	0.0	0.0	0.0	0
9.20	7.0	0.18	1.13	0.0	0.0	38.889	2.571	0.0	0.0	0.0	0
9.22	7.0	0.17	1.17	0.0	0.0	41.176	2.429	0.0	0.0	0.0	0
9.24	6.0	0.15	1.21	0.0	0.0	40.0	2.5	0.0	0.0	0.0	0
9.26	7.0	0.15	1.25	0.0	0.0	46.667	2.143	0.0	0.0	0.0	0
9.28	7.0	0.15	1.28	0.0	0.0	46.667	2.143	0.0	0.0	0.0	0

9.30	7.0	0.16	1.33	0.0	0.0	43.75	2.286	0.0	0.0	0.0	0
9.32	7.0	0.15	1.37	0.0	0.0	46.667	2.143	0.0	0.0	0.0	0
9.34	7.0	0.14	1.40	0.0	0.0	50.0	2.0	0.0	0.0	0.0	0
9.36	7.0	0.13	1.40	0.0	0.0	53.846	1.857	0.0	0.0	0.0	0
9.38	7.0	0.13	1.43	0.0	0.0	53.846	1.857	0.0	0.0	0.0	0
9.40	7.0	0.12	1.51	0.0	0.0	58.333	1.714	0.0	0.0	0.0	0
9.42	7.0	0.13	1.54	0.0	0.0	53.846	1.857	0.0	0.0	0.0	0
9.44	7.0	0.16	1.54	0.0	0.0	43.75	2.286	0.0	0.0	0.0	0
9.46	7.0	0.19	1.51	0.0	0.0	36.842	2.714	0.0	0.0	0.0	0
9.48	6.0	0.2	1.48	0.0	0.0	30.0	3.333	0.0	0.0	0.0	0
9.50	6.0	0.17	1.54	0.0	0.0	35.294	2.833	0.0	0.0	0.0	0
9.52	6.0	0.14	1.59	0.0	0.0	42.857	2.333	0.0	0.0	0.0	0
9.54	7.0	0.14	1.62	0.0	0.0	50.0	2.0	0.0	0.0	0.0	0
9.56	7.0	0.15	1.63	0.0	0.0	46.667	2.143	0.0	0.0	0.0	0
9.58	7.0	0.14	1.64	0.0	0.0	50.0	2.0	0.0	0.0	0.0	0
9.60	7.0	0.14	1.66	0.0	0.0	50.0	2.0	0.0	0.0	0.0	0
9.62	6.0	0.14	1.69	0.0	0.0	42.857	2.333	0.0	0.0	0.0	0
9.64	6.0	0.14	1.67	0.0	0.0	42.857	2.333	0.0	0.0	0.0	0
9.66	6.0	0.14	1.70	0.0	0.0	42.857	2.333	0.0	0.0	0.0	0
9.68	6.0	0.14	1.74	0.0	0.0	42.857	2.333	0.0	0.0	0.0	0
9.70	6.0	0.13	1.77	0.0	0.0	46.154	2.167	0.0	0.0	0.0	0
9.72	7.0	0.13	1.81	0.0	0.0	53.846	1.857	0.0	0.0	0.0	0
9.74	7.0	0.13	1.85	0.0	0.0	53.846	1.857	0.0	0.0	0.0	0
9.76	7.0	0.13	1.88	0.0	0.0	53.846	1.857	0.0	0.0	0.0	0
9.78	7.0	0.14	1.90	0.0	0.0	50.0	2.0	0.0	0.0	0.0	0
9.80	7.0	0.15	1.90	0.0	0.0	46.667	2.143	0.0	0.0	0.0	0
9.82	7.0	0.16	1.90	0.0	0.0	43.75	2.286	0.0	0.0	0.0	0
9.84	7.0	0.18	1.89	0.0	0.0	38.889	2.571	0.0	0.0	0.0	0
9.86	7.0	0.2	1.90	0.0	0.0	35.0	2.857	0.0	0.0	0.0	0
9.88	7.0	0.22	1.88	0.0	0.0	31.818	3.143	0.0	0.0	0.0	0
9.90	7.0	0.24	1.83	0.0	0.0	29.167	3.429	0.0	0.0	0.0	0
9.92	7.0	0.26	1.81	0.0	0.0	26.923	3.714	0.0	0.0	0.0	0
9.94	7.0	0.27	1.79	0.0	0.0	25.926	3.857	0.0	0.0	0.0	0
9.96	7.0	0.25	1.79	0.0	0.0	28.0	3.571	0.0	0.0	0.0	0
9.98	7.0	0.25	1.82	0.0	0.0	28.0	3.571	0.0	0.0	0.0	0
10.00	7.0	0.25	1.83	0.0	0.0	28.0	3.571	0.0	0.0	0.0	0
10.02	7.0	0.25	1.88	0.0	0.0	28.0	3.571	0.0	0.0	0.0	0
10.04	9.0	0.22	2.68	0.0	0.0	40.909	2.444	0.0	0.0	0.0	0
10.06	8.0	0.22	2.69	0.0	0.0	36.364	2.75	0.0	0.0	0.0	0
10.08	8.0	0.24	2.69	0.0	0.0	33.333	3.0	0.0	0.0	0.0	0
10.10	8.0	0.24	2.70	0.0	0.0	33.333	3.0	0.0	0.0	0.0	0
10.12	8.0	0.24	2.73	0.0	0.0	33.333	3.0	0.0	0.0	0.0	0
10.14	8.0	0.25	2.73	0.0	0.0	32.0	3.125	0.0	0.0	0.0	0
10.16	9.0	0.26	2.73	0.0	0.0	34.615	2.889	0.0	0.0	0.0	0
10.18	9.0	0.27	2.72	0.0	0.0	33.333	3.0	0.0	0.0	0.0	0
10.20	8.0	0.26	2.70	0.0	0.0	30.769	3.25	0.0	0.0	0.0	0
10.22	8.0	0.27	2.69	0.0	0.0	29.63	3.375	0.0	0.0	0.0	0
10.24	8.0	0.26	2.68	0.0	0.0	30.769	3.25	0.0	0.0	0.0	0
10.26	8.0	0.25	2.68	0.0	0.0	32.0	3.125	0.0	0.0	0.0	0
10.28	8.0	0.25	2.64	0.0	0.0	32.0	3.125	0.0	0.0	0.0	0
10.30	7.0	0.25	2.62	0.0	0.0	28.0	3.571	0.0	0.0	0.0	0
10.32	8.0	0.23	2.62	0.0	0.0	34.783	2.875	0.0	0.0	0.0	0
10.34	7.0	0.23	2.61	0.0	0.0	30.435	3.286	0.0	0.0	0.0	0
10.36	7.0	0.22	2.58	0.0	0.0	31.818	3.143	0.0	0.0	0.0	0
10.38	7.0	0.22	2.55	0.0	0.0	31.818	3.143	0.0	0.0	0.0	0
10.40	6.0	0.22	2.53	0.0	0.0	27.273	3.667	0.0	0.0	0.0	0
10.42	6.0	0.21	2.51	0.0	0.0	28.571	3.5	0.0	0.0	0.0	0
10.44	6.0	0.21	2.53	0.0	0.0	28.571	3.5	0.0	0.0	0.0	0
10.46	6.0	0.2	2.53	0.0	0.0	30.0	3.333	0.0	0.0	0.0	0
10.48	6.0	0.19	2.55	0.0	0.0	31.579	3.167	0.0	0.0	0.0	0
10.50	6.0	0.18	2.58	0.0	0.0	33.333	3.0	0.0	0.0	0.0	0
10.52	6.0	0.19	2.59	0.0	0.0	31.579	3.167	0.0	0.0	0.0	0
10.54	6.0	0.19	2.61	0.0	0.0	31.579	3.167	0.0	0.0	0.0	0
10.56	7.0	0.2	2.64	0.0	0.0	35.0	2.857	0.0	0.0	0.0	0
10.58	7.0	0.21	2.65	0.0	0.0	33.333	3.0	0.0	0.0	0.0	0
10.60	7.0	0.23	2.69	0.0	0.0	30.435	3.286	0.0	0.0	0.0	0
10.62	7.0	0.25	2.70	0.0	0.0	28.0	3.571	0.0	0.0	0.0	0
10.64	8.0	0.26	2.73	0.0	0.0	30.769	3.25	0.0	0.0	0.0	0
10.66	8.0	0.28	2.74	0.0	0.0	28.571	3.5	0.0	0.0	0.0	0
10.68	8.0	0.3	2.73	0.0	0.0	26.667	3.75	0.0	0.0	0.0	0

10.70	8.0	0.33	2.74	0.0	0.0	24.242	4.125	0.0	0.0	0.0	0
10.72	8.0	0.33	2.76	0.0	0.0	24.242	4.125	0.0	0.0	0.0	0
10.74	8.0	0.33	2.77	0.0	0.0	24.242	4.125	0.0	0.0	0.0	0
10.76	8.0	0.34	2.77	0.0	0.0	23.529	4.25	0.0	0.0	0.0	0
10.78	9.0	0.36	2.78	0.0	0.0	25.0	4.0	0.0	0.0	0.0	0
10.80	9.0	0.36	2.81	0.0	0.0	25.0	4.0	0.0	0.0	0.0	0
10.82	9.0	0.37	2.81	0.0	0.0	24.324	4.111	0.0	0.0	0.0	0
10.84	9.0	0.38	2.83	0.0	0.0	23.684	4.222	0.0	0.0	0.0	0
10.86	9.0	0.38	2.85	0.0	0.0	23.684	4.222	0.0	0.0	0.0	0
10.88	9.0	0.38	2.87	0.0	0.0	23.684	4.222	0.0	0.0	0.0	0
10.90	9.0	0.38	2.89	0.0	0.0	23.684	4.222	0.0	0.0	0.0	0
10.92	9.0	0.38	2.89	0.0	0.0	23.684	4.222	0.0	0.0	0.0	0
10.94	9.0	0.38	2.91	0.0	0.0	23.684	4.222	0.0	0.0	0.0	0
10.96	9.0	0.38	2.91	0.0	0.0	23.684	4.222	0.0	0.0	0.0	0
10.98	9.0	0.38	2.91	0.0	0.0	23.684	4.222	0.0	0.0	0.0	0
11.00	9.0	0.38	2.88	0.0	0.0	23.684	4.222	0.0	0.0	0.0	0
11.02	9.0	0.39	3.16	0.0	0.0	23.077	4.333	0.0	0.0	0.0	0
11.04	9.0	0.38	3.14	0.0	0.0	23.684	4.222	0.0	0.0	0.0	0
11.06	8.0	0.38	3.12	0.0	0.0	21.053	4.75	0.0	0.0	0.0	0
11.08	8.0	0.36	3.14	0.0	0.0	22.222	4.5	0.0	0.0	0.0	0
11.10	8.0	0.34	3.12	0.0	0.0	23.529	4.25	0.0	0.0	0.0	0
11.12	8.0	0.33	3.12	0.0	0.0	24.242	4.125	0.0	0.0	0.0	0
11.14	8.0	0.31	3.11	0.0	0.0	25.806	3.875	0.0	0.0	0.0	0
11.16	8.0	0.3	3.11	0.0	0.0	26.667	3.75	0.0	0.0	0.0	0
11.18	8.0	0.28	3.10	0.0	0.0	28.571	3.5	0.0	0.0	0.0	0
11.20	8.0	0.25	3.10	0.0	0.0	32.0	3.125	0.0	0.0	0.0	0
11.22	8.0	0.24	3.08	0.0	0.0	33.333	3.0	0.0	0.0	0.0	0
11.24	8.0	0.24	3.06	0.0	0.0	33.333	3.0	0.0	0.0	0.0	0
11.26	7.0	0.22	3.01	0.0	0.0	31.818	3.143	0.0	0.0	0.0	0
11.28	7.0	0.22	2.93	0.0	0.0	31.818	3.143	0.0	0.0	0.0	0
11.30	6.0	0.21	2.92	0.0	0.0	28.571	3.5	0.0	0.0	0.0	0
11.32	6.0	0.18	2.93	0.0	0.0	33.333	3.0	0.0	0.0	0.0	0
11.34	7.0	0.16	2.99	0.0	0.0	43.75	2.286	0.0	0.0	0.0	0
11.36	7.0	0.15	3.03	0.0	0.0	46.667	2.143	0.0	0.0	0.0	0
11.38	7.0	0.14	3.06	0.0	0.0	50.0	2.0	0.0	0.0	0.0	0
11.40	7.0	0.13	3.11	0.0	0.0	53.846	1.857	0.0	0.0	0.0	0
11.42	8.0	0.12	3.16	0.0	0.0	66.667	1.5	0.0	0.0	0.0	0
11.44	8.0	0.12	2.83	0.0	0.0	66.667	1.5	0.0	0.0	0.0	0
11.46	7.0	0.12	3.03	0.0	0.0	58.333	1.714	0.0	0.0	0.0	0
11.48	7.0	0.12	3.12	0.0	0.0	58.333	1.714	0.0	0.0	0.0	0
11.50	8.0	0.12	3.18	0.0	0.0	66.667	1.5	0.0	0.0	0.0	0
11.52	7.0	0.13	3.20	0.0	0.0	53.846	1.857	0.0	0.0	0.0	0
11.54	7.0	0.12	3.20	0.0	0.0	58.333	1.714	0.0	0.0	0.0	0
11.56	7.0	0.13	3.20	0.0	0.0	53.846	1.857	0.0	0.0	0.0	0
11.58	7.0	0.13	3.20	0.0	0.0	53.846	1.857	0.0	0.0	0.0	0
11.60	8.0	0.11	3.25	0.0	0.0	72.727	1.375	0.0	0.0	0.0	0
11.62	8.0	0.11	3.38	0.0	0.0	72.727	1.375	0.0	0.0	0.0	0
11.64	9.0	0.11	3.45	0.0	0.0	81.818	1.222	0.0	0.0	0.0	0
11.66	9.0	0.13	3.35	0.0	0.0	69.231	1.444	0.0	0.0	0.0	0
11.68	10.0	0.13	3.39	0.0	0.0	76.923	1.3	0.0	0.0	0.0	0
11.70	10.0	0.13	3.25	0.0	0.0	76.923	1.3	0.0	0.0	0.0	0
11.72	9.0	0.15	2.65	0.0	0.0	60.0	1.667	0.0	0.0	0.0	0
11.74	8.0	0.16	2.64	0.0	0.0	50.0	2.0	0.0	0.0	0.0	0
11.76	7.0	0.15	2.87	0.0	0.0	46.667	2.143	0.0	0.0	0.0	0
11.78	7.0	0.13	3.22	0.0	0.0	53.846	1.857	0.0	0.0	0.0	0
11.80	8.0	0.13	3.39	0.0	0.0	61.538	1.625	0.0	0.0	0.0	0
11.82	9.0	0.13	3.54	0.0	0.0	69.231	1.444	0.0	0.0	0.0	0
11.84	11.0	0.11	3.82	0.0	0.0	100.0	1.0	0.0	0.0	0.0	0
11.86	14.0	0.11	3.14	0.0	0.0	127.273	0.786	0.0	0.0	0.0	0
11.88	15.0	0.14	1.82	0.0	0.0	107.143	0.933	0.0	0.0	0.0	0
11.90	14.0	0.2	1.01	0.0	0.0	70.0	1.429	0.0	0.0	0.0	0
11.92	11.0	0.17	1.05	0.0	0.0	64.706	1.545	0.0	0.0	0.0	0
11.94	9.0	0.16	1.31	0.0	0.0	56.25	1.778	0.0	0.0	0.0	0
11.96	8.0	0.16	2.15	0.0	0.0	50.0	2.0	0.0	0.0	0.0	0
11.98	8.0	0.16	2.58	0.0	0.0	50.0	2.0	0.0	0.0	0.0	0
12.00	7.0	0.11	2.50	0.0	0.0	63.636	1.571	0.0	0.0	0.0	0
12.02	9.0	0.25	1.28	0.0	0.0	36.0	2.778	0.0	0.0	0.0	0
12.04	8.0	0.22	1.71	0.0	0.0	36.364	2.75	0.0	0.0	0.0	0
12.06	9.0	0.2	1.94	0.0	0.0	45.0	2.222	0.0	0.0	0.0	0
12.08	9.0	0.19	2.02	0.0	0.0	47.368	2.111	0.0	0.0	0.0	0

12.10	9.0	0.2	2.02	0.0	0.0	45.0	2.222	0.0	0.0	0.0	0
12.12	9.0	0.22	2.07	0.0	0.0	40.909	2.444	0.0	0.0	0.0	0
12.14	9.0	0.23	2.13	0.0	0.0	39.13	2.556	0.0	0.0	0.0	0
12.16	9.0	0.22	2.45	0.0	0.0	40.909	2.444	0.0	0.0	0.0	0
12.18	10.0	0.22	2.55	0.0	0.0	45.455	2.2	0.0	0.0	0.0	0
12.20	11.0	0.23	2.55	0.0	0.0	47.826	2.091	0.0	0.0	0.0	0
12.22	10.0	0.27	2.66	0.0	0.0	37.037	2.7	0.0	0.0	0.0	0
12.24	11.0	0.26	2.70	0.0	0.0	42.308	2.364	0.0	0.0	0.0	0
12.26	10.0	0.29	2.49	0.0	0.0	34.483	2.9	0.0	0.0	0.0	0
12.28	10.0	0.32	2.40	0.0	0.0	31.25	3.2	0.0	0.0	0.0	0
12.30	9.0	0.35	2.36	0.0	0.0	25.714	3.889	0.0	0.0	0.0	0
12.32	9.0	0.35	2.39	0.0	0.0	25.714	3.889	0.0	0.0	0.0	0
12.34	9.0	0.35	2.46	0.0	0.0	25.714	3.889	0.0	0.0	0.0	0
12.36	9.0	0.32	2.43	0.0	0.0	28.125	3.556	0.0	0.0	0.0	0
12.38	8.0	0.34	2.38	0.0	0.0	23.529	4.25	0.0	0.0	0.0	0
12.40	8.0	0.3	2.46	0.0	0.0	26.667	3.75	0.0	0.0	0.0	0
12.42	9.0	0.28	2.58	0.0	0.0	32.143	3.111	0.0	0.0	0.0	0
12.44	10.0	0.26	2.70	0.0	0.0	38.462	2.6	0.0	0.0	0.0	0
12.46	10.0	0.25	2.76	0.0	0.0	40.0	2.5	0.0	0.0	0.0	0
12.48	10.0	0.26	2.73	0.0	0.0	38.462	2.6	0.0	0.0	0.0	0
12.50	10.0	0.25	2.73	0.0	0.0	40.0	2.5	0.0	0.0	0.0	0
12.52	10.0	0.25	2.73	0.0	0.0	40.0	2.5	0.0	0.0	0.0	0
12.54	10.0	0.28	2.70	0.0	0.0	35.714	2.8	0.0	0.0	0.0	0
12.56	10.0	0.3	2.64	0.0	0.0	33.333	3.0	0.0	0.0	0.0	0
12.58	9.0	0.33	2.57	0.0	0.0	27.273	3.667	0.0	0.0	0.0	0
12.60	9.0	0.35	2.53	0.0	0.0	25.714	3.889	0.0	0.0	0.0	0
12.62	9.0	0.38	2.49	0.0	0.0	23.684	4.222	0.0	0.0	0.0	0
12.64	9.0	0.41	2.46	0.0	0.0	21.951	4.556	0.0	0.0	0.0	0
12.66	9.0	0.43	2.47	0.0	0.0	20.93	4.778	0.0	0.0	0.0	0
12.68	9.0	0.43	2.49	0.0	0.0	20.93	4.778	0.0	0.0	0.0	0
12.70	9.0	0.43	2.50	0.0	0.0	20.93	4.778	0.0	0.0	0.0	0
12.72	9.0	0.42	2.49	0.0	0.0	21.429	4.667	0.0	0.0	0.0	0
12.74	9.0	0.42	2.50	0.0	0.0	21.429	4.667	0.0	0.0	0.0	0
12.76	9.0	0.42	2.47	0.0	0.0	21.429	4.667	0.0	0.0	0.0	0
12.78	9.0	0.42	2.42	0.0	0.0	21.429	4.667	0.0	0.0	0.0	0
12.80	8.0	0.45	2.38	0.0	0.0	17.778	5.625	0.0	0.0	0.0	0
12.82	8.0	0.46	2.35	0.0	0.0	17.391	5.75	0.0	0.0	0.0	0
12.84	8.0	0.47	2.34	0.0	0.0	17.021	5.875	0.0	0.0	0.0	0
12.86	8.0	0.47	2.31	0.0	0.0	17.021	5.875	0.0	0.0	0.0	0
12.88	7.0	0.47	2.30	0.0	0.0	14.894	6.714	0.0	0.0	0.0	0
12.90	7.0	0.47	2.31	0.0	0.0	14.894	6.714	0.0	0.0	0.0	0
12.92	8.0	0.45	2.40	0.0	0.0	17.778	5.625	0.0	0.0	0.0	0
12.94	8.0	0.41	2.47	0.0	0.0	19.512	5.125	0.0	0.0	0.0	0
12.96	8.0	0.39	2.50	0.0	0.0	20.513	4.875	0.0	0.0	0.0	0
12.98	9.0	0.38	2.08	0.0	0.0	23.684	4.222	0.0	0.0	0.0	0
13.00	8.0	0.39	2.07	0.0	0.0	20.513	4.875	0.0	0.0	0.0	0
13.02	8.0	0.38	2.12	0.0	0.0	21.053	4.75	0.0	0.0	0.0	0
13.04	8.0	0.39	2.13	0.0	0.0	20.513	4.875	0.0	0.0	0.0	0
13.06	8.0	0.4	2.13	0.0	0.0	20.0	5.0	0.0	0.0	0.0	0
13.08	8.0	0.42	2.15	0.0	0.0	19.048	5.25	0.0	0.0	0.0	0
13.10	8.0	0.43	2.15	0.0	0.0	18.605	5.375	0.0	0.0	0.0	0
13.12	8.0	0.43	2.19	0.0	0.0	18.605	5.375	0.0	0.0	0.0	0
13.14	8.0	0.41	2.23	0.0	0.0	19.512	5.125	0.0	0.0	0.0	0
13.16	8.0	0.42	2.26	0.0	0.0	19.048	5.25	0.0	0.0	0.0	0
13.18	8.0	0.41	2.31	0.0	0.0	19.512	5.125	0.0	0.0	0.0	0
13.20	9.0	0.38	2.42	0.0	0.0	23.684	4.222	0.0	0.0	0.0	0
13.22	9.0	0.33	2.62	0.0	0.0	27.273	3.667	0.0	0.0	0.0	0
13.24	10.0	0.31	2.76	0.0	0.0	32.258	3.1	0.0	0.0	0.0	0
13.26	10.0	0.29	2.78	0.0	0.0	34.483	2.9	0.0	0.0	0.0	0
13.28	10.0	0.31	2.74	0.0	0.0	32.258	3.1	0.0	0.0	0.0	0
13.30	10.0	0.31	2.70	0.0	0.0	32.258	3.1	0.0	0.0	0.0	0
13.32	9.0	0.34	2.68	0.0	0.0	26.471	3.778	0.0	0.0	0.0	0
13.34	10.0	0.35	2.70	0.0	0.0	28.571	3.5	0.0	0.0	0.0	0
13.36	10.0	0.37	2.69	0.0	0.0	27.027	3.7	0.0	0.0	0.0	0
13.38	10.0	0.38	2.66	0.0	0.0	26.316	3.8	0.0	0.0	0.0	0
13.40	10.0	0.38	2.68	0.0	0.0	26.316	3.8	0.0	0.0	0.0	0
13.42	10.0	0.37	2.69	0.0	0.0	27.027	3.7	0.0	0.0	0.0	0
13.44	10.0	0.36	2.73	0.0	0.0	27.778	3.6	0.0	0.0	0.0	0
13.46	10.0	0.36	2.69	0.0	0.0	27.778	3.6	0.0	0.0	0.0	0
13.48	10.0	0.38	2.66	0.0	0.0	26.316	3.8	0.0	0.0	0.0	0

13.50	10.0	0.41	2.64	0.0	0.0	24.39	4.1	0.0	0.0	0.0	0
13.52	10.0	0.41	2.61	0.0	0.0	24.39	4.1	0.0	0.0	0.0	0
13.54	9.0	0.41	2.68	0.0	0.0	21.951	4.556	0.0	0.0	0.0	0
13.56	10.0	0.37	2.73	0.0	0.0	27.027	3.7	0.0	0.0	0.0	0
13.58	10.0	0.38	2.77	0.0	0.0	26.316	3.8	0.0	0.0	0.0	0
13.60	10.0	0.36	2.83	0.0	0.0	27.778	3.6	0.0	0.0	0.0	0
13.62	10.0	0.33	2.88	0.0	0.0	30.303	3.3	0.0	0.0	0.0	0
13.64	10.0	0.33	2.91	0.0	0.0	30.303	3.3	0.0	0.0	0.0	0
13.66	11.0	0.31	2.95	0.0	0.0	35.484	2.818	0.0	0.0	0.0	0
13.68	11.0	0.32	2.96	0.0	0.0	34.375	2.909	0.0	0.0	0.0	0
13.70	11.0	0.34	2.95	0.0	0.0	32.353	3.091	0.0	0.0	0.0	0
13.72	10.0	0.33	2.91	0.0	0.0	30.303	3.3	0.0	0.0	0.0	0
13.74	10.0	0.33	2.85	0.0	0.0	30.303	3.3	0.0	0.0	0.0	0
13.76	10.0	0.35	2.81	0.0	0.0	28.571	3.5	0.0	0.0	0.0	0
13.78	10.0	0.36	2.76	0.0	0.0	27.778	3.6	0.0	0.0	0.0	0
13.80	10.0	0.38	2.74	0.0	0.0	26.316	3.8	0.0	0.0	0.0	0
13.82	10.0	0.38	2.77	0.0	0.0	26.316	3.8	0.0	0.0	0.0	0
13.84	10.0	0.39	2.83	0.0	0.0	25.641	3.9	0.0	0.0	0.0	0
13.86	11.0	0.38	2.87	0.0	0.0	28.947	3.455	0.0	0.0	0.0	0
13.88	11.0	0.37	2.81	0.0	0.0	29.73	3.364	0.0	0.0	0.0	0
13.90	10.0	0.38	2.74	0.0	0.0	26.316	3.8	0.0	0.0	0.0	0
13.92	10.0	0.36	2.65	0.0	0.0	27.778	3.6	0.0	0.0	0.0	0
13.94	9.0	0.38	2.55	0.0	0.0	23.684	4.222	0.0	0.0	0.0	0
13.96	9.0	0.29	3.57	0.0	0.0	31.034	3.222	0.0	0.0	0.0	0
13.98	8.0	0.27	3.53	0.0	0.0	29.63	3.375	0.0	0.0	0.0	0
14.00	8.0	0.25	3.46	0.0	0.0	32.0	3.125	0.0	0.0	0.0	0
14.02	8.0	0.23	3.45	0.0	0.0	34.783	2.875	0.0	0.0	0.0	0
14.04	7.0	0.19	3.56	0.0	0.0	36.842	2.714	0.0	0.0	0.0	0
14.06	8.0	0.15	3.69	0.0	0.0	53.333	1.875	0.0	0.0	0.0	0
14.08	8.0	0.13	3.75	0.0	0.0	61.538	1.625	0.0	0.0	0.0	0
14.10	8.0	0.13	3.75	0.0	0.0	61.538	1.625	0.0	0.0	0.0	0
14.12	8.0	0.13	3.75	0.0	0.0	61.538	1.625	0.0	0.0	0.0	0
14.14	8.0	0.13	3.69	0.0	0.0	61.538	1.625	0.0	0.0	0.0	0
14.16	7.0	0.13	3.71	0.0	0.0	53.846	1.857	0.0	0.0	0.0	0
14.18	8.0	0.11	3.83	0.0	0.0	72.727	1.375	0.0	0.0	0.0	0
14.20	8.0	0.11	3.87	0.0	0.0	72.727	1.375	0.0	0.0	0.0	0
14.22	8.0	0.12	3.87	0.0	0.0	66.667	1.5	0.0	0.0	0.0	0
14.24	8.0	0.12	3.88	0.0	0.0	66.667	1.5	0.0	0.0	0.0	0
14.26	8.0	0.11	3.95	0.0	0.0	72.727	1.375	0.0	0.0	0.0	0
14.28	9.0	0.11	3.99	0.0	0.0	81.818	1.222	0.0	0.0	0.0	0
14.30	9.0	0.11	3.98	0.0	0.0	81.818	1.222	0.0	0.0	0.0	0
14.32	8.0	0.12	3.91	0.0	0.0	66.667	1.5	0.0	0.0	0.0	0
14.34	8.0	0.12	3.86	0.0	0.0	66.667	1.5	0.0	0.0	0.0	0
14.36	8.0	0.11	3.83	0.0	0.0	72.727	1.375	0.0	0.0	0.0	0
14.38	8.0	0.11	3.92	0.0	0.0	72.727	1.375	0.0	0.0	0.0	0
14.40	9.0	0.1	4.13	0.0	0.0	90.0	1.111	0.0	0.0	0.0	0
14.42	10.0	0.11	4.18	0.0	0.0	90.909	1.1	0.0	0.0	0.0	0
14.44	10.0	0.13	4.20	0.0	0.0	76.923	1.3	0.0	0.0	0.0	0
14.46	10.0	0.14	4.20	0.0	0.0	71.429	1.4	0.0	0.0	0.0	0
14.48	10.0	0.17	4.18	0.0	0.0	58.824	1.7	0.0	0.0	0.0	0
14.50	10.0	0.18	4.07	0.0	0.0	55.556	1.8	0.0	0.0	0.0	0
14.52	9.0	0.22	3.95	0.0	0.0	40.909	2.444	0.0	0.0	0.0	0
14.54	9.0	0.24	3.92	0.0	0.0	37.5	2.667	0.0	0.0	0.0	0
14.56	9.0	0.23	3.92	0.0	0.0	39.13	2.556	0.0	0.0	0.0	0
14.58	9.0	0.23	3.95	0.0	0.0	39.13	2.556	0.0	0.0	0.0	0
14.60	9.0	0.22	4.01	0.0	0.0	40.909	2.444	0.0	0.0	0.0	0
14.62	9.0	0.22	4.03	0.0	0.0	40.909	2.444	0.0	0.0	0.0	0
14.64	9.0	0.19	4.55	0.0	0.0	47.368	2.111	0.0	0.0	0.0	0
14.66	10.0	0.2	4.45	0.0	0.0	50.0	2.0	0.0	0.0	0.0	0
14.68	9.0	0.19	4.37	0.0	0.0	47.368	2.111	0.0	0.0	0.0	0
14.70	9.0	0.2	4.32	0.0	0.0	45.0	2.222	0.0	0.0	0.0	0
14.72	9.0	0.22	4.26	0.0	0.0	40.909	2.444	0.0	0.0	0.0	0
14.74	8.0	0.22	4.24	0.0	0.0	36.364	2.75	0.0	0.0	0.0	0
14.76	8.0	0.22	4.30	0.0	0.0	36.364	2.75	0.0	0.0	0.0	0
14.78	8.0	0.18	4.40	0.0	0.0	44.444	2.25	0.0	0.0	0.0	0
14.80	8.0	0.16	4.48	0.0	0.0	50.0	2.0	0.0	0.0	0.0	0
14.82	9.0	0.15	4.55	0.0	0.0	60.0	1.667	0.0	0.0	0.0	0
14.84	10.0	0.15	4.59	0.0	0.0	66.667	1.5	0.0	0.0	0.0	0
14.86	10.0	0.15	4.58	0.0	0.0	66.667	1.5	0.0	0.0	0.0	0
14.88	9.0	0.16	4.53	0.0	0.0	56.25	1.778	0.0	0.0	0.0	0

14.90	9.0	0.17	4.48	0.0	0.0	52.941	1.889	0.0	0.0	0.0	0
14.92	10.0	0.21	3.49	0.0	0.0	47.619	2.1	0.0	0.0	0.0	0
14.94	9.0	0.2	3.76	0.0	0.0	45.0	2.222	0.0	0.0	0.0	0
14.96	9.0	0.17	4.24	0.0	0.0	52.941	1.889	0.0	0.0	0.0	0
14.98	9.0	0.16	4.43	0.0	0.0	56.25	1.778	0.0	0.0	0.0	0
15.00	0.0	0.0	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0

NATURA LITOLOGICA (Robertson 1986)

Profondità (m)	Litologia: Robertson 1986
0.02	Limi sabbiosi e Limi argillosi
0.04	Limi argillosi e Argille limose
0.06	Limi argillosi e Argille limose
0.08	Argille limose - Argille
0.10	Argille
0.12	Argille
0.14	Argille
0.16	Argille
0.18	Argille
0.20	Argille
0.22	Argille
0.24	Argille
0.26	Argille
0.28	Argille
0.30	Argille
0.32	Argille
0.34	Argille
0.36	Argille
0.38	Argille
0.40	Argille
0.42	Argille
0.44	Argille
0.46	Argille
0.48	Argille
0.50	Argille
0.52	Argille
0.54	Argille
0.56	Argille
0.58	Argille
0.60	Argille
0.62	Argille
0.64	Argille
0.66	Argille
0.68	Argille
0.70	Argille
0.72	Argille
0.74	Argille
0.76	Argille
0.78	Argille
0.80	Argille limose - Argille
0.82	Argille limose - Argille
0.84	Limi argillosi e Argille limose
0.86	Limi argillosi e Argille limose
0.88	Limi argillosi e Argille limose
0.90	Limi argillosi e Argille limose
0.92	Limi argillosi e Argille limose
0.94	Limi argillosi e Argille limose
0.96	Limi argillosi e Argille limose
0.98	Limi argillosi e Argille limose
1.00	Limi argillosi e Argille limose
1.02	Limi argillosi e Argille limose
1.04	Limi argillosi e Argille limose
1.06	Limi argillosi e Argille limose
1.08	Limi argillosi e Argille limose
1.10	Limi sabbiosi e Limi argillosi
1.12	Limi sabbiosi e Limi argillosi
1.14	Limi sabbiosi e Limi argillosi
1.16	Sabbie limose - Limi argillosi
1.18	Sabbie limose - Limi argillosi
1.20	Sabbie limose - Limi argillosi

1.22	Sabbie limose - Limi argillosi
1.24	Sabbie limose - Limi argillosi
1.26	Sabbie limose - Limi argillosi
1.28	Sabbie limose - Limi argillosi
1.30	Sabbie limose - Limi argillosi
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1.36	Sabbie limose - Limi argillosi
1.38	Sabbie limose - Limi argillosi
1.40	Sabbie limose - Limi argillosi
1.42	Sabbie limose - Limi argillosi
1.44	Sabbie limose - Limi argillosi
1.46	Sabbie limose - Limi argillosi
1.48	Sabbie limose - Limi argillosi
1.50	Sabbie limose - Limi argillosi
1.52	Sabbie limose - Limi argillosi
1.54	Sabbie limose - Limi argillosi
1.56	Sabbie limose - Limi argillosi
1.58	Sabbie limose - Limi argillosi
1.60	Limi sabbiosi e Limi argillosi
1.62	Limi sabbiosi e Limi argillosi
1.64	Limi sabbiosi e Limi argillosi
1.66	Limi sabbiosi e Limi argillosi
1.68	Limi sabbiosi e Limi argillosi
1.70	Limi sabbiosi e Limi argillosi
1.72	Limi sabbiosi e Limi argillosi
1.74	Sabbie limose - Limi argillosi
1.76	Limi sabbiosi e Limi argillosi
1.78	Limi sabbiosi e Limi argillosi
1.80	Limi argillosi e Argille limose
1.82	Argille limose - Argille
1.84	Argille
1.86	Argille
1.88	Argille
1.90	Argille
1.92	Argille
1.94	Argille limose - Argille
1.96	Argille limose - Argille
1.98	Argille
2.00	Argille
2.02	Argille limose - Argille
2.04	Argille limose - Argille
2.06	Argille limose - Argille
2.08	Argille limose - Argille
2.10	Limi argillosi e Argille limose
2.12	Limi argillosi e Argille limose
2.14	Limi argillosi e Argille limose
2.16	Limi argillosi e Argille limose
2.18	Limi sabbiosi e Limi argillosi
2.20	Limi sabbiosi e Limi argillosi
2.22	Limi sabbiosi e Limi argillosi
2.24	Sabbie limose - Limi argillosi
2.26	Sabbie limose - Limi argillosi
2.28	Sabbie limose - Limi argillosi
2.30	Sabbie limose - Limi argillosi
2.32	Sabbie limose - Limi argillosi
2.34	Limi sabbiosi e Limi argillosi
2.36	Limi sabbiosi e Limi argillosi
2.38	Limi sabbiosi e Limi argillosi
2.40	Limi sabbiosi e Limi argillosi
2.42	Sabbie limose - Limi argillosi
2.44	Sabbie limose - Limi argillosi
2.46	Sabbie - Sabbie limose
2.48	Sabbie - Sabbie limose
2.50	Sabbie - Sabbie limose
2.52	Sabbie - Sabbie limose
2.54	Sabbie - Sabbie limose
2.56	Sabbie - Sabbie limose
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2.60	Sabbie - Sabbie limose

2.62	Sabbie - Sabbie limose
2.64	Sabbie - Sabbie limose
2.66	Sabbie - Sabbie limose
2.68	Sabbie - Sabbie limose
2.70	Sabbie - Sabbie limose
2.72	Sabbie - Sabbie limose
2.74	Sabbie - Sabbie limose
2.76	Sabbie limose - Limi argillosi
2.78	Sabbie limose - Limi argillosi
2.80	Sabbie limose - Limi argillosi
2.82	Sabbie limose - Limi argillosi
2.84	Sabbie limose - Limi argillosi
2.86	Sabbie limose - Limi argillosi
2.88	Sabbie limose - Limi argillosi
2.90	Sabbie limose - Limi argillosi
2.92	Sabbie limose - Limi argillosi
2.94	Sabbie limose - Limi argillosi
2.96	Sabbie limose - Limi argillosi
2.98	Sabbie limose - Limi argillosi
3.00	Sabbie limose - Limi argillosi
3.02	Sabbie limose - Limi argillosi
3.04	Sabbie limose - Limi argillosi
3.06	Sabbie - Sabbie limose
3.08	Sabbie - Sabbie limose
3.10	Sabbie - Sabbie limose
3.12	Sabbie - Sabbie limose
3.14	Sabbie limose - Limi argillosi
3.16	Sabbie limose - Limi argillosi
3.18	Sabbie limose - Limi argillosi
3.20	Sabbie limose - Limi argillosi
3.22	Sabbie limose - Limi argillosi
3.24	Sabbie limose - Limi argillosi
3.26	Limi sabbiosi e Limi argillosi
3.28	Limi argillosi e Argille limose
3.30	Limi sabbiosi e Limi argillosi
3.32	Sabbie limose - Limi argillosi
3.34	Sabbie limose - Limi argillosi
3.36	Sabbie - Sabbie limose
3.38	Sabbie - Sabbie limose
3.40	Sabbie - Sabbie limose
3.42	Sabbie
3.44	Sabbie
3.46	Sabbie
3.48	Sabbie
3.50	Sabbie
3.52	Sabbie
3.54	Sabbie
3.56	Sabbie
3.58	Sabbie - Sabbie limose
3.60	Sabbie - Sabbie limose
3.62	Sabbie - Sabbie limose
3.64	Sabbie - Sabbie limose
3.66	Sabbie - Sabbie limose
3.68	Sabbie - Sabbie limose
3.70	Sabbie - Sabbie limose
3.72	Sabbie - Sabbie limose
3.74	Sabbie - Sabbie limose
3.76	Sabbie - Sabbie limose
3.78	Sabbie - Sabbie limose
3.80	Sabbie limose - Limi argillosi
3.82	Sabbie limose - Limi argillosi
3.84	Sabbie limose - Limi argillosi
3.86	Sabbie limose - Limi argillosi
3.88	Sabbie limose - Limi argillosi
3.90	Sabbie limose - Limi argillosi
3.92	Sabbie limose - Limi argillosi
3.94	Sabbie limose - Limi argillosi
3.96	Limi sabbiosi e Limi argillosi
3.98	Limi sabbiosi e Limi argillosi
4.00	Limi sabbiosi e Limi argillosi

4.02	Limi sabbiosi e Limi argillosi
4.04	Terreni fini molto sensitivi
4.06	Terreni fini molto sensitivi
4.08	Terreni fini molto sensitivi
4.10	Terreni fini molto sensitivi
4.12	Terreni fini molto sensitivi
4.14	Terreni fini molto sensitivi
4.16	Terreni fini molto sensitivi
4.18	Argille limose - Argille
4.20	Terreni fini molto sensitivi
4.22	Terreni fini molto sensitivi
4.24	Terreni fini molto sensitivi
4.26	Terreni fini molto sensitivi
4.28	Terreni fini molto sensitivi
4.30	Terreni fini molto sensitivi
4.32	Terreni fini molto sensitivi
4.34	Argille
4.36	Argille
4.38	Argille limose - Argille
4.40	Limi sabbiosi e Limi argillosi
4.42	Limi sabbiosi e Limi argillosi
4.44	Limi sabbiosi e Limi argillosi
4.46	Limi sabbiosi e Limi argillosi
4.48	Limi sabbiosi e Limi argillosi
4.50	Sabbie limose - Limi argillosi
4.52	Limi sabbiosi e Limi argillosi
4.54	Limi sabbiosi e Limi argillosi
4.56	Limi sabbiosi e Limi argillosi
4.58	Limi sabbiosi e Limi argillosi
4.60	Limi sabbiosi e Limi argillosi
4.62	Limi sabbiosi e Limi argillosi
4.64	Limi sabbiosi e Limi argillosi
4.66	Limi sabbiosi e Limi argillosi
4.68	Limi sabbiosi e Limi argillosi
4.70	Limi sabbiosi e Limi argillosi
4.72	Limi sabbiosi e Limi argillosi
4.74	Terreni fini molto sensitivi
4.76	Terreni fini molto sensitivi
4.78	Terreni fini molto sensitivi
4.80	Terreni fini molto sensitivi
4.82	Terreni fini molto sensitivi
4.84	Terreni fini molto sensitivi
4.86	Limi argillosi e Argille limose
4.88	Limi argillosi e Argille limose
4.90	Limi argillosi e Argille limose
4.92	Limi argillosi e Argille limose
4.94	Limi argillosi e Argille limose
4.96	Limi argillosi e Argille limose
4.98	Limi argillosi e Argille limose
5.00	Limi argillosi e Argille limose
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5.04	Limi argillosi e Argille limose
5.06	Limi argillosi e Argille limose
5.08	Limi argillosi e Argille limose
5.10	Limi argillosi e Argille limose
5.12	Limi argillosi e Argille limose
5.14	Limi sabbiosi e Limi argillosi
5.16	Limi sabbiosi e Limi argillosi
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5.22	Limi sabbiosi e Limi argillosi
5.24	Limi sabbiosi e Limi argillosi
5.26	Limi argillosi e Argille limose
5.28	Limi sabbiosi e Limi argillosi
5.30	Limi argillosi e Argille limose
5.32	Limi argillosi e Argille limose
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5.72	Limi sabbiosi e Limi argillosi
5.74	Sabbie limose - Limi argillosi
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5.78	Sabbie limose - Limi argillosi
5.80	Sabbie limose - Limi argillosi
5.82	Sabbie limose - Limi argillosi
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5.92	Sabbie - Sabbie limose
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5.96	Sabbie limose - Limi argillosi
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6.42	Limi sabbiosi e Limi argillosi
6.44	Limi sabbiosi e Limi argillosi
6.46	Limi sabbiosi e Limi argillosi
6.48	Limi sabbiosi e Limi argillosi
6.50	Limi sabbiosi e Limi argillosi
6.52	Limi argillosi e Argille limose
6.54	Argille limose - Argille
6.56	Argille limose - Argille
6.58	Argille limose - Argille
6.60	Argille
6.62	Argille limose - Argille
6.64	Argille limose - Argille
6.66	Limi argillosi e Argille limose
6.68	Limi sabbiosi e Limi argillosi
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11.90	Limi sabbiosi e Limi argillosi
11.92	Limi argillosi e Argille limose
11.94	Limi argillosi e Argille limose
11.96	Argille limose - Argille
11.98	Argille limose - Argille
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14.06	Limi argillosi e Argille limose
14.08	Limi argillosi e Argille limose
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14.88	Limi argillosi e Argille limose
14.90	Limi argillosi e Argille limose
14.92	Limi argillosi e Argille limose
14.94	Argille limose - Argille
14.96	Limi argillosi e Argille limose
14.98	Limi argillosi e Argille limose
15.00	Stima non eseguibile

STIMA PARAMETRI GEOTECNICI

Nr:	Numero progressivo strato
Prof:	Profondità strato (m)
Tipo:	C: Coesivo. I: Incoerente. CI: Coesivo-Incoerente
Cu:	Coesione non drenata (Kg/cm ²)
Eu:	Modulo di defomazione non drenato (Kg/cm ²)

Mo:	Modulo Edometrico (Kg/cm ²)
G:	Modulo di deformazione a taglio (Kg/cm ²)
OCR:	Grado di sovraconsolidazione
Puv:	Peso unità di volume (t/m ³)
PuvS:	Peso unità di volume saturo (t/m ³)
Dr:	Densità relativa (%)
Fi:	Angolo di resistenza al taglio (°)
Ey:	Modulo di Young (Kg/cm ²)
Vs:	Velocità onde di taglio (m/s)

Nr.	Prof.	Tipo	Cu	Eu	Mo	G	OCR	Puv	PuvS	Dr	Fi	Ey	Vs
1	0.06	CI	0.6	424.8	45.9	123.4	<0.5	1.9	2.0	100.0	45.0	28.3	118.30
2	0.82	C	0.8	576.0	48.3	149.1	>9	1.9	2.0	--	--	--	159.55
3	1.14	C	3.1	2296.5	122.9	346.7	>9	2.2	2.2	--	--	--	233.49
4	1.58	CI	2.3	1717.9	92.2	290.8	1.0	2.1	2.2	76.0	35.1	115.2	273.20
5	1.72	CI	1.6	1160.5	62.6	229.5	1.4	2.0	2.1	58.0	32.2	78.2	253.97
6	1.74	CI	1.7	1261.6	68.0	241.5	1.4	2.1	2.1	59.8	32.4	85.0	260.82
7	1.80	CI	1.1	836.3	45.3	188.5	2.0	2.0	2.1	45.3	30.3	56.7	236.24
8	2.08	C	0.6	461.9	47.6	132.4	>9	1.9	2.0	--	--	--	196.07
9	2.22	C	1.0	722.9	42.6	173.1	6.3	2.0	2.0	--	--	--	215.60
10	2.32	CI	1.5	1137.7	61.6	227.3	1.8	2.0	2.1	50.1	30.6	77.0	262.77
11	2.40	CI	1.4	1041.4	56.5	215.6	2.1	2.0	2.1	46.2	30.0	70.6	258.35
12	3.24	CI	3.1	2300.0	123.8	348.2	1.2	2.2	2.2	70.0	33.2	154.7	319.82
13	3.30	CI	1.2	902.5	49.3	198.5	<0.5	2.0	2.1	36.1	28.2	61.7	256.84
14	3.94	CI	3.5	2604.4	140.2	375.7	1.2	2.2	2.3	70.4	33.1	175.2	336.60
15	4.02	CI	0.7	508.7	48.4	142.0	<0.5	1.9	2.0	14.2	24.9	35.6	227.44
16	4.16	CI	0.3	215.1	33.2	87.3	<0.5	1.8	1.8	5.0	20.8	16.1	186.57
17	4.18	C	0.3	161.2	27.4	74.9	0.9	1.7	1.8	--	--	--	181.29
18	4.32	CI	0.3	198.5	31.5	83.7	<0.5	1.7	1.8	5.0	20.4	15.0	183.75
19	4.38	C	0.3	160.7	27.4	74.9	1.1	1.7	1.8	--	--	--	181.83
20	4.48	CI	0.8	595.5	47.6	155.8	<0.5	1.9	2.0	18.2	25.4	41.5	237.84
21	4.50	CI	1.0	685.3	44.2	169.2	<0.5	2.0	2.0	22.6	26.0	47.5	246.27
22	4.72	CI	0.7	490.5	48.3	139.3	<0.5	1.9	2.0	11.3	24.3	34.5	227.77
23	4.84	CI	0.4	265.5	37.9	98.5	<0.5	1.8	1.9	5.0	21.4	19.6	198.01
24	5.72	C	0.7	463.6	47.9	135.2	1.6	1.9	2.0	--	--	--	220.46
25	6.40	CI	1.4	1052.7	57.9	218.8	<0.5	2.0	2.1	32.8	27.2	72.4	279.92
26	6.52	CI	0.9	634.6	46.1	162.8	<0.5	1.9	2.0	15.1	24.6	44.6	249.26
27	6.64	C	0.8	546.7	48.3	149.4	4.4	1.9	2.0	--	--	--	232.39
28	6.68	C	1.3	959.0	53.0	207.4	4.2	2.0	2.1	--	--	--	256.40
29	7.26	CI	1.6	1143.4	62.9	230.2	<0.5	2.0	2.1	33.3	27.1	78.6	289.29
30	7.30	CI	1.1	769.1	43.0	182.5	<0.5	2.0	2.1	19.4	25.1	53.8	264.00
31	7.90	CI	1.8	1342.8	73.7	253.6	<0.5	2.1	2.2	37.1	27.6	92.1	303.51
32	7.98	CI	0.9	654.0	45.1	166.5	<0.5	1.9	2.0	12.6	24.0	46.3	256.45
33	8.24	C	0.4	230.8	36.0	93.8	1.8	1.8	1.9	--	--	--	207.60
34	8.32	C	0.4	249.6	37.7	97.8	0.8	1.8	1.9	--	--	--	210.72
35	8.76	C	0.4	222.4	35.4	92.3	0.9	1.8	1.8	--	--	--	207.74
36	8.86	C	0.5	302.4	41.7	108.7	0.9	1.8	1.9	--	--	--	218.69
37	11.40	C	0.4	231.7	36.7	95.4	1.2	1.8	1.9	--	--	--	213.76
38	11.44	C	0.4	248.6	38.4	99.8	0.6	1.8	1.9	--	--	--	219.70
39	11.48	C	0.4	211.0	35.2	91.9	0.6	1.8	1.8	--	--	--	214.52
40	11.50	C	0.4	248.4	38.4	99.8	0.6	1.8	1.9	--	--	--	219.83
41	11.58	C	0.4	210.8	35.2	91.9	0.6	1.8	1.8	--	--	--	214.67
42	11.72	C	0.5	285.5	41.2	107.2	0.6	1.8	1.9	--	--	--	224.88
43	11.78	C	0.4	222.7	36.3	94.6	0.7	1.8	1.8	--	--	--	216.89
44	11.94	C	0.6	373.9	46.0	123.7	0.7	1.9	1.9	--	--	--	235.06
45	11.98	C	0.4	247.0	38.4	99.8	0.8	1.8	1.9	--	--	--	220.76
46	12.00	C	0.4	209.4	35.2	91.9	0.5	1.8	1.8	--	--	--	215.54
47	12.06	C	0.4	271.8	40.3	104.8	1.0	1.8	1.9	--	--	--	224.12
48	12.08	C	0.5	284.2	41.2	107.2	0.9	1.8	1.9	--	--	--	225.73
49	12.16	C	0.5	284.1	41.2	107.2	1.0	1.8	1.9	--	--	--	225.83
50	12.20	C	0.5	340.1	44.5	117.8	1.0	1.8	1.9	--	--	--	232.35
51	12.22	C	0.5	321.3	43.5	114.3	1.3	1.8	1.9	--	--	--	230.37
52	12.24	C	0.6	358.7	45.4	121.2	1.2	1.8	1.9	--	--	--	234.42
53	14.04	C	0.5	288.6	41.7	108.7	1.6	1.8	1.9	--	--	--	229.02
54	14.14	C	0.4	240.0	38.4	99.8	0.6	1.8	1.9	--	--	--	225.20
55	14.16	C	0.4	202.3	35.2	91.9	0.5	1.8	1.8	--	--	--	219.93
56	14.50	C	0.4	268.0	40.6	105.5	<0.5	1.8	1.9	--	--	--	229.39
57	14.62	C	0.5	276.1	41.2	107.2	0.9	1.8	1.9	--	--	--	230.91
58	14.68	C	0.5	288.3	42.0	109.6	0.8	1.8	1.9	--	--	--	232.59
59	14.80	C	0.4	250.5	39.4	102.3	0.8	1.8	1.9	--	--	--	228.03

60	14.92	C	0.5	293.9	42.4	110.8	0.7	1.8	1.9	--	--	--	233.72
61	14.94	C	0.5	275.0	41.2	107.2	0.8	1.8	1.9	--	--	--	231.57
62	14.98	C	0.5	274.9	41.2	107.2	0.7	1.8	1.9	--	--	--	231.62

PROVA ... CPTU N°1

Committente: Comune di San Giovanni Persiceto

Strumento utilizzato: PAGANI 200 kN (CPTU)

Prova eseguita in data: 05/11/2017

Profondità prova: 15.00 mt

Località: S. Giovanni Persiceto

RESISTENZE / LITOLOGIE

Profondità	
qc	Resistenza punta (Kg/cm ²);
fs	Resistenza laterale (Kg/cm ²);
Tilt	Inclinazione (°)
Temp	Temperatura (°)
Fr	fs/qcx100 (Schmertmann)
qcn	qc normalizzata (Kg/cm ²);
fsn	fs normalizzato (Kg/cm ²);
U2	Pressione neutrale intorno al cono (Kg/cm ²);
Uo	Pressione neutrale rilevata (Kg/cm ²);
Fc	Contenuto in materiale fine(%)

Profondità	qc	fs	U2	Tilt	Temp	qc/fs	Fr	Uo	qcn	fsn	FC%
0.02	0.0	0.0	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
0.04	13.0	0.187	0.40	0.0	0.0	69.519	1.438	0.0	12.0	1.439	43.7
0.06	14.0	0.26	0.38	0.0	0.0	53.846	1.857	0.0	13.0	1.858	45.26
0.08	15.0	0.389	0.38	0.0	0.0	38.56	2.593	0.0	14.0	2.595	48.39
0.10	17.0	0.537	0.40	0.0	0.0	31.657	3.159	0.0	16.0	3.162	48.62
0.12	18.0	0.674	0.41	0.0	0.0	26.706	3.744	0.0	17.0	3.748	50.11
0.14	18.0	0.769	0.40	0.0	0.0	23.407	4.272	0.0	17.0	4.278	52.35
0.16	18.0	0.841	0.34	0.0	0.0	21.403	4.672	0.0	17.0	4.679	53.93
0.18	18.0	0.964	-0.49	0.0	0.0	18.672	5.356	0.0	17.0	5.365	56.44
0.20	18.0	1.051	-0.49	0.0	0.0	17.127	5.839	0.0	17.0	5.85	58.09
0.22	19.0	1.078	-0.50	0.0	0.0	17.625	5.674	0.0	18.0	5.685	56.31
0.24	20.0	1.125	-0.49	0.0	0.0	17.778	5.625	0.0	19.0	5.637	55
0.26	20.0	1.123	-0.31	0.0	0.0	17.809	5.615	0.0	19.0	5.628	54.97
0.28	20.0	1.113	-0.30	0.0	0.0	17.969	5.565	0.0	19.0	5.579	54.81
0.30	20.0	1.109	-0.27	0.0	0.0	18.034	5.545	0.0	19.0	5.56	54.75
0.32	21.0	1.139	-0.26	0.0	0.0	18.437	5.424	0.0	20.0	5.439	53.28
0.34	21.0	1.181	-0.24	0.0	0.0	17.782	5.624	0.0	20.0	5.641	53.95
0.36	21.0	1.284	-0.24	0.0	0.0	16.355	6.114	0.0	20.0	6.134	55.54
0.38	19.0	1.377	-0.24	0.0	0.0	13.798	7.247	0.0	18.0	7.274	61.19
0.40	18.0	1.432	-0.26	0.0	0.0	12.57	7.956	0.0	17.0	7.989	64.43
0.42	18.0	1.458	-0.26	0.0	0.0	12.346	8.1	0.0	17.0	8.135	64.82
0.44	17.0	1.443	-0.24	0.0	0.0	11.781	8.488	0.0	16.0	8.529	67.25
0.46	17.0	1.406	-0.23	0.0	0.0	12.091	8.271	0.0	16.0	8.313	66.68
0.48	16.0	1.356	-0.23	0.0	0.0	11.799	8.475	0.0	15.0	8.523	68.75
0.50	15.0	1.285	-0.16	0.0	0.0	11.673	8.567	0.0	14.0	8.621	70.66
0.52	15.0	1.215	-0.11	0.0	0.0	12.346	8.1	0.0	14.0	8.153	69.41
0.54	15.0	1.144	-0.09	0.0	0.0	13.112	7.627	0.0	14.0	7.679	68.1
0.56	15.0	1.128	-0.08	0.0	0.0	13.298	7.52	0.0	14.0	7.573	67.8
0.58	15.0	1.121	-0.07	0.0	0.0	13.381	7.473	0.0	14.0	7.528	67.67
0.60	15.0	1.123	-0.04	0.0	0.0	13.357	7.487	0.0	14.0	7.543	67.72
0.62	14.0	1.094	-0.01	0.0	0.0	12.797	7.814	0.0	13.0	7.88	70.47
0.64	14.0	1.064	0.02	0.0	0.0	13.158	7.6	0.0	13.0	7.666	69.86
0.66	15.0	1.056	0.04	0.0	0.0	14.205	7.04	0.0	14.0	7.099	66.42
0.68	15.0	1.045	0.06	0.0	0.0	14.354	6.967	0.0	14.0	7.027	66.2
0.70	16.0	1.055	0.07	0.0	0.0	15.166	6.594	0.0	15.0	6.649	63.44
0.72	16.0	1.044	0.10	0.0	0.0	15.326	6.525	0.0	15.0	6.581	63.23
0.74	16.0	1.038	0.11	0.0	0.0	15.414	6.488	0.0	15.0	6.545	63.12
0.76	17.0	1.021	0.13	0.0	0.0	16.65	6.006	0.0	16.0	6.057	60.1
0.78	17.0	1.003	0.15	0.0	0.0	16.949	5.9	0.0	16.0	5.952	59.76
0.80	17.0	1.009	0.18	0.0	0.0	16.848	5.935	0.0	16.0	5.989	59.88
0.82	17.0	1.003	0.19	0.0	0.0	16.949	5.9	0.0	16.0	5.954	59.77

0.84	17.0	0.972	0.19	0.0	0.0	17.49	5.718	0.0	16.0	5.772	59.16
0.86	17.0	0.962	0.22	0.0	0.0	17.672	5.659	0.0	16.0	5.714	58.96
0.88	17.0	0.946	0.25	0.0	0.0	17.97	5.565	0.0	16.0	5.62	58.64
0.90	20.0	0.916	0.30	0.0	0.0	21.834	4.58	0.0	19.0	4.62	51.39
0.92	22.0	0.858	0.36	0.0	0.0	25.641	3.9	0.0	21.0	3.931	46.67
0.94	25.0	0.847	0.41	0.0	0.0	29.516	3.388	0.0	24.0	3.412	41.94
0.96	29.0	0.798	0.49	0.0	0.0	36.341	2.752	0.0	28.0	2.769	36.26
0.98	33.0	0.728	0.59	0.0	0.0	45.33	2.206	0.0	32.0	2.219	31.25
1.00	39.0	0.663	0.71	0.0	0.0	58.824	1.7	0.0	38.0	1.708	25.76
1.02	46.0	0.587	0.82	0.0	0.0	78.365	1.276	0.0	45.0	1.282	20.72
1.04	54.0	0.533	0.95	0.0	0.0	101.313	0.987	0.0	53.0	0.991	16.65
1.06	61.0	0.474	1.05	0.0	0.0	128.692	0.777	0.0	60.0	0.78	13.62
1.08	67.0	0.484	1.09	0.0	0.0	138.43	0.722	0.0	66.0	0.725	12.22
1.10	72.0	0.51	0.99	0.0	0.0	141.176	0.708	0.0	71.0	0.71	11.41
1.12	73.0	0.571	0.93	0.0	0.0	127.846	0.782	0.0	72.0	0.785	11.9
1.14	69.0	0.656	0.86	0.0	0.0	105.183	0.951	0.0	68.0	0.954	13.77
1.16	64.0	0.789	0.91	0.0	0.0	81.115	1.233	0.0	63.0	1.237	16.56
1.18	61.0	0.774	0.76	0.0	0.0	78.811	1.269	0.0	60.0	1.274	17.33
1.20	56.0	0.848	0.68	0.0	0.0	66.038	1.514	0.0	55.0	1.521	19.89
1.22	53.0	0.915	0.63	0.0	0.0	57.923	1.726	0.0	52.0	1.734	21.84
1.24	56.0	0.848	0.60	0.0	0.0	66.038	1.514	0.0	55.0	1.521	19.9
1.26	53.0	0.954	0.53	0.0	0.0	55.556	1.8	0.0	52.0	1.808	22.27
1.28	50.0	1.203	0.48	0.0	0.0	41.563	2.406	0.0	49.0	2.418	26.23
1.30	49.0	1.449	0.46	0.0	0.0	33.816	2.957	0.0	48.0	2.973	29.06
1.32	49.0	1.611	0.48	0.0	0.0	30.416	3.288	0.0	48.0	3.305	30.46
1.34	49.0	1.625	0.49	0.0	0.0	30.154	3.316	0.0	48.0	3.334	30.57
1.36	48.0	1.721	0.49	0.0	0.0	27.891	3.585	0.0	47.0	3.606	31.94
1.38	47.0	1.811	0.49	0.0	0.0	25.953	3.853	0.0	46.0	3.876	33.28
1.40	46.0	1.877	0.48	0.0	0.0	24.507	4.08	0.0	45.0	4.105	34.44
1.42	45.0	1.796	0.46	0.0	0.0	25.056	3.991	0.0	44.0	4.016	34.45
1.44	43.0	1.803	0.46	0.0	0.0	23.849	4.193	0.0	42.0	4.221	35.89
1.46	43.0	1.756	0.48	0.0	0.0	24.487	4.084	0.0	42.0	4.111	35.49
1.48	42.0	1.608	0.51	0.0	0.0	26.119	3.829	0.0	41.0	3.856	34.9
1.50	42.0	1.389	0.53	0.0	0.0	30.238	3.307	0.0	41.0	3.331	32.81
1.52	41.0	1.154	0.55	0.0	0.0	35.529	2.815	0.0	40.0	2.836	31.01
1.54	39.0	0.925	0.53	0.0	0.0	42.162	2.372	0.0	38.0	2.391	29.6
1.56	36.0	0.721	0.49	0.0	0.0	49.931	2.003	0.0	35.0	2.02	28.79
1.58	33.0	0.589	0.45	0.0	0.0	56.027	1.785	0.0	32.0	1.802	28.81
1.60	29.0	0.527	0.41	0.0	0.0	55.028	1.817	0.0	28.0	1.837	31.08
1.62	25.0	0.53	0.38	0.0	0.0	47.17	2.12	0.0	24.0	2.148	35.51
1.64	21.0	0.574	0.33	0.0	0.0	36.585	2.733	0.0	20.0	2.777	42.26
1.66	18.0	0.609	0.29	0.0	0.0	29.557	3.383	0.0	17.0	3.447	48.74
1.68	15.0	0.625	0.27	0.0	0.0	24.0	4.167	0.0	14.0	4.262	56.49
1.70	14.0	0.642	0.26	0.0	0.0	21.807	4.586	0.0	13.0	4.699	59.96
1.72	13.0	0.66	0.26	0.0	0.0	19.697	5.077	0.0	12.0	5.214	63.83
1.74	12.0	0.673	0.27	0.0	0.0	17.831	5.608	0.0	11.0	5.775	68.01
1.76	12.0	0.686	0.29	0.0	0.0	17.493	5.717	0.0	11.0	5.888	68.4
1.78	12.0	0.695	0.30	0.0	0.0	17.266	5.792	0.0	11.0	5.967	68.68
1.80	11.0	0.698	0.32	0.0	0.0	15.759	6.345	0.0	10.0	6.558	73.11
1.82	11.0	0.707	0.78	0.0	0.0	15.559	6.427	0.0	10.0	6.645	73.4
1.84	10.0	0.725	0.74	0.0	0.0	13.793	7.25	0.0	9.0	7.524	78.98
1.86	10.0	0.753	0.74	0.0	0.0	13.28	7.53	0.0	9.0	7.818	79.86
1.88	10.0	0.765	0.75	0.0	0.0	13.072	7.65	0.0	9.0	7.946	80.23
1.90	9.0	0.75	0.90	0.0	0.0	12.0	8.333	0.0	8.0	8.696	85.69
1.92	10.0	0.701	0.94	0.0	0.0	14.265	7.01	0.0	9.0	7.286	78.25
1.94	10.0	0.661	0.93	0.0	0.0	15.129	6.61	0.0	9.0	6.873	76.94
1.96	10.0	0.641	0.65	0.0	0.0	15.601	6.41	0.0	9.0	6.668	76.27
1.98	9.0	0.628	0.61	0.0	0.0	14.331	6.978	0.0	8.0	7.294	81.54
2.00	9.0	0.608	0.64	0.0	0.0	14.803	6.756	0.0	8.0	7.065	80.81
2.02	9.0	0.61	0.64	0.0	0.0	14.754	6.778	0.0	8.0	7.091	80.9
2.04	9.0	0.608	0.65	0.0	0.0	14.803	6.756	0.0	8.0	7.071	80.83
2.06	9.0	0.628	0.68	0.0	0.0	14.331	6.978	0.0	8.0	7.307	81.58
2.08	8.0	0.629	0.70	0.0	0.0	12.719	7.863	0.0	7.0	8.286	88.42
2.10	8.0	0.61	0.71	0.0	0.0	13.115	7.625	0.0	7.0	8.039	87.69
2.12	8.0	0.587	0.75	0.0	0.0	13.629	7.338	0.0	7.0	7.74	86.79
2.14	8.0	0.551	0.78	0.0	0.0	14.519	6.888	0.0	7.0	7.269	85.31
2.16	8.0	0.526	0.84	0.0	0.0	15.209	6.575	0.0	7.0	6.942	84.25
2.18	7.0	0.501	0.88	0.0	0.0	13.972	7.157	0.0	6.0	7.622	91.08
2.20	8.0	0.447	1.29	0.0	0.0	17.897	5.588	0.0	7.0	5.905	80.62
2.22	8.0	0.422	1.35	0.0	0.0	18.957	5.275	0.0	7.0	5.578	79.39

2.24	8.0	0.419	1.39	0.0	0.0	19.093	5.238	0.0	7.0	5.541	79.25
2.26	9.0	0.408	1.37	0.0	0.0	22.059	4.533	0.0	8.0	4.767	72.42
2.28	8.0	0.416	1.37	0.0	0.0	19.231	5.2	0.0	7.0	5.506	79.11
2.30	9.0	0.431	1.44	0.0	0.0	20.882	4.789	0.0	8.0	5.04	73.54
2.32	9.0	0.428	1.47	0.0	0.0	21.028	4.756	0.0	8.0	5.007	73.41
2.34	9.0	0.426	1.55	0.0	0.0	21.127	4.733	0.0	8.0	4.986	73.32
2.36	9.0	0.416	1.59	0.0	0.0	21.635	4.622	0.0	8.0	4.871	72.85
2.38	9.0	0.407	1.45	0.0	0.0	22.113	4.522	0.0	8.0	4.768	72.42
2.40	9.0	0.414	1.44	0.0	0.0	21.739	4.6	0.0	8.0	4.852	72.77
2.42	10.0	0.434	1.62	0.0	0.0	23.041	4.34	0.0	9.0	4.554	68.4
2.44	10.0	0.442	1.58	0.0	0.0	22.624	4.42	0.0	9.0	4.64	68.76
2.46	10.0	0.45	1.44	0.0	0.0	22.222	4.5	0.0	9.0	4.726	69.12
2.48	10.0	0.482	1.45	0.0	0.0	20.747	4.82	0.0	9.0	5.064	70.49
2.50	10.0	0.523	1.67	0.0	0.0	19.12	5.23	0.0	9.0	5.497	72.16
2.52	10.0	0.549	1.64	0.0	0.0	18.215	5.49	0.002	8.996	5.772	73.19
2.54	10.0	0.567	1.71	0.0	0.0	17.637	5.67	0.004	8.992	5.964	73.89
2.56	11.0	0.593	1.79	0.0	0.0	18.55	5.391	0.006	9.988	5.646	69.99
2.58	11.0	0.598	1.77	0.0	0.0	18.395	5.436	0.008	9.984	5.695	70.18
2.60	11.0	0.602	1.69	0.0	0.0	18.272	5.473	0.01	9.98	5.735	70.34
2.62	11.0	0.623	1.73	0.0	0.0	17.657	5.664	0.012	9.976	5.938	71.07
2.64	11.0	0.632	1.67	0.0	0.0	17.405	5.745	0.014	9.972	6.026	71.38
2.66	11.0	0.648	1.45	0.0	0.0	16.975	5.891	0.016	9.968	6.18	71.93
2.68	10.0	0.677	1.55	0.0	0.0	14.771	6.77	0.018	8.964	7.14	77.9
2.70	9.0	0.679	1.69	0.0	0.0	13.255	7.544	0.02	7.96	8.009	83.86
2.72	9.0	0.663	1.74	0.0	0.0	13.575	7.367	0.022	7.956	7.824	83.32
2.74	9.0	0.654	1.79	0.0	0.0	13.761	7.267	0.024	7.953	7.721	83.03
2.76	9.0	0.665	1.78	0.0	0.0	13.534	7.389	0.026	7.949	7.854	83.44
2.78	9.0	0.616	1.41	0.0	0.0	14.61	6.844	0.028	7.945	7.279	81.69
2.80	9.0	0.58	1.32	0.0	0.0	15.517	6.444	0.03	7.941	6.856	80.34
2.82	8.0	0.6	1.37	0.0	0.0	13.333	7.5	0.032	6.938	8.048	87.99
2.84	7.0	0.607	1.40	0.0	0.0	11.532	8.671	0.034	5.934	9.408	96.67
2.86	7.0	0.592	1.44	0.0	0.0	11.824	8.457	0.036	5.93	9.18	96.06
2.88	7.0	0.586	1.50	0.0	0.0	11.945	8.371	0.038	5.927	9.092	95.83
2.90	7.0	0.568	1.59	0.0	0.0	12.324	8.114	0.04	5.923	8.818	95.08
2.92	8.0	0.53	1.66	0.0	0.0	15.094	6.625	0.042	6.919	7.126	85.19
2.94	9.0	0.483	1.78	0.0	0.0	18.634	5.367	0.044	7.916	5.727	76.49
2.96	9.0	0.458	1.88	0.0	0.0	19.651	5.089	0.046	7.912	5.433	75.39
2.98	10.0	0.463	1.94	0.0	0.0	21.598	4.63	0.048	8.909	4.912	70.15
3.00	9.0	0.466	1.89	0.0	0.0	19.313	5.178	0.05	7.905	5.532	75.8
3.02	9.0	0.468	1.69	0.0	0.0	19.231	5.2	0.052	7.902	5.559	75.91
3.04	9.0	0.504	1.41	0.0	0.0	17.857	5.6	0.054	7.898	5.989	77.51
3.06	8.0	0.577	1.40	0.0	0.0	13.865	7.213	0.056	6.895	7.785	87.37
3.08	8.0	0.633	1.50	0.0	0.0	12.638	7.913	0.058	6.891	8.544	89.64
3.10	8.0	0.624	1.67	0.0	0.0	12.821	7.8	0.06	6.888	8.427	89.32
3.12	8.0	0.587	1.73	0.0	0.0	13.629	7.338	0.062	6.884	7.931	87.86
3.14	9.0	0.578	1.75	0.0	0.0	15.571	6.422	0.064	7.881	6.883	80.64
3.16	8.0	0.586	1.88	0.0	0.0	13.652	7.325	0.066	6.878	7.925	87.88
3.18	11.0	0.43	2.35	0.0	0.0	25.581	3.909	0.068	9.874	4.138	64.22
3.20	10.0	0.446	2.45	0.0	0.0	22.422	4.46	0.07	8.871	4.751	69.6
3.22	10.0	0.45	2.51	0.0	0.0	22.222	4.5	0.072	8.868	4.796	69.79
3.24	10.0	0.424	2.53	0.0	0.0	23.585	4.24	0.074	8.865	4.521	68.65
3.26	10.0	0.426	2.54	0.0	0.0	23.474	4.26	0.076	8.861	4.544	68.75
3.28	10.0	0.413	2.49	0.0	0.0	24.213	4.13	0.078	8.858	4.407	68.17
3.30	10.0	0.438	2.42	0.0	0.0	22.831	4.38	0.08	8.855	4.675	69.33
3.32	10.0	0.485	2.50	0.0	0.0	20.619	4.85	0.082	8.852	5.179	71.38
3.34	10.0	0.516	2.42	0.0	0.0	19.38	5.16	0.084	8.849	5.512	72.67
3.36	10.0	0.566	2.42	0.0	0.0	17.668	5.66	0.086	8.846	6.049	74.63
3.38	11.0	0.608	2.46	0.0	0.0	18.092	5.527	0.088	9.842	5.872	71.18
3.40	11.0	0.633	2.38	0.0	0.0	17.378	5.755	0.09	9.839	6.116	72.05
3.42	11.0	0.651	2.24	0.0	0.0	16.897	5.918	0.092	9.836	6.292	72.66
3.44	11.0	0.635	2.19	0.0	0.0	17.323	5.773	0.094	9.833	6.14	72.14
3.46	11.0	0.64	2.13	0.0	0.0	17.188	5.818	0.096	9.83	6.19	72.32
3.48	10.0	0.658	2.08	0.0	0.0	15.198	6.58	0.098	8.827	7.049	78.03
3.50	10.0	0.665	2.11	0.0	0.0	15.038	6.65	0.1	8.824	7.127	78.29
3.52	10.0	0.671	2.07	0.0	0.0	14.903	6.71	0.102	8.821	7.194	78.51
3.54	10.0	0.676	2.05	0.0	0.0	14.793	6.76	0.104	8.818	7.25	78.69
3.56	9.0	0.685	2.01	0.0	0.0	13.139	7.611	0.106	7.815	8.233	85.04
3.58	9.0	0.679	1.96	0.0	0.0	13.255	7.544	0.108	7.812	8.165	84.85
3.60	8.0	0.677	1.93	0.0	0.0	11.817	8.463	0.11	6.809	9.258	91.99
3.62	8.0	0.672	1.96	0.0	0.0	11.905	8.4	0.112	6.806	9.194	91.83

3.64	8.0	0.646	1.94	0.0	0.0	12.384	8.075	0.114	6.804	8.843	90.87
3.66	7.0	0.62	1.96	0.0	0.0	11.29	8.857	0.116	5.801	9.838	98.55
3.68	7.0	0.589	1.97	0.0	0.0	11.885	8.414	0.118	5.798	9.351	97.25
3.70	7.0	0.555	2.07	0.0	0.0	12.613	7.929	0.12	5.795	8.817	95.76
3.72	7.0	0.49	2.19	0.0	0.0	14.286	7.0	0.122	5.792	7.788	92.7
3.74	8.0	0.429	2.34	0.0	0.0	18.648	5.363	0.124	6.789	5.887	81.44
3.76	9.0	0.38	2.36	0.0	0.0	23.684	4.222	0.126	7.786	4.587	72.39
3.78	9.0	0.377	2.42	0.0	0.0	23.873	4.189	0.128	7.784	4.553	72.25
3.80	10.0	0.38	2.68	0.0	0.0	26.316	3.8	0.13	8.781	4.096	67.01
3.82	11.0	0.352	2.62	0.0	0.0	31.25	3.2	0.132	9.778	3.426	61.07
3.84	10.0	0.343	3.41	0.0	0.0	29.155	3.43	0.134	8.775	3.7	65.15
3.86	11.0	0.343	3.37	0.0	0.0	32.07	3.118	0.136	9.773	3.341	60.65
3.88	11.0	0.352	3.50	0.0	0.0	31.25	3.2	0.138	9.77	3.43	61.11
3.90	12.0	0.344	3.61	0.0	0.0	34.884	2.867	0.14	10.767	3.056	56.82
3.92	13.0	0.343	3.64	0.0	0.0	37.901	2.638	0.142	11.765	2.799	53.36
3.94	12.0	0.357	2.95	0.0	0.0	33.613	2.975	0.144	10.762	3.173	57.45
3.96	11.0	0.392	2.64	0.0	0.0	28.061	3.564	0.146	9.76	3.826	63.07
3.98	11.0	0.406	3.90	0.0	0.0	27.094	3.691	0.148	9.757	3.964	63.72
4.00	10.0	0.413	3.76	0.0	0.0	24.213	4.13	0.15	8.754	4.47	68.75
4.02	10.0	0.413	3.73	0.0	0.0	24.213	4.13	0.152	8.752	4.472	68.77
4.04	10.0	0.411	3.71	0.0	0.0	24.331	4.11	0.154	8.749	4.452	68.69
4.06	9.0	0.404	3.69	0.0	0.0	22.277	4.489	0.156	7.747	4.91	73.89
4.08	9.0	0.388	3.58	0.0	0.0	23.196	4.311	0.158	7.744	4.717	73.09
4.10	9.0	0.357	3.68	0.0	0.0	25.21	3.967	0.16	7.741	4.342	71.46
4.12	11.0	0.331	3.80	0.0	0.0	33.233	3.009	0.162	9.739	3.24	60.2
4.14	12.0	0.31	3.90	0.0	0.0	38.71	2.583	0.164	10.736	2.764	55.27
4.16	16.0	0.431	1.02	0.0	0.0	37.123	2.694	0.166	14.734	2.834	48.64
4.18	15.0	0.473	1.50	0.0	0.0	31.712	3.153	0.168	13.732	3.33	52.7
4.20	14.0	0.441	2.61	0.0	0.0	31.746	3.15	0.17	12.729	3.34	54.44
4.22	13.0	0.408	3.14	0.0	0.0	31.863	3.138	0.172	11.727	3.345	56.33
4.24	13.0	0.411	3.41	0.0	0.0	31.63	3.162	0.174	11.724	3.37	56.46
4.26	12.0	0.421	3.82	0.0	0.0	28.504	3.508	0.176	10.722	3.762	60.47
4.28	11.0	0.366	4.29	0.0	0.0	30.055	3.327	0.178	9.72	3.593	62.05
4.30	11.0	0.331	4.21	0.0	0.0	33.233	3.009	0.18	9.717	3.25	60.32
4.32	11.0	0.322	3.88	0.0	0.0	34.161	2.927	0.182	9.715	3.163	59.86
4.34	10.0	0.332	3.72	0.0	0.0	30.12	3.32	0.184	8.712	3.618	64.93
4.36	9.0	0.339	3.49	0.0	0.0	26.549	3.767	0.186	7.71	4.148	70.69
4.38	9.0	0.352	3.35	0.0	0.0	25.568	3.911	0.188	7.708	4.309	71.43
4.40	8.0	0.374	2.65	0.0	0.0	21.39	4.675	0.19	6.705	5.22	79.21
4.42	7.0	0.38	2.80	0.0	0.0	18.421	5.429	0.192	5.703	6.167	87.68
4.44	7.0	0.353	2.89	0.0	0.0	19.83	5.043	0.194	5.701	5.732	86.05
4.46	7.0	0.321	2.97	0.0	0.0	21.807	4.586	0.196	5.698	5.216	84
4.48	7.0	0.288	3.06	0.0	0.0	24.306	4.114	0.198	5.696	4.682	81.72
4.50	9.0	0.266	3.18	0.0	0.0	33.835	2.956	0.2	7.694	3.265	66.33
4.52	11.0	0.248	3.48	0.0	0.0	44.355	2.255	0.202	9.691	2.445	55.76
4.54	16.0	0.241	1.20	0.0	0.0	66.39	1.506	0.204	14.689	1.592	40.81
4.56	20.0	0.316	0.63	0.0	0.0	63.291	1.58	0.206	18.687	1.651	36.69
4.58	24.0	0.424	0.37	0.0	0.0	56.604	1.767	0.208	22.685	1.833	34.51
4.60	24.0	0.504	0.23	0.0	0.0	47.619	2.1	0.21	22.683	2.179	36.67
4.62	21.0	0.516	0.17	0.0	0.0	40.698	2.457	0.212	19.681	2.564	41.42
4.64	17.0	0.512	0.13	0.0	0.0	33.203	3.012	0.214	15.679	3.176	49.11
4.66	14.0	0.46	0.19	0.0	0.0	30.435	3.286	0.216	12.677	3.507	55.35
4.68	14.0	0.423	0.61	0.0	0.0	33.097	3.021	0.218	12.674	3.226	53.96
4.70	15.0	0.42	0.98	0.0	0.0	35.714	2.8	0.22	13.672	2.977	51
4.72	16.0	0.429	1.01	0.0	0.0	37.296	2.681	0.222	14.67	2.84	48.77
4.74	17.0	0.51	0.90	0.0	0.0	33.333	3.0	0.224	15.668	3.168	49.08
4.76	18.0	0.546	1.06	0.0	0.0	32.967	3.033	0.226	16.666	3.194	47.94
4.78	22.0	0.571	1.29	0.0	0.0	38.529	2.595	0.228	20.664	2.707	41.28
4.80	23.0	0.592	0.80	0.0	0.0	38.851	2.574	0.23	21.662	2.68	40.27
4.82	20.0	0.607	1.10	0.0	0.0	32.949	3.035	0.232	18.66	3.18	45.61
4.84	22.0	0.564	2.51	0.0	0.0	39.007	2.564	0.234	20.658	2.675	41.12
4.86	20.0	0.57	3.52	0.0	0.0	35.088	2.85	0.236	18.656	2.988	44.67
4.88	19.0	0.522	0.94	0.0	0.0	36.398	2.747	0.238	17.654	2.888	45.24
4.90	14.0	0.77	1.14	0.0	0.0	18.182	5.5	0.24	12.652	5.892	64.98
4.92	11.0	0.854	2.19	0.0	0.0	12.881	7.764	0.242	9.65	8.484	79.85
4.94	11.0	0.712	2.51	0.0	0.0	15.449	6.473	0.244	9.648	7.076	75.72
4.96	12.0	0.632	3.07	0.0	0.0	18.987	5.267	0.246	10.646	5.715	68.61
4.98	11.0	0.623	3.08	0.0	0.0	17.657	5.664	0.248	9.644	6.196	72.84
5.00	10.0	0.559	2.21	0.0	0.0	17.889	5.59	0.25	8.642	6.176	75.7
5.02	9.0	0.485	2.83	0.0	0.0	18.557	5.389	0.252	7.64	6.027	78.58

5.04	9.0	0.402	3.01	0.0	0.0	22.388	4.467	0.254	7.638	4.998	74.64
5.06	10.0	0.378	3.19	0.0	0.0	26.455	3.78	0.256	8.636	4.181	67.83
5.08	10.0	0.314	3.26	0.0	0.0	31.847	3.14	0.258	8.634	3.475	64.44
5.10	11.0	0.294	3.26	0.0	0.0	37.415	2.673	0.26	9.632	2.93	58.79
5.12	12.0	0.289	3.45	0.0	0.0	41.522	2.408	0.262	10.631	2.62	54.65
5.14	16.0	0.45	1.18	0.0	0.0	35.556	2.813	0.264	14.629	2.995	49.65
5.16	16.0	0.534	1.47	0.0	0.0	29.963	3.338	0.266	14.627	3.555	52.41
5.18	14.0	0.599	1.52	0.0	0.0	23.372	4.279	0.268	12.625	4.602	60.25
5.20	16.0	0.562	1.73	0.0	0.0	28.47	3.513	0.27	14.623	3.743	53.28
5.22	16.0	0.579	1.52	0.0	0.0	27.634	3.619	0.272	14.621	3.858	53.79
5.24	15.0	0.625	1.47	0.0	0.0	24.0	4.167	0.274	13.62	4.462	57.94
5.26	14.0	0.657	1.43	0.0	0.0	21.309	4.693	0.276	12.618	5.053	62.03
5.28	13.0	0.582	1.45	0.0	0.0	22.337	4.477	0.278	11.616	4.851	63.22
5.30	11.0	0.558	1.43	0.0	0.0	19.713	5.073	0.28	9.614	5.583	70.75
5.32	9.0	0.549	1.55	0.0	0.0	16.393	6.1	0.282	7.612	6.87	81.59
5.34	10.0	0.54	1.77	0.0	0.0	18.519	5.4	0.284	8.61	6.009	75.21
5.36	12.0	0.514	1.89	0.0	0.0	23.346	4.283	0.286	10.609	4.68	64.75
5.38	11.0	0.461	1.51	0.0	0.0	23.861	4.191	0.288	9.607	4.619	66.99
5.40	10.0	0.51	1.13	0.0	0.0	19.608	5.1	0.29	8.605	5.682	74.05
5.42	10.0	0.485	1.39	0.0	0.0	20.619	4.85	0.292	8.603	5.405	73.02
5.44	10.0	0.407	1.56	0.0	0.0	24.57	4.07	0.294	8.601	4.538	69.51
5.46	10.0	0.388	1.48	0.0	0.0	25.773	3.88	0.296	8.599	4.328	68.6
5.48	9.0	0.385	1.51	0.0	0.0	23.377	4.278	0.298	7.598	4.836	74.11
5.50	8.0	0.355	1.48	0.0	0.0	22.535	4.438	0.3	6.596	5.102	79.21
5.52	7.0	0.34	1.55	0.0	0.0	20.588	4.857	0.302	5.594	5.71	86.54
5.54	7.0	0.32	1.63	0.0	0.0	21.875	4.571	0.304	5.592	5.377	85.23
5.56	7.0	0.315	1.66	0.0	0.0	22.222	4.5	0.306	5.59	5.297	84.91
5.58	7.0	0.314	1.71	0.0	0.0	22.293	4.486	0.308	5.588	5.283	84.86
5.60	7.0	0.292	1.78	0.0	0.0	23.973	4.171	0.31	5.587	4.916	83.33
5.62	7.0	0.264	1.90	0.0	0.0	26.515	3.771	0.312	5.585	4.447	81.25
5.64	8.0	0.254	1.97	0.0	0.0	31.496	3.175	0.314	6.583	3.664	72.67
5.66	8.0	0.265	1.98	0.0	0.0	30.189	3.313	0.316	6.581	3.824	73.49
5.68	8.0	0.271	1.93	0.0	0.0	29.52	3.388	0.318	6.579	3.913	73.94
5.70	7.0	0.295	1.85	0.0	0.0	23.729	4.214	0.32	5.578	4.981	83.66
5.72	7.0	0.334	1.78	0.0	0.0	20.958	4.771	0.322	5.576	5.643	86.38
5.74	6.0	0.371	1.74	0.0	0.0	16.173	6.183	0.324	4.574	7.548	99.54
5.76	6.0	0.401	1.71	0.0	0.0	14.963	6.683	0.326	4.572	8.164	101.53
5.78	6.0	0.388	1.71	0.0	0.0	15.464	6.467	0.328	4.571	7.905	100.73
5.80	6.0	0.374	1.70	0.0	0.0	16.043	6.233	0.33	4.569	7.625	99.84
5.82	5.0	0.362	1.69	0.0	0.0	13.812	7.24	0.332	3.567	9.279	113.57
5.84	5.0	0.332	1.64	0.0	0.0	15.06	6.64	0.334	3.565	8.517	111.29
5.86	4.0	0.304	1.59	0.0	0.0	13.158	7.6	0.336	2.563	10.502	129.68
5.88	4.0	0.285	1.56	0.0	0.0	14.035	7.125	0.338	2.561	9.857	127.87
5.90	4.0	0.258	1.56	0.0	0.0	15.504	6.45	0.34	2.559	8.933	125.1
5.92	4.0	0.224	1.56	0.0	0.0	17.857	5.6	0.342	2.558	7.765	121.28
5.94	3.0	0.209	1.56	0.0	0.0	14.354	6.967	0.344	1.556	11.107	152.74
5.96	4.0	0.187	1.58	0.0	0.0	21.39	4.675	0.346	2.554	6.497	116.66
5.98	3.0	0.167	1.59	0.0	0.0	17.964	5.567	0.348	1.552	8.905	146.1
6.00	4.0	0.141	1.60	0.0	0.0	28.369	3.525	0.35	2.55	4.91	109.85
6.02	4.0	0.125	1.63	0.0	0.0	32.0	3.125	0.352	2.548	4.357	107.12
6.04	4.0	0.117	1.66	0.0	0.0	34.188	2.925	0.354	2.547	4.083	105.69
6.06	3.0	0.117	1.64	0.0	0.0	25.641	3.9	0.356	1.545	6.283	136.44
6.08	3.0	0.115	1.64	0.0	0.0	26.087	3.833	0.358	1.543	6.186	136.08
6.10	3.0	0.111	1.64	0.0	0.0	27.027	3.7	0.36	1.541	5.981	135.23
6.12	4.0	0.159	1.39	0.0	0.0	25.157	3.975	0.362	2.539	5.574	113.06
6.14	3.0	0.148	1.47	0.0	0.0	20.27	4.933	0.364	1.537	8.002	143.4
6.16	4.0	0.14	1.50	0.0	0.0	28.571	3.5	0.366	2.535	4.919	110.11
6.18	3.0	0.126	1.52	0.0	0.0	23.81	4.2	0.368	1.534	6.836	139.06
6.20	3.0	0.116	1.56	0.0	0.0	25.862	3.867	0.37	1.532	6.305	136.91
6.22	3.0	0.112	1.58	0.0	0.0	26.786	3.733	0.372	1.53	6.098	136.06
6.24	3.0	0.108	1.58	0.0	0.0	27.778	3.6	0.374	1.528	5.89	135.19
6.26	3.0	0.1	1.60	0.0	0.0	30.0	3.333	0.376	1.526	5.463	133.28
6.28	3.0	0.092	1.64	0.0	0.0	32.609	3.067	0.378	1.524	5.035	131.24
6.30	3.0	0.095	1.67	0.0	0.0	31.579	3.167	0.38	1.522	5.208	132.15
6.32	4.0	0.095	1.70	0.0	0.0	42.105	2.375	0.382	2.521	3.368	101.92
6.34	4.0	0.099	1.73	0.0	0.0	40.404	2.475	0.384	2.519	3.514	102.84
6.36	4.0	0.098	1.82	0.0	0.0	40.816	2.45	0.386	2.517	3.482	102.67
6.38	4.0	0.1	1.82	0.0	0.0	40.0	2.5	0.388	2.516	3.557	103.15
6.40	5.0	0.107	1.89	0.0	0.0	46.729	2.14	0.39	3.514	2.81	86.77
6.42	6.0	0.104	1.94	0.0	0.0	57.692	1.733	0.392	4.512	2.165	74.3

6.44	6.0	0.112	1.92	0.0	0.0	53.571	1.867	0.394	4.511	2.333	75.57
6.46	6.0	0.136	1.89	0.0	0.0	44.118	2.267	0.396	4.509	2.835	79.01
6.48	7.0	0.147	2.02	0.0	0.0	47.619	2.1	0.398	5.508	2.537	71.13
6.50	8.0	0.168	1.54	0.0	0.0	47.619	2.1	0.4	6.506	2.474	66.08
6.52	7.0	0.212	1.09	0.0	0.0	33.019	3.029	0.402	5.505	3.664	77.82
6.54	7.0	0.216	1.44	0.0	0.0	32.407	3.086	0.404	5.503	3.735	78.2
6.56	7.0	0.21	1.73	0.0	0.0	33.333	3.0	0.406	5.501	3.633	77.67
6.58	6.0	0.204	1.47	0.0	0.0	29.412	3.4	0.408	4.5	4.271	87.07
6.60	5.0	0.221	1.43	0.0	0.0	22.624	4.42	0.41	3.498	5.858	102.54
6.62	4.0	0.205	1.83	0.0	0.0	19.512	5.125	0.412	2.497	7.402	120.95
6.64	4.0	0.175	2.13	0.0	0.0	22.857	4.375	0.414	2.495	6.326	116.88
6.66	4.0	0.167	2.12	0.0	0.0	23.952	4.175	0.416	2.493	6.044	115.76
6.68	5.0	0.151	2.30	0.0	0.0	33.113	3.02	0.418	3.492	4.016	94.12
6.70	7.0	0.136	2.47	0.0	0.0	51.471	1.943	0.42	5.49	2.363	70.03
6.72	9.0	0.131	2.36	0.0	0.0	68.702	1.456	0.422	7.489	1.69	56.62
6.74	9.0	0.149	1.73	0.0	0.0	60.403	1.656	0.424	7.487	1.923	58.48
6.76	10.0	0.171	1.50	0.0	0.0	58.48	1.71	0.426	8.486	1.955	55.61
6.78	8.0	0.191	1.32	0.0	0.0	41.885	2.388	0.428	6.485	2.833	68.45
6.80	7.0	0.2	1.24	0.0	0.0	35.0	2.857	0.43	5.483	3.486	76.98
6.82	5.0	0.208	1.45	0.0	0.0	24.038	4.16	0.432	3.482	5.57	101.51
6.84	6.0	0.215	1.92	0.0	0.0	27.907	3.583	0.434	4.48	4.544	88.52
6.86	7.0	0.204	1.64	0.0	0.0	34.314	2.914	0.436	5.479	3.562	77.41
6.88	6.0	0.229	1.52	0.0	0.0	26.201	3.817	0.438	4.477	4.847	89.93
6.90	7.0	0.22	1.78	0.0	0.0	31.818	3.143	0.44	5.476	3.846	78.92
6.92	9.0	0.19	2.16	0.0	0.0	47.368	2.111	0.442	7.474	2.462	62.32
6.94	12.0	0.186	1.59	0.0	0.0	64.516	1.55	0.444	10.473	1.736	49.04
6.96	15.0	0.228	0.60	0.0	0.0	65.789	1.52	0.446	13.472	1.663	43.09
6.98	16.0	0.286	0.38	0.0	0.0	55.944	1.788	0.448	14.471	1.945	43.65
7.00	15.0	0.273	0.37	0.0	0.0	54.945	1.82	0.45	13.469	1.992	45.45
7.02	13.0	0.224	0.37	0.0	0.0	58.036	1.723	0.452	11.468	1.915	48.35
7.04	12.0	0.241	0.33	0.0	0.0	49.793	2.008	0.454	10.467	2.254	52.72
7.06	9.0	0.258	0.27	0.0	0.0	34.884	2.867	0.456	7.466	3.355	67.61
7.08	7.0	0.212	1.26	0.0	0.0	33.019	3.029	0.458	5.464	3.728	78.37
7.10	7.0	0.196	1.51	0.0	0.0	35.714	2.8	0.46	5.463	3.449	76.88
7.12	7.0	0.182	1.77	0.0	0.0	38.462	2.6	0.462	5.462	3.204	75.52
7.14	7.0	0.185	1.81	0.0	0.0	37.838	2.643	0.464	5.46	3.259	75.84
7.16	8.0	0.199	1.93	0.0	0.0	40.201	2.488	0.466	6.459	2.982	69.45
7.18	9.0	0.179	2.55	0.0	0.0	50.279	1.989	0.468	7.457	2.334	61.53
7.20	10.0	0.164	1.26	0.0	0.0	60.976	1.64	0.47	8.456	1.893	55.23
7.22	8.0	0.218	0.97	0.0	0.0	36.697	2.725	0.472	6.455	3.272	71.13
7.24	7.0	0.227	1.43	0.0	0.0	30.837	3.243	0.474	5.454	4.012	79.87
7.26	7.0	0.223	1.59	0.0	0.0	31.39	3.186	0.476	5.452	3.943	79.54
7.28	6.0	0.228	1.66	0.0	0.0	26.316	3.8	0.478	4.451	4.902	90.36
7.30	6.0	0.22	1.92	0.0	0.0	27.273	3.667	0.48	4.449	4.733	89.61
7.32	7.0	0.192	2.66	0.0	0.0	36.458	2.743	0.482	5.448	3.401	76.7
7.34	7.0	0.185	2.73	0.0	0.0	37.838	2.643	0.484	5.447	3.28	76.03
7.36	7.0	0.173	2.69	0.0	0.0	40.462	2.471	0.486	5.445	3.069	74.81
7.38	7.0	0.157	2.53	0.0	0.0	44.586	2.243	0.488	5.444	2.787	73.09
7.40	6.0	0.169	2.50	0.0	0.0	35.503	2.817	0.49	4.443	3.65	84.27
7.42	6.0	0.164	2.53	0.0	0.0	36.585	2.733	0.492	4.441	3.544	83.7
7.44	7.0	0.15	2.72	0.0	0.0	46.667	2.143	0.494	5.44	2.667	72.35
7.46	7.0	0.149	2.53	0.0	0.0	46.98	2.129	0.496	5.439	2.651	72.25
7.48	7.0	0.185	2.45	0.0	0.0	37.838	2.643	0.498	5.438	3.294	76.16
7.50	8.0	0.176	2.85	0.0	0.0	45.455	2.2	0.5	6.436	2.661	67.59
7.52	9.0	0.166	2.88	0.0	0.0	54.217	1.844	0.502	7.435	2.182	60.55
7.54	9.0	0.186	2.20	0.0	0.0	48.387	2.067	0.504	7.434	2.446	62.35
7.56	10.0	0.213	2.72	0.0	0.0	46.948	2.13	0.506	8.433	2.476	59.34
7.58	10.0	0.205	2.17	0.0	0.0	48.78	2.05	0.508	8.431	2.384	58.75
7.60	10.0	0.254	1.75	0.0	0.0	39.37	2.54	0.51	8.43	2.955	62.24
7.62	12.0	0.302	2.08	0.0	0.0	39.735	2.517	0.512	10.429	2.851	56.44
7.64	17.0	0.309	2.11	0.0	0.0	55.016	1.818	0.514	15.428	1.982	42.62
7.66	20.0	0.365	0.48	0.0	0.0	54.795	1.825	0.516	18.427	1.964	39.08
7.68	22.0	0.413	0.30	0.0	0.0	53.269	1.877	0.518	20.426	2.007	37.47
7.70	21.0	0.409	0.23	0.0	0.0	51.345	1.948	0.52	19.425	2.089	38.9
7.72	20.0	0.414	0.19	0.0	0.0	48.309	2.07	0.522	18.424	2.229	40.74
7.74	18.0	0.399	0.14	0.0	0.0	45.113	2.217	0.524	16.423	2.408	44.04
7.76	13.0	0.412	0.07	0.0	0.0	31.553	3.169	0.526	11.422	3.563	58.02
7.78	9.0	0.308	0.03	0.0	0.0	29.221	3.422	0.528	7.421	4.074	71.38
7.80	7.0	0.259	0.22	0.0	0.0	27.027	3.7	0.53	5.42	4.661	83.12
7.82	6.0	0.22	1.14	0.0	0.0	27.273	3.667	0.532	4.418	4.832	90.29

7.84	6.0	0.229	1.39	0.0	0.0	26.201	3.817	0.534	4.417	5.033	91.19
7.86	6.0	0.235	1.58	0.0	0.0	25.532	3.917	0.536	4.416	5.169	91.79
7.88	5.0	0.234	1.69	0.0	0.0	21.368	4.68	0.538	3.415	6.605	106.31
7.90	5.0	0.229	2.07	0.0	0.0	21.834	4.58	0.54	3.413	6.47	105.81
7.92	5.0	0.204	2.42	0.0	0.0	24.51	4.08	0.542	3.412	5.769	103.05
7.94	7.0	0.175	2.65	0.0	0.0	40.0	2.5	0.544	5.411	3.163	75.55
7.96	9.0	0.167	2.70	0.0	0.0	53.892	1.856	0.546	7.41	2.218	60.9
7.98	10.0	0.193	2.54	0.0	0.0	51.813	1.93	0.548	8.409	2.264	58.02
8.00	9.0	0.249	2.15	0.0	0.0	36.145	2.767	0.55	7.407	3.31	67.58
8.02	8.0	0.283	1.86	0.0	0.0	28.269	3.538	0.552	6.406	4.342	76.74
8.04	8.0	0.415	1.36	0.0	0.0	19.277	5.188	0.554	6.405	6.37	84.91
8.06	7.0	0.396	1.77	0.0	0.0	17.677	5.657	0.556	5.404	7.185	92.93
8.08	7.0	0.388	1.83	0.0	0.0	18.041	5.543	0.558	5.403	7.045	92.46
8.10	6.0	0.358	2.07	0.0	0.0	16.76	5.967	0.56	4.402	7.948	102.13
8.12	6.0	0.297	2.57	0.0	0.0	20.202	4.95	0.562	4.4	6.599	97.55
8.14	7.0	0.243	2.76	0.0	0.0	28.807	3.471	0.564	5.399	4.42	82.14
8.16	9.0	0.221	2.88	0.0	0.0	40.724	2.456	0.566	7.398	2.949	65.59
8.18	10.0	0.209	2.45	0.0	0.0	47.847	2.09	0.568	8.397	2.462	59.36
8.20	10.0	0.227	1.78	0.0	0.0	44.053	2.27	0.57	8.396	2.675	60.69
8.22	10.0	0.245	1.74	0.0	0.0	40.816	2.45	0.572	8.395	2.888	61.96
8.24	9.0	0.239	1.86	0.0	0.0	37.657	2.656	0.574	7.394	3.196	67
8.26	8.0	0.247	1.89	0.0	0.0	32.389	3.088	0.576	6.393	3.814	74.26
8.28	7.0	0.262	1.94	0.0	0.0	26.718	3.743	0.578	5.392	4.788	83.85
8.30	6.0	0.258	2.19	0.0	0.0	23.256	4.3	0.58	4.39	5.774	94.48
8.32	7.0	0.252	2.58	0.0	0.0	27.778	3.6	0.582	5.389	4.611	83.07
8.34	7.0	0.242	2.65	0.0	0.0	28.926	3.457	0.584	5.388	4.431	82.25
8.36	7.0	0.242	2.61	0.0	0.0	28.926	3.457	0.586	5.387	4.434	82.27
8.38	7.0	0.243	2.65	0.0	0.0	28.807	3.471	0.588	5.386	4.455	82.37
8.40	7.0	0.229	2.68	0.0	0.0	30.568	3.271	0.59	5.385	4.201	81.18
8.42	7.0	0.228	2.69	0.0	0.0	30.702	3.257	0.592	5.384	4.185	81.11
8.44	7.0	0.218	2.66	0.0	0.0	32.11	3.114	0.594	5.383	4.004	80.23
8.46	7.0	0.236	2.64	0.0	0.0	29.661	3.371	0.596	5.381	4.338	81.85
8.48	7.0	0.239	2.69	0.0	0.0	29.289	3.414	0.598	5.38	4.396	82.13
8.50	7.0	0.235	2.66	0.0	0.0	29.787	3.357	0.6	5.379	4.325	81.8
8.52	7.0	0.242	2.70	0.0	0.0	28.926	3.457	0.602	5.378	4.457	82.43
8.54	7.0	0.239	2.76	0.0	0.0	29.289	3.414	0.604	5.377	4.404	82.19
8.56	7.0	0.237	2.69	0.0	0.0	29.536	3.386	0.606	5.376	4.37	82.03
8.58	7.0	0.229	2.74	0.0	0.0	30.568	3.271	0.608	5.375	4.226	81.35
8.60	7.0	0.198	2.92	0.0	0.0	35.354	2.829	0.61	5.374	3.656	78.49
8.62	7.0	0.186	2.76	0.0	0.0	37.634	2.657	0.612	5.373	3.437	77.31
8.64	7.0	0.185	2.93	0.0	0.0	37.838	2.643	0.614	5.372	3.42	77.22
8.66	7.0	0.185	3.04	0.0	0.0	37.838	2.643	0.616	5.371	3.423	77.24
8.68	7.0	0.173	3.11	0.0	0.0	40.462	2.471	0.618	5.369	3.203	76
8.70	8.0	0.192	3.00	0.0	0.0	41.667	2.4	0.62	6.368	3.001	69.95
8.72	8.0	0.211	2.77	0.0	0.0	37.915	2.638	0.622	6.367	3.3	71.66
8.74	8.0	0.225	2.74	0.0	0.0	35.556	2.813	0.624	6.366	3.52	72.86
8.76	8.0	0.229	2.64	0.0	0.0	34.934	2.863	0.626	6.365	3.585	73.21
8.78	7.0	0.224	2.46	0.0	0.0	31.25	3.2	0.628	5.364	4.16	81.1
8.80	6.0	0.206	2.70	0.0	0.0	29.126	3.433	0.63	4.363	4.702	90.11
8.82	7.0	0.205	2.92	0.0	0.0	34.146	2.929	0.632	5.362	3.812	79.37
8.84	10.0	0.222	3.30	0.0	0.0	45.045	2.22	0.634	8.361	2.651	60.65
8.86	12.0	0.233	1.51	0.0	0.0	51.502	1.942	0.636	10.36	2.247	52.92
8.88	12.0	0.274	0.88	0.0	0.0	43.796	2.283	0.638	10.359	2.643	55.39
8.90	11.0	0.259	1.24	0.0	0.0	42.471	2.355	0.64	9.358	2.766	58.55
8.92	10.0	0.248	1.18	0.0	0.0	40.323	2.48	0.642	8.358	2.967	62.53
8.94	9.0	0.266	1.14	0.0	0.0	33.835	2.956	0.644	7.357	3.617	69.37
8.96	9.0	0.257	2.15	0.0	0.0	35.019	2.856	0.646	7.356	3.496	68.76
8.98	10.0	0.291	2.00	0.0	0.0	34.364	2.91	0.648	8.355	3.486	65.34
9.00	9.0	0.314	1.75	0.0	0.0	28.662	3.489	0.65	7.354	4.275	72.56
9.02	9.0	0.375	1.21	0.0	0.0	24.0	4.167	0.652	7.353	5.109	76.15
9.04	8.0	0.363	1.13	0.0	0.0	22.039	4.538	0.654	6.352	5.728	82.79
9.06	7.0	0.32	2.07	0.0	0.0	21.875	4.571	0.656	5.351	6.0	89.03
9.08	6.0	0.304	2.66	0.0	0.0	19.737	5.067	0.658	4.35	7.021	99.44
9.10	7.0	0.29	2.77	0.0	0.0	24.138	4.143	0.66	5.349	5.444	86.87
9.12	7.0	0.276	2.80	0.0	0.0	25.362	3.943	0.662	5.348	5.185	85.8
9.14	7.0	0.258	2.92	0.0	0.0	27.132	3.686	0.664	5.347	4.85	84.38
9.16	8.0	0.245	3.01	0.0	0.0	32.653	3.063	0.666	6.346	3.879	74.8
9.18	8.0	0.242	3.03	0.0	0.0	33.058	3.025	0.668	6.345	3.834	74.57
9.20	9.0	0.233	3.01	0.0	0.0	38.627	2.589	0.67	7.344	3.188	67.14
9.22	9.0	0.246	2.95	0.0	0.0	36.585	2.733	0.672	7.343	3.367	68.12

9.24	9.0	0.274	2.87	0.0	0.0	32.847	3.044	0.674	7.342	3.753	70.11
9.26	9.0	0.29	2.81	0.0	0.0	31.034	3.222	0.676	7.341	3.974	71.2
9.28	9.0	0.322	2.80	0.0	0.0	27.95	3.578	0.678	7.34	4.414	73.24
9.30	9.0	0.341	2.78	0.0	0.0	26.393	3.789	0.68	7.339	4.677	74.4
9.32	9.0	0.356	2.76	0.0	0.0	25.281	3.956	0.682	7.338	4.885	75.28
9.34	8.0	0.368	2.72	0.0	0.0	21.739	4.6	0.684	6.337	5.856	83.34
9.36	8.0	0.372	2.69	0.0	0.0	21.505	4.65	0.686	6.336	5.923	83.6
9.38	7.0	0.371	2.64	0.0	0.0	18.868	5.3	0.688	5.335	7.031	92.81
9.40	7.0	0.365	2.61	0.0	0.0	19.178	5.214	0.69	5.334	6.922	92.45
9.42	6.0	0.353	2.59	0.0	0.0	16.997	5.883	0.692	4.333	8.267	103.67
9.44	6.0	0.338	2.61	0.0	0.0	17.751	5.633	0.694	4.332	7.922	102.59
9.46	6.0	0.315	2.68	0.0	0.0	19.048	5.25	0.696	4.331	7.389	100.84
9.48	6.0	0.281	2.77	0.0	0.0	21.352	4.683	0.698	4.33	6.597	98.08
9.50	6.0	0.249	2.83	0.0	0.0	24.096	4.15	0.7	4.329	5.85	95.25
9.52	6.0	0.221	2.83	0.0	0.0	27.149	3.683	0.702	4.328	5.197	92.56
9.54	6.0	0.192	2.88	0.0	0.0	31.25	3.2	0.704	4.327	4.518	89.51
9.56	6.0	0.161	3.01	0.0	0.0	37.267	2.683	0.706	4.326	3.792	85.88
9.58	6.0	0.143	3.12	0.0	0.0	41.958	2.383	0.708	4.325	3.371	83.56
9.60	6.0	0.129	3.26	0.0	0.0	46.512	2.15	0.71	4.324	3.043	81.61
9.62	7.0	0.128	3.31	0.0	0.0	54.688	1.829	0.712	5.324	2.445	71.48
9.64	7.0	0.136	3.30	0.0	0.0	51.471	1.943	0.714	5.323	2.599	72.53
9.66	7.0	0.154	3.29	0.0	0.0	45.455	2.2	0.716	5.322	2.945	74.74
9.68	7.0	0.169	3.26	0.0	0.0	41.42	2.414	0.718	5.321	3.234	76.46
9.70	7.0	0.179	3.26	0.0	0.0	39.106	2.557	0.72	5.32	3.428	77.55
9.72	7.0	0.194	3.23	0.0	0.0	36.082	2.771	0.722	5.319	3.718	79.12
9.74	7.0	0.211	3.25	0.0	0.0	33.175	3.014	0.724	5.318	4.046	80.8
9.76	7.0	0.212	3.31	0.0	0.0	33.019	3.029	0.726	5.317	4.068	80.91
9.78	7.0	0.208	3.30	0.0	0.0	33.654	2.971	0.728	5.316	3.994	80.55
9.80	7.0	0.212	3.29	0.0	0.0	33.019	3.029	0.73	5.315	4.074	80.95
9.82	7.0	0.205	3.30	0.0	0.0	34.146	2.929	0.732	5.314	3.942	80.3
9.84	6.0	0.198	3.30	0.0	0.0	30.303	3.3	0.734	4.313	4.718	90.55
9.86	7.0	0.188	3.35	0.0	0.0	37.234	2.686	0.736	5.312	3.62	78.64
9.88	7.0	0.18	3.49	0.0	0.0	38.889	2.571	0.738	5.312	3.468	77.82
9.90	7.0	0.17	3.52	0.0	0.0	41.176	2.429	0.74	5.311	3.278	76.76
9.92	7.0	0.176	3.50	0.0	0.0	39.773	2.514	0.742	5.31	3.396	77.43
9.94	7.0	0.175	3.53	0.0	0.0	40.0	2.5	0.744	5.309	3.379	77.34
9.96	8.0	0.174	3.60	0.0	0.0	45.977	2.175	0.746	6.308	2.817	69.11
9.98	7.0	0.174	3.54	0.0	0.0	40.23	2.486	0.748	5.307	3.364	77.27
10.00	8.0	0.223	3.08	0.0	0.0	35.874	2.788	0.75	6.306	3.615	73.63
10.02	8.0	0.236	3.01	0.0	0.0	33.898	2.95	0.752	6.305	3.828	74.72
10.04	7.0	0.245	3.20	0.0	0.0	28.571	3.5	0.754	5.304	4.746	84.16
10.06	7.0	0.229	3.42	0.0	0.0	30.568	3.271	0.756	5.304	4.439	82.77
10.08	7.0	0.227	3.44	0.0	0.0	30.837	3.243	0.758	5.303	4.403	82.61
10.10	7.0	0.224	3.45	0.0	0.0	31.25	3.2	0.76	5.302	4.348	82.35
10.12	7.0	0.227	3.46	0.0	0.0	30.837	3.243	0.762	5.301	4.409	82.64
10.14	7.0	0.221	3.46	0.0	0.0	31.674	3.157	0.764	5.3	4.296	82.11
10.16	7.0	0.221	3.41	0.0	0.0	31.674	3.157	0.766	5.299	4.299	82.13
10.18	6.0	0.222	3.38	0.0	0.0	27.027	3.7	0.768	4.298	5.365	93.51
10.20	6.0	0.215	3.56	0.0	0.0	27.907	3.583	0.77	4.297	5.201	92.81
10.22	7.0	0.196	3.77	0.0	0.0	35.714	2.8	0.772	5.296	3.82	79.78
10.24	7.0	0.189	3.83	0.0	0.0	37.037	2.7	0.774	5.296	3.686	79.08
10.26	7.0	0.192	3.82	0.0	0.0	36.458	2.743	0.776	5.295	3.747	79.41
10.28	7.0	0.193	3.69	0.0	0.0	36.269	2.757	0.778	5.294	3.769	79.53
10.30	7.0	0.203	3.75	0.0	0.0	34.483	2.9	0.78	5.293	3.967	80.55
10.32	7.0	0.194	3.79	0.0	0.0	36.082	2.771	0.782	5.292	3.794	79.67
10.34	8.0	0.206	3.75	0.0	0.0	38.835	2.575	0.784	6.291	3.372	72.4
10.36	7.0	0.216	3.67	0.0	0.0	32.407	3.086	0.786	5.29	4.23	81.85
10.38	7.0	0.224	3.60	0.0	0.0	31.25	3.2	0.788	5.29	4.39	82.62
10.40	7.0	0.213	3.72	0.0	0.0	32.864	3.043	0.79	5.289	4.177	81.61
10.42	7.0	0.196	3.79	0.0	0.0	35.714	2.8	0.792	5.288	3.846	79.96
10.44	7.0	0.179	3.84	0.0	0.0	39.106	2.557	0.794	5.287	3.515	78.22
10.46	6.0	0.167	3.88	0.0	0.0	35.928	2.783	0.796	4.286	4.084	87.7
10.48	7.0	0.156	4.02	0.0	0.0	44.872	2.229	0.798	5.285	3.068	75.68
10.50	7.0	0.151	4.07	0.0	0.0	46.358	2.157	0.8	5.284	2.971	75.1
10.52	7.0	0.155	4.05	0.0	0.0	45.161	2.214	0.802	5.284	3.052	75.59
10.54	8.0	0.172	4.14	0.0	0.0	46.512	2.15	0.804	6.283	2.831	69.31
10.56	9.0	0.174	4.17	0.0	0.0	51.724	1.933	0.806	7.282	2.461	62.99
10.58	9.0	0.193	3.94	0.0	0.0	46.632	2.144	0.808	7.281	2.731	64.7
10.60	9.0	0.229	3.79	0.0	0.0	39.301	2.544	0.81	7.281	3.242	67.67
10.62	9.0	0.261	3.76	0.0	0.0	34.483	2.9	0.812	7.28	3.697	70.06

10.64	10.0	0.284	3.69	0.0	0.0	35.211	2.84	0.814	8.279	3.525	65.78
10.66	9.0	0.317	3.52	0.0	0.0	28.391	3.522	0.816	7.278	4.494	73.83
10.68	9.0	0.347	3.45	0.0	0.0	25.937	3.856	0.818	7.278	4.922	75.67
10.70	10.0	0.377	3.35	0.0	0.0	26.525	3.77	0.82	8.277	4.686	71.16
10.72	10.0	0.403	3.26	0.0	0.0	24.814	4.03	0.822	8.276	5.011	72.51
10.74	9.0	0.417	3.18	0.0	0.0	21.583	4.633	0.824	7.275	5.924	79.59
10.76	10.0	0.43	3.11	0.0	0.0	23.256	4.3	0.826	8.275	5.351	73.86
10.78	10.0	0.456	3.06	0.0	0.0	21.93	4.56	0.828	8.274	5.678	75.09
10.80	10.0	0.457	3.03	0.0	0.0	21.882	4.57	0.83	8.273	5.693	75.15
10.82	10.0	0.467	3.03	0.0	0.0	21.413	4.67	0.832	8.273	5.82	75.62
10.84	10.0	0.469	3.04	0.0	0.0	21.322	4.69	0.834	8.272	5.847	75.73
10.86	10.0	0.483	2.95	0.0	0.0	20.704	4.83	0.836	8.271	6.025	76.37
10.88	10.0	0.501	3.01	0.0	0.0	19.96	5.01	0.838	8.27	6.252	77.17
10.90	10.0	0.504	2.97	0.0	0.0	19.841	5.04	0.84	8.27	6.292	77.31
10.92	10.0	0.494	2.91	0.0	0.0	20.243	4.94	0.842	8.269	6.17	76.89
10.94	10.0	0.501	2.91	0.0	0.0	19.96	5.01	0.844	8.268	6.261	77.21
10.96	11.0	0.5	2.89	0.0	0.0	22.0	4.545	0.846	9.268	5.556	71.61
10.98	10.0	0.507	3.86	0.0	0.0	19.724	5.07	0.848	8.267	6.341	77.49
11.00	10.0	0.492	3.72	0.0	0.0	20.325	4.92	0.85	8.266	6.157	76.85
11.02	10.0	0.499	3.67	0.0	0.0	20.04	4.99	0.852	8.266	6.247	77.17
11.04	10.0	0.489	3.65	0.0	0.0	20.45	4.89	0.854	8.265	6.125	76.74
11.06	10.0	0.481	3.61	0.0	0.0	20.79	4.81	0.856	8.264	6.027	76.4
11.08	10.0	0.462	3.49	0.0	0.0	21.645	4.62	0.858	8.264	5.792	75.55
11.10	9.0	0.445	3.42	0.0	0.0	20.225	4.944	0.86	7.263	6.381	81.27
11.12	9.0	0.42	3.45	0.0	0.0	21.429	4.667	0.862	7.262	6.026	80.01
11.14	9.0	0.401	3.49	0.0	0.0	22.444	4.456	0.864	7.261	5.756	79.02
11.16	10.0	0.382	3.42	0.0	0.0	26.178	3.82	0.866	8.261	4.797	71.68
11.18	10.0	0.388	3.35	0.0	0.0	25.773	3.88	0.868	8.26	4.875	72
11.20	10.0	0.4	3.29	0.0	0.0	25.0	4.0	0.87	8.259	5.028	72.63
11.22	10.0	0.41	3.22	0.0	0.0	24.39	4.1	0.872	8.259	5.156	73.14
11.24	10.0	0.43	3.06	0.0	0.0	23.256	4.3	0.874	8.258	5.41	74.14
11.26	9.0	0.471	2.93	0.0	0.0	19.108	5.233	0.876	7.257	6.782	82.67
11.28	9.0	0.5	3.16	0.0	0.0	18.0	5.556	0.878	7.257	7.204	84.05
11.30	9.0	0.503	3.19	0.0	0.0	17.893	5.589	0.88	7.256	7.251	84.2
11.32	10.0	0.511	3.23	0.0	0.0	19.569	5.11	0.882	8.255	6.441	77.87
11.34	10.0	0.51	3.27	0.0	0.0	19.608	5.1	0.884	8.255	6.431	77.84
11.36	10.0	0.507	3.37	0.0	0.0	19.724	5.07	0.886	8.254	6.396	77.72
11.38	11.0	0.494	3.15	0.0	0.0	22.267	4.491	0.888	9.253	5.536	71.58
11.40	11.0	0.504	3.10	0.0	0.0	21.825	4.582	0.89	9.253	5.651	72
11.42	11.0	0.518	3.15	0.0	0.0	21.236	4.709	0.892	9.252	5.81	72.58
11.44	11.0	0.534	3.15	0.0	0.0	20.599	4.855	0.894	9.252	5.992	73.23
11.46	11.0	0.526	3.19	0.0	0.0	20.913	4.782	0.896	9.251	5.905	72.92
11.48	11.0	0.536	3.19	0.0	0.0	20.522	4.873	0.898	9.25	6.02	73.33
11.50	11.0	0.537	3.23	0.0	0.0	20.484	4.882	0.9	9.25	6.033	73.38
11.52	12.0	0.523	3.44	0.0	0.0	22.945	4.358	0.902	10.249	5.285	67.99
11.54	13.0	0.517	3.23	0.0	0.0	25.145	3.977	0.904	11.248	4.746	63.58
11.56	13.0	0.529	3.14	0.0	0.0	24.575	4.069	0.906	11.248	4.858	64.03
11.58	13.0	0.556	3.06	0.0	0.0	23.381	4.277	0.908	11.247	5.108	65
11.60	12.0	0.591	2.99	0.0	0.0	20.305	4.925	0.91	10.247	5.981	70.53
11.62	12.0	0.627	2.96	0.0	0.0	19.139	5.225	0.912	10.246	6.347	71.78
11.64	13.0	0.661	2.93	0.0	0.0	19.667	5.085	0.914	11.246	6.078	68.51
11.66	13.0	0.706	2.87	0.0	0.0	18.414	5.431	0.916	11.245	6.495	69.89
11.68	13.0	0.746	2.81	0.0	0.0	17.426	5.738	0.918	11.244	6.865	71.08
11.70	13.0	0.743	2.81	0.0	0.0	17.497	5.715	0.92	11.244	6.84	71
11.72	12.0	0.719	2.76	0.0	0.0	16.69	5.992	0.922	10.243	7.292	74.8
11.74	12.0	0.713	2.69	0.0	0.0	16.83	5.942	0.924	10.243	7.234	74.63
11.76	12.0	0.713	2.62	0.0	0.0	16.83	5.942	0.926	10.242	7.237	74.64
11.78	11.0	0.716	2.64	0.0	0.0	15.363	6.509	0.928	9.242	8.092	79.93
11.80	11.0	0.699	2.61	0.0	0.0	15.737	6.355	0.93	9.241	7.903	79.38
11.82	11.0	0.692	2.57	0.0	0.0	15.896	6.291	0.932	9.24	7.827	79.16
11.84	10.0	0.679	2.53	0.0	0.0	14.728	6.79	0.934	8.24	8.664	84.75
11.86	10.0	0.688	2.49	0.0	0.0	14.535	6.88	0.936	8.239	8.782	85.08
11.88	10.0	0.688	3.23	0.0	0.0	14.535	6.88	0.938	8.239	8.786	85.09
11.90	9.0	0.679	5.38	0.0	0.0	13.255	7.544	0.94	7.238	9.946	91.97
11.92	10.0	0.643	5.35	0.0	0.0	15.552	6.43	0.942	8.237	8.219	83.5
11.94	11.0	0.608	5.10	0.0	0.0	18.092	5.527	0.944	9.237	6.894	76.31
11.96	12.0	0.586	4.98	0.0	0.0	20.478	4.883	0.946	10.236	5.97	70.52
11.98	12.0	0.578	5.17	0.0	0.0	20.761	4.817	0.948	10.236	5.891	70.24
12.00	13.0	0.574	5.08	0.0	0.0	22.648	4.415	0.95	11.235	5.311	65.8
12.02	13.0	0.574	4.91	0.0	0.0	22.648	4.415	0.952	11.234	5.313	65.8

12.04	13.0	0.58	5.09	0.0	0.0	22.414	4.462	0.954	11.234	5.37	66.02
12.06	13.0	0.633	5.36	0.0	0.0	20.537	4.869	0.956	11.233	5.863	67.79
12.08	13.0	0.697	5.16	0.0	0.0	18.651	5.362	0.958	11.233	6.458	69.8
12.10	13.0	0.727	5.06	0.0	0.0	17.882	5.592	0.96	11.232	6.738	70.7
12.12	13.0	0.745	5.13	0.0	0.0	17.45	5.731	0.962	11.232	6.907	71.24
12.14	13.0	0.774	5.19	0.0	0.0	16.796	5.954	0.964	11.231	7.179	72.08
12.16	13.0	0.804	5.39	0.0	0.0	16.169	6.185	0.966	11.231	7.459	72.92
12.18	13.0	0.843	5.35	0.0	0.0	15.421	6.485	0.968	11.23	7.824	73.99
12.20	13.0	0.826	5.36	0.0	0.0	15.738	6.354	0.97	11.23	7.669	73.54
12.22	12.0	0.821	5.13	0.0	0.0	14.616	6.842	0.972	10.229	8.406	78.07
12.24	13.0	0.818	5.65	0.0	0.0	15.892	6.292	0.974	11.229	7.6	73.34
12.26	13.0	0.833	5.58	0.0	0.0	15.606	6.408	0.976	11.228	7.742	73.75
12.28	12.0	0.838	5.57	0.0	0.0	14.32	6.983	0.978	10.228	8.59	78.58
12.30	12.0	0.818	5.74	0.0	0.0	14.67	6.817	0.98	10.227	8.388	78.02
12.32	12.0	0.805	5.80	0.0	0.0	14.907	6.708	0.982	10.226	8.258	77.66
12.34	12.0	0.814	5.70	0.0	0.0	14.742	6.783	0.984	10.226	8.353	77.93
12.36	12.0	0.817	5.65	0.0	0.0	14.688	6.808	0.986	10.225	8.387	78.03
12.38	12.0	0.799	5.48	0.0	0.0	15.019	6.658	0.988	10.225	8.205	77.52
12.40	12.0	0.758	5.57	0.0	0.0	15.831	6.317	0.99	10.224	7.787	76.33
12.42	12.0	0.748	5.47	0.0	0.0	16.043	6.233	0.992	10.224	7.688	76.04
12.44	12.0	0.738	5.19	0.0	0.0	16.26	6.15	0.994	10.223	7.588	75.74
12.46	12.0	0.724	5.10	0.0	0.0	16.575	6.033	0.996	10.223	7.447	75.32
12.48	12.0	0.72	5.12	0.0	0.0	16.667	6.0	0.998	10.222	7.408	75.21
12.50	12.0	0.746	5.20	0.0	0.0	16.086	6.217	1.0	10.222	7.679	76.02
12.52	12.0	0.764	5.21	0.0	0.0	15.707	6.367	1.002	10.221	7.867	76.57
12.54	11.0	0.788	5.13	0.0	0.0	13.959	7.164	1.004	9.221	9.049	82.64
12.56	11.0	0.787	5.27	0.0	0.0	13.977	7.155	1.006	9.22	9.042	82.62
12.58	11.0	0.792	5.28	0.0	0.0	13.889	7.2	1.008	9.22	9.103	82.78
12.60	10.0	0.764	5.29	0.0	0.0	13.089	7.64	1.01	8.219	9.926	88.17
12.62	10.0	0.737	5.40	0.0	0.0	13.569	7.37	1.012	8.218	9.58	87.28
12.64	11.0	0.715	5.24	0.0	0.0	15.385	6.5	1.014	9.218	8.228	80.39
12.66	11.0	0.675	4.97	0.0	0.0	16.296	6.136	1.016	9.217	7.771	79.06
12.68	12.0	0.66	4.51	0.0	0.0	18.182	5.5	1.018	10.217	6.817	73.39
12.70	12.0	0.653	4.34	0.0	0.0	18.377	5.442	1.02	10.216	6.747	73.17
12.72	12.0	0.655	3.80	0.0	0.0	18.321	5.458	1.022	10.216	6.77	73.24
12.74	12.0	0.69	3.67	0.0	0.0	17.391	5.75	1.024	10.215	7.135	74.39
12.76	11.0	0.726	3.71	0.0	0.0	15.152	6.6	1.026	9.215	8.376	80.81
12.78	11.0	0.78	3.69	0.0	0.0	14.103	7.091	1.028	9.214	9.003	82.53
12.80	11.0	0.805	3.53	0.0	0.0	13.665	7.318	1.03	9.214	9.296	83.31
12.82	11.0	0.805	3.42	0.0	0.0	13.665	7.318	1.032	9.213	9.299	83.32
12.84	11.0	0.811	3.26	0.0	0.0	13.564	7.373	1.034	9.213	9.373	83.51
12.86	11.0	0.799	3.22	0.0	0.0	13.767	7.264	1.036	9.212	9.238	83.16
12.88	11.0	0.787	3.20	0.0	0.0	13.977	7.155	1.038	9.212	9.103	82.81
12.90	11.0	0.774	3.20	0.0	0.0	14.212	7.036	1.04	9.211	8.957	82.42
12.92	10.0	0.75	4.89	0.0	0.0	13.333	7.5	1.042	8.211	9.819	87.93
12.94	11.0	0.713	4.86	0.0	0.0	15.428	6.482	1.044	9.21	8.258	80.49
12.96	11.0	0.652	4.89	0.0	0.0	16.871	5.927	1.046	9.209	7.554	78.44
12.98	11.0	0.612	4.94	0.0	0.0	17.974	5.564	1.048	9.209	7.094	77.02
13.00	11.0	0.551	4.98	0.0	0.0	19.964	5.009	1.05	9.208	6.39	74.73
13.02	12.0	0.497	4.97	0.0	0.0	24.145	4.142	1.052	10.208	5.166	67.64
13.04	12.0	0.475	5.00	0.0	0.0	25.263	3.958	1.054	10.207	4.94	66.76
13.06	12.0	0.463	4.86	0.0	0.0	25.918	3.858	1.056	10.207	4.817	66.27
13.08	12.0	0.442	4.94	0.0	0.0	27.149	3.683	1.058	10.206	4.6	65.38
13.10	13.0	0.449	4.89	0.0	0.0	28.953	3.454	1.06	11.206	4.234	61.54
13.12	13.0	0.463	4.87	0.0	0.0	28.078	3.562	1.062	11.206	4.367	62.11
13.14	13.0	0.532	4.82	0.0	0.0	24.436	4.092	1.064	11.205	5.02	64.76
13.16	13.0	0.583	4.75	0.0	0.0	22.298	4.485	1.066	11.205	5.503	66.57
13.18	13.0	0.623	4.07	0.0	0.0	20.867	4.792	1.068	11.204	5.883	67.93
13.20	13.0	0.685	4.05	0.0	0.0	18.978	5.269	1.07	11.204	6.471	69.91
13.22	13.0	0.758	4.02	0.0	0.0	17.15	5.831	1.072	11.203	7.163	72.09
13.24	13.0	0.826	4.03	0.0	0.0	15.738	6.354	1.074	11.203	7.808	74
13.26	13.0	0.861	3.99	0.0	0.0	15.099	6.623	1.076	11.202	8.142	74.95
13.28	13.0	0.859	3.99	0.0	0.0	15.134	6.608	1.078	11.202	8.126	74.91
13.30	13.0	0.913	3.95	0.0	0.0	14.239	7.023	1.08	11.201	8.64	76.31
13.32	13.0	0.929	3.91	0.0	0.0	13.994	7.146	1.082	11.201	8.794	76.73
13.34	13.0	0.941	3.87	0.0	0.0	13.815	7.238	1.084	11.2	8.911	77.04
13.36	13.0	0.957	3.86	0.0	0.0	13.584	7.362	1.086	11.2	9.066	77.44
13.38	13.0	0.947	3.83	0.0	0.0	13.728	7.285	1.088	11.2	8.974	77.2
13.40	14.0	0.939	3.80	0.0	0.0	14.909	6.707	1.09	12.199	8.131	72.74
13.42	13.0	0.947	3.77	0.0	0.0	13.728	7.285	1.092	11.199	8.98	77.22

13.44	13.0	0.946	3.75	0.0	0.0	13.742	7.277	1.094	11.198	8.974	77.21
13.46	13.0	0.943	3.73	0.0	0.0	13.786	7.254	1.096	11.198	8.949	77.14
13.48	13.0	0.922	3.71	0.0	0.0	14.1	7.092	1.098	11.197	8.753	76.63
13.50	13.0	0.924	3.68	0.0	0.0	14.069	7.108	1.1	11.197	8.775	76.69
13.52	13.0	0.939	3.64	0.0	0.0	13.845	7.223	1.102	11.196	8.92	77.07
13.54	13.0	0.937	3.60	0.0	0.0	13.874	7.208	1.104	11.196	8.904	77.03
13.56	13.0	0.937	3.61	0.0	0.0	13.874	7.208	1.106	11.196	8.908	77.04
13.58	13.0	0.955	3.67	0.0	0.0	13.613	7.346	1.108	11.195	9.082	77.5
13.60	13.0	0.97	3.72	0.0	0.0	13.402	7.462	1.11	11.195	9.228	77.87
13.62	14.0	0.954	3.72	0.0	0.0	14.675	6.814	1.112	12.194	8.29	73.19
13.64	15.0	0.915	3.72	0.0	0.0	16.393	6.1	1.114	13.194	7.318	68.49
13.66	15.0	0.89	3.75	0.0	0.0	16.854	5.933	1.116	13.193	7.12	67.9
13.68	15.0	0.881	3.72	0.0	0.0	17.026	5.873	1.118	13.193	7.05	67.69
13.70	15.0	0.904	3.72	0.0	0.0	16.593	6.027	1.12	13.193	7.236	68.25
13.72	15.0	0.897	3.67	0.0	0.0	16.722	5.98	1.122	13.192	7.182	68.09
13.74	15.0	0.886	3.61	0.0	0.0	16.93	5.907	1.124	13.192	7.096	67.84
13.76	15.0	0.9	3.37	0.0	0.0	16.667	6.0	1.126	13.191	7.211	68.18
13.78	15.0	0.904	3.26	0.0	0.0	16.593	6.027	1.128	13.191	7.245	68.28
13.80	14.0	0.929	3.29	0.0	0.0	15.07	6.636	1.13	12.191	8.097	72.67
13.82	14.0	0.946	3.29	0.0	0.0	14.799	6.757	1.132	12.19	8.248	73.09
13.84	14.0	0.96	3.29	0.0	0.0	14.583	6.857	1.134	12.19	8.372	73.43
13.86	14.0	0.978	3.29	0.0	0.0	14.315	6.986	1.136	12.189	8.532	73.86
13.88	14.0	0.974	3.07	0.0	0.0	14.374	6.957	1.138	12.189	8.5	73.77
13.90	14.0	0.957	4.20	0.0	0.0	14.629	6.836	1.14	12.189	8.354	73.38
13.92	14.0	0.925	4.01	0.0	0.0	15.135	6.607	1.142	12.188	8.078	72.62
13.94	13.0	0.899	3.95	0.0	0.0	14.461	6.915	1.144	11.188	8.605	76.25
13.96	12.0	0.862	3.95	0.0	0.0	13.921	7.183	1.146	10.187	9.128	80.12
13.98	12.0	0.799	3.90	0.0	0.0	15.019	6.658	1.148	10.187	8.464	78.34
14.00	12.0	0.752	3.71	0.0	0.0	15.957	6.267	1.15	10.186	7.969	76.95
14.02	12.0	0.703	3.57	0.0	0.0	17.07	5.858	1.152	10.186	7.453	75.44
14.04	11.0	0.683	3.42	0.0	0.0	16.105	6.209	1.154	9.186	8.103	80.12
14.06	10.0	0.658	3.34	0.0	0.0	15.198	6.58	1.156	8.185	8.861	85.49
14.08	9.0	0.61	3.50	0.0	0.0	14.754	6.778	1.158	7.185	9.499	91.02
14.10	10.0	0.574	3.98	0.0	0.0	17.422	5.74	1.16	8.184	7.738	82.26
14.12	14.0	0.529	3.87	0.0	0.0	26.465	3.779	1.162	12.184	4.634	61.22
14.14	18.0	0.488	1.55	0.0	0.0	36.885	2.711	1.164	16.183	3.167	48.41
14.16	21.0	0.446	1.10	0.0	0.0	47.085	2.124	1.166	19.183	2.423	41.12
14.18	22.0	0.445	1.10	0.0	0.0	49.438	2.023	1.168	20.183	2.293	39.43
14.20	20.0	0.413	1.67	0.0	0.0	48.426	2.065	1.17	18.182	2.374	41.85
14.22	18.0	0.436	1.70	0.0	0.0	41.284	2.422	1.172	16.182	2.832	46.69
14.24	18.0	0.425	1.52	0.0	0.0	42.353	2.361	1.174	16.182	2.761	46.32
14.26	17.0	0.449	1.82	0.0	0.0	37.862	2.641	1.176	15.181	3.121	49.51
14.28	17.0	0.475	1.83	0.0	0.0	35.789	2.794	1.178	15.181	3.302	50.41
14.30	16.0	0.422	1.64	0.0	0.0	37.915	2.638	1.18	14.181	3.154	51.13
14.32	13.0	0.412	1.92	0.0	0.0	31.553	3.169	1.182	11.18	3.971	60.43
14.34	12.0	0.463	2.66	0.0	0.0	25.918	3.858	1.184	10.18	4.94	66.83
14.36	13.0	0.406	2.89	0.0	0.0	32.02	3.123	1.186	11.179	3.916	60.18
14.38	16.0	0.349	2.15	0.0	0.0	45.845	2.181	1.188	14.179	2.611	48.22
14.40	17.0	0.363	1.51	0.0	0.0	46.832	2.135	1.19	15.179	2.528	46.32
14.42	15.0	0.417	1.50	0.0	0.0	35.971	2.78	1.192	13.178	3.375	53.83
14.44	13.0	0.439	2.28	0.0	0.0	29.613	3.377	1.194	11.178	4.24	61.63
14.46	11.0	0.408	2.78	0.0	0.0	26.961	3.709	1.196	9.178	4.886	69.27
14.48	11.0	0.386	3.20	0.0	0.0	28.497	3.509	1.198	9.177	4.625	68.19
14.50	13.0	0.4	2.73	0.0	0.0	32.5	3.077	1.2	11.177	3.868	59.97
14.52	11.0	0.362	2.95	0.0	0.0	30.387	3.291	1.202	9.176	4.341	66.97
14.54	10.0	0.353	3.54	0.0	0.0	28.329	3.53	1.204	8.176	4.812	72.02
14.56	9.0	0.333	3.65	0.0	0.0	27.027	3.7	1.206	7.175	5.259	77.44
14.58	9.0	0.307	3.58	0.0	0.0	29.316	3.411	1.208	7.175	4.851	75.77
14.60	9.0	0.303	3.49	0.0	0.0	29.703	3.367	1.21	7.174	4.791	75.52
14.62	8.0	0.314	3.71	0.0	0.0	25.478	3.925	1.212	6.174	5.901	84.29
14.64	9.0	0.293	3.84	0.0	0.0	30.717	3.256	1.214	7.173	4.638	74.86
14.66	10.0	0.264	3.76	0.0	0.0	37.879	2.64	1.216	8.173	3.61	66.54
14.68	9.0	0.235	3.83	0.0	0.0	38.298	2.611	1.218	7.172	3.724	70.61
14.70	10.0	0.218	4.26	0.0	0.0	45.872	2.18	1.22	8.172	2.984	63.2
14.72	13.0	0.205	3.57	0.0	0.0	63.415	1.577	1.222	11.172	1.99	49.46
14.74	17.0	0.217	1.41	0.0	0.0	78.341	1.276	1.224	15.171	1.518	39.6
14.76	18.0	0.274	0.72	0.0	0.0	65.693	1.522	1.226	16.171	1.791	40.39
14.78	18.0	0.393	0.80	0.0	0.0	45.802	2.183	1.228	16.171	2.57	45.28
14.80	16.0	0.431	1.06	0.0	0.0	37.123	2.694	1.23	14.17	3.244	51.59
14.82	14.0	0.422	1.45	0.0	0.0	33.175	3.014	1.232	12.17	3.74	57.38

14.84	12.0	0.388	2.13	0.0	0.0	30.928	3.233	1.234	10.17	4.181	63.68
14.86	12.0	0.397	2.65	0.0	0.0	30.227	3.308	1.236	10.169	4.28	64.11
14.88	15.0	0.386	0.88	0.0	0.0	38.86	2.573	1.238	13.169	3.145	52.7
14.90	21.0	0.497	0.51	0.0	0.0	42.254	2.367	1.24	19.168	2.72	42.77
14.92	21.0	0.581	0.48	0.0	0.0	36.145	2.767	1.242	19.168	3.181	45.09
14.94	20.0	0.616	0.55	0.0	0.0	32.468	3.08	1.244	18.168	3.569	47.95
14.96	17.0	0.573	0.46	0.0	0.0	29.668	3.371	1.246	15.168	4.019	53.7
14.98	14.0	0.457	0.74	0.0	0.0	30.635	3.264	1.248	12.167	4.061	58.84
15.00	10.0	0.439	0.00	0.0	0.0	22.779	4.39	0.0	9.0	6.055	74.19

NATURA LITOLOGICA (Robertson 1986)

Profondità (m)	Litologia: Robertson 1986
0.02	Stima non eseguibile
0.04	Limi argillosi e Argille limose
0.06	Limi argillosi e Argille limose
0.08	Limi argillosi e Argille limose
0.10	Limi argillosi e Argille limose
0.12	Argille limose - Argille
0.14	Argille
0.16	Argille
0.18	Argille
0.20	Argille
0.22	Argille
0.24	Argille
0.26	Argille
0.28	Argille
0.30	Argille
0.32	Argille
0.34	Argille
0.36	Argille
0.38	Argille
0.40	Argille
0.42	Argille
0.44	Argille
0.46	Argille
0.48	Argille
0.50	Argille
0.52	Argille
0.54	Argille
0.56	Argille
0.58	Argille
0.60	Argille
0.62	Argille
0.64	Argille
0.66	Argille
0.68	Argille
0.70	Argille
0.72	Argille
0.74	Argille
0.76	Argille
0.78	Argille
0.80	Argille
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0.92	Argille limose - Argille
0.94	Limi argillosi e Argille limose
0.96	Limi argillosi e Argille limose
0.98	Limi sabbiosi e Limi argillosi
1.00	Limi sabbiosi e Limi argillosi
1.02	Sabbie limose - Limi argillosi
1.04	Sabbie limose - Limi argillosi
1.06	Sabbie - Sabbie limose
1.08	Sabbie - Sabbie limose
1.10	Sabbie - Sabbie limose
1.12	Sabbie - Sabbie limose
1.14	Sabbie - Sabbie limose

1.16	Sabbie limose - Limi argillosi
1.18	Sabbie limose - Limi argillosi
1.20	Sabbie limose - Limi argillosi
1.22	Sabbie limose - Limi argillosi
1.24	Sabbie limose - Limi argillosi
1.26	Sabbie limose - Limi argillosi
1.28	Limi sabbiosi e Limi argillosi
1.30	Limi sabbiosi e Limi argillosi
1.32	Limi argillosi e Argille limose
1.34	Limi argillosi e Argille limose
1.36	Limi argillosi e Argille limose
1.38	Limi argillosi e Argille limose
1.40	Limi argillosi e Argille limose
1.42	Limi argillosi e Argille limose
1.44	Argille limose - Argille
1.46	Limi argillosi e Argille limose
1.48	Limi argillosi e Argille limose
1.50	Limi argillosi e Argille limose
1.52	Limi sabbiosi e Limi argillosi
1.54	Limi sabbiosi e Limi argillosi
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1.58	Limi sabbiosi e Limi argillosi
1.60	Limi sabbiosi e Limi argillosi
1.62	Limi sabbiosi e Limi argillosi
1.64	Limi argillosi e Argille limose
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3.90	Argille limose - Argille
3.92	Limi argillosi e Argille limose
3.94	Argille limose - Argille

3.96	Argille limose - Argille
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4.60	Limi sabbiosi e Limi argillosi
4.62	Limi argillosi e Argille limose
4.64	Limi argillosi e Argille limose
4.66	Argille limose - Argille
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5.86	Materiali organici e torbosi
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10.56	Limi argillosi e Argille limose
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14.12	Argille limose - Argille
14.14	Limi argillosi e Argille limose
14.16	Limi sabbiosi e Limi argillosi
14.18	Limi sabbiosi e Limi argillosi
14.20	Limi sabbiosi e Limi argillosi
14.22	Limi argillosi e Argille limose
14.24	Limi argillosi e Argille limose
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14.76	Limi sabbiosi e Limi argillosi
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14.80	Limi argillosi e Argille limose
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14.84	Argille limose - Argille
14.86	Argille limose - Argille
14.88	Limi argillosi e Argille limose
14.90	Limi argillosi e Argille limose
14.92	Limi argillosi e Argille limose
14.94	Limi argillosi e Argille limose
14.96	Argille limose - Argille
14.98	Argille limose - Argille
15.00	Argille

STIMA PARAMETRI GEOTECNICI

Nr: Numero progressivo strato
 Prof: Profondità strato (m)

Tipo: C: Coesivo. I: Incoerente. CI: Coesivo-Incoerente
Cu: Coesione non drenata (Kg/cm²)
Eu: Modulo di deformazione non drenato (Kg/cm²)
Mo: Modulo Edometrico (Kg/cm²)
G: Modulo di deformazione a taglio (Kg/cm²)
OCR: Grado di sovraconsolidazione
Puv: Peso unità di volume (t/m³)
PuvS: Peso unità di volume saturo (t/m³)
Dr: Densità relativa (%)
Fi: Angolo di resistenza al taglio (°)
Ey: Modulo di Young (Kg/cm²)
Vs: Velocità onde di taglio (m/s)

Nr.	Prof.	Tipo	Cu	Eu	Mo	G	OCR	Puv	PuvS	Dr	Fi	Ey	Vs
1	0.02												
2	0.10	C	0.7	524.7	48.3	140.4	>9	1.9	2.0	--	--	--	106.16
3	0.92	C	0.9	649.0	46.7	160.4	>9	1.9	2.0	--	--	--	165.82
4	1.00	C	1.6	1174.2	63.0	230.5	>9	2.0	2.1	--	--	--	204.96
5	1.26	CI	3.0	2256.0	120.8	343.0	0.7	2.2	2.2	90.7	37.6	151.0	284.32
6	1.42	CI	2.4	1785.2	95.7	297.6	0.9	2.1	2.2	78.3	35.5	119.7	274.47
7	1.44	C	2.2	1601.7	86.0	278.7	>9	2.1	2.2	--	--	--	232.27
8	1.64	C	1.8	1304.6	70.2	246.2	>9	2.1	2.1	--	--	--	226.66
9	3.90	C	0.5	338.2	42.6	111.2	7.5	1.8	1.9	--	--	--	195.02
10	3.92	C	0.7	463.3	47.8	134.2	3.8	1.9	2.0	--	--	--	212.71
11	4.12	C	0.5	357.9	44.0	115.7	4.2	1.8	1.9	--	--	--	204.12
12	4.16	C	0.7	500.0	48.3	140.4	4.0	1.9	2.0	--	--	--	216.78
13	4.50	C	0.5	355.9	43.9	115.6	3.8	1.8	1.9	--	--	--	205.44
14	4.64	C	1.0	686.0	44.2	169.2	4.0	2.0	2.0	--	--	--	231.20
15	4.68	C	0.7	498.2	48.3	140.4	4.4	1.9	2.0	--	--	--	219.20
16	4.88	C	1.0	692.7	43.8	170.3	5.2	2.0	2.0	--	--	--	232.70
17	5.10	C	0.5	374.2	45.0	119.3	5.2	1.9	1.9	--	--	--	210.38
18	5.14	C	0.7	496.4	48.3	140.4	3.4	1.9	2.0	--	--	--	221.37
19	5.84	C	0.5	321.5	42.1	109.9	3.8	1.8	1.9	--	--	--	207.41
20	5.86	C	0.2	118.7	22.8	65.3	2.6	1.7	1.7	--	--	--	179.04
21	5.92	C	0.2	118.6	22.8	65.3	2.1	1.7	1.7	--	--	--	179.18
22	5.94	C	0.2	80.9	17.8	54.8	1.7	1.6	1.7	--	--	--	170.21
23	6.70	C	0.2	134.7	25.1	69.9	1.1	1.7	1.8	--	--	--	184.30
24	6.76	C	0.5	315.4	42.0	109.6	1.1	1.8	1.9	--	--	--	212.05
25	6.90	C	0.3	211.5	33.7	88.5	1.6	1.8	1.8	--	--	--	199.30
26	7.04	C	0.7	457.5	47.9	135.1	1.7	1.9	2.0	--	--	--	226.43
27	7.16	C	0.4	245.5	36.9	95.9	1.5	1.8	1.9	--	--	--	204.95
28	7.20	C	0.5	320.2	42.4	110.8	1.2	1.8	1.9	--	--	--	214.14
29	7.50	C	0.3	220.9	34.8	90.9	1.3	1.8	1.8	--	--	--	202.42
30	7.58	C	0.5	319.0	42.4	110.8	1.3	1.8	1.9	--	--	--	215.25
31	7.60	C	0.5	337.6	43.5	114.3	1.8	1.8	1.9	--	--	--	217.40
32	7.74	C	0.9	658.8	45.0	166.9	2.6	2.0	2.0	--	--	--	243.48
33	7.94	C	0.3	220.5	34.9	91.1	1.7	1.8	1.8	--	--	--	204.08
34	7.98	C	0.5	317.5	42.4	110.8	1.2	1.8	1.9	--	--	--	216.63
35	8.16	C	0.4	240.0	36.7	95.5	2.1	1.8	1.9	--	--	--	207.62
36	8.20	C	0.5	335.5	43.5	114.3	1.4	1.8	1.9	--	--	--	219.37
37	8.82	C	0.4	231.5	36.1	94.0	1.4	1.8	1.9	--	--	--	207.93
38	8.90	C	0.6	380.1	45.8	122.9	1.5	1.9	1.9	--	--	--	226.12
39	10.54	C	0.4	228.3	36.2	94.2	1.3	1.8	1.9	--	--	--	211.24
40	10.56	C	0.5	290.0	41.2	107.2	0.9	1.8	1.9	--	--	--	221.64
41	14.12	C	0.6	384.4	46.5	125.8	3.3	1.9	1.9	--	--	--	237.36
42	14.30	C	0.9	634.6	45.0	166.8	1.9	1.9	2.0	--	--	--	263.09
43	14.36	C	0.6	413.3	47.5	132.1	1.8	1.9	2.0	--	--	--	245.80
44	14.42	C	0.8	538.1	48.0	152.4	1.6	1.9	2.0	--	--	--	256.55
45	14.68	C	0.5	318.4	43.9	115.4	1.4	1.8	1.9	--	--	--	236.61
46	14.80	C	0.8	511.9	48.3	148.4	1.2	1.9	2.0	--	--	--	255.35
47	14.86	C	0.6	411.6	47.5	132.1	1.6	1.9	2.0	--	--	--	246.86
48	14.94	C	1.0	658.3	43.7	170.6	2.1	2.0	2.0	--	--	--	266.46
49	15.00	C	0.7	448.6	48.2	138.4	2.0	1.9	2.0	--	--	--	250.60

PROVA ... CPTU N°2

Committente: Comune di San Giovanni Persiceto
Strumento utilizzato: PAGANI 200 kN (CPTU)
Prova eseguita in data: 05/11/2017
Profondità prova: 15.00 mt

RESISTENZE / LITOLOGIE

Profondità	
qc	Resistenza punta (Kg/cm ²);
fs	Resistenza laterale (Kg/cm ²);
Tilt	Inclinazione (°)
Temp	Temperatura (°)
Fr	fs/qcx100 (Schmertmann)
qcn	qc normalizzata (Kg/cm ²);
fsn	fs normalizzato (Kg/cm ²);
U2	Pressione neutrale intorno al cono (Kg/cm ²);
Uo	Pressione neutrale rilevata (Kg/cm ²);
Fc	Contenuto in materiale fine(%)

Profondità	qc	fs	U2	Tilt	Temp	qc/fs	Fr	Uo	qcn	fsn	FC%
0.02	13.0	0.138	0.80	0.0	0.0	94.203	1.062	0.0	12.0	1.062	40.24
0.04	14.0	0.258	1.36	0.0	0.0	54.264	1.843	0.0	13.0	1.844	45.16
0.06	14.0	0.349	1.32	0.0	0.0	40.115	2.493	0.0	13.0	2.495	49.39
0.08	14.0	0.439	1.21	0.0	0.0	31.891	3.136	0.0	13.0	3.139	52.95
0.10	14.0	0.497	1.05	0.0	0.0	28.169	3.55	0.0	13.0	3.555	55.01
0.12	14.0	0.564	0.90	0.0	0.0	24.823	4.029	0.0	13.0	4.035	57.2
0.14	13.0	0.588	0.88	0.0	0.0	22.109	4.523	0.0	12.0	4.532	61.16
0.16	13.0	0.569	0.87	0.0	0.0	22.847	4.377	0.0	12.0	4.387	60.56
0.18	13.0	0.527	0.86	0.0	0.0	24.668	4.054	0.0	12.0	4.065	59.17
0.20	13.0	0.479	0.86	0.0	0.0	27.14	3.685	0.0	12.0	3.695	57.5
0.22	13.0	0.428	0.84	0.0	0.0	30.374	3.292	0.0	12.0	3.303	55.59
0.24	12.0	0.393	0.86	0.0	0.0	30.534	3.275	0.0	11.0	3.288	57.53
0.26	12.0	0.362	0.88	0.0	0.0	33.149	3.017	0.0	11.0	3.029	56.17
0.28	12.0	0.347	0.91	0.0	0.0	34.582	2.892	0.0	11.0	2.905	55.49
0.30	13.0	0.333	0.93	0.0	0.0	39.039	2.562	0.0	12.0	2.573	51.61
0.32	12.0	0.329	0.99	0.0	0.0	36.474	2.742	0.0	11.0	2.756	54.65
0.34	13.0	0.316	1.05	0.0	0.0	41.139	2.431	0.0	12.0	2.443	50.83
0.36	13.0	0.305	1.09	0.0	0.0	42.623	2.346	0.0	12.0	2.359	50.31
0.38	13.0	0.305	1.10	0.0	0.0	42.623	2.346	0.0	12.0	2.359	50.32
0.40	13.0	0.312	1.18	0.0	0.0	41.667	2.4	0.0	12.0	2.414	50.66
0.42	13.0	0.308	1.33	0.0	0.0	42.208	2.369	0.0	12.0	2.384	50.47
0.44	14.0	0.313	1.52	0.0	0.0	44.728	2.236	0.0	13.0	2.249	47.88
0.46	15.0	0.299	1.66	0.0	0.0	50.167	1.993	0.0	14.0	2.005	44.74
0.48	15.0	0.296	1.21	0.0	0.0	50.676	1.973	0.0	14.0	1.985	44.6
0.50	14.0	0.305	0.84	0.0	0.0	45.902	2.179	0.0	13.0	2.193	47.53
0.52	13.0	0.328	0.74	0.0	0.0	39.634	2.523	0.0	12.0	2.542	51.43
0.54	12.0	0.336	0.80	0.0	0.0	35.714	2.8	0.0	11.0	2.824	55.04
0.56	12.0	0.316	1.16	0.0	0.0	37.975	2.633	0.0	11.0	2.657	54.08
0.58	11.0	0.274	1.22	0.0	0.0	40.146	2.491	0.0	10.0	2.516	55.46
0.60	11.0	0.274	1.25	0.0	0.0	40.146	2.491	0.0	10.0	2.517	55.46
0.62	10.0	0.274	1.17	0.0	0.0	36.496	2.74	0.0	9.0	2.773	59.55
0.64	10.0	0.276	1.17	0.0	0.0	36.232	2.76	0.0	9.0	2.794	59.67
0.66	9.0	0.26	1.20	0.0	0.0	34.615	2.889	0.0	8.0	2.93	63.43
0.68	9.0	0.228	1.25	0.0	0.0	39.474	2.533	0.0	8.0	2.57	61.27
0.70	9.0	0.237	1.47	0.0	0.0	37.975	2.633	0.0	8.0	2.673	61.9
0.72	9.0	0.24	1.47	0.0	0.0	37.5	2.667	0.0	8.0	2.708	62.12
0.74	8.0	0.237	1.50	0.0	0.0	33.755	2.963	0.0	7.0	3.015	67.45
0.76	8.0	0.228	1.52	0.0	0.0	35.088	2.85	0.0	7.0	2.902	66.79
0.78	8.0	0.219	1.56	0.0	0.0	36.53	2.738	0.0	7.0	2.789	66.11
0.80	8.0	0.218	1.62	0.0	0.0	36.697	2.725	0.0	7.0	2.777	66.04
0.82	8.0	0.214	1.70	0.0	0.0	37.383	2.675	0.0	7.0	2.728	65.73
0.84	8.0	0.188	1.74	0.0	0.0	42.553	2.35	0.0	7.0	2.397	63.61
0.86	8.0	0.183	1.79	0.0	0.0	43.716	2.288	0.0	7.0	2.335	63.18
0.88	9.0	0.171	1.92	0.0	0.0	52.632	1.9	0.0	8.0	1.936	56.91
0.90	9.0	0.158	1.96	0.0	0.0	56.962	1.756	0.0	8.0	1.789	55.79
0.92	9.0	0.164	1.78	0.0	0.0	54.878	1.822	0.0	8.0	1.858	56.32
0.94	9.0	0.169	1.92	0.0	0.0	53.254	1.878	0.0	8.0	1.915	56.76
0.96	11.0	0.171	2.17	0.0	0.0	64.327	1.555	0.0	10.0	1.58	48.84
0.98	11.0	0.174	1.69	0.0	0.0	63.218	1.582	0.0	10.0	1.609	49.08
1.00	10.0	0.203	1.14	0.0	0.0	49.261	2.03	0.0	9.0	2.069	55.01
1.02	9.0	0.24	1.12	0.0	0.0	37.5	2.667	0.0	8.0	2.725	62.22

1.04	8.0	0.273	1.12	0.0	0.0	29.304	3.413	0.0	7.0	3.498	70.11
1.06	8.0	0.313	1.17	0.0	0.0	25.559	3.913	0.0	7.0	4.012	72.69
1.08	7.0	0.335	1.29	0.0	0.0	20.896	4.786	0.0	6.0	4.928	81.24
1.10	7.0	0.323	1.43	0.0	0.0	21.672	4.614	0.0	6.0	4.754	80.49
1.12	9.0	0.294	1.70	0.0	0.0	30.612	3.267	0.0	8.0	3.344	65.73
1.14	11.0	0.27	2.11	0.0	0.0	40.741	2.455	0.0	10.0	2.503	55.37
1.16	12.0	0.236	0.97	0.0	0.0	50.847	1.967	0.0	11.0	2.003	49.9
1.18	13.0	0.281	1.26	0.0	0.0	46.263	2.162	0.0	12.0	2.199	49.29
1.20	12.0	0.276	0.94	0.0	0.0	43.478	2.3	0.0	11.0	2.344	52.17
1.22	10.0	0.28	0.57	0.0	0.0	35.714	2.8	0.0	9.0	2.865	60.09
1.24	9.0	0.343	0.48	0.0	0.0	26.239	3.811	0.0	8.0	3.912	68.59
1.26	8.0	0.407	0.60	0.0	0.0	19.656	5.088	0.0	7.0	5.242	78.07
1.28	8.0	0.434	0.84	0.0	0.0	18.433	5.425	0.0	7.0	5.592	79.44
1.30	9.0	0.448	1.09	0.0	0.0	20.089	4.978	0.0	8.0	5.116	73.85
1.32	9.0	0.424	1.22	0.0	0.0	21.226	4.711	0.0	8.0	4.844	72.74
1.34	9.0	0.392	1.22	0.0	0.0	22.959	4.356	0.0	8.0	4.48	71.19
1.36	9.0	0.349	0.98	0.0	0.0	25.788	3.878	0.0	8.0	3.99	68.96
1.38	8.0	0.335	0.99	0.0	0.0	23.881	4.188	0.0	7.0	4.327	74.16
1.40	8.0	0.344	1.16	0.0	0.0	23.256	4.3	0.0	7.0	4.445	74.7
1.42	8.0	0.358	1.39	0.0	0.0	22.346	4.475	0.0	7.0	4.628	75.5
1.44	9.0	0.356	1.63	0.0	0.0	25.281	3.956	0.0	8.0	4.077	69.37
1.46	10.0	0.323	1.73	0.0	0.0	30.96	3.23	0.0	9.0	3.32	62.58
1.48	11.0	0.324	1.45	0.0	0.0	33.951	2.945	0.0	10.0	3.021	58.39
1.50	10.0	0.356	1.22	0.0	0.0	28.09	3.56	0.0	9.0	3.662	64.32
1.52	10.0	0.404	1.17	0.0	0.0	24.752	4.04	0.0	9.0	4.158	66.66
1.54	10.0	0.448	1.13	0.0	0.0	22.321	4.48	0.0	9.0	4.612	68.64
1.56	10.0	0.512	1.13	0.0	0.0	19.531	5.12	0.0	9.0	5.273	71.31
1.58	10.0	0.587	1.07	0.0	0.0	17.036	5.87	0.0	9.0	6.048	74.16
1.60	11.0	0.653	1.09	0.0	0.0	16.845	5.936	0.0	10.0	6.102	71.57
1.62	11.0	0.705	1.22	0.0	0.0	15.603	6.409	0.0	10.0	6.59	73.21
1.64	11.0	0.691	1.31	0.0	0.0	15.919	6.282	0.0	10.0	6.461	72.79
1.66	10.0	0.588	2.26	0.0	0.0	17.007	5.88	0.0	9.0	6.067	74.23
1.68	10.0	0.533	1.98	0.0	0.0	18.762	5.33	0.0	9.0	5.502	72.18
1.70	10.0	0.529	2.00	0.0	0.0	18.904	5.29	0.0	9.0	5.463	72.03
1.72	10.0	0.536	1.56	0.0	0.0	18.657	5.36	0.0	9.0	5.537	72.31
1.74	11.0	0.537	1.85	0.0	0.0	20.484	4.882	0.0	10.0	5.03	67.63
1.76	12.0	0.547	2.05	0.0	0.0	21.938	4.558	0.0	11.0	4.686	63.89
1.78	13.0	0.518	1.47	0.0	0.0	25.097	3.985	0.0	12.0	4.089	59.28
1.80	13.0	0.529	1.40	0.0	0.0	24.575	4.069	0.0	12.0	4.177	59.67
1.82	11.0	0.543	1.14	0.0	0.0	20.258	4.936	0.0	10.0	5.093	67.88
1.84	11.0	0.549	1.06	0.0	0.0	20.036	4.991	0.0	10.0	5.151	68.11
1.86	10.0	0.59	1.06	0.0	0.0	16.949	5.9	0.0	9.0	6.112	74.39
1.88	9.0	0.623	1.09	0.0	0.0	14.446	6.922	0.0	8.0	7.202	81.25
1.90	9.0	0.629	1.10	0.0	0.0	14.308	6.989	0.0	8.0	7.275	81.48
1.92	9.0	0.649	1.21	0.0	0.0	13.867	7.211	0.0	8.0	7.509	82.21
1.94	9.0	0.62	1.24	0.0	0.0	14.516	6.889	0.0	8.0	7.177	81.17
1.96	9.0	0.582	1.21	0.0	0.0	15.464	6.467	0.0	8.0	6.74	79.75
1.98	8.0	0.549	1.18	0.0	0.0	14.572	6.863	0.0	7.0	7.194	85.07
2.00	8.0	0.53	1.17	0.0	0.0	15.094	6.625	0.0	7.0	6.948	84.27
2.02	8.0	0.524	1.20	0.0	0.0	15.267	6.55	0.0	7.0	6.873	84.02
2.04	8.0	0.505	1.25	0.0	0.0	15.842	6.313	0.0	7.0	6.627	83.19
2.06	9.0	0.486	1.29	0.0	0.0	18.519	5.4	0.0	8.0	5.64	75.88
2.08	9.0	0.471	1.14	0.0	0.0	19.108	5.233	0.0	8.0	5.468	75.23
2.10	9.0	0.484	1.12	0.0	0.0	18.595	5.378	0.0	8.0	5.621	75.81
2.12	8.0	0.487	1.07	0.0	0.0	16.427	6.088	0.0	7.0	6.403	82.41
2.14	8.0	0.496	1.06	0.0	0.0	16.129	6.2	0.0	7.0	6.524	82.83
2.16	8.0	0.498	1.07	0.0	0.0	16.064	6.225	0.0	7.0	6.553	82.93
2.18	8.0	0.506	1.12	0.0	0.0	15.81	6.325	0.0	7.0	6.662	83.31
2.20	8.0	0.517	1.16	0.0	0.0	15.474	6.463	0.0	7.0	6.81	83.81
2.22	8.0	0.517	1.16	0.0	0.0	15.474	6.463	0.0	7.0	6.813	83.82
2.24	8.0	0.512	1.12	0.0	0.0	15.625	6.4	0.0	7.0	6.751	83.61
2.26	7.0	0.512	0.99	0.0	0.0	13.672	7.314	0.0	6.0	7.78	91.57
2.28	7.0	0.511	0.97	0.0	0.0	13.699	7.3	0.0	6.0	7.769	91.54
2.30	7.0	0.52	0.91	0.0	0.0	13.462	7.429	0.0	6.0	7.91	91.98
2.32	6.0	0.523	0.95	0.0	0.0	11.472	8.717	0.0	5.0	9.389	102.16
2.34	6.0	0.518	0.98	0.0	0.0	11.583	8.633	0.0	5.0	9.305	101.93
2.36	6.0	0.482	0.88	0.0	0.0	12.448	8.033	0.0	5.0	8.664	100.08
2.38	6.0	0.457	0.93	0.0	0.0	13.129	7.617	0.0	5.0	8.22	98.74
2.40	6.0	0.432	1.02	0.0	0.0	13.889	7.2	0.0	5.0	7.775	97.35
2.42	6.0	0.395	1.10	0.0	0.0	15.19	6.583	0.0	5.0	7.114	95.17

2.44	6.0	0.341	1.18	0.0	0.0	17.595	5.683	0.0	5.0	6.145	91.71
2.46	5.0	0.31	1.25	0.0	0.0	16.129	6.2	0.0	4.0	6.82	101.57
2.48	5.0	0.268	1.26	0.0	0.0	18.657	5.36	0.0	4.0	5.9	98.09
2.50	5.0	0.254	1.25	0.0	0.0	19.685	5.08	0.0	4.0	5.596	96.86
2.52	4.0	0.252	1.26	0.0	0.0	15.873	6.3	0.0	3.0	7.128	112.95
2.54	4.0	0.248	1.28	0.0	0.0	16.129	6.2	0.0	3.0	7.021	112.56
2.56	4.0	0.24	1.32	0.0	0.0	16.667	6.0	0.0	3.0	6.801	111.75
2.58	5.0	0.236	1.36	0.0	0.0	21.186	4.72	0.0	4.0	5.215	95.25
2.60	5.0	0.235	1.40	0.0	0.0	21.277	4.7	0.0	4.0	5.197	95.17
2.62	5.0	0.233	1.74	0.0	0.0	21.459	4.66	0.0	4.0	5.157	95
2.64	5.0	0.23	1.64	0.0	0.0	21.739	4.6	0.0	4.0	5.094	94.72
2.66	5.0	0.225	1.67	0.0	0.0	22.222	4.5	0.0	4.0	4.987	94.25
2.68	5.0	0.227	1.71	0.0	0.0	22.026	4.54	0.0	4.0	5.035	94.46
2.70	5.0	0.23	1.77	0.0	0.0	21.739	4.6	0.0	4.0	5.106	94.77
2.72	5.0	0.231	1.83	0.0	0.0	21.645	4.62	0.0	4.0	5.132	94.89
2.74	6.0	0.23	1.93	0.0	0.0	26.087	3.833	0.0	5.0	4.184	83.35
2.76	6.0	0.216	2.01	0.0	0.0	27.778	3.6	0.0	5.0	3.931	82.09
2.78	6.0	0.203	2.08	0.0	0.0	29.557	3.383	0.0	5.0	3.697	80.87
2.80	6.0	0.199	2.13	0.0	0.0	30.151	3.317	0.0	5.0	3.627	80.5
2.82	7.0	0.196	2.26	0.0	0.0	35.714	2.8	0.0	6.0	3.023	71.75
2.84	7.0	0.187	2.40	0.0	0.0	37.433	2.671	0.0	6.0	2.886	70.93
2.86	8.0	0.181	2.47	0.0	0.0	44.199	2.263	0.0	7.0	2.421	63.76
2.88	8.0	0.194	2.51	0.0	0.0	41.237	2.425	0.0	7.0	2.596	64.91
2.90	8.0	0.209	2.47	0.0	0.0	38.278	2.613	0.0	7.0	2.798	66.16
2.92	7.0	0.221	1.82	0.0	0.0	31.674	3.157	0.0	6.0	3.418	73.99
2.94	6.0	0.221	1.83	0.0	0.0	27.149	3.683	0.0	5.0	4.046	82.67
2.96	5.0	0.229	1.81	0.0	0.0	21.834	4.58	0.0	4.0	5.136	94.91
2.98	5.0	0.225	1.79	0.0	0.0	22.222	4.5	0.0	4.0	5.05	94.53
3.00	5.0	0.217	1.79	0.0	0.0	23.041	4.34	0.0	4.0	4.874	93.74
3.02	4.0	0.203	1.82	0.0	0.0	19.704	5.075	0.0	3.0	5.887	108.16
3.04	4.0	0.179	1.83	0.0	0.0	22.346	4.475	0.0	3.0	5.196	105.18
3.06	4.0	0.161	1.83	0.0	0.0	24.845	4.025	0.0	3.0	4.678	102.76
3.08	4.0	0.15	1.83	0.0	0.0	26.667	3.75	0.0	3.0	4.363	101.2
3.10	4.0	0.133	1.86	0.0	0.0	30.075	3.325	0.0	3.0	3.872	98.6
3.12	4.0	0.12	1.92	0.0	0.0	33.333	3.0	0.0	3.0	3.497	96.46
3.14	4.0	0.102	1.96	0.0	0.0	39.216	2.55	0.0	3.0	2.975	93.21
3.16	4.0	0.105	1.98	0.0	0.0	38.095	2.625	0.0	3.0	3.066	93.8
3.18	5.0	0.098	2.04	0.0	0.0	51.02	1.96	0.0	4.0	2.216	78.38
3.20	5.0	0.096	2.11	0.0	0.0	52.083	1.92	0.0	4.0	2.173	78.04
3.22	6.0	0.098	2.20	0.0	0.0	61.224	1.633	0.0	5.0	1.81	68.45
3.24	6.0	0.101	2.19	0.0	0.0	59.406	1.683	0.0	5.0	1.867	68.92
3.26	7.0	0.117	2.20	0.0	0.0	59.829	1.671	0.0	6.0	1.826	63.51
3.28	7.0	0.121	2.30	0.0	0.0	57.851	1.729	0.0	6.0	1.889	64.02
3.30	7.0	0.124	2.32	0.0	0.0	56.452	1.771	0.0	6.0	1.937	64.4
3.32	6.0	0.137	2.32	0.0	0.0	43.796	2.283	0.0	5.0	2.539	73.95
3.34	6.0	0.155	2.36	0.0	0.0	38.71	2.583	0.0	5.0	2.874	76.13
3.36	7.0	0.161	2.49	0.0	0.0	43.478	2.3	0.0	6.0	2.52	68.6
3.38	7.0	0.167	2.59	0.0	0.0	41.916	2.386	0.0	6.0	2.615	69.23
3.40	7.0	0.168	2.69	0.0	0.0	41.667	2.4	0.0	6.0	2.632	69.34
3.42	7.0	0.17	2.80	0.0	0.0	41.176	2.429	0.0	6.0	2.665	69.55
3.44	7.0	0.17	2.76	0.0	0.0	41.176	2.429	0.0	6.0	2.666	69.56
3.46	7.0	0.173	2.80	0.0	0.0	40.462	2.471	0.0	6.0	2.715	69.87
3.48	7.0	0.173	2.91	0.0	0.0	40.462	2.471	0.0	6.0	2.717	69.88
3.50	8.0	0.166	3.00	0.0	0.0	48.193	2.075	0.0	7.0	2.254	62.63
3.52	8.0	0.176	3.22	0.0	0.0	45.455	2.2	0.0	7.0	2.391	63.56
3.54	9.0	0.175	3.44	0.0	0.0	51.429	1.944	0.0	8.0	2.094	58.08
3.56	10.0	0.182	3.42	0.0	0.0	54.945	1.82	0.0	9.0	1.946	54.13
3.58	10.0	0.199	3.46	0.0	0.0	50.251	1.99	0.0	9.0	2.128	55.43
3.60	12.0	0.257	3.26	0.0	0.0	46.693	2.142	0.0	11.0	2.265	51.66
3.62	12.0	0.291	3.48	0.0	0.0	41.237	2.425	0.0	11.0	2.566	53.54
3.64	12.0	0.311	3.65	0.0	0.0	38.585	2.592	0.0	11.0	2.743	54.58
3.66	13.0	0.333	3.71	0.0	0.0	39.039	2.562	0.0	12.0	2.7	52.35
3.68	14.0	0.362	3.67	0.0	0.0	38.674	2.586	0.0	13.0	2.715	50.67
3.70	14.0	0.408	3.80	0.0	0.0	34.314	2.914	0.0	13.0	3.061	52.55
3.72	15.0	0.434	3.87	0.0	0.0	34.562	2.893	0.0	14.0	3.03	50.77
3.74	15.0	0.461	3.87	0.0	0.0	32.538	3.073	0.0	14.0	3.219	51.73
3.76	14.0	0.499	3.77	0.0	0.0	28.056	3.564	0.0	13.0	3.747	55.91
3.78	14.0	0.518	3.64	0.0	0.0	27.027	3.7	0.0	13.0	3.891	56.56
3.80	13.0	0.551	3.49	0.0	0.0	23.593	4.238	0.0	12.0	4.477	60.93
3.82	12.0	0.574	3.53	0.0	0.0	20.906	4.783	0.0	11.0	5.078	65.43

3.84	12.0	0.562	3.52	0.0	0.0	21.352	4.683	0.0	11.0	4.973	65.03
3.86	11.0	0.559	3.46	0.0	0.0	19.678	5.082	0.0	10.0	5.429	69.16
3.88	11.0	0.551	3.42	0.0	0.0	19.964	5.009	0.0	10.0	5.353	68.88
3.90	10.0	0.517	3.38	0.0	0.0	19.342	5.17	0.0	9.0	5.565	72.42
3.92	10.0	0.482	3.10	0.0	0.0	20.747	4.82	0.0	9.0	5.191	70.99
3.94	10.0	0.457	3.10	0.0	0.0	21.882	4.57	0.0	9.0	4.923	69.93
3.96	10.0	0.439	3.16	0.0	0.0	22.779	4.39	0.0	9.0	4.731	69.14
3.98	11.0	0.429	3.33	0.0	0.0	25.641	3.9	0.0	10.0	4.175	64.07
4.00	11.0	0.384	3.22	0.0	0.0	28.646	3.491	0.0	10.0	3.739	62.06
4.02	10.0	0.377	3.25	0.0	0.0	26.525	3.77	0.0	9.0	4.068	66.25
4.04	10.0	0.353	3.20	0.0	0.0	28.329	3.53	0.0	9.0	3.81	65.04
4.06	10.0	0.323	3.50	0.0	0.0	30.96	3.23	0.0	9.0	3.488	63.45
4.08	10.0	0.292	3.61	0.0	0.0	34.247	2.92	0.0	9.0	3.155	61.7
4.10	10.0	0.276	3.64	0.0	0.0	36.232	2.76	0.0	9.0	2.983	60.75
4.12	10.0	0.296	3.67	0.0	0.0	33.784	2.96	0.0	9.0	3.2	61.95
4.14	10.0	0.31	3.67	0.0	0.0	32.258	3.1	0.0	9.0	3.353	62.76
4.16	10.0	0.313	3.48	0.0	0.0	31.949	3.13	0.0	9.0	3.387	62.93
4.18	9.0	0.329	3.41	0.0	0.0	27.356	3.656	0.0	8.0	3.994	68.98
4.20	8.0	0.319	3.39	0.0	0.0	25.078	3.988	0.0	7.0	4.409	74.54
4.22	9.0	0.314	2.76	0.0	0.0	28.662	3.489	0.0	8.0	3.815	68.12
4.24	9.0	0.31	2.84	0.0	0.0	29.032	3.444	0.0	8.0	3.768	67.89
4.26	10.0	0.317	2.96	0.0	0.0	31.546	3.17	0.0	9.0	3.437	63.19
4.28	10.0	0.309	2.04	0.0	0.0	32.362	3.09	0.0	9.0	3.351	62.75
4.30	11.0	0.317	2.16	0.0	0.0	34.7	2.882	0.0	10.0	3.103	58.83
4.32	12.0	0.298	2.28	0.0	0.0	40.268	2.483	0.0	11.0	2.658	54.08
4.34	13.0	0.308	1.45	0.0	0.0	42.208	2.369	0.0	12.0	2.523	51.32
4.36	12.0	0.344	1.16	0.0	0.0	34.884	2.867	0.0	11.0	3.07	56.39
4.38	11.0	0.329	1.10	0.0	0.0	33.435	2.991	0.0	10.0	3.225	59.48
4.40	9.0	0.317	1.37	0.0	0.0	28.391	3.522	0.0	8.0	3.867	68.37
4.42	8.0	0.29	2.15	0.0	0.0	27.586	3.625	0.0	7.0	4.031	72.78
4.44	8.0	0.259	2.72	0.0	0.0	30.888	3.238	0.0	7.0	3.602	70.65
4.46	8.0	0.223	3.04	0.0	0.0	35.874	2.788	0.0	7.0	3.103	67.95
4.48	9.0	0.208	3.20	0.0	0.0	43.269	2.311	0.0	8.0	2.542	61.09
4.50	9.0	0.199	3.22	0.0	0.0	45.226	2.211	0.0	8.0	2.433	60.39
4.52	9.0	0.204	2.89	0.0	0.0	44.118	2.267	0.0	8.0	2.495	60.79
4.54	8.0	0.218	2.85	0.0	0.0	36.697	2.725	0.0	7.0	3.04	67.59
4.56	8.0	0.273	2.13	0.0	0.0	29.304	3.413	0.0	7.0	3.808	71.7
4.58	8.0	0.302	2.21	0.0	0.0	26.49	3.775	0.0	7.0	4.215	73.65
4.60	7.0	0.297	2.28	0.0	0.0	23.569	4.243	0.0	6.0	4.82	80.78
4.62	8.0	0.291	2.36	0.0	0.0	27.491	3.638	0.0	7.0	4.065	72.94
4.64	8.0	0.288	2.46	0.0	0.0	27.778	3.6	0.0	7.0	4.026	72.75
4.66	7.0	0.276	2.50	0.0	0.0	25.362	3.943	0.0	6.0	4.487	79.3
4.68	8.0	0.265	2.58	0.0	0.0	30.189	3.313	0.0	7.0	3.708	71.19
4.70	8.0	0.229	2.73	0.0	0.0	34.934	2.863	0.0	7.0	3.206	68.53
4.72	8.0	0.203	2.84	0.0	0.0	39.409	2.538	0.0	7.0	2.843	66.44
4.74	9.0	0.199	3.04	0.0	0.0	45.226	2.211	0.0	8.0	2.446	60.47
4.76	10.0	0.203	3.14	0.0	0.0	49.261	2.03	0.0	9.0	2.223	56.08
4.78	9.0	0.215	3.03	0.0	0.0	41.86	2.389	0.0	8.0	2.645	61.73
4.80	9.0	0.249	2.77	0.0	0.0	36.145	2.767	0.0	8.0	3.065	64.2
4.82	8.0	0.283	2.61	0.0	0.0	28.269	3.538	0.0	7.0	3.974	72.51
4.84	8.0	0.333	2.55	0.0	0.0	24.024	4.163	0.0	7.0	4.678	75.72
4.86	7.0	0.357	2.47	0.0	0.0	19.608	5.1	0.0	6.0	5.839	84.91
4.88	7.0	0.362	2.47	0.0	0.0	19.337	5.171	0.0	6.0	5.924	85.23
4.90	6.0	0.358	2.50	0.0	0.0	16.76	5.967	0.0	5.0	7.009	94.82
4.92	6.0	0.319	2.65	0.0	0.0	18.809	5.317	0.0	5.0	6.25	92.11
4.94	7.0	0.28	2.81	0.0	0.0	25.0	4.0	0.0	6.0	4.59	79.77
4.96	7.0	0.237	3.00	0.0	0.0	29.536	3.386	0.0	6.0	3.887	76.44
4.98	8.0	0.198	3.12	0.0	0.0	40.404	2.475	0.0	7.0	2.791	66.12
5.00	7.0	0.179	3.14	0.0	0.0	39.106	2.557	0.0	6.0	2.939	71.25
5.02	7.0	0.182	3.01	0.0	0.0	38.462	2.6	0.0	6.0	2.99	71.56
5.04	6.0	0.184	3.00	0.0	0.0	32.609	3.067	0.0	5.0	3.62	80.46
5.06	7.0	0.187	3.07	0.0	0.0	37.433	2.671	0.0	6.0	3.076	72.07
5.08	7.0	0.18	3.31	0.0	0.0	38.889	2.571	0.0	6.0	2.963	71.39
5.10	8.0	0.18	3.46	0.0	0.0	44.444	2.25	0.0	7.0	2.545	64.58
5.12	9.0	0.187	3.67	0.0	0.0	48.128	2.078	0.0	8.0	2.318	59.63
5.14	10.0	0.199	2.80	0.0	0.0	50.251	1.99	0.0	9.0	2.195	55.89
5.16	9.0	0.212	1.89	0.0	0.0	42.453	2.356	0.0	8.0	2.63	61.64
5.18	8.0	0.248	2.27	0.0	0.0	32.258	3.1	0.0	7.0	3.514	70.19
5.20	8.0	0.247	3.04	0.0	0.0	32.389	3.088	0.0	7.0	3.502	70.13
5.22	9.0	0.216	3.44	0.0	0.0	41.667	2.4	0.0	8.0	2.683	61.97

5.24	10.0	0.218	3.49	0.0	0.0	45.872	2.18	0.0	9.0	2.41	57.31
5.26	10.0	0.247	3.49	0.0	0.0	40.486	2.47	0.0	9.0	2.731	59.3
5.28	11.0	0.284	3.45	0.0	0.0	38.732	2.582	0.0	10.0	2.829	57.31
5.30	10.0	0.304	3.25	0.0	0.0	32.895	3.04	0.0	9.0	3.365	62.82
5.32	10.0	0.353	3.11	0.0	0.0	28.329	3.53	0.0	9.0	3.908	65.51
5.34	10.0	0.388	3.11	0.0	0.0	25.773	3.88	0.0	9.0	4.298	67.28
5.36	10.0	0.42	3.16	0.0	0.0	23.81	4.2	0.0	9.0	4.654	68.82
5.38	10.0	0.442	3.06	0.0	0.0	22.624	4.42	0.0	9.0	4.9	69.83
5.40	10.0	0.445	3.06	0.0	0.0	22.472	4.45	0.0	9.0	4.935	69.97
5.42	10.0	0.457	3.04	0.0	0.0	21.882	4.57	0.0	9.0	5.07	70.51
5.44	10.0	0.456	3.06	0.0	0.0	21.93	4.56	0.0	9.0	5.061	70.48
5.46	10.0	0.432	3.08	0.0	0.0	23.148	4.32	0.0	9.0	4.797	69.41
5.48	10.0	0.419	3.06	0.0	0.0	23.866	4.19	0.0	9.0	4.654	68.82
5.50	10.0	0.425	3.00	0.0	0.0	23.529	4.25	0.0	9.0	4.723	69.1
5.52	10.0	0.433	2.97	0.0	0.0	23.095	4.33	0.0	9.0	4.814	69.48
5.54	10.0	0.391	2.78	0.0	0.0	25.575	3.91	0.0	9.0	4.349	67.51
5.56	9.0	0.395	2.74	0.0	0.0	22.785	4.389	0.0	8.0	4.945	73.16
5.58	9.0	0.394	2.66	0.0	0.0	22.843	4.378	0.0	8.0	4.935	73.11
5.60	8.0	0.395	2.64	0.0	0.0	20.253	4.938	0.0	7.0	5.659	79.7
5.62	7.0	0.382	2.62	0.0	0.0	18.325	5.457	0.0	6.0	6.391	86.95
5.64	7.0	0.362	2.78	0.0	0.0	19.337	5.171	0.0	6.0	6.06	85.74
5.66	7.0	0.323	2.92	0.0	0.0	21.672	4.614	0.0	6.0	5.411	83.24
5.68	8.0	0.283	3.03	0.0	0.0	28.269	3.538	0.0	7.0	4.062	72.93
5.70	8.0	0.253	3.18	0.0	0.0	31.621	3.163	0.0	7.0	3.634	70.81
5.72	8.0	0.234	3.34	0.0	0.0	34.188	2.925	0.0	7.0	3.363	69.39
5.74	8.0	0.217	3.25	0.0	0.0	36.866	2.713	0.0	7.0	3.12	68.05
5.76	8.0	0.211	3.11	0.0	0.0	37.915	2.638	0.0	7.0	3.035	67.57
5.78	7.0	0.216	3.18	0.0	0.0	32.407	3.086	0.0	6.0	3.631	75.13
5.80	8.0	0.221	3.25	0.0	0.0	36.199	2.763	0.0	7.0	3.182	68.4
5.82	8.0	0.228	3.12	0.0	0.0	35.088	2.85	0.0	7.0	3.285	68.97
5.84	8.0	0.262	3.10	0.0	0.0	30.534	3.275	0.0	7.0	3.777	71.54
5.86	7.0	0.261	2.96	0.0	0.0	26.82	3.729	0.0	6.0	4.398	78.9
5.88	7.0	0.246	2.87	0.0	0.0	28.455	3.514	0.0	6.0	4.148	77.72
5.90	6.0	0.221	2.95	0.0	0.0	27.149	3.683	0.0	5.0	4.485	84.79
5.92	6.0	0.187	3.00	0.0	0.0	32.086	3.117	0.0	5.0	3.798	81.41
5.94	6.0	0.179	3.04	0.0	0.0	33.52	2.983	0.0	5.0	3.638	80.56
5.96	6.0	0.176	3.08	0.0	0.0	34.091	2.933	0.0	5.0	3.58	80.24
5.98	6.0	0.168	3.11	0.0	0.0	35.714	2.8	0.0	5.0	3.419	79.36
6.00	7.0	0.159	3.10	0.0	0.0	44.025	2.271	0.0	6.0	2.691	69.71
6.02	6.0	0.151	3.04	0.0	0.0	39.735	2.517	0.0	5.0	3.078	77.38
6.04	6.0	0.154	3.03	0.0	0.0	38.961	2.567	0.0	5.0	3.141	77.76
6.06	6.0	0.159	3.11	0.0	0.0	37.736	2.65	0.0	5.0	3.245	78.37
6.08	6.0	0.164	3.20	0.0	0.0	36.585	2.733	0.0	5.0	3.35	78.97
6.10	7.0	0.162	3.35	0.0	0.0	43.21	2.314	0.0	6.0	2.749	70.09
6.12	8.0	0.156	3.45	0.0	0.0	51.282	1.95	0.0	7.0	2.265	62.7
6.14	9.0	0.174	3.52	0.0	0.0	51.724	1.933	0.0	8.0	2.207	58.87
6.16	9.0	0.179	3.53	0.0	0.0	50.279	1.989	0.0	8.0	2.271	59.31
6.18	9.0	0.184	3.44	0.0	0.0	48.913	2.044	0.0	8.0	2.336	59.75
6.20	8.0	0.193	3.48	0.0	0.0	41.451	2.413	0.0	7.0	2.808	66.22
6.22	9.0	0.198	3.68	0.0	0.0	45.455	2.2	0.0	8.0	2.516	60.92
6.24	9.0	0.188	3.84	0.0	0.0	47.872	2.089	0.0	8.0	2.39	60.11
6.26	10.0	0.196	3.94	0.0	0.0	51.02	1.96	0.0	9.0	2.211	56
6.28	10.0	0.208	3.98	0.0	0.0	48.077	2.08	0.0	9.0	2.348	56.91
6.30	10.0	0.211	3.92	0.0	0.0	47.393	2.11	0.0	9.0	2.383	57.14
6.32	10.0	0.227	3.84	0.0	0.0	44.053	2.27	0.0	9.0	2.564	58.29
6.34	9.0	0.25	3.79	0.0	0.0	36.0	2.778	0.0	8.0	3.185	64.87
6.36	9.0	0.264	3.84	0.0	0.0	34.091	2.933	0.0	8.0	3.365	65.84
6.38	9.0	0.258	3.96	0.0	0.0	34.884	2.867	0.0	8.0	3.29	65.44
6.40	9.0	0.243	4.05	0.0	0.0	37.037	2.7	0.0	8.0	3.1	64.4
6.42	10.0	0.236	4.10	0.0	0.0	42.373	2.36	0.0	9.0	2.672	58.94
6.44	9.0	0.233	4.06	0.0	0.0	38.627	2.589	0.0	8.0	2.976	63.7
6.46	9.0	0.227	4.01	0.0	0.0	39.648	2.522	0.0	8.0	2.9	63.26
6.48	9.0	0.23	3.91	0.0	0.0	39.13	2.556	0.0	8.0	2.94	63.49
6.50	9.0	0.252	3.90	0.0	0.0	35.714	2.8	0.0	8.0	3.223	65.08
6.52	12.0	0.424	2.08	0.0	0.0	28.302	3.533	0.0	11.0	3.92	60.59
6.54	13.0	0.431	2.21	0.0	0.0	30.162	3.315	0.0	12.0	3.649	57.28
6.56	12.0	0.42	2.20	0.0	0.0	28.571	3.5	0.0	11.0	3.886	60.43
6.58	12.0	0.412	2.19	0.0	0.0	29.126	3.433	0.0	11.0	3.813	60.1
6.60	10.0	0.414	2.15	0.0	0.0	24.155	4.14	0.0	9.0	4.704	69.03
6.62	9.0	0.4	2.46	0.0	0.0	22.5	4.444	0.0	8.0	5.13	73.9

6.64	9.0	0.376	3.22	0.0	0.0	23.936	4.178	0.0	8.0	4.825	72.66
6.66	10.0	0.341	4.10	0.0	0.0	29.326	3.41	0.0	9.0	3.879	65.37
6.68	11.0	0.32	4.24	0.0	0.0	34.375	2.909	0.0	10.0	3.27	59.72
6.70	12.0	0.309	4.37	0.0	0.0	38.835	2.575	0.0	11.0	2.866	55.28
6.72	12.0	0.273	4.34	0.0	0.0	43.956	2.275	0.0	11.0	2.533	53.34
6.74	10.0	0.254	3.76	0.0	0.0	39.37	2.54	0.0	9.0	2.895	60.25
6.76	9.0	0.29	3.57	0.0	0.0	31.034	3.222	0.0	8.0	3.732	67.71
6.78	9.0	0.322	3.61	0.0	0.0	27.95	3.578	0.0	8.0	4.145	69.69
6.80	8.0	0.335	3.75	0.0	0.0	23.881	4.188	0.0	7.0	4.953	76.89
6.82	8.0	0.309	3.68	0.0	0.0	25.89	3.863	0.0	7.0	4.571	75.25
6.84	8.0	0.292	3.63	0.0	0.0	27.397	3.65	0.0	7.0	4.321	74.14
6.86	8.0	0.276	3.61	0.0	0.0	28.986	3.45	0.0	7.0	4.087	73.05
6.88	8.0	0.247	3.60	0.0	0.0	32.389	3.088	0.0	7.0	3.659	70.95
6.90	8.0	0.229	3.63	0.0	0.0	34.934	2.863	0.0	7.0	3.394	69.56
6.92	8.0	0.224	3.69	0.0	0.0	35.714	2.8	0.0	7.0	3.322	69.17
6.94	9.0	0.215	3.71	0.0	0.0	41.86	2.389	0.0	8.0	2.778	62.54
6.96	9.0	0.225	3.68	0.0	0.0	40.0	2.5	0.0	8.0	2.909	63.31
6.98	9.0	0.229	3.67	0.0	0.0	39.301	2.544	0.0	8.0	2.962	63.62
7.00	8.0	0.249	3.61	0.0	0.0	32.129	3.113	0.0	7.0	3.701	71.16
7.02	8.0	0.247	3.08	0.0	0.0	32.389	3.088	0.0	7.0	3.673	71.02
7.04	8.0	0.255	3.03	0.0	0.0	31.373	3.188	0.0	7.0	3.794	71.62
7.06	8.0	0.259	3.14	0.0	0.0	30.888	3.238	0.0	7.0	3.856	71.93
7.08	8.0	0.254	3.18	0.0	0.0	31.496	3.175	0.0	7.0	3.783	71.57
7.10	8.0	0.259	3.16	0.0	0.0	30.888	3.238	0.0	7.0	3.86	71.95
7.12	8.0	0.274	3.14	0.0	0.0	29.197	3.425	0.0	7.0	4.085	73.04
7.14	8.0	0.273	3.16	0.0	0.0	29.304	3.413	0.0	7.0	4.073	72.98
7.16	8.0	0.279	3.19	0.0	0.0	28.674	3.488	0.0	7.0	4.164	73.41
7.18	9.0	0.274	3.22	0.0	0.0	32.847	3.044	0.0	8.0	3.56	66.85
7.20	9.0	0.314	3.18	0.0	0.0	28.662	3.489	0.0	8.0	4.082	69.39
7.22	9.0	0.327	3.18	0.0	0.0	27.523	3.633	0.0	8.0	4.253	70.18
7.24	9.0	0.325	3.16	0.0	0.0	27.692	3.611	0.0	8.0	4.229	70.07
7.26	9.0	0.322	3.11	0.0	0.0	27.95	3.578	0.0	8.0	4.192	69.9
7.28	8.0	0.35	3.06	0.0	0.0	22.857	4.375	0.0	7.0	5.241	78.07
7.30	8.0	0.353	3.00	0.0	0.0	22.663	4.413	0.0	7.0	5.289	78.26
7.32	8.0	0.366	2.93	0.0	0.0	21.858	4.575	0.0	7.0	5.487	79.04
7.34	7.0	0.371	2.84	0.0	0.0	18.868	5.3	0.0	6.0	6.546	87.5
7.36	7.0	0.386	2.81	0.0	0.0	18.135	5.514	0.0	6.0	6.815	88.43
7.38	7.0	0.372	2.81	0.0	0.0	18.817	5.314	0.0	6.0	6.572	87.59
7.40	7.0	0.36	2.85	0.0	0.0	19.444	5.143	0.0	6.0	6.364	86.85
7.42	7.0	0.323	2.85	0.0	0.0	21.672	4.614	0.0	6.0	5.714	84.43
7.44	7.0	0.301	2.84	0.0	0.0	23.256	4.3	0.0	6.0	5.328	82.91
7.46	7.0	0.28	2.83	0.0	0.0	25.0	4.0	0.0	6.0	4.959	81.38
7.48	8.0	0.215	2.16	0.0	0.0	37.209	2.688	0.0	7.0	3.237	68.7
7.50	7.0	0.237	2.12	0.0	0.0	29.536	3.386	0.0	6.0	4.203	77.98
7.52	7.0	0.237	2.23	0.0	0.0	29.536	3.386	0.0	6.0	4.206	78
7.54	8.0	0.228	2.50	0.0	0.0	35.088	2.85	0.0	7.0	3.438	69.79
7.56	11.0	0.224	2.69	0.0	0.0	49.107	2.036	0.0	10.0	2.327	54.26
7.58	13.0	0.237	2.12	0.0	0.0	54.852	1.823	0.0	12.0	2.039	48.23
7.60	13.0	0.245	0.84	0.0	0.0	53.061	1.885	0.0	12.0	2.108	48.7
7.62	11.0	0.254	0.72	0.0	0.0	43.307	2.309	0.0	10.0	2.641	56.21
7.64	10.0	0.24	1.43	0.0	0.0	41.667	2.4	0.0	9.0	2.786	59.63
7.66	10.0	0.241	1.50	0.0	0.0	41.494	2.41	0.0	9.0	2.799	59.7
7.68	9.0	0.273	1.55	0.0	0.0	32.967	3.033	0.0	8.0	3.589	67
7.70	9.0	0.305	2.04	0.0	0.0	29.508	3.389	0.0	8.0	4.012	69.06
7.72	11.0	0.308	2.70	0.0	0.0	35.714	2.8	0.0	10.0	3.209	59.4
7.74	14.0	0.308	2.57	0.0	0.0	45.455	2.2	0.0	13.0	2.445	49.1
7.76	16.0	0.338	0.51	0.0	0.0	47.337	2.113	0.0	15.0	2.316	45.31
7.78	16.0	0.397	0.11	0.0	0.0	40.302	2.481	0.0	15.0	2.722	47.66
7.80	17.0	0.421	0.02	0.0	0.0	40.38	2.476	0.0	16.0	2.702	46.22
7.82	17.0	0.42	-0.04	0.0	0.0	40.476	2.471	0.0	16.0	2.696	46.19
7.84	16.0	0.42	-0.08	0.0	0.0	38.095	2.625	0.0	15.0	2.882	48.52
7.86	16.0	0.414	-0.07	0.0	0.0	38.647	2.588	0.0	15.0	2.841	48.31
7.88	16.0	0.359	-0.04	0.0	0.0	44.568	2.244	0.0	15.0	2.464	46.2
7.90	15.0	0.388	-0.02	0.0	0.0	38.66	2.587	0.0	14.0	2.86	49.87
7.92	14.0	0.389	0.32	0.0	0.0	35.99	2.779	0.0	13.0	3.097	52.73
7.94	12.0	0.362	0.44	0.0	0.0	33.149	3.017	0.0	11.0	3.429	58.25
7.96	10.0	0.36	0.37	0.0	0.0	27.778	3.6	0.0	9.0	4.209	66.89
7.98	10.0	0.382	0.95	0.0	0.0	26.178	3.82	0.0	9.0	4.468	68.03
8.00	13.0	0.35	1.71	0.0	0.0	37.143	2.692	0.0	12.0	3.031	54.18
8.02	15.0	0.348	1.25	0.0	0.0	43.103	2.32	0.0	14.0	2.57	48.25

8.04	15.0	0.422	0.79	0.0	0.0	35.545	2.813	0.0	14.0	3.117	51.22
8.06	16.0	0.438	0.90	0.0	0.0	36.53	2.738	0.0	15.0	3.014	49.21
8.08	19.0	0.396	0.71	0.0	0.0	47.98	2.084	0.0	18.0	2.259	41.37
8.10	21.0	0.454	0.42	0.0	0.0	46.256	2.162	0.0	20.0	2.325	39.78
8.12	22.0	0.475	0.30	0.0	0.0	46.316	2.159	0.0	21.0	2.315	38.83
8.14	24.0	0.52	0.26	0.0	0.0	46.154	2.167	0.0	23.0	2.309	37.18
8.16	24.0	0.503	0.19	0.0	0.0	47.714	2.096	0.0	23.0	2.234	36.75
8.18	23.0	0.464	0.13	0.0	0.0	49.569	2.017	0.0	22.0	2.157	37.07
8.20	23.0	0.466	0.06	0.0	0.0	49.356	2.026	0.0	22.0	2.167	37.13
8.22	22.0	0.508	0.03	0.0	0.0	43.307	2.309	0.0	21.0	2.478	39.75
8.24	19.0	0.549	-0.04	0.0	0.0	34.608	2.889	0.0	18.0	3.137	46.11
8.26	15.0	0.508	-0.11	0.0	0.0	29.528	3.387	0.0	14.0	3.764	54.33
8.28	12.0	0.406	-0.09	0.0	0.0	29.557	3.383	0.0	11.0	3.87	60.36
8.30	10.0	0.359	0.02	0.0	0.0	27.855	3.59	0.0	9.0	4.23	66.98
8.32	9.0	0.33	0.27	0.0	0.0	27.273	3.667	0.0	8.0	4.41	70.88
8.34	8.0	0.32	0.55	0.0	0.0	25.0	4.0	0.0	7.0	4.938	76.83
8.36	7.0	0.299	0.83	0.0	0.0	23.411	4.271	0.0	6.0	5.46	83.44
8.38	7.0	0.272	1.09	0.0	0.0	25.735	3.886	0.0	6.0	4.97	81.42
8.40	8.0	0.25	1.25	0.0	0.0	32.0	3.125	0.0	7.0	3.864	71.97
8.42	8.0	0.235	1.35	0.0	0.0	34.043	2.938	0.0	7.0	3.634	70.82
8.44	8.0	0.236	1.43	0.0	0.0	33.898	2.95	0.0	7.0	3.652	70.91
8.46	9.0	0.299	1.79	0.0	0.0	30.1	3.322	0.0	8.0	4.009	69.05
8.48	8.0	0.304	1.96	0.0	0.0	26.316	3.8	0.0	7.0	4.709	75.86
8.50	8.0	0.302	2.21	0.0	0.0	26.49	3.775	0.0	7.0	4.681	75.73
8.52	7.0	0.29	2.45	0.0	0.0	24.138	4.143	0.0	6.0	5.323	82.89
8.54	7.0	0.285	2.54	0.0	0.0	24.561	4.071	0.0	6.0	5.235	82.53
8.56	7.0	0.281	2.68	0.0	0.0	24.911	4.014	0.0	6.0	5.164	82.24
8.58	7.0	0.264	2.92	0.0	0.0	26.515	3.771	0.0	6.0	4.855	80.93
8.60	8.0	0.235	3.01	0.0	0.0	34.043	2.938	0.0	7.0	3.652	70.91
8.62	8.0	0.213	2.95	0.0	0.0	37.559	2.663	0.0	7.0	3.312	69.12
8.64	7.0	0.207	2.88	0.0	0.0	33.816	2.957	0.0	6.0	3.814	76.08
8.66	7.0	0.204	2.91	0.0	0.0	34.314	2.914	0.0	6.0	3.761	75.81
8.68	7.0	0.188	3.07	0.0	0.0	37.234	2.686	0.0	6.0	3.469	74.27
8.70	7.0	0.169	3.25	0.0	0.0	41.42	2.414	0.0	6.0	3.12	72.32
8.72	7.0	0.17	3.23	0.0	0.0	41.176	2.429	0.0	6.0	3.141	72.44
8.74	8.0	0.175	3.23	0.0	0.0	45.714	2.188	0.0	7.0	2.73	65.75
8.76	8.0	0.191	3.20	0.0	0.0	41.885	2.388	0.0	7.0	2.982	67.26
8.78	8.0	0.217	3.18	0.0	0.0	36.866	2.713	0.0	7.0	3.389	69.53
8.80	9.0	0.24	3.22	0.0	0.0	37.5	2.667	0.0	8.0	3.244	65.19
8.82	9.0	0.261	3.22	0.0	0.0	34.483	2.9	0.0	8.0	3.529	66.7
8.84	9.0	0.291	3.23	0.0	0.0	30.928	3.233	0.0	8.0	3.937	68.71
8.86	9.0	0.315	3.19	0.0	0.0	28.571	3.5	0.0	8.0	4.264	70.23
8.88	10.0	0.345	3.15	0.0	0.0	28.986	3.45	0.0	9.0	4.115	66.46
8.90	9.0	0.363	3.11	0.0	0.0	24.793	4.033	0.0	8.0	4.918	73.05
8.92	9.0	0.388	3.06	0.0	0.0	23.196	4.311	0.0	8.0	5.26	74.42
8.94	9.0	0.402	3.03	0.0	0.0	22.388	4.467	0.0	8.0	5.452	75.16
8.96	9.0	0.41	3.03	0.0	0.0	21.951	4.556	0.0	8.0	5.563	75.59
8.98	9.0	0.414	3.01	0.0	0.0	21.739	4.6	0.0	8.0	5.62	75.8
9.00	9.0	0.413	3.01	0.0	0.0	21.792	4.589	0.0	8.0	5.61	75.76
9.02	9.0	0.403	3.04	0.0	0.0	22.333	4.478	0.0	8.0	5.476	75.26
9.04	9.0	0.398	3.01	0.0	0.0	22.613	4.422	0.0	8.0	5.411	75.01
9.06	9.0	0.393	2.95	0.0	0.0	22.901	4.367	0.0	8.0	5.346	74.75
9.08	9.0	0.389	2.91	0.0	0.0	23.136	4.322	0.0	8.0	5.294	74.55
9.10	9.0	0.388	2.89	0.0	0.0	23.196	4.311	0.0	8.0	5.283	74.51
9.12	8.0	0.383	2.92	0.0	0.0	20.888	4.788	0.0	7.0	6.04	81.12
9.14	9.0	0.365	2.95	0.0	0.0	24.658	4.056	0.0	8.0	4.975	73.28
9.16	9.0	0.371	2.97	0.0	0.0	24.259	4.122	0.0	8.0	5.059	73.62
9.18	9.0	0.367	2.99	0.0	0.0	24.523	4.078	0.0	8.0	5.007	73.41
9.20	9.0	0.364	2.99	0.0	0.0	24.725	4.044	0.0	8.0	4.968	73.25
9.22	9.0	0.359	2.70	0.0	0.0	25.07	3.989	0.0	8.0	4.902	72.98
9.24	9.0	0.379	2.61	0.0	0.0	23.747	4.211	0.0	8.0	5.178	74.1
9.26	9.0	0.375	2.61	0.0	0.0	24.0	4.167	0.0	8.0	5.126	73.89
9.28	9.0	0.379	2.62	0.0	0.0	23.747	4.211	0.0	8.0	5.183	74.12
9.30	9.0	0.371	2.65	0.0	0.0	24.259	4.122	0.0	8.0	5.076	73.69
9.32	8.0	0.364	2.64	0.0	0.0	21.978	4.55	0.0	7.0	5.773	80.13
9.34	8.0	0.362	2.61	0.0	0.0	22.099	4.525	0.0	7.0	5.745	80.02
9.36	8.0	0.359	2.55	0.0	0.0	22.284	4.488	0.0	7.0	5.7	79.86
9.38	8.0	0.348	2.53	0.0	0.0	22.989	4.35	0.0	7.0	5.529	79.2
9.40	7.0	0.335	2.50	0.0	0.0	20.896	4.786	0.0	6.0	6.332	86.73
9.42	7.0	0.335	2.45	0.0	0.0	20.896	4.786	0.0	6.0	6.336	86.75

9.44	7.0	0.338	2.85	0.0	0.0	20.71	4.829	0.0	6.0	6.397	86.97
9.46	7.0	0.332	2.80	0.0	0.0	21.084	4.743	0.0	6.0	6.288	86.57
9.48	7.0	0.325	2.73	0.0	0.0	21.538	4.643	0.0	6.0	6.159	86.11
9.50	7.0	0.327	2.66	0.0	0.0	21.407	4.671	0.0	6.0	6.201	86.26
9.52	7.0	0.328	2.58	0.0	0.0	21.341	4.686	0.0	6.0	6.224	86.34
9.54	6.0	0.318	2.54	0.0	0.0	18.868	5.3	0.0	5.0	7.454	96.31
9.56	6.0	0.305	2.49	0.0	0.0	19.672	5.083	0.0	5.0	7.155	95.31
9.58	6.0	0.302	2.45	0.0	0.0	19.868	5.033	0.0	5.0	7.09	95.09
9.60	6.0	0.297	2.43	0.0	0.0	20.202	4.95	0.0	5.0	6.978	94.71
9.62	6.0	0.289	2.42	0.0	0.0	20.761	4.817	0.0	5.0	6.796	94.08
9.64	6.0	0.28	2.40	0.0	0.0	21.429	4.667	0.0	5.0	6.59	93.34
9.66	5.0	0.271	2.35	0.0	0.0	18.45	5.42	0.0	4.0	8.349	106.68
9.68	5.0	0.273	2.23	0.0	0.0	18.315	5.46	0.0	4.0	8.42	106.9
9.70	5.0	0.274	2.13	0.0	0.0	18.248	5.48	0.0	4.0	8.459	107.02
9.72	5.0	0.272	2.11	0.0	0.0	18.382	5.44	0.0	4.0	8.406	106.86
9.74	5.0	0.272	2.05	0.0	0.0	18.382	5.44	0.0	4.0	8.415	106.89
9.76	5.0	0.273	2.04	0.0	0.0	18.315	5.46	0.0	4.0	8.454	107.01
9.78	5.0	0.267	2.05	0.0	0.0	18.727	5.34	0.0	4.0	8.277	106.46
9.80	5.0	0.273	2.01	0.0	0.0	18.315	5.46	0.0	4.0	8.472	107.06
9.82	5.0	0.265	1.98	0.0	0.0	18.868	5.3	0.0	4.0	8.232	106.32
9.84	5.0	0.27	1.94	0.0	0.0	18.519	5.4	0.0	4.0	8.396	106.83
9.86	5.0	0.28	1.94	0.0	0.0	17.857	5.6	0.0	4.0	8.716	107.81
9.88	5.0	0.273	2.00	0.0	0.0	18.315	5.46	0.0	4.0	8.507	107.17
9.90	5.0	0.273	1.98	0.0	0.0	18.315	5.46	0.0	4.0	8.516	107.2
9.92	5.0	0.287	1.98	0.0	0.0	17.422	5.74	0.0	4.0	8.962	108.55
9.94	6.0	0.287	2.01	0.0	0.0	20.906	4.783	0.0	5.0	6.835	94.21
9.96	6.0	0.293	2.04	0.0	0.0	20.478	4.883	0.0	5.0	6.983	94.73
9.98	6.0	0.295	2.09	0.0	0.0	20.339	4.917	0.0	5.0	7.037	94.91
10.00	7.0	0.295	2.15	0.0	0.0	23.729	4.214	0.0	6.0	5.685	84.32
10.02	7.0	0.311	2.19	0.0	0.0	22.508	4.443	0.0	6.0	5.998	85.51
10.04	7.0	0.322	2.26	0.0	0.0	21.739	4.6	0.0	6.0	6.214	86.31
10.06	8.0	0.325	2.32	0.0	0.0	24.615	4.063	0.0	7.0	5.26	78.14
10.08	8.0	0.335	2.35	0.0	0.0	23.881	4.188	0.0	7.0	5.425	78.8
10.10	8.0	0.344	2.36	0.0	0.0	23.256	4.3	0.0	7.0	5.574	79.38
10.12	8.0	0.357	2.35	0.0	0.0	22.409	4.463	0.0	7.0	5.788	80.19
10.14	8.0	0.362	2.40	0.0	0.0	22.099	4.525	0.0	7.0	5.873	80.5
10.16	8.0	0.359	2.42	0.0	0.0	22.284	4.488	0.0	7.0	5.828	80.33
10.18	8.0	0.352	2.43	0.0	0.0	22.727	4.4	0.0	7.0	5.717	79.92
10.20	8.0	0.353	2.43	0.0	0.0	22.663	4.413	0.0	7.0	5.737	79.99
10.22	8.0	0.357	2.40	0.0	0.0	22.409	4.463	0.0	7.0	5.805	80.25
10.24	8.0	0.351	2.39	0.0	0.0	22.792	4.388	0.0	7.0	5.711	79.9
10.26	7.0	0.338	2.39	0.0	0.0	20.71	4.829	0.0	6.0	6.572	87.59
10.28	7.0	0.334	2.39	0.0	0.0	20.958	4.771	0.0	6.0	6.499	87.33
10.30	7.0	0.33	2.40	0.0	0.0	21.212	4.714	0.0	6.0	6.426	87.07
10.32	7.0	0.327	2.42	0.0	0.0	21.407	4.671	0.0	6.0	6.371	86.87
10.34	7.0	0.327	2.43	0.0	0.0	21.407	4.671	0.0	6.0	6.376	86.89
10.36	7.0	0.318	2.47	0.0	0.0	22.013	4.543	0.0	6.0	6.205	86.27
10.38	7.0	0.311	2.61	0.0	0.0	22.508	4.443	0.0	6.0	6.072	85.79
10.40	8.0	0.301	3.45	0.0	0.0	26.578	3.763	0.0	7.0	4.92	76.75
10.42	8.0	0.303	3.45	0.0	0.0	26.403	3.788	0.0	7.0	4.955	76.9
10.44	7.0	0.31	3.49	0.0	0.0	22.581	4.429	0.0	6.0	6.065	85.76
10.46	7.0	0.303	3.53	0.0	0.0	23.102	4.329	0.0	6.0	5.932	85.26
10.48	8.0	0.298	3.56	0.0	0.0	26.846	3.725	0.0	7.0	4.882	76.59
10.50	8.0	0.302	3.57	0.0	0.0	26.49	3.775	0.0	7.0	4.95	76.88
10.52	8.0	0.316	3.57	0.0	0.0	25.316	3.95	0.0	7.0	5.183	77.83
10.54	8.0	0.314	3.56	0.0	0.0	25.478	3.925	0.0	7.0	5.153	77.71
10.56	8.0	0.326	3.54	0.0	0.0	24.54	4.075	0.0	7.0	5.353	78.51
10.58	8.0	0.336	3.56	0.0	0.0	23.81	4.2	0.0	7.0	5.52	79.17
10.60	8.0	0.342	3.69	0.0	0.0	23.392	4.275	0.0	7.0	5.622	79.56
10.62	8.0	0.33	3.87	0.0	0.0	24.242	4.125	0.0	7.0	5.428	78.81
10.64	8.0	0.326	3.82	0.0	0.0	24.54	4.075	0.0	7.0	5.366	78.56
10.66	8.0	0.326	3.76	0.0	0.0	24.54	4.075	0.0	7.0	5.369	78.57
10.68	8.0	0.318	3.71	0.0	0.0	25.157	3.975	0.0	7.0	5.24	78.06
10.70	7.0	0.304	3.67	0.0	0.0	23.026	4.343	0.0	6.0	6.002	85.52
10.72	7.0	0.293	3.61	0.0	0.0	23.891	4.186	0.0	6.0	5.789	84.72
10.74	7.0	0.291	3.57	0.0	0.0	24.055	4.157	0.0	6.0	5.753	84.58
10.76	7.0	0.28	3.56	0.0	0.0	25.0	4.0	0.0	6.0	5.539	83.75
10.78	7.0	0.271	3.56	0.0	0.0	25.83	3.871	0.0	6.0	5.365	83.06
10.80	7.0	0.23	3.57	0.0	0.0	30.435	3.286	0.0	6.0	4.556	79.62
10.82	6.0	0.21	3.57	0.0	0.0	28.571	3.5	0.0	5.0	5.192	87.92

10.84	7.0	0.188	3.61	0.0	0.0	37.234	2.686	0.0	6.0	3.729	75.64
10.86	7.0	0.169	3.67	0.0	0.0	41.42	2.414	0.0	6.0	3.355	73.65
10.88	7.0	0.152	3.69	0.0	0.0	46.053	2.171	0.0	6.0	3.019	71.73
10.90	7.0	0.144	3.71	0.0	0.0	48.611	2.057	0.0	6.0	2.863	70.79
10.92	7.0	0.129	3.75	0.0	0.0	54.264	1.843	0.0	6.0	2.566	68.91
10.94	7.0	0.131	3.80	0.0	0.0	53.435	1.871	0.0	6.0	2.608	69.18
10.96	8.0	0.124	3.86	0.0	0.0	64.516	1.55	0.0	7.0	2.06	61.23
10.98	8.0	0.131	3.92	0.0	0.0	61.069	1.638	0.0	7.0	2.177	62.09
11.00	9.0	0.146	3.96	0.0	0.0	61.644	1.622	0.0	8.0	2.082	57.99
11.02	9.0	0.152	3.98	0.0	0.0	59.211	1.689	0.0	8.0	2.169	58.6
11.04	9.0	0.173	3.99	0.0	0.0	52.023	1.922	0.0	8.0	2.469	60.63
11.06	10.0	0.192	3.98	0.0	0.0	52.083	1.92	0.0	9.0	2.399	57.25
11.08	10.0	0.21	3.95	0.0	0.0	47.619	2.1	0.0	9.0	2.626	58.67
11.10	10.0	0.234	3.94	0.0	0.0	42.735	2.34	0.0	9.0	2.927	60.44
11.12	10.0	0.256	3.95	0.0	0.0	39.063	2.56	0.0	9.0	3.204	61.97
11.14	10.0	0.273	3.98	0.0	0.0	36.63	2.73	0.0	9.0	3.418	63.09
11.16	10.0	0.277	4.01	0.0	0.0	36.101	2.77	0.0	9.0	3.47	63.36
11.18	10.0	0.279	4.01	0.0	0.0	35.842	2.79	0.0	9.0	3.496	63.49
11.20	10.0	0.291	3.98	0.0	0.0	34.364	2.91	0.0	9.0	3.648	64.25
11.22	10.0	0.297	3.98	0.0	0.0	33.67	2.97	0.0	9.0	3.725	64.63
11.24	10.0	0.29	3.99	0.0	0.0	34.483	2.9	0.0	9.0	3.639	64.21
11.26	9.0	0.286	3.99	0.0	0.0	31.469	3.178	0.0	8.0	4.106	69.5
11.28	9.0	0.274	3.98	0.0	0.0	32.847	3.044	0.0	8.0	3.936	68.7
11.30	9.0	0.283	3.95	0.0	0.0	31.802	3.144	0.0	8.0	4.067	69.32
11.32	9.0	0.283	4.01	0.0	0.0	31.802	3.144	0.0	8.0	4.069	69.33
11.34	10.0	0.27	4.10	0.0	0.0	37.037	2.7	0.0	9.0	3.396	62.98
11.36	10.0	0.248	4.11	0.0	0.0	40.323	2.48	0.0	9.0	3.12	61.52
11.38	11.0	0.28	4.10	0.0	0.0	39.286	2.545	0.0	10.0	3.131	58.98
11.40	11.0	0.301	4.30	0.0	0.0	36.545	2.736	0.0	10.0	3.367	60.22
11.42	11.0	0.303	4.32	0.0	0.0	36.304	2.755	0.0	10.0	3.391	60.34
11.44	11.0	0.323	4.32	0.0	0.0	34.056	2.936	0.0	10.0	3.616	61.46
11.46	11.0	0.352	4.30	0.0	0.0	31.25	3.2	0.0	10.0	3.942	63.01
11.48	12.0	0.39	4.30	0.0	0.0	30.769	3.25	0.0	11.0	3.929	60.63
11.50	11.0	0.41	4.29	0.0	0.0	26.829	3.727	0.0	10.0	4.595	65.88
11.52	11.0	0.408	4.26	0.0	0.0	26.961	3.709	0.0	10.0	4.575	65.79
11.54	11.0	0.428	4.28	0.0	0.0	25.701	3.891	0.0	10.0	4.801	66.72
11.56	12.0	0.451	4.22	0.0	0.0	26.608	3.758	0.0	11.0	4.551	63.33
11.58	12.0	0.471	4.18	0.0	0.0	25.478	3.925	0.0	11.0	4.754	64.16
11.60	11.0	0.487	4.15	0.0	0.0	22.587	4.427	0.0	10.0	5.47	69.31
11.62	11.0	0.495	4.14	0.0	0.0	22.222	4.5	0.0	10.0	5.562	69.65
11.64	11.0	0.507	4.13	0.0	0.0	21.696	4.609	0.0	10.0	5.699	70.15
11.66	11.0	0.516	4.10	0.0	0.0	21.318	4.691	0.0	10.0	5.803	70.53
11.68	11.0	0.525	4.06	0.0	0.0	20.952	4.773	0.0	10.0	5.906	70.89
11.70	11.0	0.531	4.07	0.0	0.0	20.716	4.827	0.0	10.0	5.976	71.14
11.72	11.0	0.517	4.05	0.0	0.0	21.277	4.7	0.0	10.0	5.821	70.59
11.74	11.0	0.518	3.99	0.0	0.0	21.236	4.709	0.0	10.0	5.835	70.64
11.76	11.0	0.518	3.95	0.0	0.0	21.236	4.709	0.0	10.0	5.837	70.65
11.78	11.0	0.519	3.90	0.0	0.0	21.195	4.718	0.0	10.0	5.851	70.7
11.80	11.0	0.527	3.88	0.0	0.0	20.873	4.791	0.0	10.0	5.944	71.02
11.82	11.0	0.523	3.90	0.0	0.0	21.033	4.755	0.0	10.0	5.901	70.87
11.84	11.0	0.513	3.92	0.0	0.0	21.442	4.664	0.0	10.0	5.79	70.48
11.86	11.0	0.518	3.90	0.0	0.0	21.236	4.709	0.0	10.0	5.849	70.69
11.88	11.0	0.513	3.86	0.0	0.0	21.442	4.664	0.0	10.0	5.795	70.5
11.90	11.0	0.511	3.83	0.0	0.0	21.526	4.645	0.0	10.0	5.775	70.43
11.92	10.0	0.503	3.84	0.0	0.0	19.881	5.03	0.0	9.0	6.412	75.42
11.94	10.0	0.467	3.87	0.0	0.0	21.413	4.67	0.0	9.0	5.956	73.84
11.96	10.0	0.457	3.88	0.0	0.0	21.882	4.57	0.0	9.0	5.831	73.39
11.98	10.0	0.439	3.95	0.0	0.0	22.779	4.39	0.0	9.0	5.604	72.56
12.00	10.0	0.419	4.06	0.0	0.0	23.866	4.19	0.0	9.0	5.351	71.61
12.02	11.0	0.382	4.15	0.0	0.0	28.796	3.473	0.0	10.0	4.328	64.74
12.04	11.0	0.36	4.20	0.0	0.0	30.556	3.273	0.0	10.0	4.08	63.64
12.06	11.0	0.364	4.20	0.0	0.0	30.22	3.309	0.0	10.0	4.127	63.85
12.08	11.0	0.382	4.18	0.0	0.0	28.796	3.473	0.0	10.0	4.333	64.76
12.10	12.0	0.407	4.18	0.0	0.0	29.484	3.392	0.0	11.0	4.148	61.61
12.12	12.0	0.418	4.18	0.0	0.0	28.708	3.483	0.0	11.0	4.262	62.11
12.14	12.0	0.433	4.11	0.0	0.0	27.714	3.608	0.0	11.0	4.416	62.77
12.16	12.0	0.487	4.05	0.0	0.0	24.641	4.058	0.0	11.0	4.969	65.01
12.18	12.0	0.513	4.01	0.0	0.0	23.392	4.275	0.0	11.0	5.236	66.04
12.20	12.0	0.535	3.96	0.0	0.0	22.43	4.458	0.0	11.0	5.463	66.88
12.22	12.0	0.549	3.99	0.0	0.0	21.858	4.575	0.0	11.0	5.608	67.41

12.24	13.0	0.554	4.05	0.0	0.0	23.466	4.262	0.0	12.0	5.136	63.54
12.26	13.0	0.579	4.06	0.0	0.0	22.453	4.454	0.0	12.0	5.37	64.41
12.28	12.0	0.583	4.05	0.0	0.0	20.583	4.858	0.0	11.0	5.962	68.66
12.30	12.0	0.56	4.03	0.0	0.0	21.429	4.667	0.0	11.0	5.729	67.84
12.32	12.0	0.561	3.96	0.0	0.0	21.39	4.675	0.0	11.0	5.742	67.89
12.34	12.0	0.504	3.90	0.0	0.0	23.81	4.2	0.0	11.0	5.16	65.75
12.36	12.0	0.539	4.77	0.0	0.0	22.263	4.492	0.0	11.0	5.521	67.09
12.38	13.0	0.519	4.75	0.0	0.0	25.048	3.992	0.0	12.0	4.824	62.33
12.40	13.0	0.51	4.70	0.0	0.0	25.49	3.923	0.0	12.0	4.742	62.01
12.42	13.0	0.524	4.60	0.0	0.0	24.809	4.031	0.0	12.0	4.873	62.53
12.44	13.0	0.543	3.67	0.0	0.0	23.941	4.177	0.0	12.0	5.052	63.22
12.46	13.0	0.573	3.72	0.0	0.0	22.688	4.408	0.0	12.0	5.333	64.27
12.48	14.0	0.58	3.72	0.0	0.0	24.138	4.143	0.0	13.0	4.94	60.9
12.50	14.0	0.618	3.68	0.0	0.0	22.654	4.414	0.0	13.0	5.265	62.12
12.52	13.0	0.677	3.68	0.0	0.0	19.202	5.208	0.0	12.0	6.307	67.66
12.54	13.0	0.698	3.67	0.0	0.0	18.625	5.369	0.0	12.0	6.505	68.31
12.56	13.0	0.696	3.69	0.0	0.0	18.678	5.354	0.0	12.0	6.489	68.26
12.58	13.0	0.68	3.75	0.0	0.0	19.118	5.231	0.0	12.0	6.342	67.78
12.60	13.0	0.69	3.72	0.0	0.0	18.841	5.308	0.0	12.0	6.437	68.09
12.62	13.0	0.71	3.68	0.0	0.0	18.31	5.462	0.0	12.0	6.626	68.7
12.64	13.0	0.698	3.73	0.0	0.0	18.625	5.369	0.0	12.0	6.517	68.35
12.66	13.0	0.691	3.71	0.0	0.0	18.813	5.315	0.0	12.0	6.453	68.14
12.68	13.0	0.713	3.75	0.0	0.0	18.233	5.485	0.0	12.0	6.661	68.81
12.70	13.0	0.741	3.76	0.0	0.0	17.544	5.7	0.0	12.0	6.925	69.63
12.72	13.0	0.727	3.75	0.0	0.0	17.882	5.592	0.0	12.0	6.797	69.24
12.74	13.0	0.733	3.72	0.0	0.0	17.735	5.638	0.0	12.0	6.855	69.42
12.76	13.0	0.751	3.65	0.0	0.0	17.31	5.777	0.0	12.0	7.026	69.94
12.78	13.0	0.765	3.79	0.0	0.0	16.993	5.885	0.0	12.0	7.16	70.35
12.80	13.0	0.77	3.88	0.0	0.0	16.883	5.923	0.0	12.0	7.209	70.5
12.82	13.0	0.763	4.02	0.0	0.0	17.038	5.869	0.0	12.0	7.146	70.31
12.84	14.0	0.698	4.06	0.0	0.0	20.057	4.986	0.0	13.0	5.979	64.63
12.86	13.0	0.704	4.07	0.0	0.0	18.466	5.415	0.0	12.0	6.598	68.61
12.88	13.0	0.7	4.05	0.0	0.0	18.571	5.385	0.0	12.0	6.563	68.49
12.90	13.0	0.691	4.06	0.0	0.0	18.813	5.315	0.0	12.0	6.481	68.23
12.92	14.0	0.684	4.11	0.0	0.0	20.468	4.886	0.0	13.0	5.867	64.25
12.94	13.0	0.701	4.21	0.0	0.0	18.545	5.392	0.0	12.0	6.579	68.55
12.96	14.0	0.714	4.33	0.0	0.0	19.608	5.1	0.0	13.0	6.128	65.13
12.98	15.0	0.727	4.37	0.0	0.0	20.633	4.847	0.0	14.0	5.748	62.1
13.00	15.0	0.725	4.40	0.0	0.0	20.69	4.833	0.0	14.0	5.734	62.06
13.02	15.0	0.732	4.39	0.0	0.0	20.492	4.88	0.0	14.0	5.791	62.25
13.04	15.0	0.752	4.36	0.0	0.0	19.947	5.013	0.0	14.0	5.951	62.79
13.06	15.0	0.783	4.39	0.0	0.0	19.157	5.22	0.0	14.0	6.198	63.61
13.08	15.0	0.787	4.36	0.0	0.0	19.06	5.247	0.0	14.0	6.232	63.72
13.10	16.0	0.831	4.30	0.0	0.0	19.254	5.194	0.0	15.0	6.099	61.69
13.12	16.0	0.88	4.18	0.0	0.0	18.182	5.5	0.0	15.0	6.461	62.85
13.14	16.0	0.911	4.14	0.0	0.0	17.563	5.694	0.0	15.0	6.69	63.57
13.16	16.0	0.937	4.07	0.0	0.0	17.076	5.856	0.0	15.0	6.883	64.15
13.18	15.0	0.974	3.99	0.0	0.0	15.4	6.493	0.0	14.0	7.724	68.23
13.20	15.0	1.007	3.98	0.0	0.0	14.896	6.713	0.0	14.0	7.988	68.96
13.22	15.0	1.05	3.96	0.0	0.0	14.286	7.0	0.0	14.0	8.332	69.9
13.24	16.0	1.072	4.01	0.0	0.0	14.925	6.7	0.0	15.0	7.883	67.03
13.26	15.0	1.1	4.01	0.0	0.0	13.636	7.333	0.0	14.0	8.734	70.95
13.28	15.0	1.111	4.01	0.0	0.0	13.501	7.407	0.0	14.0	8.824	71.19
13.30	15.0	1.106	4.02	0.0	0.0	13.562	7.373	0.0	14.0	8.787	71.09
13.32	15.0	1.103	4.06	0.0	0.0	13.599	7.353	0.0	14.0	8.766	71.04
13.34	16.0	1.096	4.77	0.0	0.0	14.599	6.85	0.0	15.0	8.071	67.55
13.36	16.0	1.084	4.79	0.0	0.0	14.76	6.775	0.0	15.0	7.985	67.31
13.38	17.0	1.072	4.78	0.0	0.0	15.858	6.306	0.0	16.0	7.357	64.06
13.40	17.0	1.065	4.71	0.0	0.0	15.962	6.265	0.0	16.0	7.311	63.93
13.42	16.0	1.07	4.58	0.0	0.0	14.953	6.688	0.0	15.0	7.889	67.05
13.44	16.0	1.077	4.37	0.0	0.0	14.856	6.731	0.0	15.0	7.942	67.2
13.46	16.0	1.084	4.32	0.0	0.0	14.76	6.775	0.0	15.0	7.996	67.34
13.48	15.0	1.071	4.28	0.0	0.0	14.006	7.14	0.0	14.0	8.532	70.43
13.50	15.0	1.034	4.24	0.0	0.0	14.507	6.893	0.0	14.0	8.24	69.65
13.52	15.0	1.026	4.24	0.0	0.0	14.62	6.84	0.0	14.0	8.179	69.48
13.54	16.0	1.027	4.24	0.0	0.0	15.579	6.419	0.0	15.0	7.584	66.2
13.56	16.0	1.021	4.18	0.0	0.0	15.671	6.381	0.0	15.0	7.542	66.08
13.58	16.0	1.022	4.10	0.0	0.0	15.656	6.388	0.0	15.0	7.552	66.11
13.60	15.0	1.04	4.02	0.0	0.0	14.423	6.933	0.0	14.0	8.3	69.81
13.62	15.0	1.062	3.94	0.0	0.0	14.124	7.08	0.0	14.0	8.478	70.28

13.64	15.0	1.1	3.90	0.0	0.0	13.636	7.333	0.0	14.0	8.785	71.08
13.66	15.0	1.156	3.86	0.0	0.0	12.976	7.707	0.0	14.0	9.235	72.22
13.68	15.0	1.183	3.88	0.0	0.0	12.68	7.887	0.0	14.0	9.453	72.76
13.70	15.0	1.191	3.92	0.0	0.0	12.594	7.94	0.0	14.0	9.52	72.93
13.72	15.0	1.174	3.95	0.0	0.0	12.777	7.827	0.0	14.0	9.387	72.6
13.74	15.0	1.133	3.95	0.0	0.0	13.239	7.553	0.0	14.0	9.062	71.79
13.76	16.0	1.114	3.94	0.0	0.0	14.363	6.963	0.0	15.0	8.252	68.03
13.78	15.0	1.095	3.92	0.0	0.0	13.699	7.3	0.0	14.0	8.763	71.03
13.80	15.0	1.084	3.94	0.0	0.0	13.838	7.227	0.0	14.0	8.678	70.81
13.82	16.0	1.084	3.95	0.0	0.0	14.76	6.775	0.0	15.0	8.037	67.45
13.84	16.0	1.062	3.98	0.0	0.0	15.066	6.638	0.0	15.0	7.876	67.01
13.86	15.0	1.049	3.96	0.0	0.0	14.299	6.993	0.0	14.0	8.405	70.09
13.88	15.0	1.035	3.95	0.0	0.0	14.493	6.9	0.0	14.0	8.296	69.8
13.90	15.0	0.998	3.92	0.0	0.0	15.03	6.653	0.0	14.0	8.001	69
13.92	14.0	0.979	3.88	0.0	0.0	14.3	6.993	0.0	13.0	8.536	72.25
13.94	14.0	0.983	3.83	0.0	0.0	14.242	7.021	0.0	13.0	8.574	72.35
13.96	14.0	0.92	3.82	0.0	0.0	15.217	6.571	0.0	13.0	8.027	70.87
13.98	13.0	0.886	3.80	0.0	0.0	14.673	6.815	0.0	12.0	8.472	74.09
14.00	13.0	0.838	3.79	0.0	0.0	15.513	6.446	0.0	12.0	8.016	72.84
14.02	13.0	0.789	3.80	0.0	0.0	16.477	6.069	0.0	12.0	7.55	71.51
14.04	13.0	0.765	3.83	0.0	0.0	16.993	5.885	0.0	12.0	7.323	70.84
14.06	13.0	0.728	3.83	0.0	0.0	17.857	5.6	0.0	12.0	6.971	69.78
14.08	12.0	0.707	3.82	0.0	0.0	16.973	5.892	0.0	11.0	7.49	73.55
14.10	12.0	0.708	3.83	0.0	0.0	16.949	5.9	0.0	11.0	7.504	73.59
14.12	13.0	0.694	3.83	0.0	0.0	18.732	5.338	0.0	12.0	6.653	68.78
14.14	13.0	0.697	3.87	0.0	0.0	18.651	5.362	0.0	12.0	6.684	68.88
14.16	13.0	0.7	3.94	0.0	0.0	18.571	5.385	0.0	12.0	6.715	68.98
14.18	13.0	0.697	3.95	0.0	0.0	18.651	5.362	0.0	12.0	6.689	68.89
14.20	13.0	0.689	3.98	0.0	0.0	18.868	5.3	0.0	12.0	6.614	68.66
14.22	13.0	0.687	3.95	0.0	0.0	18.923	5.285	0.0	12.0	6.598	68.6
14.24	13.0	0.691	3.92	0.0	0.0	18.813	5.315	0.0	12.0	6.638	68.73
14.26	13.0	0.685	3.91	0.0	0.0	18.978	5.269	0.0	12.0	6.583	68.56
14.28	13.0	0.671	3.91	0.0	0.0	19.374	5.162	0.0	12.0	6.451	68.13
14.30	13.0	0.666	3.87	0.0	0.0	19.52	5.123	0.0	12.0	6.405	67.98
14.32	13.0	0.716	3.98	0.0	0.0	18.156	5.508	0.0	12.0	6.888	69.52
14.34	13.0	0.74	3.92	0.0	0.0	17.568	5.692	0.0	12.0	7.122	70.24
14.36	13.0	0.746	3.86	0.0	0.0	17.426	5.738	0.0	12.0	7.182	70.42
14.38	12.0	0.792	3.79	0.0	0.0	15.152	6.6	0.0	11.0	8.441	76.25
14.40	12.0	0.8	3.79	0.0	0.0	15.0	6.667	0.0	11.0	8.529	76.49
14.42	12.0	0.794	3.79	0.0	0.0	15.113	6.617	0.0	11.0	8.469	76.32
14.44	12.0	0.798	3.77	0.0	0.0	15.038	6.65	0.0	11.0	8.515	76.45
14.46	13.0	0.796	3.73	0.0	0.0	16.332	6.123	0.0	12.0	7.677	71.88
14.48	12.0	0.812	3.73	0.0	0.0	14.778	6.767	0.0	11.0	8.671	76.87
14.50	12.0	0.816	3.72	0.0	0.0	14.706	6.8	0.0	11.0	8.717	77
14.52	12.0	0.8	3.73	0.0	0.0	15.0	6.667	0.0	11.0	8.549	76.54
14.54	12.0	0.787	3.73	0.0	0.0	15.248	6.558	0.0	11.0	8.414	76.18
14.56	12.0	0.764	3.71	0.0	0.0	15.707	6.367	0.0	11.0	8.171	75.5
14.58	12.0	0.746	3.60	0.0	0.0	16.086	6.217	0.0	11.0	7.982	74.97
14.60	11.0	0.703	3.49	0.0	0.0	15.647	6.391	0.0	10.0	8.427	78.73
14.62	11.0	0.696	3.37	0.0	0.0	15.805	6.327	0.0	10.0	8.346	78.51
14.64	10.0	0.694	3.29	0.0	0.0	14.409	6.94	0.0	9.0	9.461	84.39
14.66	10.0	0.642	3.25	0.0	0.0	15.576	6.42	0.0	9.0	8.756	82.52
14.68	10.0	0.603	3.16	0.0	0.0	16.584	6.03	0.0	9.0	8.229	81.05
14.70	9.0	0.573	3.10	0.0	0.0	15.707	6.367	0.0	8.0	9.06	86.68
14.72	9.0	0.547	3.04	0.0	0.0	16.453	6.078	0.0	8.0	8.654	85.57
14.74	8.0	0.526	2.99	0.0	0.0	15.209	6.575	0.0	7.0	9.892	92.84
14.76	8.0	0.494	2.93	0.0	0.0	16.194	6.175	0.0	7.0	9.296	91.26
14.78	7.0	0.481	2.91	0.0	0.0	14.553	6.871	0.0	6.0	11.158	100.81
14.80	7.0	0.478	2.93	0.0	0.0	14.644	6.829	0.0	6.0	11.098	100.67
14.82	8.0	0.467	2.97	0.0	0.0	17.131	5.838	0.0	7.0	8.805	89.91
14.84	8.0	0.439	3.06	0.0	0.0	18.223	5.488	0.0	7.0	8.283	88.41
14.86	8.0	0.412	3.14	0.0	0.0	19.417	5.15	0.0	7.0	7.778	86.91
14.88	9.0	0.386	3.20	0.0	0.0	23.316	4.289	0.0	8.0	6.134	77.67
14.90	9.0	0.365	3.26	0.0	0.0	24.658	4.056	0.0	8.0	5.803	76.48
14.92	9.0	0.346	3.26	0.0	0.0	26.012	3.844	0.0	8.0	5.504	75.36
14.94	9.0	0.329	3.30	0.0	0.0	27.356	3.656	0.0	8.0	5.237	74.33
14.96	9.0	0.305	3.29	0.0	0.0	29.508	3.389	0.0	8.0	4.858	72.8
14.98	8.0	0.313	3.25	0.0	0.0	25.559	3.913	0.0	7.0	5.933	80.73
15.00	0.0	0.0	0.00	0.0	0.0	0.0	0.0	0.0	-1.0	0.0	0

NATURA LITOLOGICA (Robertson 1986)

Profondità (m)	Litologia: Robertson 1986
0.02	Limi sabbiosi e Limi argillosi
0.04	Limi argillosi e Argille limose
0.06	Limi argillosi e Argille limose
0.08	Argille limose - Argille
0.10	Argille limose - Argille
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0.20	Argille limose - Argille
0.22	Argille limose - Argille
0.24	Argille limose - Argille
0.26	Argille limose - Argille
0.28	Argille limose - Argille
0.30	Limi argillosi e Argille limose
0.32	Argille limose - Argille
0.34	Limi argillosi e Argille limose
0.36	Limi argillosi e Argille limose
0.38	Limi argillosi e Argille limose
0.40	Limi argillosi e Argille limose
0.42	Limi argillosi e Argille limose
0.44	Limi argillosi e Argille limose
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0.48	Limi argillosi e Argille limose
0.50	Limi argillosi e Argille limose
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0.54	Argille limose - Argille
0.56	Limi argillosi e Argille limose
0.58	Limi argillosi e Argille limose
0.60	Limi argillosi e Argille limose
0.62	Argille limose - Argille
0.64	Argille limose - Argille
0.66	Argille limose - Argille
0.68	Argille limose - Argille
0.70	Argille limose - Argille
0.72	Argille limose - Argille
0.74	Argille limose - Argille
0.76	Argille limose - Argille
0.78	Argille limose - Argille
0.80	Argille limose - Argille
0.82	Argille limose - Argille
0.84	Argille limose - Argille
0.86	Argille limose - Argille
0.88	Limi argillosi e Argille limose
0.90	Limi argillosi e Argille limose
0.92	Limi argillosi e Argille limose
0.94	Limi argillosi e Argille limose
0.96	Limi argillosi e Argille limose
0.98	Limi argillosi e Argille limose
1.00	Limi argillosi e Argille limose
1.02	Argille limose - Argille
1.04	Argille
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1.08	Argille
1.10	Argille
1.12	Argille limose - Argille
1.14	Limi argillosi e Argille limose
1.16	Limi argillosi e Argille limose
1.18	Limi argillosi e Argille limose
1.20	Limi argillosi e Argille limose
1.22	Argille limose - Argille
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1.46	Argille limose - Argille
1.48	Argille limose - Argille
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15.00	Stima non eseguibile

STIMA PARAMETRI GEOTECNICI

Nr:	Numero progressivo strato
Prof:	Profondità strato (m)
Tipo:	C: Coesivo. I: Incoerente. CI: Coesivo-Incoerente
Cu:	Coesione non drenata (Kg/cm ²)
Eu:	Modulo di defomazione non drenato (Kg/cm ²)
Mo:	Modulo Edometrico (Kg/cm ²)
G:	Modulo di deformazione a taglio (Kg/cm ²)
OCR:	Grado di sovraconsolidazione
Puv:	Peso unità di volume (t/m ³)
PuvS:	Peso unità di volume saturo (t/m ³)
Dr:	Densità relativa (%)
Fi:	Angolo di resistenza al taglio (°)

Ey: Modulo di Young (Kg/cm²)
Vs: Velocità onde di taglio (m/s)

Nr.	Prof.	Tipo	Cu	Eu	Mo	G	OCR	Puv	PuvS	Dr	Fi	Ey	Vs
1	0.06	CI	0.7	512.3	48.2	138.4	<0.5	1.9	2.0	100.0	45.0	34.2	123.99
2	0.28	C	0.7	486.3	47.8	134.2	>9	1.9	2.0	--	--	--	131.94
3	0.30	C	0.7	485.4	47.8	134.2	>9	1.9	2.0	--	--	--	143.67
4	0.32	C	0.6	447.8	46.8	127.8	>9	1.9	2.0	--	--	--	143.12
5	0.52	C	0.7	507.0	48.2	138.0	>9	1.9	2.0	--	--	--	153.66
6	0.54	C	0.6	446.2	46.8	127.8	>9	1.9	2.0	--	--	--	155.90
7	0.60	C	0.6	420.9	45.9	123.4	>9	1.9	2.0	--	--	--	156.10
8	0.86	C	0.4	317.9	40.2	104.4	>9	1.8	1.9	--	--	--	154.29
9	1.00	C	0.5	357.8	42.9	112.3	7.2	1.8	1.9	--	--	--	163.64
10	1.12	C	0.4	292.6	38.4	99.8	>9	1.8	1.9	--	--	--	161.29
11	1.20	C	0.6	441.9	46.8	127.8	8.9	1.9	2.0	--	--	--	176.13
12	3.52	C	0.4	261.2	36.6	95.3	5.5	1.8	1.9	--	--	--	181.85
13	3.72	C	0.6	431.1	47.0	128.5	3.5	1.9	2.0	--	--	--	207.83
14	4.30	C	0.5	376.9	44.9	119.1	4.5	1.9	1.9	--	--	--	205.06
15	4.34	C	0.6	443.7	47.4	131.0	3.2	1.9	2.0	--	--	--	212.39
16	4.74	C	0.4	293.0	39.9	103.5	2.7	1.8	1.9	--	--	--	198.99
17	4.76	C	0.5	348.5	43.5	114.3	2.0	1.8	1.9	--	--	--	205.82
18	5.10	C	0.4	246.4	36.2	94.3	2.5	1.8	1.9	--	--	--	195.10
19	5.14	C	0.5	328.5	42.4	110.8	1.8	1.8	1.9	--	--	--	205.41
20	5.22	C	0.4	290.8	39.9	103.5	2.2	1.8	1.9	--	--	--	201.53
21	5.24	C	0.5	346.9	43.5	114.3	2.0	1.8	1.9	--	--	--	207.72
22	6.12	C	0.4	276.4	38.9	101.0	2.6	1.8	1.9	--	--	--	201.90
23	6.18	C	0.5	306.3	41.2	107.2	1.5	1.8	1.9	--	--	--	207.23
24	6.22	C	0.4	287.4	39.9	103.5	1.6	1.8	1.9	--	--	--	205.25
25	6.32	C	0.5	336.0	43.1	112.9	1.7	1.8	1.9	--	--	--	210.83
26	6.68	C	0.5	342.7	43.5	114.3	2.6	1.8	1.9	--	--	--	212.41
27	6.72	C	0.6	417.0	46.8	127.8	2.3	1.9	2.0	--	--	--	220.26
28	7.54	C	0.4	268.3	38.7	100.3	2.2	1.8	1.9	--	--	--	206.42
29	7.62	C	0.6	414.1	46.8	127.8	1.7	1.9	2.0	--	--	--	223.31
30	7.72	C	0.5	331.3	43.1	112.9	2.0	1.8	1.9	--	--	--	215.56
31	7.92	C	0.8	552.0	48.2	150.6	2.8	1.9	2.0	--	--	--	235.28
32	7.98	C	0.5	362.8	44.8	118.9	2.6	1.9	1.9	--	--	--	219.81
33	8.24	C	1.0	700.7	42.7	173.0	3.2	2.0	2.0	--	--	--	246.23
34	10.94	C	0.4	239.1	37.0	96.2	1.8	1.8	1.9	--	--	--	211.49
35	11.08	C	0.5	288.9	41.2	107.2	0.8	1.8	1.9	--	--	--	222.45
36	14.98	C	0.6	411.2	47.3	130.8	3.1	1.9	2.0	--	--	--	241.43

PROVA ... CPTU N°3

Committente: Comune di San Giovanni Persiceto

Strumento utilizzato: PAGANI 200 kN (CPTU)

Prova eseguita in data: 05/11/2017

Profondità prova: 15.00 mt

Località: S. Giovanni Persiceto

RESISTENZE / LITOLOGIE

Profondità

qc	Resistenza punta (Kg/cm ²);
fs	Resistenza laterale (Kg/cm ²);
Tilt	Inclinazione (°)
Temp	Temperatura (°)
Fr	fs/qcx100 (Schmertmann)
qcn	qc normalizzata (Kg/cm ²);
fsn	fs normalizzato (Kg/cm ²);
U2	Pressione neutrale intorno al cono (Kg/cm ²);
Uo	Pressione neutrale rilevata (Kg/cm ²);
Fc	Contenuto in materiale fine(%)

Profondità	qc	fs	U2	Tilt	Temp	qc/fs	Fr	Uo	qcn	fsn	FC%
0.02	11.0	0.061	0.03	0.0	0.0	180.328	0.555	0.0	0.0	0.0	0
0.04	15.0	0.125	0.06	0.0	0.0	120.0	0.833	0.0	0.0	0.0	0
0.06	17.0	0.225	0.06	0.0	0.0	75.556	1.324	0.0	0.0	0.0	0
0.08	17.0	0.34	0.03	0.0	0.0	50.0	2.0	0.0	0.0	0.0	0

0.10	17.0	0.488	-0.02	0.0	0.0	34.836	2.871	0.0	0.0	0.0	0
0.12	16.0	0.662	-0.13	0.0	0.0	24.169	4.138	0.0	0.0	0.0	0
0.14	15.0	0.845	-0.19	0.0	0.0	17.751	5.633	0.0	0.0	0.0	0
0.16	15.0	0.967	-0.24	0.0	0.0	15.512	6.447	0.0	0.0	0.0	0
0.18	14.0	1.066	-0.26	0.0	0.0	13.133	7.614	0.0	0.0	0.0	0
0.20	13.0	1.096	-0.27	0.0	0.0	11.861	8.431	0.0	0.0	0.0	0
0.22	13.0	1.065	-0.28	0.0	0.0	12.207	8.192	0.0	0.0	0.0	0
0.24	12.0	1.035	-0.31	0.0	0.0	11.594	8.625	0.0	0.0	0.0	0
0.26	11.0	0.979	-0.34	0.0	0.0	11.236	8.9	0.0	0.0	0.0	0
0.28	10.0	0.922	-0.36	0.0	0.0	10.846	9.22	0.0	0.0	0.0	0
0.30	11.0	0.792	-0.53	0.0	0.0	13.889	7.2	0.0	0.0	0.0	0
0.32	12.0	0.795	-0.40	0.0	0.0	15.094	6.625	0.0	0.0	0.0	0
0.34	12.0	0.785	0.07	0.0	0.0	15.287	6.542	0.0	0.0	0.0	0
0.36	12.0	0.746	0.15	0.0	0.0	16.086	6.217	0.0	0.0	0.0	0
0.38	12.0	0.697	0.15	0.0	0.0	17.217	5.808	0.0	0.0	0.0	0
0.40	12.0	0.68	0.18	0.0	0.0	17.647	5.667	0.0	0.0	0.0	0
0.42	13.0	0.646	0.15	0.0	0.0	20.124	4.969	0.0	0.0	0.0	0
0.44	13.0	0.644	0.15	0.0	0.0	20.186	4.954	0.0	0.0	0.0	0
0.46	14.0	0.636	0.11	0.0	0.0	22.013	4.543	0.0	0.0	0.0	0
0.48	14.0	0.664	0.03	0.0	0.0	21.084	4.743	0.0	0.0	0.0	0
0.50	14.0	0.719	-0.01	0.0	0.0	19.471	5.136	0.0	0.0	0.0	0
0.52	13.0	0.743	-0.02	0.0	0.0	17.497	5.715	0.0	0.0	0.0	0
0.54	13.0	0.779	-0.02	0.0	0.0	16.688	5.992	0.0	0.0	0.0	0
0.56	13.0	0.791	-0.04	0.0	0.0	16.435	6.085	0.0	0.0	0.0	0
0.58	13.0	0.798	-0.04	0.0	0.0	16.291	6.138	0.0	0.0	0.0	0
0.60	12.0	0.791	-0.04	0.0	0.0	15.171	6.592	0.0	0.0	0.0	0
0.62	12.0	0.767	-0.09	0.0	0.0	15.645	6.392	0.0	0.0	0.0	0
0.64	12.0	0.768	-0.09	0.0	0.0	15.625	6.4	0.0	0.0	0.0	0
0.66	12.0	0.778	-0.09	0.0	0.0	15.424	6.483	0.0	0.0	0.0	0
0.68	11.0	0.774	-0.11	0.0	0.0	14.212	7.036	0.0	0.0	0.0	0
0.70	11.0	0.76	-0.11	0.0	0.0	14.474	6.909	0.0	0.0	0.0	0
0.72	10.0	0.737	-0.11	0.0	0.0	13.569	7.37	0.0	0.0	0.0	0
0.74	11.0	0.715	-0.11	0.0	0.0	15.385	6.5	0.0	0.0	0.0	0
0.76	10.0	0.685	-0.09	0.0	0.0	14.599	6.85	0.0	0.0	0.0	0
0.78	10.0	0.657	-0.09	0.0	0.0	15.221	6.57	0.0	0.0	0.0	0
0.80	10.0	0.612	-0.08	0.0	0.0	16.34	6.12	0.0	0.0	0.0	0
0.82	10.0	0.58	-0.04	0.0	0.0	17.241	5.8	0.0	0.0	0.0	0
0.84	10.0	0.537	-0.02	0.0	0.0	18.622	5.37	0.0	0.0	0.0	0
0.86	10.0	0.516	0.00	0.0	0.0	19.38	5.16	0.0	0.0	0.0	0
0.88	10.0	0.493	-0.01	0.0	0.0	20.284	4.93	0.0	0.0	0.0	0
0.90	9.0	0.478	0.00	0.0	0.0	18.828	5.311	0.0	0.0	0.0	0
0.92	9.0	0.454	0.00	0.0	0.0	19.824	5.044	0.0	0.0	0.0	0
0.94	9.0	0.448	0.02	0.0	0.0	20.089	4.978	0.0	0.0	0.0	0
0.96	8.0	0.453	0.02	0.0	0.0	17.66	5.663	0.0	0.0	0.0	0
0.98	8.0	0.448	0.03	0.0	0.0	17.857	5.6	0.0	0.0	0.0	0
1.00	8.0	0.429	0.04	0.0	0.0	18.648	5.363	0.0	0.0	0.0	0
1.02	8.0	0.422	0.06	0.0	0.0	18.957	5.275	0.0	0.0	0.0	0
1.04	8.0	0.415	0.07	0.0	0.0	19.277	5.188	0.0	0.0	0.0	0
1.06	7.0	0.395	0.07	0.0	0.0	17.722	5.643	0.0	0.0	0.0	0
1.08	7.0	0.371	0.10	0.0	0.0	18.868	5.3	0.0	0.0	0.0	0
1.10	8.0	0.344	0.13	0.0	0.0	23.256	4.3	0.0	0.0	0.0	0
1.12	7.0	0.344	0.14	0.0	0.0	20.349	4.914	0.0	0.0	0.0	0
1.14	7.0	0.323	0.15	0.0	0.0	21.672	4.614	0.0	0.0	0.0	0
1.16	7.0	0.303	0.14	0.0	0.0	23.102	4.329	0.0	0.0	0.0	0
1.18	6.0	0.318	0.23	0.0	0.0	18.868	5.3	0.0	0.0	0.0	0
1.20	6.0	0.331	0.26	0.0	0.0	18.127	5.517	0.0	0.0	0.0	0
1.22	6.0	0.319	0.29	0.0	0.0	18.809	5.317	0.0	0.0	0.0	0
1.24	6.0	0.304	0.33	0.0	0.0	19.737	5.067	0.0	0.0	0.0	0
1.26	7.0	0.263	0.38	0.0	0.0	26.616	3.757	0.0	0.0	0.0	0
1.28	8.0	0.23	0.72	0.0	0.0	34.783	2.875	0.0	0.0	0.0	0
1.30	8.0	0.224	0.75	0.0	0.0	35.714	2.8	0.0	0.0	0.0	0
1.32	8.0	0.225	0.78	0.0	0.0	35.556	2.813	0.0	0.0	0.0	0
1.34	8.0	0.239	0.70	0.0	0.0	33.473	2.988	0.0	0.0	0.0	0
1.36	7.0	0.269	0.65	0.0	0.0	26.022	3.843	0.0	0.0	0.0	0
1.38	8.0	0.294	0.57	0.0	0.0	27.211	3.675	0.0	0.0	0.0	0
1.40	8.0	0.33	0.48	0.0	0.0	24.242	4.125	0.0	0.0	0.0	0
1.42	7.0	0.366	0.48	0.0	0.0	19.126	5.229	0.0	0.0	0.0	0
1.44	7.0	0.374	0.49	0.0	0.0	18.717	5.343	0.0	0.0	0.0	0
1.46	6.0	0.373	0.52	0.0	0.0	16.086	6.217	0.0	0.0	0.0	0
1.48	7.0	0.323	0.60	0.0	0.0	21.672	4.614	0.0	0.0	0.0	0

1.50	7.0	0.29	0.55	0.0	0.0	24.138	4.143	0.0	0.0	0.0	0
1.52	7.0	0.278	0.56	0.0	0.0	25.18	3.971	0.0	0.0	0.0	0
1.54	8.0	0.223	0.59	0.0	0.0	35.874	2.788	0.0	0.0	0.0	0
1.56	8.0	0.205	0.41	0.0	0.0	39.024	2.563	0.0	0.0	0.0	0
1.58	8.0	0.21	0.56	0.0	0.0	38.095	2.625	0.0	0.0	0.0	0
1.60	9.0	0.192	0.61	0.0	0.0	46.875	2.133	0.0	0.0	0.0	0
1.62	8.0	0.199	0.42	0.0	0.0	40.201	2.488	0.0	0.0	0.0	0
1.64	8.0	0.232	0.49	0.0	0.0	34.483	2.9	0.0	0.0	0.0	0
1.66	8.0	0.239	0.52	0.0	0.0	33.473	2.988	0.0	0.0	0.0	0
1.68	7.0	0.261	0.41	0.0	0.0	26.82	3.729	0.0	0.0	0.0	0
1.70	6.0	0.281	0.45	0.0	0.0	21.352	4.683	0.0	0.0	0.0	0
1.72	6.0	0.295	0.56	0.0	0.0	20.339	4.917	0.0	0.0	0.0	0
1.74	7.0	0.287	0.63	0.0	0.0	24.39	4.1	0.0	0.0	0.0	0
1.76	8.0	0.272	0.57	0.0	0.0	29.412	3.4	0.0	0.0	0.0	0
1.78	7.0	0.26	0.59	0.0	0.0	26.923	3.714	0.0	0.0	0.0	0
1.80	8.0	0.248	0.68	0.0	0.0	32.258	3.1	0.0	0.0	0.0	0
1.82	7.0	0.218	0.71	0.0	0.0	32.11	3.114	0.0	0.0	0.0	0
1.84	7.0	0.202	0.67	0.0	0.0	34.653	2.886	0.0	0.0	0.0	0
1.86	7.0	0.218	0.71	0.0	0.0	32.11	3.114	0.0	0.0	0.0	0
1.88	7.0	0.218	0.78	0.0	0.0	32.11	3.114	0.0	0.0	0.0	0
1.90	7.0	0.212	0.80	0.0	0.0	33.019	3.029	0.0	0.0	0.0	0
1.92	7.0	0.225	0.84	0.0	0.0	31.111	3.214	0.0	0.0	0.0	0
1.94	7.0	0.207	0.90	0.0	0.0	33.816	2.957	0.0	0.0	0.0	0
1.96	8.0	0.2	0.91	0.0	0.0	40.0	2.5	0.0	0.0	0.0	0
1.98	8.0	0.198	0.55	0.0	0.0	40.404	2.475	0.0	0.0	0.0	0
2.00	9.0	0.23	0.56	0.0	0.0	39.13	2.556	0.0	0.0	0.0	0
2.02	11.0	0.243	0.61	0.0	0.0	45.267	2.209	0.0	0.0	0.0	0
2.04	10.0	0.255	0.27	0.0	0.0	39.216	2.55	0.0	0.0	0.0	0
2.06	9.0	0.266	0.06	0.0	0.0	33.835	2.956	0.0	0.0	0.0	0
2.08	9.0	0.254	0.06	0.0	0.0	35.433	2.822	0.0	0.0	0.0	0
2.10	9.0	0.261	0.11	0.0	0.0	34.483	2.9	0.0	0.0	0.0	0
2.12	9.0	0.251	0.11	0.0	0.0	35.857	2.789	0.0	0.0	0.0	0
2.14	9.0	0.255	0.07	0.0	0.0	35.294	2.833	0.0	0.0	0.0	0
2.16	9.0	0.274	0.00	0.0	0.0	32.847	3.044	0.0	0.0	0.0	0
2.18	8.0	0.275	0.04	0.0	0.0	29.091	3.438	0.0	0.0	0.0	0
2.20	7.0	0.241	0.13	0.0	0.0	29.046	3.443	0.0	0.0	0.0	0
2.22	7.0	0.213	0.29	0.0	0.0	32.864	3.043	0.0	0.0	0.0	0
2.24	9.0	0.228	0.60	0.0	0.0	39.474	2.533	0.0	0.0	0.0	0
2.26	9.0	0.25	0.76	0.0	0.0	36.0	2.778	0.0	0.0	0.0	0
2.28	8.0	0.246	0.78	0.0	0.0	32.52	3.075	0.0	0.0	0.0	0
2.30	8.0	0.254	0.90	0.0	0.0	31.496	3.175	0.0	0.0	0.0	0
2.32	8.0	0.25	1.06	0.0	0.0	32.0	3.125	0.0	0.0	0.0	0
2.34	8.0	0.229	1.29	0.0	0.0	34.934	2.863	0.0	0.0	0.0	0
2.36	8.0	0.222	1.32	0.0	0.0	36.036	2.775	0.0	0.0	0.0	0
2.38	8.0	0.224	1.33	0.0	0.0	35.714	2.8	0.0	0.0	0.0	0
2.40	8.0	0.219	1.37	0.0	0.0	36.53	2.738	0.0	0.0	0.0	0
2.42	8.0	0.219	1.41	0.0	0.0	36.53	2.738	0.0	0.0	0.0	0
2.44	8.0	0.21	1.35	0.0	0.0	38.095	2.625	0.0	0.0	0.0	0
2.46	8.0	0.222	1.37	0.0	0.0	36.036	2.775	0.0	0.0	0.0	0
2.48	9.0	0.233	1.33	0.0	0.0	38.627	2.589	0.0	0.0	0.0	0
2.50	9.0	0.258	1.28	0.0	0.0	34.884	2.867	0.0	0.0	0.0	0
2.52	9.0	0.267	0.95	0.0	0.0	33.708	2.967	0.0	0.0	0.0	0
2.54	8.0	0.271	0.88	0.0	0.0	29.52	3.388	0.0	0.0	0.0	0
2.56	7.0	0.266	0.93	0.0	0.0	26.316	3.8	0.0	0.0	0.0	0
2.58	7.0	0.229	1.05	0.0	0.0	30.568	3.271	0.0	0.0	0.0	0
2.60	8.0	0.211	1.13	0.0	0.0	37.915	2.638	0.0	0.0	0.0	0
2.62	9.0	0.211	1.20	0.0	0.0	42.654	2.344	0.0	0.0	0.0	0
2.64	10.0	0.212	1.18	0.0	0.0	47.17	2.12	0.0	0.0	0.0	0
2.66	11.0	0.222	1.18	0.0	0.0	49.55	2.018	0.0	0.0	0.0	0
2.68	12.0	0.25	0.72	0.0	0.0	48.0	2.083	0.0	0.0	0.0	0
2.70	11.0	0.29	0.40	0.0	0.0	37.931	2.636	0.0	0.0	0.0	0
2.72	9.0	0.29	0.32	0.0	0.0	31.034	3.222	0.0	0.0	0.0	0
2.74	9.0	0.264	0.42	0.0	0.0	34.091	2.933	0.0	0.0	0.0	0
2.76	9.0	0.24	0.57	0.0	0.0	37.5	2.667	0.0	0.0	0.0	0
2.78	9.0	0.224	0.61	0.0	0.0	40.179	2.489	0.0	0.0	0.0	0
2.80	9.0	0.223	0.53	0.0	0.0	40.359	2.478	0.0	0.0	0.0	0
2.82	9.0	0.247	0.45	0.0	0.0	36.437	2.744	0.0	0.0	0.0	0
2.84	9.0	0.245	0.51	0.0	0.0	36.735	2.722	0.0	0.0	0.0	0
2.86	8.0	0.234	0.52	0.0	0.0	34.188	2.925	0.0	0.0	0.0	0
2.88	8.0	0.217	0.74	0.0	0.0	36.866	2.713	0.0	0.0	0.0	0

2.90	8.0	0.197	0.64	0.0	0.0	40.609	2.463	0.0	0.0	0.0	0
2.92	8.0	0.211	0.53	0.0	0.0	37.915	2.638	0.0	0.0	0.0	0
2.94	7.0	0.236	0.51	0.0	0.0	29.661	3.371	0.0	0.0	0.0	0
2.96	6.0	0.229	0.52	0.0	0.0	26.201	3.817	0.0	0.0	0.0	0
2.98	6.0	0.218	0.60	0.0	0.0	27.523	3.633	0.0	0.0	0.0	0
3.00	6.0	0.193	0.72	0.0	0.0	31.088	3.217	0.0	0.0	0.0	0
3.02	6.0	0.161	0.86	0.0	0.0	37.267	2.683	0.0	0.0	0.0	0
3.04	7.0	0.158	1.01	0.0	0.0	44.304	2.257	0.0	0.0	0.0	0
3.06	7.0	0.151	1.12	0.0	0.0	46.358	2.157	0.0	0.0	0.0	0
3.08	8.0	0.149	1.16	0.0	0.0	53.691	1.863	0.0	0.0	0.0	0
3.10	8.0	0.157	1.25	0.0	0.0	50.955	1.963	0.0	0.0	0.0	0
3.12	8.0	0.175	1.32	0.0	0.0	45.714	2.188	0.0	0.0	0.0	0
3.14	8.0	0.199	1.37	0.0	0.0	40.201	2.488	0.0	0.0	0.0	0
3.16	8.0	0.24	1.41	0.0	0.0	33.333	3.0	0.0	0.0	0.0	0
3.18	8.0	0.252	1.28	0.0	0.0	31.746	3.15	0.0	0.0	0.0	0
3.20	8.0	0.292	1.14	0.0	0.0	27.397	3.65	0.0	0.0	0.0	0
3.22	7.0	0.292	1.98	0.0	0.0	23.973	4.171	0.0	0.0	0.0	0
3.24	7.0	0.296	1.67	0.0	0.0	23.649	4.229	0.0	0.0	0.0	0
3.26	6.0	0.273	1.10	0.0	0.0	21.978	4.55	0.0	0.0	0.0	0
3.28	6.0	0.308	1.05	0.0	0.0	19.481	5.133	0.0	0.0	0.0	0
3.30	6.0	0.332	1.09	0.0	0.0	18.072	5.533	0.0	0.0	0.0	0
3.32	6.0	0.337	1.18	0.0	0.0	17.804	5.617	0.0	0.0	0.0	0
3.34	6.0	0.357	1.22	0.0	0.0	16.807	5.95	0.0	0.0	0.0	0
3.36	6.0	0.366	1.21	0.0	0.0	16.393	6.1	0.0	0.0	0.0	0
3.38	7.0	0.359	1.29	0.0	0.0	19.499	5.129	0.0	0.0	0.0	0
3.40	7.0	0.354	1.28	0.0	0.0	19.774	5.057	0.0	0.0	0.0	0
3.42	7.0	0.347	1.26	0.0	0.0	20.173	4.957	0.0	0.0	0.0	0
3.44	7.0	0.351	1.28	0.0	0.0	19.943	5.014	0.0	0.0	0.0	0
3.46	7.0	0.352	1.25	0.0	0.0	19.886	5.029	0.0	0.0	0.0	0
3.48	7.0	0.366	1.28	0.0	0.0	19.126	5.229	0.0	0.0	0.0	0
3.50	8.0	0.39	1.33	0.0	0.0	20.513	4.875	0.0	0.0	0.0	0
3.52	8.0	0.409	1.39	0.0	0.0	19.56	5.113	0.0	0.0	0.0	0
3.54	8.0	0.429	1.44	0.0	0.0	18.648	5.363	0.0	0.0	0.0	0
3.56	8.0	0.42	1.37	0.0	0.0	19.048	5.25	0.0	0.0	0.0	0
3.58	8.0	0.427	1.33	0.0	0.0	18.735	5.338	0.0	0.0	0.0	0
3.60	8.0	0.438	1.37	0.0	0.0	18.265	5.475	0.0	0.0	0.0	0
3.62	9.0	0.439	1.33	0.0	0.0	20.501	4.878	0.0	0.0	0.0	0
3.64	9.0	0.45	1.37	0.0	0.0	20.0	5.0	0.0	0.0	0.0	0
3.66	9.0	0.468	1.35	0.0	0.0	19.231	5.2	0.0	0.0	0.0	0
3.68	9.0	0.478	1.33	0.0	0.0	18.828	5.311	0.0	0.0	0.0	0
3.70	9.0	0.499	1.39	0.0	0.0	18.036	5.544	0.0	0.0	0.0	0
3.72	9.0	0.53	1.35	0.0	0.0	16.981	5.889	0.0	0.0	0.0	0
3.74	9.0	0.547	1.36	0.0	0.0	16.453	6.078	0.0	0.0	0.0	0
3.76	9.0	0.568	1.39	0.0	0.0	15.845	6.311	0.0	0.0	0.0	0
3.78	10.0	0.575	1.39	0.0	0.0	17.391	5.75	0.0	0.0	0.0	0
3.80	10.0	0.611	1.43	0.0	0.0	16.367	6.11	0.0	0.0	0.0	0
3.82	11.0	0.634	1.54	0.0	0.0	17.35	5.764	0.0	0.0	0.0	0
3.84	12.0	0.633	1.48	0.0	0.0	18.957	5.275	0.0	0.0	0.0	0
3.86	13.0	0.657	1.40	0.0	0.0	19.787	5.054	0.0	0.0	0.0	0
3.88	12.0	0.682	0.61	0.0	0.0	17.595	5.683	0.0	0.0	0.0	0
3.90	10.0	0.714	0.40	0.0	0.0	14.006	7.14	0.0	0.0	0.0	0
3.92	11.0	0.726	0.44	0.0	0.0	15.152	6.6	0.0	0.0	0.0	0
3.94	11.0	0.738	0.46	0.0	0.0	14.905	6.709	0.0	0.0	0.0	0
3.96	11.0	0.76	0.51	0.0	0.0	14.474	6.909	0.0	0.0	0.0	0
3.98	11.0	0.764	0.55	0.0	0.0	14.398	6.945	0.0	0.0	0.0	0
4.00	12.0	0.751	0.61	0.0	0.0	15.979	6.258	0.0	0.0	0.0	0
4.02	12.0	0.726	0.65	0.0	0.0	16.529	6.05	0.0	0.0	0.0	0
4.04	12.0	0.707	0.67	0.0	0.0	16.973	5.892	0.0	0.0	0.0	0
4.06	12.0	0.699	0.70	0.0	0.0	17.167	5.825	0.0	0.0	0.0	0
4.08	12.0	0.669	0.72	0.0	0.0	17.937	5.575	0.0	0.0	0.0	0
4.10	12.0	0.66	0.74	0.0	0.0	18.182	5.5	0.0	0.0	0.0	0
4.12	12.0	0.681	0.75	0.0	0.0	17.621	5.675	0.0	0.0	0.0	0
4.14	12.0	0.69	0.78	0.0	0.0	17.391	5.75	0.0	0.0	0.0	0
4.16	13.0	0.707	0.82	0.0	0.0	18.388	5.438	0.0	0.0	0.0	0
4.18	13.0	0.711	0.83	0.0	0.0	18.284	5.469	0.0	0.0	0.0	0
4.20	13.0	0.856	1.35	0.0	0.0	15.187	6.585	0.0	0.0	0.0	0
4.22	13.0	0.896	1.37	0.0	0.0	14.509	6.892	0.0	0.0	0.0	0
4.24	13.0	0.911	1.39	0.0	0.0	14.27	7.008	0.0	0.0	0.0	0
4.26	14.0	0.92	1.44	0.0	0.0	15.217	6.571	0.0	0.0	0.0	0
4.28	14.0	0.937	1.56	0.0	0.0	14.941	6.693	0.0	0.0	0.0	0

4.30	15.0	0.912	1.63	0.0	0.0	16.447	6.08	0.0	0.0	0.0	0
4.32	15.0	0.873	1.67	0.0	0.0	17.182	5.82	0.0	0.0	0.0	0
4.34	15.0	0.841	1.67	0.0	0.0	17.836	5.607	0.0	0.0	0.0	0
4.36	15.0	0.829	1.71	0.0	0.0	18.094	5.527	0.0	0.0	0.0	0
4.38	15.0	0.837	1.75	0.0	0.0	17.921	5.58	0.0	0.0	0.0	0
4.40	16.0	0.848	1.77	0.0	0.0	18.868	5.3	0.0	0.0	0.0	0
4.42	16.0	0.872	1.85	0.0	0.0	18.349	5.45	0.0	0.0	0.0	0
4.44	15.0	0.91	1.82	0.0	0.0	16.484	6.067	0.0	0.0	0.0	0
4.46	15.0	0.935	1.83	0.0	0.0	16.043	6.233	0.0	0.0	0.0	0
4.48	15.0	0.97	1.75	0.0	0.0	15.464	6.467	0.0	0.0	0.0	0
4.50	15.0	1.008	1.63	0.0	0.0	14.881	6.72	0.0	0.0	0.0	0
4.52	14.0	1.047	1.43	0.0	0.0	13.372	7.479	0.0	0.0	0.0	0
4.54	14.0	1.104	1.32	0.0	0.0	12.681	7.886	0.0	0.0	0.0	0
4.56	13.0	1.169	1.28	0.0	0.0	11.121	8.992	0.0	0.0	0.0	0
4.58	14.0	1.223	1.37	0.0	0.0	11.447	8.736	0.0	0.0	0.0	0
4.60	14.0	1.251	1.52	0.0	0.0	11.191	8.936	0.0	0.0	0.0	0
4.62	13.0	1.253	1.52	0.0	0.0	10.375	9.638	0.0	0.0	0.0	0
4.64	12.0	1.186	1.55	0.0	0.0	10.118	9.883	0.0	0.0	0.0	0
4.66	12.0	1.094	1.51	0.0	0.0	10.969	9.117	0.0	0.0	0.0	0
4.68	12.0	1.008	1.48	0.0	0.0	11.905	8.4	0.0	0.0	0.0	0
4.70	11.0	0.922	1.47	0.0	0.0	11.931	8.382	0.0	0.0	0.0	0
4.72	10.0	0.855	1.44	0.0	0.0	11.696	8.55	0.0	0.0	0.0	0
4.74	10.0	0.755	1.43	0.0	0.0	13.245	7.55	0.0	0.0	0.0	0
4.76	9.0	0.69	1.44	0.0	0.0	13.043	7.667	0.0	0.0	0.0	0
4.78	10.0	0.616	1.47	0.0	0.0	16.234	6.16	0.0	0.0	0.0	0
4.80	9.0	0.56	1.41	0.0	0.0	16.071	6.222	0.0	0.0	0.0	0
4.82	9.0	0.524	1.47	0.0	0.0	17.176	5.822	0.0	0.0	0.0	0
4.84	9.0	0.451	1.47	0.0	0.0	19.956	5.011	0.0	0.0	0.0	0
4.86	9.0	0.389	1.48	0.0	0.0	23.136	4.322	0.0	0.0	0.0	0
4.88	9.0	0.357	1.47	0.0	0.0	25.21	3.967	0.0	0.0	0.0	0
4.90	9.0	0.35	1.47	0.0	0.0	25.714	3.889	0.0	0.0	0.0	0
4.92	9.0	0.362	1.48	0.0	0.0	24.862	4.022	0.0	0.0	0.0	0
4.94	8.0	0.355	1.51	0.0	0.0	22.535	4.438	0.0	0.0	0.0	0
4.96	9.0	0.32	1.55	0.0	0.0	28.125	3.556	0.0	0.0	0.0	0
4.98	9.0	0.319	1.59	0.0	0.0	28.213	3.544	0.0	0.0	0.0	0
5.00	9.0	0.316	1.64	0.0	0.0	28.481	3.511	0.0	0.0	0.0	0
5.02	9.0	0.314	1.69	0.0	0.0	28.662	3.489	0.0	0.0	0.0	0
5.04	10.0	0.312	1.77	0.0	0.0	32.051	3.12	0.0	0.0	0.0	0
5.06	10.0	0.291	1.85	0.0	0.0	34.364	2.91	0.0	0.0	0.0	0
5.08	10.0	0.282	1.93	0.0	0.0	35.461	2.82	0.0	0.0	0.0	0
5.10	11.0	0.283	1.98	0.0	0.0	38.869	2.573	0.0	0.0	0.0	0
5.12	11.0	0.291	2.04	0.0	0.0	37.801	2.645	0.0	0.0	0.0	0
5.14	11.0	0.29	2.09	0.0	0.0	37.931	2.636	0.0	0.0	0.0	0
5.16	13.0	0.283	2.57	0.0	0.0	45.936	2.177	0.0	0.0	0.0	0
5.18	12.0	0.313	2.54	0.0	0.0	38.339	2.608	0.0	0.0	0.0	0
5.20	12.0	0.332	2.55	0.0	0.0	36.145	2.767	0.0	0.0	0.0	0
5.22	12.0	0.339	2.65	0.0	0.0	35.398	2.825	0.0	0.0	0.0	0
5.24	12.0	0.329	2.74	0.0	0.0	36.474	2.742	0.0	0.0	0.0	0
5.26	12.0	0.339	2.81	0.0	0.0	35.398	2.825	0.0	0.0	0.0	0
5.28	12.0	0.34	2.77	0.0	0.0	35.294	2.833	0.0	0.0	0.0	0
5.30	11.0	0.322	1.96	0.0	0.0	34.161	2.927	0.0	0.0	0.0	0
5.32	11.0	0.357	1.93	0.0	0.0	30.812	3.245	0.0	0.0	0.0	0
5.34	10.0	0.392	2.21	0.0	0.0	25.51	3.92	0.0	0.0	0.0	0
5.36	10.0	0.368	2.34	0.0	0.0	27.174	3.68	0.0	0.0	0.0	0
5.38	11.0	0.349	2.40	0.0	0.0	31.519	3.173	0.0	0.0	0.0	0
5.40	10.0	0.339	2.46	0.0	0.0	29.499	3.39	0.0	0.0	0.0	0
5.42	9.0	0.319	2.55	0.0	0.0	28.213	3.544	0.0	0.0	0.0	0
5.44	10.0	0.291	2.58	0.0	0.0	34.364	2.91	0.0	0.0	0.0	0
5.46	9.0	0.27	2.58	0.0	0.0	33.333	3.0	0.0	0.0	0.0	0
5.48	9.0	0.242	2.55	0.0	0.0	37.19	2.689	0.0	0.0	0.0	0
5.50	8.0	0.257	2.51	0.0	0.0	31.128	3.213	0.0	0.0	0.0	0
5.52	8.0	0.26	2.47	0.0	0.0	30.769	3.25	0.0	0.0	0.0	0
5.54	8.0	0.259	2.47	0.0	0.0	30.888	3.238	0.0	0.0	0.0	0
5.56	10.0	0.263	2.62	0.0	0.0	38.023	2.63	0.0	0.0	0.0	0
5.58	13.0	0.273	2.13	0.0	0.0	47.619	2.1	0.0	0.0	0.0	0
5.60	13.0	0.296	0.57	0.0	0.0	43.919	2.277	0.0	0.0	0.0	0
5.62	11.0	0.339	0.21	0.0	0.0	32.448	3.082	0.0	0.0	0.0	0
5.64	10.0	0.335	0.51	0.0	0.0	29.851	3.35	0.0	0.0	0.0	0
5.66	10.0	0.302	0.63	0.0	0.0	33.113	3.02	0.0	0.0	0.0	0
5.68	11.0	0.288	0.33	0.0	0.0	38.194	2.618	0.0	0.0	0.0	0

5.70	12.0	0.326	0.42	0.0	0.0	36.81	2.717	0.0	0.0	0.0	0
5.72	13.0	0.326	0.21	0.0	0.0	39.877	2.508	0.0	0.0	0.0	0
5.74	11.0	0.335	0.00	0.0	0.0	32.836	3.045	0.0	0.0	0.0	0
5.76	10.0	0.313	0.13	0.0	0.0	31.949	3.13	0.0	0.0	0.0	0
5.78	10.0	0.258	0.87	0.0	0.0	38.76	2.58	0.0	0.0	0.0	0
5.80	12.0	0.233	1.01	0.0	0.0	51.502	1.942	0.0	0.0	0.0	0
5.82	15.0	0.249	0.67	0.0	0.0	60.241	1.66	0.0	0.0	0.0	0
5.84	17.0	0.298	0.18	0.0	0.0	57.047	1.753	0.0	0.0	0.0	0
5.86	18.0	0.381	0.00	0.0	0.0	47.244	2.117	0.0	0.0	0.0	0
5.88	18.0	0.433	-0.09	0.0	0.0	41.57	2.406	0.0	0.0	0.0	0
5.90	16.0	0.442	-0.15	0.0	0.0	36.199	2.763	0.0	0.0	0.0	0
5.92	15.0	0.431	-0.11	0.0	0.0	34.803	2.873	0.0	0.0	0.0	0
5.94	14.0	0.412	0.41	0.0	0.0	33.981	2.943	0.0	0.0	0.0	0
5.96	14.0	0.362	0.87	0.0	0.0	38.674	2.586	0.0	0.0	0.0	0
5.98	14.0	0.345	1.14	0.0	0.0	40.58	2.464	0.0	0.0	0.0	0
6.00	14.0	0.351	1.21	0.0	0.0	39.886	2.507	0.0	0.0	0.0	0
6.02	13.0	0.376	1.31	0.0	0.0	34.574	2.892	0.0	0.0	0.0	0
6.04	12.0	0.351	1.59	0.0	0.0	34.188	2.925	0.0	0.0	0.0	0
6.06	12.0	0.327	2.05	0.0	0.0	36.697	2.725	0.0	0.0	0.0	0
6.08	11.0	0.308	2.80	0.0	0.0	35.714	2.8	0.0	0.0	0.0	0
6.10	12.0	0.283	3.16	0.0	0.0	42.403	2.358	0.0	0.0	0.0	0
6.12	12.0	0.273	3.35	0.0	0.0	43.956	2.275	0.0	0.0	0.0	0
6.14	6.0	-0.114	2.62	0.0	0.0	-52.632	-1.9	0.0	0.0	0.0	0
6.16	15.0	0.43	2.04	0.0	0.0	34.884	2.867	0.0	0.0	0.0	0
6.18	14.0	0.433	2.43	0.0	0.0	32.333	3.093	0.0	0.0	0.0	0
6.20	13.0	0.437	2.43	0.0	0.0	29.748	3.362	0.0	0.0	0.0	0
6.22	13.0	0.467	2.39	0.0	0.0	27.837	3.592	0.0	0.0	0.0	0
6.24	12.0	0.546	2.42	0.0	0.0	21.978	4.55	0.0	0.0	0.0	0
6.26	12.0	0.556	2.65	0.0	0.0	21.583	4.633	0.0	0.0	0.0	0
6.28	12.0	0.494	2.73	0.0	0.0	24.291	4.117	0.0	0.0	0.0	0
6.30	12.0	0.463	2.74	0.0	0.0	25.918	3.858	0.0	0.0	0.0	0
6.32	11.0	0.473	2.42	0.0	0.0	23.256	4.3	0.0	0.0	0.0	0
6.34	11.0	0.455	2.32	0.0	0.0	24.176	4.136	0.0	0.0	0.0	0
6.36	11.0	0.463	2.36	0.0	0.0	23.758	4.209	0.0	0.0	0.0	0
6.38	11.0	0.454	2.45	0.0	0.0	24.229	4.127	0.0	0.0	0.0	0
6.40	11.0	0.445	2.50	0.0	0.0	24.719	4.045	0.0	0.0	0.0	0
6.42	11.0	0.449	2.53	0.0	0.0	24.499	4.082	0.0	0.0	0.0	0
6.44	11.0	0.448	2.53	0.0	0.0	24.554	4.073	0.0	0.0	0.0	0
6.46	11.0	0.439	2.49	0.0	0.0	25.057	3.991	0.0	0.0	0.0	0
6.48	10.0	0.43	2.45	0.0	0.0	23.256	4.3	0.0	0.0	0.0	0
6.50	10.0	0.445	2.38	0.0	0.0	22.472	4.45	0.0	0.0	0.0	0
6.52	9.0	0.456	2.34	0.0	0.0	19.737	5.067	0.0	0.0	0.0	0
6.54	9.0	0.448	2.30	0.0	0.0	20.089	4.978	0.0	0.0	0.0	0
6.56	8.0	0.441	2.30	0.0	0.0	18.141	5.513	0.0	0.0	0.0	0
6.58	8.0	0.411	2.32	0.0	0.0	19.465	5.138	0.0	0.0	0.0	0
6.60	8.0	0.401	2.32	0.0	0.0	19.95	5.013	0.0	0.0	0.0	0
6.62	8.0	0.358	2.32	0.0	0.0	22.346	4.475	0.0	0.0	0.0	0
6.64	8.0	0.337	2.34	0.0	0.0	23.739	4.213	0.0	0.0	0.0	0
6.66	8.0	0.329	2.40	0.0	0.0	24.316	4.113	0.0	0.0	0.0	0
6.68	8.0	0.304	2.49	0.0	0.0	26.316	3.8	0.0	0.0	0.0	0
6.70	8.0	0.271	2.55	0.0	0.0	29.52	3.388	0.0	0.0	0.0	0
6.72	8.0	0.279	2.53	0.0	0.0	28.674	3.488	0.0	0.0	0.0	0
6.74	8.0	0.3	2.51	0.0	0.0	26.667	3.75	0.0	0.0	0.0	0
6.76	8.0	0.29	2.54	0.0	0.0	27.586	3.625	0.0	0.0	0.0	0
6.78	8.0	0.261	2.66	0.0	0.0	30.651	3.263	0.0	0.0	0.0	0
6.80	10.0	0.241	2.83	0.0	0.0	41.494	2.41	0.0	0.0	0.0	0
6.82	10.0	0.232	2.13	0.0	0.0	43.103	2.32	0.0	0.0	0.0	0
6.84	10.0	0.252	1.59	0.0	0.0	39.683	2.52	0.0	0.0	0.0	0
6.86	12.0	0.29	2.49	0.0	0.0	41.379	2.417	0.0	0.0	0.0	0
6.88	13.0	0.26	1.62	0.0	0.0	50.0	2.0	0.0	0.0	0.0	0
6.90	12.0	0.31	1.41	0.0	0.0	38.71	2.583	0.0	0.0	0.0	0
6.92	11.0	0.359	2.07	0.0	0.0	30.641	3.264	0.0	0.0	0.0	0
6.94	11.0	0.326	3.25	0.0	0.0	33.742	2.964	0.0	0.0	0.0	0
6.96	12.0	0.334	3.04	0.0	0.0	35.928	2.783	0.0	0.0	0.0	0
6.98	12.0	0.338	2.88	0.0	0.0	35.503	2.817	0.0	0.0	0.0	0
7.00	13.0	0.352	2.74	0.0	0.0	36.932	2.708	0.0	0.0	0.0	0
7.02	15.0	0.381	3.00	0.0	0.0	39.37	2.54	0.0	0.0	0.0	0
7.04	18.0	0.382	2.69	0.0	0.0	47.12	2.122	0.0	0.0	0.0	0
7.06	20.0	0.409	1.07	0.0	0.0	48.9	2.045	0.0	0.0	0.0	0
7.08	21.0	0.5	0.49	0.0	0.0	42.0	2.381	0.0	0.0	0.0	0

7.10	16.0	0.577	0.56	0.0	0.0	27.73	3.606	0.0	0.0	0.0	0
7.12	12.0	0.493	0.60	0.0	0.0	24.341	4.108	0.0	0.0	0.0	0
7.14	13.0	0.584	2.59	0.0	0.0	22.26	4.492	0.0	0.0	0.0	0
7.16	11.0	0.554	3.30	0.0	0.0	19.856	5.036	0.0	0.0	0.0	0
7.18	11.0	0.483	3.22	0.0	0.0	22.774	4.391	0.0	0.0	0.0	0
7.20	10.0	0.486	3.30	0.0	0.0	20.576	4.86	0.0	0.0	0.0	0
7.22	10.0	0.437	3.27	0.0	0.0	22.883	4.37	0.0	0.0	0.0	0
7.24	10.0	0.396	3.20	0.0	0.0	25.253	3.96	0.0	0.0	0.0	0
7.26	9.0	0.358	3.11	0.0	0.0	25.14	3.978	0.0	0.0	0.0	0
7.28	8.0	0.332	3.06	0.0	0.0	24.096	4.15	0.0	0.0	0.0	0
7.30	8.0	0.297	3.06	0.0	0.0	26.936	3.713	0.0	0.0	0.0	0
7.32	8.0	0.269	3.14	0.0	0.0	29.74	3.363	0.0	0.0	0.0	0
7.34	8.0	0.237	3.26	0.0	0.0	33.755	2.963	0.0	0.0	0.0	0
7.36	8.0	0.227	3.31	0.0	0.0	35.242	2.838	0.0	0.0	0.0	0
7.38	8.0	0.222	3.31	0.0	0.0	36.036	2.775	0.0	0.0	0.0	0
7.40	9.0	0.217	3.33	0.0	0.0	41.475	2.411	0.0	0.0	0.0	0
7.42	9.0	0.22	3.38	0.0	0.0	40.909	2.444	0.0	0.0	0.0	0
7.44	10.0	0.242	3.45	0.0	0.0	41.322	2.42	0.0	0.0	0.0	0
7.46	9.0	0.228	3.25	0.0	0.0	39.474	2.533	0.0	0.0	0.0	0
7.48	8.0	0.252	3.19	0.0	0.0	31.746	3.15	0.0	0.0	0.0	0
7.50	7.0	0.228	3.16	0.0	0.0	30.702	3.257	0.0	0.0	0.0	0
7.52	7.0	0.23	3.16	0.0	0.0	30.435	3.286	0.0	0.0	0.0	0
7.54	7.0	0.245	3.16	0.0	0.0	28.571	3.5	0.0	0.0	0.0	0
7.56	7.0	0.237	3.16	0.0	0.0	29.536	3.386	0.0	0.0	0.0	0
7.58	7.0	0.237	3.18	0.0	0.0	29.536	3.386	0.0	0.0	0.0	0
7.60	7.0	0.21	3.23	0.0	0.0	33.333	3.0	0.0	0.0	0.0	0
7.62	7.0	0.175	3.27	0.0	0.0	40.0	2.5	0.0	0.0	0.0	0
7.64	7.0	0.156	3.29	0.0	0.0	44.872	2.229	0.0	0.0	0.0	0
7.66	7.0	0.147	3.27	0.0	0.0	47.619	2.1	0.0	0.0	0.0	0
7.68	7.0	0.148	3.30	0.0	0.0	47.297	2.114	0.0	0.0	0.0	0
7.70	8.0	0.148	3.42	0.0	0.0	54.054	1.85	0.0	0.0	0.0	0
7.72	8.0	0.152	3.52	0.0	0.0	52.632	1.9	0.0	0.0	0.0	0
7.74	8.0	0.157	2.87	0.0	0.0	50.955	1.963	0.0	0.0	0.0	0
7.76	8.0	0.169	3.08	0.0	0.0	47.337	2.113	0.0	0.0	0.0	0
7.78	7.0	0.179	3.03	0.0	0.0	39.106	2.557	0.0	0.0	0.0	0
7.80	7.0	0.193	2.99	0.0	0.0	36.269	2.757	0.0	0.0	0.0	0
7.82	7.0	0.212	2.96	0.0	0.0	33.019	3.029	0.0	0.0	0.0	0
7.84	6.0	0.218	2.95	0.0	0.0	27.523	3.633	0.0	0.0	0.0	0
7.86	6.0	0.223	2.95	0.0	0.0	26.906	3.717	0.0	0.0	0.0	0
7.88	6.0	0.208	2.92	0.0	0.0	28.846	3.467	0.0	0.0	0.0	0
7.90	6.0	0.201	2.91	0.0	0.0	29.851	3.35	0.0	0.0	0.0	0
7.92	6.0	0.175	2.93	0.0	0.0	34.286	2.917	0.0	0.0	0.0	0
7.94	6.0	0.154	2.97	0.0	0.0	38.961	2.567	0.0	0.0	0.0	0
7.96	6.0	0.141	2.96	0.0	0.0	42.553	2.35	0.0	0.0	0.0	0
7.98	6.0	0.141	2.95	0.0	0.0	42.553	2.35	0.0	0.0	0.0	0
8.00	6.0	0.144	2.96	0.0	0.0	41.667	2.4	0.0	0.0	0.0	0
8.02	6.0	0.143	2.96	0.0	0.0	41.958	2.383	0.0	0.0	0.0	0
8.04	6.0	0.141	2.93	0.0	0.0	42.553	2.35	0.0	0.0	0.0	0
8.06	6.0	0.135	2.91	0.0	0.0	44.444	2.25	0.0	0.0	0.0	0
8.08	5.0	0.142	2.88	0.0	0.0	35.211	2.84	0.0	0.0	0.0	0
8.10	5.0	0.145	2.85	0.0	0.0	34.483	2.9	0.0	0.0	0.0	0
8.12	7.0	0.187	2.27	0.0	0.0	37.433	2.671	0.0	0.0	0.0	0
8.14	7.0	0.2	2.38	0.0	0.0	35.0	2.857	0.0	0.0	0.0	0
8.16	7.0	0.187	2.46	0.0	0.0	37.433	2.671	0.0	0.0	0.0	0
8.18	7.0	0.187	2.47	0.0	0.0	37.433	2.671	0.0	0.0	0.0	0
8.20	6.0	0.182	2.42	0.0	0.0	32.967	3.033	0.0	0.0	0.0	0
8.22	6.0	0.182	2.53	0.0	0.0	32.967	3.033	0.0	0.0	0.0	0
8.24	6.0	0.17	2.57	0.0	0.0	35.294	2.833	0.0	0.0	0.0	0
8.26	6.0	0.178	2.53	0.0	0.0	33.708	2.967	0.0	0.0	0.0	0
8.28	6.0	0.175	2.53	0.0	0.0	34.286	2.917	0.0	0.0	0.0	0
8.30	6.0	0.164	2.70	0.0	0.0	36.585	2.733	0.0	0.0	0.0	0
8.32	7.0	0.143	2.78	0.0	0.0	48.951	2.043	0.0	0.0	0.0	0
8.34	7.0	0.151	2.76	0.0	0.0	46.358	2.157	0.0	0.0	0.0	0
8.36	7.0	0.138	2.81	0.0	0.0	50.725	1.971	0.0	0.0	0.0	0
8.38	6.0	0.132	2.80	0.0	0.0	45.455	2.2	0.0	0.0	0.0	0
8.40	6.0	0.131	2.80	0.0	0.0	45.802	2.183	0.0	0.0	0.0	0
8.42	7.0	0.13	2.85	0.0	0.0	53.846	1.857	0.0	0.0	0.0	0
8.44	7.0	0.125	2.89	0.0	0.0	56.0	1.786	0.0	0.0	0.0	0
8.46	7.0	0.148	2.96	0.0	0.0	47.297	2.114	0.0	0.0	0.0	0
8.48	9.0	0.16	3.15	0.0	0.0	56.25	1.778	0.0	0.0	0.0	0

8.50	10.0	0.147	3.00	0.0	0.0	68.027	1.47	0.0	0.0	0.0	0
8.52	9.0	0.173	2.77	0.0	0.0	52.023	1.922	0.0	0.0	0.0	0
8.54	9.0	0.191	2.78	0.0	0.0	47.12	2.122	0.0	0.0	0.0	0
8.56	10.0	0.198	2.91	0.0	0.0	50.505	1.98	0.0	0.0	0.0	0
8.58	11.0	0.218	3.07	0.0	0.0	50.459	1.982	0.0	0.0	0.0	0
8.60	12.0	0.242	2.69	0.0	0.0	49.587	2.017	0.0	0.0	0.0	0
8.62	11.0	0.285	1.71	0.0	0.0	38.596	2.591	0.0	0.0	0.0	0
8.64	10.0	0.332	1.59	0.0	0.0	30.12	3.32	0.0	0.0	0.0	0
8.66	10.0	0.32	2.05	0.0	0.0	31.25	3.2	0.0	0.0	0.0	0
8.68	9.0	0.292	2.00	0.0	0.0	30.822	3.244	0.0	0.0	0.0	0
8.70	8.0	0.303	2.28	0.0	0.0	26.403	3.788	0.0	0.0	0.0	0
8.72	8.0	0.284	2.45	0.0	0.0	28.169	3.55	0.0	0.0	0.0	0
8.74	9.0	0.283	2.83	0.0	0.0	31.802	3.144	0.0	0.0	0.0	0
8.76	9.0	0.261	2.64	0.0	0.0	34.483	2.9	0.0	0.0	0.0	0
8.78	10.0	0.257	3.07	0.0	0.0	38.911	2.57	0.0	0.0	0.0	0
8.80	10.0	0.237	3.15	0.0	0.0	42.194	2.37	0.0	0.0	0.0	0
8.82	10.0	0.224	3.15	0.0	0.0	44.643	2.24	0.0	0.0	0.0	0
8.84	10.0	0.217	3.15	0.0	0.0	46.083	2.17	0.0	0.0	0.0	0
8.86	10.0	0.228	3.12	0.0	0.0	43.86	2.28	0.0	0.0	0.0	0
8.88	10.0	0.273	3.15	0.0	0.0	36.63	2.73	0.0	0.0	0.0	0
8.90	12.0	0.274	3.23	0.0	0.0	43.796	2.283	0.0	0.0	0.0	0
8.92	12.0	0.271	3.22	0.0	0.0	44.28	2.258	0.0	0.0	0.0	0
8.94	12.0	0.264	2.78	0.0	0.0	45.455	2.2	0.0	0.0	0.0	0
8.96	11.0	0.283	2.54	0.0	0.0	38.869	2.573	0.0	0.0	0.0	0
8.98	11.0	0.281	2.64	0.0	0.0	39.146	2.555	0.0	0.0	0.0	0
9.00	10.0	0.288	2.76	0.0	0.0	34.722	2.88	0.0	0.0	0.0	0
9.02	9.0	0.288	2.70	0.0	0.0	31.25	3.2	0.0	0.0	0.0	0
9.04	8.0	0.308	2.87	0.0	0.0	25.974	3.85	0.0	0.0	0.0	0
9.06	9.0	0.28	3.41	0.0	0.0	32.143	3.111	0.0	0.0	0.0	0
9.08	9.0	0.24	3.57	0.0	0.0	37.5	2.667	0.0	0.0	0.0	0
9.10	12.0	0.389	2.02	0.0	0.0	30.848	3.242	0.0	0.0	0.0	0
9.12	11.0	0.389	2.13	0.0	0.0	28.278	3.536	0.0	0.0	0.0	0
9.14	10.0	0.371	2.43	0.0	0.0	26.954	3.71	0.0	0.0	0.0	0
9.16	10.0	0.332	2.97	0.0	0.0	30.12	3.32	0.0	0.0	0.0	0
9.18	10.0	0.301	3.30	0.0	0.0	33.223	3.01	0.0	0.0	0.0	0
9.20	10.0	0.285	3.37	0.0	0.0	35.088	2.85	0.0	0.0	0.0	0
9.22	11.0	0.283	3.37	0.0	0.0	38.869	2.573	0.0	0.0	0.0	0
9.24	11.0	0.296	3.41	0.0	0.0	37.162	2.691	0.0	0.0	0.0	0
9.26	10.0	0.283	3.34	0.0	0.0	35.336	2.83	0.0	0.0	0.0	0
9.28	9.0	0.284	3.27	0.0	0.0	31.69	3.156	0.0	0.0	0.0	0
9.30	9.0	0.296	3.25	0.0	0.0	30.405	3.289	0.0	0.0	0.0	0
9.32	9.0	0.295	3.35	0.0	0.0	30.508	3.278	0.0	0.0	0.0	0
9.34	9.0	0.286	3.38	0.0	0.0	31.469	3.178	0.0	0.0	0.0	0
9.36	8.0	0.27	3.37	0.0	0.0	29.63	3.375	0.0	0.0	0.0	0
9.38	9.0	0.265	3.38	0.0	0.0	33.962	2.944	0.0	0.0	0.0	0
9.40	9.0	0.241	3.48	0.0	0.0	37.344	2.678	0.0	0.0	0.0	0
9.42	8.0	0.221	3.27	0.0	0.0	36.199	2.763	0.0	0.0	0.0	0
9.44	8.0	0.21	3.26	0.0	0.0	38.095	2.625	0.0	0.0	0.0	0
9.46	8.0	0.212	3.26	0.0	0.0	37.736	2.65	0.0	0.0	0.0	0
9.48	8.0	0.204	3.35	0.0	0.0	39.216	2.55	0.0	0.0	0.0	0
9.50	9.0	0.191	3.44	0.0	0.0	47.12	2.122	0.0	0.0	0.0	0
9.52	9.0	0.185	3.38	0.0	0.0	48.649	2.056	0.0	0.0	0.0	0
9.54	9.0	0.21	3.35	0.0	0.0	42.857	2.333	0.0	0.0	0.0	0
9.56	8.0	0.209	3.41	0.0	0.0	38.278	2.613	0.0	0.0	0.0	0
9.58	8.0	0.201	3.39	0.0	0.0	39.801	2.513	0.0	0.0	0.0	0
9.60	9.0	0.209	3.39	0.0	0.0	43.062	2.322	0.0	0.0	0.0	0
9.62	8.0	0.221	3.37	0.0	0.0	36.199	2.763	0.0	0.0	0.0	0
9.64	8.0	0.231	3.34	0.0	0.0	34.632	2.888	0.0	0.0	0.0	0
9.66	8.0	0.246	3.31	0.0	0.0	32.52	3.075	0.0	0.0	0.0	0
9.68	8.0	0.254	3.35	0.0	0.0	31.496	3.175	0.0	0.0	0.0	0
9.70	8.0	0.247	3.37	0.0	0.0	32.389	3.088	0.0	0.0	0.0	0
9.72	8.0	0.245	3.37	0.0	0.0	32.653	3.063	0.0	0.0	0.0	0
9.74	8.0	0.245	3.37	0.0	0.0	32.653	3.063	0.0	0.0	0.0	0
9.76	8.0	0.249	3.31	0.0	0.0	32.129	3.113	0.0	0.0	0.0	0
9.78	8.0	0.25	3.30	0.0	0.0	32.0	3.125	0.0	0.0	0.0	0
9.80	8.0	0.253	3.27	0.0	0.0	31.621	3.163	0.0	0.0	0.0	0
9.82	8.0	0.262	3.27	0.0	0.0	30.534	3.275	0.0	0.0	0.0	0
9.84	7.0	0.26	3.29	0.0	0.0	26.923	3.714	0.0	0.0	0.0	0
9.86	7.0	0.249	3.25	0.0	0.0	28.112	3.557	0.0	0.0	0.0	0
9.88	7.0	0.241	3.25	0.0	0.0	29.046	3.443	0.0	0.0	0.0	0

9.90	7.0	0.221	3.30	0.0	0.0	31.674	3.157	0.0	0.0	0.0	0
9.92	8.0	0.204	3.34	0.0	0.0	39.216	2.55	0.0	0.0	0.0	0
9.94	8.0	0.192	3.38	0.0	0.0	41.667	2.4	0.0	0.0	0.0	0
9.96	8.0	0.185	3.37	0.0	0.0	43.243	2.313	0.0	0.0	0.0	0
9.98	8.0	0.201	3.33	0.0	0.0	39.801	2.513	0.0	0.0	0.0	0
10.00	8.0	0.223	3.30	0.0	0.0	35.874	2.788	0.0	0.0	0.0	0
10.02	8.0	0.23	3.29	0.0	0.0	34.783	2.875	0.0	0.0	0.0	0
10.04	8.0	0.254	3.25	0.0	0.0	31.496	3.175	0.0	0.0	0.0	0
10.06	7.0	0.27	3.23	0.0	0.0	25.926	3.857	0.0	0.0	0.0	0
10.08	8.0	0.272	3.58	0.0	0.0	29.412	3.4	0.0	0.0	0.0	0
10.10	8.0	0.273	3.53	0.0	0.0	29.304	3.413	0.0	0.0	0.0	0
10.12	8.0	0.264	3.52	0.0	0.0	30.303	3.3	0.0	0.0	0.0	0
10.14	8.0	0.26	3.58	0.0	0.0	30.769	3.25	0.0	0.0	0.0	0
10.16	8.0	0.238	3.61	0.0	0.0	33.613	2.975	0.0	0.0	0.0	0
10.18	8.0	0.231	3.63	0.0	0.0	34.632	2.888	0.0	0.0	0.0	0
10.20	8.0	0.224	3.65	0.0	0.0	35.714	2.8	0.0	0.0	0.0	0
10.22	8.0	0.215	3.68	0.0	0.0	37.209	2.688	0.0	0.0	0.0	0
10.24	8.0	0.198	3.69	0.0	0.0	40.404	2.475	0.0	0.0	0.0	0
10.26	8.0	0.198	3.69	0.0	0.0	40.404	2.475	0.0	0.0	0.0	0
10.28	8.0	0.188	3.71	0.0	0.0	42.553	2.35	0.0	0.0	0.0	0
10.30	8.0	0.188	3.72	0.0	0.0	42.553	2.35	0.0	0.0	0.0	0
10.32	8.0	0.181	3.71	0.0	0.0	44.199	2.263	0.0	0.0	0.0	0
10.34	8.0	0.189	3.71	0.0	0.0	42.328	2.363	0.0	0.0	0.0	0
10.36	8.0	0.192	3.69	0.0	0.0	41.667	2.4	0.0	0.0	0.0	0
10.38	8.0	0.182	3.77	0.0	0.0	43.956	2.275	0.0	0.0	0.0	0
10.40	8.0	0.18	3.77	0.0	0.0	44.444	2.25	0.0	0.0	0.0	0
10.42	8.0	0.181	3.73	0.0	0.0	44.199	2.263	0.0	0.0	0.0	0
10.44	8.0	0.181	3.73	0.0	0.0	44.199	2.263	0.0	0.0	0.0	0
10.46	8.0	0.174	3.80	0.0	0.0	45.977	2.175	0.0	0.0	0.0	0
10.48	9.0	0.17	3.83	0.0	0.0	52.941	1.889	0.0	0.0	0.0	0
10.50	9.0	0.175	3.90	0.0	0.0	51.429	1.944	0.0	0.0	0.0	0
10.52	10.0	0.189	3.92	0.0	0.0	52.91	1.89	0.0	0.0	0.0	0
10.54	9.0	0.21	3.83	0.0	0.0	42.857	2.333	0.0	0.0	0.0	0
10.56	9.0	0.235	3.76	0.0	0.0	38.298	2.611	0.0	0.0	0.0	0
10.58	9.0	0.252	3.77	0.0	0.0	35.714	2.8	0.0	0.0	0.0	0
10.60	9.0	0.255	3.77	0.0	0.0	35.294	2.833	0.0	0.0	0.0	0
10.62	9.0	0.27	3.73	0.0	0.0	33.333	3.0	0.0	0.0	0.0	0
10.64	9.0	0.276	3.71	0.0	0.0	32.609	3.067	0.0	0.0	0.0	0
10.66	9.0	0.266	3.68	0.0	0.0	33.835	2.956	0.0	0.0	0.0	0
10.68	9.0	0.264	3.64	0.0	0.0	34.091	2.933	0.0	0.0	0.0	0
10.70	9.0	0.261	3.63	0.0	0.0	34.483	2.9	0.0	0.0	0.0	0
10.72	8.0	0.26	3.60	0.0	0.0	30.769	3.25	0.0	0.0	0.0	0
10.74	8.0	0.268	3.52	0.0	0.0	29.851	3.35	0.0	0.0	0.0	0
10.76	7.0	0.264	3.46	0.0	0.0	26.515	3.771	0.0	0.0	0.0	0
10.78	7.0	0.254	3.49	0.0	0.0	27.559	3.629	0.0	0.0	0.0	0
10.80	7.0	0.231	3.56	0.0	0.0	30.303	3.3	0.0	0.0	0.0	0
10.82	7.0	0.205	3.61	0.0	0.0	34.146	2.929	0.0	0.0	0.0	0
10.84	7.0	0.191	3.67	0.0	0.0	36.649	2.729	0.0	0.0	0.0	0
10.86	7.0	0.175	3.68	0.0	0.0	40.0	2.5	0.0	0.0	0.0	0
10.88	7.0	0.168	3.67	0.0	0.0	41.667	2.4	0.0	0.0	0.0	0
10.90	8.0	0.172	3.69	0.0	0.0	46.512	2.15	0.0	0.0	0.0	0
10.92	8.0	0.173	3.76	0.0	0.0	46.243	2.163	0.0	0.0	0.0	0
10.94	9.0	0.18	3.77	0.0	0.0	50.0	2.0	0.0	0.0	0.0	0
10.96	9.0	0.2	3.73	0.0	0.0	45.0	2.222	0.0	0.0	0.0	0
10.98	9.0	0.228	3.68	0.0	0.0	39.474	2.533	0.0	0.0	0.0	0
11.00	9.0	0.248	3.64	0.0	0.0	36.29	2.756	0.0	0.0	0.0	0
11.02	9.0	0.268	3.61	0.0	0.0	33.582	2.978	0.0	0.0	0.0	0
11.04	9.0	0.28	3.60	0.0	0.0	32.143	3.111	0.0	0.0	0.0	0
11.06	9.0	0.304	3.63	0.0	0.0	29.605	3.378	0.0	0.0	0.0	0
11.08	9.0	0.321	3.58	0.0	0.0	28.037	3.567	0.0	0.0	0.0	0
11.10	10.0	0.334	3.56	0.0	0.0	29.94	3.34	0.0	0.0	0.0	0
11.12	10.0	0.342	3.56	0.0	0.0	29.24	3.42	0.0	0.0	0.0	0
11.14	10.0	0.353	3.53	0.0	0.0	28.329	3.53	0.0	0.0	0.0	0
11.16	10.0	0.371	3.49	0.0	0.0	26.954	3.71	0.0	0.0	0.0	0
11.18	10.0	0.379	3.46	0.0	0.0	26.385	3.79	0.0	0.0	0.0	0
11.20	9.0	0.382	3.42	0.0	0.0	23.56	4.244	0.0	0.0	0.0	0
11.22	9.0	0.386	3.39	0.0	0.0	23.316	4.289	0.0	0.0	0.0	0
11.24	9.0	0.389	3.37	0.0	0.0	23.136	4.322	0.0	0.0	0.0	0
11.26	9.0	0.394	3.35	0.0	0.0	22.843	4.378	0.0	0.0	0.0	0
11.28	10.0	0.398	3.33	0.0	0.0	25.126	3.98	0.0	0.0	0.0	0

11.30	9.0	0.405	3.29	0.0	0.0	22.222	4.5	0.0	0.0	0.0	0
11.32	9.0	0.406	3.25	0.0	0.0	22.167	4.511	0.0	0.0	0.0	0
11.34	10.0	0.412	3.22	0.0	0.0	24.272	4.12	0.0	0.0	0.0	0
11.36	10.0	0.418	3.19	0.0	0.0	23.923	4.18	0.0	0.0	0.0	0
11.38	10.0	0.421	3.16	0.0	0.0	23.753	4.21	0.0	0.0	0.0	0
11.40	10.0	0.422	3.12	0.0	0.0	23.697	4.22	0.0	0.0	0.0	0
11.42	9.0	0.428	3.07	0.0	0.0	21.028	4.756	0.0	0.0	0.0	0
11.44	9.0	0.434	3.01	0.0	0.0	20.737	4.822	0.0	0.0	0.0	0
11.46	9.0	0.432	3.00	0.0	0.0	20.833	4.8	0.0	0.0	0.0	0
11.48	9.0	0.433	2.96	0.0	0.0	20.785	4.811	0.0	0.0	0.0	0
11.50	9.0	0.426	2.96	0.0	0.0	21.127	4.733	0.0	0.0	0.0	0
11.52	9.0	0.417	2.97	0.0	0.0	21.583	4.633	0.0	0.0	0.0	0
11.54	9.0	0.415	2.96	0.0	0.0	21.687	4.611	0.0	0.0	0.0	0
11.56	9.0	0.414	2.93	0.0	0.0	21.739	4.6	0.0	0.0	0.0	0
11.58	9.0	0.405	2.92	0.0	0.0	22.222	4.5	0.0	0.0	0.0	0
11.60	9.0	0.402	2.89	0.0	0.0	22.388	4.467	0.0	0.0	0.0	0
11.62	9.0	0.394	2.87	0.0	0.0	22.843	4.378	0.0	0.0	0.0	0
11.64	8.0	0.391	2.83	0.0	0.0	20.46	4.888	0.0	0.0	0.0	0
11.66	8.0	0.389	2.80	0.0	0.0	20.566	4.863	0.0	0.0	0.0	0
11.68	8.0	0.372	2.81	0.0	0.0	21.505	4.65	0.0	0.0	0.0	0
11.70	8.0	0.351	2.83	0.0	0.0	22.792	4.388	0.0	0.0	0.0	0
11.72	8.0	0.329	2.88	0.0	0.0	24.316	4.113	0.0	0.0	0.0	0
11.74	8.0	0.304	2.99	0.0	0.0	26.316	3.8	0.0	0.0	0.0	0
11.76	8.0	0.286	3.03	0.0	0.0	27.972	3.575	0.0	0.0	0.0	0
11.78	8.0	0.29	3.03	0.0	0.0	27.586	3.625	0.0	0.0	0.0	0
11.80	8.0	0.285	3.01	0.0	0.0	28.07	3.563	0.0	0.0	0.0	0
11.82	8.0	0.291	3.01	0.0	0.0	27.491	3.638	0.0	0.0	0.0	0
11.84	9.0	0.299	3.03	0.0	0.0	30.1	3.322	0.0	0.0	0.0	0
11.86	9.0	0.307	3.04	0.0	0.0	29.316	3.411	0.0	0.0	0.0	0
11.88	9.0	0.32	3.07	0.0	0.0	28.125	3.556	0.0	0.0	0.0	0
11.90	9.0	0.326	3.06	0.0	0.0	27.607	3.622	0.0	0.0	0.0	0
11.92	9.0	0.334	3.12	0.0	0.0	26.946	3.711	0.0	0.0	0.0	0
11.94	10.0	0.335	3.15	0.0	0.0	29.851	3.35	0.0	0.0	0.0	0
11.96	10.0	0.345	3.18	0.0	0.0	28.986	3.45	0.0	0.0	0.0	0
11.98	10.0	0.347	3.16	0.0	0.0	28.818	3.47	0.0	0.0	0.0	0
12.00	10.0	0.37	3.15	0.0	0.0	27.027	3.7	0.0	0.0	0.0	0
12.02	10.0	0.387	3.11	0.0	0.0	25.84	3.87	0.0	0.0	0.0	0
12.04	10.0	0.445	3.61	0.0	0.0	22.472	4.45	0.0	0.0	0.0	0
12.06	10.0	0.455	3.56	0.0	0.0	21.978	4.55	0.0	0.0	0.0	0
12.08	10.0	0.476	3.50	0.0	0.0	21.008	4.76	0.0	0.0	0.0	0
12.10	10.0	0.489	3.46	0.0	0.0	20.45	4.89	0.0	0.0	0.0	0
12.12	10.0	0.503	3.41	0.0	0.0	19.881	5.03	0.0	0.0	0.0	0
12.14	10.0	0.513	3.38	0.0	0.0	19.493	5.13	0.0	0.0	0.0	0
12.16	10.0	0.513	3.34	0.0	0.0	19.493	5.13	0.0	0.0	0.0	0
12.18	10.0	0.513	3.29	0.0	0.0	19.493	5.13	0.0	0.0	0.0	0
12.20	10.0	0.522	3.23	0.0	0.0	19.157	5.22	0.0	0.0	0.0	0
12.22	10.0	0.518	3.16	0.0	0.0	19.305	5.18	0.0	0.0	0.0	0
12.24	10.0	0.518	3.11	0.0	0.0	19.305	5.18	0.0	0.0	0.0	0
12.26	10.0	0.511	3.03	0.0	0.0	19.569	5.11	0.0	0.0	0.0	0
12.28	9.0	0.516	3.04	0.0	0.0	17.442	5.733	0.0	0.0	0.0	0
12.30	9.0	0.492	3.03	0.0	0.0	18.293	5.467	0.0	0.0	0.0	0
12.32	9.0	0.475	3.01	0.0	0.0	18.947	5.278	0.0	0.0	0.0	0
12.34	9.0	0.461	3.00	0.0	0.0	19.523	5.122	0.0	0.0	0.0	0
12.36	9.0	0.437	2.97	0.0	0.0	20.595	4.856	0.0	0.0	0.0	0
12.38	9.0	0.425	2.93	0.0	0.0	21.176	4.722	0.0	0.0	0.0	0
12.40	9.0	0.393	2.88	0.0	0.0	22.901	4.367	0.0	0.0	0.0	0
12.42	8.0	0.377	2.84	0.0	0.0	21.22	4.713	0.0	0.0	0.0	0
12.44	8.0	0.369	2.80	0.0	0.0	21.68	4.613	0.0	0.0	0.0	0
12.46	7.0	0.354	2.77	0.0	0.0	19.774	5.057	0.0	0.0	0.0	0
12.48	7.0	0.353	2.72	0.0	0.0	19.83	5.043	0.0	0.0	0.0	0
12.50	7.0	0.345	2.72	0.0	0.0	20.29	4.929	0.0	0.0	0.0	0
12.52	7.0	0.321	2.78	0.0	0.0	21.807	4.586	0.0	0.0	0.0	0
12.54	8.0	0.296	2.95	0.0	0.0	27.027	3.7	0.0	0.0	0.0	0
12.56	9.0	0.284	2.69	0.0	0.0	31.69	3.156	0.0	0.0	0.0	0
12.58	9.0	0.277	2.83	0.0	0.0	32.491	3.078	0.0	0.0	0.0	0
12.60	9.0	0.245	2.04	0.0	0.0	36.735	2.722	0.0	0.0	0.0	0
12.62	8.0	0.234	1.90	0.0	0.0	34.188	2.925	0.0	0.0	0.0	0
12.64	8.0	0.261	3.15	0.0	0.0	30.651	3.263	0.0	0.0	0.0	0
12.66	8.0	0.223	3.46	0.0	0.0	35.874	2.788	0.0	0.0	0.0	0
12.68	9.0	0.223	3.52	0.0	0.0	40.359	2.478	0.0	0.0	0.0	0

12.70	9.0	0.237	3.48	0.0	0.0	37.975	2.633	0.0	0.0	0.0	0
12.72	9.0	0.261	3.42	0.0	0.0	34.483	2.9	0.0	0.0	0.0	0
12.74	9.0	0.283	3.39	0.0	0.0	31.802	3.144	0.0	0.0	0.0	0
12.76	8.0	0.293	3.35	0.0	0.0	27.304	3.663	0.0	0.0	0.0	0
12.78	8.0	0.31	3.29	0.0	0.0	25.806	3.875	0.0	0.0	0.0	0
12.80	8.0	0.33	3.23	0.0	0.0	24.242	4.125	0.0	0.0	0.0	0
12.82	8.0	0.332	3.26	0.0	0.0	24.096	4.15	0.0	0.0	0.0	0
12.84	8.0	0.339	3.25	0.0	0.0	23.599	4.238	0.0	0.0	0.0	0
12.86	8.0	0.321	3.27	0.0	0.0	24.922	4.013	0.0	0.0	0.0	0
12.88	8.0	0.317	3.27	0.0	0.0	25.237	3.963	0.0	0.0	0.0	0
12.90	8.0	0.309	3.25	0.0	0.0	25.89	3.863	0.0	0.0	0.0	0
12.92	8.0	0.311	3.19	0.0	0.0	25.723	3.888	0.0	0.0	0.0	0
12.94	7.0	0.313	3.18	0.0	0.0	22.364	4.471	0.0	0.0	0.0	0
12.96	7.0	0.321	3.16	0.0	0.0	21.807	4.586	0.0	0.0	0.0	0
12.98	7.0	0.309	3.18	0.0	0.0	22.654	4.414	0.0	0.0	0.0	0
13.00	7.0	0.305	3.23	0.0	0.0	22.951	4.357	0.0	0.0	0.0	0
13.02	7.0	0.266	4.06	0.0	0.0	26.316	3.8	0.0	0.0	0.0	0
13.04	7.0	0.242	4.03	0.0	0.0	28.926	3.457	0.0	0.0	0.0	0
13.06	7.0	0.23	3.98	0.0	0.0	30.435	3.286	0.0	0.0	0.0	0
13.08	7.0	0.223	3.96	0.0	0.0	31.39	3.186	0.0	0.0	0.0	0
13.10	7.0	0.219	3.99	0.0	0.0	31.963	3.129	0.0	0.0	0.0	0
13.12	7.0	0.203	4.02	0.0	0.0	34.483	2.9	0.0	0.0	0.0	0
13.14	7.0	0.194	4.01	0.0	0.0	36.082	2.771	0.0	0.0	0.0	0
13.16	7.0	0.194	4.03	0.0	0.0	36.082	2.771	0.0	0.0	0.0	0
13.18	7.0	0.188	4.05	0.0	0.0	37.234	2.686	0.0	0.0	0.0	0
13.20	7.0	0.184	4.07	0.0	0.0	38.043	2.629	0.0	0.0	0.0	0
13.22	7.0	0.181	4.09	0.0	0.0	38.674	2.586	0.0	0.0	0.0	0
13.24	8.0	0.184	4.07	0.0	0.0	43.478	2.3	0.0	0.0	0.0	0
13.26	8.0	0.201	4.07	0.0	0.0	39.801	2.513	0.0	0.0	0.0	0
13.28	8.0	0.221	4.09	0.0	0.0	36.199	2.763	0.0	0.0	0.0	0
13.30	8.0	0.233	4.11	0.0	0.0	34.335	2.913	0.0	0.0	0.0	0
13.32	9.0	0.253	4.21	0.0	0.0	35.573	2.811	0.0	0.0	0.0	0
13.34	9.0	0.252	4.24	0.0	0.0	35.714	2.8	0.0	0.0	0.0	0
13.36	9.0	0.258	4.11	0.0	0.0	34.884	2.867	0.0	0.0	0.0	0
13.38	8.0	0.28	4.14	0.0	0.0	28.571	3.5	0.0	0.0	0.0	0
13.40	8.0	0.272	4.11	0.0	0.0	29.412	3.4	0.0	0.0	0.0	0
13.42	8.0	0.272	4.07	0.0	0.0	29.412	3.4	0.0	0.0	0.0	0
13.44	8.0	0.271	4.05	0.0	0.0	29.52	3.388	0.0	0.0	0.0	0
13.46	8.0	0.28	4.07	0.0	0.0	28.571	3.5	0.0	0.0	0.0	0
13.48	8.0	0.285	4.10	0.0	0.0	28.07	3.563	0.0	0.0	0.0	0
13.50	8.0	0.274	4.06	0.0	0.0	29.197	3.425	0.0	0.0	0.0	0
13.52	8.0	0.289	4.06	0.0	0.0	27.682	3.613	0.0	0.0	0.0	0
13.54	8.0	0.308	4.07	0.0	0.0	25.974	3.85	0.0	0.0	0.0	0
13.56	9.0	0.303	4.09	0.0	0.0	29.703	3.367	0.0	0.0	0.0	0
13.58	9.0	0.299	4.10	0.0	0.0	30.1	3.322	0.0	0.0	0.0	0
13.60	9.0	0.299	4.11	0.0	0.0	30.1	3.322	0.0	0.0	0.0	0
13.62	9.0	0.31	4.13	0.0	0.0	29.032	3.444	0.0	0.0	0.0	0
13.64	9.0	0.31	4.11	0.0	0.0	29.032	3.444	0.0	0.0	0.0	0
13.66	9.0	0.304	4.10	0.0	0.0	29.605	3.378	0.0	0.0	0.0	0
13.68	9.0	0.309	4.10	0.0	0.0	29.126	3.433	0.0	0.0	0.0	0
13.70	9.0	0.315	4.07	0.0	0.0	28.571	3.5	0.0	0.0	0.0	0
13.72	9.0	0.329	4.03	0.0	0.0	27.356	3.656	0.0	0.0	0.0	0
13.74	9.0	0.345	4.06	0.0	0.0	26.087	3.833	0.0	0.0	0.0	0
13.76	10.0	0.35	4.07	0.0	0.0	28.571	3.5	0.0	0.0	0.0	0
13.78	10.0	0.356	3.99	0.0	0.0	28.09	3.56	0.0	0.0	0.0	0
13.80	10.0	0.375	3.94	0.0	0.0	26.667	3.75	0.0	0.0	0.0	0
13.82	10.0	0.401	3.88	0.0	0.0	24.938	4.01	0.0	0.0	0.0	0
13.84	10.0	0.424	3.87	0.0	0.0	23.585	4.24	0.0	0.0	0.0	0
13.86	10.0	0.426	3.90	0.0	0.0	23.474	4.26	0.0	0.0	0.0	0
13.88	10.0	0.42	3.94	0.0	0.0	23.81	4.2	0.0	0.0	0.0	0
13.90	10.0	0.426	3.95	0.0	0.0	23.474	4.26	0.0	0.0	0.0	0
13.92	10.0	0.433	3.99	0.0	0.0	23.095	4.33	0.0	0.0	0.0	0
13.94	11.0	0.414	3.96	0.0	0.0	26.57	3.764	0.0	0.0	0.0	0
13.96	11.0	0.422	3.95	0.0	0.0	26.066	3.836	0.0	0.0	0.0	0
13.98	11.0	0.436	3.98	0.0	0.0	25.229	3.964	0.0	0.0	0.0	0
14.00	11.0	0.476	4.47	0.0	0.0	23.109	4.327	0.0	0.0	0.0	0
14.02	11.0	0.479	4.43	0.0	0.0	22.965	4.355	0.0	0.0	0.0	0
14.04	11.0	0.479	4.41	0.0	0.0	22.965	4.355	0.0	0.0	0.0	0
14.06	12.0	0.482	4.39	0.0	0.0	24.896	4.017	0.0	0.0	0.0	0
14.08	12.0	0.483	4.39	0.0	0.0	24.845	4.025	0.0	0.0	0.0	0

14.10	12.0	0.485	4.40	0.0	0.0	24.742	4.042	0.0	0.0	0.0	0
14.12	12.0	0.475	4.43	0.0	0.0	25.263	3.958	0.0	0.0	0.0	0
14.14	12.0	0.476	4.44	0.0	0.0	25.21	3.967	0.0	0.0	0.0	0
14.16	12.0	0.474	4.44	0.0	0.0	25.316	3.95	0.0	0.0	0.0	0
14.18	12.0	0.491	4.41	0.0	0.0	24.44	4.092	0.0	0.0	0.0	0
14.20	12.0	0.503	4.41	0.0	0.0	23.857	4.192	0.0	0.0	0.0	0
14.22	12.0	0.516	4.37	0.0	0.0	23.256	4.3	0.0	0.0	0.0	0
14.24	12.0	0.542	4.39	0.0	0.0	22.14	4.517	0.0	0.0	0.0	0
14.26	12.0	0.556	4.36	0.0	0.0	21.583	4.633	0.0	0.0	0.0	0
14.28	12.0	0.571	4.29	0.0	0.0	21.016	4.758	0.0	0.0	0.0	0
14.30	12.0	0.602	4.20	0.0	0.0	19.934	5.017	0.0	0.0	0.0	0
14.32	11.0	0.62	4.14	0.0	0.0	17.742	5.636	0.0	0.0	0.0	0
14.34	11.0	0.63	4.13	0.0	0.0	17.46	5.727	0.0	0.0	0.0	0
14.36	11.0	0.612	4.09	0.0	0.0	17.974	5.564	0.0	0.0	0.0	0
14.38	11.0	0.598	4.07	0.0	0.0	18.395	5.436	0.0	0.0	0.0	0
14.40	11.0	0.588	4.07	0.0	0.0	18.707	5.345	0.0	0.0	0.0	0
14.42	11.0	0.575	4.07	0.0	0.0	19.13	5.227	0.0	0.0	0.0	0
14.44	11.0	0.565	4.07	0.0	0.0	19.469	5.136	0.0	0.0	0.0	0
14.46	11.0	0.555	4.06	0.0	0.0	19.82	5.045	0.0	0.0	0.0	0
14.48	11.0	0.559	4.10	0.0	0.0	19.678	5.082	0.0	0.0	0.0	0
14.50	11.0	0.554	4.10	0.0	0.0	19.856	5.036	0.0	0.0	0.0	0
14.52	12.0	0.556	4.11	0.0	0.0	21.583	4.633	0.0	0.0	0.0	0
14.54	12.0	0.562	4.15	0.0	0.0	21.352	4.683	0.0	0.0	0.0	0
14.56	12.0	0.562	4.17	0.0	0.0	21.352	4.683	0.0	0.0	0.0	0
14.58	12.0	0.559	4.18	0.0	0.0	21.467	4.658	0.0	0.0	0.0	0
14.60	12.0	0.554	4.21	0.0	0.0	21.661	4.617	0.0	0.0	0.0	0
14.62	12.0	0.525	4.24	0.0	0.0	22.857	4.375	0.0	0.0	0.0	0
14.64	12.0	0.529	4.21	0.0	0.0	22.684	4.408	0.0	0.0	0.0	0
14.66	12.0	0.537	4.13	0.0	0.0	22.346	4.475	0.0	0.0	0.0	0
14.68	12.0	0.553	4.09	0.0	0.0	21.7	4.608	0.0	0.0	0.0	0
14.70	11.0	0.572	4.07	0.0	0.0	19.231	5.2	0.0	0.0	0.0	0
14.72	11.0	0.578	4.05	0.0	0.0	19.031	5.255	0.0	0.0	0.0	0
14.74	11.0	0.583	4.11	0.0	0.0	18.868	5.3	0.0	0.0	0.0	0
14.76	12.0	0.593	4.13	0.0	0.0	20.236	4.942	0.0	0.0	0.0	0
14.78	12.0	0.598	4.10	0.0	0.0	20.067	4.983	0.0	0.0	0.0	0
14.80	12.0	0.59	4.07	0.0	0.0	20.339	4.917	0.0	0.0	0.0	0
14.82	12.0	0.584	4.01	0.0	0.0	20.548	4.867	0.0	0.0	0.0	0
14.84	11.0	0.595	3.94	0.0	0.0	18.487	5.409	0.0	0.0	0.0	0
14.86	11.0	0.592	3.90	0.0	0.0	18.581	5.382	0.0	0.0	0.0	0
14.88	11.0	0.598	3.84	0.0	0.0	18.395	5.436	0.0	0.0	0.0	0
14.90	11.0	0.607	3.77	0.0	0.0	18.122	5.518	0.0	0.0	0.0	0
14.92	11.0	0.611	3.71	0.0	0.0	18.003	5.555	0.0	0.0	0.0	0
14.94	11.0	0.628	3.67	0.0	0.0	17.516	5.709	0.0	0.0	0.0	0
14.96	11.0	0.634	4.21	0.0	0.0	17.35	5.764	0.0	0.0	0.0	0
14.98	11.0	0.612	4.20	0.0	0.0	17.974	5.564	0.0	0.0	0.0	0
15.00	11.0	0.593	4.20	0.0	0.0	18.55	5.391	0.0	0.0	0.0	0

NATURA LITOLOGICA (Robertson 1986)

Profondità (m)	Litologia: Robertson 1986
0.02	Limi sabbiosi e Limi argillosi
0.04	Limi sabbiosi e Limi argillosi
0.06	Limi sabbiosi e Limi argillosi
0.08	Limi argillosi e Argille limose
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STIMA PARAMETRI GEOTECNICI

Nr:	Numero progressivo strato
Prof:	Profondità strato (m)
Tipo:	C: Coesivo. I: Incoerente. CI: Coesivo-Incoerente
Cu:	Coesione non drenata (Kg/cm ²)
Eu:	Modulo di defomazione non drenato (Kg/cm ²)
Mo:	Modulo Edometrico (Kg/cm ²)
G:	Modulo di deformazione a taglio (Kg/cm ²)
OCR:	Grado di sovraconsolidazione
Puv:	Peso unità di volume (t/m ³)
PuvS:	Peso unità di volume saturo (t/m ³)
Dr:	Densità relativa (%)
Fi:	Angolo di resistenza al taglio (°)
Ey:	Modulo di Young (Kg/cm ²)
Vs:	Velocità onde di taglio (m/s)

Nr.	Prof.	Tipo	Cu	Eu	Mo	G	OCR	Puv	PuvS	Dr	Fi	Ey	Vs
1	0.10	CI	0.8	562.1	48.4	146.5	<0.5	1.9	2.0	100.0	45.0	37.5	135.26
2	2.00	C	0.5	345.7	42.3	110.3	>9	1.8	1.9	--	--	--	167.67
3	2.02	C	0.6	397.5	45.4	121.2	4.3	1.9	1.9	--	--	--	191.30
4	2.62	C	0.4	295.2	39.4	102.3	3.8	1.8	1.9	--	--	--	185.94
5	2.68	C	0.6	393.1	45.4	121.2	3.1	1.9	1.9	--	--	--	199.25
6	3.06	C	0.4	277.9	38.3	99.4	2.9	1.8	1.9	--	--	--	188.99
7	3.08	C	0.4	279.2	38.4	99.8	1.9	1.8	1.9	--	--	--	190.21
8	5.14	C	0.5	367.0	44.4	117.4	6.5	1.9	1.9	--	--	--	205.16
9	5.18	C	0.6	440.1	47.4	131.0	2.8	1.9	2.0	--	--	--	216.98
10	5.56	C	0.5	353.6	44.0	115.8	2.8	1.8	1.9	--	--	--	209.99
11	5.60	C	0.7	457.4	47.8	134.2	2.5	1.9	2.0	--	--	--	220.21
12	5.70	C	0.5	374.7	45.1	119.8	2.8	1.9	1.9	--	--	--	213.21
13	5.72	C	0.7	457.0	47.8	134.2	2.8	1.9	2.0	--	--	--	220.72
14	5.78	C	0.5	356.9	44.2	116.6	2.6	1.8	1.9	--	--	--	211.88
15	6.00	C	0.8	538.2	48.4	147.6	3.0	1.9	2.0	--	--	--	227.72
16	6.08	C	0.6	418.4	46.8	127.8	2.9	1.9	2.0	--	--	--	218.79
17	6.12	C	0.6	418.2	46.8	127.8	2.3	1.9	2.0	--	--	--	219.02
18	6.14	CI	0.3	193.1	31.5	83.7	<0.5	1.7	1.8	5.0	19.5	15.0	188.08
19	6.16	C	0.8	530.5	48.4	146.5	3.6	1.9	2.0	--	--	--	228.23

20	6.80	C	0.5	341.8	43.5	114.3	3.2	1.8	1.9	--	--	--	213.36
21	6.82	C	0.5	340.6	43.5	114.3	1.7	1.8	1.9	--	--	--	214.60
22	6.84	C	0.5	340.5	43.5	114.3	1.9	1.8	1.9	--	--	--	214.66
23	6.90	C	0.6	427.9	47.2	130.0	2.2	1.9	2.0	--	--	--	223.10
24	6.98	C	0.6	396.4	46.2	124.5	2.6	1.9	1.9	--	--	--	220.54
25	7.08	C	0.9	617.3	46.7	160.4	3.0	1.9	2.0	--	--	--	238.03
26	7.68	C	0.4	294.9	40.8	106.0	2.2	1.8	1.9	--	--	--	211.65
27	7.70	C	0.4	262.6	38.4	99.8	1.0	1.8	1.9	--	--	--	208.83
28	8.46	C	0.3	203.1	33.2	87.4	1.1	1.8	1.8	--	--	--	201.94
29	8.60	C	0.5	322.3	42.8	112.0	1.1	1.8	1.9	--	--	--	218.62
30	8.80	C	0.5	320.6	42.8	111.8	1.8	1.8	1.9	--	--	--	218.96
31	8.86	C	0.5	333.8	43.5	114.3	1.4	1.8	1.9	--	--	--	220.81
32	8.88	C	0.5	333.7	43.5	114.3	1.7	1.8	1.9	--	--	--	220.91
33	8.94	C	0.6	408.6	46.8	127.8	1.7	1.9	2.0	--	--	--	228.44
34	9.48	C	0.5	313.1	42.4	110.7	1.7	1.8	1.9	--	--	--	219.74
35	9.52	C	0.5	294.1	41.2	107.2	1.1	1.8	1.9	--	--	--	218.47
36	10.46	C	0.4	252.5	38.3	99.3	1.3	1.8	1.9	--	--	--	214.82
37	10.52	C	0.5	303.3	42.0	109.6	0.9	1.8	1.9	--	--	--	222.51
38	10.92	C	0.4	256.3	38.7	100.5	1.2	1.8	1.9	--	--	--	217.44
39	10.94	C	0.5	289.3	41.2	107.2	0.9	1.8	1.9	--	--	--	222.15
40	15.00	C	0.5	299.0	42.4	110.5	1.8	1.8	1.9	--	--	--	229.50

PROVA ... CPTU N°4

Committente: Comune di San Giovanni Persiceto

Strumento utilizzato: PAGANI 200 kN (CPTU)

Prova eseguita in data: 05/11/2017

Profondità prova: 15.00 mt

Località: S. Giovanni Persiceto

RESISTENZE / LITOLOGIE

Profondità	
qc	Resistenza punta (Kg/cm ²);
fs	Resistenza laterale (Kg/cm ²);
Tilt	Inclinazione (°)
Temp	Temperatura (°)
Fr	fs/qcx100 (Schmertmann)
qcn	qc normalizzata (Kg/cm ²);
fsn	fs normalizzato (Kg/cm ²);
U2	Pressione neutrale intorno al cono (Kg/cm ²);
Uo	Pressione neutrale rilevata (Kg/cm ²);
Fc	Contenuto in materiale fine(%)

Profondità	qc	fs	U2	Tilt	Temp	qc/fs	Fr	Uo	qcn	fsn	FC%
0.02	0.0	0.0	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
0.04	0.0	0.0	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
0.06	23.0	0.629	0.10	0.0	0.0	36.566	2.735	0.0	0.0	0.0	0
0.08	22.0	0.894	0.03	0.0	0.0	24.609	4.064	0.0	0.0	0.0	0
0.10	20.0	1.193	-0.02	0.0	0.0	16.764	5.965	0.0	0.0	0.0	0
0.12	19.0	1.427	-0.09	0.0	0.0	13.315	7.511	0.0	0.0	0.0	0
0.14	19.0	1.598	-0.15	0.0	0.0	11.89	8.411	0.0	0.0	0.0	0
0.16	18.0	1.686	-0.19	0.0	0.0	10.676	9.367	0.0	0.0	0.0	0
0.18	17.0	1.664	-0.23	0.0	0.0	10.216	9.788	0.0	0.0	0.0	0
0.20	17.0	1.557	-0.24	0.0	0.0	10.918	9.159	0.0	0.0	0.0	0
0.22	17.0	1.444	-0.27	0.0	0.0	11.773	8.494	0.0	0.0	0.0	0
0.24	16.0	1.384	-0.28	0.0	0.0	11.561	8.65	0.0	0.0	0.0	0
0.26	17.0	1.031	-0.32	0.0	0.0	16.489	6.065	0.0	0.0	0.0	0
0.28	17.0	1.194	-0.47	0.0	0.0	14.238	7.024	0.0	0.0	0.0	0
0.30	17.0	1.229	-0.49	0.0	0.0	13.832	7.229	0.0	0.0	0.0	0
0.32	16.0	1.232	-0.49	0.0	0.0	12.987	7.7	0.0	0.0	0.0	0
0.34	16.0	1.257	-0.50	0.0	0.0	12.729	7.856	0.0	0.0	0.0	0
0.36	16.0	1.265	-0.50	0.0	0.0	12.648	7.906	0.0	0.0	0.0	0
0.38	16.0	1.237	-0.51	0.0	0.0	12.935	7.731	0.0	0.0	0.0	0
0.40	16.0	1.246	-0.53	0.0	0.0	12.841	7.788	0.0	0.0	0.0	0
0.42	16.0	1.271	-0.53	0.0	0.0	12.589	7.944	0.0	0.0	0.0	0
0.44	16.0	1.293	-0.53	0.0	0.0	12.374	8.081	0.0	0.0	0.0	0
0.46	15.0	1.297	-0.53	0.0	0.0	11.565	8.647	0.0	0.0	0.0	0

0.48	15.0	1.295	-0.53	0.0	0.0	11.583	8.633	0.0	0.0	0.0	0
0.50	15.0	1.326	-0.54	0.0	0.0	11.312	8.84	0.0	0.0	0.0	0
0.52	15.0	1.35	-0.54	0.0	0.0	11.111	9.0	0.0	0.0	0.0	0
0.54	15.0	1.359	-0.54	0.0	0.0	11.038	9.06	0.0	0.0	0.0	0
0.56	15.0	1.359	-0.54	0.0	0.0	11.038	9.06	0.0	0.0	0.0	0
0.58	15.0	1.348	-0.54	0.0	0.0	11.128	8.987	0.0	0.0	0.0	0
0.60	15.0	1.319	-0.54	0.0	0.0	11.372	8.793	0.0	0.0	0.0	0
0.62	16.0	1.306	-0.55	0.0	0.0	12.251	8.163	0.0	0.0	0.0	0
0.64	16.0	1.322	-0.54	0.0	0.0	12.103	8.263	0.0	0.0	0.0	0
0.66	17.0	1.323	-0.55	0.0	0.0	12.85	7.782	0.0	0.0	0.0	0
0.68	17.0	1.301	-0.54	0.0	0.0	13.067	7.653	0.0	0.0	0.0	0
0.70	18.0	1.312	-0.54	0.0	0.0	13.72	7.289	0.0	0.0	0.0	0
0.72	18.0	1.322	-0.54	0.0	0.0	13.616	7.344	0.0	0.0	0.0	0
0.74	18.0	1.346	-0.54	0.0	0.0	13.373	7.478	0.0	0.0	0.0	0
0.76	18.0	1.35	-0.54	0.0	0.0	13.333	7.5	0.0	0.0	0.0	0
0.78	20.0	1.391	-0.53	0.0	0.0	14.378	6.955	0.0	0.0	0.0	0
0.80	23.0	1.451	-0.47	0.0	0.0	15.851	6.309	0.0	0.0	0.0	0
0.82	27.0	1.447	-0.43	0.0	0.0	18.659	5.359	0.0	0.0	0.0	0
0.84	32.0	1.417	-0.38	0.0	0.0	22.583	4.428	0.0	0.0	0.0	0
0.86	36.0	1.404	-0.36	0.0	0.0	25.641	3.9	0.0	0.0	0.0	0
0.88	39.0	1.492	-0.35	0.0	0.0	26.139	3.826	0.0	0.0	0.0	0
0.90	41.0	1.654	-0.34	0.0	0.0	24.788	4.034	0.0	0.0	0.0	0
0.92	44.0	1.823	-0.31	0.0	0.0	24.136	4.143	0.0	0.0	0.0	0
0.94	47.0	1.998	-0.31	0.0	0.0	23.524	4.251	0.0	0.0	0.0	0
0.96	49.0	2.157	-0.30	0.0	0.0	22.717	4.402	0.0	0.0	0.0	0
0.98	48.0	2.393	-0.31	0.0	0.0	20.059	4.985	0.0	0.0	0.0	0
1.00	49.0	2.515	-0.31	0.0	0.0	19.483	5.133	0.0	0.0	0.0	0
1.02	51.0	2.566	-0.31	0.0	0.0	19.875	5.031	0.0	0.0	0.0	0
1.04	50.0	2.637	-0.32	0.0	0.0	18.961	5.274	0.0	0.0	0.0	0
1.06	51.0	2.66	-0.31	0.0	0.0	19.173	5.216	0.0	0.0	0.0	0
1.08	54.0	2.607	-0.30	0.0	0.0	20.713	4.828	0.0	0.0	0.0	0
1.10	56.0	2.512	-0.27	0.0	0.0	22.293	4.486	0.0	0.0	0.0	0
1.12	57.0	2.378	-0.26	0.0	0.0	23.97	4.172	0.0	0.0	0.0	0
1.14	59.0	2.263	-0.24	0.0	0.0	26.072	3.836	0.0	0.0	0.0	0
1.16	62.0	2.062	-0.21	0.0	0.0	30.068	3.326	0.0	0.0	0.0	0
1.18	63.0	1.863	-0.20	0.0	0.0	33.816	2.957	0.0	0.0	0.0	0
1.20	63.0	1.752	-0.19	0.0	0.0	35.959	2.781	0.0	0.0	0.0	0
1.22	63.0	1.684	-0.17	0.0	0.0	37.411	2.673	0.0	0.0	0.0	0
1.24	63.0	1.435	0.03	0.0	0.0	43.902	2.278	0.0	0.0	0.0	0
1.26	63.0	1.412	0.03	0.0	0.0	44.618	2.241	0.0	0.0	0.0	0
1.28	62.0	1.419	0.03	0.0	0.0	43.693	2.289	0.0	0.0	0.0	0
1.30	58.0	1.515	0.00	0.0	0.0	38.284	2.612	0.0	0.0	0.0	0
1.32	56.0	1.702	0.00	0.0	0.0	32.902	3.039	0.0	0.0	0.0	0
1.34	54.0	1.839	0.00	0.0	0.0	29.364	3.406	0.0	0.0	0.0	0
1.36	52.0	1.968	0.00	0.0	0.0	26.423	3.785	0.0	0.0	0.0	0
1.38	47.0	2.109	-0.02	0.0	0.0	22.285	4.487	0.0	0.0	0.0	0
1.40	44.0	2.164	-0.02	0.0	0.0	20.333	4.918	0.0	0.0	0.0	0
1.42	42.0	2.208	-0.04	0.0	0.0	19.022	5.257	0.0	0.0	0.0	0
1.44	41.0	2.273	-0.02	0.0	0.0	18.038	5.544	0.0	0.0	0.0	0
1.46	38.0	2.327	-0.04	0.0	0.0	16.33	6.124	0.0	0.0	0.0	0
1.48	39.0	2.28	-0.04	0.0	0.0	17.105	5.846	0.0	0.0	0.0	0
1.50	36.0	2.213	-0.07	0.0	0.0	16.268	6.147	0.0	0.0	0.0	0
1.52	36.0	2.177	-0.05	0.0	0.0	16.537	6.047	0.0	0.0	0.0	0
1.54	37.0	2.164	-0.04	0.0	0.0	17.098	5.849	0.0	0.0	0.0	0
1.56	39.0	2.183	-0.04	0.0	0.0	17.865	5.597	0.0	0.0	0.0	0
1.58	39.0	2.174	-0.04	0.0	0.0	17.939	5.574	0.0	0.0	0.0	0
1.60	39.0	2.226	-0.05	0.0	0.0	17.52	5.708	0.0	0.0	0.0	0
1.62	40.0	2.267	-0.05	0.0	0.0	17.644	5.668	0.0	0.0	0.0	0
1.64	39.0	2.257	-0.05	0.0	0.0	17.28	5.787	0.0	0.0	0.0	0
1.66	38.0	2.216	-0.05	0.0	0.0	17.148	5.832	0.0	0.0	0.0	0
1.68	37.0	2.198	-0.04	0.0	0.0	16.833	5.941	0.0	0.0	0.0	0
1.70	37.0	2.179	-0.04	0.0	0.0	16.98	5.889	0.0	0.0	0.0	0
1.72	38.0	2.161	-0.04	0.0	0.0	17.584	5.687	0.0	0.0	0.0	0
1.74	38.0	2.169	-0.02	0.0	0.0	17.52	5.708	0.0	0.0	0.0	0
1.76	38.0	2.211	-0.02	0.0	0.0	17.187	5.818	0.0	0.0	0.0	0
1.78	38.0	2.238	-0.02	0.0	0.0	16.979	5.889	0.0	0.0	0.0	0
1.80	38.0	2.278	-0.01	0.0	0.0	16.681	5.995	0.0	0.0	0.0	0
1.82	37.0	2.276	-0.02	0.0	0.0	16.257	6.151	0.0	0.0	0.0	0
1.84	36.0	2.345	-0.02	0.0	0.0	15.352	6.514	0.0	0.0	0.0	0
1.86	35.0	2.35	-0.04	0.0	0.0	14.894	6.714	0.0	0.0	0.0	0

1.88	35.0	2.291	-0.02	0.0	0.0	15.277	6.546	0.0	0.0	0.0	0
1.90	34.0	2.241	-0.04	0.0	0.0	15.172	6.591	0.0	0.0	0.0	0
1.92	33.0	2.2	-0.04	0.0	0.0	15.0	6.667	0.0	0.0	0.0	0
1.94	32.0	2.135	-0.02	0.0	0.0	14.988	6.672	0.0	0.0	0.0	0
1.96	31.0	2.105	-0.02	0.0	0.0	14.727	6.79	0.0	0.0	0.0	0
1.98	30.0	2.069	-0.02	0.0	0.0	14.5	6.897	0.0	0.0	0.0	0
2.00	30.0	2.062	-0.01	0.0	0.0	14.549	6.873	0.0	0.0	0.0	0
2.02	29.0	2.043	-0.01	0.0	0.0	14.195	7.045	0.0	0.0	0.0	0
2.04	29.0	1.995	0.00	0.0	0.0	14.536	6.879	0.0	0.0	0.0	0
2.06	29.0	1.947	0.02	0.0	0.0	14.895	6.714	0.0	0.0	0.0	0
2.08	28.0	1.915	0.02	0.0	0.0	14.621	6.839	0.0	0.0	0.0	0
2.10	27.0	1.889	0.02	0.0	0.0	14.293	6.996	0.0	0.0	0.0	0
2.12	25.0	1.881	-0.01	0.0	0.0	13.291	7.524	0.0	0.0	0.0	0
2.14	24.0	1.842	-0.02	0.0	0.0	13.029	7.675	0.0	0.0	0.0	0
2.16	22.0	1.804	-0.02	0.0	0.0	12.195	8.2	0.0	0.0	0.0	0
2.18	21.0	1.751	-0.04	0.0	0.0	11.993	8.338	0.0	0.0	0.0	0
2.20	20.0	1.705	-0.04	0.0	0.0	11.73	8.525	0.0	0.0	0.0	0
2.22	18.0	1.665	-0.04	0.0	0.0	10.811	9.25	0.0	0.0	0.0	0
2.24	16.0	1.607	-0.05	0.0	0.0	9.956	10.044	0.0	0.0	0.0	0
2.26	15.0	1.541	-0.05	0.0	0.0	9.734	10.273	0.0	0.0	0.0	0
2.28	15.0	1.468	-0.05	0.0	0.0	10.218	9.787	0.0	0.0	0.0	0
2.30	15.0	1.386	-0.07	0.0	0.0	10.823	9.24	0.0	0.0	0.0	0
2.32	15.0	1.306	-0.05	0.0	0.0	11.485	8.707	0.0	0.0	0.0	0
2.34	15.0	1.218	-0.05	0.0	0.0	12.315	8.12	0.0	0.0	0.0	0
2.36	15.0	1.149	-0.04	0.0	0.0	13.055	7.66	0.0	0.0	0.0	0
2.38	15.0	1.075	-0.04	0.0	0.0	13.953	7.167	0.0	0.0	0.0	0
2.40	15.0	1.055	-0.02	0.0	0.0	14.218	7.033	0.0	0.0	0.0	0
2.42	16.0	1.071	-0.01	0.0	0.0	14.939	6.694	0.0	0.0	0.0	0
2.44	16.0	1.086	0.00	0.0	0.0	14.733	6.788	0.0	0.0	0.0	0
2.46	17.0	1.109	0.03	0.0	0.0	15.329	6.524	0.0	0.0	0.0	0
2.48	17.0	1.125	0.11	0.0	0.0	15.111	6.618	0.0	0.0	0.0	0
2.50	17.0	1.147	0.14	0.0	0.0	14.821	6.747	0.0	0.0	0.0	0
2.52	17.0	1.156	0.13	0.0	0.0	14.706	6.8	0.0	0.0	0.0	0
2.54	16.0	1.187	0.13	0.0	0.0	13.479	7.419	0.0	0.0	0.0	0
2.56	16.0	1.228	0.11	0.0	0.0	13.029	7.675	0.0	0.0	0.0	0
2.58	15.0	1.254	0.04	0.0	0.0	11.962	8.36	0.0	0.0	0.0	0
2.60	15.0	1.288	0.03	0.0	0.0	11.646	8.587	0.0	0.0	0.0	0
2.62	14.0	1.306	0.00	0.0	0.0	10.72	9.329	0.0	0.0	0.0	0
2.64	13.0	1.294	0.02	0.0	0.0	10.046	9.954	0.0	0.0	0.0	0
2.66	13.0	1.247	0.03	0.0	0.0	10.425	9.592	0.0	0.0	0.0	0
2.68	13.0	1.19	0.06	0.0	0.0	10.924	9.154	0.0	0.0	0.0	0
2.70	13.0	1.153	0.10	0.0	0.0	11.275	8.869	0.0	0.0	0.0	0
2.72	13.0	1.148	0.11	0.0	0.0	11.324	8.831	0.0	0.0	0.0	0
2.74	13.0	1.114	0.14	0.0	0.0	11.67	8.569	0.0	0.0	0.0	0
2.76	13.0	1.053	0.18	0.0	0.0	12.346	8.1	0.0	0.0	0.0	0
2.78	13.0	1.006	0.19	0.0	0.0	12.922	7.738	0.0	0.0	0.0	0
2.80	13.0	1.0	0.21	0.0	0.0	13.0	7.692	0.0	0.0	0.0	0
2.82	13.0	0.995	0.21	0.0	0.0	13.065	7.654	0.0	0.0	0.0	0
2.84	13.0	1.006	0.22	0.0	0.0	12.922	7.738	0.0	0.0	0.0	0
2.86	13.0	1.03	0.23	0.0	0.0	12.621	7.923	0.0	0.0	0.0	0
2.88	13.0	1.056	0.25	0.0	0.0	12.311	8.123	0.0	0.0	0.0	0
2.90	12.0	1.077	0.23	0.0	0.0	11.142	8.975	0.0	0.0	0.0	0
2.92	12.0	1.073	0.23	0.0	0.0	11.184	8.942	0.0	0.0	0.0	0
2.94	12.0	1.056	0.25	0.0	0.0	11.364	8.8	0.0	0.0	0.0	0
2.96	12.0	1.05	0.26	0.0	0.0	11.429	8.75	0.0	0.0	0.0	0
2.98	12.0	1.027	0.27	0.0	0.0	11.685	8.558	0.0	0.0	0.0	0
3.00	12.0	0.988	0.29	0.0	0.0	12.146	8.233	0.0	0.0	0.0	0
3.02	12.0	0.936	0.30	0.0	0.0	12.821	7.8	0.0	0.0	0.0	0
3.04	13.0	0.899	0.32	0.0	0.0	14.461	6.915	0.0	0.0	0.0	0
3.06	13.0	0.877	0.32	0.0	0.0	14.823	6.746	0.0	0.0	0.0	0
3.08	13.0	0.889	0.33	0.0	0.0	14.623	6.838	0.0	0.0	0.0	0
3.10	13.0	0.903	0.34	0.0	0.0	14.396	6.946	0.0	0.0	0.0	0
3.12	14.0	0.909	0.37	0.0	0.0	15.402	6.493	0.0	0.0	0.0	0
3.14	14.0	0.893	0.38	0.0	0.0	15.677	6.379	0.0	0.0	0.0	0
3.16	14.0	0.883	0.40	0.0	0.0	15.855	6.307	0.0	0.0	0.0	0
3.18	14.0	0.864	0.48	0.0	0.0	16.204	6.171	0.0	0.0	0.0	0
3.20	16.0	0.897	0.55	0.0	0.0	17.837	5.606	0.0	0.0	0.0	0
3.22	16.0	0.877	0.46	0.0	0.0	18.244	5.481	0.0	0.0	0.0	0
3.24	17.0	0.929	0.48	0.0	0.0	18.299	5.465	0.0	0.0	0.0	0
3.26	17.0	1.015	0.46	0.0	0.0	16.749	5.971	0.0	0.0	0.0	0

3.28	17.0	1.085	0.45	0.0	0.0	15.668	6.382	0.0	0.0	0.0	0
3.30	17.0	1.177	0.44	0.0	0.0	14.444	6.924	0.0	0.0	0.0	0
3.32	17.0	1.297	0.42	0.0	0.0	13.107	7.629	0.0	0.0	0.0	0
3.34	16.0	1.369	0.42	0.0	0.0	11.687	8.556	0.0	0.0	0.0	0
3.36	16.0	1.405	0.42	0.0	0.0	11.388	8.781	0.0	0.0	0.0	0
3.38	16.0	1.406	0.53	0.0	0.0	11.38	8.788	0.0	0.0	0.0	0
3.40	17.0	1.363	0.55	0.0	0.0	12.472	8.018	0.0	0.0	0.0	0
3.42	18.0	1.319	0.56	0.0	0.0	13.647	7.328	0.0	0.0	0.0	0
3.44	18.0	1.29	0.56	0.0	0.0	13.953	7.167	0.0	0.0	0.0	0
3.46	19.0	1.309	0.55	0.0	0.0	14.515	6.889	0.0	0.0	0.0	0
3.48	19.0	1.365	0.27	0.0	0.0	13.919	7.184	0.0	0.0	0.0	0
3.50	19.0	1.403	0.27	0.0	0.0	13.542	7.384	0.0	0.0	0.0	0
3.52	20.0	1.445	0.25	0.0	0.0	13.841	7.225	0.0	0.0	0.0	0
3.54	19.0	1.513	0.23	0.0	0.0	12.558	7.963	0.0	0.0	0.0	0
3.56	19.0	1.58	0.23	0.0	0.0	12.025	8.316	0.0	0.0	0.0	0
3.58	19.0	1.62	0.23	0.0	0.0	11.728	8.526	0.0	0.0	0.0	0
3.60	19.0	1.651	0.23	0.0	0.0	11.508	8.689	0.0	0.0	0.0	0
3.62	19.0	1.685	0.23	0.0	0.0	11.276	8.868	0.0	0.0	0.0	0
3.64	19.0	1.696	0.25	0.0	0.0	11.203	8.926	0.0	0.0	0.0	0
3.66	19.0	1.675	0.25	0.0	0.0	11.343	8.816	0.0	0.0	0.0	0
3.68	20.0	1.619	0.26	0.0	0.0	12.353	8.095	0.0	0.0	0.0	0
3.70	20.0	1.553	0.27	0.0	0.0	12.878	7.765	0.0	0.0	0.0	0
3.72	20.0	1.524	0.27	0.0	0.0	13.123	7.62	0.0	0.0	0.0	0
3.74	20.0	1.524	0.27	0.0	0.0	13.123	7.62	0.0	0.0	0.0	0
3.76	20.0	1.481	0.27	0.0	0.0	13.504	7.405	0.0	0.0	0.0	0
3.78	20.0	1.497	0.29	0.0	0.0	13.36	7.485	0.0	0.0	0.0	0
3.80	19.0	1.507	0.29	0.0	0.0	12.608	7.932	0.0	0.0	0.0	0
3.82	20.0	1.51	0.29	0.0	0.0	13.245	7.55	0.0	0.0	0.0	0
3.84	19.0	1.505	0.29	0.0	0.0	12.625	7.921	0.0	0.0	0.0	0
3.86	19.0	1.466	0.29	0.0	0.0	12.96	7.716	0.0	0.0	0.0	0
3.88	19.0	1.444	0.29	0.0	0.0	13.158	7.6	0.0	0.0	0.0	0
3.90	19.0	1.424	0.29	0.0	0.0	13.343	7.495	0.0	0.0	0.0	0
3.92	18.0	1.417	0.29	0.0	0.0	12.703	7.872	0.0	0.0	0.0	0
3.94	17.0	1.395	0.26	0.0	0.0	12.186	8.206	0.0	0.0	0.0	0
3.96	17.0	1.364	0.26	0.0	0.0	12.463	8.024	0.0	0.0	0.0	0
3.98	17.0	1.328	0.26	0.0	0.0	12.801	7.812	0.0	0.0	0.0	0
4.00	17.0	1.308	0.27	0.0	0.0	12.997	7.694	0.0	0.0	0.0	0
4.02	17.0	1.286	0.29	0.0	0.0	13.219	7.565	0.0	0.0	0.0	0
4.04	17.0	1.261	0.29	0.0	0.0	13.481	7.418	0.0	0.0	0.0	0
4.06	17.0	1.242	0.30	0.0	0.0	13.688	7.306	0.0	0.0	0.0	0
4.08	17.0	1.248	0.30	0.0	0.0	13.622	7.341	0.0	0.0	0.0	0
4.10	16.0	1.288	0.30	0.0	0.0	12.422	8.05	0.0	0.0	0.0	0
4.12	17.0	1.308	0.30	0.0	0.0	12.997	7.694	0.0	0.0	0.0	0
4.14	16.0	1.332	0.33	0.0	0.0	12.012	8.325	0.0	0.0	0.0	0
4.16	17.0	1.354	0.37	0.0	0.0	12.555	7.965	0.0	0.0	0.0	0
4.18	17.0	1.382	0.46	0.0	0.0	12.301	8.129	0.0	0.0	0.0	0
4.20	17.0	1.337	0.45	0.0	0.0	12.715	7.865	0.0	0.0	0.0	0
4.22	17.0	1.307	0.46	0.0	0.0	13.007	7.688	0.0	0.0	0.0	0
4.24	17.0	1.286	0.46	0.0	0.0	13.219	7.565	0.0	0.0	0.0	0
4.26	16.0	1.271	0.49	0.0	0.0	12.589	7.944	0.0	0.0	0.0	0
4.28	16.0	1.252	0.55	0.0	0.0	12.78	7.825	0.0	0.0	0.0	0
4.30	16.0	1.234	0.56	0.0	0.0	12.966	7.713	0.0	0.0	0.0	0
4.32	16.0	1.203	0.56	0.0	0.0	13.3	7.519	0.0	0.0	0.0	0
4.34	16.0	1.182	0.57	0.0	0.0	13.536	7.388	0.0	0.0	0.0	0
4.36	16.0	1.16	0.57	0.0	0.0	13.793	7.25	0.0	0.0	0.0	0
4.38	16.0	1.137	0.57	0.0	0.0	14.072	7.106	0.0	0.0	0.0	0
4.40	16.0	1.123	0.56	0.0	0.0	14.248	7.019	0.0	0.0	0.0	0
4.42	15.0	1.109	0.57	0.0	0.0	13.526	7.393	0.0	0.0	0.0	0
4.44	15.0	1.105	0.57	0.0	0.0	13.575	7.367	0.0	0.0	0.0	0
4.46	15.0	1.098	0.57	0.0	0.0	13.661	7.32	0.0	0.0	0.0	0
4.48	15.0	1.08	0.56	0.0	0.0	13.889	7.2	0.0	0.0	0.0	0
4.50	13.0	1.046	0.53	0.0	0.0	12.428	8.046	0.0	0.0	0.0	0
4.52	13.0	1.022	0.52	0.0	0.0	12.72	7.862	0.0	0.0	0.0	0
4.54	12.0	1.027	0.51	0.0	0.0	11.685	8.558	0.0	0.0	0.0	0
4.56	11.0	1.044	0.49	0.0	0.0	10.536	9.491	0.0	0.0	0.0	0
4.58	11.0	1.028	0.48	0.0	0.0	10.7	9.345	0.0	0.0	0.0	0
4.60	11.0	1.0	0.49	0.0	0.0	11.0	9.091	0.0	0.0	0.0	0
4.62	11.0	0.921	0.49	0.0	0.0	11.944	8.373	0.0	0.0	0.0	0
4.64	11.0	0.821	0.51	0.0	0.0	13.398	7.464	0.0	0.0	0.0	0
4.66	11.0	0.729	0.49	0.0	0.0	15.089	6.627	0.0	0.0	0.0	0

4.68	11.0	0.634	0.49	0.0	0.0	17.35	5.764	0.0	0.0	0.0	0
4.70	11.0	0.567	0.49	0.0	0.0	19.4	5.155	0.0	0.0	0.0	0
4.72	10.0	0.516	0.48	0.0	0.0	19.38	5.16	0.0	0.0	0.0	0
4.74	10.0	0.491	0.46	0.0	0.0	20.367	4.91	0.0	0.0	0.0	0
4.76	9.0	0.486	0.46	0.0	0.0	18.519	5.4	0.0	0.0	0.0	0
4.78	9.0	0.461	0.46	0.0	0.0	19.523	5.122	0.0	0.0	0.0	0
4.80	10.0	0.426	0.49	0.0	0.0	23.474	4.26	0.0	0.0	0.0	0
4.82	10.0	0.393	0.49	0.0	0.0	25.445	3.93	0.0	0.0	0.0	0
4.84	10.0	0.37	0.51	0.0	0.0	27.027	3.7	0.0	0.0	0.0	0
4.86	11.0	0.349	0.53	0.0	0.0	31.519	3.173	0.0	0.0	0.0	0
4.88	12.0	0.327	0.60	0.0	0.0	36.697	2.725	0.0	0.0	0.0	0
4.90	13.0	0.313	0.64	0.0	0.0	41.534	2.408	0.0	0.0	0.0	0
4.92	13.0	0.345	0.68	0.0	0.0	37.681	2.654	0.0	0.0	0.0	0
4.94	13.0	0.368	0.76	0.0	0.0	35.326	2.831	0.0	0.0	0.0	0
4.96	14.0	0.393	0.91	0.0	0.0	35.623	2.807	0.0	0.0	0.0	0
4.98	15.0	0.394	0.98	0.0	0.0	38.071	2.627	0.0	0.0	0.0	0
5.00	16.0	0.396	1.05	0.0	0.0	40.404	2.475	0.0	0.0	0.0	0
5.02	17.0	0.436	1.18	0.0	0.0	38.991	2.565	0.0	0.0	0.0	0
5.04	18.0	0.48	1.25	0.0	0.0	37.5	2.667	0.0	0.0	0.0	0
5.06	19.0	0.524	1.26	0.0	0.0	36.26	2.758	0.0	0.0	0.0	0
5.08	19.0	0.592	1.29	0.0	0.0	32.095	3.116	0.0	0.0	0.0	0
5.10	18.0	0.702	1.31	0.0	0.0	25.641	3.9	0.0	0.0	0.0	0
5.12	17.0	0.766	1.28	0.0	0.0	22.193	4.506	0.0	0.0	0.0	0
5.14	16.0	0.84	1.25	0.0	0.0	19.048	5.25	0.0	0.0	0.0	0
5.16	16.0	1.027	1.71	0.0	0.0	15.579	6.419	0.0	0.0	0.0	0
5.18	15.0	1.077	1.67	0.0	0.0	13.928	7.18	0.0	0.0	0.0	0
5.20	16.0	1.112	1.67	0.0	0.0	14.388	6.95	0.0	0.0	0.0	0
5.22	16.0	1.153	1.71	0.0	0.0	13.877	7.206	0.0	0.0	0.0	0
5.24	16.0	1.179	1.77	0.0	0.0	13.571	7.369	0.0	0.0	0.0	0
5.26	16.0	1.166	1.77	0.0	0.0	13.722	7.288	0.0	0.0	0.0	0
5.28	16.0	1.161	1.79	0.0	0.0	13.781	7.256	0.0	0.0	0.0	0
5.30	16.0	1.192	1.82	0.0	0.0	13.423	7.45	0.0	0.0	0.0	0
5.32	16.0	1.212	1.92	0.0	0.0	13.201	7.575	0.0	0.0	0.0	0
5.34	18.0	1.18	1.98	0.0	0.0	15.254	6.556	0.0	0.0	0.0	0
5.36	19.0	1.138	2.05	0.0	0.0	16.696	5.989	0.0	0.0	0.0	0
5.38	19.0	1.125	2.13	0.0	0.0	16.889	5.921	0.0	0.0	0.0	0
5.40	20.0	1.108	2.16	0.0	0.0	18.051	5.54	0.0	0.0	0.0	0
5.42	20.0	1.111	2.19	0.0	0.0	18.002	5.555	0.0	0.0	0.0	0
5.44	20.0	1.141	2.19	0.0	0.0	17.528	5.705	0.0	0.0	0.0	0
5.46	20.0	1.148	2.17	0.0	0.0	17.422	5.74	0.0	0.0	0.0	0
5.48	20.0	1.214	2.17	0.0	0.0	16.474	6.07	0.0	0.0	0.0	0
5.50	20.0	1.268	2.20	0.0	0.0	15.773	6.34	0.0	0.0	0.0	0
5.52	20.0	1.31	2.19	0.0	0.0	15.267	6.55	0.0	0.0	0.0	0
5.54	20.0	1.348	2.19	0.0	0.0	14.837	6.74	0.0	0.0	0.0	0
5.56	19.0	1.38	2.15	0.0	0.0	13.768	7.263	0.0	0.0	0.0	0
5.58	18.0	1.415	2.13	0.0	0.0	12.721	7.861	0.0	0.0	0.0	0
5.60	17.0	1.43	2.12	0.0	0.0	11.888	8.412	0.0	0.0	0.0	0
5.62	17.0	1.412	2.09	0.0	0.0	12.04	8.306	0.0	0.0	0.0	0
5.64	17.0	1.377	2.09	0.0	0.0	12.346	8.1	0.0	0.0	0.0	0
5.66	17.0	1.353	2.09	0.0	0.0	12.565	7.959	0.0	0.0	0.0	0
5.68	17.0	1.272	2.09	0.0	0.0	13.365	7.482	0.0	0.0	0.0	0
5.70	17.0	1.166	2.09	0.0	0.0	14.58	6.859	0.0	0.0	0.0	0
5.72	17.0	1.077	2.09	0.0	0.0	15.785	6.335	0.0	0.0	0.0	0
5.74	17.0	1.022	2.11	0.0	0.0	16.634	6.012	0.0	0.0	0.0	0
5.76	17.0	0.982	2.11	0.0	0.0	17.312	5.776	0.0	0.0	0.0	0
5.78	17.0	0.964	2.09	0.0	0.0	17.635	5.671	0.0	0.0	0.0	0
5.80	17.0	0.99	2.09	0.0	0.0	17.172	5.824	0.0	0.0	0.0	0
5.82	17.0	1.033	2.07	0.0	0.0	16.457	6.076	0.0	0.0	0.0	0
5.84	17.0	1.048	2.07	0.0	0.0	16.221	6.165	0.0	0.0	0.0	0
5.86	16.0	1.063	2.05	0.0	0.0	15.052	6.644	0.0	0.0	0.0	0
5.88	16.0	1.073	2.04	0.0	0.0	14.911	6.706	0.0	0.0	0.0	0
5.90	16.0	1.083	2.01	0.0	0.0	14.774	6.769	0.0	0.0	0.0	0
5.92	15.0	1.101	2.00	0.0	0.0	13.624	7.34	0.0	0.0	0.0	0
5.94	15.0	1.101	1.98	0.0	0.0	13.624	7.34	0.0	0.0	0.0	0
5.96	15.0	1.104	1.94	0.0	0.0	13.587	7.36	0.0	0.0	0.0	0
5.98	14.0	1.118	1.92	0.0	0.0	12.522	7.986	0.0	0.0	0.0	0
6.00	14.0	1.123	1.92	0.0	0.0	12.467	8.021	0.0	0.0	0.0	0
6.02	14.0	1.093	1.92	0.0	0.0	12.809	7.807	0.0	0.0	0.0	0
6.04	14.0	1.062	1.93	0.0	0.0	13.183	7.586	0.0	0.0	0.0	0
6.06	14.0	1.028	1.93	0.0	0.0	13.619	7.343	0.0	0.0	0.0	0

6.08	14.0	0.984	1.93	0.0	0.0	14.228	7.029	0.0	0.0	0.0	0
6.10	14.0	0.948	1.90	0.0	0.0	14.768	6.771	0.0	0.0	0.0	0
6.12	14.0	0.924	1.73	0.0	0.0	15.152	6.6	0.0	0.0	0.0	0
6.14	13.0	0.944	1.73	0.0	0.0	13.771	7.262	0.0	0.0	0.0	0
6.16	13.0	0.945	1.71	0.0	0.0	13.757	7.269	0.0	0.0	0.0	0
6.18	13.0	0.937	1.71	0.0	0.0	13.874	7.208	0.0	0.0	0.0	0
6.20	13.0	0.934	1.71	0.0	0.0	13.919	7.185	0.0	0.0	0.0	0
6.22	13.0	0.91	1.71	0.0	0.0	14.286	7.0	0.0	0.0	0.0	0
6.24	14.0	0.899	1.73	0.0	0.0	15.573	6.421	0.0	0.0	0.0	0
6.26	15.0	0.862	1.74	0.0	0.0	17.401	5.747	0.0	0.0	0.0	0
6.28	15.0	0.832	1.75	0.0	0.0	18.029	5.547	0.0	0.0	0.0	0
6.30	15.0	0.828	1.77	0.0	0.0	18.116	5.52	0.0	0.0	0.0	0
6.32	15.0	0.823	1.75	0.0	0.0	18.226	5.487	0.0	0.0	0.0	0
6.34	15.0	0.823	1.75	0.0	0.0	18.226	5.487	0.0	0.0	0.0	0
6.36	15.0	0.837	1.73	0.0	0.0	17.921	5.58	0.0	0.0	0.0	0
6.38	15.0	0.878	1.71	0.0	0.0	17.084	5.853	0.0	0.0	0.0	0
6.40	15.0	0.898	1.71	0.0	0.0	16.704	5.987	0.0	0.0	0.0	0
6.42	15.0	0.928	1.71	0.0	0.0	16.164	6.187	0.0	0.0	0.0	0
6.44	14.0	0.975	1.69	0.0	0.0	14.359	6.964	0.0	0.0	0.0	0
6.46	14.0	1.008	1.67	0.0	0.0	13.889	7.2	0.0	0.0	0.0	0
6.48	14.0	1.005	1.66	0.0	0.0	13.93	7.179	0.0	0.0	0.0	0
6.50	14.0	1.002	1.64	0.0	0.0	13.972	7.157	0.0	0.0	0.0	0
6.52	14.0	1.013	1.64	0.0	0.0	13.82	7.236	0.0	0.0	0.0	0
6.54	13.0	1.0	1.64	0.0	0.0	13.0	7.692	0.0	0.0	0.0	0
6.56	14.0	0.973	1.64	0.0	0.0	14.388	6.95	0.0	0.0	0.0	0
6.58	13.0	0.948	1.63	0.0	0.0	13.713	7.292	0.0	0.0	0.0	0
6.60	14.0	0.934	1.63	0.0	0.0	14.989	6.671	0.0	0.0	0.0	0
6.62	13.0	0.92	1.62	0.0	0.0	14.13	7.077	0.0	0.0	0.0	0
6.64	13.0	0.903	1.62	0.0	0.0	14.396	6.946	0.0	0.0	0.0	0
6.66	13.0	0.895	1.60	0.0	0.0	14.525	6.885	0.0	0.0	0.0	0
6.68	13.0	0.869	1.60	0.0	0.0	14.96	6.685	0.0	0.0	0.0	0
6.70	13.0	0.843	1.60	0.0	0.0	15.421	6.485	0.0	0.0	0.0	0
6.72	13.0	0.835	1.59	0.0	0.0	15.569	6.423	0.0	0.0	0.0	0
6.74	13.0	0.818	1.58	0.0	0.0	15.892	6.292	0.0	0.0	0.0	0
6.76	13.0	0.815	1.56	0.0	0.0	15.951	6.269	0.0	0.0	0.0	0
6.78	12.0	0.824	1.55	0.0	0.0	14.563	6.867	0.0	0.0	0.0	0
6.80	12.0	0.83	1.52	0.0	0.0	14.458	6.917	0.0	0.0	0.0	0
6.82	11.0	0.838	1.50	0.0	0.0	13.126	7.618	0.0	0.0	0.0	0
6.84	10.0	0.841	1.47	0.0	0.0	11.891	8.41	0.0	0.0	0.0	0
6.86	9.0	0.823	1.44	0.0	0.0	10.936	9.144	0.0	0.0	0.0	0
6.88	8.0	0.794	1.44	0.0	0.0	10.076	9.925	0.0	0.0	0.0	0
6.90	8.0	0.752	1.43	0.0	0.0	10.638	9.4	0.0	0.0	0.0	0
6.92	8.0	0.724	1.41	0.0	0.0	11.05	9.05	0.0	0.0	0.0	0
6.94	8.0	0.705	1.39	0.0	0.0	11.348	8.813	0.0	0.0	0.0	0
6.96	8.0	0.672	1.36	0.0	0.0	11.905	8.4	0.0	0.0	0.0	0
6.98	8.0	0.633	1.36	0.0	0.0	12.638	7.913	0.0	0.0	0.0	0
7.00	8.0	0.587	1.35	0.0	0.0	13.629	7.338	0.0	0.0	0.0	0
7.02	8.0	0.555	1.35	0.0	0.0	14.414	6.938	0.0	0.0	0.0	0
7.04	8.0	0.535	1.35	0.0	0.0	14.953	6.688	0.0	0.0	0.0	0
7.06	8.0	0.51	1.35	0.0	0.0	15.686	6.375	0.0	0.0	0.0	0
7.08	9.0	0.485	1.36	0.0	0.0	18.557	5.389	0.0	0.0	0.0	0
7.10	9.0	0.457	1.36	0.0	0.0	19.694	5.078	0.0	0.0	0.0	0
7.12	10.0	0.39	1.28	0.0	0.0	25.641	3.9	0.0	0.0	0.0	0
7.14	11.0	0.396	1.29	0.0	0.0	27.778	3.6	0.0	0.0	0.0	0
7.16	11.0	0.383	1.31	0.0	0.0	28.721	3.482	0.0	0.0	0.0	0
7.18	11.0	0.365	1.32	0.0	0.0	30.137	3.318	0.0	0.0	0.0	0
7.20	12.0	0.363	1.33	0.0	0.0	33.058	3.025	0.0	0.0	0.0	0
7.22	12.0	0.38	1.35	0.0	0.0	31.579	3.167	0.0	0.0	0.0	0
7.24	13.0	0.405	1.35	0.0	0.0	32.099	3.115	0.0	0.0	0.0	0
7.26	13.0	0.437	1.36	0.0	0.0	29.748	3.362	0.0	0.0	0.0	0
7.28	13.0	0.462	1.36	0.0	0.0	28.139	3.554	0.0	0.0	0.0	0
7.30	13.0	0.495	1.36	0.0	0.0	26.263	3.808	0.0	0.0	0.0	0
7.32	13.0	0.529	1.36	0.0	0.0	24.575	4.069	0.0	0.0	0.0	0
7.34	13.0	0.56	1.36	0.0	0.0	23.214	4.308	0.0	0.0	0.0	0
7.36	13.0	0.605	1.36	0.0	0.0	21.488	4.654	0.0	0.0	0.0	0
7.38	13.0	0.612	1.36	0.0	0.0	21.242	4.708	0.0	0.0	0.0	0
7.40	13.0	0.583	1.37	0.0	0.0	22.298	4.485	0.0	0.0	0.0	0
7.42	13.0	0.579	1.36	0.0	0.0	22.453	4.454	0.0	0.0	0.0	0
7.44	13.0	0.585	1.36	0.0	0.0	22.222	4.5	0.0	0.0	0.0	0
7.46	13.0	0.599	1.36	0.0	0.0	21.703	4.608	0.0	0.0	0.0	0

7.48	13.0	0.604	1.36	0.0	0.0	21.523	4.646	0.0	0.0	0.0	0
7.50	13.0	0.607	1.36	0.0	0.0	21.417	4.669	0.0	0.0	0.0	0
7.52	13.0	0.622	1.37	0.0	0.0	20.9	4.785	0.0	0.0	0.0	0
7.54	13.0	0.638	1.39	0.0	0.0	20.376	4.908	0.0	0.0	0.0	0
7.56	14.0	0.623	1.41	0.0	0.0	22.472	4.45	0.0	0.0	0.0	0
7.58	15.0	0.628	1.43	0.0	0.0	23.885	4.187	0.0	0.0	0.0	0
7.60	14.0	0.659	1.41	0.0	0.0	21.244	4.707	0.0	0.0	0.0	0
7.62	14.0	0.678	1.41	0.0	0.0	20.649	4.843	0.0	0.0	0.0	0
7.64	14.0	0.682	1.40	0.0	0.0	20.528	4.871	0.0	0.0	0.0	0
7.66	13.0	0.687	1.39	0.0	0.0	18.923	5.285	0.0	0.0	0.0	0
7.68	13.0	0.712	1.36	0.0	0.0	18.258	5.477	0.0	0.0	0.0	0
7.70	12.0	0.752	1.35	0.0	0.0	15.957	6.267	0.0	0.0	0.0	0
7.72	12.0	0.738	1.35	0.0	0.0	16.26	6.15	0.0	0.0	0.0	0
7.74	12.0	0.697	1.35	0.0	0.0	17.217	5.808	0.0	0.0	0.0	0
7.76	11.0	0.685	1.33	0.0	0.0	16.058	6.227	0.0	0.0	0.0	0
7.78	11.0	0.685	1.32	0.0	0.0	16.058	6.227	0.0	0.0	0.0	0
7.80	10.0	0.663	1.32	0.0	0.0	15.083	6.63	0.0	0.0	0.0	0
7.82	10.0	0.61	1.31	0.0	0.0	16.393	6.1	0.0	0.0	0.0	0
7.84	10.0	0.555	1.32	0.0	0.0	18.018	5.55	0.0	0.0	0.0	0
7.86	10.0	0.51	1.32	0.0	0.0	19.608	5.1	0.0	0.0	0.0	0
7.88	10.0	0.466	1.33	0.0	0.0	21.459	4.66	0.0	0.0	0.0	0
7.90	11.0	0.412	1.33	0.0	0.0	26.699	3.745	0.0	0.0	0.0	0
7.92	11.0	0.368	1.35	0.0	0.0	29.891	3.345	0.0	0.0	0.0	0
7.94	11.0	0.358	1.36	0.0	0.0	30.726	3.255	0.0	0.0	0.0	0
7.96	12.0	0.354	1.41	0.0	0.0	33.898	2.95	0.0	0.0	0.0	0
7.98	13.0	0.354	1.45	0.0	0.0	36.723	2.723	0.0	0.0	0.0	0
8.00	14.0	0.38	1.48	0.0	0.0	36.842	2.714	0.0	0.0	0.0	0
8.02	15.0	0.408	1.50	0.0	0.0	36.765	2.72	0.0	0.0	0.0	0
8.04	15.0	0.474	1.50	0.0	0.0	31.646	3.16	0.0	0.0	0.0	0
8.06	15.0	0.535	1.51	0.0	0.0	28.037	3.567	0.0	0.0	0.0	0
8.08	15.0	0.634	1.54	0.0	0.0	23.659	4.227	0.0	0.0	0.0	0
8.10	15.0	0.695	1.52	0.0	0.0	21.583	4.633	0.0	0.0	0.0	0
8.12	14.0	0.736	1.51	0.0	0.0	19.022	5.257	0.0	0.0	0.0	0
8.14	14.0	0.763	1.50	0.0	0.0	18.349	5.45	0.0	0.0	0.0	0
8.16	14.0	0.762	1.47	0.0	0.0	18.373	5.443	0.0	0.0	0.0	0
8.18	13.0	0.755	1.45	0.0	0.0	17.219	5.808	0.0	0.0	0.0	0
8.20	12.0	0.749	1.41	0.0	0.0	16.021	6.242	0.0	0.0	0.0	0
8.22	11.0	0.721	1.39	0.0	0.0	15.257	6.555	0.0	0.0	0.0	0
8.24	10.0	0.683	1.37	0.0	0.0	14.641	6.83	0.0	0.0	0.0	0
8.26	10.0	0.632	1.35	0.0	0.0	15.823	6.32	0.0	0.0	0.0	0
8.28	9.0	0.579	1.33	0.0	0.0	15.544	6.433	0.0	0.0	0.0	0
8.30	9.0	0.528	1.32	0.0	0.0	17.045	5.867	0.0	0.0	0.0	0
8.32	9.0	0.471	1.32	0.0	0.0	19.108	5.233	0.0	0.0	0.0	0
8.34	9.0	0.408	1.32	0.0	0.0	22.059	4.533	0.0	0.0	0.0	0
8.36	9.0	0.346	1.33	0.0	0.0	26.012	3.844	0.0	0.0	0.0	0
8.38	9.0	0.311	1.33	0.0	0.0	28.939	3.456	0.0	0.0	0.0	0
8.40	9.0	0.289	1.35	0.0	0.0	31.142	3.211	0.0	0.0	0.0	0
8.42	9.0	0.267	1.35	0.0	0.0	33.708	2.967	0.0	0.0	0.0	0
8.44	9.0	0.253	1.36	0.0	0.0	35.573	2.811	0.0	0.0	0.0	0
8.46	9.0	0.243	1.36	0.0	0.0	37.037	2.7	0.0	0.0	0.0	0
8.48	10.0	0.248	1.37	0.0	0.0	40.323	2.48	0.0	0.0	0.0	0
8.50	10.0	0.261	1.39	0.0	0.0	38.314	2.61	0.0	0.0	0.0	0
8.52	10.0	0.273	1.41	0.0	0.0	36.63	2.73	0.0	0.0	0.0	0
8.54	11.0	0.266	1.47	0.0	0.0	41.353	2.418	0.0	0.0	0.0	0
8.56	12.0	0.267	1.50	0.0	0.0	44.944	2.225	0.0	0.0	0.0	0
8.58	12.0	0.271	1.54	0.0	0.0	44.28	2.258	0.0	0.0	0.0	0
8.60	12.0	0.279	1.55	0.0	0.0	43.011	2.325	0.0	0.0	0.0	0
8.62	12.0	0.288	1.56	0.0	0.0	41.667	2.4	0.0	0.0	0.0	0
8.64	11.0	0.291	1.59	0.0	0.0	37.801	2.645	0.0	0.0	0.0	0
8.66	12.0	0.285	1.64	0.0	0.0	42.105	2.375	0.0	0.0	0.0	0
8.68	12.0	0.289	1.74	0.0	0.0	41.522	2.408	0.0	0.0	0.0	0
8.70	12.0	0.281	1.83	0.0	0.0	42.705	2.342	0.0	0.0	0.0	0
8.72	12.0	0.276	1.97	0.0	0.0	43.478	2.3	0.0	0.0	0.0	0
8.74	13.0	0.262	2.11	0.0	0.0	49.618	2.015	0.0	0.0	0.0	0
8.76	13.0	0.246	2.17	0.0	0.0	52.846	1.892	0.0	0.0	0.0	0
8.78	13.0	0.255	2.21	0.0	0.0	50.98	1.962	0.0	0.0	0.0	0
8.80	13.0	0.273	2.23	0.0	0.0	47.619	2.1	0.0	0.0	0.0	0
8.82	13.0	0.291	2.32	0.0	0.0	44.674	2.238	0.0	0.0	0.0	0
8.84	14.0	0.303	2.47	0.0	0.0	46.205	2.164	0.0	0.0	0.0	0
8.86	14.0	0.301	2.76	0.0	0.0	46.512	2.15	0.0	0.0	0.0	0

8.88	15.0	0.293	2.99	0.0	0.0	51.195	1.953	0.0	0.0	0.0	0
8.90	15.0	0.304	3.07	0.0	0.0	49.342	2.027	0.0	0.0	0.0	0
8.92	16.0	0.313	3.18	0.0	0.0	51.118	1.956	0.0	0.0	0.0	0
8.94	16.0	0.31	3.16	0.0	0.0	51.613	1.938	0.0	0.0	0.0	0
8.96	15.0	0.332	3.18	0.0	0.0	45.181	2.213	0.0	0.0	0.0	0
8.98	15.0	0.33	3.30	0.0	0.0	45.455	2.2	0.0	0.0	0.0	0
9.00	15.0	0.337	3.56	0.0	0.0	44.51	2.247	0.0	0.0	0.0	0
9.02	17.0	0.333	3.80	0.0	0.0	51.051	1.959	0.0	0.0	0.0	0
9.04	17.0	0.332	4.02	0.0	0.0	51.205	1.953	0.0	0.0	0.0	0
9.06	20.0	0.491	4.13	0.0	0.0	40.733	2.455	0.0	0.0	0.0	0
9.08	19.0	0.539	4.20	0.0	0.0	35.25	2.837	0.0	0.0	0.0	0
9.10	19.0	0.55	4.26	0.0	0.0	34.545	2.895	0.0	0.0	0.0	0
9.12	18.0	0.559	4.37	0.0	0.0	32.2	3.106	0.0	0.0	0.0	0
9.14	19.0	0.571	4.49	0.0	0.0	33.275	3.005	0.0	0.0	0.0	0
9.16	18.0	0.555	4.43	0.0	0.0	32.432	3.083	0.0	0.0	0.0	0
9.18	18.0	0.542	4.36	0.0	0.0	33.21	3.011	0.0	0.0	0.0	0
9.20	18.0	0.551	4.37	0.0	0.0	32.668	3.061	0.0	0.0	0.0	0
9.22	18.0	0.563	4.47	0.0	0.0	31.972	3.128	0.0	0.0	0.0	0
9.24	19.0	0.538	4.59	0.0	0.0	35.316	2.832	0.0	0.0	0.0	0
9.26	21.0	0.518	4.79	0.0	0.0	40.541	2.467	0.0	0.0	0.0	0
9.28	24.0	0.512	5.25	0.0	0.0	46.875	2.133	0.0	0.0	0.0	0
9.30	29.0	0.512	5.50	0.0	0.0	56.641	1.766	0.0	0.0	0.0	0
9.32	29.0	0.55	5.10	0.0	0.0	52.727	1.897	0.0	0.0	0.0	0
9.34	24.0	0.633	3.69	0.0	0.0	37.915	2.638	0.0	0.0	0.0	0
9.36	19.0	0.709	3.33	0.0	0.0	26.798	3.732	0.0	0.0	0.0	0
9.38	17.0	0.745	3.23	0.0	0.0	22.819	4.382	0.0	0.0	0.0	0
9.40	16.0	0.781	3.49	0.0	0.0	20.487	4.881	0.0	0.0	0.0	0
9.42	19.0	0.746	3.99	0.0	0.0	25.469	3.926	0.0	0.0	0.0	0
9.44	22.0	0.776	4.34	0.0	0.0	28.351	3.527	0.0	0.0	0.0	0
9.46	22.0	0.667	3.95	0.0	0.0	32.984	3.032	0.0	0.0	0.0	0
9.48	21.0	0.609	3.10	0.0	0.0	34.483	2.9	0.0	0.0	0.0	0
9.50	18.0	0.617	3.04	0.0	0.0	29.173	3.428	0.0	0.0	0.0	0
9.52	15.0	0.544	3.25	0.0	0.0	27.574	3.627	0.0	0.0	0.0	0
9.54	14.0	0.522	3.27	0.0	0.0	26.82	3.729	0.0	0.0	0.0	0
9.56	13.0	0.523	3.45	0.0	0.0	24.857	4.023	0.0	0.0	0.0	0
9.58	15.0	0.525	3.72	0.0	0.0	28.571	3.5	0.0	0.0	0.0	0
9.60	18.0	0.497	4.11	0.0	0.0	36.217	2.761	0.0	0.0	0.0	0
9.62	19.0	0.432	4.03	0.0	0.0	43.981	2.274	0.0	0.0	0.0	0
9.64	17.0	0.427	3.87	0.0	0.0	39.813	2.512	0.0	0.0	0.0	0
9.66	14.0	0.414	3.65	0.0	0.0	33.816	2.957	0.0	0.0	0.0	0
9.68	13.0	0.405	3.58	0.0	0.0	32.099	3.115	0.0	0.0	0.0	0
9.70	14.0	0.366	3.67	0.0	0.0	38.251	2.614	0.0	0.0	0.0	0
9.72	17.0	0.388	3.98	0.0	0.0	43.814	2.282	0.0	0.0	0.0	0
9.74	21.0	0.421	4.37	0.0	0.0	49.881	2.005	0.0	0.0	0.0	0
9.76	24.0	0.442	4.29	0.0	0.0	54.299	1.842	0.0	0.0	0.0	0
9.78	26.0	0.444	2.93	0.0	0.0	58.559	1.708	0.0	0.0	0.0	0
9.80	27.0	0.528	1.03	0.0	0.0	51.136	1.956	0.0	0.0	0.0	0
9.82	26.0	0.642	0.72	0.0	0.0	40.498	2.469	0.0	0.0	0.0	0
9.84	24.0	0.774	0.44	0.0	0.0	31.008	3.225	0.0	0.0	0.0	0
9.86	23.0	0.863	0.41	0.0	0.0	26.651	3.752	0.0	0.0	0.0	0
9.88	22.0	0.921	0.53	0.0	0.0	23.887	4.186	0.0	0.0	0.0	0
9.90	20.0	0.851	0.48	0.0	0.0	23.502	4.255	0.0	0.0	0.0	0
9.92	18.0	0.805	0.41	0.0	0.0	22.36	4.472	0.0	0.0	0.0	0
9.94	17.0	0.794	0.42	0.0	0.0	21.411	4.671	0.0	0.0	0.0	0
9.96	18.0	0.697	0.48	0.0	0.0	25.825	3.872	0.0	0.0	0.0	0
9.98	19.0	0.648	0.49	0.0	0.0	29.321	3.411	0.0	0.0	0.0	0
10.00	20.0	0.683	0.48	0.0	0.0	29.283	3.415	0.0	0.0	0.0	0
10.02	19.0	0.74	0.41	0.0	0.0	25.676	3.895	0.0	0.0	0.0	0
10.04	16.0	0.678	0.38	0.0	0.0	23.599	4.238	0.0	0.0	0.0	0
10.06	12.0	0.626	0.29	0.0	0.0	19.169	5.217	0.0	0.0	0.0	0
10.08	9.0	0.587	0.22	0.0	0.0	15.332	6.522	0.0	0.0	0.0	0
10.10	7.0	0.623	0.19	0.0	0.0	11.236	8.9	0.0	0.0	0.0	0
10.12	6.0	0.561	0.19	0.0	0.0	10.695	9.35	0.0	0.0	0.0	0
10.14	6.0	0.475	0.22	0.0	0.0	12.632	7.917	0.0	0.0	0.0	0
10.16	7.0	0.425	0.27	0.0	0.0	16.471	6.071	0.0	0.0	0.0	0
10.18	9.0	0.394	0.33	0.0	0.0	22.843	4.378	0.0	0.0	0.0	0
10.20	9.0	0.366	0.37	0.0	0.0	24.59	4.067	0.0	0.0	0.0	0
10.22	9.0	0.344	0.37	0.0	0.0	26.163	3.822	0.0	0.0	0.0	0
10.24	9.0	0.347	0.36	0.0	0.0	25.937	3.856	0.0	0.0	0.0	0
10.26	9.0	0.363	0.40	0.0	0.0	24.793	4.033	0.0	0.0	0.0	0

10.28	13.0	0.363	0.53	0.0	0.0	35.813	2.792	0.0	0.0	0.0	0
10.30	17.0	0.344	0.61	0.0	0.0	49.419	2.024	0.0	0.0	0.0	0
10.32	18.0	0.432	0.61	0.0	0.0	41.667	2.4	0.0	0.0	0.0	0
10.34	15.0	0.481	0.56	0.0	0.0	31.185	3.207	0.0	0.0	0.0	0
10.36	13.0	0.513	0.51	0.0	0.0	25.341	3.946	0.0	0.0	0.0	0
10.38	11.0	0.518	0.48	0.0	0.0	21.236	4.709	0.0	0.0	0.0	0
10.40	10.0	0.526	0.57	0.0	0.0	19.011	5.26	0.0	0.0	0.0	0
10.42	12.0	0.505	0.87	0.0	0.0	23.762	4.208	0.0	0.0	0.0	0
10.44	15.0	0.463	1.50	0.0	0.0	32.397	3.087	0.0	0.0	0.0	0
10.46	14.0	0.425	1.66	0.0	0.0	32.941	3.036	0.0	0.0	0.0	0
10.48	12.0	0.381	1.58	0.0	0.0	31.496	3.175	0.0	0.0	0.0	0
10.50	11.0	0.366	1.62	0.0	0.0	30.055	3.327	0.0	0.0	0.0	0
10.52	11.0	0.326	1.75	0.0	0.0	33.742	2.964	0.0	0.0	0.0	0
10.54	11.0	0.326	1.78	0.0	0.0	33.742	2.964	0.0	0.0	0.0	0
10.56	11.0	0.345	1.77	0.0	0.0	31.884	3.136	0.0	0.0	0.0	0
10.58	11.0	0.346	1.85	0.0	0.0	31.792	3.145	0.0	0.0	0.0	0
10.60	12.0	0.326	1.93	0.0	0.0	36.81	2.717	0.0	0.0	0.0	0
10.62	12.0	0.313	1.94	0.0	0.0	38.339	2.608	0.0	0.0	0.0	0
10.64	12.0	0.303	1.94	0.0	0.0	39.604	2.525	0.0	0.0	0.0	0
10.66	12.0	0.33	1.96	0.0	0.0	36.364	2.75	0.0	0.0	0.0	0
10.68	14.0	0.352	2.05	0.0	0.0	39.773	2.514	0.0	0.0	0.0	0
10.70	18.0	0.372	2.28	0.0	0.0	48.387	2.067	0.0	0.0	0.0	0
10.72	22.0	0.374	2.40	0.0	0.0	58.824	1.7	0.0	0.0	0.0	0
10.74	26.0	0.448	2.53	0.0	0.0	58.036	1.723	0.0	0.0	0.0	0
10.76	25.0	0.487	2.07	0.0	0.0	51.335	1.948	0.0	0.0	0.0	0
10.78	19.0	0.59	1.45	0.0	0.0	32.203	3.105	0.0	0.0	0.0	0
10.80	15.0	0.595	1.47	0.0	0.0	25.21	3.967	0.0	0.0	0.0	0
10.82	13.0	0.562	1.92	0.0	0.0	23.132	4.323	0.0	0.0	0.0	0
10.84	13.0	0.511	2.27	0.0	0.0	25.44	3.931	0.0	0.0	0.0	0
10.86	14.0	0.466	2.55	0.0	0.0	30.043	3.329	0.0	0.0	0.0	0
10.88	14.0	0.433	2.66	0.0	0.0	32.333	3.093	0.0	0.0	0.0	0
10.90	14.0	0.4	2.72	0.0	0.0	35.0	2.857	0.0	0.0	0.0	0
10.92	14.0	0.365	2.73	0.0	0.0	38.356	2.607	0.0	0.0	0.0	0
10.94	15.0	0.363	2.88	0.0	0.0	41.322	2.42	0.0	0.0	0.0	0
10.96	15.0	0.337	2.92	0.0	0.0	44.51	2.247	0.0	0.0	0.0	0
10.98	15.0	0.356	2.89	0.0	0.0	42.135	2.373	0.0	0.0	0.0	0
11.00	14.0	0.405	2.95	0.0	0.0	34.568	2.893	0.0	0.0	0.0	0
11.02	19.0	0.671	2.81	0.0	0.0	28.316	3.532	0.0	0.0	0.0	0
11.04	18.0	0.639	2.84	0.0	0.0	28.169	3.55	0.0	0.0	0.0	0
11.06	17.0	0.623	2.83	0.0	0.0	27.287	3.665	0.0	0.0	0.0	0
11.08	16.0	0.611	2.85	0.0	0.0	26.187	3.819	0.0	0.0	0.0	0
11.10	15.0	0.598	3.06	0.0	0.0	25.084	3.987	0.0	0.0	0.0	0
11.12	15.0	0.519	3.06	0.0	0.0	28.902	3.46	0.0	0.0	0.0	0
11.14	14.0	0.503	3.10	0.0	0.0	27.833	3.593	0.0	0.0	0.0	0
11.16	14.0	0.456	3.12	0.0	0.0	30.702	3.257	0.0	0.0	0.0	0
11.18	13.0	0.434	3.12	0.0	0.0	29.954	3.338	0.0	0.0	0.0	0
11.20	13.0	0.401	3.11	0.0	0.0	32.419	3.085	0.0	0.0	0.0	0
11.22	12.0	0.379	3.08	0.0	0.0	31.662	3.158	0.0	0.0	0.0	0
11.24	11.0	0.365	3.07	0.0	0.0	30.137	3.318	0.0	0.0	0.0	0
11.26	11.0	0.365	3.11	0.0	0.0	30.137	3.318	0.0	0.0	0.0	0
11.28	11.0	0.333	3.11	0.0	0.0	33.033	3.027	0.0	0.0	0.0	0
11.30	11.0	0.318	3.12	0.0	0.0	34.591	2.891	0.0	0.0	0.0	0
11.32	11.0	0.302	3.16	0.0	0.0	36.424	2.745	0.0	0.0	0.0	0
11.34	11.0	0.283	3.19	0.0	0.0	38.869	2.573	0.0	0.0	0.0	0
11.36	11.0	0.265	3.19	0.0	0.0	41.509	2.409	0.0	0.0	0.0	0
11.38	10.0	0.259	3.18	0.0	0.0	38.61	2.59	0.0	0.0	0.0	0
11.40	10.0	0.259	3.15	0.0	0.0	38.61	2.59	0.0	0.0	0.0	0
11.42	10.0	0.261	3.15	0.0	0.0	38.314	2.61	0.0	0.0	0.0	0
11.44	10.0	0.261	3.15	0.0	0.0	38.314	2.61	0.0	0.0	0.0	0
11.46	10.0	0.255	3.18	0.0	0.0	39.216	2.55	0.0	0.0	0.0	0
11.48	10.0	0.265	3.20	0.0	0.0	37.736	2.65	0.0	0.0	0.0	0
11.50	11.0	0.259	3.25	0.0	0.0	42.471	2.355	0.0	0.0	0.0	0
11.52	11.0	0.264	3.29	0.0	0.0	41.667	2.4	0.0	0.0	0.0	0
11.54	11.0	0.278	3.30	0.0	0.0	39.568	2.527	0.0	0.0	0.0	0
11.56	12.0	0.266	3.33	0.0	0.0	45.113	2.217	0.0	0.0	0.0	0
11.58	12.0	0.278	3.35	0.0	0.0	43.165	2.317	0.0	0.0	0.0	0
11.60	13.0	0.313	3.37	0.0	0.0	41.534	2.408	0.0	0.0	0.0	0
11.62	13.0	0.352	3.38	0.0	0.0	36.932	2.708	0.0	0.0	0.0	0
11.64	13.0	0.386	3.39	0.0	0.0	33.679	2.969	0.0	0.0	0.0	0
11.66	13.0	0.418	3.41	0.0	0.0	31.1	3.215	0.0	0.0	0.0	0

11.68	13.0	0.454	3.39	0.0	0.0	28.634	3.492	0.0	0.0	0.0	0
11.70	13.0	0.492	3.38	0.0	0.0	26.423	3.785	0.0	0.0	0.0	0
11.72	13.0	0.524	3.38	0.0	0.0	24.809	4.031	0.0	0.0	0.0	0
11.74	13.0	0.524	3.37	0.0	0.0	24.809	4.031	0.0	0.0	0.0	0
11.76	13.0	0.536	3.37	0.0	0.0	24.254	4.123	0.0	0.0	0.0	0
11.78	13.0	0.536	3.37	0.0	0.0	24.254	4.123	0.0	0.0	0.0	0
11.80	13.0	0.55	3.38	0.0	0.0	23.636	4.231	0.0	0.0	0.0	0
11.82	13.0	0.562	3.37	0.0	0.0	23.132	4.323	0.0	0.0	0.0	0
11.84	13.0	0.574	3.35	0.0	0.0	22.648	4.415	0.0	0.0	0.0	0
11.86	13.0	0.569	3.35	0.0	0.0	22.847	4.377	0.0	0.0	0.0	0
11.88	13.0	0.572	3.35	0.0	0.0	22.727	4.4	0.0	0.0	0.0	0
11.90	12.0	0.575	3.34	0.0	0.0	20.87	4.792	0.0	0.0	0.0	0
11.92	13.0	0.574	3.35	0.0	0.0	22.648	4.415	0.0	0.0	0.0	0
11.94	12.0	0.573	3.34	0.0	0.0	20.942	4.775	0.0	0.0	0.0	0
11.96	12.0	0.561	3.31	0.0	0.0	21.39	4.675	0.0	0.0	0.0	0
11.98	12.0	0.553	3.29	0.0	0.0	21.7	4.608	0.0	0.0	0.0	0
12.00	11.0	0.585	3.63	0.0	0.0	18.803	5.318	0.0	0.0	0.0	0
12.02	11.0	0.575	3.63	0.0	0.0	19.13	5.227	0.0	0.0	0.0	0
12.04	11.0	0.544	3.60	0.0	0.0	20.221	4.945	0.0	0.0	0.0	0
12.06	11.0	0.529	3.58	0.0	0.0	20.794	4.809	0.0	0.0	0.0	0
12.08	11.0	0.534	3.53	0.0	0.0	20.599	4.855	0.0	0.0	0.0	0
12.10	11.0	0.538	3.48	0.0	0.0	20.446	4.891	0.0	0.0	0.0	0
12.12	10.0	0.537	3.45	0.0	0.0	18.622	5.37	0.0	0.0	0.0	0
12.14	10.0	0.542	3.45	0.0	0.0	18.45	5.42	0.0	0.0	0.0	0
12.16	10.0	0.535	3.48	0.0	0.0	18.692	5.35	0.0	0.0	0.0	0
12.18	11.0	0.525	3.53	0.0	0.0	20.952	4.773	0.0	0.0	0.0	0
12.20	13.0	0.491	3.64	0.0	0.0	26.477	3.777	0.0	0.0	0.0	0
12.22	14.0	0.47	3.76	0.0	0.0	29.787	3.357	0.0	0.0	0.0	0
12.24	16.0	0.469	3.86	0.0	0.0	34.115	2.931	0.0	0.0	0.0	0
12.26	18.0	0.489	3.92	0.0	0.0	36.81	2.717	0.0	0.0	0.0	0
12.28	20.0	0.538	4.01	0.0	0.0	37.175	2.69	0.0	0.0	0.0	0
12.30	22.0	0.584	4.01	0.0	0.0	37.671	2.655	0.0	0.0	0.0	0
12.32	22.0	0.696	3.96	0.0	0.0	31.609	3.164	0.0	0.0	0.0	0
12.34	23.0	0.826	3.95	0.0	0.0	27.845	3.591	0.0	0.0	0.0	0
12.36	23.0	0.941	3.84	0.0	0.0	24.442	4.091	0.0	0.0	0.0	0
12.38	22.0	1.081	3.77	0.0	0.0	20.352	4.914	0.0	0.0	0.0	0
12.40	21.0	1.17	3.67	0.0	0.0	17.949	5.571	0.0	0.0	0.0	0
12.42	20.0	1.274	3.52	0.0	0.0	15.699	6.37	0.0	0.0	0.0	0
12.44	18.0	1.352	3.37	0.0	0.0	13.314	7.511	0.0	0.0	0.0	0
12.46	17.0	1.376	3.30	0.0	0.0	12.355	8.094	0.0	0.0	0.0	0
12.48	17.0	1.324	3.26	0.0	0.0	12.84	7.788	0.0	0.0	0.0	0
12.50	17.0	1.253	3.25	0.0	0.0	13.567	7.371	0.0	0.0	0.0	0
12.52	17.0	1.191	3.25	0.0	0.0	14.274	7.006	0.0	0.0	0.0	0
12.54	17.0	1.131	3.26	0.0	0.0	15.031	6.653	0.0	0.0	0.0	0
12.56	17.0	1.037	3.27	0.0	0.0	16.393	6.1	0.0	0.0	0.0	0
12.58	16.0	0.954	3.27	0.0	0.0	16.771	5.963	0.0	0.0	0.0	0
12.60	17.0	0.868	3.30	0.0	0.0	19.585	5.106	0.0	0.0	0.0	0
12.62	17.0	0.854	3.30	0.0	0.0	19.906	5.024	0.0	0.0	0.0	0
12.64	17.0	0.847	3.33	0.0	0.0	20.071	4.982	0.0	0.0	0.0	0
12.66	17.0	0.787	3.37	0.0	0.0	21.601	4.629	0.0	0.0	0.0	0
12.68	17.0	0.771	3.35	0.0	0.0	22.049	4.535	0.0	0.0	0.0	0
12.70	16.0	0.798	3.27	0.0	0.0	20.05	4.988	0.0	0.0	0.0	0
12.72	15.0	0.831	3.14	0.0	0.0	18.051	5.54	0.0	0.0	0.0	0
12.74	13.0	0.833	3.03	0.0	0.0	15.606	6.408	0.0	0.0	0.0	0
12.76	12.0	0.808	2.93	0.0	0.0	14.851	6.733	0.0	0.0	0.0	0
12.78	11.0	0.769	2.89	0.0	0.0	14.304	6.991	0.0	0.0	0.0	0
12.80	11.0	0.726	2.89	0.0	0.0	15.152	6.6	0.0	0.0	0.0	0
12.82	11.0	0.647	2.93	0.0	0.0	17.002	5.882	0.0	0.0	0.0	0
12.84	11.0	0.55	3.00	0.0	0.0	20.0	5.0	0.0	0.0	0.0	0
12.86	11.0	0.46	3.07	0.0	0.0	23.913	4.182	0.0	0.0	0.0	0
12.88	11.0	0.377	3.16	0.0	0.0	29.178	3.427	0.0	0.0	0.0	0
12.90	11.0	0.304	3.29	0.0	0.0	36.184	2.764	0.0	0.0	0.0	0
12.92	11.0	0.247	3.41	0.0	0.0	44.534	2.245	0.0	0.0	0.0	0
12.94	11.0	0.21	3.48	0.0	0.0	52.381	1.909	0.0	0.0	0.0	0
12.96	11.0	0.206	3.53	0.0	0.0	53.398	1.873	0.0	0.0	0.0	0
12.98	15.0	0.302	3.03	0.0	0.0	49.669	2.013	0.0	0.0	0.0	0
13.00	14.0	0.332	3.12	0.0	0.0	42.169	2.371	0.0	0.0	0.0	0
13.02	13.0	0.32	3.57	0.0	0.0	40.625	2.462	0.0	0.0	0.0	0
13.04	13.0	0.28	3.86	0.0	0.0	46.429	2.154	0.0	0.0	0.0	0
13.06	13.0	0.274	3.84	0.0	0.0	47.445	2.108	0.0	0.0	0.0	0

13.08	12.0	0.278	3.90	0.0	0.0	43.165	2.317	0.0	0.0	0.0	0
13.10	13.0	0.264	4.09	0.0	0.0	49.242	2.031	0.0	0.0	0.0	0
13.12	13.0	0.246	4.14	0.0	0.0	52.846	1.892	0.0	0.0	0.0	0
13.14	13.0	0.242	4.20	0.0	0.0	53.719	1.862	0.0	0.0	0.0	0
13.16	13.0	0.238	4.26	0.0	0.0	54.622	1.831	0.0	0.0	0.0	0
13.18	13.0	0.25	4.33	0.0	0.0	52.0	1.923	0.0	0.0	0.0	0
13.20	14.0	0.26	4.37	0.0	0.0	53.846	1.857	0.0	0.0	0.0	0
13.22	14.0	0.266	4.48	0.0	0.0	52.632	1.9	0.0	0.0	0.0	0
13.24	15.0	0.27	4.51	0.0	0.0	55.556	1.8	0.0	0.0	0.0	0
13.26	15.0	0.286	4.52	0.0	0.0	52.448	1.907	0.0	0.0	0.0	0
13.28	16.0	0.285	4.53	0.0	0.0	56.14	1.781	0.0	0.0	0.0	0
13.30	16.0	0.314	4.52	0.0	0.0	50.955	1.963	0.0	0.0	0.0	0
13.32	17.0	0.352	4.52	0.0	0.0	48.295	2.071	0.0	0.0	0.0	0
13.34	17.0	0.428	4.52	0.0	0.0	39.72	2.518	0.0	0.0	0.0	0
13.36	17.0	0.489	4.53	0.0	0.0	34.765	2.876	0.0	0.0	0.0	0
13.38	17.0	0.572	4.53	0.0	0.0	29.72	3.365	0.0	0.0	0.0	0
13.40	18.0	0.643	4.53	0.0	0.0	27.994	3.572	0.0	0.0	0.0	0
13.42	18.0	0.738	4.55	0.0	0.0	24.39	4.1	0.0	0.0	0.0	0
13.44	19.0	0.812	4.58	0.0	0.0	23.399	4.274	0.0	0.0	0.0	0
13.46	19.0	0.858	4.55	0.0	0.0	22.145	4.516	0.0	0.0	0.0	0
13.48	19.0	0.873	4.55	0.0	0.0	21.764	4.595	0.0	0.0	0.0	0
13.50	18.0	0.887	4.45	0.0	0.0	20.293	4.928	0.0	0.0	0.0	0
13.52	18.0	0.885	4.33	0.0	0.0	20.339	4.917	0.0	0.0	0.0	0
13.54	18.0	0.85	4.33	0.0	0.0	21.176	4.722	0.0	0.0	0.0	0
13.56	18.0	0.844	4.30	0.0	0.0	21.327	4.689	0.0	0.0	0.0	0
13.58	18.0	0.832	4.28	0.0	0.0	21.635	4.622	0.0	0.0	0.0	0
13.60	18.0	0.818	4.24	0.0	0.0	22.005	4.544	0.0	0.0	0.0	0
13.62	17.0	0.829	4.21	0.0	0.0	20.507	4.876	0.0	0.0	0.0	0
13.64	17.0	0.835	4.20	0.0	0.0	20.359	4.912	0.0	0.0	0.0	0
13.66	18.0	0.818	4.26	0.0	0.0	22.005	4.544	0.0	0.0	0.0	0
13.68	18.0	0.838	4.24	0.0	0.0	21.48	4.656	0.0	0.0	0.0	0
13.70	17.0	0.831	4.21	0.0	0.0	20.457	4.888	0.0	0.0	0.0	0
13.72	17.0	0.847	4.15	0.0	0.0	20.071	4.982	0.0	0.0	0.0	0
13.74	17.0	0.829	4.15	0.0	0.0	20.507	4.876	0.0	0.0	0.0	0
13.76	17.0	0.804	4.13	0.0	0.0	21.144	4.729	0.0	0.0	0.0	0
13.78	16.0	0.8	4.13	0.0	0.0	20.0	5.0	0.0	0.0	0.0	0
13.80	16.0	0.807	4.13	0.0	0.0	19.827	5.044	0.0	0.0	0.0	0
13.82	16.0	0.783	4.10	0.0	0.0	20.434	4.894	0.0	0.0	0.0	0
13.84	16.0	0.733	4.11	0.0	0.0	21.828	4.581	0.0	0.0	0.0	0
13.86	16.0	0.703	4.13	0.0	0.0	22.76	4.394	0.0	0.0	0.0	0
13.88	16.0	0.722	4.11	0.0	0.0	22.161	4.513	0.0	0.0	0.0	0
13.90	16.0	0.697	4.14	0.0	0.0	22.956	4.356	0.0	0.0	0.0	0
13.92	17.0	0.675	4.18	0.0	0.0	25.185	3.971	0.0	0.0	0.0	0
13.94	17.0	0.69	4.18	0.0	0.0	24.638	4.059	0.0	0.0	0.0	0
13.96	18.0	0.743	4.64	0.0	0.0	24.226	4.128	0.0	0.0	0.0	0
13.98	18.0	0.763	4.60	0.0	0.0	23.591	4.239	0.0	0.0	0.0	0
14.00	18.0	0.764	4.58	0.0	0.0	23.56	4.244	0.0	0.0	0.0	0
14.02	18.0	0.78	4.52	0.0	0.0	23.077	4.333	0.0	0.0	0.0	0
14.04	17.0	0.836	4.45	0.0	0.0	20.335	4.918	0.0	0.0	0.0	0
14.06	17.0	0.873	4.40	0.0	0.0	19.473	5.135	0.0	0.0	0.0	0
14.08	16.0	0.906	4.36	0.0	0.0	17.66	5.663	0.0	0.0	0.0	0
14.10	16.0	0.931	4.34	0.0	0.0	17.186	5.819	0.0	0.0	0.0	0
14.12	16.0	0.97	4.33	0.0	0.0	16.495	6.063	0.0	0.0	0.0	0
14.14	16.0	0.991	4.34	0.0	0.0	16.145	6.194	0.0	0.0	0.0	0
14.16	16.0	0.977	4.39	0.0	0.0	16.377	6.106	0.0	0.0	0.0	0
14.18	17.0	0.925	4.41	0.0	0.0	18.378	5.441	0.0	0.0	0.0	0
14.20	17.0	0.917	4.40	0.0	0.0	18.539	5.394	0.0	0.0	0.0	0
14.22	17.0	0.922	4.40	0.0	0.0	18.438	5.424	0.0	0.0	0.0	0
14.24	17.0	0.916	4.41	0.0	0.0	18.559	5.388	0.0	0.0	0.0	0
14.26	17.0	0.911	4.40	0.0	0.0	18.661	5.359	0.0	0.0	0.0	0
14.28	16.0	0.918	4.41	0.0	0.0	17.429	5.738	0.0	0.0	0.0	0
14.30	17.0	0.934	4.43	0.0	0.0	18.201	5.494	0.0	0.0	0.0	0
14.32	17.0	0.976	4.45	0.0	0.0	17.418	5.741	0.0	0.0	0.0	0
14.34	18.0	0.971	4.48	0.0	0.0	18.538	5.394	0.0	0.0	0.0	0
14.36	18.0	0.964	4.47	0.0	0.0	18.672	5.356	0.0	0.0	0.0	0
14.38	18.0	0.958	4.44	0.0	0.0	18.789	5.322	0.0	0.0	0.0	0
14.40	17.0	0.966	4.36	0.0	0.0	17.598	5.682	0.0	0.0	0.0	0
14.42	17.0	0.969	4.33	0.0	0.0	17.544	5.7	0.0	0.0	0.0	0
14.44	17.0	0.925	4.32	0.0	0.0	18.378	5.441	0.0	0.0	0.0	0
14.46	17.0	0.917	4.29	0.0	0.0	18.539	5.394	0.0	0.0	0.0	0

14.48	17.0	0.937	4.29	0.0	0.0	18.143	5.512	0.0	0.0	0.0	0
14.50	17.0	0.898	4.32	0.0	0.0	18.931	5.282	0.0	0.0	0.0	0
14.52	18.0	0.851	4.34	0.0	0.0	21.152	4.728	0.0	0.0	0.0	0
14.54	18.0	0.83	4.34	0.0	0.0	21.687	4.611	0.0	0.0	0.0	0
14.56	18.0	0.867	4.34	0.0	0.0	20.761	4.817	0.0	0.0	0.0	0
14.58	18.0	0.886	4.37	0.0	0.0	20.316	4.922	0.0	0.0	0.0	0
14.60	18.0	0.913	4.34	0.0	0.0	19.715	5.072	0.0	0.0	0.0	0
14.62	18.0	0.974	4.32	0.0	0.0	18.48	5.411	0.0	0.0	0.0	0
14.64	17.0	1.039	4.29	0.0	0.0	16.362	6.112	0.0	0.0	0.0	0
14.66	17.0	1.076	4.32	0.0	0.0	15.799	6.329	0.0	0.0	0.0	0
14.68	17.0	1.063	4.29	0.0	0.0	15.992	6.253	0.0	0.0	0.0	0
14.70	17.0	1.056	4.24	0.0	0.0	16.098	6.212	0.0	0.0	0.0	0
14.72	16.0	1.032	4.20	0.0	0.0	15.504	6.45	0.0	0.0	0.0	0
14.74	15.0	0.988	4.15	0.0	0.0	15.182	6.587	0.0	0.0	0.0	0
14.76	15.0	0.934	4.17	0.0	0.0	16.06	6.227	0.0	0.0	0.0	0
14.78	15.0	0.886	4.15	0.0	0.0	16.93	5.907	0.0	0.0	0.0	0
14.80	15.0	0.874	4.13	0.0	0.0	17.162	5.827	0.0	0.0	0.0	0
14.82	14.0	0.847	4.10	0.0	0.0	16.529	6.05	0.0	0.0	0.0	0
14.84	14.0	0.808	4.07	0.0	0.0	17.327	5.771	0.0	0.0	0.0	0
14.86	14.0	0.757	4.11	0.0	0.0	18.494	5.407	0.0	0.0	0.0	0
14.88	14.0	0.736	4.10	0.0	0.0	19.022	5.257	0.0	0.0	0.0	0
14.90	14.0	0.73	4.11	0.0	0.0	19.178	5.214	0.0	0.0	0.0	0
14.92	14.0	0.687	4.10	0.0	0.0	20.378	4.907	0.0	0.0	0.0	0
14.94	14.0	0.706	4.75	0.0	0.0	19.83	5.043	0.0	0.0	0.0	0
14.96	14.0	0.708	4.77	0.0	0.0	19.774	5.057	0.0	0.0	0.0	0
14.98	14.0	0.712	4.77	0.0	0.0	19.663	5.086	0.0	0.0	0.0	0
15.00	15.0	0.667	4.78	0.0	0.0	22.489	4.447	0.0	0.0	0.0	0

NATURA LITOLOGICA (Robertson 1986)

Profondità (m)	Litologia: Robertson 1986
0.02	Stima non eseguibile
0.04	Stima non eseguibile
0.06	Limi argillosi e Argille limose
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0.92	Limi argillosi e Argille limose
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13.70	Argille
13.72	Argille
13.74	Argille
13.76	Argille
13.78	Argille
13.80	Argille
13.82	Argille
13.84	Argille
13.86	Argille
13.88	Argille
13.90	Argille
13.92	Argille limose - Argille
13.94	Argille limose - Argille
13.96	Argille limose - Argille
13.98	Argille
14.00	Argille
14.02	Argille
14.04	Argille
14.06	Argille
14.08	Argille
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14.12	Argille
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14.48	Argille
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14.86	Argille
14.88	Argille
14.90	Argille
14.92	Argille
14.94	Argille
14.96	Argille
14.98	Argille
15.00	Argille

STIMA PARAMETRI GEOTECNICI

Nr:	Numero progressivo strato
Prof:	Profondità strato (m)
Tipo:	C: Coesivo. I: Incoerente. CI: Coesivo-Incoerente
Cu:	Coesione non drenata (Kg/cm ²)
Eu:	Modulo di defomazione non drenato (Kg/cm ²)
Mo:	Modulo Edometrico (Kg/cm ²)
G:	Modulo di defomazione a taglio (Kg/cm ²)
OCR:	Grado di sovraconsolidazione
Puv:	Peso unità di volume (t/m ³)
PuvS:	Peso unità di volume saturo (t/m ³)
Dr:	Densità relativa (%)
Fi:	Angolo di resistenza al taglio (°)
Ey:	Modulo di Young (Kg/cm ²)
Vs:	Velocità onde di taglio (m/s)

Nr.	Prof.	Tipo	Cu	Eu	Mo	G	OCR	Puv	PuvS	Dr	Fi	Ey	Vs
1	0.04												
2	0.06	C	1.2	862.4	46.0	190.2	>9	2.0	2.1	--	--	--	93.87
3	0.84	C	0.9	658.5	46.4	161.7	>9	2.0	2.0	--	--	--	161.77
4	0.94	C	2.1	1546.1	82.8	272.4	>9	2.1	2.2	--	--	--	212.16
5	1.10	C	2.6	1905.1	102.0	309.4	>9	2.1	2.2	--	--	--	225.61
6	1.36	C	3.0	2226.4	119.2	340.3	>9	2.2	2.2	--	--	--	239.85
7	4.88	C	1.0	723.0	42.4	173.8	>9	2.0	2.0	--	--	--	224.62
8	4.92	C	0.7	459.8	47.8	134.2	3.1	1.9	2.0	--	--	--	217.40
9	4.94	C	0.7	459.7	47.8	134.2	3.5	1.9	2.0	--	--	--	217.53
10	5.08	C	0.8	604.0	47.3	157.3	4.4	1.9	2.0	--	--	--	228.35
11	7.96	C	0.7	485.0	48.3	139.4	6.7	1.9	2.0	--	--	--	226.84
12	8.02	C	0.7	485.8	48.3	140.4	2.6	1.9	2.0	--	--	--	232.88
13	8.52	C	0.6	376.8	45.6	122.0	3.3	1.9	1.9	--	--	--	224.22
14	8.62	C	0.6	401.3	46.6	126.5	1.7	1.9	1.9	--	--	--	227.54
15	8.64	C	0.0	-41.3	0.0	0.0	<0.5	0.0	0.0	--	--	--	0.00
16	9.34	C	0.8	588.8	47.4	157.2	2.5	1.9	2.0	--	--	--	243.84
17	9.44	C	0.9	653.7	44.9	167.0	4.5	1.9	2.0	--	--	--	249.54
18	9.48	C	1.1	762.1	43.0	182.5	3.8	2.0	2.1	--	--	--	256.42
19	9.58	C	0.8	518.1	48.4	146.5	3.2	1.9	2.0	--	--	--	240.45
20	9.66	C	0.9	592.8	47.2	158.1	2.6	1.9	2.0	--	--	--	246.23
21	9.68	C	0.0	-44.8	0.0	0.0	<0.5	0.0	0.0	--	--	--	0.00
22	9.84	C	1.1	755.0	42.7	181.6	2.9	2.0	2.1	--	--	--	256.89
23	10.26	C	0.7	461.0	48.1	137.5	3.5	1.9	2.0	--	--	--	237.45
24	10.32	C	0.8	553.0	48.0	152.4	2.1	1.9	2.0	--	--	--	245.53
25	10.60	C	0.6	405.1	46.9	128.3	2.3	1.9	1.9	--	--	--	233.78
26	10.64	C	0.6	401.9	46.8	127.8	1.6	1.9	1.9	--	--	--	233.95
27	10.66	C	0.6	401.8	46.8	127.8	1.8	1.9	1.9	--	--	--	234.03
28	10.78	C	1.0	726.5	41.3	178.2	2.4	2.0	2.0	--	--	--	258.44
29	10.88	C	0.7	468.6	48.3	139.2	2.8	1.9	2.0	--	--	--	240.54
30	11.00	C	0.7	494.5	48.4	143.5	2.0	1.9	2.0	--	--	--	242.99
31	11.34	C	0.7	461.8	48.2	138.3	2.4	1.9	2.0	--	--	--	240.94
32	11.36	C	0.6	361.9	45.4	121.2	1.3	1.9	1.9	--	--	--	232.17
33	11.48	C	0.5	324.2	43.5	114.3	1.3	1.8	1.9	--	--	--	228.35
34	11.52	C	0.6	361.4	45.4	121.2	1.3	1.9	1.9	--	--	--	232.50
35	11.54	C	0.6	361.3	45.4	121.2	1.4	1.9	1.9	--	--	--	232.58
36	11.62	C	0.6	417.4	47.4	131.0	1.5	1.9	2.0	--	--	--	238.14
37	12.22	C	0.6	402.4	47.0	128.7	2.6	1.9	1.9	--	--	--	237.78
38	12.32	C	1.0	681.1	42.9	172.5	2.7	2.0	2.0	--	--	--	260.37

39	12.90	C	0.8	543.5	48.0	152.2	4.3	1.9	2.0	--	--	--	251.82
40	13.36	C	0.7	463.1	48.3	139.6	1.3	1.9	2.0	--	--	--	246.79
41	15.00	C	0.8	566.5	47.5	156.6	3.7	1.9	2.0	--	--	--	257.98

PROVA ... CPTU N°7

Committente: Comune di San Giovanni Persiceto

Strumento utilizzato: PAGANI 200 kN (CPTU)

Prova eseguita in data: 05/11/2017

Profondità prova: 15.00 mt

Località: S. Giovanni Persiceto

RESISTENZE / LITOLOGIE

Profondità	
qc	Resistenza punta (Kg/cm ²);
fs	Resistenza laterale (Kg/cm ²);
Tilt	Inclinazione (°)
Temp	Temperatura (°)
Fr	fs/qcx100 (Schmertmann)
qcn	qc normalizzata (Kg/cm ²);
fsn	fs normalizzato (Kg/cm ²);
U2	Pressione neutrale intorno al cono (Kg/cm ²);
Uo	Pressione neutrale rilevata (Kg/cm ²);
Fc	Contenuto in materiale fine(%)

Profondità	qc	fs	U2	Tilt	Temp	qc/fs	Fr	Uo	qcn	fsn	FC%
0.02	7.0	0.101	0.03	0.0	0.0	69.307	1.443	0.0	0.0	0.0	0
0.04	8.0	0.173	0.02	0.0	0.0	46.243	2.163	0.0	0.0	0.0	0
0.06	8.0	0.223	0.00	0.0	0.0	35.874	2.788	0.0	0.0	0.0	0
0.08	8.0	0.286	-0.01	0.0	0.0	27.972	3.575	0.0	0.0	0.0	0
0.10	8.0	0.347	-0.04	0.0	0.0	23.055	4.338	0.0	0.0	0.0	0
0.12	8.0	0.388	-0.05	0.0	0.0	20.619	4.85	0.0	0.0	0.0	0
0.14	8.0	0.41	-0.07	0.0	0.0	19.512	5.125	0.0	0.0	0.0	0
0.16	9.0	0.432	-0.08	0.0	0.0	20.833	4.8	0.0	0.0	0.0	0
0.18	9.0	0.447	-0.09	0.0	0.0	20.134	4.967	0.0	0.0	0.0	0
0.20	9.0	0.445	-0.11	0.0	0.0	20.225	4.944	0.0	0.0	0.0	0
0.22	9.0	0.44	-0.12	0.0	0.0	20.455	4.889	0.0	0.0	0.0	0
0.24	9.0	0.422	-0.13	0.0	0.0	21.327	4.689	0.0	0.0	0.0	0
0.26	9.0	0.402	-0.15	0.0	0.0	22.388	4.467	0.0	0.0	0.0	0
0.28	11.0	0.387	-0.34	0.0	0.0	28.424	3.518	0.0	0.0	0.0	0
0.30	18.0	0.401	-0.30	0.0	0.0	44.888	2.228	0.0	0.0	0.0	0
0.32	31.0	0.36	-0.26	0.0	0.0	86.111	1.161	0.0	0.0	0.0	0
0.34	35.0	0.298	-0.24	0.0	0.0	117.45	0.851	0.0	0.0	0.0	0
0.36	32.0	0.32	-0.27	0.0	0.0	100.0	1.0	0.0	0.0	0.0	0
0.38	21.0	0.431	-0.27	0.0	0.0	48.724	2.052	0.0	0.0	0.0	0
0.40	14.0	0.556	-0.24	0.0	0.0	25.18	3.971	0.0	0.0	0.0	0
0.42	15.0	0.675	-0.24	0.0	0.0	22.222	4.5	0.0	0.0	0.0	0
0.44	13.0	0.746	-0.26	0.0	0.0	17.426	5.738	0.0	0.0	0.0	0
0.46	12.0	0.809	-0.26	0.0	0.0	14.833	6.742	0.0	0.0	0.0	0
0.48	13.0	0.84	-0.27	0.0	0.0	15.476	6.462	0.0	0.0	0.0	0
0.50	19.0	0.735	-0.24	0.0	0.0	25.85	3.868	0.0	0.0	0.0	0
0.52	17.0	0.546	-0.26	0.0	0.0	31.136	3.212	0.0	0.0	0.0	0
0.54	20.0	0.478	-0.26	0.0	0.0	41.841	2.39	0.0	0.0	0.0	0
0.56	15.0	0.47	-0.27	0.0	0.0	31.915	3.133	0.0	0.0	0.0	0
0.58	15.0	0.506	-0.28	0.0	0.0	29.644	3.373	0.0	0.0	0.0	0
0.60	17.0	0.49	-0.23	0.0	0.0	34.694	2.882	0.0	0.0	0.0	0
0.62	16.0	0.497	-0.23	0.0	0.0	32.193	3.106	0.0	0.0	0.0	0
0.64	16.0	0.532	-0.21	0.0	0.0	30.075	3.325	0.0	0.0	0.0	0
0.66	17.0	0.521	-0.20	0.0	0.0	32.63	3.065	0.0	0.0	0.0	0
0.68	18.0	0.591	-0.21	0.0	0.0	30.457	3.283	0.0	0.0	0.0	0
0.70	18.0	0.614	-0.21	0.0	0.0	29.316	3.411	0.0	0.0	0.0	0
0.72	19.0	0.638	-0.20	0.0	0.0	29.781	3.358	0.0	0.0	0.0	0
0.74	21.0	0.681	-0.20	0.0	0.0	30.837	3.243	0.0	0.0	0.0	0
0.76	26.0	0.701	-0.15	0.0	0.0	37.09	2.696	0.0	0.0	0.0	0
0.78	31.0	0.766	-0.02	0.0	0.0	40.47	2.471	0.0	0.0	0.0	0
0.80	37.0	0.768	0.04	0.0	0.0	48.177	2.076	0.0	0.0	0.0	0
0.82	43.0	0.774	0.07	0.0	0.0	55.556	1.8	0.0	0.0	0.0	0

0.84	48.0	0.756	0.10	0.0	0.0	63.492	1.575	0.0	0.0	0.0	0
0.86	51.0	0.823	0.11	0.0	0.0	61.968	1.614	0.0	0.0	0.0	0
0.88	55.0	0.846	0.15	0.0	0.0	65.012	1.538	0.0	0.0	0.0	0
0.90	58.0	0.872	0.17	0.0	0.0	66.514	1.503	0.0	0.0	0.0	0
0.92	57.0	0.926	0.19	0.0	0.0	61.555	1.625	0.0	0.0	0.0	0
0.94	56.0	1.038	0.19	0.0	0.0	53.95	1.854	0.0	0.0	0.0	0
0.96	55.0	1.116	0.19	0.0	0.0	49.283	2.029	0.0	0.0	0.0	0
0.98	54.0	1.201	0.21	0.0	0.0	44.963	2.224	0.0	0.0	0.0	0
1.00	50.0	1.28	0.21	0.0	0.0	39.063	2.56	0.0	0.0	0.0	0
1.02	46.0	1.337	0.19	0.0	0.0	34.405	2.907	0.0	0.0	0.0	0
1.04	46.0	1.311	0.21	0.0	0.0	35.088	2.85	0.0	0.0	0.0	0
1.06	48.0	1.268	0.22	0.0	0.0	37.855	2.642	0.0	0.0	0.0	0
1.08	50.0	1.257	0.26	0.0	0.0	39.777	2.514	0.0	0.0	0.0	0
1.10	51.0	1.23	0.27	0.0	0.0	41.463	2.412	0.0	0.0	0.0	0
1.12	51.0	1.17	0.29	0.0	0.0	43.59	2.294	0.0	0.0	0.0	0
1.14	51.0	1.163	0.30	0.0	0.0	43.852	2.28	0.0	0.0	0.0	0
1.16	51.0	1.249	0.32	0.0	0.0	40.833	2.449	0.0	0.0	0.0	0
1.18	50.0	1.349	0.32	0.0	0.0	37.064	2.698	0.0	0.0	0.0	0
1.20	48.0	1.348	0.33	0.0	0.0	35.608	2.808	0.0	0.0	0.0	0
1.22	49.0	1.406	0.36	0.0	0.0	34.851	2.869	0.0	0.0	0.0	0
1.24	53.0	1.202	0.60	0.0	0.0	44.093	2.268	0.0	0.0	0.0	0
1.26	54.0	1.12	0.61	0.0	0.0	48.214	2.074	0.0	0.0	0.0	0
1.28	55.0	1.03	0.61	0.0	0.0	53.398	1.873	0.0	0.0	0.0	0
1.30	55.0	0.967	0.63	0.0	0.0	56.877	1.758	0.0	0.0	0.0	0
1.32	55.0	0.941	0.64	0.0	0.0	58.448	1.711	0.0	0.0	0.0	0
1.34	56.0	0.932	0.65	0.0	0.0	60.086	1.664	0.0	0.0	0.0	0
1.36	57.0	1.014	0.67	0.0	0.0	56.213	1.779	0.0	0.0	0.0	0
1.38	58.0	1.151	0.68	0.0	0.0	50.391	1.984	0.0	0.0	0.0	0
1.40	57.0	1.292	0.61	0.0	0.0	44.118	2.267	0.0	0.0	0.0	0
1.42	57.0	1.423	0.60	0.0	0.0	40.056	2.496	0.0	0.0	0.0	0
1.44	56.0	1.534	0.60	0.0	0.0	36.506	2.739	0.0	0.0	0.0	0
1.46	54.0	1.577	0.60	0.0	0.0	34.242	2.92	0.0	0.0	0.0	0
1.48	53.0	1.557	0.61	0.0	0.0	34.04	2.938	0.0	0.0	0.0	0
1.50	51.0	1.496	0.61	0.0	0.0	34.091	2.933	0.0	0.0	0.0	0
1.52	48.0	1.453	0.60	0.0	0.0	33.035	3.027	0.0	0.0	0.0	0
1.54	45.0	1.382	0.60	0.0	0.0	32.562	3.071	0.0	0.0	0.0	0
1.56	43.0	1.377	0.59	0.0	0.0	31.227	3.202	0.0	0.0	0.0	0
1.58	41.0	1.396	0.59	0.0	0.0	29.37	3.405	0.0	0.0	0.0	0
1.60	39.0	1.466	0.57	0.0	0.0	26.603	3.759	0.0	0.0	0.0	0
1.62	38.0	1.587	0.57	0.0	0.0	23.945	4.176	0.0	0.0	0.0	0
1.64	37.0	1.697	0.57	0.0	0.0	21.803	4.586	0.0	0.0	0.0	0
1.66	36.0	1.754	0.57	0.0	0.0	20.525	4.872	0.0	0.0	0.0	0
1.68	35.0	1.809	0.56	0.0	0.0	19.348	5.169	0.0	0.0	0.0	0
1.70	34.0	1.824	0.55	0.0	0.0	18.64	5.365	0.0	0.0	0.0	0
1.72	34.0	1.851	0.55	0.0	0.0	18.368	5.444	0.0	0.0	0.0	0
1.74	33.0	1.821	0.55	0.0	0.0	18.122	5.518	0.0	0.0	0.0	0
1.76	33.0	1.731	0.56	0.0	0.0	19.064	5.245	0.0	0.0	0.0	0
1.78	31.0	1.618	0.55	0.0	0.0	19.159	5.219	0.0	0.0	0.0	0
1.80	28.0	1.492	0.52	0.0	0.0	18.767	5.329	0.0	0.0	0.0	0
1.82	26.0	1.439	0.52	0.0	0.0	18.068	5.535	0.0	0.0	0.0	0
1.84	24.0	1.384	0.52	0.0	0.0	17.341	5.767	0.0	0.0	0.0	0
1.86	23.0	1.33	0.52	0.0	0.0	17.293	5.783	0.0	0.0	0.0	0
1.88	24.0	1.273	0.52	0.0	0.0	18.853	5.304	0.0	0.0	0.0	0
1.90	23.0	1.232	0.53	0.0	0.0	18.669	5.357	0.0	0.0	0.0	0
1.92	22.0	1.213	0.53	0.0	0.0	18.137	5.514	0.0	0.0	0.0	0
1.94	21.0	1.151	0.52	0.0	0.0	18.245	5.481	0.0	0.0	0.0	0
1.96	20.0	1.076	0.52	0.0	0.0	18.587	5.38	0.0	0.0	0.0	0
1.98	19.0	1.047	0.52	0.0	0.0	18.147	5.511	0.0	0.0	0.0	0
2.00	18.0	1.021	0.51	0.0	0.0	17.63	5.672	0.0	0.0	0.0	0
2.02	18.0	0.974	0.51	0.0	0.0	18.48	5.411	0.0	0.0	0.0	0
2.04	18.0	0.942	0.51	0.0	0.0	19.108	5.233	0.0	0.0	0.0	0
2.06	18.0	0.928	0.51	0.0	0.0	19.397	5.156	0.0	0.0	0.0	0
2.08	18.0	0.886	0.51	0.0	0.0	20.316	4.922	0.0	0.0	0.0	0
2.10	19.0	0.849	0.51	0.0	0.0	22.379	4.468	0.0	0.0	0.0	0
2.12	20.0	0.819	0.51	0.0	0.0	24.42	4.095	0.0	0.0	0.0	0
2.14	20.0	0.808	0.51	0.0	0.0	24.752	4.04	0.0	0.0	0.0	0
2.16	20.0	0.795	0.51	0.0	0.0	25.157	3.975	0.0	0.0	0.0	0
2.18	19.0	0.792	0.48	0.0	0.0	23.99	4.168	0.0	0.0	0.0	0
2.20	11.0	0.272	0.42	0.0	0.0	40.441	2.473	0.0	0.0	0.0	0
2.22	15.0	0.75	0.45	0.0	0.0	20.0	5.0	0.0	0.0	0.0	0

2.24	17.0	0.738	0.48	0.0	0.0	23.035	4.341	0.0	0.0	0.0	0
2.26	18.0	0.702	0.49	0.0	0.0	25.641	3.9	0.0	0.0	0.0	0
2.28	18.0	0.66	0.48	0.0	0.0	27.273	3.667	0.0	0.0	0.0	0
2.30	17.0	0.63	0.45	0.0	0.0	26.984	3.706	0.0	0.0	0.0	0
2.32	15.0	0.641	0.44	0.0	0.0	23.401	4.273	0.0	0.0	0.0	0
2.34	15.0	0.654	0.42	0.0	0.0	22.936	4.36	0.0	0.0	0.0	0
2.36	14.0	0.657	0.42	0.0	0.0	21.309	4.693	0.0	0.0	0.0	0
2.38	13.0	0.641	0.42	0.0	0.0	20.281	4.931	0.0	0.0	0.0	0
2.40	13.0	0.623	0.41	0.0	0.0	20.867	4.792	0.0	0.0	0.0	0
2.42	12.0	0.612	0.41	0.0	0.0	19.608	5.1	0.0	0.0	0.0	0
2.44	11.0	0.577	0.40	0.0	0.0	19.064	5.245	0.0	0.0	0.0	0
2.46	11.0	0.522	0.41	0.0	0.0	21.073	4.745	0.0	0.0	0.0	0
2.48	11.0	0.481	0.42	0.0	0.0	22.869	4.373	0.0	0.0	0.0	0
2.50	12.0	0.452	0.44	0.0	0.0	26.549	3.767	0.0	0.0	0.0	0
2.52	11.0	0.438	0.44	0.0	0.0	25.114	3.982	0.0	0.0	0.0	0
2.54	11.0	0.433	0.42	0.0	0.0	25.404	3.936	0.0	0.0	0.0	0
2.56	10.0	0.431	0.42	0.0	0.0	23.202	4.31	0.0	0.0	0.0	0
2.58	10.0	0.432	0.42	0.0	0.0	23.148	4.32	0.0	0.0	0.0	0
2.60	10.0	0.438	0.42	0.0	0.0	22.831	4.38	0.0	0.0	0.0	0
2.62	11.0	0.454	0.44	0.0	0.0	24.229	4.127	0.0	0.0	0.0	0
2.64	12.0	0.432	0.46	0.0	0.0	27.778	3.6	0.0	0.0	0.0	0
2.66	12.0	0.413	0.46	0.0	0.0	29.056	3.442	0.0	0.0	0.0	0
2.68	10.0	0.397	0.42	0.0	0.0	25.189	3.97	0.0	0.0	0.0	0
2.70	10.0	0.408	0.41	0.0	0.0	24.51	4.08	0.0	0.0	0.0	0
2.72	10.0	0.403	0.44	0.0	0.0	24.814	4.03	0.0	0.0	0.0	0
2.74	11.0	0.376	0.46	0.0	0.0	29.255	3.418	0.0	0.0	0.0	0
2.76	11.0	0.344	0.46	0.0	0.0	31.977	3.127	0.0	0.0	0.0	0
2.78	11.0	0.327	0.46	0.0	0.0	33.639	2.973	0.0	0.0	0.0	0
2.80	10.0	0.353	0.46	0.0	0.0	28.329	3.53	0.0	0.0	0.0	0
2.82	11.0	0.341	0.48	0.0	0.0	32.258	3.1	0.0	0.0	0.0	0
2.84	10.0	0.315	0.48	0.0	0.0	31.746	3.15	0.0	0.0	0.0	0
2.86	10.0	0.304	0.49	0.0	0.0	32.895	3.04	0.0	0.0	0.0	0
2.88	10.0	0.296	0.49	0.0	0.0	33.784	2.96	0.0	0.0	0.0	0
2.90	10.0	0.309	0.49	0.0	0.0	32.362	3.09	0.0	0.0	0.0	0
2.92	10.0	0.326	0.49	0.0	0.0	30.675	3.26	0.0	0.0	0.0	0
2.94	10.0	0.325	0.49	0.0	0.0	30.769	3.25	0.0	0.0	0.0	0
2.96	10.0	0.317	0.51	0.0	0.0	31.546	3.17	0.0	0.0	0.0	0
2.98	10.0	0.337	0.49	0.0	0.0	29.674	3.37	0.0	0.0	0.0	0
3.00	10.0	0.366	0.51	0.0	0.0	27.322	3.66	0.0	0.0	0.0	0
3.02	10.0	0.405	0.51	0.0	0.0	24.691	4.05	0.0	0.0	0.0	0
3.04	10.0	0.425	0.51	0.0	0.0	23.529	4.25	0.0	0.0	0.0	0
3.06	10.0	0.451	0.52	0.0	0.0	22.173	4.51	0.0	0.0	0.0	0
3.08	10.0	0.481	0.52	0.0	0.0	20.79	4.81	0.0	0.0	0.0	0
3.10	10.0	0.485	0.53	0.0	0.0	20.619	4.85	0.0	0.0	0.0	0
3.12	9.0	0.474	0.52	0.0	0.0	18.987	5.267	0.0	0.0	0.0	0
3.14	9.0	0.464	0.51	0.0	0.0	19.397	5.156	0.0	0.0	0.0	0
3.16	9.0	0.454	0.51	0.0	0.0	19.824	5.044	0.0	0.0	0.0	0
3.18	9.0	0.46	0.61	0.0	0.0	19.565	5.111	0.0	0.0	0.0	0
3.20	9.0	0.45	0.61	0.0	0.0	20.0	5.0	0.0	0.0	0.0	0
3.22	8.0	0.436	0.60	0.0	0.0	18.349	5.45	0.0	0.0	0.0	0
3.24	8.0	0.418	0.60	0.0	0.0	19.139	5.225	0.0	0.0	0.0	0
3.26	8.0	0.389	0.60	0.0	0.0	20.566	4.863	0.0	0.0	0.0	0
3.28	8.0	0.365	0.60	0.0	0.0	21.918	4.563	0.0	0.0	0.0	0
3.30	8.0	0.352	0.59	0.0	0.0	22.727	4.4	0.0	0.0	0.0	0
3.32	8.0	0.335	0.56	0.0	0.0	23.881	4.188	0.0	0.0	0.0	0
3.34	8.0	0.334	0.57	0.0	0.0	23.952	4.175	0.0	0.0	0.0	0
3.36	10.0	0.316	0.61	0.0	0.0	31.646	3.16	0.0	0.0	0.0	0
3.38	10.0	0.274	0.65	0.0	0.0	36.496	2.74	0.0	0.0	0.0	0
3.40	10.0	0.254	0.60	0.0	0.0	39.37	2.54	0.0	0.0	0.0	0
3.42	10.0	0.292	0.55	0.0	0.0	34.247	2.92	0.0	0.0	0.0	0
3.44	9.0	0.308	0.57	0.0	0.0	29.221	3.422	0.0	0.0	0.0	0
3.46	9.0	0.284	0.60	0.0	0.0	31.69	3.156	0.0	0.0	0.0	0
3.48	10.0	0.279	0.61	0.0	0.0	35.842	2.79	0.0	0.0	0.0	0
3.50	11.0	0.298	0.64	0.0	0.0	36.913	2.709	0.0	0.0	0.0	0
3.52	11.0	0.314	0.64	0.0	0.0	35.032	2.855	0.0	0.0	0.0	0
3.54	10.0	0.319	0.56	0.0	0.0	31.348	3.19	0.0	0.0	0.0	0
3.56	9.0	0.342	0.53	0.0	0.0	26.316	3.8	0.0	0.0	0.0	0
3.58	7.0	0.346	0.52	0.0	0.0	20.231	4.943	0.0	0.0	0.0	0
3.60	7.0	0.308	0.55	0.0	0.0	22.727	4.4	0.0	0.0	0.0	0
3.62	7.0	0.274	0.57	0.0	0.0	25.547	3.914	0.0	0.0	0.0	0

3.64	7.0	0.255	0.59	0.0	0.0	27.451	3.643	0.0	0.0	0.0	0
3.66	7.0	0.245	0.60	0.0	0.0	28.571	3.5	0.0	0.0	0.0	0
3.68	7.0	0.218	0.61	0.0	0.0	32.11	3.114	0.0	0.0	0.0	0
3.70	7.0	0.196	0.64	0.0	0.0	35.714	2.8	0.0	0.0	0.0	0
3.72	7.0	0.173	0.59	0.0	0.0	40.462	2.471	0.0	0.0	0.0	0
3.74	7.0	0.173	0.59	0.0	0.0	40.462	2.471	0.0	0.0	0.0	0
3.76	7.0	0.182	0.59	0.0	0.0	38.462	2.6	0.0	0.0	0.0	0
3.78	6.0	0.185	0.59	0.0	0.0	32.432	3.083	0.0	0.0	0.0	0
3.80	6.0	0.193	0.59	0.0	0.0	31.088	3.217	0.0	0.0	0.0	0
3.82	6.0	0.188	0.59	0.0	0.0	31.915	3.133	0.0	0.0	0.0	0
3.84	6.0	0.184	0.59	0.0	0.0	32.609	3.067	0.0	0.0	0.0	0
3.86	5.0	0.174	0.59	0.0	0.0	28.736	3.48	0.0	0.0	0.0	0
3.88	5.0	0.167	0.59	0.0	0.0	29.94	3.34	0.0	0.0	0.0	0
3.90	6.0	0.166	0.60	0.0	0.0	36.145	2.767	0.0	0.0	0.0	0
3.92	5.0	0.159	0.60	0.0	0.0	31.447	3.18	0.0	0.0	0.0	0
3.94	6.0	0.163	0.61	0.0	0.0	36.81	2.717	0.0	0.0	0.0	0
3.96	6.0	0.167	0.63	0.0	0.0	35.928	2.783	0.0	0.0	0.0	0
3.98	6.0	0.168	0.63	0.0	0.0	35.714	2.8	0.0	0.0	0.0	0
4.00	6.0	0.174	0.63	0.0	0.0	34.483	2.9	0.0	0.0	0.0	0
4.02	7.0	0.174	0.65	0.0	0.0	40.23	2.486	0.0	0.0	0.0	0
4.04	10.0	0.168	0.99	0.0	0.0	59.524	1.68	0.0	0.0	0.0	0
4.06	15.0	0.163	1.10	0.0	0.0	92.025	1.087	0.0	0.0	0.0	0
4.08	15.0	0.167	0.93	0.0	0.0	89.82	1.113	0.0	0.0	0.0	0
4.10	14.0	0.212	0.67	0.0	0.0	66.038	1.514	0.0	0.0	0.0	0
4.12	13.0	0.266	0.53	0.0	0.0	48.872	2.046	0.0	0.0	0.0	0
4.14	16.0	0.326	0.60	0.0	0.0	49.08	2.038	0.0	0.0	0.0	0
4.16	22.0	0.414	0.70	0.0	0.0	53.14	1.882	0.0	0.0	0.0	0
4.18	19.0	0.513	0.51	0.0	0.0	37.037	2.7	0.0	0.0	0.0	0
4.20	16.0	0.577	0.32	0.0	0.0	27.73	3.606	0.0	0.0	0.0	0
4.22	14.0	0.639	0.19	0.0	0.0	21.909	4.564	0.0	0.0	0.0	0
4.24	11.0	0.697	0.13	0.0	0.0	15.782	6.336	0.0	0.0	0.0	0
4.26	8.0	0.749	0.11	0.0	0.0	10.681	9.363	0.0	0.0	0.0	0
4.28	7.0	0.748	0.10	0.0	0.0	9.358	10.686	0.0	0.0	0.0	0
4.30	5.0	0.683	0.10	0.0	0.0	7.321	13.66	0.0	0.0	0.0	0
4.32	5.0	0.548	0.11	0.0	0.0	9.124	10.96	0.0	0.0	0.0	0
4.34	4.0	0.403	0.14	0.0	0.0	9.926	10.075	0.0	0.0	0.0	0
4.36	5.0	0.296	0.17	0.0	0.0	16.892	5.92	0.0	0.0	0.0	0
4.38	5.0	0.228	0.18	0.0	0.0	21.93	4.56	0.0	0.0	0.0	0
4.40	6.0	0.169	0.21	0.0	0.0	35.503	2.817	0.0	0.0	0.0	0
4.42	6.0	0.156	0.18	0.0	0.0	38.462	2.6	0.0	0.0	0.0	0
4.44	5.0	0.162	0.19	0.0	0.0	30.864	3.24	0.0	0.0	0.0	0
4.46	5.0	0.149	0.19	0.0	0.0	33.557	2.98	0.0	0.0	0.0	0
4.48	4.0	0.156	0.19	0.0	0.0	25.641	3.9	0.0	0.0	0.0	0
4.50	4.0	0.144	0.21	0.0	0.0	27.778	3.6	0.0	0.0	0.0	0
4.52	5.0	0.131	0.23	0.0	0.0	38.168	2.62	0.0	0.0	0.0	0
4.54	6.0	0.126	0.26	0.0	0.0	47.619	2.1	0.0	0.0	0.0	0
4.56	7.0	0.128	0.27	0.0	0.0	54.688	1.829	0.0	0.0	0.0	0
4.58	6.0	0.149	0.26	0.0	0.0	40.268	2.483	0.0	0.0	0.0	0
4.60	6.0	0.164	0.27	0.0	0.0	36.585	2.733	0.0	0.0	0.0	0
4.62	7.0	0.157	0.37	0.0	0.0	44.586	2.243	0.0	0.0	0.0	0
4.64	7.0	0.151	0.42	0.0	0.0	46.358	2.157	0.0	0.0	0.0	0
4.66	6.0	0.148	0.41	0.0	0.0	40.541	2.467	0.0	0.0	0.0	0
4.68	5.0	0.163	0.40	0.0	0.0	30.675	3.26	0.0	0.0	0.0	0
4.70	4.0	0.175	0.40	0.0	0.0	22.857	4.375	0.0	0.0	0.0	0
4.72	4.0	0.155	0.38	0.0	0.0	25.806	3.875	0.0	0.0	0.0	0
4.74	4.0	0.125	0.40	0.0	0.0	32.0	3.125	0.0	0.0	0.0	0
4.76	4.0	0.114	0.40	0.0	0.0	35.088	2.85	0.0	0.0	0.0	0
4.78	4.0	0.114	0.41	0.0	0.0	35.088	2.85	0.0	0.0	0.0	0
4.80	5.0	0.113	0.44	0.0	0.0	44.248	2.26	0.0	0.0	0.0	0
4.82	5.0	0.098	0.45	0.0	0.0	51.02	1.96	0.0	0.0	0.0	0
4.84	5.0	0.089	0.45	0.0	0.0	56.18	1.78	0.0	0.0	0.0	0
4.86	5.0	0.094	0.46	0.0	0.0	53.191	1.88	0.0	0.0	0.0	0
4.88	5.0	0.101	0.46	0.0	0.0	49.505	2.02	0.0	0.0	0.0	0
4.90	5.0	0.11	0.48	0.0	0.0	45.455	2.2	0.0	0.0	0.0	0
4.92	5.0	0.108	0.48	0.0	0.0	46.296	2.16	0.0	0.0	0.0	0
4.94	6.0	0.108	0.49	0.0	0.0	55.556	1.8	0.0	0.0	0.0	0
4.96	6.0	0.108	0.51	0.0	0.0	55.556	1.8	0.0	0.0	0.0	0
4.98	7.0	0.119	0.52	0.0	0.0	58.824	1.7	0.0	0.0	0.0	0
5.00	9.0	0.137	0.57	0.0	0.0	65.693	1.522	0.0	0.0	0.0	0
5.02	10.0	0.148	0.60	0.0	0.0	67.568	1.48	0.0	0.0	0.0	0

5.04	10.0	0.174	0.60	0.0	0.0	57.471	1.74	0.0	0.0	0.0	0
5.06	10.0	0.206	0.51	0.0	0.0	48.544	2.06	0.0	0.0	0.0	0
5.08	11.0	0.284	0.44	0.0	0.0	38.732	2.582	0.0	0.0	0.0	0
5.10	11.0	0.342	0.46	0.0	0.0	32.164	3.109	0.0	0.0	0.0	0
5.12	10.0	0.376	0.49	0.0	0.0	26.596	3.76	0.0	0.0	0.0	0
5.14	5.0	0.405	0.15	0.0	0.0	12.346	8.1	0.0	0.0	0.0	0
5.16	5.0	0.378	0.19	0.0	0.0	13.228	7.56	0.0	0.0	0.0	0
5.18	4.0	0.319	0.23	0.0	0.0	12.539	7.975	0.0	0.0	0.0	0
5.20	4.0	0.258	0.29	0.0	0.0	15.504	6.45	0.0	0.0	0.0	0
5.22	5.0	0.204	0.37	0.0	0.0	24.51	4.08	0.0	0.0	0.0	0
5.24	5.0	0.156	0.44	0.0	0.0	32.051	3.12	0.0	0.0	0.0	0
5.26	5.0	0.124	0.44	0.0	0.0	40.323	2.48	0.0	0.0	0.0	0
5.28	5.0	0.136	0.44	0.0	0.0	36.765	2.72	0.0	0.0	0.0	0
5.30	5.0	0.149	0.46	0.0	0.0	33.557	2.98	0.0	0.0	0.0	0
5.32	5.0	0.143	0.48	0.0	0.0	34.965	2.86	0.0	0.0	0.0	0
5.34	5.0	0.132	0.51	0.0	0.0	37.879	2.64	0.0	0.0	0.0	0
5.36	5.0	0.123	0.51	0.0	0.0	40.65	2.46	0.0	0.0	0.0	0
5.38	5.0	0.133	0.51	0.0	0.0	37.594	2.66	0.0	0.0	0.0	0
5.40	4.0	0.162	0.52	0.0	0.0	24.691	4.05	0.0	0.0	0.0	0
5.42	5.0	0.147	0.53	0.0	0.0	34.014	2.94	0.0	0.0	0.0	0
5.44	5.0	0.138	0.56	0.0	0.0	36.232	2.76	0.0	0.0	0.0	0
5.46	5.0	0.132	0.60	0.0	0.0	37.879	2.64	0.0	0.0	0.0	0
5.48	5.0	0.129	0.60	0.0	0.0	38.76	2.58	0.0	0.0	0.0	0
5.50	5.0	0.152	0.60	0.0	0.0	32.895	3.04	0.0	0.0	0.0	0
5.52	5.0	0.143	0.61	0.0	0.0	34.965	2.86	0.0	0.0	0.0	0
5.54	5.0	0.126	0.63	0.0	0.0	39.683	2.52	0.0	0.0	0.0	0
5.56	6.0	0.128	0.65	0.0	0.0	46.875	2.133	0.0	0.0	0.0	0
5.58	6.0	0.132	0.67	0.0	0.0	45.455	2.2	0.0	0.0	0.0	0
5.60	7.0	0.138	0.70	0.0	0.0	50.725	1.971	0.0	0.0	0.0	0
5.62	8.0	0.162	0.72	0.0	0.0	49.383	2.025	0.0	0.0	0.0	0
5.64	9.0	0.167	0.76	0.0	0.0	53.892	1.856	0.0	0.0	0.0	0
5.66	10.0	0.176	0.78	0.0	0.0	56.818	1.76	0.0	0.0	0.0	0
5.68	10.0	0.227	0.78	0.0	0.0	44.053	2.27	0.0	0.0	0.0	0
5.70	10.0	0.259	0.74	0.0	0.0	38.61	2.59	0.0	0.0	0.0	0
5.72	9.0	0.309	0.70	0.0	0.0	29.126	3.433	0.0	0.0	0.0	0
5.74	8.0	0.368	0.67	0.0	0.0	21.739	4.6	0.0	0.0	0.0	0
5.76	7.0	0.388	0.67	0.0	0.0	18.041	5.543	0.0	0.0	0.0	0
5.78	7.0	0.364	0.67	0.0	0.0	19.231	5.2	0.0	0.0	0.0	0
5.80	6.0	0.352	0.67	0.0	0.0	17.045	5.867	0.0	0.0	0.0	0
5.82	6.0	0.323	0.67	0.0	0.0	18.576	5.383	0.0	0.0	0.0	0
5.84	6.0	0.309	0.68	0.0	0.0	19.417	5.15	0.0	0.0	0.0	0
5.86	6.0	0.264	0.68	0.0	0.0	22.727	4.4	0.0	0.0	0.0	0
5.88	6.0	0.234	0.71	0.0	0.0	25.641	3.9	0.0	0.0	0.0	0
5.90	7.0	0.208	0.74	0.0	0.0	33.654	2.971	0.0	0.0	0.0	0
5.92	8.0	0.187	0.78	0.0	0.0	42.781	2.338	0.0	0.0	0.0	0
5.94	9.0	0.194	0.82	0.0	0.0	46.392	2.156	0.0	0.0	0.0	0
5.96	9.0	0.196	0.80	0.0	0.0	45.918	2.178	0.0	0.0	0.0	0
5.98	8.0	0.215	0.82	0.0	0.0	37.209	2.688	0.0	0.0	0.0	0
6.00	9.0	0.235	0.80	0.0	0.0	38.298	2.611	0.0	0.0	0.0	0
6.02	8.0	0.272	0.83	0.0	0.0	29.412	3.4	0.0	0.0	0.0	0
6.04	8.0	0.253	0.83	0.0	0.0	31.621	3.163	0.0	0.0	0.0	0
6.06	8.0	0.273	0.80	0.0	0.0	29.304	3.413	0.0	0.0	0.0	0
6.08	7.0	0.321	0.79	0.0	0.0	21.807	4.586	0.0	0.0	0.0	0
6.10	6.0	0.284	0.90	0.0	0.0	21.127	4.733	0.0	0.0	0.0	0
6.12	7.0	0.267	0.93	0.0	0.0	26.217	3.814	0.0	0.0	0.0	0
6.14	7.0	0.235	0.94	0.0	0.0	29.787	3.357	0.0	0.0	0.0	0
6.16	7.0	0.225	0.97	0.0	0.0	31.111	3.214	0.0	0.0	0.0	0
6.18	7.0	0.213	0.95	0.0	0.0	32.864	3.043	0.0	0.0	0.0	0
6.20	7.0	0.217	0.94	0.0	0.0	32.258	3.1	0.0	0.0	0.0	0
6.22	6.0	0.225	0.94	0.0	0.0	26.667	3.75	0.0	0.0	0.0	0
6.24	6.0	0.228	0.93	0.0	0.0	26.316	3.8	0.0	0.0	0.0	0
6.26	6.0	0.229	0.94	0.0	0.0	26.201	3.817	0.0	0.0	0.0	0
6.28	6.0	0.247	0.94	0.0	0.0	24.291	4.117	0.0	0.0	0.0	0
6.30	6.0	0.252	0.95	0.0	0.0	23.81	4.2	0.0	0.0	0.0	0
6.32	6.0	0.247	0.95	0.0	0.0	24.291	4.117	0.0	0.0	0.0	0
6.34	6.0	0.241	0.95	0.0	0.0	24.896	4.017	0.0	0.0	0.0	0
6.36	6.0	0.224	0.98	0.0	0.0	26.786	3.733	0.0	0.0	0.0	0
6.38	6.0	0.211	0.98	0.0	0.0	28.436	3.517	0.0	0.0	0.0	0
6.40	6.0	0.204	0.99	0.0	0.0	29.412	3.4	0.0	0.0	0.0	0
6.42	6.0	0.198	0.99	0.0	0.0	30.303	3.3	0.0	0.0	0.0	0

6.44	6.0	0.204	0.99	0.0	0.0	29.412	3.4	0.0	0.0	0.0	0
6.46	6.0	0.205	1.01	0.0	0.0	29.268	3.417	0.0	0.0	0.0	0
6.48	6.0	0.199	1.01	0.0	0.0	30.151	3.317	0.0	0.0	0.0	0
6.50	7.0	0.197	1.01	0.0	0.0	35.533	2.814	0.0	0.0	0.0	0
6.52	7.0	0.191	1.02	0.0	0.0	36.649	2.729	0.0	0.0	0.0	0
6.54	7.0	0.184	1.02	0.0	0.0	38.043	2.629	0.0	0.0	0.0	0
6.56	7.0	0.191	1.03	0.0	0.0	36.649	2.729	0.0	0.0	0.0	0
6.58	7.0	0.191	1.03	0.0	0.0	36.649	2.729	0.0	0.0	0.0	0
6.60	7.0	0.194	1.03	0.0	0.0	36.082	2.771	0.0	0.0	0.0	0
6.62	7.0	0.206	1.03	0.0	0.0	33.981	2.943	0.0	0.0	0.0	0
6.64	7.0	0.21	1.05	0.0	0.0	33.333	3.0	0.0	0.0	0.0	0
6.66	7.0	0.218	1.05	0.0	0.0	32.11	3.114	0.0	0.0	0.0	0
6.68	7.0	0.223	1.05	0.0	0.0	31.39	3.186	0.0	0.0	0.0	0
6.70	7.0	0.224	1.06	0.0	0.0	31.25	3.2	0.0	0.0	0.0	0
6.72	8.0	0.23	1.07	0.0	0.0	34.783	2.875	0.0	0.0	0.0	0
6.74	8.0	0.223	1.07	0.0	0.0	35.874	2.788	0.0	0.0	0.0	0
6.76	8.0	0.234	1.09	0.0	0.0	34.188	2.925	0.0	0.0	0.0	0
6.78	8.0	0.246	1.09	0.0	0.0	32.52	3.075	0.0	0.0	0.0	0
6.80	9.0	0.255	1.09	0.0	0.0	35.294	2.833	0.0	0.0	0.0	0
6.82	8.0	0.261	1.10	0.0	0.0	30.651	3.263	0.0	0.0	0.0	0
6.84	7.0	0.254	1.09	0.0	0.0	27.559	3.629	0.0	0.0	0.0	0
6.86	7.0	0.255	1.10	0.0	0.0	27.451	3.643	0.0	0.0	0.0	0
6.88	8.0	0.252	1.14	0.0	0.0	31.746	3.15	0.0	0.0	0.0	0
6.90	9.0	0.241	1.18	0.0	0.0	37.344	2.678	0.0	0.0	0.0	0
6.92	9.0	0.227	1.20	0.0	0.0	39.648	2.522	0.0	0.0	0.0	0
6.94	10.0	0.237	1.22	0.0	0.0	42.194	2.37	0.0	0.0	0.0	0
6.96	10.0	0.248	1.20	0.0	0.0	40.323	2.48	0.0	0.0	0.0	0
6.98	10.0	0.248	1.21	0.0	0.0	40.323	2.48	0.0	0.0	0.0	0
7.00	10.0	0.272	1.21	0.0	0.0	36.765	2.72	0.0	0.0	0.0	0
7.02	10.0	0.283	1.24	0.0	0.0	35.336	2.83	0.0	0.0	0.0	0
7.04	9.0	0.276	1.22	0.0	0.0	32.609	3.067	0.0	0.0	0.0	0
7.06	8.0	0.299	1.39	0.0	0.0	26.756	3.738	0.0	0.0	0.0	0
7.08	7.0	0.276	1.39	0.0	0.0	25.362	3.943	0.0	0.0	0.0	0
7.10	7.0	0.24	1.37	0.0	0.0	29.167	3.429	0.0	0.0	0.0	0
7.12	6.0	0.217	1.39	0.0	0.0	27.65	3.617	0.0	0.0	0.0	0
7.14	7.0	0.197	1.39	0.0	0.0	35.533	2.814	0.0	0.0	0.0	0
7.16	7.0	0.193	1.41	0.0	0.0	36.269	2.757	0.0	0.0	0.0	0
7.18	7.0	0.176	1.44	0.0	0.0	39.773	2.514	0.0	0.0	0.0	0
7.20	9.0	0.156	1.50	0.0	0.0	57.692	1.733	0.0	0.0	0.0	0
7.22	11.0	0.149	1.60	0.0	0.0	73.826	1.355	0.0	0.0	0.0	0
7.24	12.0	0.156	1.63	0.0	0.0	76.923	1.3	0.0	0.0	0.0	0
7.26	11.0	0.192	1.59	0.0	0.0	57.292	1.745	0.0	0.0	0.0	0
7.28	9.0	0.261	1.52	0.0	0.0	34.483	2.9	0.0	0.0	0.0	0
7.30	8.0	0.323	1.50	0.0	0.0	24.768	4.038	0.0	0.0	0.0	0
7.32	8.0	0.327	1.51	0.0	0.0	24.465	4.088	0.0	0.0	0.0	0
7.34	8.0	0.327	1.51	0.0	0.0	24.465	4.088	0.0	0.0	0.0	0
7.36	8.0	0.341	1.52	0.0	0.0	23.46	4.263	0.0	0.0	0.0	0
7.38	8.0	0.334	1.52	0.0	0.0	23.952	4.175	0.0	0.0	0.0	0
7.40	8.0	0.316	1.54	0.0	0.0	25.316	3.95	0.0	0.0	0.0	0
7.42	8.0	0.28	1.54	0.0	0.0	28.571	3.5	0.0	0.0	0.0	0
7.44	8.0	0.26	1.54	0.0	0.0	30.769	3.25	0.0	0.0	0.0	0
7.46	8.0	0.264	1.54	0.0	0.0	30.303	3.3	0.0	0.0	0.0	0
7.48	8.0	0.261	1.55	0.0	0.0	30.651	3.263	0.0	0.0	0.0	0
7.50	8.0	0.265	1.54	0.0	0.0	30.189	3.313	0.0	0.0	0.0	0
7.52	8.0	0.267	1.55	0.0	0.0	29.963	3.338	0.0	0.0	0.0	0
7.54	8.0	0.266	1.55	0.0	0.0	30.075	3.325	0.0	0.0	0.0	0
7.56	8.0	0.271	1.55	0.0	0.0	29.52	3.388	0.0	0.0	0.0	0
7.58	7.0	0.274	1.54	0.0	0.0	25.547	3.914	0.0	0.0	0.0	0
7.60	7.0	0.277	1.54	0.0	0.0	25.271	3.957	0.0	0.0	0.0	0
7.62	7.0	0.285	1.54	0.0	0.0	24.561	4.071	0.0	0.0	0.0	0
7.64	7.0	0.286	1.55	0.0	0.0	24.476	4.086	0.0	0.0	0.0	0
7.66	7.0	0.281	1.54	0.0	0.0	24.911	4.014	0.0	0.0	0.0	0
7.68	7.0	0.277	1.54	0.0	0.0	25.271	3.957	0.0	0.0	0.0	0
7.70	7.0	0.274	1.54	0.0	0.0	25.547	3.914	0.0	0.0	0.0	0
7.72	7.0	0.273	1.52	0.0	0.0	25.641	3.9	0.0	0.0	0.0	0
7.74	6.0	0.274	1.51	0.0	0.0	21.898	4.567	0.0	0.0	0.0	0
7.76	6.0	0.27	1.51	0.0	0.0	22.222	4.5	0.0	0.0	0.0	0
7.78	6.0	0.26	1.50	0.0	0.0	23.077	4.333	0.0	0.0	0.0	0
7.80	6.0	0.254	1.50	0.0	0.0	23.622	4.233	0.0	0.0	0.0	0
7.82	6.0	0.25	1.51	0.0	0.0	24.0	4.167	0.0	0.0	0.0	0

7.84	6.0	0.241	1.50	0.0	0.0	24.896	4.017	0.0	0.0	0.0	0
7.86	6.0	0.234	1.51	0.0	0.0	25.641	3.9	0.0	0.0	0.0	0
7.88	7.0	0.235	1.52	0.0	0.0	29.787	3.357	0.0	0.0	0.0	0
7.90	8.0	0.26	1.55	0.0	0.0	30.769	3.25	0.0	0.0	0.0	0
7.92	9.0	0.292	1.60	0.0	0.0	30.822	3.244	0.0	0.0	0.0	0
7.94	10.0	0.304	1.62	0.0	0.0	32.895	3.04	0.0	0.0	0.0	0
7.96	10.0	0.344	1.63	0.0	0.0	29.07	3.44	0.0	0.0	0.0	0
7.98	11.0	0.41	1.64	0.0	0.0	26.829	3.727	0.0	0.0	0.0	0
8.00	11.0	0.483	1.66	0.0	0.0	22.774	4.391	0.0	0.0	0.0	0
8.02	11.0	0.551	1.67	0.0	0.0	19.964	5.009	0.0	0.0	0.0	0
8.04	13.0	0.701	1.85	0.0	0.0	18.545	5.392	0.0	0.0	0.0	0
8.06	13.0	0.744	1.85	0.0	0.0	17.473	5.723	0.0	0.0	0.0	0
8.08	14.0	0.774	1.86	0.0	0.0	18.088	5.529	0.0	0.0	0.0	0
8.10	14.0	0.821	1.86	0.0	0.0	17.052	5.864	0.0	0.0	0.0	0
8.12	14.0	0.85	1.85	0.0	0.0	16.471	6.071	0.0	0.0	0.0	0
8.14	14.0	0.861	1.83	0.0	0.0	16.26	6.15	0.0	0.0	0.0	0
8.16	14.0	0.891	1.82	0.0	0.0	15.713	6.364	0.0	0.0	0.0	0
8.18	14.0	0.936	1.83	0.0	0.0	14.957	6.686	0.0	0.0	0.0	0
8.20	15.0	0.96	1.85	0.0	0.0	15.625	6.4	0.0	0.0	0.0	0
8.22	14.0	0.99	1.86	0.0	0.0	14.141	7.071	0.0	0.0	0.0	0
8.24	14.0	0.983	1.88	0.0	0.0	14.242	7.021	0.0	0.0	0.0	0
8.26	14.0	0.965	1.89	0.0	0.0	14.508	6.893	0.0	0.0	0.0	0
8.28	15.0	0.962	1.89	0.0	0.0	15.593	6.413	0.0	0.0	0.0	0
8.30	15.0	0.979	1.89	0.0	0.0	15.322	6.527	0.0	0.0	0.0	0
8.32	15.0	0.986	1.93	0.0	0.0	15.213	6.573	0.0	0.0	0.0	0
8.34	15.0	0.967	1.92	0.0	0.0	15.512	6.447	0.0	0.0	0.0	0
8.36	16.0	0.954	1.86	0.0	0.0	16.771	5.963	0.0	0.0	0.0	0
8.38	15.0	1.02	1.90	0.0	0.0	14.706	6.8	0.0	0.0	0.0	0
8.40	14.0	1.087	1.93	0.0	0.0	12.879	7.764	0.0	0.0	0.0	0
8.42	13.0	1.102	1.89	0.0	0.0	11.797	8.477	0.0	0.0	0.0	0
8.44	13.0	1.075	1.86	0.0	0.0	12.093	8.269	0.0	0.0	0.0	0
8.46	13.0	1.064	1.85	0.0	0.0	12.218	8.185	0.0	0.0	0.0	0
8.48	12.0	1.076	1.85	0.0	0.0	11.152	8.967	0.0	0.0	0.0	0
8.50	12.0	1.013	1.82	0.0	0.0	11.846	8.442	0.0	0.0	0.0	0
8.52	11.0	0.965	1.82	0.0	0.0	11.399	8.773	0.0	0.0	0.0	0
8.54	11.0	0.934	1.83	0.0	0.0	11.777	8.491	0.0	0.0	0.0	0
8.56	11.0	0.879	1.81	0.0	0.0	12.514	7.991	0.0	0.0	0.0	0
8.58	11.0	0.817	1.79	0.0	0.0	13.464	7.427	0.0	0.0	0.0	0
8.60	10.0	0.769	1.82	0.0	0.0	13.004	7.69	0.0	0.0	0.0	0
8.62	11.0	0.725	1.85	0.0	0.0	15.172	6.591	0.0	0.0	0.0	0
8.64	11.0	0.672	1.89	0.0	0.0	16.369	6.109	0.0	0.0	0.0	0
8.66	12.0	0.617	1.94	0.0	0.0	19.449	5.142	0.0	0.0	0.0	0
8.68	13.0	0.598	2.01	0.0	0.0	21.739	4.6	0.0	0.0	0.0	0
8.70	14.0	0.563	2.02	0.0	0.0	24.867	4.021	0.0	0.0	0.0	0
8.72	15.0	0.577	2.02	0.0	0.0	25.997	3.847	0.0	0.0	0.0	0
8.74	15.0	0.605	2.02	0.0	0.0	24.793	4.033	0.0	0.0	0.0	0
8.76	15.0	0.69	2.01	0.0	0.0	21.739	4.6	0.0	0.0	0.0	0
8.78	14.0	0.8	2.02	0.0	0.0	17.5	5.714	0.0	0.0	0.0	0
8.80	14.0	0.887	2.04	0.0	0.0	15.784	6.336	0.0	0.0	0.0	0
8.82	14.0	0.964	2.05	0.0	0.0	14.523	6.886	0.0	0.0	0.0	0
8.84	15.0	1.017	2.07	0.0	0.0	14.749	6.78	0.0	0.0	0.0	0
8.86	16.0	1.028	2.09	0.0	0.0	15.564	6.425	0.0	0.0	0.0	0
8.88	16.0	1.014	2.12	0.0	0.0	15.779	6.338	0.0	0.0	0.0	0
8.90	16.0	0.977	2.11	0.0	0.0	16.377	6.106	0.0	0.0	0.0	0
8.92	15.0	0.924	2.11	0.0	0.0	16.234	6.16	0.0	0.0	0.0	0
8.94	15.0	0.887	2.11	0.0	0.0	16.911	5.913	0.0	0.0	0.0	0
8.96	15.0	0.879	2.12	0.0	0.0	17.065	5.86	0.0	0.0	0.0	0
8.98	15.0	0.897	2.12	0.0	0.0	16.722	5.98	0.0	0.0	0.0	0
9.00	15.0	0.929	2.12	0.0	0.0	16.146	6.193	0.0	0.0	0.0	0
9.02	15.0	1.044	2.21	0.0	0.0	14.368	6.96	0.0	0.0	0.0	0
9.04	15.0	1.07	2.20	0.0	0.0	14.019	7.133	0.0	0.0	0.0	0
9.06	15.0	1.063	2.19	0.0	0.0	14.111	7.087	0.0	0.0	0.0	0
9.08	15.0	1.053	2.20	0.0	0.0	14.245	7.02	0.0	0.0	0.0	0
9.10	15.0	1.041	2.19	0.0	0.0	14.409	6.94	0.0	0.0	0.0	0
9.12	15.0	1.037	2.17	0.0	0.0	14.465	6.913	0.0	0.0	0.0	0
9.14	15.0	1.034	2.17	0.0	0.0	14.507	6.893	0.0	0.0	0.0	0
9.16	15.0	1.025	2.19	0.0	0.0	14.634	6.833	0.0	0.0	0.0	0
9.18	16.0	1.038	2.20	0.0	0.0	15.414	6.488	0.0	0.0	0.0	0
9.20	16.0	1.047	2.23	0.0	0.0	15.282	6.544	0.0	0.0	0.0	0
9.22	16.0	1.047	2.24	0.0	0.0	15.282	6.544	0.0	0.0	0.0	0

9.24	16.0	1.044	2.26	0.0	0.0	15.326	6.525	0.0	0.0	0.0	0
9.26	16.0	1.035	2.26	0.0	0.0	15.459	6.469	0.0	0.0	0.0	0
9.28	16.0	1.009	2.28	0.0	0.0	15.857	6.306	0.0	0.0	0.0	0
9.30	16.0	0.966	2.28	0.0	0.0	16.563	6.038	0.0	0.0	0.0	0
9.32	16.0	0.948	2.27	0.0	0.0	16.878	5.925	0.0	0.0	0.0	0
9.34	16.0	0.966	2.26	0.0	0.0	16.563	6.038	0.0	0.0	0.0	0
9.36	17.0	1.023	2.27	0.0	0.0	16.618	6.018	0.0	0.0	0.0	0
9.38	17.0	1.074	2.32	0.0	0.0	15.829	6.318	0.0	0.0	0.0	0
9.40	18.0	1.093	2.39	0.0	0.0	16.468	6.072	0.0	0.0	0.0	0
9.42	19.0	1.095	2.43	0.0	0.0	17.352	5.763	0.0	0.0	0.0	0
9.44	20.0	1.093	2.45	0.0	0.0	18.298	5.465	0.0	0.0	0.0	0
9.46	20.0	1.115	2.43	0.0	0.0	17.937	5.575	0.0	0.0	0.0	0
9.48	20.0	1.173	2.42	0.0	0.0	17.05	5.865	0.0	0.0	0.0	0
9.50	19.0	1.204	2.42	0.0	0.0	15.781	6.337	0.0	0.0	0.0	0
9.52	20.0	1.251	2.42	0.0	0.0	15.987	6.255	0.0	0.0	0.0	0
9.54	20.0	1.311	2.43	0.0	0.0	15.256	6.555	0.0	0.0	0.0	0
9.56	20.0	1.419	2.43	0.0	0.0	14.094	7.095	0.0	0.0	0.0	0
9.58	19.0	1.536	2.43	0.0	0.0	12.37	8.084	0.0	0.0	0.0	0
9.60	19.0	1.581	2.42	0.0	0.0	12.018	8.321	0.0	0.0	0.0	0
9.62	19.0	1.584	2.45	0.0	0.0	11.995	8.337	0.0	0.0	0.0	0
9.64	19.0	1.545	2.43	0.0	0.0	12.298	8.132	0.0	0.0	0.0	0
9.66	19.0	1.488	2.43	0.0	0.0	12.769	7.832	0.0	0.0	0.0	0
9.68	19.0	1.437	2.40	0.0	0.0	13.222	7.563	0.0	0.0	0.0	0
9.70	19.0	1.425	2.39	0.0	0.0	13.333	7.5	0.0	0.0	0.0	0
9.72	18.0	1.395	2.38	0.0	0.0	12.903	7.75	0.0	0.0	0.0	0
9.74	18.0	1.391	2.36	0.0	0.0	12.94	7.728	0.0	0.0	0.0	0
9.76	18.0	1.4	2.38	0.0	0.0	12.857	7.778	0.0	0.0	0.0	0
9.78	18.0	1.412	2.38	0.0	0.0	12.748	7.844	0.0	0.0	0.0	0
9.80	17.0	1.416	2.40	0.0	0.0	12.006	8.329	0.0	0.0	0.0	0
9.82	17.0	1.411	2.43	0.0	0.0	12.048	8.3	0.0	0.0	0.0	0
9.84	17.0	1.365	2.43	0.0	0.0	12.454	8.029	0.0	0.0	0.0	0
9.86	17.0	1.317	2.46	0.0	0.0	12.908	7.747	0.0	0.0	0.0	0
9.88	18.0	1.256	2.49	0.0	0.0	14.331	6.978	0.0	0.0	0.0	0
9.90	19.0	1.203	2.51	0.0	0.0	15.794	6.332	0.0	0.0	0.0	0
9.92	19.0	1.143	2.53	0.0	0.0	16.623	6.016	0.0	0.0	0.0	0
9.94	19.0	1.118	2.51	0.0	0.0	16.995	5.884	0.0	0.0	0.0	0
9.96	19.0	1.166	2.49	0.0	0.0	16.295	6.137	0.0	0.0	0.0	0
9.98	20.0	1.308	2.45	0.0	0.0	15.291	6.54	0.0	0.0	0.0	0
10.00	20.0	1.347	2.49	0.0	0.0	14.848	6.735	0.0	0.0	0.0	0
10.02	19.0	1.415	2.47	0.0	0.0	13.428	7.447	0.0	0.0	0.0	0
10.04	19.0	1.489	2.45	0.0	0.0	12.76	7.837	0.0	0.0	0.0	0
10.06	19.0	1.516	2.45	0.0	0.0	12.533	7.979	0.0	0.0	0.0	0
10.08	20.0	1.488	2.47	0.0	0.0	13.441	7.44	0.0	0.0	0.0	0
10.10	20.0	1.482	2.49	0.0	0.0	13.495	7.41	0.0	0.0	0.0	0
10.12	20.0	1.514	2.50	0.0	0.0	13.21	7.57	0.0	0.0	0.0	0
10.14	20.0	1.486	2.49	0.0	0.0	13.459	7.43	0.0	0.0	0.0	0
10.16	20.0	1.431	2.47	0.0	0.0	13.976	7.155	0.0	0.0	0.0	0
10.18	20.0	1.437	2.46	0.0	0.0	13.918	7.185	0.0	0.0	0.0	0
10.20	19.0	1.489	2.45	0.0	0.0	12.76	7.837	0.0	0.0	0.0	0
10.22	20.0	1.517	2.49	0.0	0.0	13.184	7.585	0.0	0.0	0.0	0
10.24	20.0	1.486	2.50	0.0	0.0	13.459	7.43	0.0	0.0	0.0	0
10.26	20.0	1.451	2.47	0.0	0.0	13.784	7.255	0.0	0.0	0.0	0
10.28	19.0	1.479	2.46	0.0	0.0	12.847	7.784	0.0	0.0	0.0	0
10.30	19.0	1.431	2.47	0.0	0.0	13.277	7.532	0.0	0.0	0.0	0
10.32	20.0	1.38	2.47	0.0	0.0	14.493	6.9	0.0	0.0	0.0	0
10.34	20.0	1.415	2.46	0.0	0.0	14.134	7.075	0.0	0.0	0.0	0
10.36	20.0	1.463	2.46	0.0	0.0	13.671	7.315	0.0	0.0	0.0	0
10.38	20.0	1.479	2.47	0.0	0.0	13.523	7.395	0.0	0.0	0.0	0
10.40	20.0	1.516	2.47	0.0	0.0	13.193	7.58	0.0	0.0	0.0	0
10.42	19.0	1.513	2.45	0.0	0.0	12.558	7.963	0.0	0.0	0.0	0
10.44	19.0	1.499	2.43	0.0	0.0	12.675	7.889	0.0	0.0	0.0	0
10.46	19.0	1.461	2.40	0.0	0.0	13.005	7.689	0.0	0.0	0.0	0
10.48	18.0	1.418	2.40	0.0	0.0	12.694	7.878	0.0	0.0	0.0	0
10.50	18.0	1.397	2.38	0.0	0.0	12.885	7.761	0.0	0.0	0.0	0
10.52	18.0	1.372	2.39	0.0	0.0	13.12	7.622	0.0	0.0	0.0	0
10.54	18.0	1.331	2.39	0.0	0.0	13.524	7.394	0.0	0.0	0.0	0
10.56	18.0	1.297	2.38	0.0	0.0	13.878	7.206	0.0	0.0	0.0	0
10.58	18.0	1.309	2.36	0.0	0.0	13.751	7.272	0.0	0.0	0.0	0
10.60	18.0	1.316	2.35	0.0	0.0	13.678	7.311	0.0	0.0	0.0	0
10.62	17.0	1.316	2.35	0.0	0.0	12.918	7.741	0.0	0.0	0.0	0

10.64	17.0	1.284	2.32	0.0	0.0	13.24	7.553	0.0	0.0	0.0	0
10.66	17.0	1.286	2.32	0.0	0.0	13.219	7.565	0.0	0.0	0.0	0
10.68	16.0	1.299	2.30	0.0	0.0	12.317	8.119	0.0	0.0	0.0	0
10.70	16.0	1.306	2.27	0.0	0.0	12.251	8.163	0.0	0.0	0.0	0
10.72	16.0	1.286	2.28	0.0	0.0	12.442	8.038	0.0	0.0	0.0	0
10.74	16.0	1.24	2.30	0.0	0.0	12.903	7.75	0.0	0.0	0.0	0
10.76	16.0	1.252	2.32	0.0	0.0	12.78	7.825	0.0	0.0	0.0	0
10.78	17.0	1.239	2.35	0.0	0.0	13.721	7.288	0.0	0.0	0.0	0
10.80	18.0	1.185	2.40	0.0	0.0	15.19	6.583	0.0	0.0	0.0	0
10.82	19.0	1.131	2.43	0.0	0.0	16.799	5.953	0.0	0.0	0.0	0
10.84	19.0	1.136	2.43	0.0	0.0	16.725	5.979	0.0	0.0	0.0	0
10.86	18.0	1.144	2.39	0.0	0.0	15.734	6.356	0.0	0.0	0.0	0
10.88	17.0	1.136	2.35	0.0	0.0	14.965	6.682	0.0	0.0	0.0	0
10.90	16.0	1.122	2.30	0.0	0.0	14.26	7.013	0.0	0.0	0.0	0
10.92	16.0	1.085	2.26	0.0	0.0	14.747	6.781	0.0	0.0	0.0	0
10.94	15.0	1.122	2.24	0.0	0.0	13.369	7.48	0.0	0.0	0.0	0
10.96	15.0	1.139	2.19	0.0	0.0	13.169	7.593	0.0	0.0	0.0	0
10.98	15.0	1.131	2.20	0.0	0.0	13.263	7.54	0.0	0.0	0.0	0
11.00	15.0	1.117	2.19	0.0	0.0	13.429	7.447	0.0	0.0	0.0	0
11.02	15.0	1.101	2.17	0.0	0.0	13.624	7.34	0.0	0.0	0.0	0
11.04	15.0	1.086	2.17	0.0	0.0	13.812	7.24	0.0	0.0	0.0	0
11.06	15.0	1.05	2.19	0.0	0.0	14.286	7.0	0.0	0.0	0.0	0
11.08	16.0	1.008	2.24	0.0	0.0	15.873	6.3	0.0	0.0	0.0	0
11.10	17.0	0.991	2.28	0.0	0.0	17.154	5.829	0.0	0.0	0.0	0
11.12	18.0	0.973	2.34	0.0	0.0	18.499	5.406	0.0	0.0	0.0	0
11.14	19.0	0.877	2.36	0.0	0.0	21.665	4.616	0.0	0.0	0.0	0
11.16	19.0	0.861	2.35	0.0	0.0	22.067	4.532	0.0	0.0	0.0	0
11.18	18.0	0.922	2.31	0.0	0.0	19.523	5.122	0.0	0.0	0.0	0
11.20	18.0	0.988	2.30	0.0	0.0	18.219	5.489	0.0	0.0	0.0	0
11.22	17.0	1.065	2.26	0.0	0.0	15.962	6.265	0.0	0.0	0.0	0
11.24	16.0	1.129	2.24	0.0	0.0	14.172	7.056	0.0	0.0	0.0	0
11.26	16.0	1.179	2.26	0.0	0.0	13.571	7.369	0.0	0.0	0.0	0
11.28	16.0	1.198	2.26	0.0	0.0	13.356	7.488	0.0	0.0	0.0	0
11.30	16.0	1.157	2.27	0.0	0.0	13.829	7.231	0.0	0.0	0.0	0
11.32	17.0	1.081	2.30	0.0	0.0	15.726	6.359	0.0	0.0	0.0	0
11.34	16.0	1.039	2.26	0.0	0.0	15.399	6.494	0.0	0.0	0.0	0
11.36	16.0	1.008	2.26	0.0	0.0	15.873	6.3	0.0	0.0	0.0	0
11.38	16.0	1.007	2.27	0.0	0.0	15.889	6.294	0.0	0.0	0.0	0
11.40	16.0	1.02	2.26	0.0	0.0	15.686	6.375	0.0	0.0	0.0	0
11.42	16.0	0.998	2.28	0.0	0.0	16.032	6.238	0.0	0.0	0.0	0
11.44	16.0	0.976	2.28	0.0	0.0	16.393	6.1	0.0	0.0	0.0	0
11.46	16.0	0.973	2.28	0.0	0.0	16.444	6.081	0.0	0.0	0.0	0
11.48	16.0	0.985	2.28	0.0	0.0	16.244	6.156	0.0	0.0	0.0	0
11.50	16.0	0.998	2.26	0.0	0.0	16.032	6.238	0.0	0.0	0.0	0
11.52	16.0	1.025	2.26	0.0	0.0	15.61	6.406	0.0	0.0	0.0	0
11.54	16.0	1.038	2.26	0.0	0.0	15.414	6.488	0.0	0.0	0.0	0
11.56	16.0	1.039	2.24	0.0	0.0	15.399	6.494	0.0	0.0	0.0	0
11.58	16.0	1.056	2.23	0.0	0.0	15.152	6.6	0.0	0.0	0.0	0
11.60	16.0	1.066	2.21	0.0	0.0	15.009	6.663	0.0	0.0	0.0	0
11.62	15.0	1.083	2.20	0.0	0.0	13.85	7.22	0.0	0.0	0.0	0
11.64	15.0	1.076	2.20	0.0	0.0	13.941	7.173	0.0	0.0	0.0	0
11.66	15.0	1.041	2.19	0.0	0.0	14.409	6.94	0.0	0.0	0.0	0
11.68	15.0	1.032	2.19	0.0	0.0	14.535	6.88	0.0	0.0	0.0	0
11.70	16.0	1.021	2.23	0.0	0.0	15.671	6.381	0.0	0.0	0.0	0
11.72	17.0	1.013	2.27	0.0	0.0	16.782	5.959	0.0	0.0	0.0	0
11.74	18.0	0.989	2.32	0.0	0.0	18.2	5.494	0.0	0.0	0.0	0
11.76	19.0	0.96	2.36	0.0	0.0	19.792	5.053	0.0	0.0	0.0	0
11.78	20.0	0.97	2.39	0.0	0.0	20.619	4.85	0.0	0.0	0.0	0
11.80	21.0	1.039	2.40	0.0	0.0	20.212	4.948	0.0	0.0	0.0	0
11.82	21.0	1.138	2.39	0.0	0.0	18.453	5.419	0.0	0.0	0.0	0
11.84	20.0	1.224	2.39	0.0	0.0	16.34	6.12	0.0	0.0	0.0	0
11.86	20.0	1.261	2.38	0.0	0.0	15.86	6.305	0.0	0.0	0.0	0
11.88	21.0	1.329	2.38	0.0	0.0	15.801	6.329	0.0	0.0	0.0	0
11.90	21.0	1.39	2.38	0.0	0.0	15.108	6.619	0.0	0.0	0.0	0
11.92	21.0	1.46	2.39	0.0	0.0	14.384	6.952	0.0	0.0	0.0	0
11.94	22.0	1.504	2.39	0.0	0.0	14.628	6.836	0.0	0.0	0.0	0
11.96	22.0	1.545	2.40	0.0	0.0	14.239	7.023	0.0	0.0	0.0	0
11.98	22.0	1.572	2.39	0.0	0.0	13.995	7.145	0.0	0.0	0.0	0
12.00	22.0	1.591	2.39	0.0	0.0	13.828	7.232	0.0	0.0	0.0	0
12.02	22.0	1.62	2.38	0.0	0.0	13.58	7.364	0.0	0.0	0.0	0

12.04	21.0	1.634	2.35	0.0	0.0	12.852	7.781	0.0	0.0	0.0	0
12.06	21.0	1.66	2.34	0.0	0.0	12.651	7.905	0.0	0.0	0.0	0
12.08	21.0	1.661	2.34	0.0	0.0	12.643	7.91	0.0	0.0	0.0	0
12.10	20.0	1.653	2.34	0.0	0.0	12.099	8.265	0.0	0.0	0.0	0
12.12	20.0	1.616	2.35	0.0	0.0	12.376	8.08	0.0	0.0	0.0	0
12.14	20.0	1.562	2.35	0.0	0.0	12.804	7.81	0.0	0.0	0.0	0
12.16	20.0	1.5	2.35	0.0	0.0	13.333	7.5	0.0	0.0	0.0	0
12.18	20.0	1.443	2.34	0.0	0.0	13.86	7.215	0.0	0.0	0.0	0
12.20	20.0	1.376	2.34	0.0	0.0	14.535	6.88	0.0	0.0	0.0	0
12.22	20.0	1.336	2.34	0.0	0.0	14.97	6.68	0.0	0.0	0.0	0
12.24	21.0	1.274	2.34	0.0	0.0	16.484	6.067	0.0	0.0	0.0	0
12.26	21.0	1.291	2.36	0.0	0.0	16.266	6.148	0.0	0.0	0.0	0
12.28	21.0	1.328	2.38	0.0	0.0	15.813	6.324	0.0	0.0	0.0	0
12.30	22.0	1.35	2.39	0.0	0.0	16.296	6.136	0.0	0.0	0.0	0
12.32	21.0	1.424	2.39	0.0	0.0	14.747	6.781	0.0	0.0	0.0	0
12.34	22.0	1.463	2.40	0.0	0.0	15.038	6.65	0.0	0.0	0.0	0
12.36	22.0	1.481	2.40	0.0	0.0	14.855	6.732	0.0	0.0	0.0	0
12.38	22.0	1.532	2.39	0.0	0.0	14.36	6.964	0.0	0.0	0.0	0
12.40	22.0	1.548	2.39	0.0	0.0	14.212	7.036	0.0	0.0	0.0	0
12.42	21.0	1.569	2.39	0.0	0.0	13.384	7.471	0.0	0.0	0.0	0
12.44	21.0	1.549	2.38	0.0	0.0	13.557	7.376	0.0	0.0	0.0	0
12.46	21.0	1.51	2.36	0.0	0.0	13.907	7.19	0.0	0.0	0.0	0
12.48	21.0	1.506	2.35	0.0	0.0	13.944	7.171	0.0	0.0	0.0	0
12.50	21.0	1.458	2.36	0.0	0.0	14.403	6.943	0.0	0.0	0.0	0
12.52	21.0	1.411	2.35	0.0	0.0	14.883	6.719	0.0	0.0	0.0	0
12.54	21.0	1.399	2.35	0.0	0.0	15.011	6.662	0.0	0.0	0.0	0
12.56	21.0	1.415	2.35	0.0	0.0	14.841	6.738	0.0	0.0	0.0	0
12.58	21.0	1.456	2.35	0.0	0.0	14.423	6.933	0.0	0.0	0.0	0
12.60	21.0	1.506	2.34	0.0	0.0	13.944	7.171	0.0	0.0	0.0	0
12.62	21.0	1.512	2.32	0.0	0.0	13.889	7.2	0.0	0.0	0.0	0
12.64	20.0	1.552	2.31	0.0	0.0	12.887	7.76	0.0	0.0	0.0	0
12.66	19.0	1.574	2.28	0.0	0.0	12.071	8.284	0.0	0.0	0.0	0
12.68	19.0	1.559	2.26	0.0	0.0	12.187	8.205	0.0	0.0	0.0	0
12.70	19.0	1.5	2.24	0.0	0.0	12.667	7.895	0.0	0.0	0.0	0
12.72	18.0	1.464	2.20	0.0	0.0	12.295	8.133	0.0	0.0	0.0	0
12.74	18.0	1.421	2.17	0.0	0.0	12.667	7.894	0.0	0.0	0.0	0
12.76	17.0	1.419	2.15	0.0	0.0	11.98	8.347	0.0	0.0	0.0	0
12.78	16.0	1.419	2.11	0.0	0.0	11.276	8.869	0.0	0.0	0.0	0
12.80	16.0	1.389	2.09	0.0	0.0	11.519	8.681	0.0	0.0	0.0	0
12.82	16.0	1.333	2.08	0.0	0.0	12.003	8.331	0.0	0.0	0.0	0
12.84	16.0	1.271	2.08	0.0	0.0	12.589	7.944	0.0	0.0	0.0	0
12.86	16.0	1.184	2.09	0.0	0.0	13.514	7.4	0.0	0.0	0.0	0
12.88	16.0	1.111	2.11	0.0	0.0	14.401	6.944	0.0	0.0	0.0	0
12.90	17.0	1.003	2.13	0.0	0.0	16.949	5.9	0.0	0.0	0.0	0
12.92	17.0	0.848	2.20	0.0	0.0	20.047	4.988	0.0	0.0	0.0	0
12.94	18.0	0.877	2.21	0.0	0.0	20.525	4.872	0.0	0.0	0.0	0
12.96	18.0	0.897	2.24	0.0	0.0	20.067	4.983	0.0	0.0	0.0	0
12.98	19.0	0.935	2.28	0.0	0.0	20.321	4.921	0.0	0.0	0.0	0
13.00	20.0	0.917	2.31	0.0	0.0	21.81	4.585	0.0	0.0	0.0	0
13.02	20.0	0.953	2.30	0.0	0.0	20.986	4.765	0.0	0.0	0.0	0
13.04	20.0	1.015	2.28	0.0	0.0	19.704	5.075	0.0	0.0	0.0	0
13.06	19.0	1.082	2.27	0.0	0.0	17.56	5.695	0.0	0.0	0.0	0
13.08	19.0	1.141	2.26	0.0	0.0	16.652	6.005	0.0	0.0	0.0	0
13.10	18.0	1.173	2.24	0.0	0.0	15.345	6.517	0.0	0.0	0.0	0
13.12	18.0	1.218	2.24	0.0	0.0	14.778	6.767	0.0	0.0	0.0	0
13.14	18.0	1.242	2.24	0.0	0.0	14.493	6.9	0.0	0.0	0.0	0
13.16	18.0	1.178	2.27	0.0	0.0	15.28	6.544	0.0	0.0	0.0	0
13.18	19.0	1.12	2.30	0.0	0.0	16.964	5.895	0.0	0.0	0.0	0
13.20	19.0	1.031	2.30	0.0	0.0	18.429	5.426	0.0	0.0	0.0	0
13.22	20.0	1.003	2.31	0.0	0.0	19.94	5.015	0.0	0.0	0.0	0
13.24	20.0	1.021	2.34	0.0	0.0	19.589	5.105	0.0	0.0	0.0	0
13.26	20.0	1.052	2.35	0.0	0.0	19.011	5.26	0.0	0.0	0.0	0
13.28	20.0	1.093	2.36	0.0	0.0	18.298	5.465	0.0	0.0	0.0	0
13.30	20.0	1.117	2.36	0.0	0.0	17.905	5.585	0.0	0.0	0.0	0
13.32	21.0	1.15	2.36	0.0	0.0	18.261	5.476	0.0	0.0	0.0	0
13.34	20.0	1.218	2.35	0.0	0.0	16.42	6.09	0.0	0.0	0.0	0
13.36	20.0	1.248	2.34	0.0	0.0	16.026	6.24	0.0	0.0	0.0	0
13.38	21.0	1.256	2.36	0.0	0.0	16.72	5.981	0.0	0.0	0.0	0
13.40	21.0	1.297	2.36	0.0	0.0	16.191	6.176	0.0	0.0	0.0	0
13.42	20.0	1.319	2.34	0.0	0.0	15.163	6.595	0.0	0.0	0.0	0

13.44	20.0	1.397	2.32	0.0	0.0	14.316	6.985	0.0	0.0	0.0	0
13.46	20.0	1.397	2.30	0.0	0.0	14.316	6.985	0.0	0.0	0.0	0
13.48	19.0	1.433	2.28	0.0	0.0	13.259	7.542	0.0	0.0	0.0	0
13.50	19.0	1.46	2.27	0.0	0.0	13.014	7.684	0.0	0.0	0.0	0
13.52	19.0	1.431	2.30	0.0	0.0	13.277	7.532	0.0	0.0	0.0	0
13.54	20.0	1.366	2.31	0.0	0.0	14.641	6.83	0.0	0.0	0.0	0
13.56	20.0	1.314	2.31	0.0	0.0	15.221	6.57	0.0	0.0	0.0	0
13.58	20.0	1.31	2.31	0.0	0.0	15.267	6.55	0.0	0.0	0.0	0
13.60	20.0	1.292	2.31	0.0	0.0	15.48	6.46	0.0	0.0	0.0	0
13.62	19.0	1.302	2.30	0.0	0.0	14.593	6.853	0.0	0.0	0.0	0
13.64	19.0	1.352	2.27	0.0	0.0	14.053	7.116	0.0	0.0	0.0	0
13.66	18.0	1.411	2.24	0.0	0.0	12.757	7.839	0.0	0.0	0.0	0
13.68	18.0	1.407	2.24	0.0	0.0	12.793	7.817	0.0	0.0	0.0	0
13.70	18.0	1.407	2.23	0.0	0.0	12.793	7.817	0.0	0.0	0.0	0
13.72	17.0	1.375	2.21	0.0	0.0	12.364	8.088	0.0	0.0	0.0	0
13.74	17.0	1.317	2.21	0.0	0.0	12.908	7.747	0.0	0.0	0.0	0
13.76	17.0	1.252	2.20	0.0	0.0	13.578	7.365	0.0	0.0	0.0	0
13.78	17.0	1.209	2.20	0.0	0.0	14.061	7.112	0.0	0.0	0.0	0
13.80	17.0	1.153	2.20	0.0	0.0	14.744	6.782	0.0	0.0	0.0	0
13.82	17.0	1.089	2.20	0.0	0.0	15.611	6.406	0.0	0.0	0.0	0
13.84	17.0	1.065	2.20	0.0	0.0	15.962	6.265	0.0	0.0	0.0	0
13.86	17.0	1.058	2.21	0.0	0.0	16.068	6.224	0.0	0.0	0.0	0
13.88	17.0	1.058	2.21	0.0	0.0	16.068	6.224	0.0	0.0	0.0	0
13.90	17.0	0.939	2.15	0.0	0.0	18.104	5.524	0.0	0.0	0.0	0
13.92	18.0	1.057	2.17	0.0	0.0	17.029	5.872	0.0	0.0	0.0	0
13.94	18.0	1.1	2.17	0.0	0.0	16.364	6.111	0.0	0.0	0.0	0
13.96	17.0	1.142	2.16	0.0	0.0	14.886	6.718	0.0	0.0	0.0	0
13.98	17.0	1.158	2.15	0.0	0.0	14.68	6.812	0.0	0.0	0.0	0
14.00	17.0	1.146	2.16	0.0	0.0	14.834	6.741	0.0	0.0	0.0	0
14.02	17.0	1.118	2.17	0.0	0.0	15.206	6.576	0.0	0.0	0.0	0
14.04	18.0	1.092	2.17	0.0	0.0	16.484	6.067	0.0	0.0	0.0	0
14.06	18.0	1.112	2.16	0.0	0.0	16.187	6.178	0.0	0.0	0.0	0
14.08	18.0	1.118	2.16	0.0	0.0	16.1	6.211	0.0	0.0	0.0	0
14.10	18.0	1.127	2.15	0.0	0.0	15.972	6.261	0.0	0.0	0.0	0
14.12	18.0	1.095	2.15	0.0	0.0	16.438	6.083	0.0	0.0	0.0	0
14.14	18.0	1.092	2.13	0.0	0.0	16.484	6.067	0.0	0.0	0.0	0
14.16	18.0	1.137	2.11	0.0	0.0	15.831	6.317	0.0	0.0	0.0	0
14.18	17.0	1.18	2.09	0.0	0.0	14.407	6.941	0.0	0.0	0.0	0
14.20	17.0	1.19	2.07	0.0	0.0	14.286	7.0	0.0	0.0	0.0	0
14.22	16.0	1.179	2.04	0.0	0.0	13.571	7.369	0.0	0.0	0.0	0
14.24	16.0	1.176	2.02	0.0	0.0	13.605	7.35	0.0	0.0	0.0	0
14.26	15.0	1.162	2.00	0.0	0.0	12.909	7.747	0.0	0.0	0.0	0
14.28	15.0	1.136	1.97	0.0	0.0	13.204	7.573	0.0	0.0	0.0	0
14.30	14.0	1.082	1.92	0.0	0.0	12.939	7.729	0.0	0.0	0.0	0
14.32	13.0	1.043	1.88	0.0	0.0	12.464	8.023	0.0	0.0	0.0	0
14.34	12.0	1.012	1.85	0.0	0.0	11.858	8.433	0.0	0.0	0.0	0
14.36	12.0	0.985	1.81	0.0	0.0	12.183	8.208	0.0	0.0	0.0	0
14.38	11.0	0.965	1.78	0.0	0.0	11.399	8.773	0.0	0.0	0.0	0
14.40	10.0	0.912	1.78	0.0	0.0	10.965	9.12	0.0	0.0	0.0	0
14.42	10.0	0.849	1.78	0.0	0.0	11.779	8.49	0.0	0.0	0.0	0
14.44	10.0	0.744	1.78	0.0	0.0	13.441	7.44	0.0	0.0	0.0	0
14.46	10.0	0.652	1.78	0.0	0.0	15.337	6.52	0.0	0.0	0.0	0
14.48	10.0	0.559	1.79	0.0	0.0	17.889	5.59	0.0	0.0	0.0	0
14.50	11.0	0.472	1.83	0.0	0.0	23.305	4.291	0.0	0.0	0.0	0
14.52	12.0	0.39	1.86	0.0	0.0	30.769	3.25	0.0	0.0	0.0	0
14.54	12.0	0.376	1.85	0.0	0.0	31.915	3.133	0.0	0.0	0.0	0
14.56	12.0	0.378	1.83	0.0	0.0	31.746	3.15	0.0	0.0	0.0	0
14.58	11.0	0.393	1.82	0.0	0.0	27.99	3.573	0.0	0.0	0.0	0
14.60	11.0	0.421	1.81	0.0	0.0	26.128	3.827	0.0	0.0	0.0	0
14.62	10.0	0.453	1.78	0.0	0.0	22.075	4.53	0.0	0.0	0.0	0
14.64	10.0	0.498	1.77	0.0	0.0	20.08	4.98	0.0	0.0	0.0	0
14.66	10.0	0.509	1.77	0.0	0.0	19.646	5.09	0.0	0.0	0.0	0
14.68	10.0	0.481	1.77	0.0	0.0	20.79	4.81	0.0	0.0	0.0	0
14.70	10.0	0.442	1.77	0.0	0.0	22.624	4.42	0.0	0.0	0.0	0
14.72	10.0	0.406	1.78	0.0	0.0	24.631	4.06	0.0	0.0	0.0	0
14.74	10.0	0.354	1.81	0.0	0.0	28.249	3.54	0.0	0.0	0.0	0
14.76	10.0	0.31	1.82	0.0	0.0	32.258	3.1	0.0	0.0	0.0	0
14.78	10.0	0.289	1.83	0.0	0.0	34.602	2.89	0.0	0.0	0.0	0
14.80	11.0	0.274	1.86	0.0	0.0	40.146	2.491	0.0	0.0	0.0	0
14.82	12.0	0.269	1.90	0.0	0.0	44.61	2.242	0.0	0.0	0.0	0

14.84	12.0	0.261	1.94	0.0	0.0	45.977	2.175	0.0	0.0	0.0	0
14.86	13.0	0.276	1.97	0.0	0.0	47.101	2.123	0.0	0.0	0.0	0
14.88	13.0	0.296	1.98	0.0	0.0	43.919	2.277	0.0	0.0	0.0	0
14.90	14.0	0.276	2.35	0.0	0.0	50.725	1.971	0.0	0.0	0.0	0
14.92	14.0	0.323	2.40	0.0	0.0	43.344	2.307	0.0	0.0	0.0	0
14.94	15.0	0.369	2.43	0.0	0.0	40.65	2.46	0.0	0.0	0.0	0
14.96	15.0	0.406	2.46	0.0	0.0	36.946	2.707	0.0	0.0	0.0	0
14.98	0.0	0.0	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
15.00	0.0	0.0	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0

NATURA LITOLOGICA (Robertson 1986)

Profondità (m)	Litologia: Robertson 1986
0.02	Limi argillosi e Argille limose
0.04	Argille limose - Argille
0.06	Argille limose - Argille
0.08	Argille
0.10	Argille
0.12	Argille
0.14	Argille
0.16	Argille
0.18	Argille
0.20	Argille
0.22	Argille
0.24	Argille
0.26	Argille
0.28	Argille limose - Argille
0.30	Limi argillosi e Argille limose
0.32	Sabbie limose - Limi argillosi
0.34	Sabbie limose - Limi argillosi
0.36	Sabbie limose - Limi argillosi
0.38	Limi sabbiosi e Limi argillosi
0.40	Argille
0.42	Argille
0.44	Argille
0.46	Argille
0.48	Argille
0.50	Argille limose - Argille
0.52	Argille limose - Argille
0.54	Limi argillosi e Argille limose
0.56	Argille limose - Argille
0.58	Argille limose - Argille
0.60	Limi argillosi e Argille limose
0.62	Limi argillosi e Argille limose
0.64	Argille limose - Argille
0.66	Limi argillosi e Argille limose
0.68	Argille limose - Argille
0.70	Argille limose - Argille
0.72	Argille limose - Argille
0.74	Limi argillosi e Argille limose
0.76	Limi argillosi e Argille limose
0.78	Limi sabbiosi e Limi argillosi
0.80	Limi sabbiosi e Limi argillosi
0.82	Limi sabbiosi e Limi argillosi
0.84	Sabbie limose - Limi argillosi
0.86	Sabbie limose - Limi argillosi
0.88	Sabbie limose - Limi argillosi
0.90	Sabbie limose - Limi argillosi
0.92	Sabbie limose - Limi argillosi
0.94	Sabbie limose - Limi argillosi
0.96	Limi sabbiosi e Limi argillosi
0.98	Limi sabbiosi e Limi argillosi
1.00	Limi sabbiosi e Limi argillosi
1.02	Limi sabbiosi e Limi argillosi
1.04	Limi sabbiosi e Limi argillosi
1.06	Limi sabbiosi e Limi argillosi
1.08	Limi sabbiosi e Limi argillosi
1.10	Limi sabbiosi e Limi argillosi
1.12	Limi sabbiosi e Limi argillosi
1.14	Limi sabbiosi e Limi argillosi

1.16	Limi sabbiosi e Limi argillosi
1.18	Limi sabbiosi e Limi argillosi
1.20	Limi sabbiosi e Limi argillosi
1.22	Limi sabbiosi e Limi argillosi
1.24	Limi sabbiosi e Limi argillosi
1.26	Limi sabbiosi e Limi argillosi
1.28	Sabbie limose - Limi argillosi
1.30	Sabbie limose - Limi argillosi
1.32	Sabbie limose - Limi argillosi
1.34	Sabbie limose - Limi argillosi
1.36	Sabbie limose - Limi argillosi
1.38	Sabbie limose - Limi argillosi
1.40	Limi sabbiosi e Limi argillosi
1.42	Limi sabbiosi e Limi argillosi
1.44	Limi sabbiosi e Limi argillosi
1.46	Limi sabbiosi e Limi argillosi
1.48	Limi sabbiosi e Limi argillosi
1.50	Limi sabbiosi e Limi argillosi
1.52	Limi sabbiosi e Limi argillosi
1.54	Limi sabbiosi e Limi argillosi
1.56	Limi argillosi e Argille limose
1.58	Limi argillosi e Argille limose
1.60	Limi argillosi e Argille limose
1.62	Argille limose - Argille
1.64	Argille limose - Argille
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2.12	Argille limose - Argille
2.14	Argille limose - Argille
2.16	Argille limose - Argille
2.18	Argille limose - Argille
2.20	Limi argillosi e Argille limose
2.22	Argille
2.24	Argille
2.26	Argille limose - Argille
2.28	Argille limose - Argille
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2.32	Argille
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2.72	Argille
2.74	Argille limose - Argille
2.76	Argille limose - Argille
2.78	Argille limose - Argille
2.80	Argille
2.82	Argille limose - Argille
2.84	Argille limose - Argille
2.86	Argille limose - Argille
2.88	Argille limose - Argille
2.90	Argille limose - Argille
2.92	Argille limose - Argille
2.94	Argille limose - Argille
2.96	Argille limose - Argille
2.98	Argille limose - Argille
3.00	Argille
3.02	Argille
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3.36	Argille limose - Argille
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3.40	Argille limose - Argille
3.42	Argille limose - Argille
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3.76	Argille limose - Argille
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4.02	Argille limose - Argille
4.04	Limi argillosi e Argille limose
4.06	Limi sabbiosi e Limi argillosi
4.08	Limi sabbiosi e Limi argillosi
4.10	Limi sabbiosi e Limi argillosi
4.12	Limi argillosi e Argille limose
4.14	Limi argillosi e Argille limose
4.16	Limi sabbiosi e Limi argillosi
4.18	Limi argillosi e Argille limose
4.20	Argille limose - Argille
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4.30	Materiali organici e torbosi
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4.84	Terreni fini molto sensitivi
4.86	Argille limose - Argille
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5.00	Limi argillosi e Argille limose
5.02	Limi argillosi e Argille limose
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5.08	Argille limose - Argille
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14.78	Argille limose - Argille
14.80	Limi argillosi e Argille limose
14.82	Limi argillosi e Argille limose
14.84	Limi argillosi e Argille limose
14.86	Limi argillosi e Argille limose
14.88	Limi argillosi e Argille limose
14.90	Limi argillosi e Argille limose
14.92	Limi argillosi e Argille limose
14.94	Limi argillosi e Argille limose
14.96	Limi argillosi e Argille limose
14.98	Stima non eseguibile
15.00	Stima non eseguibile

STIMA PARAMETRI GEOTECNICI

Nr: Numero progressivo strato
 Prof: Profondità strato (m)

Tipo: C: Coesivo. I: Incoerente. CI: Coesivo-Incoerente
 Cu: Coesione non drenata (Kg/cm²)
 Eu: Modulo di deformazione non drenato (Kg/cm²)
 Mo: Modulo Edometrico (Kg/cm²)
 G: Modulo di deformazione a taglio (Kg/cm²)
 OCR: Grado di sovraconsolidazione
 Puv: Peso unità di volume (t/m³)
 PuvS: Peso unità di volume saturo (t/m³)
 Dr: Densità relativa (%)
 Fi: Angolo di resistenza al taglio (°)
 Ey: Modulo di Young (Kg/cm²)
 Vs: Velocità onde di taglio (m/s)

Nr.	Prof.	Tipo	Cu	Eu	Mo	G	OCR	Puv	PuvS	Dr	Fi	Ey	Vs
1	0.02	C	0.4	262.4	35.2	91.9	>9	1.8	1.9	--	--	--	74.42
2	0.28	C	0.4	324.8	40.4	104.9	>9	1.8	1.9	--	--	--	120.97
3	0.30	C	0.9	672.8	45.9	163.7	>9	2.0	2.0	--	--	--	153.47
4	0.36	CI	1.6	1222.5	65.3	235.7	<0.5	2.1	2.1	99.0	40.6	81.7	209.28
5	0.38	CI	1.1	784.7	42.0	179.9	0.7	2.0	2.1	80.9	37.8	52.5	190.10
6	0.52	C	0.7	548.4	48.4	144.8	>9	1.9	2.0	--	--	--	158.95
7	0.54	C	1.0	746.0	42.0	174.6	>9	2.0	2.1	--	--	--	172.46
8	0.58	C	0.8	558.3	48.4	146.5	>9	1.9	2.0	--	--	--	165.10
9	0.62	C	0.8	614.3	47.7	155.3	>9	1.9	2.0	--	--	--	169.74
10	0.64	C	0.8	595.3	48.0	152.4	>9	1.9	2.0	--	--	--	170.06
11	0.66	C	0.9	632.7	47.2	158.1	>9	1.9	2.0	--	--	--	172.76
12	0.72	C	0.9	682.4	45.4	165.6	>9	2.0	2.0	--	--	--	176.80
13	0.82	C	1.6	1179.3	63.2	230.9	>9	2.0	2.1	--	--	--	198.58
14	0.94	CI	2.7	2024.7	108.3	321.0	0.6	2.1	2.2	92.8	38.2	135.4	268.44
15	1.26	CI	2.5	1883.1	100.9	307.3	0.8	2.1	2.2	84.7	36.7	126.1	271.46
16	1.38	CI	2.8	2089.9	112.0	327.6	0.8	2.1	2.2	83.8	36.3	140.0	285.32
17	1.60	CI	2.5	1843.2	98.9	303.6	1.0	2.1	2.2	76.5	35.1	123.6	280.90
18	2.18	C	1.3	928.2	50.3	200.8	>9	2.0	2.1	--	--	--	220.72
19	2.20	C	0.6	395.8	45.4	121.2	4.4	1.9	1.9	--	--	--	194.49
20	4.02	C	0.5	338.6	42.8	111.9	4.2	1.8	1.9	--	--	--	200.75
21	4.18	C	0.8	553.7	48.3	149.4	2.7	1.9	2.0	--	--	--	224.25
22	4.28	C	0.6	391.9	45.7	122.5	6.5	1.9	1.9	--	--	--	212.00
23	4.34	C	0.2	146.7	25.9	71.8	5.1	1.7	1.8	--	--	--	181.23
24	4.82	C	0.3	166.0	28.3	76.7	1.3	1.7	1.8	--	--	--	185.80
25	4.84	CI	0.3	157.4	27.4	74.9	<0.5	1.7	1.8	5.0	18.9	12.5	178.35
26	4.98	C	0.3	178.6	29.8	80.0	0.9	1.7	1.8	--	--	--	189.13
27	5.06	C	0.5	335.0	43.0	112.6	1.4	1.8	1.9	--	--	--	209.63
28	5.12	C	0.5	369.2	44.8	118.9	2.9	1.9	1.9	--	--	--	213.32
29	5.14	C	0.3	156.5	27.4	74.9	3.5	1.7	1.8	--	--	--	186.11
30	5.16	C	0.3	156.5	27.4	74.9	3.2	1.7	1.8	--	--	--	186.18
31	5.18	C	0.2	118.9	22.8	65.3	2.7	1.7	1.7	--	--	--	178.87
32	5.62	C	0.3	164.1	28.4	76.9	1.2	1.7	1.8	--	--	--	188.56
33	5.68	C	0.5	329.6	42.8	112.0	1.5	1.8	1.9	--	--	--	211.71
34	7.18	C	0.4	240.0	36.4	94.7	1.8	1.8	1.9	--	--	--	203.93
35	7.26	C	0.5	365.0	45.0	119.5	1.1	1.9	1.9	--	--	--	221.02
36	14.78	C	0.8	552.7	47.9	153.2	5.3	1.9	2.0	--	--	--	250.22
37	14.96	C	0.7	429.0	48.0	135.6	1.1	1.9	2.0	--	--	--	250.89
38	15.00	C	0.7	429.0	48.0	135.6	1.1	1.9	2.0	--	--	--	250.89

PROVA ...CPTU N°8

Committente: Comune di San Giovanni Persiceto
 Strumento utilizzato: PAGANI 200 kN (CPTU)
 Prova eseguita in data: 05/11/2017
 Profondità prova: 15.00 mt
 Località: S. Giovanni Persiceto

RESISTENZE / LITOLOGIE

Profondità
 qc Resistenza punta (Kg/cm²);
 fs Resistenza laterale (Kg/cm²);
 Tilt Inclinazione (°)
 Temp Temperatura (°)
 Fr fs/qcx100 (Schmertmann)

qcn qc normalizzata (Kg/cm²);
 fsn fs normalizzato (Kg/cm²);
 U2 Pressione neutrale intorno al cono (Kg/cm²);
 Uo Pressione neutrale rilevata (Kg/cm²);
 Fc Contenuto in materiale fine(%)

Profondità	qc	fs	U2	Tilt	Temp	qc/fs	Fr	Uo	qcn	fsn	FC%
0.02	32.0	0.143	0.32	0.0	0.0	223.776	0.447	0.0	0.0	0.0	0
0.04	66.0	0.279	0.57	0.0	0.0	236.559	0.423	0.0	0.0	0.0	0
0.06	83.0	0.321	0.74	0.0	0.0	258.567	0.387	0.0	0.0	0.0	0
0.08	99.0	0.408	0.80	0.0	0.0	242.647	0.412	0.0	0.0	0.0	0
0.10	104.0	0.516	0.72	0.0	0.0	201.55	0.496	0.0	0.0	0.0	0
0.12	129.0	0.688	0.93	0.0	0.0	187.5	0.533	0.0	0.0	0.0	0
0.14	133.0	0.761	0.65	0.0	0.0	174.77	0.572	0.0	0.0	0.0	0
0.16	129.0	0.739	0.36	0.0	0.0	174.56	0.573	0.0	0.0	0.0	0
0.18	118.0	0.812	0.23	0.0	0.0	145.32	0.688	0.0	0.0	0.0	0
0.20	100.0	1.127	0.11	0.0	0.0	88.731	1.127	0.0	0.0	0.0	0
0.22	87.0	0.635	-0.04	0.0	0.0	137.008	0.73	0.0	0.0	0.0	0
0.24	72.0	1.088	-0.08	0.0	0.0	66.176	1.511	0.0	0.0	0.0	0
0.26	65.0	1.286	-0.11	0.0	0.0	50.544	1.978	0.0	0.0	0.0	0
0.28	62.0	1.423	-0.13	0.0	0.0	43.57	2.295	0.0	0.0	0.0	0
0.30	60.0	1.572	-0.13	0.0	0.0	38.168	2.62	0.0	0.0	0.0	0
0.32	59.0	1.589	-0.13	0.0	0.0	37.13	2.693	0.0	0.0	0.0	0
0.34	59.0	1.673	-0.13	0.0	0.0	35.266	2.836	0.0	0.0	0.0	0
0.36	55.0	1.754	-0.15	0.0	0.0	31.357	3.189	0.0	0.0	0.0	0
0.38	51.0	1.625	-0.16	0.0	0.0	31.385	3.186	0.0	0.0	0.0	0
0.40	48.0	1.651	-0.17	0.0	0.0	29.073	3.44	0.0	0.0	0.0	0
0.42	42.0	1.576	-0.20	0.0	0.0	26.65	3.752	0.0	0.0	0.0	0
0.44	38.0	1.507	-0.21	0.0	0.0	25.216	3.966	0.0	0.0	0.0	0
0.46	36.0	1.501	-0.23	0.0	0.0	23.984	4.169	0.0	0.0	0.0	0
0.48	40.0	1.473	-0.21	0.0	0.0	27.155	3.683	0.0	0.0	0.0	0
0.50	47.0	1.415	-0.27	0.0	0.0	33.216	3.011	0.0	0.0	0.0	0
0.52	60.0	1.347	-0.24	0.0	0.0	44.543	2.245	0.0	0.0	0.0	0
0.54	68.0	1.262	-0.23	0.0	0.0	53.883	1.856	0.0	0.0	0.0	0
0.56	72.0	1.338	-0.21	0.0	0.0	53.812	1.858	0.0	0.0	0.0	0
0.58	73.0	1.31	-0.21	0.0	0.0	55.725	1.795	0.0	0.0	0.0	0
0.60	72.0	1.274	-0.21	0.0	0.0	56.515	1.769	0.0	0.0	0.0	0
0.62	67.0	1.229	-0.21	0.0	0.0	54.516	1.834	0.0	0.0	0.0	0
0.64	65.0	1.178	-0.21	0.0	0.0	55.178	1.812	0.0	0.0	0.0	0
0.66	59.0	1.15	-0.23	0.0	0.0	51.304	1.949	0.0	0.0	0.0	0
0.68	57.0	1.054	-0.23	0.0	0.0	54.08	1.849	0.0	0.0	0.0	0
0.70	54.0	1.086	-0.24	0.0	0.0	49.724	2.011	0.0	0.0	0.0	0
0.72	52.0	1.127	-0.24	0.0	0.0	46.14	2.167	0.0	0.0	0.0	0
0.74	52.0	1.227	-0.24	0.0	0.0	42.38	2.36	0.0	0.0	0.0	0
0.76	52.0	1.385	-0.24	0.0	0.0	37.545	2.663	0.0	0.0	0.0	0
0.78	53.0	1.44	-0.23	0.0	0.0	36.806	2.717	0.0	0.0	0.0	0
0.80	52.0	1.484	-0.24	0.0	0.0	35.04	2.854	0.0	0.0	0.0	0
0.82	53.0	1.567	-0.23	0.0	0.0	33.823	2.957	0.0	0.0	0.0	0
0.84	53.0	1.686	-0.23	0.0	0.0	31.435	3.181	0.0	0.0	0.0	0
0.86	53.0	1.789	-0.23	0.0	0.0	29.625	3.375	0.0	0.0	0.0	0
0.88	53.0	1.863	-0.23	0.0	0.0	28.449	3.515	0.0	0.0	0.0	0
0.90	52.0	1.958	-0.24	0.0	0.0	26.558	3.765	0.0	0.0	0.0	0
0.92	51.0	2.086	-0.23	0.0	0.0	24.449	4.09	0.0	0.0	0.0	0
0.94	52.0	2.238	-0.23	0.0	0.0	23.235	4.304	0.0	0.0	0.0	0
0.96	51.0	2.249	-0.23	0.0	0.0	22.677	4.41	0.0	0.0	0.0	0
0.98	50.0	2.194	-0.23	0.0	0.0	22.789	4.388	0.0	0.0	0.0	0
1.00	50.0	2.065	-0.23	0.0	0.0	24.213	4.13	0.0	0.0	0.0	0
1.02	48.0	1.884	-0.23	0.0	0.0	25.478	3.925	0.0	0.0	0.0	0
1.04	46.0	1.659	-0.23	0.0	0.0	27.728	3.607	0.0	0.0	0.0	0
1.06	45.0	1.409	-0.23	0.0	0.0	31.938	3.131	0.0	0.0	0.0	0
1.08	43.0	1.115	-0.23	0.0	0.0	38.565	2.593	0.0	0.0	0.0	0
1.10	41.0	0.897	-0.23	0.0	0.0	45.708	2.188	0.0	0.0	0.0	0
1.12	39.0	0.721	-0.21	0.0	0.0	54.092	1.849	0.0	0.0	0.0	0
1.14	37.0	0.601	-0.21	0.0	0.0	61.564	1.624	0.0	0.0	0.0	0
1.16	36.0	0.533	-0.21	0.0	0.0	67.542	1.481	0.0	0.0	0.0	0
1.18	33.0	0.457	-0.15	0.0	0.0	72.21	1.385	0.0	0.0	0.0	0
1.20	31.0	0.452	-0.15	0.0	0.0	68.584	1.458	0.0	0.0	0.0	0
1.22	28.0	0.456	-0.16	0.0	0.0	61.404	1.629	0.0	0.0	0.0	0
1.24	27.0	0.452	-0.16	0.0	0.0	59.735	1.674	0.0	0.0	0.0	0

1.26	26.0	0.488	-0.16	0.0	0.0	53.279	1.877	0.0	0.0	0.0	0
1.28	26.0	0.547	-0.16	0.0	0.0	47.532	2.104	0.0	0.0	0.0	0
1.30	26.0	0.573	-0.16	0.0	0.0	45.375	2.204	0.0	0.0	0.0	0
1.32	26.0	0.551	-0.15	0.0	0.0	47.187	2.119	0.0	0.0	0.0	0
1.34	26.0	0.541	-0.16	0.0	0.0	48.059	2.081	0.0	0.0	0.0	0
1.36	26.0	0.511	-0.15	0.0	0.0	50.881	1.965	0.0	0.0	0.0	0
1.38	24.0	0.471	-0.16	0.0	0.0	50.955	1.963	0.0	0.0	0.0	0
1.40	23.0	0.403	-0.16	0.0	0.0	57.072	1.752	0.0	0.0	0.0	0
1.42	21.0	0.34	-0.16	0.0	0.0	61.765	1.619	0.0	0.0	0.0	0
1.44	18.0	0.297	-0.17	0.0	0.0	60.606	1.65	0.0	0.0	0.0	0
1.46	16.0	0.26	-0.17	0.0	0.0	61.538	1.625	0.0	0.0	0.0	0
1.48	14.0	0.302	-0.17	0.0	0.0	46.358	2.157	0.0	0.0	0.0	0
1.50	15.0	0.363	-0.16	0.0	0.0	41.322	2.42	0.0	0.0	0.0	0
1.52	18.0	0.39	-0.11	0.0	0.0	46.154	2.167	0.0	0.0	0.0	0
1.54	20.0	0.398	-0.11	0.0	0.0	50.251	1.99	0.0	0.0	0.0	0
1.56	22.0	0.357	-0.11	0.0	0.0	61.625	1.623	0.0	0.0	0.0	0
1.58	24.0	0.34	-0.11	0.0	0.0	70.588	1.417	0.0	0.0	0.0	0
1.60	24.0	0.317	-0.09	0.0	0.0	75.71	1.321	0.0	0.0	0.0	0
1.62	22.0	0.284	-0.11	0.0	0.0	77.465	1.291	0.0	0.0	0.0	0
1.64	20.0	0.273	-0.11	0.0	0.0	73.26	1.365	0.0	0.0	0.0	0
1.66	18.0	0.31	-0.11	0.0	0.0	58.065	1.722	0.0	0.0	0.0	0
1.68	17.0	0.335	-0.12	0.0	0.0	50.746	1.971	0.0	0.0	0.0	0
1.70	15.0	0.365	-0.12	0.0	0.0	41.096	2.433	0.0	0.0	0.0	0
1.72	13.0	0.414	-0.15	0.0	0.0	31.401	3.185	0.0	0.0	0.0	0
1.74	11.0	0.447	-0.15	0.0	0.0	24.609	4.064	0.0	0.0	0.0	0
1.76	10.0	0.44	-0.12	0.0	0.0	22.727	4.4	0.0	0.0	0.0	0
1.78	9.0	0.383	-0.11	0.0	0.0	23.499	4.256	0.0	0.0	0.0	0
1.80	9.0	0.333	-0.11	0.0	0.0	27.027	3.7	0.0	0.0	0.0	0
1.82	8.0	0.297	-0.12	0.0	0.0	26.936	3.713	0.0	0.0	0.0	0
1.84	7.0	0.283	-0.11	0.0	0.0	24.735	4.043	0.0	0.0	0.0	0
1.86	7.0	0.28	-0.11	0.0	0.0	25.0	4.0	0.0	0.0	0.0	0
1.88	7.0	0.29	-0.11	0.0	0.0	24.138	4.143	0.0	0.0	0.0	0
1.90	8.0	0.273	-0.11	0.0	0.0	29.304	3.413	0.0	0.0	0.0	0
1.92	9.0	0.258	-0.09	0.0	0.0	34.884	2.867	0.0	0.0	0.0	0
1.94	9.0	0.253	-0.08	0.0	0.0	35.573	2.811	0.0	0.0	0.0	0
1.96	8.0	0.262	-0.09	0.0	0.0	30.534	3.275	0.0	0.0	0.0	0
1.98	7.0	0.25	-0.09	0.0	0.0	28.0	3.571	0.0	0.0	0.0	0
2.00	6.0	0.218	-0.11	0.0	0.0	27.523	3.633	0.0	0.0	0.0	0
2.02	6.0	0.18	-0.11	0.0	0.0	33.333	3.0	0.0	0.0	0.0	0
2.04	6.0	0.188	-0.09	0.0	0.0	31.915	3.133	0.0	0.0	0.0	0
2.06	6.0	0.219	-0.09	0.0	0.0	27.397	3.65	0.0	0.0	0.0	0
2.08	6.0	0.238	-0.11	0.0	0.0	25.21	3.967	0.0	0.0	0.0	0
2.10	6.0	0.246	-0.09	0.0	0.0	24.39	4.1	0.0	0.0	0.0	0
2.12	6.0	0.237	-0.09	0.0	0.0	25.316	3.95	0.0	0.0	0.0	0
2.14	7.0	0.217	-0.08	0.0	0.0	32.258	3.1	0.0	0.0	0.0	0
2.16	11.0	0.247	0.84	0.0	0.0	44.534	2.245	0.0	0.0	0.0	0
2.18	15.0	0.276	1.01	0.0	0.0	54.348	1.84	0.0	0.0	0.0	0
2.20	17.0	0.252	0.21	0.0	0.0	67.46	1.482	0.0	0.0	0.0	0
2.22	15.0	0.249	0.03	0.0	0.0	60.241	1.66	0.0	0.0	0.0	0
2.24	12.0	0.243	0.02	0.0	0.0	49.383	2.025	0.0	0.0	0.0	0
2.26	10.0	0.258	0.00	0.0	0.0	38.76	2.58	0.0	0.0	0.0	0
2.28	8.0	0.248	0.00	0.0	0.0	32.258	3.1	0.0	0.0	0.0	0
2.30	7.0	0.236	0.00	0.0	0.0	29.661	3.371	0.0	0.0	0.0	0
2.32	7.0	0.209	0.02	0.0	0.0	33.493	2.986	0.0	0.0	0.0	0
2.34	7.0	0.185	0.03	0.0	0.0	37.838	2.643	0.0	0.0	0.0	0
2.36	7.0	0.182	0.03	0.0	0.0	38.462	2.6	0.0	0.0	0.0	0
2.38	6.0	0.184	0.03	0.0	0.0	32.609	3.067	0.0	0.0	0.0	0
2.40	6.0	0.162	0.04	0.0	0.0	37.037	2.7	0.0	0.0	0.0	0
2.42	6.0	0.152	0.04	0.0	0.0	39.474	2.533	0.0	0.0	0.0	0
2.44	6.0	0.16	0.06	0.0	0.0	37.5	2.667	0.0	0.0	0.0	0
2.46	7.0	0.159	0.08	0.0	0.0	44.025	2.271	0.0	0.0	0.0	0
2.48	11.0	0.182	0.11	0.0	0.0	60.44	1.655	0.0	0.0	0.0	0
2.50	15.0	0.196	0.15	0.0	0.0	76.531	1.307	0.0	0.0	0.0	0
2.52	17.0	0.217	0.07	0.0	0.0	78.341	1.276	0.0	0.0	0.0	0
2.54	17.0	0.223	0.03	0.0	0.0	76.233	1.312	0.0	0.0	0.0	0
2.56	16.0	0.213	-0.02	0.0	0.0	75.117	1.331	0.0	0.0	0.0	0
2.58	16.0	0.224	-0.07	0.0	0.0	71.429	1.4	0.0	0.0	0.0	0
2.60	16.0	0.255	-0.09	0.0	0.0	62.745	1.594	0.0	0.0	0.0	0
2.62	17.0	0.292	-0.11	0.0	0.0	58.219	1.718	0.0	0.0	0.0	0
2.64	17.0	0.264	-0.13	0.0	0.0	64.394	1.553	0.0	0.0	0.0	0

2.66	16.0	0.221	-0.16	0.0	0.0	72.398	1.381	0.0	0.0	0.0	0
2.68	15.0	0.218	-0.15	0.0	0.0	68.807	1.453	0.0	0.0	0.0	0
2.70	14.0	0.188	-0.15	0.0	0.0	74.468	1.343	0.0	0.0	0.0	0
2.72	13.0	0.196	-0.17	0.0	0.0	66.327	1.508	0.0	0.0	0.0	0
2.74	11.0	0.18	-0.20	0.0	0.0	61.111	1.636	0.0	0.0	0.0	0
2.76	9.0	0.157	-0.21	0.0	0.0	57.325	1.744	0.0	0.0	0.0	0
2.78	9.0	0.179	-0.20	0.0	0.0	50.279	1.989	0.0	0.0	0.0	0
2.80	13.0	0.202	-0.17	0.0	0.0	64.356	1.554	0.0	0.0	0.0	0
2.82	19.0	0.228	-0.16	0.0	0.0	83.333	1.2	0.0	0.0	0.0	0
2.84	22.0	0.296	-0.15	0.0	0.0	74.324	1.345	0.0	0.0	0.0	0
2.86	22.0	0.31	-0.16	0.0	0.0	70.968	1.409	0.0	0.0	0.0	0
2.88	20.0	0.286	-0.17	0.0	0.0	69.93	1.43	0.0	0.0	0.0	0
2.90	18.0	0.23	-0.17	0.0	0.0	78.261	1.278	0.0	0.0	0.0	0
2.92	17.0	0.19	-0.17	0.0	0.0	89.474	1.118	0.0	0.0	0.0	0
2.94	20.0	0.21	-0.15	0.0	0.0	95.238	1.05	0.0	0.0	0.0	0
2.96	23.0	0.246	-0.13	0.0	0.0	93.496	1.07	0.0	0.0	0.0	0
2.98	26.0	0.28	-0.16	0.0	0.0	92.857	1.077	0.0	0.0	0.0	0
3.00	26.0	0.325	-0.17	0.0	0.0	80.0	1.25	0.0	0.0	0.0	0
3.02	24.0	0.322	-0.19	0.0	0.0	74.534	1.342	0.0	0.0	0.0	0
3.04	22.0	0.295	-0.20	0.0	0.0	74.576	1.341	0.0	0.0	0.0	0
3.06	20.0	0.247	-0.20	0.0	0.0	80.972	1.235	0.0	0.0	0.0	0
3.08	18.0	0.203	-0.20	0.0	0.0	88.67	1.128	0.0	0.0	0.0	0
3.10	12.0	0.269	-0.16	0.0	0.0	44.61	2.242	0.0	0.0	0.0	0
3.12	10.0	0.269	-0.16	0.0	0.0	37.175	2.69	0.0	0.0	0.0	0
3.14	10.0	0.32	-0.16	0.0	0.0	31.25	3.2	0.0	0.0	0.0	0
3.16	10.0	0.351	-0.16	0.0	0.0	28.49	3.51	0.0	0.0	0.0	0
3.18	12.0	0.358	-0.12	0.0	0.0	33.52	2.983	0.0	0.0	0.0	0
3.20	14.0	0.365	-0.12	0.0	0.0	38.356	2.607	0.0	0.0	0.0	0
3.22	14.0	0.396	-0.12	0.0	0.0	35.354	2.829	0.0	0.0	0.0	0
3.24	14.0	0.39	-0.13	0.0	0.0	35.897	2.786	0.0	0.0	0.0	0
3.26	12.0	0.37	-0.13	0.0	0.0	32.432	3.083	0.0	0.0	0.0	0
3.28	10.0	0.362	-0.15	0.0	0.0	27.624	3.62	0.0	0.0	0.0	0
3.30	8.0	0.278	-0.16	0.0	0.0	28.777	3.475	0.0	0.0	0.0	0
3.32	6.0	0.233	-0.16	0.0	0.0	25.751	3.883	0.0	0.0	0.0	0
3.34	5.0	0.223	-0.17	0.0	0.0	22.422	4.46	0.0	0.0	0.0	0
3.36	5.0	0.224	-0.15	0.0	0.0	22.321	4.48	0.0	0.0	0.0	0
3.38	5.0	0.185	-0.13	0.0	0.0	27.027	3.7	0.0	0.0	0.0	0
3.40	5.0	0.174	-0.11	0.0	0.0	28.736	3.48	0.0	0.0	0.0	0
3.42	5.0	0.149	-0.11	0.0	0.0	33.557	2.98	0.0	0.0	0.0	0
3.44	5.0	0.146	-0.08	0.0	0.0	34.247	2.92	0.0	0.0	0.0	0
3.46	5.0	0.134	-0.07	0.0	0.0	37.313	2.68	0.0	0.0	0.0	0
3.48	5.0	0.14	-0.05	0.0	0.0	35.714	2.8	0.0	0.0	0.0	0
3.50	5.0	0.142	-0.05	0.0	0.0	35.211	2.84	0.0	0.0	0.0	0
3.52	5.0	0.161	-0.05	0.0	0.0	31.056	3.22	0.0	0.0	0.0	0
3.54	4.0	0.19	-0.05	0.0	0.0	21.053	4.75	0.0	0.0	0.0	0
3.56	4.0	0.209	-0.05	0.0	0.0	19.139	5.225	0.0	0.0	0.0	0
3.58	4.0	0.211	-0.05	0.0	0.0	18.957	5.275	0.0	0.0	0.0	0
3.60	4.0	0.226	-0.05	0.0	0.0	17.699	5.65	0.0	0.0	0.0	0
3.62	4.0	0.232	-0.04	0.0	0.0	17.241	5.8	0.0	0.0	0.0	0
3.64	5.0	0.23	-0.02	0.0	0.0	21.739	4.6	0.0	0.0	0.0	0
3.66	7.0	0.232	0.00	0.0	0.0	30.172	3.314	0.0	0.0	0.0	0
3.68	9.0	0.221	0.00	0.0	0.0	40.724	2.456	0.0	0.0	0.0	0
3.70	8.0	0.235	-0.01	0.0	0.0	34.043	2.938	0.0	0.0	0.0	0
3.72	7.0	0.248	-0.04	0.0	0.0	28.226	3.543	0.0	0.0	0.0	0
3.74	6.0	0.244	-0.05	0.0	0.0	24.59	4.067	0.0	0.0	0.0	0
3.76	5.0	0.224	-0.02	0.0	0.0	22.321	4.48	0.0	0.0	0.0	0
3.78	5.0	0.212	-0.01	0.0	0.0	23.585	4.24	0.0	0.0	0.0	0
3.80	5.0	0.207	-0.01	0.0	0.0	24.155	4.14	0.0	0.0	0.0	0
3.82	5.0	0.202	0.00	0.0	0.0	24.752	4.04	0.0	0.0	0.0	0
3.84	5.0	0.195	0.02	0.0	0.0	25.641	3.9	0.0	0.0	0.0	0
3.86	5.0	0.19	0.02	0.0	0.0	26.316	3.8	0.0	0.0	0.0	0
3.88	5.0	0.168	0.02	0.0	0.0	29.762	3.36	0.0	0.0	0.0	0
3.90	5.0	0.136	0.10	0.0	0.0	36.765	2.72	0.0	0.0	0.0	0
3.92	5.0	0.125	0.22	0.0	0.0	40.0	2.5	0.0	0.0	0.0	0
3.94	5.0	0.122	0.25	0.0	0.0	40.984	2.44	0.0	0.0	0.0	0
3.96	5.0	0.13	0.27	0.0	0.0	38.462	2.6	0.0	0.0	0.0	0
3.98	5.0	0.127	0.30	0.0	0.0	39.37	2.54	0.0	0.0	0.0	0
4.00	6.0	0.13	0.32	0.0	0.0	46.154	2.167	0.0	0.0	0.0	0
4.02	6.0	0.137	0.33	0.0	0.0	43.796	2.283	0.0	0.0	0.0	0
4.04	6.0	0.142	0.34	0.0	0.0	42.254	2.367	0.0	0.0	0.0	0

4.06	6.0	0.147	0.37	0.0	0.0	40.816	2.45	0.0	0.0	0.0	0
4.08	7.0	0.191	1.06	0.0	0.0	36.649	2.729	0.0	0.0	0.0	0
4.10	7.0	0.216	1.05	0.0	0.0	32.407	3.086	0.0	0.0	0.0	0
4.12	7.0	0.227	1.05	0.0	0.0	30.837	3.243	0.0	0.0	0.0	0
4.14	7.0	0.244	1.03	0.0	0.0	28.689	3.486	0.0	0.0	0.0	0
4.16	7.0	0.256	0.97	0.0	0.0	27.344	3.657	0.0	0.0	0.0	0
4.18	6.0	0.283	0.90	0.0	0.0	21.201	4.717	0.0	0.0	0.0	0
4.20	6.0	0.322	0.87	0.0	0.0	18.634	5.367	0.0	0.0	0.0	0
4.22	6.0	0.326	0.84	0.0	0.0	18.405	5.433	0.0	0.0	0.0	0
4.24	5.0	0.333	0.84	0.0	0.0	15.015	6.66	0.0	0.0	0.0	0
4.26	5.0	0.325	0.86	0.0	0.0	15.385	6.5	0.0	0.0	0.0	0
4.28	5.0	0.291	0.88	0.0	0.0	17.182	5.82	0.0	0.0	0.0	0
4.30	5.0	0.254	0.74	0.0	0.0	19.685	5.08	0.0	0.0	0.0	0
4.32	5.0	0.226	0.74	0.0	0.0	22.124	4.52	0.0	0.0	0.0	0
4.34	5.0	0.2	0.74	0.0	0.0	25.0	4.0	0.0	0.0	0.0	0
4.36	4.0	0.197	0.72	0.0	0.0	20.305	4.925	0.0	0.0	0.0	0
4.38	4.0	0.19	0.71	0.0	0.0	21.053	4.75	0.0	0.0	0.0	0
4.40	4.0	0.184	0.71	0.0	0.0	21.739	4.6	0.0	0.0	0.0	0
4.42	4.0	0.183	0.72	0.0	0.0	21.858	4.575	0.0	0.0	0.0	0
4.44	5.0	0.167	0.76	0.0	0.0	29.94	3.34	0.0	0.0	0.0	0
4.46	5.0	0.143	0.79	0.0	0.0	34.965	2.86	0.0	0.0	0.0	0
4.48	5.0	0.14	0.84	0.0	0.0	35.714	2.8	0.0	0.0	0.0	0
4.50	5.0	0.143	0.87	0.0	0.0	34.965	2.86	0.0	0.0	0.0	0
4.52	6.0	0.162	0.86	0.0	0.0	37.037	2.7	0.0	0.0	0.0	0
4.54	6.0	0.187	0.87	0.0	0.0	32.086	3.117	0.0	0.0	0.0	0
4.56	6.0	0.234	0.86	0.0	0.0	25.641	3.9	0.0	0.0	0.0	0
4.58	7.0	0.287	0.84	0.0	0.0	24.39	4.1	0.0	0.0	0.0	0
4.60	7.0	0.333	0.94	0.0	0.0	21.021	4.757	0.0	0.0	0.0	0
4.62	8.0	0.373	1.07	0.0	0.0	21.448	4.663	0.0	0.0	0.0	0
4.64	8.0	0.373	1.06	0.0	0.0	21.448	4.663	0.0	0.0	0.0	0
4.66	8.0	0.382	1.02	0.0	0.0	20.942	4.775	0.0	0.0	0.0	0
4.68	8.0	0.414	1.02	0.0	0.0	19.324	5.175	0.0	0.0	0.0	0
4.70	8.0	0.42	1.02	0.0	0.0	19.048	5.25	0.0	0.0	0.0	0
4.72	8.0	0.428	1.05	0.0	0.0	18.692	5.35	0.0	0.0	0.0	0
4.74	9.0	0.404	1.05	0.0	0.0	22.277	4.489	0.0	0.0	0.0	0
4.76	9.0	0.417	1.02	0.0	0.0	21.583	4.633	0.0	0.0	0.0	0
4.78	9.0	0.43	0.99	0.0	0.0	20.93	4.778	0.0	0.0	0.0	0
4.80	9.0	0.421	0.98	0.0	0.0	21.378	4.678	0.0	0.0	0.0	0
4.82	9.0	0.447	0.95	0.0	0.0	20.134	4.967	0.0	0.0	0.0	0
4.84	9.0	0.474	0.97	0.0	0.0	18.987	5.267	0.0	0.0	0.0	0
4.86	8.0	0.492	1.10	0.0	0.0	16.26	6.15	0.0	0.0	0.0	0
4.88	8.0	0.477	1.12	0.0	0.0	16.771	5.963	0.0	0.0	0.0	0
4.90	9.0	0.466	1.09	0.0	0.0	19.313	5.178	0.0	0.0	0.0	0
4.92	9.0	0.482	1.13	0.0	0.0	18.672	5.356	0.0	0.0	0.0	0
4.94	9.0	0.477	1.10	0.0	0.0	18.868	5.3	0.0	0.0	0.0	0
4.96	9.0	0.473	1.05	0.0	0.0	19.027	5.256	0.0	0.0	0.0	0
4.98	9.0	0.486	1.01	0.0	0.0	18.519	5.4	0.0	0.0	0.0	0
5.00	9.0	0.512	1.02	0.0	0.0	17.578	5.689	0.0	0.0	0.0	0
5.02	9.0	0.531	1.02	0.0	0.0	16.949	5.9	0.0	0.0	0.0	0
5.04	10.0	0.547	0.98	0.0	0.0	18.282	5.47	0.0	0.0	0.0	0
5.06	10.0	0.53	0.97	0.0	0.0	18.868	5.3	0.0	0.0	0.0	0
5.08	10.0	0.525	0.90	0.0	0.0	19.048	5.25	0.0	0.0	0.0	0
5.10	9.0	0.523	0.83	0.0	0.0	17.208	5.811	0.0	0.0	0.0	0
5.12	9.0	0.534	0.79	0.0	0.0	16.854	5.933	0.0	0.0	0.0	0
5.14	9.0	0.557	0.78	0.0	0.0	16.158	6.189	0.0	0.0	0.0	0
5.16	9.0	0.564	0.82	0.0	0.0	15.957	6.267	0.0	0.0	0.0	0
5.18	9.0	0.535	0.80	0.0	0.0	16.822	5.944	0.0	0.0	0.0	0
5.20	9.0	0.528	0.79	0.0	0.0	17.045	5.867	0.0	0.0	0.0	0
5.22	8.0	0.533	0.78	0.0	0.0	15.009	6.663	0.0	0.0	0.0	0
5.24	8.0	0.531	0.76	0.0	0.0	15.066	6.638	0.0	0.0	0.0	0
5.26	8.0	0.505	0.75	0.0	0.0	15.842	6.313	0.0	0.0	0.0	0
5.28	8.0	0.486	0.74	0.0	0.0	16.461	6.075	0.0	0.0	0.0	0
5.30	8.0	0.493	0.74	0.0	0.0	16.227	6.163	0.0	0.0	0.0	0
5.32	8.0	0.497	0.74	0.0	0.0	16.097	6.213	0.0	0.0	0.0	0
5.34	8.0	0.477	0.74	0.0	0.0	16.771	5.963	0.0	0.0	0.0	0
5.36	9.0	0.477	0.75	0.0	0.0	18.868	5.3	0.0	0.0	0.0	0
5.38	9.0	0.463	0.74	0.0	0.0	19.438	5.144	0.0	0.0	0.0	0
5.40	9.0	0.467	0.74	0.0	0.0	19.272	5.189	0.0	0.0	0.0	0
5.42	9.0	0.467	0.74	0.0	0.0	19.272	5.189	0.0	0.0	0.0	0
5.44	8.0	0.48	0.72	0.0	0.0	16.667	6.0	0.0	0.0	0.0	0

5.46	8.0	0.474	0.71	0.0	0.0	16.878	5.925	0.0	0.0	0.0	0
5.48	8.0	0.478	0.71	0.0	0.0	16.736	5.975	0.0	0.0	0.0	0
5.50	7.0	0.468	0.71	0.0	0.0	14.957	6.686	0.0	0.0	0.0	0
5.52	7.0	0.472	0.71	0.0	0.0	14.831	6.743	0.0	0.0	0.0	0
5.54	7.0	0.437	0.72	0.0	0.0	16.018	6.243	0.0	0.0	0.0	0
5.56	7.0	0.406	0.72	0.0	0.0	17.241	5.8	0.0	0.0	0.0	0
5.58	8.0	0.386	0.72	0.0	0.0	20.725	4.825	0.0	0.0	0.0	0
5.60	7.0	0.37	0.72	0.0	0.0	18.919	5.286	0.0	0.0	0.0	0
5.62	8.0	0.371	0.74	0.0	0.0	21.563	4.638	0.0	0.0	0.0	0
5.64	8.0	0.365	0.74	0.0	0.0	21.918	4.563	0.0	0.0	0.0	0
5.66	8.0	0.351	0.74	0.0	0.0	22.792	4.388	0.0	0.0	0.0	0
5.68	8.0	0.368	1.25	0.0	0.0	21.739	4.6	0.0	0.0	0.0	0
5.70	8.0	0.393	1.24	0.0	0.0	20.356	4.913	0.0	0.0	0.0	0
5.72	8.0	0.417	1.21	0.0	0.0	19.185	5.213	0.0	0.0	0.0	0
5.74	8.0	0.421	1.18	0.0	0.0	19.002	5.263	0.0	0.0	0.0	0
5.76	8.0	0.417	1.18	0.0	0.0	19.185	5.213	0.0	0.0	0.0	0
5.78	8.0	0.436	1.17	0.0	0.0	18.349	5.45	0.0	0.0	0.0	0
5.80	7.0	0.448	1.16	0.0	0.0	15.625	6.4	0.0	0.0	0.0	0
5.82	7.0	0.437	1.16	0.0	0.0	16.018	6.243	0.0	0.0	0.0	0
5.84	7.0	0.421	1.13	0.0	0.0	16.627	6.014	0.0	0.0	0.0	0
5.86	7.0	0.413	1.13	0.0	0.0	16.949	5.9	0.0	0.0	0.0	0
5.88	7.0	0.404	1.13	0.0	0.0	17.327	5.771	0.0	0.0	0.0	0
5.90	7.0	0.374	1.12	0.0	0.0	18.717	5.343	0.0	0.0	0.0	0
5.92	7.0	0.365	1.13	0.0	0.0	19.178	5.214	0.0	0.0	0.0	0
5.94	7.0	0.355	1.13	0.0	0.0	19.718	5.071	0.0	0.0	0.0	0
5.96	7.0	0.364	1.13	0.0	0.0	19.231	5.2	0.0	0.0	0.0	0
5.98	7.0	0.371	1.12	0.0	0.0	18.868	5.3	0.0	0.0	0.0	0
6.00	7.0	0.39	1.10	0.0	0.0	17.949	5.571	0.0	0.0	0.0	0
6.02	8.0	0.444	1.10	0.0	0.0	18.018	5.55	0.0	0.0	0.0	0
6.04	8.0	0.439	1.10	0.0	0.0	18.223	5.488	0.0	0.0	0.0	0
6.06	8.0	0.432	1.10	0.0	0.0	18.519	5.4	0.0	0.0	0.0	0
6.08	8.0	0.433	1.09	0.0	0.0	18.476	5.413	0.0	0.0	0.0	0
6.10	8.0	0.443	1.09	0.0	0.0	18.059	5.538	0.0	0.0	0.0	0
6.12	9.0	0.441	1.09	0.0	0.0	20.408	4.9	0.0	0.0	0.0	0
6.14	9.0	0.443	1.10	0.0	0.0	20.316	4.922	0.0	0.0	0.0	0
6.16	9.0	0.439	1.09	0.0	0.0	20.501	4.878	0.0	0.0	0.0	0
6.18	9.0	0.448	1.09	0.0	0.0	20.089	4.978	0.0	0.0	0.0	0
6.20	9.0	0.46	1.07	0.0	0.0	19.565	5.111	0.0	0.0	0.0	0
6.22	9.0	0.466	1.07	0.0	0.0	19.313	5.178	0.0	0.0	0.0	0
6.24	8.0	0.448	1.06	0.0	0.0	17.857	5.6	0.0	0.0	0.0	0
6.26	8.0	0.444	1.06	0.0	0.0	18.018	5.55	0.0	0.0	0.0	0
6.28	8.0	0.448	1.03	0.0	0.0	17.857	5.6	0.0	0.0	0.0	0
6.30	8.0	0.473	1.01	0.0	0.0	16.913	5.913	0.0	0.0	0.0	0
6.32	7.0	0.481	0.99	0.0	0.0	14.553	6.871	0.0	0.0	0.0	0
6.34	7.0	0.484	0.98	0.0	0.0	14.463	6.914	0.0	0.0	0.0	0
6.36	7.0	0.499	0.98	0.0	0.0	14.028	7.129	0.0	0.0	0.0	0
6.38	7.0	0.486	0.98	0.0	0.0	14.403	6.943	0.0	0.0	0.0	0
6.40	7.0	0.454	0.97	0.0	0.0	15.419	6.486	0.0	0.0	0.0	0
6.42	7.0	0.43	0.95	0.0	0.0	16.279	6.143	0.0	0.0	0.0	0
6.44	7.0	0.404	0.95	0.0	0.0	17.327	5.771	0.0	0.0	0.0	0
6.46	7.0	0.382	0.95	0.0	0.0	18.325	5.457	0.0	0.0	0.0	0
6.48	7.0	0.363	0.94	0.0	0.0	19.284	5.186	0.0	0.0	0.0	0
6.50	7.0	0.369	0.93	0.0	0.0	18.97	5.271	0.0	0.0	0.0	0
6.52	6.0	0.378	0.93	0.0	0.0	15.873	6.3	0.0	0.0	0.0	0
6.54	6.0	0.369	0.94	0.0	0.0	16.26	6.15	0.0	0.0	0.0	0
6.56	7.0	0.358	0.97	0.0	0.0	19.553	5.114	0.0	0.0	0.0	0
6.58	7.0	0.355	0.98	0.0	0.0	19.718	5.071	0.0	0.0	0.0	0
6.60	8.0	0.345	0.98	0.0	0.0	23.188	4.313	0.0	0.0	0.0	0
6.62	7.0	0.355	0.97	0.0	0.0	19.718	5.071	0.0	0.0	0.0	0
6.64	7.0	0.356	0.95	0.0	0.0	19.663	5.086	0.0	0.0	0.0	0
6.66	7.0	0.355	0.95	0.0	0.0	19.718	5.071	0.0	0.0	0.0	0
6.68	7.0	0.361	0.95	0.0	0.0	19.391	5.157	0.0	0.0	0.0	0
6.70	8.0	0.355	0.95	0.0	0.0	22.535	4.438	0.0	0.0	0.0	0
6.72	7.0	0.362	0.95	0.0	0.0	19.337	5.171	0.0	0.0	0.0	0
6.74	8.0	0.374	0.95	0.0	0.0	21.39	4.675	0.0	0.0	0.0	0
6.76	7.0	0.399	0.94	0.0	0.0	17.544	5.7	0.0	0.0	0.0	0
6.78	7.0	0.411	0.94	0.0	0.0	17.032	5.871	0.0	0.0	0.0	0
6.80	7.0	0.419	0.94	0.0	0.0	16.706	5.986	0.0	0.0	0.0	0
6.82	7.0	0.433	0.93	0.0	0.0	16.166	6.186	0.0	0.0	0.0	0
6.84	7.0	0.45	0.94	0.0	0.0	15.556	6.429	0.0	0.0	0.0	0

6.86	8.0	0.453	0.93	0.0	0.0	17.66	5.663	0.0	0.0	0.0	0
6.88	8.0	0.461	0.93	0.0	0.0	17.354	5.763	0.0	0.0	0.0	0
6.90	8.0	0.455	0.91	0.0	0.0	17.582	5.688	0.0	0.0	0.0	0
6.92	7.0	0.453	0.91	0.0	0.0	15.453	6.471	0.0	0.0	0.0	0
6.94	7.0	0.478	0.90	0.0	0.0	14.644	6.829	0.0	0.0	0.0	0
6.96	7.0	0.503	0.88	0.0	0.0	13.917	7.186	0.0	0.0	0.0	0
6.98	7.0	0.531	0.90	0.0	0.0	13.183	7.586	0.0	0.0	0.0	0
7.00	7.0	0.528	0.90	0.0	0.0	13.258	7.543	0.0	0.0	0.0	0
7.02	7.0	0.521	0.90	0.0	0.0	13.436	7.443	0.0	0.0	0.0	0
7.04	7.0	0.511	0.90	0.0	0.0	13.699	7.3	0.0	0.0	0.0	0
7.06	8.0	0.49	0.90	0.0	0.0	16.327	6.125	0.0	0.0	0.0	0
7.08	8.0	0.473	0.90	0.0	0.0	16.913	5.913	0.0	0.0	0.0	0
7.10	8.0	0.456	0.91	0.0	0.0	17.544	5.7	0.0	0.0	0.0	0
7.12	8.0	0.436	0.91	0.0	0.0	18.349	5.45	0.0	0.0	0.0	0
7.14	8.0	0.42	0.91	0.0	0.0	19.048	5.25	0.0	0.0	0.0	0
7.16	9.0	0.405	0.91	0.0	0.0	22.222	4.5	0.0	0.0	0.0	0
7.18	9.0	0.407	0.93	0.0	0.0	22.113	4.522	0.0	0.0	0.0	0
7.20	9.0	0.411	0.94	0.0	0.0	21.898	4.567	0.0	0.0	0.0	0
7.22	9.0	0.407	0.93	0.0	0.0	22.113	4.522	0.0	0.0	0.0	0
7.24	8.0	0.415	0.91	0.0	0.0	19.277	5.188	0.0	0.0	0.0	0
7.26	8.0	0.431	0.90	0.0	0.0	18.561	5.388	0.0	0.0	0.0	0
7.28	8.0	0.442	0.88	0.0	0.0	18.1	5.525	0.0	0.0	0.0	0
7.30	8.0	0.448	0.88	0.0	0.0	17.857	5.6	0.0	0.0	0.0	0
7.32	7.0	0.45	0.88	0.0	0.0	15.556	6.429	0.0	0.0	0.0	0
7.34	8.0	0.436	0.87	0.0	0.0	18.349	5.45	0.0	0.0	0.0	0
7.36	7.0	0.45	0.86	0.0	0.0	15.556	6.429	0.0	0.0	0.0	0
7.38	7.0	0.454	0.86	0.0	0.0	15.419	6.486	0.0	0.0	0.0	0
7.40	7.0	0.472	0.84	0.0	0.0	14.831	6.743	0.0	0.0	0.0	0
7.42	7.0	0.478	0.84	0.0	0.0	14.644	6.829	0.0	0.0	0.0	0
7.44	7.0	0.463	0.84	0.0	0.0	15.119	6.614	0.0	0.0	0.0	0
7.46	7.0	0.449	0.84	0.0	0.0	15.59	6.414	0.0	0.0	0.0	0
7.48	7.0	0.444	0.84	0.0	0.0	15.766	6.343	0.0	0.0	0.0	0
7.50	7.0	0.426	0.84	0.0	0.0	16.432	6.086	0.0	0.0	0.0	0
7.52	7.0	0.396	0.84	0.0	0.0	17.677	5.657	0.0	0.0	0.0	0
7.54	7.0	0.373	0.84	0.0	0.0	18.767	5.329	0.0	0.0	0.0	0
7.56	7.0	0.362	0.83	0.0	0.0	19.337	5.171	0.0	0.0	0.0	0
7.58	6.0	0.377	0.83	0.0	0.0	15.915	6.283	0.0	0.0	0.0	0
7.60	6.0	0.378	0.82	0.0	0.0	15.873	6.3	0.0	0.0	0.0	0
7.62	6.0	0.382	0.82	0.0	0.0	15.707	6.367	0.0	0.0	0.0	0
7.64	6.0	0.396	0.82	0.0	0.0	15.152	6.6	0.0	0.0	0.0	0
7.66	6.0	0.399	0.82	0.0	0.0	15.038	6.65	0.0	0.0	0.0	0
7.68	6.0	0.387	0.80	0.0	0.0	15.504	6.45	0.0	0.0	0.0	0
7.70	6.0	0.376	0.80	0.0	0.0	15.957	6.267	0.0	0.0	0.0	0
7.72	6.0	0.364	0.80	0.0	0.0	16.484	6.067	0.0	0.0	0.0	0
7.74	6.0	0.353	0.80	0.0	0.0	16.997	5.883	0.0	0.0	0.0	0
7.76	6.0	0.327	0.82	0.0	0.0	18.349	5.45	0.0	0.0	0.0	0
7.78	6.0	0.308	0.82	0.0	0.0	19.481	5.133	0.0	0.0	0.0	0
7.80	6.0	0.294	0.82	0.0	0.0	20.408	4.9	0.0	0.0	0.0	0
7.82	6.0	0.288	0.82	0.0	0.0	20.833	4.8	0.0	0.0	0.0	0
7.84	6.0	0.282	0.82	0.0	0.0	21.277	4.7	0.0	0.0	0.0	0
7.86	6.0	0.284	0.83	0.0	0.0	21.127	4.733	0.0	0.0	0.0	0
7.88	6.0	0.291	0.83	0.0	0.0	20.619	4.85	0.0	0.0	0.0	0
7.90	7.0	0.308	0.83	0.0	0.0	22.727	4.4	0.0	0.0	0.0	0
7.92	7.0	0.328	0.84	0.0	0.0	21.341	4.686	0.0	0.0	0.0	0
7.94	7.0	0.338	0.84	0.0	0.0	20.71	4.829	0.0	0.0	0.0	0
7.96	7.0	0.359	0.88	0.0	0.0	19.499	5.129	0.0	0.0	0.0	0
7.98	7.0	0.361	0.88	0.0	0.0	19.391	5.157	0.0	0.0	0.0	0
8.00	7.0	0.352	0.90	0.0	0.0	19.886	5.029	0.0	0.0	0.0	0
8.02	7.0	0.349	0.90	0.0	0.0	20.057	4.986	0.0	0.0	0.0	0
8.04	6.0	0.335	0.90	0.0	0.0	17.91	5.583	0.0	0.0	0.0	0
8.06	6.0	0.327	0.97	0.0	0.0	18.349	5.45	0.0	0.0	0.0	0
8.08	6.0	0.308	0.98	0.0	0.0	19.481	5.133	0.0	0.0	0.0	0
8.10	6.0	0.292	0.98	0.0	0.0	20.548	4.867	0.0	0.0	0.0	0
8.12	6.0	0.29	0.98	0.0	0.0	20.69	4.833	0.0	0.0	0.0	0
8.14	7.0	0.28	1.03	0.0	0.0	25.0	4.0	0.0	0.0	0.0	0
8.16	9.0	0.272	1.10	0.0	0.0	33.088	3.022	0.0	0.0	0.0	0
8.18	9.0	0.248	1.12	0.0	0.0	36.29	2.756	0.0	0.0	0.0	0
8.20	7.0	0.27	1.05	0.0	0.0	25.926	3.857	0.0	0.0	0.0	0
8.22	5.0	0.326	0.99	0.0	0.0	15.337	6.52	0.0	0.0	0.0	0
8.24	5.0	0.322	0.99	0.0	0.0	15.528	6.44	0.0	0.0	0.0	0

8.26	5.0	0.316	0.99	0.0	0.0	15.823	6.32	0.0	0.0	0.0	0
8.28	5.0	0.314	0.99	0.0	0.0	15.924	6.28	0.0	0.0	0.0	0
8.30	5.0	0.309	1.01	0.0	0.0	16.181	6.18	0.0	0.0	0.0	0
8.32	5.0	0.297	1.01	0.0	0.0	16.835	5.94	0.0	0.0	0.0	0
8.34	5.0	0.249	1.01	0.0	0.0	20.08	4.98	0.0	0.0	0.0	0
8.36	5.0	0.215	1.01	0.0	0.0	23.256	4.3	0.0	0.0	0.0	0
8.38	5.0	0.21	1.02	0.0	0.0	23.81	4.2	0.0	0.0	0.0	0
8.40	5.0	0.209	1.02	0.0	0.0	23.923	4.18	0.0	0.0	0.0	0
8.42	5.0	0.208	1.02	0.0	0.0	24.038	4.16	0.0	0.0	0.0	0
8.44	5.0	0.21	1.03	0.0	0.0	23.81	4.2	0.0	0.0	0.0	0
8.46	5.0	0.212	1.14	0.0	0.0	23.585	4.24	0.0	0.0	0.0	0
8.48	5.0	0.212	1.20	0.0	0.0	23.585	4.24	0.0	0.0	0.0	0
8.50	5.0	0.21	1.21	0.0	0.0	23.81	4.2	0.0	0.0	0.0	0
8.52	6.0	0.209	1.22	0.0	0.0	28.708	3.483	0.0	0.0	0.0	0
8.54	6.0	0.216	1.24	0.0	0.0	27.778	3.6	0.0	0.0	0.0	0
8.56	6.0	0.222	1.25	0.0	0.0	27.027	3.7	0.0	0.0	0.0	0
8.58	7.0	0.225	1.25	0.0	0.0	31.111	3.214	0.0	0.0	0.0	0
8.60	7.0	0.246	1.25	0.0	0.0	28.455	3.514	0.0	0.0	0.0	0
8.62	7.0	0.274	1.25	0.0	0.0	25.547	3.914	0.0	0.0	0.0	0
8.64	7.0	0.31	1.25	0.0	0.0	22.581	4.429	0.0	0.0	0.0	0
8.66	7.0	0.353	1.25	0.0	0.0	19.83	5.043	0.0	0.0	0.0	0
8.68	7.0	0.39	1.25	0.0	0.0	17.949	5.571	0.0	0.0	0.0	0
8.70	7.0	0.434	1.25	0.0	0.0	16.129	6.2	0.0	0.0	0.0	0
8.72	7.0	0.467	1.25	0.0	0.0	14.989	6.671	0.0	0.0	0.0	0
8.74	7.0	0.494	1.25	0.0	0.0	14.17	7.057	0.0	0.0	0.0	0
8.76	7.0	0.505	1.25	0.0	0.0	13.861	7.214	0.0	0.0	0.0	0
8.78	8.0	0.494	1.25	0.0	0.0	16.194	6.175	0.0	0.0	0.0	0
8.80	8.0	0.485	1.25	0.0	0.0	16.495	6.063	0.0	0.0	0.0	0
8.82	8.0	0.493	1.25	0.0	0.0	16.227	6.163	0.0	0.0	0.0	0
8.84	8.0	0.507	1.25	0.0	0.0	15.779	6.338	0.0	0.0	0.0	0
8.86	9.0	0.516	1.26	0.0	0.0	17.442	5.733	0.0	0.0	0.0	0
8.88	9.0	0.519	1.28	0.0	0.0	17.341	5.767	0.0	0.0	0.0	0
8.90	10.0	0.537	1.31	0.0	0.0	18.622	5.37	0.0	0.0	0.0	0
8.92	11.0	0.601	1.36	0.0	0.0	18.303	5.464	0.0	0.0	0.0	0
8.94	11.0	0.621	1.39	0.0	0.0	17.713	5.645	0.0	0.0	0.0	0
8.96	12.0	0.647	1.39	0.0	0.0	18.547	5.392	0.0	0.0	0.0	0
8.98	12.0	0.689	1.40	0.0	0.0	17.417	5.742	0.0	0.0	0.0	0
9.00	12.0	0.743	1.41	0.0	0.0	16.151	6.192	0.0	0.0	0.0	0
9.02	12.0	0.75	1.44	0.0	0.0	16.0	6.25	0.0	0.0	0.0	0
9.04	13.0	0.736	1.45	0.0	0.0	17.663	5.662	0.0	0.0	0.0	0
9.06	13.0	0.738	1.45	0.0	0.0	17.615	5.677	0.0	0.0	0.0	0
9.08	13.0	0.738	1.47	0.0	0.0	17.615	5.677	0.0	0.0	0.0	0
9.10	14.0	0.713	1.47	0.0	0.0	19.635	5.093	0.0	0.0	0.0	0
9.12	14.0	0.721	1.48	0.0	0.0	19.417	5.15	0.0	0.0	0.0	0
9.14	14.0	0.725	1.50	0.0	0.0	19.31	5.179	0.0	0.0	0.0	0
9.16	15.0	0.73	1.54	0.0	0.0	20.548	4.867	0.0	0.0	0.0	0
9.18	15.0	0.73	1.54	0.0	0.0	20.548	4.867	0.0	0.0	0.0	0
9.20	16.0	0.724	1.54	0.0	0.0	22.099	4.525	0.0	0.0	0.0	0
9.22	16.0	0.769	1.51	0.0	0.0	20.806	4.806	0.0	0.0	0.0	0
9.24	15.0	0.828	1.51	0.0	0.0	18.116	5.52	0.0	0.0	0.0	0
9.26	15.0	0.855	1.52	0.0	0.0	17.544	5.7	0.0	0.0	0.0	0
9.28	16.0	0.872	1.54	0.0	0.0	18.349	5.45	0.0	0.0	0.0	0
9.30	16.0	0.911	1.52	0.0	0.0	17.563	5.694	0.0	0.0	0.0	0
9.32	15.0	0.972	1.50	0.0	0.0	15.432	6.48	0.0	0.0	0.0	0
9.34	15.0	0.995	1.47	0.0	0.0	15.075	6.633	0.0	0.0	0.0	0
9.36	15.0	1.034	1.43	0.0	0.0	14.507	6.893	0.0	0.0	0.0	0
9.38	14.0	1.075	1.39	0.0	0.0	13.023	7.679	0.0	0.0	0.0	0
9.40	13.0	1.108	1.36	0.0	0.0	11.733	8.523	0.0	0.0	0.0	0
9.42	13.0	1.15	1.35	0.0	0.0	11.304	8.846	0.0	0.0	0.0	0
9.44	13.0	1.175	1.33	0.0	0.0	11.064	9.038	0.0	0.0	0.0	0
9.46	13.0	1.193	1.33	0.0	0.0	10.897	9.177	0.0	0.0	0.0	0
9.48	13.0	1.205	1.33	0.0	0.0	10.788	9.269	0.0	0.0	0.0	0
9.50	13.0	1.188	1.35	0.0	0.0	10.943	9.138	0.0	0.0	0.0	0
9.52	13.0	1.156	1.37	0.0	0.0	11.246	8.892	0.0	0.0	0.0	0
9.54	14.0	1.125	1.39	0.0	0.0	12.444	8.036	0.0	0.0	0.0	0
9.56	14.0	1.088	1.41	0.0	0.0	12.868	7.771	0.0	0.0	0.0	0
9.58	15.0	1.063	1.41	0.0	0.0	14.111	7.087	0.0	0.0	0.0	0
9.60	15.0	1.059	1.43	0.0	0.0	14.164	7.06	0.0	0.0	0.0	0
9.62	15.0	1.082	1.41	0.0	0.0	13.863	7.213	0.0	0.0	0.0	0
9.64	15.0	1.078	1.40	0.0	0.0	13.915	7.187	0.0	0.0	0.0	0

9.66	15.0	1.112	1.39	0.0	0.0	13.489	7.413	0.0	0.0	0.0	0
9.68	15.0	1.151	1.43	0.0	0.0	13.032	7.673	0.0	0.0	0.0	0
9.70	16.0	1.167	1.45	0.0	0.0	13.71	7.294	0.0	0.0	0.0	0
9.72	17.0	1.178	1.45	0.0	0.0	14.431	6.929	0.0	0.0	0.0	0
9.74	17.0	1.19	1.48	0.0	0.0	14.286	7.0	0.0	0.0	0.0	0
9.76	18.0	1.187	1.51	0.0	0.0	15.164	6.594	0.0	0.0	0.0	0
9.78	19.0	1.192	1.50	0.0	0.0	15.94	6.274	0.0	0.0	0.0	0
9.80	18.0	1.219	1.45	0.0	0.0	14.766	6.772	0.0	0.0	0.0	0
9.82	18.0	1.231	1.43	0.0	0.0	14.622	6.839	0.0	0.0	0.0	0
9.84	16.0	1.254	1.33	0.0	0.0	12.759	7.838	0.0	0.0	0.0	0
9.86	15.0	1.262	1.28	0.0	0.0	11.886	8.413	0.0	0.0	0.0	0
9.88	14.0	1.276	1.21	0.0	0.0	10.972	9.114	0.0	0.0	0.0	0
9.90	14.0	1.291	0.97	0.0	0.0	10.844	9.221	0.0	0.0	0.0	0
9.92	13.0	1.258	0.91	0.0	0.0	10.334	9.677	0.0	0.0	0.0	0
9.94	13.0	1.262	0.88	0.0	0.0	10.301	9.708	0.0	0.0	0.0	0
9.96	12.0	1.251	0.88	0.0	0.0	9.592	10.425	0.0	0.0	0.0	0
9.98	12.0	1.221	0.90	0.0	0.0	9.828	10.175	0.0	0.0	0.0	0
10.00	13.0	1.203	0.91	0.0	0.0	10.806	9.254	0.0	0.0	0.0	0
10.02	12.0	1.194	0.91	0.0	0.0	10.05	9.95	0.0	0.0	0.0	0
10.04	13.0	1.194	0.90	0.0	0.0	10.888	9.185	0.0	0.0	0.0	0
10.06	13.0	1.172	0.91	0.0	0.0	11.092	9.015	0.0	0.0	0.0	0
10.08	13.0	1.163	0.93	0.0	0.0	11.178	8.946	0.0	0.0	0.0	0
10.10	13.0	1.155	0.91	0.0	0.0	11.255	8.885	0.0	0.0	0.0	0
10.12	13.0	1.145	0.93	0.0	0.0	11.354	8.808	0.0	0.0	0.0	0
10.14	13.0	1.143	0.91	0.0	0.0	11.374	8.792	0.0	0.0	0.0	0
10.16	13.0	1.143	0.93	0.0	0.0	11.374	8.792	0.0	0.0	0.0	0
10.18	13.0	1.148	0.93	0.0	0.0	11.324	8.831	0.0	0.0	0.0	0
10.20	13.0	1.139	0.94	0.0	0.0	11.414	8.762	0.0	0.0	0.0	0
10.22	14.0	1.122	0.98	0.0	0.0	12.478	8.014	0.0	0.0	0.0	0
10.24	14.0	1.134	0.97	0.0	0.0	12.346	8.1	0.0	0.0	0.0	0
10.26	14.0	1.145	0.95	0.0	0.0	12.227	8.179	0.0	0.0	0.0	0
10.28	14.0	1.135	0.95	0.0	0.0	12.335	8.107	0.0	0.0	0.0	0
10.30	14.0	1.131	0.95	0.0	0.0	12.378	8.079	0.0	0.0	0.0	0
10.32	14.0	1.145	0.95	0.0	0.0	12.227	8.179	0.0	0.0	0.0	0
10.34	14.0	1.163	0.95	0.0	0.0	12.038	8.307	0.0	0.0	0.0	0
10.36	14.0	1.173	0.95	0.0	0.0	11.935	8.379	0.0	0.0	0.0	0
10.38	14.0	1.163	0.97	0.0	0.0	12.038	8.307	0.0	0.0	0.0	0
10.40	15.0	1.151	0.98	0.0	0.0	13.032	7.673	0.0	0.0	0.0	0
10.42	15.0	1.169	0.98	0.0	0.0	12.831	7.793	0.0	0.0	0.0	0
10.44	15.0	1.191	0.99	0.0	0.0	12.594	7.94	0.0	0.0	0.0	0
10.46	15.0	1.2	1.01	0.0	0.0	12.5	8.0	0.0	0.0	0.0	0
10.48	16.0	1.203	1.01	0.0	0.0	13.3	7.519	0.0	0.0	0.0	0
10.50	16.0	1.212	1.01	0.0	0.0	13.201	7.575	0.0	0.0	0.0	0
10.52	16.0	1.235	1.01	0.0	0.0	12.955	7.719	0.0	0.0	0.0	0
10.54	16.0	1.282	1.01	0.0	0.0	12.48	8.013	0.0	0.0	0.0	0
10.56	16.0	1.325	1.02	0.0	0.0	12.075	8.281	0.0	0.0	0.0	0
10.58	17.0	1.363	1.03	0.0	0.0	12.472	8.018	0.0	0.0	0.0	0
10.60	17.0	1.39	1.03	0.0	0.0	12.23	8.176	0.0	0.0	0.0	0
10.62	18.0	1.401	1.05	0.0	0.0	12.848	7.783	0.0	0.0	0.0	0
10.64	17.0	1.435	1.06	0.0	0.0	11.847	8.441	0.0	0.0	0.0	0
10.66	17.0	1.443	1.07	0.0	0.0	11.781	8.488	0.0	0.0	0.0	0
10.68	18.0	1.421	1.09	0.0	0.0	12.667	7.894	0.0	0.0	0.0	0
10.70	19.0	1.377	1.10	0.0	0.0	13.798	7.247	0.0	0.0	0.0	0
10.72	18.0	1.367	1.09	0.0	0.0	13.168	7.594	0.0	0.0	0.0	0
10.74	17.0	1.372	1.07	0.0	0.0	12.391	8.071	0.0	0.0	0.0	0
10.76	16.0	1.377	1.05	0.0	0.0	11.619	8.606	0.0	0.0	0.0	0
10.78	15.0	1.395	1.02	0.0	0.0	10.753	9.3	0.0	0.0	0.0	0
10.80	14.0	1.432	0.98	0.0	0.0	9.777	10.229	0.0	0.0	0.0	0
10.82	13.0	1.432	0.94	0.0	0.0	9.078	11.015	0.0	0.0	0.0	0
10.84	12.0	1.407	0.93	0.0	0.0	8.529	11.725	0.0	0.0	0.0	0
10.86	12.0	1.375	0.90	0.0	0.0	8.727	11.458	0.0	0.0	0.0	0
10.88	13.0	1.142	0.98	0.0	0.0	11.384	8.785	0.0	0.0	0.0	0
10.90	12.0	1.052	0.97	0.0	0.0	11.407	8.767	0.0	0.0	0.0	0
10.92	12.0	0.934	0.97	0.0	0.0	12.848	7.783	0.0	0.0	0.0	0
10.94	12.0	0.804	0.95	0.0	0.0	14.925	6.7	0.0	0.0	0.0	0
10.96	12.0	0.696	0.97	0.0	0.0	17.241	5.8	0.0	0.0	0.0	0
10.98	12.0	0.585	0.97	0.0	0.0	20.513	4.875	0.0	0.0	0.0	0
11.00	13.0	0.504	0.95	0.0	0.0	25.794	3.877	0.0	0.0	0.0	0
11.02	13.0	0.461	0.93	0.0	0.0	28.2	3.546	0.0	0.0	0.0	0
11.04	14.0	0.411	0.91	0.0	0.0	34.063	2.936	0.0	0.0	0.0	0

11.06	16.0	0.392	0.91	0.0	0.0	40.816	2.45	0.0	0.0	0.0	0
11.08	18.0	0.419	0.86	0.0	0.0	42.959	2.328	0.0	0.0	0.0	0
11.10	18.0	0.486	0.45	0.0	0.0	37.037	2.7	0.0	0.0	0.0	0
11.12	18.0	0.524	-0.02	0.0	0.0	34.351	2.911	0.0	0.0	0.0	0
11.14	20.0	0.528	-0.05	0.0	0.0	37.879	2.64	0.0	0.0	0.0	0
11.16	20.0	0.548	-0.08	0.0	0.0	36.496	2.74	0.0	0.0	0.0	0
11.18	20.0	0.547	-0.09	0.0	0.0	36.563	2.735	0.0	0.0	0.0	0
11.20	20.0	0.522	-0.11	0.0	0.0	38.314	2.61	0.0	0.0	0.0	0
11.22	20.0	0.545	-0.11	0.0	0.0	36.697	2.725	0.0	0.0	0.0	0
11.24	22.0	0.585	-0.09	0.0	0.0	37.607	2.659	0.0	0.0	0.0	0
11.26	23.0	0.621	-0.09	0.0	0.0	37.037	2.7	0.0	0.0	0.0	0
11.28	24.0	0.67	-0.09	0.0	0.0	35.821	2.792	0.0	0.0	0.0	0
11.30	26.0	0.671	-0.11	0.0	0.0	38.748	2.581	0.0	0.0	0.0	0
11.32	26.0	0.64	-0.11	0.0	0.0	40.625	2.462	0.0	0.0	0.0	0
11.34	27.0	0.572	-0.11	0.0	0.0	47.203	2.119	0.0	0.0	0.0	0
11.36	28.0	0.533	-0.11	0.0	0.0	52.533	1.904	0.0	0.0	0.0	0
11.38	28.0	0.521	-0.11	0.0	0.0	53.743	1.861	0.0	0.0	0.0	0
11.40	27.0	0.533	-0.11	0.0	0.0	50.657	1.974	0.0	0.0	0.0	0
11.42	29.0	0.613	-0.11	0.0	0.0	47.308	2.114	0.0	0.0	0.0	0
11.44	32.0	0.641	-0.09	0.0	0.0	49.922	2.003	0.0	0.0	0.0	0
11.46	33.0	0.56	-0.08	0.0	0.0	58.929	1.697	0.0	0.0	0.0	0
11.48	32.0	0.523	-0.08	0.0	0.0	61.185	1.634	0.0	0.0	0.0	0
11.50	32.0	0.47	-0.08	0.0	0.0	68.085	1.469	0.0	0.0	0.0	0
11.52	31.0	0.359	-0.09	0.0	0.0	86.351	1.158	0.0	0.0	0.0	0
11.54	29.0	0.266	-0.08	0.0	0.0	109.023	0.917	0.0	0.0	0.0	0
11.56	29.0	0.192	-0.09	0.0	0.0	151.042	0.662	0.0	0.0	0.0	0
11.58	28.0	0.183	-0.09	0.0	0.0	153.005	0.654	0.0	0.0	0.0	0
11.60	27.0	0.196	-0.09	0.0	0.0	137.755	0.726	0.0	0.0	0.0	0
11.62	28.0	0.193	-0.08	0.0	0.0	145.078	0.689	0.0	0.0	0.0	0
11.64	28.0	0.198	-0.08	0.0	0.0	141.414	0.707	0.0	0.0	0.0	0
11.66	27.0	0.255	-0.08	0.0	0.0	105.882	0.944	0.0	0.0	0.0	0
11.68	25.0	0.337	-0.09	0.0	0.0	74.184	1.348	0.0	0.0	0.0	0
11.70	24.0	0.42	-0.11	0.0	0.0	57.143	1.75	0.0	0.0	0.0	0
11.72	26.0	0.523	-0.11	0.0	0.0	49.713	2.012	0.0	0.0	0.0	0
11.74	28.0	0.482	-0.11	0.0	0.0	58.091	1.721	0.0	0.0	0.0	0
11.76	29.0	0.427	-0.11	0.0	0.0	67.916	1.472	0.0	0.0	0.0	0
11.78	30.0	0.411	-0.09	0.0	0.0	72.993	1.37	0.0	0.0	0.0	0
11.80	30.0	0.333	-0.08	0.0	0.0	90.09	1.11	0.0	0.0	0.0	0
11.82	32.0	0.246	-0.08	0.0	0.0	130.081	0.769	0.0	0.0	0.0	0
11.84	34.0	0.255	-0.07	0.0	0.0	133.333	0.75	0.0	0.0	0.0	0
11.86	35.0	0.235	-0.04	0.0	0.0	148.936	0.671	0.0	0.0	0.0	0
11.88	35.0	0.271	-0.09	0.0	0.0	129.151	0.774	0.0	0.0	0.0	0
11.90	36.0	0.274	-0.12	0.0	0.0	131.387	0.761	0.0	0.0	0.0	0
11.92	36.0	0.252	-0.15	0.0	0.0	142.857	0.7	0.0	0.0	0.0	0
11.94	37.0	0.252	-0.16	0.0	0.0	146.825	0.681	0.0	0.0	0.0	0
11.96	37.0	0.228	-0.17	0.0	0.0	162.281	0.616	0.0	0.0	0.0	0
11.98	36.0	0.212	-0.17	0.0	0.0	169.811	0.589	0.0	0.0	0.0	0
12.00	36.0	0.187	-0.17	0.0	0.0	192.513	0.519	0.0	0.0	0.0	0
12.02	37.0	0.148	-0.16	0.0	0.0	250.0	0.4	0.0	0.0	0.0	0
12.04	38.0	0.155	-0.16	0.0	0.0	245.161	0.408	0.0	0.0	0.0	0
12.06	40.0	0.171	-0.16	0.0	0.0	233.918	0.428	0.0	0.0	0.0	0
12.08	41.0	0.199	-0.16	0.0	0.0	206.03	0.485	0.0	0.0	0.0	0
12.10	41.0	0.241	-0.17	0.0	0.0	170.124	0.588	0.0	0.0	0.0	0
12.12	38.0	0.291	-0.20	0.0	0.0	130.584	0.766	0.0	0.0	0.0	0
12.14	35.0	0.34	-0.23	0.0	0.0	102.941	0.971	0.0	0.0	0.0	0
12.16	33.0	0.427	-0.24	0.0	0.0	77.283	1.294	0.0	0.0	0.0	0
12.18	32.0	0.499	-0.26	0.0	0.0	64.128	1.559	0.0	0.0	0.0	0
12.20	31.0	0.58	-0.27	0.0	0.0	53.448	1.871	0.0	0.0	0.0	0
12.22	31.0	0.499	-0.28	0.0	0.0	62.124	1.61	0.0	0.0	0.0	0
12.24	31.0	0.424	-0.30	0.0	0.0	73.113	1.368	0.0	0.0	0.0	0
12.26	30.0	0.365	-0.30	0.0	0.0	82.192	1.217	0.0	0.0	0.0	0
12.28	30.0	0.296	-0.30	0.0	0.0	101.351	0.987	0.0	0.0	0.0	0
12.30	30.0	0.272	-0.30	0.0	0.0	110.294	0.907	0.0	0.0	0.0	0
12.32	31.0	0.247	-0.30	0.0	0.0	125.506	0.797	0.0	0.0	0.0	0
12.34	32.0	0.259	-0.30	0.0	0.0	123.552	0.809	0.0	0.0	0.0	0
12.36	33.0	0.277	-0.28	0.0	0.0	119.134	0.839	0.0	0.0	0.0	0
12.38	34.0	0.286	-0.28	0.0	0.0	118.881	0.841	0.0	0.0	0.0	0
12.40	34.0	0.291	-0.30	0.0	0.0	116.838	0.856	0.0	0.0	0.0	0
12.42	33.0	0.317	-0.30	0.0	0.0	104.101	0.961	0.0	0.0	0.0	0
12.44	33.0	0.335	-0.31	0.0	0.0	98.507	1.015	0.0	0.0	0.0	0

12.46	32.0	0.351	-0.31	0.0	0.0	91.168	1.097	0.0	0.0	0.0	0
12.48	32.0	0.37	-0.31	0.0	0.0	86.486	1.156	0.0	0.0	0.0	0
12.50	31.0	0.365	-0.32	0.0	0.0	84.932	1.177	0.0	0.0	0.0	0
12.52	30.0	0.338	-0.32	0.0	0.0	88.757	1.127	0.0	0.0	0.0	0
12.54	30.0	0.365	-0.32	0.0	0.0	82.192	1.217	0.0	0.0	0.0	0
12.56	30.0	0.405	-0.32	0.0	0.0	74.074	1.35	0.0	0.0	0.0	0
12.58	30.0	0.376	-0.34	0.0	0.0	79.787	1.253	0.0	0.0	0.0	0
12.60	30.0	0.375	-0.34	0.0	0.0	80.0	1.25	0.0	0.0	0.0	0
12.62	30.0	0.365	-0.34	0.0	0.0	82.192	1.217	0.0	0.0	0.0	0
12.64	31.0	0.329	-0.32	0.0	0.0	94.225	1.061	0.0	0.0	0.0	0
12.66	32.0	0.315	-0.32	0.0	0.0	101.587	0.984	0.0	0.0	0.0	0
12.68	33.0	0.34	-0.32	0.0	0.0	97.059	1.03	0.0	0.0	0.0	0
12.70	34.0	0.411	-0.32	0.0	0.0	82.725	1.209	0.0	0.0	0.0	0
12.72	34.0	0.494	-0.32	0.0	0.0	68.826	1.453	0.0	0.0	0.0	0
12.74	34.0	0.544	-0.34	0.0	0.0	62.5	1.6	0.0	0.0	0.0	0
12.76	33.0	0.474	-0.34	0.0	0.0	69.62	1.436	0.0	0.0	0.0	0
12.78	32.0	0.458	-0.34	0.0	0.0	69.869	1.431	0.0	0.0	0.0	0
12.80	30.0	0.409	-0.34	0.0	0.0	73.35	1.363	0.0	0.0	0.0	0
12.82	30.0	0.245	-0.34	0.0	0.0	122.449	0.817	0.0	0.0	0.0	0
12.84	32.0	0.159	0.30	0.0	0.0	201.258	0.497	0.0	0.0	0.0	0
12.86	34.0	0.241	-0.30	0.0	0.0	141.079	0.709	0.0	0.0	0.0	0
12.88	34.0	0.339	-0.38	0.0	0.0	100.295	0.997	0.0	0.0	0.0	0
12.90	36.0	0.469	-0.38	0.0	0.0	76.759	1.303	0.0	0.0	0.0	0
12.92	38.0	0.523	-0.38	0.0	0.0	72.658	1.376	0.0	0.0	0.0	0
12.94	41.0	0.531	-0.36	0.0	0.0	77.213	1.295	0.0	0.0	0.0	0
12.96	45.0	0.566	-0.35	0.0	0.0	79.505	1.258	0.0	0.0	0.0	0
12.98	49.0	0.597	-0.34	0.0	0.0	82.077	1.218	0.0	0.0	0.0	0
13.00	51.0	0.621	-0.32	0.0	0.0	82.126	1.218	0.0	0.0	0.0	0
13.02	51.0	0.647	-0.32	0.0	0.0	78.825	1.269	0.0	0.0	0.0	0
13.04	50.0	0.544	-0.32	0.0	0.0	91.912	1.088	0.0	0.0	0.0	0
13.06	51.0	0.424	-0.31	0.0	0.0	120.283	0.831	0.0	0.0	0.0	0
13.08	50.0	0.285	-0.31	0.0	0.0	175.439	0.57	0.0	0.0	0.0	0
13.10	47.0	0.213	-0.31	0.0	0.0	220.657	0.453	0.0	0.0	0.0	0
13.12	43.0	0.176	-0.32	0.0	0.0	244.318	0.409	0.0	0.0	0.0	0
13.14	40.0	0.143	-0.32	0.0	0.0	279.72	0.358	0.0	0.0	0.0	0
13.16	38.0	0.119	-0.32	0.0	0.0	319.328	0.313	0.0	0.0	0.0	0
13.18	36.0	0.117	-0.32	0.0	0.0	307.692	0.325	0.0	0.0	0.0	0
13.20	34.0	0.101	-0.34	0.0	0.0	336.634	0.297	0.0	0.0	0.0	0
13.22	33.0	0.092	-0.32	0.0	0.0	358.696	0.279	0.0	0.0	0.0	0
13.24	32.0	0.086	-0.32	0.0	0.0	372.093	0.269	0.0	0.0	0.0	0
13.26	34.0	0.089	-0.32	0.0	0.0	382.022	0.262	0.0	0.0	0.0	0
13.28	37.0	0.095	-0.31	0.0	0.0	389.474	0.257	0.0	0.0	0.0	0
13.30	42.0	0.117	-0.28	0.0	0.0	358.974	0.279	0.0	0.0	0.0	0
13.32	47.0	0.16	-0.28	0.0	0.0	293.75	0.34	0.0	0.0	0.0	0
13.34	48.0	0.236	-0.28	0.0	0.0	203.39	0.492	0.0	0.0	0.0	0
13.36	47.0	0.267	-0.28	0.0	0.0	176.03	0.568	0.0	0.0	0.0	0
13.38	48.0	0.286	-0.28	0.0	0.0	167.832	0.596	0.0	0.0	0.0	0
13.40	47.0	0.291	-0.28	0.0	0.0	161.512	0.619	0.0	0.0	0.0	0
13.42	46.0	0.228	-0.28	0.0	0.0	201.754	0.496	0.0	0.0	0.0	0
13.44	44.0	0.164	-0.28	0.0	0.0	268.293	0.373	0.0	0.0	0.0	0
13.46	41.0	0.141	-0.30	0.0	0.0	290.78	0.344	0.0	0.0	0.0	0
13.48	38.0	0.131	-0.30	0.0	0.0	290.076	0.345	0.0	0.0	0.0	0
13.50	36.0	0.138	-0.30	0.0	0.0	260.87	0.383	0.0	0.0	0.0	0
13.52	35.0	0.143	-0.31	0.0	0.0	244.755	0.409	0.0	0.0	0.0	0
13.54	35.0	0.175	-0.31	0.0	0.0	200.0	0.5	0.0	0.0	0.0	0
13.56	36.0	0.255	-0.32	0.0	0.0	141.176	0.708	0.0	0.0	0.0	0
13.58	37.0	0.326	-0.31	0.0	0.0	113.497	0.881	0.0	0.0	0.0	0
13.60	39.0	0.395	-0.31	0.0	0.0	98.734	1.013	0.0	0.0	0.0	0
13.62	40.0	0.451	-0.31	0.0	0.0	88.692	1.128	0.0	0.0	0.0	0
13.64	41.0	0.495	-0.31	0.0	0.0	82.828	1.207	0.0	0.0	0.0	0
13.66	41.0	0.463	-0.31	0.0	0.0	88.553	1.129	0.0	0.0	0.0	0
13.68	41.0	0.45	-0.32	0.0	0.0	91.111	1.098	0.0	0.0	0.0	0
13.70	39.0	0.401	-0.32	0.0	0.0	97.257	1.028	0.0	0.0	0.0	0
13.72	37.0	0.317	-0.32	0.0	0.0	116.719	0.857	0.0	0.0	0.0	0
13.74	35.0	0.229	-0.32	0.0	0.0	152.838	0.654	0.0	0.0	0.0	0
13.76	33.0	0.183	-0.34	0.0	0.0	180.328	0.555	0.0	0.0	0.0	0
13.78	33.0	0.212	-0.32	0.0	0.0	155.66	0.642	0.0	0.0	0.0	0
13.80	33.0	0.259	-0.32	0.0	0.0	127.413	0.785	0.0	0.0	0.0	0
13.82	33.0	0.216	-0.34	0.0	0.0	152.778	0.655	0.0	0.0	0.0	0
13.84	33.0	0.237	-0.34	0.0	0.0	139.241	0.718	0.0	0.0	0.0	0

13.86	33.0	0.277	-0.36	0.0	0.0	119.134	0.839	0.0	0.0	0.0	0
13.88	33.0	0.349	-0.36	0.0	0.0	94.556	1.058	0.0	0.0	0.0	0
13.90	34.0	0.382	-0.36	0.0	0.0	89.005	1.124	0.0	0.0	0.0	0
13.92	34.0	0.38	-0.36	0.0	0.0	89.474	1.118	0.0	0.0	0.0	0
13.94	34.0	0.349	-0.36	0.0	0.0	97.421	1.026	0.0	0.0	0.0	0
13.96	34.0	0.349	-0.36	0.0	0.0	97.421	1.026	0.0	0.0	0.0	0
13.98	35.0	0.405	-0.36	0.0	0.0	86.42	1.157	0.0	0.0	0.0	0
14.00	36.0	0.43	-0.36	0.0	0.0	83.721	1.194	0.0	0.0	0.0	0
14.02	34.0	0.406	-0.36	0.0	0.0	83.744	1.194	0.0	0.0	0.0	0
14.04	30.0	0.365	-0.38	0.0	0.0	82.192	1.217	0.0	0.0	0.0	0
14.06	29.0	0.296	-0.38	0.0	0.0	97.973	1.021	0.0	0.0	0.0	0
14.08	28.0	0.248	-0.38	0.0	0.0	112.903	0.886	0.0	0.0	0.0	0
14.10	27.0	0.291	-0.38	0.0	0.0	92.784	1.078	0.0	0.0	0.0	0
14.12	25.0	0.284	-0.39	0.0	0.0	88.028	1.136	0.0	0.0	0.0	0
14.14	23.0	0.292	-0.39	0.0	0.0	78.767	1.27	0.0	0.0	0.0	0
14.16	22.0	0.378	-0.39	0.0	0.0	58.201	1.718	0.0	0.0	0.0	0
14.18	23.0	0.308	-0.39	0.0	0.0	74.675	1.339	0.0	0.0	0.0	0
14.20	23.0	0.325	-0.38	0.0	0.0	70.769	1.413	0.0	0.0	0.0	0
14.22	22.0	0.437	-0.39	0.0	0.0	50.343	1.986	0.0	0.0	0.0	0
14.24	22.0	0.548	-0.38	0.0	0.0	40.146	2.491	0.0	0.0	0.0	0
14.26	25.0	0.626	-0.38	0.0	0.0	39.936	2.504	0.0	0.0	0.0	0
14.28	27.0	0.746	-0.38	0.0	0.0	36.193	2.763	0.0	0.0	0.0	0
14.30	30.0	0.862	-0.38	0.0	0.0	34.803	2.873	0.0	0.0	0.0	0
14.32	36.0	0.939	-0.36	0.0	0.0	38.339	2.608	0.0	0.0	0.0	0
14.34	45.0	0.954	-0.35	0.0	0.0	47.17	2.12	0.0	0.0	0.0	0
14.36	54.0	0.865	-0.32	0.0	0.0	62.428	1.602	0.0	0.0	0.0	0
14.38	60.0	0.787	-0.30	0.0	0.0	76.239	1.312	0.0	0.0	0.0	0
14.40	64.0	0.573	-0.28	0.0	0.0	111.693	0.895	0.0	0.0	0.0	0
14.42	66.0	0.362	-0.28	0.0	0.0	182.32	0.548	0.0	0.0	0.0	0
14.44	68.0	0.258	-0.27	0.0	0.0	263.566	0.379	0.0	0.0	0.0	0
14.46	71.0	0.218	-0.26	0.0	0.0	325.688	0.307	0.0	0.0	0.0	0
14.48	75.0	0.22	-0.24	0.0	0.0	340.909	0.293	0.0	0.0	0.0	0
14.50	80.0	0.26	-0.21	0.0	0.0	307.692	0.325	0.0	0.0	0.0	0
14.52	84.0	0.28	-0.20	0.0	0.0	300.0	0.333	0.0	0.0	0.0	0
14.54	84.0	0.296	-0.20	0.0	0.0	283.784	0.352	0.0	0.0	0.0	0
14.56	82.0	0.282	-0.20	0.0	0.0	290.78	0.344	0.0	0.0	0.0	0
14.58	78.0	0.277	-0.21	0.0	0.0	281.588	0.355	0.0	0.0	0.0	0
14.60	72.0	0.27	-0.21	0.0	0.0	266.667	0.375	0.0	0.0	0.0	0
14.62	65.0	0.211	-0.23	0.0	0.0	308.057	0.325	0.0	0.0	0.0	0
14.64	59.0	0.161	-0.26	0.0	0.0	366.46	0.273	0.0	0.0	0.0	0
14.66	54.0	0.141	-0.26	0.0	0.0	382.979	0.261	0.0	0.0	0.0	0
14.68	50.0	0.138	-0.27	0.0	0.0	362.319	0.276	0.0	0.0	0.0	0
14.70	49.0	0.147	-0.27	0.0	0.0	333.333	0.3	0.0	0.0	0.0	0
14.72	49.0	0.168	-0.27	0.0	0.0	291.667	0.343	0.0	0.0	0.0	0
14.74	51.0	0.221	-0.26	0.0	0.0	230.769	0.433	0.0	0.0	0.0	0
14.76	53.0	0.328	-0.24	0.0	0.0	161.585	0.619	0.0	0.0	0.0	0
14.78	55.0	0.407	-0.24	0.0	0.0	135.135	0.74	0.0	0.0	0.0	0
14.80	55.0	0.258	-0.30	0.0	0.0	213.178	0.469	0.0	0.0	0.0	0
14.82	55.0	0.32	-0.31	0.0	0.0	171.875	0.582	0.0	0.0	0.0	0
14.84	56.0	0.363	-0.31	0.0	0.0	154.27	0.648	0.0	0.0	0.0	0
14.86	56.0	0.405	-0.31	0.0	0.0	138.272	0.723	0.0	0.0	0.0	0
14.88	57.0	0.411	-0.31	0.0	0.0	138.686	0.721	0.0	0.0	0.0	0
14.90	58.0	0.408	-0.31	0.0	0.0	142.157	0.703	0.0	0.0	0.0	0
14.92	58.0	0.405	-0.31	0.0	0.0	143.21	0.698	0.0	0.0	0.0	0
14.94	58.0	0.402	-0.31	0.0	0.0	144.279	0.693	0.0	0.0	0.0	0
14.96	0.0	0.0	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
14.98	0.0	0.0	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
15.00	0.0	0.0	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0

NATURA LITOLOGICA (Robertson 1986)

Profondità (m)	Litologia: Robertson 1986
0.02	Sabbie limose - Limi argillosi
0.04	Sabbie - Sabbie limose
0.06	Sabbie - Sabbie limose
0.08	Sabbie
0.10	Sabbie
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0.14	Sabbie
0.16	Sabbie

0.18	Sabbie
0.20	Sabbie - Sabbie limose
0.22	Sabbie - Sabbie limose
0.24	Sabbie limose - Limi argillosi
0.26	Sabbie limose - Limi argillosi
0.28	Limi sabbiosi e Limi argillosi
0.30	Limi sabbiosi e Limi argillosi
0.32	Limi sabbiosi e Limi argillosi
0.34	Limi sabbiosi e Limi argillosi
0.36	Limi sabbiosi e Limi argillosi
0.38	Limi sabbiosi e Limi argillosi
0.40	Limi argillosi e Argille limose
0.42	Limi argillosi e Argille limose
0.44	Limi argillosi e Argille limose
0.46	Argille limose - Argille
0.48	Limi argillosi e Argille limose
0.50	Limi sabbiosi e Limi argillosi
0.52	Limi sabbiosi e Limi argillosi
0.54	Sabbie limose - Limi argillosi
0.56	Sabbie limose - Limi argillosi
0.58	Sabbie limose - Limi argillosi
0.60	Sabbie limose - Limi argillosi
0.62	Sabbie limose - Limi argillosi
0.64	Sabbie limose - Limi argillosi
0.66	Sabbie limose - Limi argillosi
0.68	Sabbie limose - Limi argillosi
0.70	Limi sabbiosi e Limi argillosi
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0.78	Limi sabbiosi e Limi argillosi
0.80	Limi sabbiosi e Limi argillosi
0.82	Limi sabbiosi e Limi argillosi
0.84	Limi sabbiosi e Limi argillosi
0.86	Limi argillosi e Argille limose
0.88	Limi argillosi e Argille limose
0.90	Limi argillosi e Argille limose
0.92	Limi argillosi e Argille limose
0.94	Limi argillosi e Argille limose
0.96	Argille limose - Argille
0.98	Argille limose - Argille
1.00	Limi argillosi e Argille limose
1.02	Limi argillosi e Argille limose
1.04	Limi argillosi e Argille limose
1.06	Limi argillosi e Argille limose
1.08	Limi sabbiosi e Limi argillosi
1.10	Limi sabbiosi e Limi argillosi
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1.14	Limi sabbiosi e Limi argillosi
1.16	Sabbie limose - Limi argillosi
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11.00	Argille
11.02	Argille limose - Argille
11.04	Limi argillosi e Argille limose
11.06	Limi argillosi e Argille limose
11.08	Limi argillosi e Argille limose
11.10	Limi argillosi e Argille limose
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11.50	Limi sabbiosi e Limi argillosi
11.52	Sabbie limose - Limi argillosi
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14.84	Sabbie - Sabbie limose
14.86	Sabbie - Sabbie limose
14.88	Sabbie - Sabbie limose
14.90	Sabbie - Sabbie limose
14.92	Sabbie - Sabbie limose
14.94	Sabbie - Sabbie limose
14.96	Stima non eseguibile
14.98	Stima non eseguibile
15.00	Stima non eseguibile

STIMA PARAMETRI GEOTECNICI

Nr:	Numero progressivo strato
Prof:	Profondità strato (m)
Tipo:	C: Coesivo. I: Incoerente. CI: Coesivo-Incoerente
Cu:	Coesione non drenata (Kg/cm ²)
Eu:	Modulo di deformazione non drenato (Kg/cm ²)
Mo:	Modulo Edometrico (Kg/cm ²)
G:	Modulo di deformazione a taglio (Kg/cm ²)
OCR:	Grado di sovraconsolidazione
Puv:	Peso unità di volume (t/m ³)
PuvS:	Peso unità di volume saturo (t/m ³)
Dr:	Densità relativa (%)
Fi:	Angolo di resistenza al taglio (°)
Ey:	Modulo di Young (Kg/cm ²)
Vs:	Velocità onde di taglio (m/s)

Nr.	Prof.	Tipo	Cu	Eu	Mo	G	OCR	Puv	PuvS	Dr	Fi	Ey	Vs
1	0.26	CI	4.7	3509.5	187.2	448.4	<0.5	2.2	2.3	100.0	45.0	234.0	245.68
2	0.44	CI	2.6	1972.2	105.3	315.5	<0.5	2.1	2.2	100.0	42.2	131.7	240.20
3	0.46	C	1.8	1346.4	72.0	250.1	>9	2.1	2.2	--	--	--	189.10
4	0.52	C	2.5	1833.5	98.0	301.9	>9	2.1	2.2	--	--	--	202.61
5	0.68	CI	3.3	2493.6	133.2	364.3	<0.5	2.2	2.3	100.0	40.8	166.6	272.21
6	0.94	CI	2.6	1960.8	104.9	314.8	0.6	2.1	2.2	91.9	38.1	131.2	266.05
7	0.98	C	2.5	1886.0	101.0	307.5	>9	2.1	2.2	--	--	--	226.63

8	1.14	C	2.2	1627.4	87.2	281.2	>9	2.1	2.2	--	--	--	224.16
9	1.16	CI	1.8	1340.8	72.0	250.1	1.0	2.1	2.2	70.7	34.5	90.0	252.63
10	1.70	CI	1.1	830.3	44.9	187.4	1.7	2.0	2.1	49.5	31.2	56.1	230.19
11	2.14	C	0.4	276.5	37.8	98.0	5.1	1.8	1.9	--	--	--	179.57
12	2.24	C	0.7	508.0	48.3	140.4	4.0	1.9	2.0	--	--	--	203.79
13	2.46	C	0.4	244.4	35.2	91.9	2.8	1.8	1.9	--	--	--	181.63
14	3.10	C	0.9	626.1	46.9	159.4	3.2	1.9	2.0	--	--	--	216.41
15	3.18	C	0.5	372.9	44.5	117.8	4.2	1.9	1.9	--	--	--	199.78
16	3.24	C	0.7	504.0	48.3	140.4	4.9	1.9	2.0	--	--	--	210.84
17	11.02	C	0.4	301.4	41.2	107.1	4.1	1.8	1.9	--	--	--	211.75
18	11.50	C	1.2	844.1	47.7	194.6	2.8	2.0	2.1	--	--	--	267.63
19	11.66	CI	1.4	1011.6	56.7	216.2	<0.5	2.0	2.1	20.7	24.7	70.9	295.49
20	11.78	CI	1.4	959.6	54.0	209.8	<0.5	2.0	2.1	18.7	24.4	67.5	292.19
21	12.16	CI	1.8	1302.0	72.3	250.7	<0.5	2.1	2.1	28.3	25.8	90.4	315.15
22	12.26	CI	1.6	1107.6	62.0	228.2	<0.5	2.0	2.1	22.6	24.9	77.5	303.88
23	12.52	CI	1.6	1141.5	63.8	232.4	<0.5	2.0	2.1	23.3	25.0	79.8	306.59
24	12.62	CI	1.5	1068.7	60.0	223.7	<0.5	2.0	2.1	20.9	24.7	75.0	302.30
25	12.70	CI	1.6	1162.1	65.0	234.9	<0.5	2.0	2.1	23.5	25.0	81.3	308.67
26	12.80	CI	1.6	1165.6	65.2	235.4	<0.5	2.0	2.1	23.4	25.0	81.5	309.13
27	14.02	CI	1.9	1402.2	78.0	262.5	<0.5	2.1	2.2	28.5	25.7	97.5	325.20
28	14.04	CI	1.5	1062.8	60.0	223.7	<0.5	2.0	2.1	18.5	24.2	75.0	306.10
29	14.08	CI	1.4	1006.4	57.0	216.8	<0.5	2.0	2.1	16.7	23.9	71.3	302.25
30	14.34	CI	1.3	946.7	53.8	209.4	<0.5	2.0	2.1	14.5	23.6	67.3	298.30
31	15.00	CI	2.8	2066.9	113.7	330.6	<0.5	2.1	2.2	39.4	27.1	142.1	361.24

PROVA ...CPTU N°9

Committente: Comune di San Giovanni Persiceto

Strumento utilizzato: PAGANI 200 kN (CPTU)

Prova eseguita in data: 05/11/2017

Profondità prova: 15.00 mt

Località: S. Giovanni Persiceto

RESISTENZE / LITOLOGIE

Profondità	
qc	Resistenza punta (Kg/cm ²);
fs	Resistenza laterale (Kg/cm ²);
Tilt	Inclinazione (°)
Temp	Temperatura (°)
Fr	fs/qcx100 (Schmertmann)
qcn	qc normalizzata (Kg/cm ²);
fsn	fs normalizzato (Kg/cm ²);
U2	Pressione neutrale intorno al cono (Kg/cm ²);
Uo	Pressione neutrale rilevata (Kg/cm ²);
Fc	Contenuto in materiale fine(%)

Profondità	qc	fs	U2	Tilt	Temp	qc/fs	Fr	Uo	qcn	fsn	FC%
0.02	9.0	0.068	-0.13	0.0	0.0	132.353	0.756	0.0	0.0	0.0	0
0.04	10.0	0.11	-0.15	0.0	0.0	90.909	1.1	0.0	0.0	0.0	0
0.06	11.0	0.183	-0.13	0.0	0.0	60.109	1.664	0.0	0.0	0.0	0
0.08	13.0	0.239	-0.13	0.0	0.0	54.393	1.838	0.0	0.0	0.0	0
0.10	13.0	0.257	-0.15	0.0	0.0	50.584	1.977	0.0	0.0	0.0	0
0.12	15.0	0.357	-0.13	0.0	0.0	42.017	2.38	0.0	0.0	0.0	0
0.14	18.0	0.454	-0.13	0.0	0.0	39.648	2.522	0.0	0.0	0.0	0
0.16	20.0	0.485	-0.13	0.0	0.0	41.237	2.425	0.0	0.0	0.0	0
0.18	22.0	0.551	-0.15	0.0	0.0	39.927	2.505	0.0	0.0	0.0	0
0.20	21.0	0.627	-0.15	0.0	0.0	33.493	2.986	0.0	0.0	0.0	0
0.22	21.0	0.679	-0.16	0.0	0.0	30.928	3.233	0.0	0.0	0.0	0
0.24	19.0	0.758	-0.16	0.0	0.0	25.066	3.989	0.0	0.0	0.0	0
0.26	18.0	0.783	-0.16	0.0	0.0	22.989	4.35	0.0	0.0	0.0	0
0.28	19.0	0.797	-0.17	0.0	0.0	23.839	4.195	0.0	0.0	0.0	0
0.30	19.0	0.863	-0.17	0.0	0.0	22.016	4.542	0.0	0.0	0.0	0
0.32	18.0	0.986	-0.23	0.0	0.0	18.256	5.478	0.0	0.0	0.0	0
0.34	18.0	1.094	-0.23	0.0	0.0	16.453	6.078	0.0	0.0	0.0	0
0.36	17.0	1.146	-0.23	0.0	0.0	14.834	6.741	0.0	0.0	0.0	0
0.38	16.0	1.185	-0.24	0.0	0.0	13.502	7.406	0.0	0.0	0.0	0
0.40	15.0	1.148	-0.26	0.0	0.0	13.066	7.653	0.0	0.0	0.0	0

0.42	14.0	1.098	-0.24	0.0	0.0	12.75	7.843	0.0	0.0	0.0	0
0.44	15.0	1.027	-0.24	0.0	0.0	14.606	6.847	0.0	0.0	0.0	0
0.46	100.0	0.763	0.02	0.0	0.0	131.062	0.763	0.0	0.0	0.0	0
0.48	123.0	0.309	0.07	0.0	0.0	398.058	0.251	0.0	0.0	0.0	0
0.50	163.0	0.103	0.08	0.0	0.0	1582.524	0.063	0.0	0.0	0.0	0
0.52	103.0	0.336	-0.15	0.0	0.0	306.548	0.326	0.0	0.0	0.0	0
0.54	91.0	0.117	-0.12	0.0	0.0	777.778	0.129	0.0	0.0	0.0	0
0.56	28.0	0.125	-0.11	0.0	0.0	224.0	0.446	0.0	0.0	0.0	0
0.58	21.0	1.265	-0.07	0.0	0.0	16.601	6.024	0.0	0.0	0.0	0
0.60	34.0	1.064	-0.08	0.0	0.0	31.955	3.129	0.0	0.0	0.0	0
0.62	33.0	1.235	-0.08	0.0	0.0	26.721	3.742	0.0	0.0	0.0	0
0.64	37.0	1.199	-0.11	0.0	0.0	30.859	3.241	0.0	0.0	0.0	0
0.66	33.0	1.333	-0.15	0.0	0.0	24.756	4.039	0.0	0.0	0.0	0
0.68	36.0	0.902	-0.15	0.0	0.0	39.911	2.506	0.0	0.0	0.0	0
0.70	40.0	0.91	-0.16	0.0	0.0	43.956	2.275	0.0	0.0	0.0	0
0.72	44.0	1.141	-0.16	0.0	0.0	38.563	2.593	0.0	0.0	0.0	0
0.74	47.0	1.195	-0.16	0.0	0.0	39.331	2.543	0.0	0.0	0.0	0
0.76	52.0	1.306	-0.15	0.0	0.0	39.816	2.512	0.0	0.0	0.0	0
0.78	57.0	1.4	-0.15	0.0	0.0	40.714	2.456	0.0	0.0	0.0	0
0.80	66.0	1.221	-0.13	0.0	0.0	54.054	1.85	0.0	0.0	0.0	0
0.82	57.0	1.391	-0.15	0.0	0.0	40.978	2.44	0.0	0.0	0.0	0
0.84	58.0	1.459	-0.13	0.0	0.0	39.753	2.516	0.0	0.0	0.0	0
0.86	65.0	1.388	-0.11	0.0	0.0	46.83	2.135	0.0	0.0	0.0	0
0.88	62.0	1.29	-0.13	0.0	0.0	48.062	2.081	0.0	0.0	0.0	0
0.90	66.0	1.264	-0.12	0.0	0.0	52.215	1.915	0.0	0.0	0.0	0
0.92	73.0	1.025	-0.08	0.0	0.0	71.22	1.404	0.0	0.0	0.0	0
0.94	83.0	1.042	-0.08	0.0	0.0	79.655	1.255	0.0	0.0	0.0	0
0.96	74.0	0.915	-0.07	0.0	0.0	80.874	1.236	0.0	0.0	0.0	0
0.98	56.0	0.897	-0.07	0.0	0.0	62.43	1.602	0.0	0.0	0.0	0
1.00	43.0	1.405	-0.09	0.0	0.0	30.605	3.267	0.0	0.0	0.0	0
1.02	42.0	1.183	-0.11	0.0	0.0	35.503	2.817	0.0	0.0	0.0	0
1.04	41.0	1.352	-0.11	0.0	0.0	30.325	3.298	0.0	0.0	0.0	0
1.06	37.0	1.476	-0.11	0.0	0.0	25.068	3.989	0.0	0.0	0.0	0
1.08	36.0	1.39	-0.11	0.0	0.0	25.899	3.861	0.0	0.0	0.0	0
1.10	35.0	1.298	-0.11	0.0	0.0	26.965	3.709	0.0	0.0	0.0	0
1.12	34.0	1.159	-0.11	0.0	0.0	29.336	3.409	0.0	0.0	0.0	0
1.14	34.0	0.938	-0.09	0.0	0.0	36.247	2.759	0.0	0.0	0.0	0
1.16	34.0	0.866	-0.08	0.0	0.0	39.261	2.547	0.0	0.0	0.0	0
1.18	35.0	0.822	-0.09	0.0	0.0	42.579	2.349	0.0	0.0	0.0	0
1.20	35.0	0.808	-0.08	0.0	0.0	43.317	2.309	0.0	0.0	0.0	0
1.22	33.0	0.803	-0.07	0.0	0.0	41.096	2.433	0.0	0.0	0.0	0
1.24	31.0	0.785	-0.08	0.0	0.0	39.49	2.532	0.0	0.0	0.0	0
1.26	28.0	0.656	-0.02	0.0	0.0	42.683	2.343	0.0	0.0	0.0	0
1.28	27.0	0.609	-0.02	0.0	0.0	44.335	2.256	0.0	0.0	0.0	0
1.30	26.0	0.555	-0.02	0.0	0.0	46.847	2.135	0.0	0.0	0.0	0
1.32	26.0	0.531	-0.02	0.0	0.0	48.964	2.042	0.0	0.0	0.0	0
1.34	26.0	0.482	-0.02	0.0	0.0	53.942	1.854	0.0	0.0	0.0	0
1.36	26.0	0.435	-0.02	0.0	0.0	59.77	1.673	0.0	0.0	0.0	0
1.38	26.0	0.399	-0.02	0.0	0.0	65.163	1.535	0.0	0.0	0.0	0
1.40	25.0	0.388	-0.02	0.0	0.0	64.433	1.552	0.0	0.0	0.0	0
1.42	24.0	0.384	-0.02	0.0	0.0	62.5	1.6	0.0	0.0	0.0	0
1.44	23.0	0.355	-0.02	0.0	0.0	64.789	1.543	0.0	0.0	0.0	0
1.46	22.0	0.342	-0.02	0.0	0.0	64.327	1.555	0.0	0.0	0.0	0
1.48	22.0	0.325	-0.02	0.0	0.0	67.692	1.477	0.0	0.0	0.0	0
1.50	21.0	0.316	-0.02	0.0	0.0	66.456	1.505	0.0	0.0	0.0	0
1.52	21.0	0.319	-0.01	0.0	0.0	65.831	1.519	0.0	0.0	0.0	0
1.54	20.0	0.315	-0.01	0.0	0.0	63.492	1.575	0.0	0.0	0.0	0
1.56	18.0	0.299	-0.02	0.0	0.0	60.201	1.661	0.0	0.0	0.0	0
1.58	16.0	0.313	-0.02	0.0	0.0	51.118	1.956	0.0	0.0	0.0	0
1.60	14.0	0.344	-0.02	0.0	0.0	40.698	2.457	0.0	0.0	0.0	0
1.62	13.0	0.389	-0.02	0.0	0.0	33.419	2.992	0.0	0.0	0.0	0
1.64	14.0	0.416	-0.02	0.0	0.0	33.654	2.971	0.0	0.0	0.0	0
1.66	13.0	0.407	-0.02	0.0	0.0	31.941	3.131	0.0	0.0	0.0	0
1.68	12.0	0.415	-0.02	0.0	0.0	28.916	3.458	0.0	0.0	0.0	0
1.70	12.0	0.444	-0.02	0.0	0.0	27.027	3.7	0.0	0.0	0.0	0
1.72	14.0	0.438	-0.01	0.0	0.0	31.963	3.129	0.0	0.0	0.0	0
1.74	13.0	0.428	-0.01	0.0	0.0	30.374	3.292	0.0	0.0	0.0	0
1.76	11.0	0.373	-0.01	0.0	0.0	29.491	3.391	0.0	0.0	0.0	0
1.78	9.0	0.351	-0.02	0.0	0.0	25.641	3.9	0.0	0.0	0.0	0
1.80	9.0	0.365	-0.01	0.0	0.0	24.658	4.056	0.0	0.0	0.0	0

1.82	8.0	0.353	-0.02	0.0	0.0	22.663	4.413	0.0	0.0	0.0	0
1.84	9.0	0.306	-0.01	0.0	0.0	29.412	3.4	0.0	0.0	0.0	0
1.86	10.0	0.294	-0.01	0.0	0.0	34.014	2.94	0.0	0.0	0.0	0
1.88	10.0	0.333	0.00	0.0	0.0	30.03	3.33	0.0	0.0	0.0	0
1.90	10.0	0.304	-0.01	0.0	0.0	32.895	3.04	0.0	0.0	0.0	0
1.92	10.0	0.272	0.00	0.0	0.0	36.765	2.72	0.0	0.0	0.0	0
1.94	8.0	0.25	-0.01	0.0	0.0	32.0	3.125	0.0	0.0	0.0	0
1.96	7.0	0.25	-0.01	0.0	0.0	28.0	3.571	0.0	0.0	0.0	0
1.98	6.0	0.26	0.00	0.0	0.0	23.077	4.333	0.0	0.0	0.0	0
2.00	6.0	0.249	-0.01	0.0	0.0	24.096	4.15	0.0	0.0	0.0	0
2.02	6.0	0.208	0.00	0.0	0.0	28.846	3.467	0.0	0.0	0.0	0
2.04	6.0	0.182	0.00	0.0	0.0	32.967	3.033	0.0	0.0	0.0	0
2.06	7.0	0.17	0.02	0.0	0.0	41.176	2.429	0.0	0.0	0.0	0
2.08	8.0	0.183	0.02	0.0	0.0	43.716	2.288	0.0	0.0	0.0	0
2.10	9.0	0.199	0.00	0.0	0.0	45.226	2.211	0.0	0.0	0.0	0
2.12	8.0	0.19	-0.01	0.0	0.0	42.105	2.375	0.0	0.0	0.0	0
2.14	6.0	0.171	-0.02	0.0	0.0	35.088	2.85	0.0	0.0	0.0	0
2.16	6.0	0.143	-0.01	0.0	0.0	41.958	2.383	0.0	0.0	0.0	0
2.18	5.0	0.143	-0.01	0.0	0.0	34.965	2.86	0.0	0.0	0.0	0
2.20	5.0	0.145	0.00	0.0	0.0	34.483	2.9	0.0	0.0	0.0	0
2.22	6.0	0.132	0.00	0.0	0.0	45.455	2.2	0.0	0.0	0.0	0
2.24	7.0	0.225	-0.04	0.0	0.0	31.111	3.214	0.0	0.0	0.0	0
2.26	7.0	0.232	-0.04	0.0	0.0	30.172	3.314	0.0	0.0	0.0	0
2.28	6.0	0.206	-0.04	0.0	0.0	29.126	3.433	0.0	0.0	0.0	0
2.30	5.0	0.177	-0.05	0.0	0.0	28.249	3.54	0.0	0.0	0.0	0
2.32	5.0	0.142	-0.05	0.0	0.0	35.211	2.84	0.0	0.0	0.0	0
2.34	5.0	0.119	-0.04	0.0	0.0	42.017	2.38	0.0	0.0	0.0	0
2.36	5.0	0.112	-0.02	0.0	0.0	44.643	2.24	0.0	0.0	0.0	0
2.38	5.0	0.112	0.00	0.0	0.0	44.643	2.24	0.0	0.0	0.0	0
2.40	5.0	0.097	0.02	0.0	0.0	51.546	1.94	0.0	0.0	0.0	0
2.42	5.0	0.095	0.03	0.0	0.0	52.632	1.9	0.0	0.0	0.0	0
2.44	5.0	0.106	0.04	0.0	0.0	47.17	2.12	0.0	0.0	0.0	0
2.46	5.0	0.115	0.03	0.0	0.0	43.478	2.3	0.0	0.0	0.0	0
2.48	5.0	0.122	0.04	0.0	0.0	40.984	2.44	0.0	0.0	0.0	0
2.50	5.0	0.127	0.04	0.0	0.0	39.37	2.54	0.0	0.0	0.0	0
2.52	5.0	0.156	0.04	0.0	0.0	32.051	3.12	0.0	0.0	0.0	0
2.54	6.0	0.17	0.06	0.0	0.0	35.294	2.833	0.0	0.0	0.0	0
2.56	5.0	0.173	0.06	0.0	0.0	28.902	3.46	0.0	0.0	0.0	0
2.58	5.0	0.161	0.06	0.0	0.0	31.056	3.22	0.0	0.0	0.0	0
2.60	5.0	0.155	0.06	0.0	0.0	32.258	3.1	0.0	0.0	0.0	0
2.62	5.0	0.131	0.06	0.0	0.0	38.168	2.62	0.0	0.0	0.0	0
2.64	5.0	0.115	0.06	0.0	0.0	43.478	2.3	0.0	0.0	0.0	0
2.66	6.0	0.115	0.07	0.0	0.0	52.174	1.917	0.0	0.0	0.0	0
2.68	6.0	0.148	0.08	0.0	0.0	40.541	2.467	0.0	0.0	0.0	0
2.70	6.0	0.169	0.07	0.0	0.0	35.503	2.817	0.0	0.0	0.0	0
2.72	6.0	0.176	0.06	0.0	0.0	34.091	2.933	0.0	0.0	0.0	0
2.74	6.0	0.167	0.06	0.0	0.0	35.928	2.783	0.0	0.0	0.0	0
2.76	6.0	0.161	0.06	0.0	0.0	37.267	2.683	0.0	0.0	0.0	0
2.78	6.0	0.158	0.06	0.0	0.0	37.975	2.633	0.0	0.0	0.0	0
2.80	5.0	0.141	0.07	0.0	0.0	35.461	2.82	0.0	0.0	0.0	0
2.82	5.0	0.134	0.07	0.0	0.0	37.313	2.68	0.0	0.0	0.0	0
2.84	5.0	0.132	0.07	0.0	0.0	37.879	2.64	0.0	0.0	0.0	0
2.86	5.0	0.126	0.08	0.0	0.0	39.683	2.52	0.0	0.0	0.0	0
2.88	5.0	0.12	0.08	0.0	0.0	41.667	2.4	0.0	0.0	0.0	0
2.90	5.0	0.1	0.08	0.0	0.0	50.0	2.0	0.0	0.0	0.0	0
2.92	6.0	0.106	0.10	0.0	0.0	56.604	1.767	0.0	0.0	0.0	0
2.94	7.0	0.109	0.10	0.0	0.0	64.22	1.557	0.0	0.0	0.0	0
2.96	9.0	0.133	0.10	0.0	0.0	67.669	1.478	0.0	0.0	0.0	0
2.98	8.0	0.143	0.06	0.0	0.0	55.944	1.788	0.0	0.0	0.0	0
3.00	6.0	0.121	0.06	0.0	0.0	49.587	2.017	0.0	0.0	0.0	0
3.02	5.0	0.109	0.06	0.0	0.0	45.872	2.18	0.0	0.0	0.0	0
3.04	5.0	0.121	0.07	0.0	0.0	41.322	2.42	0.0	0.0	0.0	0
3.06	4.0	0.118	0.07	0.0	0.0	33.898	2.95	0.0	0.0	0.0	0
3.08	4.0	0.107	0.08	0.0	0.0	37.383	2.675	0.0	0.0	0.0	0
3.10	4.0	0.102	0.11	0.0	0.0	39.216	2.55	0.0	0.0	0.0	0
3.12	4.0	0.106	0.13	0.0	0.0	37.736	2.65	0.0	0.0	0.0	0
3.14	5.0	0.107	0.17	0.0	0.0	46.729	2.14	0.0	0.0	0.0	0
3.16	7.0	0.107	0.18	0.0	0.0	65.421	1.529	0.0	0.0	0.0	0
3.18	9.0	0.123	0.11	0.0	0.0	73.171	1.367	0.0	0.0	0.0	0
3.20	10.0	0.158	0.06	0.0	0.0	63.291	1.58	0.0	0.0	0.0	0

3.22	11.0	0.151	-0.04	0.0	0.0	72.848	1.373	0.0	0.0	0.0	0
3.24	9.0	0.148	-0.08	0.0	0.0	60.811	1.644	0.0	0.0	0.0	0
3.26	7.0	0.126	-0.09	0.0	0.0	55.556	1.8	0.0	0.0	0.0	0
3.28	7.0	0.131	-0.02	0.0	0.0	53.435	1.871	0.0	0.0	0.0	0
3.30	11.0	0.106	0.08	0.0	0.0	103.774	0.964	0.0	0.0	0.0	0
3.32	12.0	0.12	0.03	0.0	0.0	100.0	1.0	0.0	0.0	0.0	0
3.34	11.0	0.141	-0.02	0.0	0.0	78.014	1.282	0.0	0.0	0.0	0
3.36	9.0	0.142	-0.04	0.0	0.0	63.38	1.578	0.0	0.0	0.0	0
3.38	7.0	0.145	-0.04	0.0	0.0	48.276	2.071	0.0	0.0	0.0	0
3.40	7.0	0.16	-0.02	0.0	0.0	43.75	2.286	0.0	0.0	0.0	0
3.42	6.0	0.154	-0.04	0.0	0.0	38.961	2.567	0.0	0.0	0.0	0
3.44	7.0	0.141	-0.01	0.0	0.0	49.645	2.014	0.0	0.0	0.0	0
3.46	11.0	0.155	0.00	0.0	0.0	70.968	1.409	0.0	0.0	0.0	0
3.48	15.0	0.191	0.00	0.0	0.0	78.534	1.273	0.0	0.0	0.0	0
3.50	17.0	0.219	-0.01	0.0	0.0	77.626	1.288	0.0	0.0	0.0	0
3.52	17.0	0.192	-0.04	0.0	0.0	88.542	1.129	0.0	0.0	0.0	0
3.54	14.0	0.135	-0.05	0.0	0.0	103.704	0.964	0.0	0.0	0.0	0
3.56	11.0	0.099	-0.07	0.0	0.0	111.111	0.9	0.0	0.0	0.0	0
3.58	9.0	0.092	-0.05	0.0	0.0	97.826	1.022	0.0	0.0	0.0	0
3.60	7.0	0.101	-0.05	0.0	0.0	69.307	1.443	0.0	0.0	0.0	0
3.62	7.0	0.114	0.07	0.0	0.0	61.404	1.629	0.0	0.0	0.0	0
3.64	9.0	0.12	0.42	0.0	0.0	75.0	1.333	0.0	0.0	0.0	0
3.66	12.0	0.129	0.25	0.0	0.0	93.023	1.075	0.0	0.0	0.0	0
3.68	13.0	0.182	0.08	0.0	0.0	71.429	1.4	0.0	0.0	0.0	0
3.70	12.0	0.196	0.02	0.0	0.0	61.224	1.633	0.0	0.0	0.0	0
3.72	11.0	0.161	-0.01	0.0	0.0	68.323	1.464	0.0	0.0	0.0	0
3.74	9.0	0.135	-0.02	0.0	0.0	66.667	1.5	0.0	0.0	0.0	0
3.76	9.0	0.148	0.02	0.0	0.0	60.811	1.644	0.0	0.0	0.0	0
3.78	9.0	0.142	0.03	0.0	0.0	63.38	1.578	0.0	0.0	0.0	0
3.80	8.0	0.163	0.02	0.0	0.0	49.08	2.038	0.0	0.0	0.0	0
3.82	6.0	0.192	0.00	0.0	0.0	31.25	3.2	0.0	0.0	0.0	0
3.84	5.0	0.186	0.02	0.0	0.0	26.882	3.72	0.0	0.0	0.0	0
3.86	5.0	0.16	0.07	0.0	0.0	31.25	3.2	0.0	0.0	0.0	0
3.88	9.0	0.144	0.13	0.0	0.0	62.5	1.6	0.0	0.0	0.0	0
3.90	17.0	0.123	0.23	0.0	0.0	138.211	0.724	0.0	0.0	0.0	0
3.92	21.0	0.117	0.11	0.0	0.0	179.487	0.557	0.0	0.0	0.0	0
3.94	20.0	0.128	0.08	0.0	0.0	156.25	0.64	0.0	0.0	0.0	0
3.96	18.0	0.112	0.10	0.0	0.0	160.714	0.622	0.0	0.0	0.0	0
3.98	17.0	0.076	0.08	0.0	0.0	223.684	0.447	0.0	0.0	0.0	0
4.00	15.0	0.077	0.08	0.0	0.0	194.805	0.513	0.0	0.0	0.0	0
4.02	14.0	0.086	0.08	0.0	0.0	162.791	0.614	0.0	0.0	0.0	0
4.04	13.0	0.089	0.08	0.0	0.0	146.067	0.685	0.0	0.0	0.0	0
4.06	12.0	0.089	0.07	0.0	0.0	134.831	0.742	0.0	0.0	0.0	0
4.08	10.0	0.093	0.07	0.0	0.0	107.527	0.93	0.0	0.0	0.0	0
4.10	8.0	0.086	0.07	0.0	0.0	93.023	1.075	0.0	0.0	0.0	0
4.12	7.0	0.083	0.07	0.0	0.0	84.337	1.186	0.0	0.0	0.0	0
4.14	6.0	0.084	0.07	0.0	0.0	71.429	1.4	0.0	0.0	0.0	0
4.16	5.0	0.088	0.07	0.0	0.0	56.818	1.76	0.0	0.0	0.0	0
4.18	4.0	0.106	0.11	0.0	0.0	37.736	2.65	0.0	0.0	0.0	0
4.20	4.0	0.093	0.14	0.0	0.0	43.011	2.325	0.0	0.0	0.0	0
4.22	4.0	0.114	0.14	0.0	0.0	35.088	2.85	0.0	0.0	0.0	0
4.24	4.0	0.142	0.14	0.0	0.0	28.169	3.55	0.0	0.0	0.0	0
4.26	4.0	0.166	0.14	0.0	0.0	24.096	4.15	0.0	0.0	0.0	0
4.28	3.0	0.176	0.14	0.0	0.0	17.045	5.867	0.0	0.0	0.0	0
4.30	3.0	0.179	0.14	0.0	0.0	16.76	5.967	0.0	0.0	0.0	0
4.32	4.0	0.186	0.15	0.0	0.0	21.505	4.65	0.0	0.0	0.0	0
4.34	4.0	0.176	0.19	0.0	0.0	22.727	4.4	0.0	0.0	0.0	0
4.36	5.0	0.166	0.23	0.0	0.0	30.12	3.32	0.0	0.0	0.0	0
4.38	6.0	0.148	0.25	0.0	0.0	40.541	2.467	0.0	0.0	0.0	0
4.40	5.0	0.147	0.22	0.0	0.0	34.014	2.94	0.0	0.0	0.0	0
4.42	5.0	0.147	0.22	0.0	0.0	34.014	2.94	0.0	0.0	0.0	0
4.44	5.0	0.12	0.23	0.0	0.0	41.667	2.4	0.0	0.0	0.0	0
4.46	5.0	0.124	0.26	0.0	0.0	40.323	2.48	0.0	0.0	0.0	0
4.48	7.0	0.12	0.32	0.0	0.0	58.333	1.714	0.0	0.0	0.0	0
4.50	9.0	0.142	0.30	0.0	0.0	63.38	1.578	0.0	0.0	0.0	0
4.52	10.0	0.184	0.22	0.0	0.0	54.348	1.84	0.0	0.0	0.0	0
4.54	13.0	0.19	0.15	0.0	0.0	68.421	1.462	0.0	0.0	0.0	0
4.56	15.0	0.2	0.10	0.0	0.0	75.0	1.333	0.0	0.0	0.0	0
4.58	16.0	0.228	0.04	0.0	0.0	70.175	1.425	0.0	0.0	0.0	0
4.60	16.0	0.21	0.02	0.0	0.0	76.19	1.313	0.0	0.0	0.0	0

4.62	15.0	0.192	-0.01	0.0	0.0	78.125	1.28	0.0	0.0	0.0	0
4.64	14.0	0.18	-0.04	0.0	0.0	77.778	1.286	0.0	0.0	0.0	0
4.66	13.0	0.198	-0.07	0.0	0.0	65.657	1.523	0.0	0.0	0.0	0
4.68	12.0	0.155	-0.08	0.0	0.0	77.419	1.292	0.0	0.0	0.0	0
4.70	12.0	0.089	-0.08	0.0	0.0	134.831	0.742	0.0	0.0	0.0	0
4.72	11.0	0.08	-0.08	0.0	0.0	137.5	0.727	0.0	0.0	0.0	0
4.74	12.0	0.075	-0.08	0.0	0.0	160.0	0.625	0.0	0.0	0.0	0
4.76	13.0	0.077	-0.08	0.0	0.0	168.831	0.592	0.0	0.0	0.0	0
4.78	14.0	0.106	-0.08	0.0	0.0	132.075	0.757	0.0	0.0	0.0	0
4.80	14.0	0.129	-0.08	0.0	0.0	108.527	0.921	0.0	0.0	0.0	0
4.82	15.0	0.159	-0.08	0.0	0.0	94.34	1.06	0.0	0.0	0.0	0
4.84	17.0	0.154	-0.11	0.0	0.0	110.39	0.906	0.0	0.0	0.0	0
4.86	18.0	0.145	-0.12	0.0	0.0	124.138	0.806	0.0	0.0	0.0	0
4.88	20.0	0.143	-0.11	0.0	0.0	139.86	0.715	0.0	0.0	0.0	0
4.90	21.0	0.15	-0.12	0.0	0.0	140.0	0.714	0.0	0.0	0.0	0
4.92	21.0	0.157	-0.15	0.0	0.0	133.758	0.748	0.0	0.0	0.0	0
4.94	19.0	0.133	-0.16	0.0	0.0	142.857	0.7	0.0	0.0	0.0	0
4.96	15.0	0.092	-0.17	0.0	0.0	163.043	0.613	0.0	0.0	0.0	0
4.98	11.0	0.076	-0.19	0.0	0.0	144.737	0.691	0.0	0.0	0.0	0
5.00	9.0	0.102	-0.19	0.0	0.0	88.235	1.133	0.0	0.0	0.0	0
5.02	8.0	0.167	-0.16	0.0	0.0	47.904	2.088	0.0	0.0	0.0	0
5.04	12.0	0.167	0.11	0.0	0.0	71.856	1.392	0.0	0.0	0.0	0
5.06	15.0	0.169	0.03	0.0	0.0	88.757	1.127	0.0	0.0	0.0	0
5.08	15.0	0.197	-0.04	0.0	0.0	76.142	1.313	0.0	0.0	0.0	0
5.10	13.0	0.176	-0.07	0.0	0.0	73.864	1.354	0.0	0.0	0.0	0
5.12	11.0	0.133	-0.07	0.0	0.0	82.707	1.209	0.0	0.0	0.0	0
5.14	11.0	0.155	-0.07	0.0	0.0	70.968	1.409	0.0	0.0	0.0	0
5.16	10.0	0.24	-0.13	0.0	0.0	41.667	2.4	0.0	0.0	0.0	0
5.18	10.0	0.257	-0.09	0.0	0.0	38.911	2.57	0.0	0.0	0.0	0
5.20	11.0	0.27	-0.05	0.0	0.0	40.741	2.455	0.0	0.0	0.0	0
5.22	12.0	0.308	-0.08	0.0	0.0	38.961	2.567	0.0	0.0	0.0	0
5.24	13.0	0.335	-0.09	0.0	0.0	38.806	2.577	0.0	0.0	0.0	0
5.26	16.0	0.344	-0.08	0.0	0.0	46.512	2.15	0.0	0.0	0.0	0
5.28	20.0	0.34	-0.08	0.0	0.0	58.824	1.7	0.0	0.0	0.0	0
5.30	19.0	0.337	-0.11	0.0	0.0	56.38	1.774	0.0	0.0	0.0	0
5.32	15.0	0.284	-0.13	0.0	0.0	52.817	1.893	0.0	0.0	0.0	0
5.34	11.0	0.198	-0.15	0.0	0.0	55.556	1.8	0.0	0.0	0.0	0
5.36	8.0	0.193	-0.15	0.0	0.0	41.451	2.413	0.0	0.0	0.0	0
5.38	6.0	0.235	-0.12	0.0	0.0	25.532	3.917	0.0	0.0	0.0	0
5.40	5.0	0.253	-0.05	0.0	0.0	19.763	5.06	0.0	0.0	0.0	0
5.42	5.0	0.236	0.03	0.0	0.0	21.186	4.72	0.0	0.0	0.0	0
5.44	5.0	0.208	0.13	0.0	0.0	24.038	4.16	0.0	0.0	0.0	0
5.46	4.0	0.197	0.17	0.0	0.0	20.305	4.925	0.0	0.0	0.0	0
5.48	5.0	0.167	0.23	0.0	0.0	29.94	3.34	0.0	0.0	0.0	0
5.50	6.0	0.123	0.33	0.0	0.0	48.78	2.05	0.0	0.0	0.0	0
5.52	5.0	0.104	0.29	0.0	0.0	48.077	2.08	0.0	0.0	0.0	0
5.54	5.0	0.124	0.34	0.0	0.0	40.323	2.48	0.0	0.0	0.0	0
5.56	5.0	0.12	0.38	0.0	0.0	41.667	2.4	0.0	0.0	0.0	0
5.58	5.0	0.123	0.41	0.0	0.0	40.65	2.46	0.0	0.0	0.0	0
5.60	5.0	0.128	0.45	0.0	0.0	39.063	2.56	0.0	0.0	0.0	0
5.62	5.0	0.13	0.53	0.0	0.0	38.462	2.6	0.0	0.0	0.0	0
5.64	5.0	0.12	0.57	0.0	0.0	41.667	2.4	0.0	0.0	0.0	0
5.66	5.0	0.123	0.65	0.0	0.0	40.65	2.46	0.0	0.0	0.0	0
5.68	5.0	0.118	0.71	0.0	0.0	42.373	2.36	0.0	0.0	0.0	0
5.70	4.0	0.117	0.64	0.0	0.0	34.188	2.925	0.0	0.0	0.0	0
5.72	4.0	0.119	0.71	0.0	0.0	33.613	2.975	0.0	0.0	0.0	0
5.74	4.0	0.117	0.76	0.0	0.0	34.188	2.925	0.0	0.0	0.0	0
5.76	4.0	0.108	0.88	0.0	0.0	37.037	2.7	0.0	0.0	0.0	0
5.78	5.0	0.106	1.03	0.0	0.0	47.17	2.12	0.0	0.0	0.0	0
5.80	7.0	0.086	1.17	0.0	0.0	81.395	1.229	0.0	0.0	0.0	0
5.82	7.0	0.082	1.06	0.0	0.0	85.366	1.171	0.0	0.0	0.0	0
5.84	8.0	0.106	0.88	0.0	0.0	75.472	1.325	0.0	0.0	0.0	0
5.86	8.0	0.164	0.82	0.0	0.0	48.78	2.05	0.0	0.0	0.0	0
5.88	8.0	0.222	0.74	0.0	0.0	36.036	2.775	0.0	0.0	0.0	0
5.90	9.0	0.289	0.72	0.0	0.0	31.142	3.211	0.0	0.0	0.0	0
5.92	9.0	0.35	0.67	0.0	0.0	25.714	3.889	0.0	0.0	0.0	0
5.94	9.0	0.415	0.61	0.0	0.0	21.687	4.611	0.0	0.0	0.0	0
5.96	9.0	0.476	0.49	0.0	0.0	18.908	5.289	0.0	0.0	0.0	0
5.98	8.0	0.513	0.49	0.0	0.0	15.595	6.413	0.0	0.0	0.0	0
6.00	8.0	0.529	0.46	0.0	0.0	15.123	6.613	0.0	0.0	0.0	0

6.02	8.0	0.534	0.48	0.0	0.0	14.981	6.675	0.0	0.0	0.0	0
6.04	8.0	0.51	0.46	0.0	0.0	15.686	6.375	0.0	0.0	0.0	0
6.06	8.0	0.513	0.45	0.0	0.0	15.595	6.413	0.0	0.0	0.0	0
6.08	8.0	0.505	0.44	0.0	0.0	15.842	6.313	0.0	0.0	0.0	0
6.10	8.0	0.482	0.59	0.0	0.0	16.598	6.025	0.0	0.0	0.0	0
6.12	8.0	0.473	0.68	0.0	0.0	16.913	5.913	0.0	0.0	0.0	0
6.14	8.0	0.47	0.74	0.0	0.0	17.021	5.875	0.0	0.0	0.0	0
6.16	8.0	0.475	0.86	0.0	0.0	16.842	5.938	0.0	0.0	0.0	0
6.18	8.0	0.467	0.83	0.0	0.0	17.131	5.838	0.0	0.0	0.0	0
6.20	8.0	0.476	0.80	0.0	0.0	16.807	5.95	0.0	0.0	0.0	0
6.22	8.0	0.512	0.82	0.0	0.0	15.625	6.4	0.0	0.0	0.0	0
6.24	8.0	0.506	0.82	0.0	0.0	15.81	6.325	0.0	0.0	0.0	0
6.26	8.0	0.486	0.83	0.0	0.0	16.461	6.075	0.0	0.0	0.0	0
6.28	8.0	0.464	0.82	0.0	0.0	17.241	5.8	0.0	0.0	0.0	0
6.30	8.0	0.454	0.76	0.0	0.0	17.621	5.675	0.0	0.0	0.0	0
6.32	8.0	0.46	0.76	0.0	0.0	17.391	5.75	0.0	0.0	0.0	0
6.34	7.0	0.437	0.80	0.0	0.0	16.018	6.243	0.0	0.0	0.0	0
6.36	8.0	0.405	0.79	0.0	0.0	19.753	5.063	0.0	0.0	0.0	0
6.38	8.0	0.406	0.78	0.0	0.0	19.704	5.075	0.0	0.0	0.0	0
6.40	7.0	0.437	0.79	0.0	0.0	16.018	6.243	0.0	0.0	0.0	0
6.42	7.0	0.455	0.80	0.0	0.0	15.385	6.5	0.0	0.0	0.0	0
6.44	7.0	0.46	0.80	0.0	0.0	15.217	6.571	0.0	0.0	0.0	0
6.46	7.0	0.445	0.82	0.0	0.0	15.73	6.357	0.0	0.0	0.0	0
6.48	8.0	0.443	0.82	0.0	0.0	18.059	5.538	0.0	0.0	0.0	0
6.50	7.0	0.427	0.88	0.0	0.0	16.393	6.1	0.0	0.0	0.0	0
6.52	7.0	0.403	0.87	0.0	0.0	17.37	5.757	0.0	0.0	0.0	0
6.54	7.0	0.405	0.87	0.0	0.0	17.284	5.786	0.0	0.0	0.0	0
6.56	7.0	0.408	0.97	0.0	0.0	17.157	5.829	0.0	0.0	0.0	0
6.58	7.0	0.388	1.02	0.0	0.0	18.041	5.543	0.0	0.0	0.0	0
6.60	8.0	0.386	1.10	0.0	0.0	20.725	4.825	0.0	0.0	0.0	0
6.62	8.0	0.388	1.35	0.0	0.0	20.619	4.85	0.0	0.0	0.0	0
6.64	8.0	0.407	1.66	0.0	0.0	19.656	5.088	0.0	0.0	0.0	0
6.66	9.0	0.396	1.63	0.0	0.0	22.727	4.4	0.0	0.0	0.0	0
6.68	8.0	0.409	1.66	0.0	0.0	19.56	5.113	0.0	0.0	0.0	0
6.70	8.0	0.429	1.90	0.0	0.0	18.648	5.363	0.0	0.0	0.0	0
6.72	8.0	0.467	2.15	0.0	0.0	17.131	5.838	0.0	0.0	0.0	0
6.74	8.0	0.485	2.20	0.0	0.0	16.495	6.063	0.0	0.0	0.0	0
6.76	8.0	0.464	2.30	0.0	0.0	17.241	5.8	0.0	0.0	0.0	0
6.78	8.0	0.469	2.27	0.0	0.0	17.058	5.863	0.0	0.0	0.0	0
6.80	8.0	0.474	2.30	0.0	0.0	16.878	5.925	0.0	0.0	0.0	0
6.82	8.0	0.461	2.49	0.0	0.0	17.354	5.763	0.0	0.0	0.0	0
6.84	8.0	0.45	2.51	0.0	0.0	17.778	5.625	0.0	0.0	0.0	0
6.86	8.0	0.421	2.46	0.0	0.0	19.002	5.263	0.0	0.0	0.0	0
6.88	7.0	0.429	2.51	0.0	0.0	16.317	6.129	0.0	0.0	0.0	0
6.90	7.0	0.436	2.57	0.0	0.0	16.055	6.229	0.0	0.0	0.0	0
6.92	6.0	0.418	2.53	0.0	0.0	14.354	6.967	0.0	0.0	0.0	0
6.94	7.0	0.395	2.54	0.0	0.0	17.722	5.643	0.0	0.0	0.0	0
6.96	7.0	0.37	2.59	0.0	0.0	18.919	5.286	0.0	0.0	0.0	0
6.98	7.0	0.357	2.50	0.0	0.0	19.608	5.1	0.0	0.0	0.0	0
7.00	7.0	0.346	2.50	0.0	0.0	20.231	4.943	0.0	0.0	0.0	0
7.02	7.0	0.331	2.49	0.0	0.0	21.148	4.729	0.0	0.0	0.0	0
7.04	7.0	0.314	2.53	0.0	0.0	22.293	4.486	0.0	0.0	0.0	0
7.06	7.0	0.31	2.59	0.0	0.0	22.581	4.429	0.0	0.0	0.0	0
7.08	7.0	0.328	2.73	0.0	0.0	21.341	4.686	0.0	0.0	0.0	0
7.10	8.0	0.346	2.59	0.0	0.0	23.121	4.325	0.0	0.0	0.0	0
7.12	8.0	0.349	2.62	0.0	0.0	22.923	4.363	0.0	0.0	0.0	0
7.14	9.0	0.337	2.53	0.0	0.0	26.706	3.744	0.0	0.0	0.0	0
7.16	9.0	0.337	2.27	0.0	0.0	26.706	3.744	0.0	0.0	0.0	0
7.18	9.0	0.369	2.32	0.0	0.0	24.39	4.1	0.0	0.0	0.0	0
7.20	8.0	0.415	2.36	0.0	0.0	19.277	5.188	0.0	0.0	0.0	0
7.22	8.0	0.442	2.32	0.0	0.0	18.1	5.525	0.0	0.0	0.0	0
7.24	8.0	0.449	2.35	0.0	0.0	17.817	5.613	0.0	0.0	0.0	0
7.26	7.0	0.474	2.45	0.0	0.0	14.768	6.771	0.0	0.0	0.0	0
7.28	7.0	0.488	2.40	0.0	0.0	14.344	6.971	0.0	0.0	0.0	0
7.30	8.0	0.479	2.45	0.0	0.0	16.701	5.988	0.0	0.0	0.0	0
7.32	8.0	0.463	2.40	0.0	0.0	17.279	5.788	0.0	0.0	0.0	0
7.34	8.0	0.438	2.39	0.0	0.0	18.265	5.475	0.0	0.0	0.0	0
7.36	8.0	0.445	3.11	0.0	0.0	17.978	5.563	0.0	0.0	0.0	0
7.38	8.0	0.445	2.92	0.0	0.0	17.978	5.563	0.0	0.0	0.0	0
7.40	8.0	0.451	2.88	0.0	0.0	17.738	5.638	0.0	0.0	0.0	0

7.42	8.0	0.473	3.03	0.0	0.0	16.913	5.913	0.0	0.0	0.0	0
7.44	9.0	0.476	2.97	0.0	0.0	18.908	5.289	0.0	0.0	0.0	0
7.46	9.0	0.483	2.89	0.0	0.0	18.634	5.367	0.0	0.0	0.0	0
7.48	9.0	0.491	2.77	0.0	0.0	18.33	5.456	0.0	0.0	0.0	0
7.50	9.0	0.467	3.01	0.0	0.0	19.272	5.189	0.0	0.0	0.0	0
7.52	9.0	0.475	3.22	0.0	0.0	18.947	5.278	0.0	0.0	0.0	0
7.54	9.0	0.462	3.08	0.0	0.0	19.481	5.133	0.0	0.0	0.0	0
7.56	10.0	0.458	3.22	0.0	0.0	21.834	4.58	0.0	0.0	0.0	0
7.58	10.0	0.466	3.22	0.0	0.0	21.459	4.66	0.0	0.0	0.0	0
7.60	10.0	0.483	3.11	0.0	0.0	20.704	4.83	0.0	0.0	0.0	0
7.62	10.0	0.491	2.77	0.0	0.0	20.367	4.91	0.0	0.0	0.0	0
7.64	9.0	0.486	2.26	0.0	0.0	18.519	5.4	0.0	0.0	0.0	0
7.66	8.0	0.504	2.21	0.0	0.0	15.873	6.3	0.0	0.0	0.0	0
7.68	8.0	0.503	2.28	0.0	0.0	15.905	6.288	0.0	0.0	0.0	0
7.70	8.0	0.493	2.58	0.0	0.0	16.227	6.163	0.0	0.0	0.0	0
7.72	9.0	0.468	2.53	0.0	0.0	19.231	5.2	0.0	0.0	0.0	0
7.74	9.0	0.443	2.42	0.0	0.0	20.316	4.922	0.0	0.0	0.0	0
7.76	8.0	0.46	2.49	0.0	0.0	17.391	5.75	0.0	0.0	0.0	0
7.78	8.0	0.458	2.54	0.0	0.0	17.467	5.725	0.0	0.0	0.0	0
7.80	9.0	0.449	2.55	0.0	0.0	20.045	4.989	0.0	0.0	0.0	0
7.82	9.0	0.455	2.73	0.0	0.0	19.78	5.056	0.0	0.0	0.0	0
7.84	9.0	0.426	2.70	0.0	0.0	21.127	4.733	0.0	0.0	0.0	0
7.86	9.0	0.415	2.50	0.0	0.0	21.687	4.611	0.0	0.0	0.0	0
7.88	8.0	0.405	2.30	0.0	0.0	19.753	5.063	0.0	0.0	0.0	0
7.90	8.0	0.389	2.42	0.0	0.0	20.566	4.863	0.0	0.0	0.0	0
7.92	8.0	0.38	2.42	0.0	0.0	21.053	4.75	0.0	0.0	0.0	0
7.94	8.0	0.38	2.45	0.0	0.0	21.053	4.75	0.0	0.0	0.0	0
7.96	8.0	0.39	2.45	0.0	0.0	20.513	4.875	0.0	0.0	0.0	0
7.98	8.0	0.402	2.46	0.0	0.0	19.9	5.025	0.0	0.0	0.0	0
8.00	8.0	0.418	2.59	0.0	0.0	19.139	5.225	0.0	0.0	0.0	0
8.02	8.0	0.408	2.46	0.0	0.0	19.608	5.1	0.0	0.0	0.0	0
8.04	8.0	0.39	2.47	0.0	0.0	20.513	4.875	0.0	0.0	0.0	0
8.06	8.0	0.388	2.62	0.0	0.0	20.619	4.85	0.0	0.0	0.0	0
8.08	8.0	0.414	2.47	0.0	0.0	19.324	5.175	0.0	0.0	0.0	0
8.10	8.0	0.422	2.39	0.0	0.0	18.957	5.275	0.0	0.0	0.0	0
8.12	8.0	0.436	2.36	0.0	0.0	18.349	5.45	0.0	0.0	0.0	0
8.14	8.0	0.482	2.42	0.0	0.0	16.598	6.025	0.0	0.0	0.0	0
8.16	8.0	0.526	2.42	0.0	0.0	15.209	6.575	0.0	0.0	0.0	0
8.18	8.0	0.553	2.28	0.0	0.0	14.467	6.913	0.0	0.0	0.0	0
8.20	8.0	0.573	1.85	0.0	0.0	13.962	7.163	0.0	0.0	0.0	0
8.22	8.0	0.573	1.85	0.0	0.0	13.962	7.163	0.0	0.0	0.0	0
8.24	8.0	0.574	1.86	0.0	0.0	13.937	7.175	0.0	0.0	0.0	0
8.26	8.0	0.546	1.88	0.0	0.0	14.652	6.825	0.0	0.0	0.0	0
8.28	8.0	0.517	1.88	0.0	0.0	15.474	6.463	0.0	0.0	0.0	0
8.30	8.0	0.487	1.25	0.0	0.0	16.427	6.088	0.0	0.0	0.0	0
8.32	8.0	0.475	1.36	0.0	0.0	16.842	5.938	0.0	0.0	0.0	0
8.34	8.0	0.483	1.36	0.0	0.0	16.563	6.038	0.0	0.0	0.0	0
8.36	7.0	0.486	1.36	0.0	0.0	14.403	6.943	0.0	0.0	0.0	0
8.38	7.0	0.505	1.37	0.0	0.0	13.861	7.214	0.0	0.0	0.0	0
8.40	7.0	0.523	1.37	0.0	0.0	13.384	7.471	0.0	0.0	0.0	0
8.42	7.0	0.529	1.39	0.0	0.0	13.233	7.557	0.0	0.0	0.0	0
8.44	7.0	0.523	1.39	0.0	0.0	13.384	7.471	0.0	0.0	0.0	0
8.46	8.0	0.491	1.40	0.0	0.0	16.293	6.138	0.0	0.0	0.0	0
8.48	7.0	0.456	1.39	0.0	0.0	15.351	6.514	0.0	0.0	0.0	0
8.50	7.0	0.451	1.71	0.0	0.0	15.521	6.443	0.0	0.0	0.0	0
8.52	7.0	0.436	1.74	0.0	0.0	16.055	6.229	0.0	0.0	0.0	0
8.54	7.0	0.425	1.74	0.0	0.0	16.471	6.071	0.0	0.0	0.0	0
8.56	7.0	0.429	1.74	0.0	0.0	16.317	6.129	0.0	0.0	0.0	0
8.58	7.0	0.424	1.74	0.0	0.0	16.509	6.057	0.0	0.0	0.0	0
8.60	7.0	0.432	1.74	0.0	0.0	16.204	6.171	0.0	0.0	0.0	0
8.62	7.0	0.438	1.73	0.0	0.0	15.982	6.257	0.0	0.0	0.0	0
8.64	7.0	0.425	1.73	0.0	0.0	16.471	6.071	0.0	0.0	0.0	0
8.66	7.0	0.432	1.73	0.0	0.0	16.204	6.171	0.0	0.0	0.0	0
8.68	7.0	0.413	1.73	0.0	0.0	16.949	5.9	0.0	0.0	0.0	0
8.70	7.0	0.39	1.73	0.0	0.0	17.949	5.571	0.0	0.0	0.0	0
8.72	7.0	0.382	1.73	0.0	0.0	18.325	5.457	0.0	0.0	0.0	0
8.74	7.0	0.369	1.71	0.0	0.0	18.97	5.271	0.0	0.0	0.0	0
8.76	7.0	0.356	1.73	0.0	0.0	19.663	5.086	0.0	0.0	0.0	0
8.78	7.0	0.354	1.73	0.0	0.0	19.774	5.057	0.0	0.0	0.0	0
8.80	7.0	0.342	1.73	0.0	0.0	20.468	4.886	0.0	0.0	0.0	0

8.82	7.0	0.353	1.73	0.0	0.0	19.83	5.043	0.0	0.0	0.0	0
8.84	8.0	0.354	1.67	0.0	0.0	22.599	4.425	0.0	0.0	0.0	0
8.86	8.0	0.357	1.73	0.0	0.0	22.409	4.463	0.0	0.0	0.0	0
8.88	8.0	0.346	1.74	0.0	0.0	23.121	4.325	0.0	0.0	0.0	0
8.90	8.0	0.349	1.75	0.0	0.0	22.923	4.363	0.0	0.0	0.0	0
8.92	8.0	0.335	1.77	0.0	0.0	23.881	4.188	0.0	0.0	0.0	0
8.94	9.0	0.338	1.78	0.0	0.0	26.627	3.756	0.0	0.0	0.0	0
8.96	9.0	0.338	1.79	0.0	0.0	26.627	3.756	0.0	0.0	0.0	0
8.98	9.0	0.347	1.81	0.0	0.0	25.937	3.856	0.0	0.0	0.0	0
9.00	9.0	0.346	1.81	0.0	0.0	26.012	3.844	0.0	0.0	0.0	0
9.02	9.0	0.363	1.81	0.0	0.0	24.793	4.033	0.0	0.0	0.0	0
9.04	9.0	0.4	2.04	0.0	0.0	22.5	4.444	0.0	0.0	0.0	0
9.06	8.0	0.403	2.02	0.0	0.0	19.851	5.038	0.0	0.0	0.0	0
9.08	8.0	0.396	2.02	0.0	0.0	20.202	4.95	0.0	0.0	0.0	0
9.10	8.0	0.388	2.02	0.0	0.0	20.619	4.85	0.0	0.0	0.0	0
9.12	8.0	0.381	2.04	0.0	0.0	20.997	4.763	0.0	0.0	0.0	0
9.14	8.0	0.358	2.04	0.0	0.0	22.346	4.475	0.0	0.0	0.0	0
9.16	7.0	0.344	2.04	0.0	0.0	20.349	4.914	0.0	0.0	0.0	0
9.18	7.0	0.333	2.05	0.0	0.0	21.021	4.757	0.0	0.0	0.0	0
9.20	7.0	0.316	2.05	0.0	0.0	22.152	4.514	0.0	0.0	0.0	0
9.22	7.0	0.31	2.05	0.0	0.0	22.581	4.429	0.0	0.0	0.0	0
9.24	7.0	0.304	2.07	0.0	0.0	23.026	4.343	0.0	0.0	0.0	0
9.26	6.0	0.298	2.08	0.0	0.0	20.134	4.967	0.0	0.0	0.0	0
9.28	6.0	0.286	2.08	0.0	0.0	20.979	4.767	0.0	0.0	0.0	0
9.30	6.0	0.276	2.09	0.0	0.0	21.739	4.6	0.0	0.0	0.0	0
9.32	6.0	0.267	2.11	0.0	0.0	22.472	4.45	0.0	0.0	0.0	0
9.34	6.0	0.258	2.11	0.0	0.0	23.256	4.3	0.0	0.0	0.0	0
9.36	6.0	0.247	2.13	0.0	0.0	24.291	4.117	0.0	0.0	0.0	0
9.38	6.0	0.237	2.15	0.0	0.0	25.316	3.95	0.0	0.0	0.0	0
9.40	6.0	0.225	2.15	0.0	0.0	26.667	3.75	0.0	0.0	0.0	0
9.42	6.0	0.221	2.15	0.0	0.0	27.149	3.683	0.0	0.0	0.0	0
9.44	6.0	0.222	2.16	0.0	0.0	27.027	3.7	0.0	0.0	0.0	0
9.46	6.0	0.227	2.16	0.0	0.0	26.432	3.783	0.0	0.0	0.0	0
9.48	6.0	0.234	2.16	0.0	0.0	25.641	3.9	0.0	0.0	0.0	0
9.50	6.0	0.24	2.16	0.0	0.0	25.0	4.0	0.0	0.0	0.0	0
9.52	6.0	0.246	2.15	0.0	0.0	24.39	4.1	0.0	0.0	0.0	0
9.54	6.0	0.253	2.16	0.0	0.0	23.715	4.217	0.0	0.0	0.0	0
9.56	6.0	0.258	2.16	0.0	0.0	23.256	4.3	0.0	0.0	0.0	0
9.58	7.0	0.267	2.17	0.0	0.0	26.217	3.814	0.0	0.0	0.0	0
9.60	7.0	0.257	2.23	0.0	0.0	27.237	3.671	0.0	0.0	0.0	0
9.62	7.0	0.253	2.21	0.0	0.0	27.668	3.614	0.0	0.0	0.0	0
9.64	8.0	0.26	2.16	0.0	0.0	30.769	3.25	0.0	0.0	0.0	0
9.66	7.0	0.285	2.11	0.0	0.0	24.561	4.071	0.0	0.0	0.0	0
9.68	8.0	0.314	2.07	0.0	0.0	25.478	3.925	0.0	0.0	0.0	0
9.70	8.0	0.344	2.05	0.0	0.0	23.256	4.3	0.0	0.0	0.0	0
9.72	8.0	0.366	2.05	0.0	0.0	21.858	4.575	0.0	0.0	0.0	0
9.74	8.0	0.387	2.07	0.0	0.0	20.672	4.838	0.0	0.0	0.0	0
9.76	8.0	0.408	2.11	0.0	0.0	19.608	5.1	0.0	0.0	0.0	0
9.78	8.0	0.424	2.13	0.0	0.0	18.868	5.3	0.0	0.0	0.0	0
9.80	8.0	0.427	2.13	0.0	0.0	18.735	5.338	0.0	0.0	0.0	0
9.82	8.0	0.434	2.08	0.0	0.0	18.433	5.425	0.0	0.0	0.0	0
9.84	8.0	0.45	2.07	0.0	0.0	17.778	5.625	0.0	0.0	0.0	0
9.86	8.0	0.48	1.97	0.0	0.0	16.667	6.0	0.0	0.0	0.0	0
9.88	8.0	0.511	1.86	0.0	0.0	15.656	6.388	0.0	0.0	0.0	0
9.90	8.0	0.55	1.83	0.0	0.0	14.545	6.875	0.0	0.0	0.0	0
9.92	9.0	0.592	1.82	0.0	0.0	15.203	6.578	0.0	0.0	0.0	0
9.94	9.0	0.622	1.81	0.0	0.0	14.469	6.911	0.0	0.0	0.0	0
9.96	8.0	0.641	1.79	0.0	0.0	12.48	8.013	0.0	0.0	0.0	0
9.98	9.0	0.648	1.70	0.0	0.0	13.889	7.2	0.0	0.0	0.0	0
10.00	9.0	0.647	1.71	0.0	0.0	13.91	7.189	0.0	0.0	0.0	0
10.02	9.0	0.628	1.67	0.0	0.0	14.331	6.978	0.0	0.0	0.0	0
10.04	9.0	0.617	1.64	0.0	0.0	14.587	6.856	0.0	0.0	0.0	0
10.06	9.0	0.623	1.64	0.0	0.0	14.446	6.922	0.0	0.0	0.0	0
10.08	10.0	0.633	1.63	0.0	0.0	15.798	6.33	0.0	0.0	0.0	0
10.10	11.0	0.638	1.60	0.0	0.0	17.241	5.8	0.0	0.0	0.0	0
10.12	11.0	0.653	1.59	0.0	0.0	16.845	5.936	0.0	0.0	0.0	0
10.14	12.0	0.685	1.56	0.0	0.0	17.518	5.708	0.0	0.0	0.0	0
10.16	13.0	0.696	1.47	0.0	0.0	18.678	5.354	0.0	0.0	0.0	0
10.18	14.0	0.736	1.44	0.0	0.0	19.022	5.257	0.0	0.0	0.0	0
10.20	15.0	0.776	1.36	0.0	0.0	19.33	5.173	0.0	0.0	0.0	0

10.22	15.0	0.814	1.29	0.0	0.0	18.428	5.427	0.0	0.0	0.0	0
10.24	15.0	0.87	1.21	0.0	0.0	17.241	5.8	0.0	0.0	0.0	0
10.26	15.0	0.93	1.16	0.0	0.0	16.129	6.2	0.0	0.0	0.0	0
10.28	14.0	0.976	1.12	0.0	0.0	14.344	6.971	0.0	0.0	0.0	0
10.30	14.0	1.009	1.05	0.0	0.0	13.875	7.207	0.0	0.0	0.0	0
10.32	14.0	1.046	1.05	0.0	0.0	13.384	7.471	0.0	0.0	0.0	0
10.34	14.0	1.082	1.05	0.0	0.0	12.939	7.729	0.0	0.0	0.0	0
10.36	14.0	1.127	1.09	0.0	0.0	12.422	8.05	0.0	0.0	0.0	0
10.38	14.0	1.148	1.10	0.0	0.0	12.195	8.2	0.0	0.0	0.0	0
10.40	13.0	1.131	1.02	0.0	0.0	11.494	8.7	0.0	0.0	0.0	0
10.42	13.0	1.127	0.98	0.0	0.0	11.535	8.669	0.0	0.0	0.0	0
10.44	13.0	1.119	0.95	0.0	0.0	11.618	8.608	0.0	0.0	0.0	0
10.46	13.0	1.124	0.90	0.0	0.0	11.566	8.646	0.0	0.0	0.0	0
10.48	13.0	1.138	0.90	0.0	0.0	11.424	8.754	0.0	0.0	0.0	0
10.50	13.0	1.138	0.88	0.0	0.0	11.424	8.754	0.0	0.0	0.0	0
10.52	13.0	1.144	0.88	0.0	0.0	11.364	8.8	0.0	0.0	0.0	0
10.54	13.0	1.156	0.87	0.0	0.0	11.246	8.892	0.0	0.0	0.0	0
10.56	12.0	1.155	0.86	0.0	0.0	10.39	9.625	0.0	0.0	0.0	0
10.58	12.0	1.142	0.83	0.0	0.0	10.508	9.517	0.0	0.0	0.0	0
10.60	12.0	1.108	0.80	0.0	0.0	10.83	9.233	0.0	0.0	0.0	0
10.62	12.0	1.065	0.75	0.0	0.0	11.268	8.875	0.0	0.0	0.0	0
10.64	12.0	1.059	0.71	0.0	0.0	11.331	8.825	0.0	0.0	0.0	0
10.66	12.0	1.053	0.71	0.0	0.0	11.396	8.775	0.0	0.0	0.0	0
10.68	12.0	1.063	0.71	0.0	0.0	11.289	8.858	0.0	0.0	0.0	0
10.70	12.0	1.059	0.70	0.0	0.0	11.331	8.825	0.0	0.0	0.0	0
10.72	12.0	1.054	0.67	0.0	0.0	11.385	8.783	0.0	0.0	0.0	0
10.74	12.0	1.052	0.65	0.0	0.0	11.407	8.767	0.0	0.0	0.0	0
10.76	12.0	1.044	0.67	0.0	0.0	11.494	8.7	0.0	0.0	0.0	0
10.78	12.0	1.031	0.64	0.0	0.0	11.639	8.592	0.0	0.0	0.0	0
10.80	12.0	1.022	0.63	0.0	0.0	11.742	8.517	0.0	0.0	0.0	0
10.82	12.0	1.012	0.63	0.0	0.0	11.858	8.433	0.0	0.0	0.0	0
10.84	12.0	1.015	0.60	0.0	0.0	11.823	8.458	0.0	0.0	0.0	0
10.86	12.0	1.037	0.55	0.0	0.0	11.572	8.642	0.0	0.0	0.0	0
10.88	12.0	1.066	0.52	0.0	0.0	11.257	8.883	0.0	0.0	0.0	0
10.90	11.0	1.081	0.52	0.0	0.0	10.176	9.827	0.0	0.0	0.0	0
10.92	12.0	1.087	0.52	0.0	0.0	11.04	9.058	0.0	0.0	0.0	0
10.94	12.0	1.1	0.52	0.0	0.0	10.909	9.167	0.0	0.0	0.0	0
10.96	12.0	1.105	0.52	0.0	0.0	10.86	9.208	0.0	0.0	0.0	0
10.98	12.0	1.107	0.52	0.0	0.0	10.84	9.225	0.0	0.0	0.0	0
11.00	12.0	1.098	0.48	0.0	0.0	10.929	9.15	0.0	0.0	0.0	0
11.02	12.0	1.115	0.46	0.0	0.0	10.762	9.292	0.0	0.0	0.0	0
11.04	12.0	1.108	0.45	0.0	0.0	10.83	9.233	0.0	0.0	0.0	0
11.06	12.0	1.117	0.44	0.0	0.0	10.743	9.308	0.0	0.0	0.0	0
11.08	12.0	1.12	0.40	0.0	0.0	10.714	9.333	0.0	0.0	0.0	0
11.10	12.0	1.135	0.37	0.0	0.0	10.573	9.458	0.0	0.0	0.0	0
11.12	11.0	1.144	0.37	0.0	0.0	9.615	10.4	0.0	0.0	0.0	0
11.14	11.0	1.148	0.37	0.0	0.0	9.582	10.436	0.0	0.0	0.0	0
11.16	11.0	1.132	0.37	0.0	0.0	9.717	10.291	0.0	0.0	0.0	0
11.18	11.0	1.112	0.37	0.0	0.0	9.892	10.109	0.0	0.0	0.0	0
11.20	12.0	1.096	0.38	0.0	0.0	10.949	9.133	0.0	0.0	0.0	0
11.22	11.0	1.095	0.38	0.0	0.0	10.046	9.955	0.0	0.0	0.0	0
11.24	11.0	1.098	0.38	0.0	0.0	10.018	9.982	0.0	0.0	0.0	0
11.26	12.0	1.089	0.38	0.0	0.0	11.019	9.075	0.0	0.0	0.0	0
11.28	12.0	1.096	0.38	0.0	0.0	10.949	9.133	0.0	0.0	0.0	0
11.30	13.0	1.127	0.38	0.0	0.0	11.535	8.669	0.0	0.0	0.0	0
11.32	13.0	1.158	0.38	0.0	0.0	11.226	8.908	0.0	0.0	0.0	0
11.34	14.0	1.164	0.40	0.0	0.0	12.027	8.314	0.0	0.0	0.0	0
11.36	14.0	1.166	0.40	0.0	0.0	12.007	8.329	0.0	0.0	0.0	0
11.38	14.0	1.15	0.40	0.0	0.0	12.174	8.214	0.0	0.0	0.0	0
11.40	14.0	1.181	0.38	0.0	0.0	11.854	8.436	0.0	0.0	0.0	0
11.42	13.0	1.254	0.38	0.0	0.0	10.367	9.646	0.0	0.0	0.0	0
11.44	13.0	1.296	0.38	0.0	0.0	10.031	9.969	0.0	0.0	0.0	0
11.46	13.0	1.31	0.38	0.0	0.0	9.924	10.077	0.0	0.0	0.0	0
11.48	13.0	1.309	0.38	0.0	0.0	9.931	10.069	0.0	0.0	0.0	0
11.50	13.0	1.308	0.38	0.0	0.0	9.939	10.062	0.0	0.0	0.0	0
11.52	13.0	1.335	0.38	0.0	0.0	9.738	10.269	0.0	0.0	0.0	0
11.54	13.0	1.366	0.38	0.0	0.0	9.517	10.508	0.0	0.0	0.0	0
11.56	13.0	1.381	0.38	0.0	0.0	9.413	10.623	0.0	0.0	0.0	0
11.58	12.0	1.382	0.38	0.0	0.0	8.683	11.517	0.0	0.0	0.0	0
11.60	12.0	1.363	0.37	0.0	0.0	8.804	11.358	0.0	0.0	0.0	0

11.62	12.0	1.357	0.38	0.0	0.0	8.843	11.308	0.0	0.0	0.0	0
11.64	12.0	1.347	0.38	0.0	0.0	8.909	11.225	0.0	0.0	0.0	0
11.66	13.0	1.327	0.38	0.0	0.0	9.797	10.208	0.0	0.0	0.0	0
11.68	13.0	1.308	0.38	0.0	0.0	9.939	10.062	0.0	0.0	0.0	0
11.70	12.0	1.296	0.37	0.0	0.0	9.259	10.8	0.0	0.0	0.0	0
11.72	12.0	1.264	0.37	0.0	0.0	9.494	10.533	0.0	0.0	0.0	0
11.74	12.0	1.24	0.37	0.0	0.0	9.677	10.333	0.0	0.0	0.0	0
11.76	12.0	1.212	0.38	0.0	0.0	9.901	10.1	0.0	0.0	0.0	0
11.78	13.0	1.191	0.38	0.0	0.0	10.915	9.162	0.0	0.0	0.0	0
11.80	14.0	1.173	0.38	0.0	0.0	11.935	8.379	0.0	0.0	0.0	0
11.82	15.0	1.16	0.40	0.0	0.0	12.931	7.733	0.0	0.0	0.0	0
11.84	15.0	1.141	0.40	0.0	0.0	13.146	7.607	0.0	0.0	0.0	0
11.86	15.0	1.108	0.40	0.0	0.0	13.538	7.387	0.0	0.0	0.0	0
11.88	14.0	1.044	0.40	0.0	0.0	13.41	7.457	0.0	0.0	0.0	0
11.90	14.0	1.012	0.40	0.0	0.0	13.834	7.229	0.0	0.0	0.0	0
11.92	13.0	0.991	0.38	0.0	0.0	13.118	7.623	0.0	0.0	0.0	0
11.94	12.0	0.952	0.38	0.0	0.0	12.605	7.933	0.0	0.0	0.0	0
11.96	12.0	0.91	0.38	0.0	0.0	13.187	7.583	0.0	0.0	0.0	0
11.98	11.0	0.814	0.44	0.0	0.0	13.514	7.4	0.0	0.0	0.0	0
12.00	10.0	0.791	0.45	0.0	0.0	12.642	7.91	0.0	0.0	0.0	0
12.02	10.0	0.746	0.45	0.0	0.0	13.405	7.46	0.0	0.0	0.0	0
12.04	10.0	0.694	0.46	0.0	0.0	14.409	6.94	0.0	0.0	0.0	0
12.06	11.0	0.647	0.48	0.0	0.0	17.002	5.882	0.0	0.0	0.0	0
12.08	11.0	0.609	0.49	0.0	0.0	18.062	5.536	0.0	0.0	0.0	0
12.10	12.0	0.584	0.52	0.0	0.0	20.548	4.867	0.0	0.0	0.0	0
12.12	13.0	0.562	0.55	0.0	0.0	23.132	4.323	0.0	0.0	0.0	0
12.14	13.0	0.497	0.59	0.0	0.0	26.157	3.823	0.0	0.0	0.0	0
12.16	13.0	0.449	0.64	0.0	0.0	28.953	3.454	0.0	0.0	0.0	0
12.18	13.0	0.436	0.70	0.0	0.0	29.817	3.354	0.0	0.0	0.0	0
12.20	13.0	0.406	0.75	0.0	0.0	32.02	3.123	0.0	0.0	0.0	0
12.22	13.0	0.386	0.79	0.0	0.0	33.679	2.969	0.0	0.0	0.0	0
12.24	13.0	0.375	0.82	0.0	0.0	34.667	2.885	0.0	0.0	0.0	0
12.26	13.0	0.354	0.88	0.0	0.0	36.723	2.723	0.0	0.0	0.0	0
12.28	12.0	0.356	0.94	0.0	0.0	33.708	2.967	0.0	0.0	0.0	0
12.30	12.0	0.338	1.01	0.0	0.0	35.503	2.817	0.0	0.0	0.0	0
12.32	13.0	0.328	1.06	0.0	0.0	39.634	2.523	0.0	0.0	0.0	0
12.34	12.0	0.354	1.09	0.0	0.0	33.898	2.95	0.0	0.0	0.0	0
12.36	12.0	0.337	1.12	0.0	0.0	35.608	2.808	0.0	0.0	0.0	0
12.38	11.0	0.34	1.16	0.0	0.0	32.353	3.091	0.0	0.0	0.0	0
12.40	11.0	0.345	1.17	0.0	0.0	31.884	3.136	0.0	0.0	0.0	0
12.42	10.0	0.334	1.21	0.0	0.0	29.94	3.34	0.0	0.0	0.0	0
12.44	10.0	0.313	1.25	0.0	0.0	31.949	3.13	0.0	0.0	0.0	0
12.46	10.0	0.288	1.29	0.0	0.0	34.722	2.88	0.0	0.0	0.0	0
12.48	10.0	0.262	1.35	0.0	0.0	38.168	2.62	0.0	0.0	0.0	0
12.50	10.0	0.245	1.40	0.0	0.0	40.816	2.45	0.0	0.0	0.0	0
12.52	9.0	0.236	1.50	0.0	0.0	38.136	2.622	0.0	0.0	0.0	0
12.54	9.0	0.212	1.55	0.0	0.0	42.453	2.356	0.0	0.0	0.0	0
12.56	10.0	0.203	1.60	0.0	0.0	49.261	2.03	0.0	0.0	0.0	0
12.58	9.0	0.194	1.63	0.0	0.0	46.392	2.156	0.0	0.0	0.0	0
12.60	9.0	0.196	1.66	0.0	0.0	45.918	2.178	0.0	0.0	0.0	0
12.62	9.0	0.192	1.71	0.0	0.0	46.875	2.133	0.0	0.0	0.0	0
12.64	10.0	0.193	1.77	0.0	0.0	51.813	1.93	0.0	0.0	0.0	0
12.66	10.0	0.191	1.82	0.0	0.0	52.356	1.91	0.0	0.0	0.0	0
12.68	11.0	0.204	1.89	0.0	0.0	53.922	1.855	0.0	0.0	0.0	0
12.70	12.0	0.206	1.97	0.0	0.0	58.252	1.717	0.0	0.0	0.0	0
12.72	13.0	0.221	2.02	0.0	0.0	58.824	1.7	0.0	0.0	0.0	0
12.74	13.0	0.241	2.21	0.0	0.0	53.942	1.854	0.0	0.0	0.0	0
12.76	13.0	0.243	2.31	0.0	0.0	53.498	1.869	0.0	0.0	0.0	0
12.78	14.0	0.262	2.39	0.0	0.0	53.435	1.871	0.0	0.0	0.0	0
12.80	15.0	0.278	2.59	0.0	0.0	53.957	1.853	0.0	0.0	0.0	0
12.82	17.0	0.288	2.78	0.0	0.0	59.028	1.694	0.0	0.0	0.0	0
12.84	19.0	0.313	2.85	0.0	0.0	60.703	1.647	0.0	0.0	0.0	0
12.86	19.0	0.375	2.85	0.0	0.0	50.667	1.974	0.0	0.0	0.0	0
12.88	19.0	0.45	2.88	0.0	0.0	42.222	2.368	0.0	0.0	0.0	0
12.90	19.0	0.553	2.99	0.0	0.0	34.358	2.911	0.0	0.0	0.0	0
12.92	19.0	0.63	3.33	0.0	0.0	30.159	3.316	0.0	0.0	0.0	0
12.94	20.0	0.623	3.26	0.0	0.0	32.103	3.115	0.0	0.0	0.0	0
12.96	18.0	0.755	2.31	0.0	0.0	23.841	4.194	0.0	0.0	0.0	0
12.98	17.0	0.835	1.85	0.0	0.0	20.359	4.912	0.0	0.0	0.0	0
13.00	16.0	0.919	1.82	0.0	0.0	17.41	5.744	0.0	0.0	0.0	0

13.02	15.0	0.964	1.85	0.0	0.0	15.56	6.427	0.0	0.0	0.0	0
13.04	15.0	1.025	1.86	0.0	0.0	14.634	6.833	0.0	0.0	0.0	0
13.06	14.0	1.069	1.88	0.0	0.0	13.096	7.636	0.0	0.0	0.0	0
13.08	15.0	1.023	1.96	0.0	0.0	14.663	6.82	0.0	0.0	0.0	0
13.10	14.0	0.953	2.08	0.0	0.0	14.69	6.807	0.0	0.0	0.0	0
13.12	13.0	0.817	2.11	0.0	0.0	15.912	6.285	0.0	0.0	0.0	0
13.14	13.0	0.702	1.28	0.0	0.0	18.519	5.4	0.0	0.0	0.0	0
13.16	11.0	0.694	1.41	0.0	0.0	15.85	6.309	0.0	0.0	0.0	0
13.18	10.0	0.676	1.50	0.0	0.0	14.793	6.76	0.0	0.0	0.0	0
13.20	10.0	0.612	1.69	0.0	0.0	16.34	6.12	0.0	0.0	0.0	0
13.22	10.0	0.498	1.85	0.0	0.0	20.08	4.98	0.0	0.0	0.0	0
13.24	10.0	0.436	2.08	0.0	0.0	22.936	4.36	0.0	0.0	0.0	0
13.26	11.0	0.424	2.45	0.0	0.0	25.943	3.855	0.0	0.0	0.0	0
13.28	12.0	0.352	2.66	0.0	0.0	34.091	2.933	0.0	0.0	0.0	0
13.30	13.0	0.278	2.80	0.0	0.0	46.763	2.138	0.0	0.0	0.0	0
13.32	14.0	0.288	2.97	0.0	0.0	48.611	2.057	0.0	0.0	0.0	0
13.34	14.0	0.272	3.04	0.0	0.0	51.471	1.943	0.0	0.0	0.0	0
13.36	14.0	0.322	3.03	0.0	0.0	43.478	2.3	0.0	0.0	0.0	0
13.38	14.0	0.383	2.99	0.0	0.0	36.554	2.736	0.0	0.0	0.0	0
13.40	14.0	0.448	2.99	0.0	0.0	31.25	3.2	0.0	0.0	0.0	0
13.42	14.0	0.498	3.01	0.0	0.0	28.112	3.557	0.0	0.0	0.0	0
13.44	14.0	0.512	3.04	0.0	0.0	27.344	3.657	0.0	0.0	0.0	0
13.46	15.0	0.536	3.14	0.0	0.0	27.985	3.573	0.0	0.0	0.0	0
13.48	18.0	0.551	3.29	0.0	0.0	32.668	3.061	0.0	0.0	0.0	0
13.50	19.0	0.549	3.41	0.0	0.0	34.608	2.889	0.0	0.0	0.0	0
13.52	20.0	0.559	3.61	0.0	0.0	35.778	2.795	0.0	0.0	0.0	0
13.54	22.0	0.525	4.74	0.0	0.0	41.905	2.386	0.0	0.0	0.0	0
13.56	22.0	0.561	4.51	0.0	0.0	39.216	2.55	0.0	0.0	0.0	0
13.58	22.0	0.614	4.30	0.0	0.0	35.831	2.791	0.0	0.0	0.0	0
13.60	22.0	0.743	2.70	0.0	0.0	29.61	3.377	0.0	0.0	0.0	0
13.62	22.0	0.844	2.77	0.0	0.0	26.066	3.836	0.0	0.0	0.0	0
13.64	21.0	0.965	2.89	0.0	0.0	21.762	4.595	0.0	0.0	0.0	0
13.66	21.0	1.071	2.91	0.0	0.0	19.608	5.1	0.0	0.0	0.0	0
13.68	23.0	1.152	2.89	0.0	0.0	19.965	5.009	0.0	0.0	0.0	0
13.70	23.0	1.235	2.85	0.0	0.0	18.623	5.37	0.0	0.0	0.0	0
13.72	23.0	1.265	2.84	0.0	0.0	18.182	5.5	0.0	0.0	0.0	0
13.74	23.0	1.272	2.74	0.0	0.0	18.082	5.53	0.0	0.0	0.0	0
13.76	22.0	1.296	2.64	0.0	0.0	16.975	5.891	0.0	0.0	0.0	0
13.78	20.0	1.283	2.49	0.0	0.0	15.588	6.415	0.0	0.0	0.0	0
13.80	18.0	1.278	2.38	0.0	0.0	14.085	7.1	0.0	0.0	0.0	0
13.82	16.0	1.237	2.21	0.0	0.0	12.935	7.731	0.0	0.0	0.0	0
13.84	15.0	1.185	2.09	0.0	0.0	12.658	7.9	0.0	0.0	0.0	0
13.86	13.0	1.129	2.09	0.0	0.0	11.515	8.685	0.0	0.0	0.0	0
13.88	12.0	1.044	2.09	0.0	0.0	11.494	8.7	0.0	0.0	0.0	0
13.90	11.0	0.937	2.13	0.0	0.0	11.74	8.518	0.0	0.0	0.0	0
13.92	11.0	0.794	2.23	0.0	0.0	13.854	7.218	0.0	0.0	0.0	0
13.94	12.0	0.49	4.11	0.0	0.0	24.49	4.083	0.0	0.0	0.0	0
13.96	12.0	0.407	4.20	0.0	0.0	29.484	3.392	0.0	0.0	0.0	0
13.98	12.0	0.357	4.32	0.0	0.0	33.613	2.975	0.0	0.0	0.0	0
14.00	12.0	0.32	4.62	0.0	0.0	37.5	2.667	0.0	0.0	0.0	0
14.02	12.0	0.272	4.74	0.0	0.0	44.118	2.267	0.0	0.0	0.0	0
14.04	12.0	0.259	4.81	0.0	0.0	46.332	2.158	0.0	0.0	0.0	0
14.06	13.0	0.247	4.90	0.0	0.0	52.632	1.9	0.0	0.0	0.0	0
14.08	13.0	0.239	4.95	0.0	0.0	54.393	1.838	0.0	0.0	0.0	0
14.10	13.0	0.237	4.98	0.0	0.0	54.852	1.823	0.0	0.0	0.0	0
14.12	13.0	0.236	4.97	0.0	0.0	55.085	1.815	0.0	0.0	0.0	0
14.14	12.0	0.254	5.02	0.0	0.0	47.244	2.117	0.0	0.0	0.0	0
14.16	12.0	0.243	5.19	0.0	0.0	49.383	2.025	0.0	0.0	0.0	0
14.18	13.0	0.231	5.36	0.0	0.0	56.277	1.777	0.0	0.0	0.0	0
14.20	13.0	0.218	5.39	0.0	0.0	59.633	1.677	0.0	0.0	0.0	0
14.22	13.0	0.224	5.35	0.0	0.0	58.036	1.723	0.0	0.0	0.0	0
14.24	12.0	0.237	5.32	0.0	0.0	50.633	1.975	0.0	0.0	0.0	0
14.26	12.0	0.243	5.32	0.0	0.0	49.383	2.025	0.0	0.0	0.0	0
14.28	12.0	0.243	5.32	0.0	0.0	49.383	2.025	0.0	0.0	0.0	0
14.30	11.0	0.248	5.32	0.0	0.0	44.355	2.255	0.0	0.0	0.0	0
14.32	12.0	0.241	5.39	0.0	0.0	49.793	2.008	0.0	0.0	0.0	0
14.34	14.0	0.239	5.55	0.0	0.0	58.577	1.707	0.0	0.0	0.0	0
14.36	16.0	0.221	5.48	0.0	0.0	72.398	1.381	0.0	0.0	0.0	0
14.38	15.0	0.225	3.42	0.0	0.0	66.667	1.5	0.0	0.0	0.0	0
14.40	14.0	0.289	3.35	0.0	0.0	48.443	2.064	0.0	0.0	0.0	0

14.42	13.0	0.279	4.03	0.0	0.0	46.595	2.146	0.0	0.0	0.0	0
14.44	13.0	0.28	3.98	0.0	0.0	46.429	2.154	0.0	0.0	0.0	0
14.46	13.0	0.345	3.99	0.0	0.0	37.681	2.654	0.0	0.0	0.0	0
14.48	15.0	0.377	4.14	0.0	0.0	39.788	2.513	0.0	0.0	0.0	0
14.50	16.0	0.353	3.60	0.0	0.0	45.326	2.206	0.0	0.0	0.0	0
14.52	16.0	0.391	2.68	0.0	0.0	40.921	2.444	0.0	0.0	0.0	0
14.54	15.0	0.393	2.35	0.0	0.0	38.168	2.62	0.0	0.0	0.0	0
14.56	14.0	0.4	2.57	0.0	0.0	35.0	2.857	0.0	0.0	0.0	0
14.58	13.0	0.386	3.22	0.0	0.0	33.679	2.969	0.0	0.0	0.0	0
14.60	13.0	0.358	3.30	0.0	0.0	36.313	2.754	0.0	0.0	0.0	0
14.62	13.0	0.382	3.53	0.0	0.0	34.031	2.938	0.0	0.0	0.0	0
14.64	14.0	0.383	3.67	0.0	0.0	36.554	2.736	0.0	0.0	0.0	0
14.66	15.0	0.365	3.98	0.0	0.0	41.096	2.433	0.0	0.0	0.0	0
14.68	15.0	0.345	3.37	0.0	0.0	43.478	2.3	0.0	0.0	0.0	0
14.70	14.0	0.388	3.50	0.0	0.0	36.082	2.771	0.0	0.0	0.0	0
14.72	13.0	0.403	3.57	0.0	0.0	32.258	3.1	0.0	0.0	0.0	0
14.74	12.0	0.382	3.73	0.0	0.0	31.414	3.183	0.0	0.0	0.0	0
14.76	12.0	0.374	3.88	0.0	0.0	32.086	3.117	0.0	0.0	0.0	0
14.78	12.0	0.382	3.91	0.0	0.0	31.414	3.183	0.0	0.0	0.0	0
14.80	13.0	0.39	3.99	0.0	0.0	33.333	3.0	0.0	0.0	0.0	0
14.82	13.0	0.4	4.14	0.0	0.0	32.5	3.077	0.0	0.0	0.0	0
14.84	12.0	0.346	4.25	0.0	0.0	34.682	2.883	0.0	0.0	0.0	0
14.86	13.0	0.298	4.24	0.0	0.0	43.624	2.292	0.0	0.0	0.0	0
14.88	13.0	0.295	4.37	0.0	0.0	44.068	2.269	0.0	0.0	0.0	0
14.90	14.0	0.267	4.52	0.0	0.0	52.434	1.907	0.0	0.0	0.0	0
14.92	17.0	0.5	4.51	0.0	0.0	34.0	2.941	0.0	0.0	0.0	0
14.94	17.0	0.544	4.56	0.0	0.0	31.25	3.2	0.0	0.0	0.0	0
14.96	18.0	0.586	4.63	0.0	0.0	30.717	3.256	0.0	0.0	0.0	0
14.98	18.0	0.598	4.67	0.0	0.0	30.1	3.322	0.0	0.0	0.0	0
15.00	0.0	0.388	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0

NATURA LITOLOGICA (Robertson 1986)

Profondità (m)	Litologia: Robertson 1986
0.02	Terreni fini molto sensitivi
0.04	Limi argillosi e Argille limose
0.06	Limi argillosi e Argille limose
0.08	Limi argillosi e Argille limose
0.10	Limi argillosi e Argille limose
0.12	Limi argillosi e Argille limose
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0.18	Limi argillosi e Argille limose
0.20	Limi argillosi e Argille limose
0.22	Limi argillosi e Argille limose
0.24	Argille limose - Argille
0.26	Argille
0.28	Argille limose - Argille
0.30	Argille
0.32	Argille
0.34	Argille
0.36	Argille
0.38	Argille
0.40	Argille
0.42	Argille
0.44	Argille
0.46	Sabbie - Sabbie limose
0.48	Sabbie
0.50	Sabbie
0.52	Sabbie
0.54	Sabbie
0.56	Sabbie limose - Limi argillosi
0.58	Argille
0.60	Limi argillosi e Argille limose
0.62	Limi argillosi e Argille limose
0.64	Limi argillosi e Argille limose
0.66	Argille limose - Argille
0.68	Limi sabbiosi e Limi argillosi
0.70	Limi sabbiosi e Limi argillosi
0.72	Limi sabbiosi e Limi argillosi

0.74	Limi sabbiosi e Limi argillosi
0.76	Limi sabbiosi e Limi argillosi
0.78	Limi sabbiosi e Limi argillosi
0.80	Sabbie limose - Limi argillosi
0.82	Limi sabbiosi e Limi argillosi
0.84	Limi sabbiosi e Limi argillosi
0.86	Sabbie limose - Limi argillosi
0.88	Sabbie limose - Limi argillosi
0.90	Sabbie limose - Limi argillosi
0.92	Sabbie limose - Limi argillosi
0.94	Sabbie - Sabbie limose
0.96	Sabbie - Sabbie limose
0.98	Sabbie limose - Limi argillosi
1.00	Limi argillosi e Argille limose
1.02	Limi sabbiosi e Limi argillosi
1.04	Limi argillosi e Argille limose
1.06	Limi argillosi e Argille limose
1.08	Limi argillosi e Argille limose
1.10	Limi argillosi e Argille limose
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1.48	Limi sabbiosi e Limi argillosi
1.50	Limi sabbiosi e Limi argillosi
1.52	Limi sabbiosi e Limi argillosi
1.54	Limi sabbiosi e Limi argillosi
1.56	Limi sabbiosi e Limi argillosi
1.58	Limi argillosi e Argille limose
1.60	Limi argillosi e Argille limose
1.62	Argille limose - Argille
1.64	Argille limose - Argille
1.66	Argille limose - Argille
1.68	Argille limose - Argille
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2.38	Argille limose - Argille
2.40	Argille limose - Argille
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2.44	Argille limose - Argille
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2.84	Argille
2.86	Argille
2.88	Argille
2.90	Argille limose - Argille
2.92	Argille limose - Argille
2.94	Limi argillosi e Argille limose
2.96	Limi argillosi e Argille limose
2.98	Limi argillosi e Argille limose
3.00	Argille limose - Argille
3.02	Argille limose - Argille
3.04	Argille
3.06	Argille
3.08	Argille
3.10	Argille
3.12	Argille
3.14	Argille limose - Argille
3.16	Limi argillosi e Argille limose
3.18	Limi argillosi e Argille limose
3.20	Limi argillosi e Argille limose
3.22	Limi argillosi e Argille limose
3.24	Limi argillosi e Argille limose
3.26	Argille limose - Argille
3.28	Argille limose - Argille
3.30	Limi sabbiosi e Limi argillosi
3.32	Limi sabbiosi e Limi argillosi
3.34	Limi argillosi e Argille limose
3.36	Limi argillosi e Argille limose
3.38	Argille limose - Argille
3.40	Argille limose - Argille
3.42	Argille limose - Argille
3.44	Argille limose - Argille
3.46	Limi argillosi e Argille limose
3.48	Limi sabbiosi e Limi argillosi
3.50	Limi sabbiosi e Limi argillosi
3.52	Limi sabbiosi e Limi argillosi

3.54	Limi sabbiosi e Limi argillosi
3.56	Limi sabbiosi e Limi argillosi
3.58	Limi argillosi e Argille limose
3.60	Limi argillosi e Argille limose
3.62	Argille limose - Argille
3.64	Limi argillosi e Argille limose
3.66	Limi sabbiosi e Limi argillosi
3.68	Limi argillosi e Argille limose
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3.78	Limi argillosi e Argille limose
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3.88	Limi argillosi e Argille limose
3.90	Limi sabbiosi e Limi argillosi
3.92	Sabbie limose - Limi argillosi
3.94	Limi sabbiosi e Limi argillosi
3.96	Limi sabbiosi e Limi argillosi
3.98	Limi sabbiosi e Limi argillosi
4.00	Limi sabbiosi e Limi argillosi
4.02	Limi sabbiosi e Limi argillosi
4.04	Limi sabbiosi e Limi argillosi
4.06	Limi sabbiosi e Limi argillosi
4.08	Limi argillosi e Argille limose
4.10	Terreni fini molto sensitivi
4.12	Terreni fini molto sensitivi
4.14	Terreni fini molto sensitivi
4.16	Terreni fini molto sensitivi
4.18	Argille
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4.38	Argille limose - Argille
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4.46	Argille
4.48	Argille limose - Argille
4.50	Limi argillosi e Argille limose
4.52	Limi argillosi e Argille limose
4.54	Limi argillosi e Argille limose
4.56	Limi sabbiosi e Limi argillosi
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4.96	Limi sabbiosi e Limi argillosi
4.98	Limi sabbiosi e Limi argillosi
5.00	Limi argillosi e Argille limose
5.02	Argille limose - Argille
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5.80	Terreni fini molto sensitivi
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5.84	Limi argillosi e Argille limose
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12.26	Limi argillosi e Argille limose
12.28	Argille limose - Argille
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12.48	Argille limose - Argille
12.50	Argille limose - Argille
12.52	Argille limose - Argille
12.54	Argille limose - Argille
12.56	Limi argillosi e Argille limose
12.58	Argille limose - Argille
12.60	Argille limose - Argille
12.62	Argille limose - Argille
12.64	Limi argillosi e Argille limose
12.66	Limi argillosi e Argille limose
12.68	Limi argillosi e Argille limose
12.70	Limi argillosi e Argille limose
12.72	Limi argillosi e Argille limose
12.74	Limi argillosi e Argille limose
12.76	Limi argillosi e Argille limose
12.78	Limi argillosi e Argille limose
12.80	Limi argillosi e Argille limose
12.82	Limi sabbiosi e Limi argillosi
12.84	Limi sabbiosi e Limi argillosi
12.86	Limi sabbiosi e Limi argillosi
12.88	Limi argillosi e Argille limose
12.90	Limi argillosi e Argille limose
12.92	Limi argillosi e Argille limose
12.94	Limi argillosi e Argille limose
12.96	Argille
12.98	Argille
13.00	Argille
13.02	Argille
13.04	Argille
13.06	Argille
13.08	Argille
13.10	Argille
13.12	Argille
13.14	Argille
13.16	Argille
13.18	Argille
13.20	Argille
13.22	Argille
13.24	Argille
13.26	Argille
13.28	Argille limose - Argille
13.30	Limi argillosi e Argille limose
13.32	Limi argillosi e Argille limose

13.34	Limi argillosi e Argille limose
13.36	Limi argillosi e Argille limose
13.38	Limi argillosi e Argille limose
13.40	Argille limose - Argille
13.42	Argille limose - Argille
13.44	Argille limose - Argille
13.46	Argille limose - Argille
13.48	Limi argillosi e Argille limose
13.50	Limi argillosi e Argille limose
13.52	Limi argillosi e Argille limose
13.54	Limi argillosi e Argille limose
13.56	Limi argillosi e Argille limose
13.58	Limi argillosi e Argille limose
13.60	Limi argillosi e Argille limose
13.62	Argille limose - Argille
13.64	Argille
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13.90	Argille
13.92	Argille
13.94	Argille
13.96	Argille limose - Argille
13.98	Argille limose - Argille
14.00	Limi argillosi e Argille limose
14.02	Limi argillosi e Argille limose
14.04	Limi argillosi e Argille limose
14.06	Limi argillosi e Argille limose
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14.34	Limi argillosi e Argille limose
14.36	Limi sabbiosi e Limi argillosi
14.38	Limi sabbiosi e Limi argillosi
14.40	Limi argillosi e Argille limose
14.42	Limi argillosi e Argille limose
14.44	Limi argillosi e Argille limose
14.46	Limi argillosi e Argille limose
14.48	Limi argillosi e Argille limose
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14.52	Limi argillosi e Argille limose
14.54	Limi argillosi e Argille limose
14.56	Limi argillosi e Argille limose
14.58	Argille limose - Argille
14.60	Limi argillosi e Argille limose
14.62	Argille limose - Argille
14.64	Limi argillosi e Argille limose
14.66	Limi argillosi e Argille limose
14.68	Limi argillosi e Argille limose
14.70	Limi argillosi e Argille limose
14.72	Argille limose - Argille

14.74	Argille limose - Argille
14.76	Argille limose - Argille
14.78	Argille limose - Argille
14.80	Argille limose - Argille
14.82	Argille limose - Argille
14.84	Argille limose - Argille
14.86	Limi argillosi e Argille limose
14.88	Limi argillosi e Argille limose
14.90	Limi argillosi e Argille limose
14.92	Limi argillosi e Argille limose
14.94	Limi argillosi e Argille limose
14.96	Limi argillosi e Argille limose
14.98	Argille limose - Argille
15.00	Stima non eseguibile

STIMA PARAMETRI GEOTECNICI

Nr:	Numero progressivo strato
Prof:	Profondità strato (m)
Tipo:	C: Coesivo. I: Incoerente. CI: Coesivo-Incoerente
Cu:	Coesione non drenata (Kg/cm ²)
Eu:	Modulo di deformazione non drenato (Kg/cm ²)
Mo:	Modulo Edometrico (Kg/cm ²)
G:	Modulo di deformazione a taglio (Kg/cm ²)
OCR:	Grado di sovraconsolidazione
Puv:	Peso unità di volume (t/m ³)
PuvS:	Peso unità di volume saturo (t/m ³)
Dr:	Densità relativa (%)
Fi:	Angolo di resistenza al taglio (°)
Ey:	Modulo di Young (Kg/cm ²)
Vs:	Velocità onde di taglio (m/s)

Nr.	Prof.	Tipo	Cu	Eu	Mo	G	OCR	Puv	PuvS	Dr	Fi	Ey	Vs
1	0.02	CI	0.5	337.4	41.2	107.2	<0.5	1.8	1.9	100.0	45.0	22.5	96.72
2	0.22	C	0.8	614.2	47.7	154.7	>9	1.9	2.0	--	--	--	129.99
3	0.44	C	0.9	638.5	47.1	158.6	>9	1.9	2.0	--	--	--	154.46
4	0.56	I	--	--	152.4	471.4	<0.5	1.9	2.2	100.0	44.2	254.0	292.63
5	0.58	C	1.1	783.2	42.0	179.9	>9	2.0	2.1	--	--	--	175.97
6	0.64	C	1.7	1295.4	69.3	244.4	>9	2.1	2.1	--	--	--	194.85
7	0.66	C	1.7	1232.6	66.0	237.1	>9	2.1	2.1	--	--	--	195.18
8	0.78	CI	2.3	1719.5	92.0	290.5	0.6	2.1	2.2	91.7	38.4	115.0	251.67
9	0.80	CI	3.3	2469.0	132.0	362.2	<0.5	2.2	2.3	100.0	39.7	165.0	278.89
10	0.84	CI	2.9	2150.0	115.0	332.9	0.5	2.1	2.2	96.1	38.8	143.8	270.76
11	0.98	CI	3.4	2559.1	136.9	370.2	<0.5	2.2	2.3	99.4	39.1	171.1	286.82
12	1.60	C	1.4	1055.8	56.8	216.4	>9	2.0	2.1	--	--	--	212.51
13	2.92	C	0.4	247.3	35.4	92.3	3.3	1.8	1.9	--	--	--	179.85
14	2.98	C	0.4	279.5	38.4	99.8	1.6	1.8	1.9	--	--	--	189.77
15	3.14	C	0.2	152.6	25.7	71.4	1.4	1.7	1.8	--	--	--	172.33
16	3.24	C	0.5	323.7	41.7	108.7	1.7	1.8	1.9	--	--	--	195.79
17	3.28	C	0.4	241.0	35.2	91.9	1.6	1.8	1.9	--	--	--	186.64
18	3.36	CI	0.5	381.4	45.0	119.5	<0.5	1.9	1.9	8.5	24.3	26.9	207.52
19	3.44	C	0.3	231.2	34.3	89.9	1.8	1.8	1.9	--	--	--	186.02
20	3.60	C	0.6	451.1	47.5	131.8	1.7	1.9	2.0	--	--	--	208.93
21	3.62	C	0.4	239.8	35.2	91.9	1.3	1.8	1.9	--	--	--	188.18
22	3.78	C	0.5	370.8	44.5	117.8	1.7	1.9	1.9	--	--	--	202.93
23	3.86	C	0.3	201.6	31.5	83.7	2.0	1.8	1.8	--	--	--	183.92
24	3.90	C	0.7	463.9	47.8	134.2	1.5	1.9	2.0	--	--	--	211.86
25	3.92	CI	1.1	763.8	42.0	179.9	<0.5	2.0	2.1	29.4	27.2	52.5	248.19
26	4.08	CI	0.7	533.8	48.4	145.7	<0.5	1.9	2.0	17.3	25.4	37.2	227.98
27	4.16	CI	0.3	219.4	33.4	87.9	<0.5	1.8	1.8	5.0	21.2	16.3	185.58
28	4.48	C	0.2	143.6	25.2	70.2	1.5	1.7	1.8	--	--	--	176.60
29	5.00	C	0.7	514.3	48.4	143.0	1.4	1.9	2.0	--	--	--	220.04
30	5.02	C	0.4	272.5	38.4	99.8	1.6	1.8	1.9	--	--	--	198.84
31	5.14	C	0.6	453.5	47.7	133.2	1.5	1.9	2.0	--	--	--	216.88
32	5.18	C	0.5	347.0	43.5	114.3	2.3	1.8	1.9	--	--	--	207.62
33	5.34	C	0.7	520.1	48.4	144.2	2.8	1.9	2.0	--	--	--	222.83
34	5.78	C	0.3	158.1	27.4	74.9	1.3	1.7	1.8	--	--	--	184.60
35	5.82	CI	0.4	232.2	35.2	91.9	<0.5	1.8	1.9	5.0	20.5	17.5	194.24

36	5.84	C	0.4	269.6	38.4	99.8	0.9	1.8	1.9	--	--	--	202.04
37	12.24	C	0.5	310.2	42.2	110.1	3.9	1.8	1.9	--	--	--	219.40
38	12.26	C	0.7	433.0	47.8	134.2	1.7	1.9	2.0	--	--	--	242.10
39	12.30	C	0.6	395.4	46.8	127.8	1.6	1.9	1.9	--	--	--	238.69
40	12.32	C	0.7	432.8	47.8	134.2	1.5	1.9	2.0	--	--	--	242.24
41	12.54	C	0.5	333.6	44.3	116.9	1.4	1.8	1.9	--	--	--	232.78
42	12.56	C	0.5	319.5	43.5	114.3	0.9	1.8	1.9	--	--	--	231.55
43	12.62	C	0.5	281.9	41.2	107.2	0.9	1.8	1.9	--	--	--	227.25
44	12.94	C	0.8	513.3	48.4	147.6	1.5	1.9	2.0	--	--	--	250.28
45	13.28	C	0.7	436.7	47.9	135.3	3.4	1.9	2.0	--	--	--	244.73
46	13.38	C	0.7	459.3	48.3	139.2	1.3	1.9	2.0	--	--	--	247.34
47	13.46	C	0.7	475.9	48.4	142.0	2.2	1.9	2.0	--	--	--	248.99
48	13.60	C	1.0	717.9	41.4	178.4	2.6	2.0	2.0	--	--	--	266.72
49	13.98	C	0.9	591.4	46.8	160.2	4.4	1.9	2.0	--	--	--	259.02
50	14.56	C	0.7	435.0	48.0	135.7	1.1	1.9	2.0	--	--	--	247.71
51	14.58	C	0.7	424.9	47.8	134.2	1.6	1.9	2.0	--	--	--	247.53
52	14.60	C	0.7	424.9	47.8	134.2	1.5	1.9	2.0	--	--	--	247.57
53	14.62	C	0.7	424.8	47.8	134.2	1.6	1.9	2.0	--	--	--	247.61
54	14.70	C	0.7	480.9	48.4	143.5	1.5	1.9	2.0	--	--	--	252.67
55	14.84	C	0.6	402.8	47.3	130.6	1.5	1.9	1.9	--	--	--	245.95
56	14.96	C	0.8	511.3	48.3	148.4	1.7	1.9	2.0	--	--	--	255.76
57	14.98	C	0.9	611.1	45.9	163.7	2.4	1.9	2.0	--	--	--	263.44

PROVA ...CPTU N°10

Committente: Comune di San Giovanni Persiceto

Strumento utilizzato: PAGANI 200 kN (CPTU)

Prova eseguita in data: 05/11/2017

Profondità prova: 15.00 mt

Località: S. Giovanni Persiceto

RESISTENZE / LITOLOGIE

Profondità

qc	Resistenza punta (Kg/cm ²);
fs	Resistenza laterale (Kg/cm ²);
Tilt	Inclinazione (°)
Temp	Temperatura (°)
Fr	fs/qcx100 (Schmertmann)
qcn	qc normalizzata (Kg/cm ²);
fsn	fs normalizzato (Kg/cm ²);
U2	Pressione neutrale intorno al cono (Kg/cm ²);
Uo	Pressione neutrale rilevata (Kg/cm ²);
Fc	Contenuto in materiale fine(%)

Profondità	qc	fs	U2	Tilt	Temp	qc/fs	Fr	Uo	qcn	fsn	FC%
0.02	10.0	0.152	-0.08	0.0	0.0	65.789	1.52	0.0	0.0	0.0	0
0.04	13.0	0.224	-0.07	0.0	0.0	58.036	1.723	0.0	0.0	0.0	0
0.06	15.0	0.334	-0.07	0.0	0.0	44.91	2.227	0.0	0.0	0.0	0
0.08	17.0	0.441	-0.05	0.0	0.0	38.549	2.594	0.0	0.0	0.0	0
0.10	18.0	0.549	-0.07	0.0	0.0	32.787	3.05	0.0	0.0	0.0	0
0.12	20.0	0.642	-0.05	0.0	0.0	31.153	3.21	0.0	0.0	0.0	0
0.14	22.0	0.736	-0.05	0.0	0.0	29.891	3.345	0.0	0.0	0.0	0
0.16	25.0	0.872	-0.05	0.0	0.0	28.67	3.488	0.0	0.0	0.0	0
0.18	36.0	0.994	-0.07	0.0	0.0	36.217	2.761	0.0	0.0	0.0	0
0.20	37.0	0.921	0.02	0.0	0.0	40.174	2.489	0.0	0.0	0.0	0
0.22	41.0	0.889	0.11	0.0	0.0	46.119	2.168	0.0	0.0	0.0	0
0.24	44.0	0.867	0.00	0.0	0.0	50.75	1.97	0.0	0.0	0.0	0
0.26	40.0	0.868	-0.04	0.0	0.0	46.083	2.17	0.0	0.0	0.0	0
0.28	29.0	0.909	0.04	0.0	0.0	31.903	3.134	0.0	0.0	0.0	0
0.30	21.0	1.106	-0.15	0.0	0.0	18.987	5.267	0.0	0.0	0.0	0
0.32	20.0	1.256	-0.15	0.0	0.0	15.924	6.28	0.0	0.0	0.0	0
0.34	19.0	1.412	-0.15	0.0	0.0	13.456	7.432	0.0	0.0	0.0	0
0.36	19.0	1.495	-0.15	0.0	0.0	12.709	7.868	0.0	0.0	0.0	0
0.38	19.0	1.473	-0.16	0.0	0.0	12.899	7.753	0.0	0.0	0.0	0
0.40	19.0	1.407	-0.16	0.0	0.0	13.504	7.405	0.0	0.0	0.0	0
0.42	18.0	1.388	-0.16	0.0	0.0	12.968	7.711	0.0	0.0	0.0	0
0.44	17.0	1.355	-0.17	0.0	0.0	12.546	7.971	0.0	0.0	0.0	0

0.46	16.0	1.318	-0.17	0.0	0.0	12.14	8.238	0.0	0.0	0.0	0
0.48	15.0	1.287	-0.17	0.0	0.0	11.655	8.58	0.0	0.0	0.0	0
0.50	15.0	1.257	-0.19	0.0	0.0	11.933	8.38	0.0	0.0	0.0	0
0.52	15.0	1.219	-0.17	0.0	0.0	12.305	8.127	0.0	0.0	0.0	0
0.54	15.0	1.194	-0.19	0.0	0.0	12.563	7.96	0.0	0.0	0.0	0
0.56	15.0	1.178	-0.20	0.0	0.0	12.733	7.853	0.0	0.0	0.0	0
0.58	14.0	1.155	-0.20	0.0	0.0	12.121	8.25	0.0	0.0	0.0	0
0.60	14.0	1.128	-0.19	0.0	0.0	12.411	8.057	0.0	0.0	0.0	0
0.62	13.0	1.093	-0.20	0.0	0.0	11.894	8.408	0.0	0.0	0.0	0
0.64	12.0	1.071	-0.20	0.0	0.0	11.204	8.925	0.0	0.0	0.0	0
0.66	11.0	1.037	-0.21	0.0	0.0	10.608	9.427	0.0	0.0	0.0	0
0.68	10.0	0.981	-0.21	0.0	0.0	10.194	9.81	0.0	0.0	0.0	0
0.70	9.0	0.885	-0.21	0.0	0.0	10.169	9.833	0.0	0.0	0.0	0
0.72	9.0	0.767	-0.20	0.0	0.0	11.734	8.522	0.0	0.0	0.0	0
0.74	9.0	0.662	-0.20	0.0	0.0	13.595	7.356	0.0	0.0	0.0	0
0.76	8.0	0.574	-0.20	0.0	0.0	13.937	7.175	0.0	0.0	0.0	0
0.78	8.0	0.508	-0.20	0.0	0.0	15.748	6.35	0.0	0.0	0.0	0
0.80	7.0	0.478	-0.20	0.0	0.0	14.644	6.829	0.0	0.0	0.0	0
0.82	7.0	0.46	-0.20	0.0	0.0	15.217	6.571	0.0	0.0	0.0	0
0.84	7.0	0.446	-0.20	0.0	0.0	15.695	6.371	0.0	0.0	0.0	0
0.86	7.0	0.428	-0.20	0.0	0.0	16.355	6.114	0.0	0.0	0.0	0
0.88	8.0	0.409	-0.20	0.0	0.0	19.56	5.113	0.0	0.0	0.0	0
0.90	8.0	0.398	-0.19	0.0	0.0	20.101	4.975	0.0	0.0	0.0	0
0.92	8.0	0.379	-0.19	0.0	0.0	21.108	4.738	0.0	0.0	0.0	0
0.94	7.0	0.359	-0.19	0.0	0.0	19.499	5.129	0.0	0.0	0.0	0
0.96	7.0	0.349	-0.19	0.0	0.0	20.057	4.986	0.0	0.0	0.0	0
0.98	6.0	0.355	-0.20	0.0	0.0	16.901	5.917	0.0	0.0	0.0	0
1.00	6.0	0.374	-0.19	0.0	0.0	16.043	6.233	0.0	0.0	0.0	0
1.02	5.0	0.384	-0.20	0.0	0.0	13.021	7.68	0.0	0.0	0.0	0
1.04	5.0	0.373	-0.19	0.0	0.0	13.405	7.46	0.0	0.0	0.0	0
1.06	6.0	0.348	-0.19	0.0	0.0	17.241	5.8	0.0	0.0	0.0	0
1.08	6.0	0.318	-0.17	0.0	0.0	18.868	5.3	0.0	0.0	0.0	0
1.10	6.0	0.288	-0.17	0.0	0.0	20.833	4.8	0.0	0.0	0.0	0
1.12	6.0	0.262	-0.17	0.0	0.0	22.901	4.367	0.0	0.0	0.0	0
1.14	6.0	0.248	-0.17	0.0	0.0	24.194	4.133	0.0	0.0	0.0	0
1.16	7.0	0.233	-0.16	0.0	0.0	30.043	3.329	0.0	0.0	0.0	0
1.18	7.0	0.233	-0.16	0.0	0.0	30.043	3.329	0.0	0.0	0.0	0
1.20	6.0	0.245	-0.15	0.0	0.0	24.49	4.083	0.0	0.0	0.0	0
1.22	6.0	0.277	-0.15	0.0	0.0	21.661	4.617	0.0	0.0	0.0	0
1.24	5.0	0.304	-0.15	0.0	0.0	16.447	6.08	0.0	0.0	0.0	0
1.26	5.0	0.323	-0.09	0.0	0.0	15.48	6.46	0.0	0.0	0.0	0
1.28	5.0	0.305	-0.08	0.0	0.0	16.393	6.1	0.0	0.0	0.0	0
1.30	5.0	0.276	-0.08	0.0	0.0	18.116	5.52	0.0	0.0	0.0	0
1.32	5.0	0.236	-0.08	0.0	0.0	21.186	4.72	0.0	0.0	0.0	0
1.34	5.0	0.215	-0.05	0.0	0.0	23.256	4.3	0.0	0.0	0.0	0
1.36	6.0	0.194	-0.05	0.0	0.0	30.928	3.233	0.0	0.0	0.0	0
1.38	6.0	0.181	-0.05	0.0	0.0	33.149	3.017	0.0	0.0	0.0	0
1.40	5.0	0.182	-0.05	0.0	0.0	27.473	3.64	0.0	0.0	0.0	0
1.42	5.0	0.176	-0.05	0.0	0.0	28.409	3.52	0.0	0.0	0.0	0
1.44	4.0	0.191	-0.04	0.0	0.0	20.942	4.775	0.0	0.0	0.0	0
1.46	4.0	0.198	-0.04	0.0	0.0	20.202	4.95	0.0	0.0	0.0	0
1.48	4.0	0.191	-0.04	0.0	0.0	20.942	4.775	0.0	0.0	0.0	0
1.50	4.0	0.183	-0.02	0.0	0.0	21.858	4.575	0.0	0.0	0.0	0
1.52	4.0	0.172	-0.02	0.0	0.0	23.256	4.3	0.0	0.0	0.0	0
1.54	4.0	0.164	-0.01	0.0	0.0	24.39	4.1	0.0	0.0	0.0	0
1.56	4.0	0.139	0.00	0.0	0.0	28.777	3.475	0.0	0.0	0.0	0
1.58	5.0	0.127	0.03	0.0	0.0	39.37	2.54	0.0	0.0	0.0	0
1.60	5.0	0.131	0.04	0.0	0.0	38.168	2.62	0.0	0.0	0.0	0
1.62	5.0	0.131	0.06	0.0	0.0	38.168	2.62	0.0	0.0	0.0	0
1.64	6.0	0.141	0.08	0.0	0.0	42.553	2.35	0.0	0.0	0.0	0
1.66	6.0	0.149	0.13	0.0	0.0	40.268	2.483	0.0	0.0	0.0	0
1.68	7.0	0.156	0.14	0.0	0.0	44.872	2.229	0.0	0.0	0.0	0
1.70	7.0	0.182	0.14	0.0	0.0	38.462	2.6	0.0	0.0	0.0	0
1.72	7.0	0.221	0.17	0.0	0.0	31.674	3.157	0.0	0.0	0.0	0
1.74	7.0	0.257	0.21	0.0	0.0	27.237	3.671	0.0	0.0	0.0	0
1.76	7.0	0.292	0.22	0.0	0.0	23.973	4.171	0.0	0.0	0.0	0
1.78	7.0	0.305	0.23	0.0	0.0	22.951	4.357	0.0	0.0	0.0	0
1.80	7.0	0.336	0.22	0.0	0.0	20.833	4.8	0.0	0.0	0.0	0
1.82	7.0	0.362	0.25	0.0	0.0	19.337	5.171	0.0	0.0	0.0	0
1.84	7.0	0.372	0.26	0.0	0.0	18.817	5.314	0.0	0.0	0.0	0

1.86	8.0	0.36	0.27	0.0	0.0	22.222	4.5	0.0	0.0	0.0	0
1.88	8.0	0.348	0.26	0.0	0.0	22.989	4.35	0.0	0.0	0.0	0
1.90	8.0	0.361	0.23	0.0	0.0	22.161	4.513	0.0	0.0	0.0	0
1.92	7.0	0.38	0.23	0.0	0.0	18.421	5.429	0.0	0.0	0.0	0
1.94	7.0	0.407	0.23	0.0	0.0	17.199	5.814	0.0	0.0	0.0	0
1.96	7.0	0.427	0.25	0.0	0.0	16.393	6.1	0.0	0.0	0.0	0
1.98	7.0	0.459	0.27	0.0	0.0	15.251	6.557	0.0	0.0	0.0	0
2.00	7.0	0.471	0.30	0.0	0.0	14.862	6.729	0.0	0.0	0.0	0
2.02	7.0	0.462	0.33	0.0	0.0	15.152	6.6	0.0	0.0	0.0	0
2.04	7.0	0.447	0.33	0.0	0.0	15.66	6.386	0.0	0.0	0.0	0
2.06	7.0	0.446	0.33	0.0	0.0	15.695	6.371	0.0	0.0	0.0	0
2.08	7.0	0.445	0.33	0.0	0.0	15.73	6.357	0.0	0.0	0.0	0
2.10	8.0	0.462	0.34	0.0	0.0	17.316	5.775	0.0	0.0	0.0	0
2.12	8.0	0.485	0.34	0.0	0.0	16.495	6.063	0.0	0.0	0.0	0
2.14	8.0	0.515	0.37	0.0	0.0	15.534	6.438	0.0	0.0	0.0	0
2.16	8.0	0.523	0.38	0.0	0.0	15.296	6.538	0.0	0.0	0.0	0
2.18	8.0	0.517	0.38	0.0	0.0	15.474	6.463	0.0	0.0	0.0	0
2.20	7.0	0.521	0.38	0.0	0.0	13.436	7.443	0.0	0.0	0.0	0
2.22	8.0	0.495	0.60	0.0	0.0	16.162	6.188	0.0	0.0	0.0	0
2.24	7.0	0.493	0.60	0.0	0.0	14.199	7.043	0.0	0.0	0.0	0
2.26	7.0	0.48	0.61	0.0	0.0	14.583	6.857	0.0	0.0	0.0	0
2.28	7.0	0.435	0.63	0.0	0.0	16.092	6.214	0.0	0.0	0.0	0
2.30	7.0	0.406	0.63	0.0	0.0	17.241	5.8	0.0	0.0	0.0	0
2.32	6.0	0.388	0.63	0.0	0.0	15.464	6.467	0.0	0.0	0.0	0
2.34	6.0	0.37	0.61	0.0	0.0	16.216	6.167	0.0	0.0	0.0	0
2.36	6.0	0.353	0.63	0.0	0.0	16.997	5.883	0.0	0.0	0.0	0
2.38	7.0	0.343	0.67	0.0	0.0	20.408	4.9	0.0	0.0	0.0	0
2.40	7.0	0.338	0.68	0.0	0.0	20.71	4.829	0.0	0.0	0.0	0
2.42	6.0	0.336	0.67	0.0	0.0	17.857	5.6	0.0	0.0	0.0	0
2.44	6.0	0.326	0.64	0.0	0.0	18.405	5.433	0.0	0.0	0.0	0
2.46	5.0	0.345	0.63	0.0	0.0	14.493	6.9	0.0	0.0	0.0	0
2.48	5.0	0.339	0.65	0.0	0.0	14.749	6.78	0.0	0.0	0.0	0
2.50	6.0	0.318	0.67	0.0	0.0	18.868	5.3	0.0	0.0	0.0	0
2.52	6.0	0.321	0.70	0.0	0.0	18.692	5.35	0.0	0.0	0.0	0
2.54	6.0	0.327	0.70	0.0	0.0	18.349	5.45	0.0	0.0	0.0	0
2.56	6.0	0.32	0.63	0.0	0.0	18.75	5.333	0.0	0.0	0.0	0
2.58	6.0	0.299	0.64	0.0	0.0	20.067	4.983	0.0	0.0	0.0	0
2.60	5.0	0.292	0.65	0.0	0.0	17.123	5.84	0.0	0.0	0.0	0
2.62	5.0	0.297	0.67	0.0	0.0	16.835	5.94	0.0	0.0	0.0	0
2.64	5.0	0.297	0.67	0.0	0.0	16.835	5.94	0.0	0.0	0.0	0
2.66	5.0	0.304	0.67	0.0	0.0	16.447	6.08	0.0	0.0	0.0	0
2.68	5.0	0.32	0.67	0.0	0.0	15.625	6.4	0.0	0.0	0.0	0
2.70	5.0	0.332	0.68	0.0	0.0	15.06	6.64	0.0	0.0	0.0	0
2.72	5.0	0.327	0.68	0.0	0.0	15.291	6.54	0.0	0.0	0.0	0
2.74	5.0	0.321	0.67	0.0	0.0	15.576	6.42	0.0	0.0	0.0	0
2.76	5.0	0.338	0.68	0.0	0.0	14.793	6.76	0.0	0.0	0.0	0
2.78	5.0	0.342	0.68	0.0	0.0	14.62	6.84	0.0	0.0	0.0	0
2.80	5.0	0.345	0.78	0.0	0.0	14.493	6.9	0.0	0.0	0.0	0
2.82	5.0	0.33	0.83	0.0	0.0	15.152	6.6	0.0	0.0	0.0	0
2.84	5.0	0.315	0.84	0.0	0.0	15.873	6.3	0.0	0.0	0.0	0
2.86	6.0	0.302	0.87	0.0	0.0	19.868	5.033	0.0	0.0	0.0	0
2.88	7.0	0.297	0.90	0.0	0.0	23.569	4.243	0.0	0.0	0.0	0
2.90	7.0	0.291	0.91	0.0	0.0	24.055	4.157	0.0	0.0	0.0	0
2.92	8.0	0.299	0.90	0.0	0.0	26.756	3.738	0.0	0.0	0.0	0
2.94	8.0	0.336	0.88	0.0	0.0	23.81	4.2	0.0	0.0	0.0	0
2.96	8.0	0.394	0.87	0.0	0.0	20.305	4.925	0.0	0.0	0.0	0
2.98	8.0	0.458	0.84	0.0	0.0	17.467	5.725	0.0	0.0	0.0	0
3.00	8.0	0.512	0.84	0.0	0.0	15.625	6.4	0.0	0.0	0.0	0
3.02	8.0	0.556	0.84	0.0	0.0	14.388	6.95	0.0	0.0	0.0	0
3.04	7.0	0.583	0.87	0.0	0.0	12.007	8.329	0.0	0.0	0.0	0
3.06	7.0	0.585	0.88	0.0	0.0	11.966	8.357	0.0	0.0	0.0	0
3.08	7.0	0.553	0.88	0.0	0.0	12.658	7.9	0.0	0.0	0.0	0
3.10	7.0	0.501	0.87	0.0	0.0	13.972	7.157	0.0	0.0	0.0	0
3.12	6.0	0.47	0.87	0.0	0.0	12.766	7.833	0.0	0.0	0.0	0
3.14	6.0	0.455	0.87	0.0	0.0	13.187	7.583	0.0	0.0	0.0	0
3.16	6.0	0.43	0.88	0.0	0.0	13.953	7.167	0.0	0.0	0.0	0
3.18	6.0	0.409	0.90	0.0	0.0	14.67	6.817	0.0	0.0	0.0	0
3.20	6.0	0.363	1.14	0.0	0.0	16.529	6.05	0.0	0.0	0.0	0
3.22	6.0	0.35	1.16	0.0	0.0	17.143	5.833	0.0	0.0	0.0	0
3.24	7.0	0.341	1.16	0.0	0.0	20.528	4.871	0.0	0.0	0.0	0

3.26	6.0	0.356	1.16	0.0	0.0	16.854	5.933	0.0	0.0	0.0	0
3.28	7.0	0.395	1.18	0.0	0.0	17.722	5.643	0.0	0.0	0.0	0
3.30	7.0	0.436	1.18	0.0	0.0	16.055	6.229	0.0	0.0	0.0	0
3.32	7.0	0.451	1.21	0.0	0.0	15.521	6.443	0.0	0.0	0.0	0
3.34	7.0	0.467	1.20	0.0	0.0	14.989	6.671	0.0	0.0	0.0	0
3.36	8.0	0.468	1.18	0.0	0.0	17.094	5.85	0.0	0.0	0.0	0
3.38	8.0	0.478	1.18	0.0	0.0	16.736	5.975	0.0	0.0	0.0	0
3.40	8.0	0.481	1.20	0.0	0.0	16.632	6.013	0.0	0.0	0.0	0
3.42	8.0	0.466	1.20	0.0	0.0	17.167	5.825	0.0	0.0	0.0	0
3.44	8.0	0.454	1.18	0.0	0.0	17.621	5.675	0.0	0.0	0.0	0
3.46	8.0	0.494	1.20	0.0	0.0	16.194	6.175	0.0	0.0	0.0	0
3.48	9.0	0.541	1.21	0.0	0.0	16.636	6.011	0.0	0.0	0.0	0
3.50	9.0	0.558	1.24	0.0	0.0	16.129	6.2	0.0	0.0	0.0	0
3.52	9.0	0.568	1.22	0.0	0.0	15.845	6.311	0.0	0.0	0.0	0
3.54	9.0	0.584	1.22	0.0	0.0	15.411	6.489	0.0	0.0	0.0	0
3.56	9.0	0.609	1.22	0.0	0.0	14.778	6.767	0.0	0.0	0.0	0
3.58	9.0	0.628	1.22	0.0	0.0	14.331	6.978	0.0	0.0	0.0	0
3.60	9.0	0.632	1.21	0.0	0.0	14.241	7.022	0.0	0.0	0.0	0
3.62	8.0	0.638	1.21	0.0	0.0	12.539	7.975	0.0	0.0	0.0	0
3.64	8.0	0.671	1.20	0.0	0.0	11.923	8.388	0.0	0.0	0.0	0
3.66	8.0	0.677	1.22	0.0	0.0	11.817	8.463	0.0	0.0	0.0	0
3.68	9.0	0.664	1.24	0.0	0.0	13.554	7.378	0.0	0.0	0.0	0
3.70	8.0	0.653	1.24	0.0	0.0	12.251	8.163	0.0	0.0	0.0	0
3.72	8.0	0.622	1.22	0.0	0.0	12.862	7.775	0.0	0.0	0.0	0
3.74	8.0	0.607	1.20	0.0	0.0	13.18	7.588	0.0	0.0	0.0	0
3.76	8.0	0.59	1.21	0.0	0.0	13.559	7.375	0.0	0.0	0.0	0
3.78	8.0	0.583	1.22	0.0	0.0	13.722	7.288	0.0	0.0	0.0	0
3.80	8.0	0.578	1.20	0.0	0.0	13.841	7.225	0.0	0.0	0.0	0
3.82	8.0	0.586	1.18	0.0	0.0	13.652	7.325	0.0	0.0	0.0	0
3.84	8.0	0.597	1.14	0.0	0.0	13.4	7.463	0.0	0.0	0.0	0
3.86	9.0	0.595	1.13	0.0	0.0	15.126	6.611	0.0	0.0	0.0	0
3.88	8.0	0.61	1.12	0.0	0.0	13.115	7.625	0.0	0.0	0.0	0
3.90	9.0	0.634	1.12	0.0	0.0	14.196	7.044	0.0	0.0	0.0	0
3.92	9.0	0.66	1.17	0.0	0.0	13.636	7.333	0.0	0.0	0.0	0
3.94	9.0	0.669	1.17	0.0	0.0	13.453	7.433	0.0	0.0	0.0	0
3.96	9.0	0.663	1.18	0.0	0.0	13.575	7.367	0.0	0.0	0.0	0
3.98	8.0	0.659	1.20	0.0	0.0	12.14	8.238	0.0	0.0	0.0	0
4.00	8.0	0.653	1.21	0.0	0.0	12.251	8.163	0.0	0.0	0.0	0
4.02	8.0	0.634	1.25	0.0	0.0	12.618	7.925	0.0	0.0	0.0	0
4.04	8.0	0.61	1.29	0.0	0.0	13.115	7.625	0.0	0.0	0.0	0
4.06	8.0	0.587	1.29	0.0	0.0	13.629	7.338	0.0	0.0	0.0	0
4.08	8.0	0.568	1.29	0.0	0.0	14.085	7.1	0.0	0.0	0.0	0
4.10	7.0	0.554	1.29	0.0	0.0	12.635	7.914	0.0	0.0	0.0	0
4.12	7.0	0.524	1.31	0.0	0.0	13.359	7.486	0.0	0.0	0.0	0
4.14	7.0	0.486	1.31	0.0	0.0	14.403	6.943	0.0	0.0	0.0	0
4.16	7.0	0.455	1.32	0.0	0.0	15.385	6.5	0.0	0.0	0.0	0
4.18	7.0	0.468	1.37	0.0	0.0	14.957	6.686	0.0	0.0	0.0	0
4.20	7.0	0.466	1.39	0.0	0.0	15.021	6.657	0.0	0.0	0.0	0
4.22	7.0	0.468	1.41	0.0	0.0	14.957	6.686	0.0	0.0	0.0	0
4.24	8.0	0.475	1.43	0.0	0.0	16.842	5.938	0.0	0.0	0.0	0
4.26	8.0	0.485	1.48	0.0	0.0	16.495	6.063	0.0	0.0	0.0	0
4.28	9.0	0.492	1.45	0.0	0.0	18.293	5.467	0.0	0.0	0.0	0
4.30	9.0	0.5	1.39	0.0	0.0	18.0	5.556	0.0	0.0	0.0	0
4.32	8.0	0.536	1.31	0.0	0.0	14.925	6.7	0.0	0.0	0.0	0
4.34	8.0	0.552	1.28	0.0	0.0	14.493	6.9	0.0	0.0	0.0	0
4.36	8.0	0.561	1.28	0.0	0.0	14.26	7.013	0.0	0.0	0.0	0
4.38	8.0	0.572	1.26	0.0	0.0	13.986	7.15	0.0	0.0	0.0	0
4.40	8.0	0.608	1.26	0.0	0.0	13.158	7.6	0.0	0.0	0.0	0
4.42	8.0	0.634	1.25	0.0	0.0	12.618	7.925	0.0	0.0	0.0	0
4.44	7.0	0.624	1.22	0.0	0.0	11.218	8.914	0.0	0.0	0.0	0
4.46	8.0	0.629	1.21	0.0	0.0	12.719	7.863	0.0	0.0	0.0	0
4.48	8.0	0.652	1.21	0.0	0.0	12.27	8.15	0.0	0.0	0.0	0
4.50	8.0	0.664	1.21	0.0	0.0	12.048	8.3	0.0	0.0	0.0	0
4.52	7.0	0.646	1.21	0.0	0.0	10.836	9.229	0.0	0.0	0.0	0
4.54	8.0	0.622	1.21	0.0	0.0	12.862	7.775	0.0	0.0	0.0	0
4.56	7.0	0.607	1.21	0.0	0.0	11.532	8.671	0.0	0.0	0.0	0
4.58	8.0	0.577	1.28	0.0	0.0	13.865	7.213	0.0	0.0	0.0	0
4.60	8.0	0.546	1.28	0.0	0.0	14.652	6.825	0.0	0.0	0.0	0
4.62	8.0	0.528	1.22	0.0	0.0	15.152	6.6	0.0	0.0	0.0	0
4.64	8.0	0.523	1.10	0.0	0.0	15.296	6.538	0.0	0.0	0.0	0

4.66	8.0	0.54	1.07	0.0	0.0	14.815	6.75	0.0	0.0	0.0	0
4.68	8.0	0.541	1.09	0.0	0.0	14.787	6.763	0.0	0.0	0.0	0
4.70	8.0	0.555	1.12	0.0	0.0	14.414	6.938	0.0	0.0	0.0	0
4.72	8.0	0.565	1.12	0.0	0.0	14.159	7.063	0.0	0.0	0.0	0
4.74	8.0	0.583	1.12	0.0	0.0	13.722	7.288	0.0	0.0	0.0	0
4.76	8.0	0.568	1.12	0.0	0.0	14.085	7.1	0.0	0.0	0.0	0
4.78	8.0	0.562	1.13	0.0	0.0	14.235	7.025	0.0	0.0	0.0	0
4.80	7.0	0.556	1.14	0.0	0.0	12.59	7.943	0.0	0.0	0.0	0
4.82	7.0	0.533	1.14	0.0	0.0	13.133	7.614	0.0	0.0	0.0	0
4.84	7.0	0.519	1.14	0.0	0.0	13.487	7.414	0.0	0.0	0.0	0
4.86	7.0	0.497	1.14	0.0	0.0	14.085	7.1	0.0	0.0	0.0	0
4.88	7.0	0.485	1.13	0.0	0.0	14.433	6.929	0.0	0.0	0.0	0
4.90	7.0	0.48	1.12	0.0	0.0	14.583	6.857	0.0	0.0	0.0	0
4.92	6.0	0.479	1.12	0.0	0.0	12.526	7.983	0.0	0.0	0.0	0
4.94	7.0	0.48	1.13	0.0	0.0	14.583	6.857	0.0	0.0	0.0	0
4.96	6.0	0.488	1.13	0.0	0.0	12.295	8.133	0.0	0.0	0.0	0
4.98	6.0	0.506	1.13	0.0	0.0	11.858	8.433	0.0	0.0	0.0	0
5.00	6.0	0.523	1.13	0.0	0.0	11.472	8.717	0.0	0.0	0.0	0
5.02	6.0	0.521	1.14	0.0	0.0	11.516	8.683	0.0	0.0	0.0	0
5.04	7.0	0.506	1.17	0.0	0.0	13.834	7.229	0.0	0.0	0.0	0
5.06	7.0	0.493	1.21	0.0	0.0	14.199	7.043	0.0	0.0	0.0	0
5.08	8.0	0.492	1.22	0.0	0.0	16.26	6.15	0.0	0.0	0.0	0
5.10	8.0	0.478	1.13	0.0	0.0	16.736	5.975	0.0	0.0	0.0	0
5.12	7.0	0.493	1.10	0.0	0.0	14.199	7.043	0.0	0.0	0.0	0
5.14	7.0	0.521	1.18	0.0	0.0	13.436	7.443	0.0	0.0	0.0	0
5.16	7.0	0.521	1.17	0.0	0.0	13.436	7.443	0.0	0.0	0.0	0
5.18	7.0	0.535	1.18	0.0	0.0	13.084	7.643	0.0	0.0	0.0	0
5.20	7.0	0.546	1.17	0.0	0.0	12.821	7.8	0.0	0.0	0.0	0
5.22	7.0	0.55	1.17	0.0	0.0	12.727	7.857	0.0	0.0	0.0	0
5.24	6.0	0.547	1.17	0.0	0.0	10.969	9.117	0.0	0.0	0.0	0
5.26	7.0	0.537	1.18	0.0	0.0	13.035	7.671	0.0	0.0	0.0	0
5.28	7.0	0.518	1.18	0.0	0.0	13.514	7.4	0.0	0.0	0.0	0
5.30	7.0	0.498	1.18	0.0	0.0	14.056	7.114	0.0	0.0	0.0	0
5.32	7.0	0.479	1.18	0.0	0.0	14.614	6.843	0.0	0.0	0.0	0
5.34	6.0	0.461	1.18	0.0	0.0	13.015	7.683	0.0	0.0	0.0	0
5.36	6.0	0.441	1.17	0.0	0.0	13.605	7.35	0.0	0.0	0.0	0
5.38	6.0	0.42	1.17	0.0	0.0	14.286	7.0	0.0	0.0	0.0	0
5.40	6.0	0.405	1.17	0.0	0.0	14.815	6.75	0.0	0.0	0.0	0
5.42	6.0	0.402	1.16	0.0	0.0	14.925	6.7	0.0	0.0	0.0	0
5.44	6.0	0.395	1.16	0.0	0.0	15.19	6.583	0.0	0.0	0.0	0
5.46	6.0	0.383	1.16	0.0	0.0	15.666	6.383	0.0	0.0	0.0	0
5.48	6.0	0.366	1.16	0.0	0.0	16.393	6.1	0.0	0.0	0.0	0
5.50	6.0	0.366	1.16	0.0	0.0	16.393	6.1	0.0	0.0	0.0	0
5.52	6.0	0.366	1.14	0.0	0.0	16.393	6.1	0.0	0.0	0.0	0
5.54	5.0	0.373	1.14	0.0	0.0	13.405	7.46	0.0	0.0	0.0	0
5.56	5.0	0.382	1.13	0.0	0.0	13.089	7.64	0.0	0.0	0.0	0
5.58	5.0	0.382	1.13	0.0	0.0	13.089	7.64	0.0	0.0	0.0	0
5.60	5.0	0.38	1.13	0.0	0.0	13.158	7.6	0.0	0.0	0.0	0
5.62	5.0	0.371	1.12	0.0	0.0	13.477	7.42	0.0	0.0	0.0	0
5.64	5.0	0.357	1.12	0.0	0.0	14.006	7.14	0.0	0.0	0.0	0
5.66	5.0	0.339	1.12	0.0	0.0	14.749	6.78	0.0	0.0	0.0	0
5.68	5.0	0.315	1.10	0.0	0.0	15.873	6.3	0.0	0.0	0.0	0
5.70	5.0	0.301	1.10	0.0	0.0	16.611	6.02	0.0	0.0	0.0	0
5.72	5.0	0.297	1.10	0.0	0.0	16.835	5.94	0.0	0.0	0.0	0
5.74	5.0	0.292	1.10	0.0	0.0	17.123	5.84	0.0	0.0	0.0	0
5.76	5.0	0.289	1.10	0.0	0.0	17.301	5.78	0.0	0.0	0.0	0
5.78	5.0	0.279	1.10	0.0	0.0	17.921	5.58	0.0	0.0	0.0	0
5.80	4.0	0.271	1.10	0.0	0.0	14.76	6.775	0.0	0.0	0.0	0
5.82	4.0	0.265	1.10	0.0	0.0	15.094	6.625	0.0	0.0	0.0	0
5.84	4.0	0.252	1.10	0.0	0.0	15.873	6.3	0.0	0.0	0.0	0
5.86	5.0	0.245	1.10	0.0	0.0	20.408	4.9	0.0	0.0	0.0	0
5.88	4.0	0.233	1.10	0.0	0.0	17.167	5.825	0.0	0.0	0.0	0
5.90	4.0	0.223	1.10	0.0	0.0	17.937	5.575	0.0	0.0	0.0	0
5.92	4.0	0.217	1.10	0.0	0.0	18.433	5.425	0.0	0.0	0.0	0
5.94	4.0	0.212	1.10	0.0	0.0	18.868	5.3	0.0	0.0	0.0	0
5.96	5.0	0.211	1.10	0.0	0.0	23.697	4.22	0.0	0.0	0.0	0
5.98	4.0	0.206	1.12	0.0	0.0	19.417	5.15	0.0	0.0	0.0	0
6.00	4.0	0.202	1.12	0.0	0.0	19.802	5.05	0.0	0.0	0.0	0
6.02	4.0	0.206	1.12	0.0	0.0	19.417	5.15	0.0	0.0	0.0	0
6.04	4.0	0.205	1.12	0.0	0.0	19.512	5.125	0.0	0.0	0.0	0

6.06	4.0	0.204	1.12	0.0	0.0	19.608	5.1	0.0	0.0	0.0	0
6.08	4.0	0.2	1.10	0.0	0.0	20.0	5.0	0.0	0.0	0.0	0
6.10	4.0	0.2	1.10	0.0	0.0	20.0	5.0	0.0	0.0	0.0	0
6.12	4.0	0.201	1.21	0.0	0.0	19.9	5.025	0.0	0.0	0.0	0
6.14	4.0	0.199	1.22	0.0	0.0	20.101	4.975	0.0	0.0	0.0	0
6.16	4.0	0.198	1.24	0.0	0.0	20.202	4.95	0.0	0.0	0.0	0
6.18	4.0	0.198	1.22	0.0	0.0	20.202	4.95	0.0	0.0	0.0	0
6.20	4.0	0.196	1.22	0.0	0.0	20.408	4.9	0.0	0.0	0.0	0
6.22	4.0	0.196	1.24	0.0	0.0	20.408	4.9	0.0	0.0	0.0	0
6.24	4.0	0.188	1.25	0.0	0.0	21.277	4.7	0.0	0.0	0.0	0
6.26	5.0	0.186	1.25	0.0	0.0	26.882	3.72	0.0	0.0	0.0	0
6.28	5.0	0.188	1.26	0.0	0.0	26.596	3.76	0.0	0.0	0.0	0
6.30	5.0	0.191	1.26	0.0	0.0	26.178	3.82	0.0	0.0	0.0	0
6.32	4.0	0.192	1.26	0.0	0.0	20.833	4.8	0.0	0.0	0.0	0
6.34	4.0	0.193	1.26	0.0	0.0	20.725	4.825	0.0	0.0	0.0	0
6.36	4.0	0.196	1.25	0.0	0.0	20.408	4.9	0.0	0.0	0.0	0
6.38	4.0	0.199	1.25	0.0	0.0	20.101	4.975	0.0	0.0	0.0	0
6.40	4.0	0.199	1.26	0.0	0.0	20.101	4.975	0.0	0.0	0.0	0
6.42	4.0	0.198	1.26	0.0	0.0	20.202	4.95	0.0	0.0	0.0	0
6.44	4.0	0.199	1.25	0.0	0.0	20.101	4.975	0.0	0.0	0.0	0
6.46	4.0	0.204	1.26	0.0	0.0	19.608	5.1	0.0	0.0	0.0	0
6.48	5.0	0.204	1.26	0.0	0.0	24.51	4.08	0.0	0.0	0.0	0
6.50	5.0	0.205	1.28	0.0	0.0	24.39	4.1	0.0	0.0	0.0	0
6.52	5.0	0.197	1.28	0.0	0.0	25.381	3.94	0.0	0.0	0.0	0
6.54	5.0	0.198	1.28	0.0	0.0	25.253	3.96	0.0	0.0	0.0	0
6.56	5.0	0.205	1.28	0.0	0.0	24.39	4.1	0.0	0.0	0.0	0
6.58	5.0	0.206	1.28	0.0	0.0	24.272	4.12	0.0	0.0	0.0	0
6.60	5.0	0.212	1.28	0.0	0.0	23.585	4.24	0.0	0.0	0.0	0
6.62	5.0	0.216	1.28	0.0	0.0	23.148	4.32	0.0	0.0	0.0	0
6.64	5.0	0.221	1.28	0.0	0.0	22.624	4.42	0.0	0.0	0.0	0
6.66	5.0	0.225	1.28	0.0	0.0	22.222	4.5	0.0	0.0	0.0	0
6.68	5.0	0.228	1.26	0.0	0.0	21.93	4.56	0.0	0.0	0.0	0
6.70	5.0	0.234	1.26	0.0	0.0	21.368	4.68	0.0	0.0	0.0	0
6.72	5.0	0.231	1.26	0.0	0.0	21.645	4.62	0.0	0.0	0.0	0
6.74	5.0	0.224	1.28	0.0	0.0	22.321	4.48	0.0	0.0	0.0	0
6.76	5.0	0.223	1.29	0.0	0.0	22.422	4.46	0.0	0.0	0.0	0
6.78	5.0	0.221	1.31	0.0	0.0	22.624	4.42	0.0	0.0	0.0	0
6.80	6.0	0.231	1.32	0.0	0.0	25.974	3.85	0.0	0.0	0.0	0
6.82	6.0	0.248	1.33	0.0	0.0	24.194	4.133	0.0	0.0	0.0	0
6.84	6.0	0.274	1.33	0.0	0.0	21.898	4.567	0.0	0.0	0.0	0
6.86	6.0	0.305	1.35	0.0	0.0	19.672	5.083	0.0	0.0	0.0	0
6.88	7.0	0.334	1.35	0.0	0.0	20.958	4.771	0.0	0.0	0.0	0
6.90	7.0	0.366	1.35	0.0	0.0	19.126	5.229	0.0	0.0	0.0	0
6.92	6.0	0.412	1.36	0.0	0.0	14.563	6.867	0.0	0.0	0.0	0
6.94	6.0	0.445	1.36	0.0	0.0	13.483	7.417	0.0	0.0	0.0	0
6.96	6.0	0.471	1.36	0.0	0.0	12.739	7.85	0.0	0.0	0.0	0
6.98	6.0	0.492	1.35	0.0	0.0	12.195	8.2	0.0	0.0	0.0	0
7.00	6.0	0.518	1.35	0.0	0.0	11.583	8.633	0.0	0.0	0.0	0
7.02	6.0	0.535	1.35	0.0	0.0	11.215	8.917	0.0	0.0	0.0	0
7.04	6.0	0.542	1.36	0.0	0.0	11.07	9.033	0.0	0.0	0.0	0
7.06	6.0	0.541	1.36	0.0	0.0	11.091	9.017	0.0	0.0	0.0	0
7.08	6.0	0.541	1.36	0.0	0.0	11.091	9.017	0.0	0.0	0.0	0
7.10	7.0	0.558	1.31	0.0	0.0	12.545	7.971	0.0	0.0	0.0	0
7.12	7.0	0.553	1.31	0.0	0.0	12.658	7.9	0.0	0.0	0.0	0
7.14	7.0	0.547	1.32	0.0	0.0	12.797	7.814	0.0	0.0	0.0	0
7.16	7.0	0.551	1.33	0.0	0.0	12.704	7.871	0.0	0.0	0.0	0
7.18	7.0	0.554	1.36	0.0	0.0	12.635	7.914	0.0	0.0	0.0	0
7.20	8.0	0.558	1.37	0.0	0.0	14.337	6.975	0.0	0.0	0.0	0
7.22	8.0	0.566	1.39	0.0	0.0	14.134	7.075	0.0	0.0	0.0	0
7.24	9.0	0.575	1.40	0.0	0.0	15.652	6.389	0.0	0.0	0.0	0
7.26	9.0	0.59	1.41	0.0	0.0	15.254	6.556	0.0	0.0	0.0	0
7.28	9.0	0.603	1.40	0.0	0.0	14.925	6.7	0.0	0.0	0.0	0
7.30	9.0	0.626	1.41	0.0	0.0	14.377	6.956	0.0	0.0	0.0	0
7.32	9.0	0.64	1.37	0.0	0.0	14.063	7.111	0.0	0.0	0.0	0
7.34	9.0	0.653	1.39	0.0	0.0	13.783	7.256	0.0	0.0	0.0	0
7.36	9.0	0.647	1.37	0.0	0.0	13.91	7.189	0.0	0.0	0.0	0
7.38	9.0	0.647	1.37	0.0	0.0	13.91	7.189	0.0	0.0	0.0	0
7.40	9.0	0.642	1.37	0.0	0.0	14.019	7.133	0.0	0.0	0.0	0
7.42	9.0	0.652	1.37	0.0	0.0	13.804	7.244	0.0	0.0	0.0	0
7.44	9.0	0.684	1.36	0.0	0.0	13.158	7.6	0.0	0.0	0.0	0

7.46	9.0	0.709	1.32	0.0	0.0	12.694	7.878	0.0	0.0	0.0	0
7.48	9.0	0.745	1.31	0.0	0.0	12.081	8.278	0.0	0.0	0.0	0
7.50	9.0	0.774	1.31	0.0	0.0	11.628	8.6	0.0	0.0	0.0	0
7.52	9.0	0.801	1.32	0.0	0.0	11.236	8.9	0.0	0.0	0.0	0
7.54	9.0	0.816	1.33	0.0	0.0	11.029	9.067	0.0	0.0	0.0	0
7.56	9.0	0.799	1.32	0.0	0.0	11.264	8.878	0.0	0.0	0.0	0
7.58	9.0	0.793	1.32	0.0	0.0	11.349	8.811	0.0	0.0	0.0	0
7.60	10.0	0.798	1.32	0.0	0.0	12.531	7.98	0.0	0.0	0.0	0
7.62	10.0	0.805	1.32	0.0	0.0	12.422	8.05	0.0	0.0	0.0	0
7.64	10.0	0.823	1.32	0.0	0.0	12.151	8.23	0.0	0.0	0.0	0
7.66	11.0	0.841	1.32	0.0	0.0	13.08	7.645	0.0	0.0	0.0	0
7.68	11.0	0.878	1.31	0.0	0.0	12.528	7.982	0.0	0.0	0.0	0
7.70	11.0	0.922	1.29	0.0	0.0	11.931	8.382	0.0	0.0	0.0	0
7.72	11.0	0.974	1.29	0.0	0.0	11.294	8.855	0.0	0.0	0.0	0
7.74	11.0	1.017	1.28	0.0	0.0	10.816	9.245	0.0	0.0	0.0	0
7.76	11.0	1.062	1.28	0.0	0.0	10.358	9.655	0.0	0.0	0.0	0
7.78	11.0	1.086	1.28	0.0	0.0	10.129	9.873	0.0	0.0	0.0	0
7.80	11.0	1.107	1.28	0.0	0.0	9.937	10.064	0.0	0.0	0.0	0
7.82	12.0	1.133	1.26	0.0	0.0	10.591	9.442	0.0	0.0	0.0	0
7.84	11.0	1.164	1.24	0.0	0.0	9.45	10.582	0.0	0.0	0.0	0
7.86	11.0	1.194	1.22	0.0	0.0	9.213	10.855	0.0	0.0	0.0	0
7.88	11.0	1.205	1.21	0.0	0.0	9.129	10.955	0.0	0.0	0.0	0
7.90	10.0	1.215	1.18	0.0	0.0	8.23	12.15	0.0	0.0	0.0	0
7.92	10.0	1.212	1.17	0.0	0.0	8.251	12.12	0.0	0.0	0.0	0
7.94	10.0	1.205	1.14	0.0	0.0	8.299	12.05	0.0	0.0	0.0	0
7.96	9.0	1.199	1.14	0.0	0.0	7.506	13.322	0.0	0.0	0.0	0
7.98	10.0	1.174	1.14	0.0	0.0	8.518	11.74	0.0	0.0	0.0	0
8.00	10.0	1.144	1.16	0.0	0.0	8.741	11.44	0.0	0.0	0.0	0
8.02	9.0	1.119	1.17	0.0	0.0	8.043	12.433	0.0	0.0	0.0	0
8.04	10.0	1.089	1.20	0.0	0.0	9.183	10.89	0.0	0.0	0.0	0
8.06	11.0	1.022	1.35	0.0	0.0	10.763	9.291	0.0	0.0	0.0	0
8.08	11.0	1.001	1.37	0.0	0.0	10.989	9.1	0.0	0.0	0.0	0
8.10	12.0	0.994	1.39	0.0	0.0	12.072	8.283	0.0	0.0	0.0	0
8.12	12.0	0.997	1.37	0.0	0.0	12.036	8.308	0.0	0.0	0.0	0
8.14	13.0	1.007	1.39	0.0	0.0	12.91	7.746	0.0	0.0	0.0	0
8.16	14.0	1.039	1.43	0.0	0.0	13.474	7.421	0.0	0.0	0.0	0
8.18	15.0	1.069	1.48	0.0	0.0	14.032	7.127	0.0	0.0	0.0	0
8.20	15.0	1.089	1.47	0.0	0.0	13.774	7.26	0.0	0.0	0.0	0
8.22	16.0	1.12	1.50	0.0	0.0	14.286	7.0	0.0	0.0	0.0	0
8.24	16.0	1.166	1.50	0.0	0.0	13.722	7.288	0.0	0.0	0.0	0
8.26	16.0	1.191	1.50	0.0	0.0	13.434	7.444	0.0	0.0	0.0	0
8.28	16.0	1.241	1.51	0.0	0.0	12.893	7.756	0.0	0.0	0.0	0
8.30	16.0	1.292	1.51	0.0	0.0	12.384	8.075	0.0	0.0	0.0	0
8.32	15.0	1.344	1.56	0.0	0.0	11.161	8.96	0.0	0.0	0.0	0
8.34	15.0	1.365	1.59	0.0	0.0	10.989	9.1	0.0	0.0	0.0	0
8.36	15.0	1.375	1.63	0.0	0.0	10.909	9.167	0.0	0.0	0.0	0
8.38	16.0	1.347	1.67	0.0	0.0	11.878	8.419	0.0	0.0	0.0	0
8.40	16.0	1.331	1.64	0.0	0.0	12.021	8.319	0.0	0.0	0.0	0
8.42	16.0	1.32	1.66	0.0	0.0	12.121	8.25	0.0	0.0	0.0	0
8.44	15.0	1.29	1.63	0.0	0.0	11.628	8.6	0.0	0.0	0.0	0
8.46	14.0	1.249	1.63	0.0	0.0	11.209	8.921	0.0	0.0	0.0	0
8.48	14.0	1.21	1.63	0.0	0.0	11.57	8.643	0.0	0.0	0.0	0
8.50	14.0	1.185	1.63	0.0	0.0	11.814	8.464	0.0	0.0	0.0	0
8.52	13.0	1.167	1.64	0.0	0.0	11.14	8.977	0.0	0.0	0.0	0
8.54	13.0	1.115	1.63	0.0	0.0	11.659	8.577	0.0	0.0	0.0	0
8.56	13.0	1.059	1.63	0.0	0.0	12.276	8.146	0.0	0.0	0.0	0
8.58	13.0	1.037	1.63	0.0	0.0	12.536	7.977	0.0	0.0	0.0	0
8.60	12.0	1.013	1.62	0.0	0.0	11.846	8.442	0.0	0.0	0.0	0
8.62	12.0	0.996	1.64	0.0	0.0	12.048	8.3	0.0	0.0	0.0	0
8.64	12.0	0.936	1.64	0.0	0.0	12.821	7.8	0.0	0.0	0.0	0
8.66	12.0	0.892	1.63	0.0	0.0	13.453	7.433	0.0	0.0	0.0	0
8.68	12.0	0.867	1.60	0.0	0.0	13.841	7.225	0.0	0.0	0.0	0
8.70	11.0	0.862	1.60	0.0	0.0	12.761	7.836	0.0	0.0	0.0	0
8.72	11.0	0.869	1.56	0.0	0.0	12.658	7.9	0.0	0.0	0.0	0
8.74	10.0	0.864	1.58	0.0	0.0	11.574	8.64	0.0	0.0	0.0	0
8.76	10.0	0.854	1.60	0.0	0.0	11.71	8.54	0.0	0.0	0.0	0
8.78	10.0	0.826	1.60	0.0	0.0	12.107	8.26	0.0	0.0	0.0	0
8.80	10.0	0.791	1.62	0.0	0.0	12.642	7.91	0.0	0.0	0.0	0
8.82	10.0	0.73	1.63	0.0	0.0	13.699	7.3	0.0	0.0	0.0	0
8.84	10.0	0.652	1.63	0.0	0.0	15.337	6.52	0.0	0.0	0.0	0

8.86	10.0	0.58	1.63	0.0	0.0	17.241	5.8	0.0	0.0	0.0	0
8.88	10.0	0.543	1.64	0.0	0.0	18.416	5.43	0.0	0.0	0.0	0
8.90	10.0	0.511	1.64	0.0	0.0	19.569	5.11	0.0	0.0	0.0	0
8.92	11.0	0.479	1.66	0.0	0.0	22.965	4.355	0.0	0.0	0.0	0
8.94	11.0	0.475	1.69	0.0	0.0	23.158	4.318	0.0	0.0	0.0	0
8.96	11.0	0.451	1.74	0.0	0.0	24.39	4.1	0.0	0.0	0.0	0
8.98	12.0	0.45	1.85	0.0	0.0	26.667	3.75	0.0	0.0	0.0	0
9.00	13.0	0.454	1.96	0.0	0.0	28.634	3.492	0.0	0.0	0.0	0
9.02	15.0	0.462	2.05	0.0	0.0	32.468	3.08	0.0	0.0	0.0	0
9.04	16.0	0.598	2.34	0.0	0.0	26.756	3.738	0.0	0.0	0.0	0
9.06	16.0	0.695	2.39	0.0	0.0	23.022	4.344	0.0	0.0	0.0	0
9.08	15.0	0.76	2.46	0.0	0.0	19.737	5.067	0.0	0.0	0.0	0
9.10	16.0	0.838	2.62	0.0	0.0	19.093	5.238	0.0	0.0	0.0	0
9.12	17.0	0.88	2.62	0.0	0.0	19.318	5.176	0.0	0.0	0.0	0
9.14	17.0	0.946	2.66	0.0	0.0	17.97	5.565	0.0	0.0	0.0	0
9.16	18.0	0.915	2.64	0.0	0.0	19.672	5.083	0.0	0.0	0.0	0
9.18	19.0	0.976	2.61	0.0	0.0	19.467	5.137	0.0	0.0	0.0	0
9.20	19.0	1.084	2.59	0.0	0.0	17.528	5.705	0.0	0.0	0.0	0
9.22	19.0	1.18	2.55	0.0	0.0	16.102	6.211	0.0	0.0	0.0	0
9.24	18.0	1.302	2.53	0.0	0.0	13.825	7.233	0.0	0.0	0.0	0
9.26	18.0	1.388	2.51	0.0	0.0	12.968	7.711	0.0	0.0	0.0	0
9.28	18.0	1.482	2.49	0.0	0.0	12.146	8.233	0.0	0.0	0.0	0
9.30	17.0	1.53	2.43	0.0	0.0	11.111	9.0	0.0	0.0	0.0	0
9.32	16.0	1.547	2.46	0.0	0.0	10.343	9.669	0.0	0.0	0.0	0
9.34	16.0	1.516	2.46	0.0	0.0	10.554	9.475	0.0	0.0	0.0	0
9.36	14.0	1.46	2.45	0.0	0.0	9.589	10.429	0.0	0.0	0.0	0
9.38	14.0	1.348	2.43	0.0	0.0	10.386	9.629	0.0	0.0	0.0	0
9.40	14.0	1.232	2.42	0.0	0.0	11.364	8.8	0.0	0.0	0.0	0
9.42	14.0	1.099	2.46	0.0	0.0	12.739	7.85	0.0	0.0	0.0	0
9.44	15.0	0.983	2.50	0.0	0.0	15.259	6.553	0.0	0.0	0.0	0
9.46	16.0	0.908	2.58	0.0	0.0	17.621	5.675	0.0	0.0	0.0	0
9.48	16.0	0.875	2.61	0.0	0.0	18.286	5.469	0.0	0.0	0.0	0
9.50	17.0	0.841	2.68	0.0	0.0	20.214	4.947	0.0	0.0	0.0	0
9.52	17.0	0.829	2.68	0.0	0.0	20.507	4.876	0.0	0.0	0.0	0
9.54	17.0	0.866	2.65	0.0	0.0	19.63	5.094	0.0	0.0	0.0	0
9.56	17.0	0.949	2.62	0.0	0.0	17.914	5.582	0.0	0.0	0.0	0
9.58	16.0	1.019	2.58	0.0	0.0	15.702	6.369	0.0	0.0	0.0	0
9.60	16.0	1.029	2.59	0.0	0.0	15.549	6.431	0.0	0.0	0.0	0
9.62	16.0	1.059	2.58	0.0	0.0	15.109	6.619	0.0	0.0	0.0	0
9.64	16.0	1.082	2.57	0.0	0.0	14.787	6.763	0.0	0.0	0.0	0
9.66	15.0	1.105	2.57	0.0	0.0	13.575	7.367	0.0	0.0	0.0	0
9.68	15.0	1.077	2.58	0.0	0.0	13.928	7.18	0.0	0.0	0.0	0
9.70	15.0	1.029	2.53	0.0	0.0	14.577	6.86	0.0	0.0	0.0	0
9.72	13.0	0.986	2.40	0.0	0.0	13.185	7.585	0.0	0.0	0.0	0
9.74	12.0	0.935	2.24	0.0	0.0	12.834	7.792	0.0	0.0	0.0	0
9.76	11.0	0.929	2.11	0.0	0.0	11.841	8.445	0.0	0.0	0.0	0
9.78	9.0	0.922	2.01	0.0	0.0	9.761	10.244	0.0	0.0	0.0	0
9.80	9.0	0.917	1.97	0.0	0.0	9.815	10.189	0.0	0.0	0.0	0
9.82	8.0	0.893	1.93	0.0	0.0	8.959	11.163	0.0	0.0	0.0	0
9.84	8.0	0.841	1.92	0.0	0.0	9.512	10.513	0.0	0.0	0.0	0
9.86	8.0	0.793	1.90	0.0	0.0	10.088	9.913	0.0	0.0	0.0	0
9.88	8.0	0.749	1.92	0.0	0.0	10.681	9.363	0.0	0.0	0.0	0
9.90	8.0	0.677	1.97	0.0	0.0	11.817	8.463	0.0	0.0	0.0	0
9.92	8.0	0.617	2.02	0.0	0.0	12.966	7.713	0.0	0.0	0.0	0
9.94	9.0	0.602	2.12	0.0	0.0	14.95	6.689	0.0	0.0	0.0	0
9.96	8.0	0.64	2.12	0.0	0.0	12.5	8.0	0.0	0.0	0.0	0
9.98	9.0	0.691	2.12	0.0	0.0	13.025	7.678	0.0	0.0	0.0	0
10.00	9.0	0.603	2.23	0.0	0.0	14.925	6.7	0.0	0.0	0.0	0
10.02	10.0	0.61	2.30	0.0	0.0	16.393	6.1	0.0	0.0	0.0	0
10.04	11.0	0.593	2.46	0.0	0.0	18.55	5.391	0.0	0.0	0.0	0
10.06	13.0	0.538	2.64	0.0	0.0	24.164	4.138	0.0	0.0	0.0	0
10.08	14.0	0.463	2.80	0.0	0.0	30.238	3.307	0.0	0.0	0.0	0
10.10	15.0	0.406	2.85	0.0	0.0	36.946	2.707	0.0	0.0	0.0	0
10.12	16.0	0.388	2.88	0.0	0.0	41.237	2.425	0.0	0.0	0.0	0
10.14	15.0	0.395	2.88	0.0	0.0	37.975	2.633	0.0	0.0	0.0	0
10.16	16.0	0.458	2.92	0.0	0.0	34.934	2.863	0.0	0.0	0.0	0
10.18	16.0	0.535	3.00	0.0	0.0	29.907	3.344	0.0	0.0	0.0	0
10.20	17.0	0.579	3.14	0.0	0.0	29.361	3.406	0.0	0.0	0.0	0
10.22	19.0	0.593	3.19	0.0	0.0	32.04	3.121	0.0	0.0	0.0	0
10.24	19.0	0.67	3.20	0.0	0.0	28.358	3.526	0.0	0.0	0.0	0

10.26	19.0	0.696	3.19	0.0	0.0	27.299	3.663	0.0	0.0	0.0	0
10.28	18.0	0.746	3.03	0.0	0.0	24.129	4.144	0.0	0.0	0.0	0
10.30	16.0	0.824	2.89	0.0	0.0	19.417	5.15	0.0	0.0	0.0	0
10.32	15.0	0.9	2.77	0.0	0.0	16.667	6.0	0.0	0.0	0.0	0
10.34	13.0	1.02	2.64	0.0	0.0	12.745	7.846	0.0	0.0	0.0	0
10.36	11.0	1.066	2.55	0.0	0.0	10.319	9.691	0.0	0.0	0.0	0
10.38	10.0	1.053	2.47	0.0	0.0	9.497	10.53	0.0	0.0	0.0	0
10.40	10.0	1.054	2.43	0.0	0.0	9.488	10.54	0.0	0.0	0.0	0
10.42	11.0	0.998	2.51	0.0	0.0	11.022	9.073	0.0	0.0	0.0	0
10.44	12.0	0.924	2.70	0.0	0.0	12.987	7.7	0.0	0.0	0.0	0
10.46	15.0	0.854	2.96	0.0	0.0	17.564	5.693	0.0	0.0	0.0	0
10.48	18.0	0.743	3.15	0.0	0.0	24.226	4.128	0.0	0.0	0.0	0
10.50	20.0	0.627	3.29	0.0	0.0	31.898	3.135	0.0	0.0	0.0	0
10.52	20.0	0.585	3.30	0.0	0.0	34.188	2.925	0.0	0.0	0.0	0
10.54	19.0	0.646	3.26	0.0	0.0	29.412	3.4	0.0	0.0	0.0	0
10.56	19.0	0.66	3.18	0.0	0.0	28.788	3.474	0.0	0.0	0.0	0
10.58	17.0	0.725	3.04	0.0	0.0	23.448	4.265	0.0	0.0	0.0	0
10.60	16.0	0.85	2.89	0.0	0.0	18.824	5.313	0.0	0.0	0.0	0
10.62	14.0	0.961	2.80	0.0	0.0	14.568	6.864	0.0	0.0	0.0	0
10.64	13.0	1.064	2.69	0.0	0.0	12.218	8.185	0.0	0.0	0.0	0
10.66	12.0	1.086	2.66	0.0	0.0	11.05	9.05	0.0	0.0	0.0	0
10.68	12.0	1.077	2.69	0.0	0.0	11.142	8.975	0.0	0.0	0.0	0
10.70	13.0	1.066	2.74	0.0	0.0	12.195	8.2	0.0	0.0	0.0	0
10.72	14.0	0.947	2.84	0.0	0.0	14.784	6.764	0.0	0.0	0.0	0
10.74	15.0	0.82	2.91	0.0	0.0	18.293	5.467	0.0	0.0	0.0	0
10.76	15.0	0.695	2.95	0.0	0.0	21.583	4.633	0.0	0.0	0.0	0
10.78	15.0	0.599	2.92	0.0	0.0	25.042	3.993	0.0	0.0	0.0	0
10.80	15.0	0.559	2.92	0.0	0.0	26.834	3.727	0.0	0.0	0.0	0
10.82	14.0	0.585	2.89	0.0	0.0	23.932	4.179	0.0	0.0	0.0	0
10.84	14.0	0.592	2.85	0.0	0.0	23.649	4.229	0.0	0.0	0.0	0
10.86	14.0	0.631	2.89	0.0	0.0	22.187	4.507	0.0	0.0	0.0	0
10.88	15.0	0.666	2.97	0.0	0.0	22.523	4.44	0.0	0.0	0.0	0
10.90	16.0	0.697	3.04	0.0	0.0	22.956	4.356	0.0	0.0	0.0	0
10.92	15.0	0.672	3.01	0.0	0.0	22.321	4.48	0.0	0.0	0.0	0
10.94	14.0	0.653	2.92	0.0	0.0	21.44	4.664	0.0	0.0	0.0	0
10.96	13.0	0.683	2.80	0.0	0.0	19.034	5.254	0.0	0.0	0.0	0
10.98	12.0	0.718	2.58	0.0	0.0	16.713	5.983	0.0	0.0	0.0	0
11.00	11.0	0.761	2.54	0.0	0.0	14.455	6.918	0.0	0.0	0.0	0
11.02	11.0	0.814	2.55	0.0	0.0	13.514	7.4	0.0	0.0	0.0	0
11.04	11.0	0.826	2.59	0.0	0.0	13.317	7.509	0.0	0.0	0.0	0
11.06	11.0	0.744	2.64	0.0	0.0	14.785	6.764	0.0	0.0	0.0	0
11.08	11.0	0.659	2.65	0.0	0.0	16.692	5.991	0.0	0.0	0.0	0
11.10	10.0	0.55	2.66	0.0	0.0	18.182	5.5	0.0	0.0	0.0	0
11.12	11.0	0.439	2.83	0.0	0.0	25.057	3.991	0.0	0.0	0.0	0
11.14	14.0	0.319	3.16	0.0	0.0	43.887	2.279	0.0	0.0	0.0	0
11.16	17.0	0.245	3.46	0.0	0.0	69.388	1.441	0.0	0.0	0.0	0
11.18	20.0	0.235	3.68	0.0	0.0	85.106	1.175	0.0	0.0	0.0	0
11.20	21.0	0.278	3.73	0.0	0.0	75.54	1.324	0.0	0.0	0.0	0
11.22	22.0	0.383	3.71	0.0	0.0	57.441	1.741	0.0	0.0	0.0	0
11.24	22.0	0.478	3.69	0.0	0.0	46.025	2.173	0.0	0.0	0.0	0
11.26	22.0	0.617	3.63	0.0	0.0	35.656	2.805	0.0	0.0	0.0	0
11.28	21.0	0.805	3.60	0.0	0.0	26.087	3.833	0.0	0.0	0.0	0
11.30	21.0	0.966	3.65	0.0	0.0	21.739	4.6	0.0	0.0	0.0	0
11.32	22.0	1.045	3.69	0.0	0.0	21.053	4.75	0.0	0.0	0.0	0
11.34	22.0	1.106	3.73	0.0	0.0	19.892	5.027	0.0	0.0	0.0	0
11.36	22.0	1.142	3.72	0.0	0.0	19.264	5.191	0.0	0.0	0.0	0
11.38	22.0	1.183	3.72	0.0	0.0	18.597	5.377	0.0	0.0	0.0	0
11.40	22.0	1.168	3.72	0.0	0.0	18.836	5.309	0.0	0.0	0.0	0
11.42	22.0	1.123	3.68	0.0	0.0	19.59	5.105	0.0	0.0	0.0	0
11.44	21.0	1.068	3.61	0.0	0.0	19.663	5.086	0.0	0.0	0.0	0
11.46	20.0	1.068	3.58	0.0	0.0	18.727	5.34	0.0	0.0	0.0	0
11.48	20.0	1.076	3.56	0.0	0.0	18.587	5.38	0.0	0.0	0.0	0
11.50	19.0	1.063	3.50	0.0	0.0	17.874	5.595	0.0	0.0	0.0	0
11.52	19.0	1.028	3.52	0.0	0.0	18.482	5.411	0.0	0.0	0.0	0
11.54	18.0	1.008	3.46	0.0	0.0	17.857	5.6	0.0	0.0	0.0	0
11.56	18.0	1.023	3.48	0.0	0.0	17.595	5.683	0.0	0.0	0.0	0
11.58	18.0	0.966	3.50	0.0	0.0	18.634	5.367	0.0	0.0	0.0	0
11.60	18.0	0.897	3.50	0.0	0.0	20.067	4.983	0.0	0.0	0.0	0
11.62	18.0	0.845	3.49	0.0	0.0	21.302	4.694	0.0	0.0	0.0	0
11.64	17.0	0.847	3.39	0.0	0.0	20.071	4.982	0.0	0.0	0.0	0

11.66	16.0	0.875	3.30	0.0	0.0	18.286	5.469	0.0	0.0	0.0	0
11.68	14.0	0.884	3.19	0.0	0.0	15.837	6.314	0.0	0.0	0.0	0
11.70	13.0	0.861	3.11	0.0	0.0	15.099	6.623	0.0	0.0	0.0	0
11.72	12.0	0.844	3.04	0.0	0.0	14.218	7.033	0.0	0.0	0.0	0
11.74	12.0	0.82	2.99	0.0	0.0	14.634	6.833	0.0	0.0	0.0	0
11.76	11.0	0.77	2.99	0.0	0.0	14.286	7.0	0.0	0.0	0.0	0
11.78	11.0	0.678	3.01	0.0	0.0	16.224	6.164	0.0	0.0	0.0	0
11.80	12.0	0.587	3.11	0.0	0.0	20.443	4.892	0.0	0.0	0.0	0
11.82	12.0	0.485	3.18	0.0	0.0	24.742	4.042	0.0	0.0	0.0	0
11.84	12.0	0.429	3.18	0.0	0.0	27.972	3.575	0.0	0.0	0.0	0
11.86	12.0	0.411	3.16	0.0	0.0	29.197	3.425	0.0	0.0	0.0	0
11.88	12.0	0.399	3.22	0.0	0.0	30.075	3.325	0.0	0.0	0.0	0
11.90	12.0	0.353	3.30	0.0	0.0	33.994	2.942	0.0	0.0	0.0	0
11.92	13.0	0.329	3.37	0.0	0.0	39.514	2.531	0.0	0.0	0.0	0
11.94	14.0	0.328	3.42	0.0	0.0	42.683	2.343	0.0	0.0	0.0	0
11.96	16.0	0.333	3.91	0.0	0.0	48.048	2.081	0.0	0.0	0.0	0
11.98	16.0	0.377	3.91	0.0	0.0	42.44	2.356	0.0	0.0	0.0	0
12.00	16.0	0.438	3.84	0.0	0.0	36.53	2.738	0.0	0.0	0.0	0
12.02	15.0	0.524	3.80	0.0	0.0	28.626	3.493	0.0	0.0	0.0	0
12.04	14.0	0.577	3.75	0.0	0.0	24.263	4.121	0.0	0.0	0.0	0
12.06	14.0	0.586	3.73	0.0	0.0	23.891	4.186	0.0	0.0	0.0	0
12.08	14.0	0.603	3.72	0.0	0.0	23.217	4.307	0.0	0.0	0.0	0
12.10	14.0	0.599	3.75	0.0	0.0	23.372	4.279	0.0	0.0	0.0	0
12.12	14.0	0.578	3.75	0.0	0.0	24.221	4.129	0.0	0.0	0.0	0
12.14	14.0	0.554	3.76	0.0	0.0	25.271	3.957	0.0	0.0	0.0	0
12.16	14.0	0.518	3.79	0.0	0.0	27.027	3.7	0.0	0.0	0.0	0
12.18	15.0	0.505	3.80	0.0	0.0	29.703	3.367	0.0	0.0	0.0	0
12.20	14.0	0.523	3.77	0.0	0.0	26.769	3.736	0.0	0.0	0.0	0
12.22	14.0	0.511	3.77	0.0	0.0	27.397	3.65	0.0	0.0	0.0	0
12.24	14.0	0.525	3.75	0.0	0.0	26.667	3.75	0.0	0.0	0.0	0
12.26	14.0	0.507	3.80	0.0	0.0	27.613	3.621	0.0	0.0	0.0	0
12.28	14.0	0.474	3.90	0.0	0.0	29.536	3.386	0.0	0.0	0.0	0
12.30	14.0	0.481	3.94	0.0	0.0	29.106	3.436	0.0	0.0	0.0	0
12.32	14.0	0.445	3.92	0.0	0.0	31.461	3.179	0.0	0.0	0.0	0
12.34	14.0	0.449	3.95	0.0	0.0	31.18	3.207	0.0	0.0	0.0	0
12.36	14.0	0.439	4.06	0.0	0.0	31.891	3.136	0.0	0.0	0.0	0
12.38	16.0	0.405	4.15	0.0	0.0	39.506	2.531	0.0	0.0	0.0	0
12.40	16.0	0.429	4.22	0.0	0.0	37.296	2.681	0.0	0.0	0.0	0
12.42	17.0	0.413	4.29	0.0	0.0	41.162	2.429	0.0	0.0	0.0	0
12.44	17.0	0.414	4.22	0.0	0.0	41.063	2.435	0.0	0.0	0.0	0
12.46	16.0	0.501	4.09	0.0	0.0	31.936	3.131	0.0	0.0	0.0	0
12.48	15.0	0.585	4.09	0.0	0.0	25.641	3.9	0.0	0.0	0.0	0
12.50	16.0	0.617	4.24	0.0	0.0	25.932	3.856	0.0	0.0	0.0	0
12.52	18.0	0.619	4.39	0.0	0.0	29.079	3.439	0.0	0.0	0.0	0
12.54	18.0	0.616	4.41	0.0	0.0	29.221	3.422	0.0	0.0	0.0	0
12.56	17.0	0.627	4.28	0.0	0.0	27.113	3.688	0.0	0.0	0.0	0
12.58	16.0	0.658	4.15	0.0	0.0	24.316	4.113	0.0	0.0	0.0	0
12.60	15.0	0.646	4.11	0.0	0.0	23.22	4.307	0.0	0.0	0.0	0
12.62	15.0	0.624	4.18	0.0	0.0	24.038	4.16	0.0	0.0	0.0	0
12.64	15.0	0.575	4.25	0.0	0.0	26.087	3.833	0.0	0.0	0.0	0
12.66	16.0	0.566	4.29	0.0	0.0	28.269	3.538	0.0	0.0	0.0	0
12.68	16.0	0.554	4.32	0.0	0.0	28.881	3.463	0.0	0.0	0.0	0
12.70	16.0	0.536	4.37	0.0	0.0	29.851	3.35	0.0	0.0	0.0	0
12.72	17.0	0.462	4.39	0.0	0.0	36.797	2.718	0.0	0.0	0.0	0
12.74	17.0	0.454	4.39	0.0	0.0	37.445	2.671	0.0	0.0	0.0	0
12.76	17.0	0.479	4.40	0.0	0.0	35.491	2.818	0.0	0.0	0.0	0
12.78	16.0	0.509	4.32	0.0	0.0	31.434	3.181	0.0	0.0	0.0	0
12.80	15.0	0.573	4.20	0.0	0.0	26.178	3.82	0.0	0.0	0.0	0
12.82	14.0	0.593	4.17	0.0	0.0	23.609	4.236	0.0	0.0	0.0	0
12.84	14.0	0.595	4.20	0.0	0.0	23.529	4.25	0.0	0.0	0.0	0
12.86	14.0	0.565	4.37	0.0	0.0	24.779	4.036	0.0	0.0	0.0	0
12.88	15.0	0.503	4.74	0.0	0.0	29.821	3.353	0.0	0.0	0.0	0
12.90	17.0	0.466	4.91	0.0	0.0	36.481	2.741	0.0	0.0	0.0	0
12.92	17.0	0.412	4.91	0.0	0.0	41.262	2.424	0.0	0.0	0.0	0
12.94	20.0	0.391	4.10	0.0	0.0	51.151	1.955	0.0	0.0	0.0	0
12.96	17.0	0.501	4.07	0.0	0.0	33.932	2.947	0.0	0.0	0.0	0
12.98	15.0	0.481	4.15	0.0	0.0	31.185	3.207	0.0	0.0	0.0	0
13.00	14.0	0.524	4.43	0.0	0.0	26.718	3.743	0.0	0.0	0.0	0
13.02	13.0	0.506	4.47	0.0	0.0	25.692	3.892	0.0	0.0	0.0	0
13.04	13.0	0.488	4.56	0.0	0.0	26.639	3.754	0.0	0.0	0.0	0

13.06	14.0	0.475	4.89	0.0	0.0	29.474	3.393	0.0	0.0	0.0	0
13.08	15.0	0.418	5.09	0.0	0.0	35.885	2.787	0.0	0.0	0.0	0
13.10	15.0	0.363	5.14	0.0	0.0	41.322	2.42	0.0	0.0	0.0	0
13.12	16.0	0.33	5.24	0.0	0.0	48.485	2.063	0.0	0.0	0.0	0
13.14	16.0	0.301	5.29	0.0	0.0	53.156	1.881	0.0	0.0	0.0	0
13.16	16.0	0.317	5.24	0.0	0.0	50.473	1.981	0.0	0.0	0.0	0
13.18	16.0	0.365	5.44	0.0	0.0	43.836	2.281	0.0	0.0	0.0	0
13.20	17.0	0.346	5.63	0.0	0.0	49.133	2.035	0.0	0.0	0.0	0
13.22	17.0	0.357	5.70	0.0	0.0	47.619	2.1	0.0	0.0	0.0	0
13.24	18.0	0.362	5.62	0.0	0.0	49.724	2.011	0.0	0.0	0.0	0
13.26	21.0	0.417	5.95	0.0	0.0	50.36	1.986	0.0	0.0	0.0	0
13.28	22.0	0.443	5.99	0.0	0.0	49.661	2.014	0.0	0.0	0.0	0
13.30	23.0	0.443	6.03	0.0	0.0	51.919	1.926	0.0	0.0	0.0	0
13.32	23.0	0.473	4.90	0.0	0.0	48.626	2.057	0.0	0.0	0.0	0
13.34	20.0	0.692	4.28	0.0	0.0	28.902	3.46	0.0	0.0	0.0	0
13.36	19.0	0.808	4.70	0.0	0.0	23.515	4.253	0.0	0.0	0.0	0
13.38	19.0	0.824	4.75	0.0	0.0	23.058	4.337	0.0	0.0	0.0	0
13.40	19.0	0.823	4.77	0.0	0.0	23.086	4.332	0.0	0.0	0.0	0
13.42	18.0	0.885	4.74	0.0	0.0	20.339	4.917	0.0	0.0	0.0	0
13.44	17.0	0.928	4.79	0.0	0.0	18.319	5.459	0.0	0.0	0.0	0
13.46	17.0	0.908	4.78	0.0	0.0	18.722	5.341	0.0	0.0	0.0	0
13.48	17.0	0.853	4.79	0.0	0.0	19.93	5.018	0.0	0.0	0.0	0
13.50	17.0	0.813	4.81	0.0	0.0	20.91	4.782	0.0	0.0	0.0	0
13.52	17.0	0.802	4.90	0.0	0.0	21.197	4.718	0.0	0.0	0.0	0
13.54	19.0	0.805	5.05	0.0	0.0	23.602	4.237	0.0	0.0	0.0	0
13.56	19.0	0.801	5.16	0.0	0.0	23.72	4.216	0.0	0.0	0.0	0
13.58	20.0	0.801	5.31	0.0	0.0	24.969	4.005	0.0	0.0	0.0	0
13.60	21.0	0.774	5.40	0.0	0.0	27.132	3.686	0.0	0.0	0.0	0
13.62	22.0	0.784	5.46	0.0	0.0	28.061	3.564	0.0	0.0	0.0	0
13.64	22.0	0.812	5.52	0.0	0.0	27.094	3.691	0.0	0.0	0.0	0
13.66	22.0	0.825	5.51	0.0	0.0	26.667	3.75	0.0	0.0	0.0	0
13.68	21.0	0.856	5.40	0.0	0.0	24.533	4.076	0.0	0.0	0.0	0
13.70	20.0	0.917	5.29	0.0	0.0	21.81	4.585	0.0	0.0	0.0	0
13.72	19.0	0.946	5.28	0.0	0.0	20.085	4.979	0.0	0.0	0.0	0
13.74	20.0	0.953	5.31	0.0	0.0	20.986	4.765	0.0	0.0	0.0	0
13.76	20.0	0.955	5.35	0.0	0.0	20.942	4.775	0.0	0.0	0.0	0
13.78	20.0	0.954	5.33	0.0	0.0	20.964	4.77	0.0	0.0	0.0	0
13.80	20.0	0.947	5.33	0.0	0.0	21.119	4.735	0.0	0.0	0.0	0
13.82	19.0	0.937	5.31	0.0	0.0	20.277	4.932	0.0	0.0	0.0	0
13.84	18.0	0.888	5.28	0.0	0.0	20.27	4.933	0.0	0.0	0.0	0
13.86	18.0	0.862	5.27	0.0	0.0	20.882	4.789	0.0	0.0	0.0	0
13.88	18.0	0.84	5.31	0.0	0.0	21.429	4.667	0.0	0.0	0.0	0
13.90	17.0	0.784	5.46	0.0	0.0	21.684	4.612	0.0	0.0	0.0	0
13.92	18.0	0.697	5.61	0.0	0.0	25.825	3.872	0.0	0.0	0.0	0
13.94	19.0	0.555	7.78	0.0	0.0	34.234	2.921	0.0	0.0	0.0	0
13.96	18.0	0.53	7.76	0.0	0.0	33.962	2.944	0.0	0.0	0.0	0
13.98	19.0	0.512	7.87	0.0	0.0	37.109	2.695	0.0	0.0	0.0	0
14.00	19.0	0.481	8.01	0.0	0.0	39.501	2.532	0.0	0.0	0.0	0
14.02	20.0	0.457	8.01	0.0	0.0	43.764	2.285	0.0	0.0	0.0	0
14.04	20.0	0.482	7.89	0.0	0.0	41.494	2.41	0.0	0.0	0.0	0
14.06	21.0	0.536	7.71	0.0	0.0	39.179	2.552	0.0	0.0	0.0	0
14.08	20.0	0.532	7.74	0.0	0.0	37.594	2.66	0.0	0.0	0.0	0
14.10	20.0	0.547	7.74	0.0	0.0	36.563	2.735	0.0	0.0	0.0	0
14.12	20.0	0.543	7.33	0.0	0.0	36.832	2.715	0.0	0.0	0.0	0
14.14	18.0	0.604	6.85	0.0	0.0	29.801	3.356	0.0	0.0	0.0	0
14.16	17.0	0.653	7.06	0.0	0.0	26.034	3.841	0.0	0.0	0.0	0
14.18	17.0	0.623	7.08	0.0	0.0	27.287	3.665	0.0	0.0	0.0	0
14.20	17.0	0.592	6.88	0.0	0.0	28.716	3.482	0.0	0.0	0.0	0
14.22	16.0	0.604	6.75	0.0	0.0	26.49	3.775	0.0	0.0	0.0	0
14.24	15.0	0.597	6.61	0.0	0.0	25.126	3.98	0.0	0.0	0.0	0
14.26	15.0	0.581	6.62	0.0	0.0	25.818	3.873	0.0	0.0	0.0	0
14.28	15.0	0.518	6.69	0.0	0.0	28.958	3.453	0.0	0.0	0.0	0
14.30	15.0	0.433	6.75	0.0	0.0	34.642	2.887	0.0	0.0	0.0	0
14.32	15.0	0.434	6.81	0.0	0.0	34.562	2.893	0.0	0.0	0.0	0
14.34	15.0	0.445	7.03	0.0	0.0	33.708	2.967	0.0	0.0	0.0	0
14.36	16.0	0.372	7.30	0.0	0.0	43.011	2.325	0.0	0.0	0.0	0
14.38	18.0	0.322	7.53	0.0	0.0	55.901	1.789	0.0	0.0	0.0	0
14.40	19.0	0.325	7.44	0.0	0.0	58.462	1.711	0.0	0.0	0.0	0
14.42	19.0	0.334	7.49	0.0	0.0	56.886	1.758	0.0	0.0	0.0	0
14.44	21.0	0.342	7.82	0.0	0.0	61.404	1.629	0.0	0.0	0.0	0

14.46	25.0	0.345	6.47	0.0	0.0	72.464	1.38	0.0	0.0	0.0	0
14.48	33.0	0.36	8.05	0.0	0.0	91.667	1.091	0.0	0.0	0.0	0
14.50	39.0	0.391	2.70	0.0	0.0	99.744	1.003	0.0	0.0	0.0	0
14.52	34.0	0.451	1.28	0.0	0.0	75.388	1.326	0.0	0.0	0.0	0
14.54	27.0	0.555	0.68	0.0	0.0	48.649	2.056	0.0	0.0	0.0	0
14.56	20.0	0.801	0.83	0.0	0.0	24.969	4.005	0.0	0.0	0.0	0
14.58	17.0	0.901	2.19	0.0	0.0	18.868	5.3	0.0	0.0	0.0	0
14.60	16.0	0.718	2.49	0.0	0.0	22.284	4.488	0.0	0.0	0.0	0
14.62	15.0	0.665	2.80	0.0	0.0	22.556	4.433	0.0	0.0	0.0	0
14.64	15.0	0.608	3.16	0.0	0.0	24.671	4.053	0.0	0.0	0.0	0
14.66	15.0	0.542	3.31	0.0	0.0	27.675	3.613	0.0	0.0	0.0	0
14.68	15.0	0.518	3.30	0.0	0.0	28.958	3.453	0.0	0.0	0.0	0
14.70	14.0	0.485	3.31	0.0	0.0	28.866	3.464	0.0	0.0	0.0	0
14.72	13.0	0.421	3.48	0.0	0.0	30.879	3.238	0.0	0.0	0.0	0
14.74	13.0	0.358	3.61	0.0	0.0	36.313	2.754	0.0	0.0	0.0	0
14.76	13.0	0.342	3.75	0.0	0.0	38.012	2.631	0.0	0.0	0.0	0
14.78	14.0	0.333	3.87	0.0	0.0	42.042	2.379	0.0	0.0	0.0	0
14.80	14.0	0.352	3.94	0.0	0.0	39.773	2.514	0.0	0.0	0.0	0
14.82	14.0	0.365	3.96	0.0	0.0	38.356	2.607	0.0	0.0	0.0	0
14.84	13.0	0.37	3.95	0.0	0.0	35.135	2.846	0.0	0.0	0.0	0
14.86	13.0	0.381	3.94	0.0	0.0	34.121	2.931	0.0	0.0	0.0	0
14.88	13.0	0.382	3.99	0.0	0.0	34.031	2.938	0.0	0.0	0.0	0
14.90	13.0	0.381	4.22	0.0	0.0	34.121	2.931	0.0	0.0	0.0	0
14.92	15.0	0.332	6.09	0.0	0.0	45.181	2.213	0.0	0.0	0.0	0
14.94	15.0	0.335	6.11	0.0	0.0	44.776	2.233	0.0	0.0	0.0	0
14.96	0.0	0.0	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
14.98	0.0	0.0	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
15.00	0.0	0.0	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0

NATURA LITOLOGICA (Robertson 1986)

Profondità (m)	Litologia: Robertson 1986
0.02	Limi argillosi e Argille limose
0.04	Limi argillosi e Argille limose
0.06	Limi argillosi e Argille limose
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10.10	Limi argillosi e Argille limose
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14.36	Limi argillosi e Argille limose
14.38	Limi sabbiosi e Limi argillosi
14.40	Limi sabbiosi e Limi argillosi
14.42	Limi sabbiosi e Limi argillosi
14.44	Limi sabbiosi e Limi argillosi
14.46	Limi sabbiosi e Limi argillosi
14.48	Sabbie limose - Limi argillosi
14.50	Sabbie limose - Limi argillosi
14.52	Sabbie limose - Limi argillosi
14.54	Limi sabbiosi e Limi argillosi
14.56	Argille limose - Argille
14.58	Argille
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14.70	Argille limose - Argille
14.72	Argille limose - Argille
14.74	Limi argillosi e Argille limose
14.76	Limi argillosi e Argille limose

14.78	Limi argillosi e Argille limose
14.80	Limi argillosi e Argille limose
14.82	Limi argillosi e Argille limose
14.84	Argille limose - Argille
14.86	Argille limose - Argille
14.88	Argille limose - Argille
14.90	Argille limose - Argille
14.92	Limi argillosi e Argille limose
14.94	Limi argillosi e Argille limose
14.96	Stima non eseguibile
14.98	Stima non eseguibile
15.00	Stima non eseguibile

STIMA PARAMETRI GEOTECNICI

Nr:	Numero progressivo strato
Prof:	Profondità strato (m)
Tipo:	C: Coesivo. I: Incoerente. CI: Coesivo-Incoerente
Cu:	Coesione non drenata (Kg/cm ²)
Eu:	Modulo di defomazione non drenato (Kg/cm ²)
Mo:	Modulo Edometrico (Kg/cm ²)
G:	Modulo di deformazione a taglio (Kg/cm ²)
OCR:	Grado di sovraconsolidazione
Puv:	Peso unità di volume (t/m ³)
PuvS:	Peso unità di volume saturo (t/m ³)
Dr:	Densità relativa (%)
Fi:	Angolo di resistenza al taglio (°)
Ey:	Modulo di Young (Kg/cm ²)
Vs:	Velocità onde di taglio (m/s)

Nr.	Prof.	Tipo	Cu	Eu	Mo	G	OCR	Puv	PuvS	Dr	Fi	Ey	Vs
1	0.28	C	1.3	982.0	52.4	206.0	>9	2.0	2.1	--	--	--	146.42
2	10.08	C	0.4	292.5	40.1	104.0	5.6	1.8	1.9	--	--	--	202.35
3	10.16	C	0.8	534.3	48.3	149.4	2.3	1.9	2.0	--	--	--	244.08
4	10.20	C	0.8	571.6	47.7	155.3	3.1	1.9	2.0	--	--	--	247.03
5	10.22	C	1.0	665.3	44.2	169.2	3.3	2.0	2.0	--	--	--	253.51
6	10.48	C	0.7	491.7	48.4	142.8	4.9	1.9	2.0	--	--	--	241.48
7	10.52	C	1.0	701.7	42.0	174.6	3.3	2.0	2.0	--	--	--	256.80
8	11.12	C	0.7	465.5	48.2	138.8	4.0	1.9	2.0	--	--	--	240.85
9	11.26	C	1.0	688.4	42.6	173.1	1.9	2.0	2.0	--	--	--	258.27
10	11.90	C	0.8	581.6	47.3	157.6	4.4	1.9	2.0	--	--	--	252.32
11	12.00	C	0.8	508.8	48.4	146.5	1.7	1.9	2.0	--	--	--	247.94
12	12.36	C	0.7	474.6	48.4	141.1	2.5	1.9	2.0	--	--	--	245.77
13	12.44	C	0.8	563.5	47.7	155.3	1.9	1.9	2.0	--	--	--	253.38
14	12.70	C	0.8	547.0	48.0	152.8	2.8	1.9	2.0	--	--	--	252.64
15	12.76	C	0.9	581.0	47.2	158.1	2.1	1.9	2.0	--	--	--	255.63
16	12.88	C	0.7	493.2	48.4	144.5	2.6	1.9	2.0	--	--	--	249.12
17	12.96	C	0.9	608.5	46.3	162.3	2.0	1.9	2.0	--	--	--	258.13
18	13.06	C	0.7	460.0	48.3	139.2	2.2	1.9	2.0	--	--	--	246.84
19	13.32	C	0.9	619.8	45.8	164.2	1.7	1.9	2.0	--	--	--	259.68
20	13.92	C	1.0	656.5	44.0	169.8	3.7	2.0	2.0	--	--	--	263.42
21	14.12	C	1.0	673.8	42.9	172.5	2.2	2.0	2.0	--	--	--	265.71
22	14.28	C	0.8	547.5	47.9	153.8	2.5	1.9	2.0	--	--	--	257.27
23	14.46	C	0.9	616.7	45.7	164.3	1.5	1.9	2.0	--	--	--	262.76
24	14.52	CI	1.8	1262.1	70.7	247.2	<0.5	2.1	2.1	23.8	24.9	88.3	319.36
25	14.54	CI	1.4	949.5	54.0	209.8	<0.5	2.0	2.1	14.5	23.6	67.5	298.61
26	14.72	C	0.8	519.9	48.2	149.8	2.6	1.9	2.0	--	--	--	256.25
27	14.82	C	0.7	446.1	48.2	138.0	1.4	1.9	2.0	--	--	--	250.41
28	14.90	C	0.7	423.3	47.8	134.2	1.5	1.9	2.0	--	--	--	248.56
29	14.94	C	0.8	498.1	48.4	146.5	1.3	1.9	2.0	--	--	--	255.21
30	15.00	C	0.0	-64.6	0.0	0.0	<0.5	0.0	0.0	--	--	--	0.0 0

PROVA ...CPTU N°5

Committente: Comune di San Giovanni Persiceto
 Strumento utilizzato: PAGANI 200 kN (CPTU)
 Prova eseguita in data: 05/11/2017
 Profondità prova: 15.00 mt

RESISTENZE / LITOLOGIE

Profondità	
qc	Resistenza punta (Kg/cm ²);
fs	Resistenza laterale (Kg/cm ²);
Tilt	Inclinazione (°)
Temp	Temperatura (°)
Fr	fs/qcx100 (Schmertmann)
qcn	qc normalizzata (Kg/cm ²);
fsn	fs normalizzato (Kg/cm ²);
U2	Pressione neutrale intorno al cono (Kg/cm ²);
Uo	Pressione neutrale rilevata (Kg/cm ²);
Fc	Contenuto in materiale fine(%)

Profondità	qc	fs	U2	Tilt	Temp	qc/fs	Fr	Uo	qcn	fsn	FC%
0.02	0.0	0.0	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
0.04	0.0	0.0	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
0.06	15.0	0.17	0.07	0.0	0.0	88.235	1.133	0.0	0.0	0.0	0
0.08	59.0	0.17	0.44	0.0	0.0	347.059	0.288	0.0	0.0	0.0	0
0.10	60.0	0.34	0.32	0.0	0.0	176.471	0.567	0.0	0.0	0.0	0
0.12	56.0	0.45	0.30	0.0	0.0	124.444	0.804	0.0	0.0	0.0	0
0.14	50.0	0.55	0.26	0.0	0.0	90.909	1.1	0.0	0.0	0.0	0
0.16	43.0	0.57	0.22	0.0	0.0	75.439	1.326	0.0	0.0	0.0	0
0.18	34.0	0.6	0.18	0.0	0.0	56.667	1.765	0.0	0.0	0.0	0
0.20	27.0	0.59	0.13	0.0	0.0	45.763	2.185	0.0	0.0	0.0	0
0.22	23.0	0.55	0.10	0.0	0.0	41.818	2.391	0.0	0.0	0.0	0
0.24	17.0	0.5	0.06	0.0	0.0	34.0	2.941	0.0	0.0	0.0	0
0.26	14.0	0.41	0.04	0.0	0.0	34.146	2.929	0.0	0.0	0.0	0
0.28	12.0	0.37	0.03	0.0	0.0	32.432	3.083	0.0	0.0	0.0	0
0.30	10.0	0.39	0.02	0.0	0.0	25.641	3.9	0.0	0.0	0.0	0
0.32	9.0	0.4	0.02	0.0	0.0	22.5	4.444	0.0	0.0	0.0	0
0.34	9.0	0.4	0.00	0.0	0.0	22.5	4.444	0.0	0.0	0.0	0
0.36	9.0	0.4	0.00	0.0	0.0	22.5	4.444	0.0	0.0	0.0	0
0.38	9.0	0.37	0.00	0.0	0.0	24.324	4.111	0.0	0.0	0.0	0
0.40	9.0	0.33	0.00	0.0	0.0	27.273	3.667	0.0	0.0	0.0	0
0.42	9.0	0.33	0.00	0.0	0.0	27.273	3.667	0.0	0.0	0.0	0
0.44	10.0	0.34	0.00	0.0	0.0	29.412	3.4	0.0	0.0	0.0	0
0.46	10.0	0.37	0.00	0.0	0.0	27.027	3.7	0.0	0.0	0.0	0
0.48	11.0	0.43	0.00	0.0	0.0	25.581	3.909	0.0	0.0	0.0	0
0.50	12.0	0.5	0.02	0.0	0.0	24.0	4.167	0.0	0.0	0.0	0
0.52	14.0	0.57	0.02	0.0	0.0	24.561	4.071	0.0	0.0	0.0	0
0.54	17.0	0.63	0.04	0.0	0.0	26.984	3.706	0.0	0.0	0.0	0
0.56	19.0	0.69	0.06	0.0	0.0	27.536	3.632	0.0	0.0	0.0	0
0.58	20.0	0.74	0.06	0.0	0.0	27.027	3.7	0.0	0.0	0.0	0
0.60	21.0	0.79	0.06	0.0	0.0	26.582	3.762	0.0	0.0	0.0	0
0.62	22.0	0.86	0.06	0.0	0.0	25.581	3.909	0.0	0.0	0.0	0
0.64	24.0	0.92	0.06	0.0	0.0	26.087	3.833	0.0	0.0	0.0	0
0.66	29.0	1.03	0.10	0.0	0.0	28.155	3.552	0.0	0.0	0.0	0
0.68	35.0	1.14	0.14	0.0	0.0	30.702	3.257	0.0	0.0	0.0	0
0.70	40.0	1.24	0.17	0.0	0.0	32.258	3.1	0.0	0.0	0.0	0
0.72	42.0	1.25	0.18	0.0	0.0	33.6	2.976	0.0	0.0	0.0	0
0.74	41.0	1.22	0.19	0.0	0.0	33.607	2.976	0.0	0.0	0.0	0
0.76	38.0	1.12	0.19	0.0	0.0	33.929	2.947	0.0	0.0	0.0	0
0.78	35.0	0.97	0.19	0.0	0.0	36.082	2.771	0.0	0.0	0.0	0
0.80	31.0	0.78	0.18	0.0	0.0	39.744	2.516	0.0	0.0	0.0	0
0.82	27.0	0.59	0.17	0.0	0.0	45.763	2.185	0.0	0.0	0.0	0
0.84	24.0	0.53	0.17	0.0	0.0	45.283	2.208	0.0	0.0	0.0	0
0.86	21.0	0.55	0.15	0.0	0.0	38.182	2.619	0.0	0.0	0.0	0
0.88	20.0	0.63	0.14	0.0	0.0	31.746	3.15	0.0	0.0	0.0	0
0.90	19.0	0.73	0.15	0.0	0.0	26.027	3.842	0.0	0.0	0.0	0
0.92	19.0	0.85	0.15	0.0	0.0	22.353	4.474	0.0	0.0	0.0	0
0.94	20.0	0.98	0.18	0.0	0.0	20.408	4.9	0.0	0.0	0.0	0
0.96	23.0	1.15	0.19	0.0	0.0	20.0	5.0	0.0	0.0	0.0	0
0.98	28.0	1.3	0.23	0.0	0.0	21.538	4.643	0.0	0.0	0.0	0
1.00	37.0	1.36	0.30	0.0	0.0	27.206	3.676	0.0	0.0	0.0	0
1.02	44.0	1.36	0.37	0.0	0.0	32.353	3.091	0.0	0.0	0.0	0

1.04	45.0	1.38	0.40	0.0	0.0	32.609	3.067	0.0	0.0	0.0	0
1.06	45.0	1.38	0.41	0.0	0.0	32.609	3.067	0.0	0.0	0.0	0
1.08	47.0	1.25	0.71	0.0	0.0	37.6	2.66	0.0	0.0	0.0	0
1.10	51.0	1.15	0.76	0.0	0.0	44.348	2.255	0.0	0.0	0.0	0
1.12	60.0	1.01	0.87	0.0	0.0	59.406	1.683	0.0	0.0	0.0	0
1.14	69.0	0.96	0.99	0.0	0.0	71.875	1.391	0.0	0.0	0.0	0
1.16	77.0	0.85	1.05	0.0	0.0	90.588	1.104	0.0	0.0	0.0	0
1.18	80.0	0.88	1.03	0.0	0.0	90.909	1.1	0.0	0.0	0.0	0
1.20	88.0	0.89	1.14	0.0	0.0	98.876	1.011	0.0	0.0	0.0	0
1.22	91.0	0.86	1.18	0.0	0.0	105.814	0.945	0.0	0.0	0.0	0
1.24	92.0	0.91	1.13	0.0	0.0	101.099	0.989	0.0	0.0	0.0	0
1.26	87.0	0.79	0.99	0.0	0.0	110.127	0.908	0.0	0.0	0.0	0
1.28	69.0	0.8	0.76	0.0	0.0	86.25	1.159	0.0	0.0	0.0	0
1.30	58.0	0.76	0.65	0.0	0.0	76.316	1.31	0.0	0.0	0.0	0
1.32	48.0	0.82	0.56	0.0	0.0	58.537	1.708	0.0	0.0	0.0	0
1.34	39.0	0.9	0.49	0.0	0.0	43.333	2.308	0.0	0.0	0.0	0
1.36	34.0	1.01	0.46	0.0	0.0	33.663	2.971	0.0	0.0	0.0	0
1.38	34.0	1.07	0.49	0.0	0.0	31.776	3.147	0.0	0.0	0.0	0
1.40	30.0	1.1	0.48	0.0	0.0	27.273	3.667	0.0	0.0	0.0	0
1.42	26.0	1.12	0.48	0.0	0.0	23.214	4.308	0.0	0.0	0.0	0
1.44	26.0	1.21	0.51	0.0	0.0	21.488	4.654	0.0	0.0	0.0	0
1.46	26.0	1.27	0.53	0.0	0.0	20.472	4.885	0.0	0.0	0.0	0
1.48	27.0	1.37	0.56	0.0	0.0	19.708	5.074	0.0	0.0	0.0	0
1.50	28.0	1.45	0.59	0.0	0.0	19.31	5.179	0.0	0.0	0.0	0
1.52	28.0	1.45	0.61	0.0	0.0	19.31	5.179	0.0	0.0	0.0	0
1.54	28.0	1.38	0.63	0.0	0.0	20.29	4.929	0.0	0.0	0.0	0
1.56	27.0	1.32	0.64	0.0	0.0	20.455	4.889	0.0	0.0	0.0	0
1.58	24.0	1.28	0.61	0.0	0.0	18.75	5.333	0.0	0.0	0.0	0
1.60	21.0	1.27	0.59	0.0	0.0	16.535	6.048	0.0	0.0	0.0	0
1.62	19.0	1.26	0.56	0.0	0.0	15.079	6.632	0.0	0.0	0.0	0
1.64	19.0	1.25	0.57	0.0	0.0	15.2	6.579	0.0	0.0	0.0	0
1.66	20.0	1.17	0.60	0.0	0.0	17.094	5.85	0.0	0.0	0.0	0
1.68	20.0	1.06	0.61	0.0	0.0	18.868	5.3	0.0	0.0	0.0	0
1.70	20.0	0.95	0.61	0.0	0.0	21.053	4.75	0.0	0.0	0.0	0
1.72	21.0	0.88	0.64	0.0	0.0	23.864	4.19	0.0	0.0	0.0	0
1.74	22.0	0.83	0.67	0.0	0.0	26.506	3.773	0.0	0.0	0.0	0
1.76	22.0	0.79	0.67	0.0	0.0	27.848	3.591	0.0	0.0	0.0	0
1.78	22.0	0.79	0.68	0.0	0.0	27.848	3.591	0.0	0.0	0.0	0
1.80	22.0	0.82	0.68	0.0	0.0	26.829	3.727	0.0	0.0	0.0	0
1.82	22.0	0.89	0.70	0.0	0.0	24.719	4.045	0.0	0.0	0.0	0
1.84	22.0	0.98	0.70	0.0	0.0	22.449	4.455	0.0	0.0	0.0	0
1.86	21.0	1.05	0.71	0.0	0.0	20.0	5.0	0.0	0.0	0.0	0
1.88	21.0	1.1	0.71	0.0	0.0	19.091	5.238	0.0	0.0	0.0	0
1.90	20.0	1.12	0.70	0.0	0.0	17.857	5.6	0.0	0.0	0.0	0
1.92	20.0	1.14	0.70	0.0	0.0	17.544	5.7	0.0	0.0	0.0	0
1.94	19.0	1.16	0.70	0.0	0.0	16.379	6.105	0.0	0.0	0.0	0
1.96	18.0	1.19	0.68	0.0	0.0	15.126	6.611	0.0	0.0	0.0	0
1.98	18.0	1.21	0.65	0.0	0.0	14.876	6.722	0.0	0.0	0.0	0
2.00	17.0	1.26	0.65	0.0	0.0	13.492	7.412	0.0	0.0	0.0	0
2.02	17.0	1.31	0.65	0.0	0.0	12.977	7.706	0.0	0.0	0.0	0
2.04	17.0	1.44	0.74	0.0	0.0	11.806	8.471	0.0	0.0	0.0	0
2.06	17.0	1.4	0.74	0.0	0.0	12.143	8.235	0.0	0.0	0.0	0
2.08	17.0	1.36	0.74	0.0	0.0	12.5	8.0	0.0	0.0	0.0	0
2.10	17.0	1.32	0.74	0.0	0.0	12.879	7.765	0.0	0.0	0.0	0
2.12	17.0	1.29	0.74	0.0	0.0	13.178	7.588	0.0	0.0	0.0	0
2.14	17.0	1.31	0.74	0.0	0.0	12.977	7.706	0.0	0.0	0.0	0
2.16	17.0	1.28	0.74	0.0	0.0	13.281	7.529	0.0	0.0	0.0	0
2.18	17.0	1.25	0.74	0.0	0.0	13.6	7.353	0.0	0.0	0.0	0
2.20	17.0	1.25	0.74	0.0	0.0	13.6	7.353	0.0	0.0	0.0	0
2.22	17.0	1.26	0.74	0.0	0.0	13.492	7.412	0.0	0.0	0.0	0
2.24	16.0	1.26	0.74	0.0	0.0	12.698	7.875	0.0	0.0	0.0	0
2.26	15.0	1.25	0.72	0.0	0.0	12.0	8.333	0.0	0.0	0.0	0
2.28	15.0	1.24	0.71	0.0	0.0	12.097	8.267	0.0	0.0	0.0	0
2.30	15.0	1.21	0.70	0.0	0.0	12.397	8.067	0.0	0.0	0.0	0
2.32	15.0	1.19	0.70	0.0	0.0	12.605	7.933	0.0	0.0	0.0	0
2.34	15.0	1.19	0.70	0.0	0.0	12.605	7.933	0.0	0.0	0.0	0
2.36	15.0	1.18	0.71	0.0	0.0	12.712	7.867	0.0	0.0	0.0	0
2.38	15.0	1.18	0.71	0.0	0.0	12.712	7.867	0.0	0.0	0.0	0
2.40	16.0	1.18	0.72	0.0	0.0	13.559	7.375	0.0	0.0	0.0	0
2.42	16.0	1.19	0.74	0.0	0.0	13.445	7.438	0.0	0.0	0.0	0

2.44	16.0	1.16	0.74	0.0	0.0	13.793	7.25	0.0	0.0	0.0	0
2.46	15.0	1.16	0.72	0.0	0.0	12.931	7.733	0.0	0.0	0.0	0
2.48	15.0	1.17	0.72	0.0	0.0	12.821	7.8	0.0	0.0	0.0	0
2.50	15.0	1.15	0.71	0.0	0.0	13.043	7.667	0.0	0.0	0.0	0
2.52	14.0	1.14	0.72	0.0	0.0	12.281	8.143	0.0	0.0	0.0	0
2.54	14.0	1.1	0.72	0.0	0.0	12.727	7.857	0.0	0.0	0.0	0
2.56	14.0	1.08	0.74	0.0	0.0	12.963	7.714	0.0	0.0	0.0	0
2.58	14.0	1.08	0.75	0.0	0.0	12.963	7.714	0.0	0.0	0.0	0
2.60	14.0	1.06	0.78	0.0	0.0	13.208	7.571	0.0	0.0	0.0	0
2.62	15.0	1.05	0.78	0.0	0.0	14.286	7.0	0.0	0.0	0.0	0
2.64	16.0	1.03	0.78	0.0	0.0	15.534	6.438	0.0	0.0	0.0	0
2.66	16.0	1.01	0.79	0.0	0.0	15.842	6.313	0.0	0.0	0.0	0
2.68	16.0	1.0	0.80	0.0	0.0	16.0	6.25	0.0	0.0	0.0	0
2.70	16.0	1.0	0.80	0.0	0.0	16.0	6.25	0.0	0.0	0.0	0
2.72	16.0	0.99	0.82	0.0	0.0	16.162	6.188	0.0	0.0	0.0	0
2.74	16.0	0.99	0.82	0.0	0.0	16.162	6.188	0.0	0.0	0.0	0
2.76	16.0	0.99	0.83	0.0	0.0	16.162	6.188	0.0	0.0	0.0	0
2.78	16.0	0.99	0.83	0.0	0.0	16.162	6.188	0.0	0.0	0.0	0
2.80	16.0	0.99	0.83	0.0	0.0	16.162	6.188	0.0	0.0	0.0	0
2.82	15.0	1.0	0.88	0.0	0.0	15.0	6.667	0.0	0.0	0.0	0
2.84	16.0	1.03	0.90	0.0	0.0	15.534	6.438	0.0	0.0	0.0	0
2.86	16.0	1.07	0.86	0.0	0.0	14.953	6.688	0.0	0.0	0.0	0
2.88	15.0	1.11	0.86	0.0	0.0	13.514	7.4	0.0	0.0	0.0	0
2.90	15.0	1.13	0.87	0.0	0.0	13.274	7.533	0.0	0.0	0.0	0
2.92	15.0	1.13	0.87	0.0	0.0	13.274	7.533	0.0	0.0	0.0	0
2.94	15.0	1.13	0.87	0.0	0.0	13.274	7.533	0.0	0.0	0.0	0
2.96	15.0	1.12	0.88	0.0	0.0	13.393	7.467	0.0	0.0	0.0	0
2.98	14.0	1.1	0.88	0.0	0.0	12.727	7.857	0.0	0.0	0.0	0
3.00	14.0	1.04	0.88	0.0	0.0	13.462	7.429	0.0	0.0	0.0	0
3.02	15.0	1.05	0.97	0.0	0.0	14.286	7.0	0.0	0.0	0.0	0
3.04	15.0	1.06	0.98	0.0	0.0	14.151	7.067	0.0	0.0	0.0	0
3.06	15.0	1.06	0.98	0.0	0.0	14.151	7.067	0.0	0.0	0.0	0
3.08	15.0	1.1	0.99	0.0	0.0	13.636	7.333	0.0	0.0	0.0	0
3.10	16.0	1.11	1.01	0.0	0.0	14.414	6.938	0.0	0.0	0.0	0
3.12	16.0	1.12	1.01	0.0	0.0	14.286	7.0	0.0	0.0	0.0	0
3.14	16.0	1.12	1.02	0.0	0.0	14.286	7.0	0.0	0.0	0.0	0
3.16	16.0	1.12	1.03	0.0	0.0	14.286	7.0	0.0	0.0	0.0	0
3.18	16.0	1.12	1.03	0.0	0.0	14.286	7.0	0.0	0.0	0.0	0
3.20	16.0	1.15	1.05	0.0	0.0	13.913	7.188	0.0	0.0	0.0	0
3.22	17.0	1.17	1.06	0.0	0.0	14.53	6.882	0.0	0.0	0.0	0
3.24	17.0	1.19	1.06	0.0	0.0	14.286	7.0	0.0	0.0	0.0	0
3.26	17.0	1.24	1.07	0.0	0.0	13.71	7.294	0.0	0.0	0.0	0
3.28	18.0	1.27	1.07	0.0	0.0	14.173	7.056	0.0	0.0	0.0	0
3.30	18.0	1.32	1.06	0.0	0.0	13.636	7.333	0.0	0.0	0.0	0
3.32	18.0	1.39	1.01	0.0	0.0	12.95	7.722	0.0	0.0	0.0	0
3.34	18.0	1.47	1.01	0.0	0.0	12.245	8.167	0.0	0.0	0.0	0
3.36	18.0	1.52	1.01	0.0	0.0	11.842	8.444	0.0	0.0	0.0	0
3.38	18.0	1.54	1.01	0.0	0.0	11.688	8.556	0.0	0.0	0.0	0
3.40	18.0	1.56	1.01	0.0	0.0	11.538	8.667	0.0	0.0	0.0	0
3.42	18.0	1.6	1.02	0.0	0.0	11.25	8.889	0.0	0.0	0.0	0
3.44	18.0	1.58	1.03	0.0	0.0	11.392	8.778	0.0	0.0	0.0	0
3.46	20.0	1.54	1.06	0.0	0.0	12.987	7.7	0.0	0.0	0.0	0
3.48	20.0	1.53	1.06	0.0	0.0	13.072	7.65	0.0	0.0	0.0	0
3.50	20.0	1.51	1.09	0.0	0.0	13.245	7.55	0.0	0.0	0.0	0
3.52	21.0	1.49	1.12	0.0	0.0	14.094	7.095	0.0	0.0	0.0	0
3.54	21.0	1.49	1.13	0.0	0.0	14.094	7.095	0.0	0.0	0.0	0
3.56	21.0	1.52	1.13	0.0	0.0	13.816	7.238	0.0	0.0	0.0	0
3.58	21.0	1.55	1.13	0.0	0.0	13.548	7.381	0.0	0.0	0.0	0
3.60	22.0	1.54	1.14	0.0	0.0	14.286	7.0	0.0	0.0	0.0	0
3.62	22.0	1.53	1.16	0.0	0.0	14.379	6.955	0.0	0.0	0.0	0
3.64	22.0	1.53	1.18	0.0	0.0	14.379	6.955	0.0	0.0	0.0	0
3.66	22.0	1.48	1.18	0.0	0.0	14.865	6.727	0.0	0.0	0.0	0
3.68	22.0	1.45	1.18	0.0	0.0	15.172	6.591	0.0	0.0	0.0	0
3.70	22.0	1.46	1.18	0.0	0.0	15.068	6.636	0.0	0.0	0.0	0
3.72	21.0	1.46	1.18	0.0	0.0	14.384	6.952	0.0	0.0	0.0	0
3.74	21.0	1.52	1.17	0.0	0.0	13.816	7.238	0.0	0.0	0.0	0
3.76	20.0	1.52	1.16	0.0	0.0	13.158	7.6	0.0	0.0	0.0	0
3.78	18.0	1.56	1.12	0.0	0.0	11.538	8.667	0.0	0.0	0.0	0
3.80	17.0	1.6	1.09	0.0	0.0	10.625	9.412	0.0	0.0	0.0	0
3.82	17.0	1.56	1.10	0.0	0.0	10.897	9.176	0.0	0.0	0.0	0

3.84	17.0	1.51	1.12	0.0	0.0	11.258	8.882	0.0	0.0	0.0	0
3.86	17.0	1.46	1.13	0.0	0.0	11.644	8.588	0.0	0.0	0.0	0
3.88	18.0	1.38	1.14	0.0	0.0	13.043	7.667	0.0	0.0	0.0	0
3.90	19.0	1.32	1.16	0.0	0.0	14.394	6.947	0.0	0.0	0.0	0
3.92	18.0	1.27	1.16	0.0	0.0	14.173	7.056	0.0	0.0	0.0	0
3.94	16.0	1.17	1.13	0.0	0.0	13.675	7.313	0.0	0.0	0.0	0
3.96	16.0	1.1	1.12	0.0	0.0	14.545	6.875	0.0	0.0	0.0	0
3.98	15.0	1.12	1.12	0.0	0.0	13.393	7.467	0.0	0.0	0.0	0
4.00	15.0	1.11	1.10	0.0	0.0	13.514	7.4	0.0	0.0	0.0	0
4.02	15.0	1.11	1.12	0.0	0.0	13.514	7.4	0.0	0.0	0.0	0
4.04	15.0	1.1	1.14	0.0	0.0	13.636	7.333	0.0	0.0	0.0	0
4.06	15.0	1.11	1.13	0.0	0.0	13.514	7.4	0.0	0.0	0.0	0
4.08	15.0	1.12	1.14	0.0	0.0	13.393	7.467	0.0	0.0	0.0	0
4.10	15.0	1.1	1.14	0.0	0.0	13.636	7.333	0.0	0.0	0.0	0
4.12	16.0	1.07	1.17	0.0	0.0	14.953	6.688	0.0	0.0	0.0	0
4.14	16.0	1.03	1.18	0.0	0.0	15.534	6.438	0.0	0.0	0.0	0
4.16	16.0	1.0	1.18	0.0	0.0	16.0	6.25	0.0	0.0	0.0	0
4.18	17.0	0.96	1.21	0.0	0.0	17.708	5.647	0.0	0.0	0.0	0
4.20	16.0	0.95	1.17	0.0	0.0	16.842	5.938	0.0	0.0	0.0	0
4.22	15.0	0.93	1.16	0.0	0.0	16.129	6.2	0.0	0.0	0.0	0
4.24	14.0	0.9	1.13	0.0	0.0	15.556	6.429	0.0	0.0	0.0	0
4.26	14.0	0.89	1.12	0.0	0.0	15.73	6.357	0.0	0.0	0.0	0
4.28	13.0	0.82	1.10	0.0	0.0	15.854	6.308	0.0	0.0	0.0	0
4.30	13.0	0.78	1.09	0.0	0.0	16.667	6.0	0.0	0.0	0.0	0
4.32	12.0	0.77	1.05	0.0	0.0	15.584	6.417	0.0	0.0	0.0	0
4.34	12.0	0.76	1.05	0.0	0.0	15.789	6.333	0.0	0.0	0.0	0
4.36	11.0	0.76	1.03	0.0	0.0	14.474	6.909	0.0	0.0	0.0	0
4.38	11.0	0.79	1.03	0.0	0.0	13.924	7.182	0.0	0.0	0.0	0
4.40	11.0	0.81	1.05	0.0	0.0	13.58	7.364	0.0	0.0	0.0	0
4.42	12.0	0.82	1.06	0.0	0.0	14.634	6.833	0.0	0.0	0.0	0
4.44	12.0	0.79	1.06	0.0	0.0	15.19	6.583	0.0	0.0	0.0	0
4.46	12.0	0.75	1.06	0.0	0.0	16.0	6.25	0.0	0.0	0.0	0
4.48	12.0	0.74	1.06	0.0	0.0	16.216	6.167	0.0	0.0	0.0	0
4.50	12.0	0.71	1.07	0.0	0.0	16.901	5.917	0.0	0.0	0.0	0
4.52	12.0	0.69	1.07	0.0	0.0	17.391	5.75	0.0	0.0	0.0	0
4.54	12.0	0.66	1.09	0.0	0.0	18.182	5.5	0.0	0.0	0.0	0
4.56	13.0	0.64	1.09	0.0	0.0	20.313	4.923	0.0	0.0	0.0	0
4.58	13.0	0.65	1.12	0.0	0.0	20.0	5.0	0.0	0.0	0.0	0
4.60	14.0	0.66	1.13	0.0	0.0	21.212	4.714	0.0	0.0	0.0	0
4.62	15.0	0.69	1.14	0.0	0.0	21.739	4.6	0.0	0.0	0.0	0
4.64	15.0	0.71	1.17	0.0	0.0	21.127	4.733	0.0	0.0	0.0	0
4.66	16.0	0.75	1.18	0.0	0.0	21.333	4.688	0.0	0.0	0.0	0
4.68	16.0	0.81	1.20	0.0	0.0	19.753	5.063	0.0	0.0	0.0	0
4.70	16.0	0.89	1.18	0.0	0.0	17.978	5.563	0.0	0.0	0.0	0
4.72	16.0	0.96	1.18	0.0	0.0	16.667	6.0	0.0	0.0	0.0	0
4.74	16.0	0.98	1.18	0.0	0.0	16.327	6.125	0.0	0.0	0.0	0
4.76	16.0	1.01	1.18	0.0	0.0	15.842	6.313	0.0	0.0	0.0	0
4.78	15.0	1.04	1.18	0.0	0.0	14.423	6.933	0.0	0.0	0.0	0
4.80	15.0	1.04	1.16	0.0	0.0	14.423	6.933	0.0	0.0	0.0	0
4.82	14.0	1.06	1.13	0.0	0.0	13.208	7.571	0.0	0.0	0.0	0
4.84	13.0	1.07	1.12	0.0	0.0	12.15	8.231	0.0	0.0	0.0	0
4.86	13.0	1.07	1.10	0.0	0.0	12.15	8.231	0.0	0.0	0.0	0
4.88	13.0	1.06	1.10	0.0	0.0	12.264	8.154	0.0	0.0	0.0	0
4.90	13.0	1.04	1.10	0.0	0.0	12.5	8.0	0.0	0.0	0.0	0
4.92	13.0	1.03	1.10	0.0	0.0	12.621	7.923	0.0	0.0	0.0	0
4.94	13.0	0.96	1.12	0.0	0.0	13.542	7.385	0.0	0.0	0.0	0
4.96	14.0	0.8	1.25	0.0	0.0	17.5	5.714	0.0	0.0	0.0	0
4.98	13.0	0.76	1.24	0.0	0.0	17.105	5.846	0.0	0.0	0.0	0
5.00	13.0	0.69	1.22	0.0	0.0	18.841	5.308	0.0	0.0	0.0	0
5.02	12.0	0.68	1.22	0.0	0.0	17.647	5.667	0.0	0.0	0.0	0
5.04	11.0	0.66	1.21	0.0	0.0	16.667	6.0	0.0	0.0	0.0	0
5.06	11.0	0.64	1.21	0.0	0.0	17.188	5.818	0.0	0.0	0.0	0
5.08	11.0	0.58	1.22	0.0	0.0	18.966	5.273	0.0	0.0	0.0	0
5.10	11.0	0.52	1.25	0.0	0.0	21.154	4.727	0.0	0.0	0.0	0
5.12	12.0	0.49	1.28	0.0	0.0	24.49	4.083	0.0	0.0	0.0	0
5.14	12.0	0.44	1.29	0.0	0.0	27.273	3.667	0.0	0.0	0.0	0
5.16	12.0	0.41	1.31	0.0	0.0	29.268	3.417	0.0	0.0	0.0	0
5.18	11.0	0.38	1.32	0.0	0.0	28.947	3.455	0.0	0.0	0.0	0
5.20	11.0	0.35	1.33	0.0	0.0	31.429	3.182	0.0	0.0	0.0	0
5.22	11.0	0.34	1.35	0.0	0.0	32.353	3.091	0.0	0.0	0.0	0

5.24	12.0	0.36	1.39	0.0	0.0	33.333	3.0	0.0	0.0	0.0	0
5.26	13.0	0.36	1.40	0.0	0.0	36.111	2.769	0.0	0.0	0.0	0
5.28	14.0	0.34	1.40	0.0	0.0	41.176	2.429	0.0	0.0	0.0	0
5.30	14.0	0.36	1.43	0.0	0.0	38.889	2.571	0.0	0.0	0.0	0
5.32	14.0	0.4	1.44	0.0	0.0	35.0	2.857	0.0	0.0	0.0	0
5.34	13.0	0.43	1.41	0.0	0.0	30.233	3.308	0.0	0.0	0.0	0
5.36	12.0	0.48	1.36	0.0	0.0	25.0	4.0	0.0	0.0	0.0	0
5.38	11.0	0.51	1.35	0.0	0.0	21.569	4.636	0.0	0.0	0.0	0
5.40	11.0	0.51	1.36	0.0	0.0	21.569	4.636	0.0	0.0	0.0	0
5.42	12.0	0.51	1.41	0.0	0.0	23.529	4.25	0.0	0.0	0.0	0
5.44	16.0	0.48	1.55	0.0	0.0	33.333	3.0	0.0	0.0	0.0	0
5.46	18.0	0.46	1.59	0.0	0.0	39.13	2.556	0.0	0.0	0.0	0
5.48	15.0	0.48	1.36	0.0	0.0	31.25	3.2	0.0	0.0	0.0	0
5.50	14.0	0.47	1.24	0.0	0.0	29.787	3.357	0.0	0.0	0.0	0
5.52	13.0	0.49	1.18	0.0	0.0	26.531	3.769	0.0	0.0	0.0	0
5.54	12.0	0.51	1.25	0.0	0.0	23.529	4.25	0.0	0.0	0.0	0
5.56	13.0	0.56	1.26	0.0	0.0	23.214	4.308	0.0	0.0	0.0	0
5.58	14.0	0.6	1.26	0.0	0.0	23.333	4.286	0.0	0.0	0.0	0
5.60	15.0	0.63	1.31	0.0	0.0	23.81	4.2	0.0	0.0	0.0	0
5.62	15.0	0.63	1.31	0.0	0.0	23.81	4.2	0.0	0.0	0.0	0
5.64	13.0	0.58	1.14	0.0	0.0	22.414	4.462	0.0	0.0	0.0	0
5.66	11.0	0.57	1.09	0.0	0.0	19.298	5.182	0.0	0.0	0.0	0
5.68	13.0	0.51	1.22	0.0	0.0	25.49	3.923	0.0	0.0	0.0	0
5.70	16.0	0.47	1.37	0.0	0.0	34.043	2.938	0.0	0.0	0.0	0
5.72	20.0	0.42	1.32	0.0	0.0	47.619	2.1	0.0	0.0	0.0	0
5.74	19.0	0.45	1.05	0.0	0.0	42.222	2.368	0.0	0.0	0.0	0
5.76	16.0	0.49	0.97	0.0	0.0	32.653	3.063	0.0	0.0	0.0	0
5.78	14.0	0.46	1.20	0.0	0.0	30.435	3.286	0.0	0.0	0.0	0
5.80	13.0	0.43	1.69	0.0	0.0	30.233	3.308	0.0	0.0	0.0	0
5.82	14.0	0.41	1.89	0.0	0.0	34.146	2.929	0.0	0.0	0.0	0
5.84	13.0	0.44	1.97	0.0	0.0	29.545	3.385	0.0	0.0	0.0	0
5.86	13.0	0.45	2.09	0.0	0.0	28.889	3.462	0.0	0.0	0.0	0
5.88	13.0	0.43	2.11	0.0	0.0	30.233	3.308	0.0	0.0	0.0	0
5.90	13.0	0.42	2.11	0.0	0.0	30.952	3.231	0.0	0.0	0.0	0
5.92	13.0	0.43	2.16	0.0	0.0	30.233	3.308	0.0	0.0	0.0	0
5.94	14.0	0.51	2.19	0.0	0.0	27.451	3.643	0.0	0.0	0.0	0
5.96	14.0	0.53	2.21	0.0	0.0	26.415	3.786	0.0	0.0	0.0	0
5.98	15.0	0.57	2.30	0.0	0.0	26.316	3.8	0.0	0.0	0.0	0
6.00	14.0	0.62	2.35	0.0	0.0	22.581	4.429	0.0	0.0	0.0	0
6.02	14.0	0.6	2.35	0.0	0.0	23.333	4.286	0.0	0.0	0.0	0
6.04	15.0	0.59	2.43	0.0	0.0	25.424	3.933	0.0	0.0	0.0	0
6.06	15.0	0.56	2.57	0.0	0.0	26.786	3.733	0.0	0.0	0.0	0
6.08	15.0	0.51	2.51	0.0	0.0	29.412	3.4	0.0	0.0	0.0	0
6.10	14.0	0.49	2.39	0.0	0.0	28.571	3.5	0.0	0.0	0.0	0
6.12	15.0	0.51	2.42	0.0	0.0	29.412	3.4	0.0	0.0	0.0	0
6.14	14.0	0.56	2.64	0.0	0.0	25.0	4.0	0.0	0.0	0.0	0
6.16	14.0	0.58	2.38	0.0	0.0	24.138	4.143	0.0	0.0	0.0	0
6.18	15.0	0.57	2.57	0.0	0.0	26.316	3.8	0.0	0.0	0.0	0
6.20	15.0	0.64	2.57	0.0	0.0	23.438	4.267	0.0	0.0	0.0	0
6.22	14.0	0.67	2.58	0.0	0.0	20.896	4.786	0.0	0.0	0.0	0
6.24	13.0	0.65	2.46	0.0	0.0	20.0	5.0	0.0	0.0	0.0	0
6.26	13.0	0.65	2.54	0.0	0.0	20.0	5.0	0.0	0.0	0.0	0
6.28	13.0	0.68	2.65	0.0	0.0	19.118	5.231	0.0	0.0	0.0	0
6.30	14.0	0.71	2.73	0.0	0.0	19.718	5.071	0.0	0.0	0.0	0
6.32	14.0	0.69	2.74	0.0	0.0	20.29	4.929	0.0	0.0	0.0	0
6.34	14.0	0.69	2.74	0.0	0.0	20.29	4.929	0.0	0.0	0.0	0
6.36	14.0	0.71	2.65	0.0	0.0	19.718	5.071	0.0	0.0	0.0	0
6.38	15.0	0.7	2.72	0.0	0.0	21.429	4.667	0.0	0.0	0.0	0
6.40	16.0	0.71	2.84	0.0	0.0	22.535	4.438	0.0	0.0	0.0	0
6.42	15.0	0.72	2.83	0.0	0.0	20.833	4.8	0.0	0.0	0.0	0
6.44	16.0	0.67	2.83	0.0	0.0	23.881	4.188	0.0	0.0	0.0	0
6.46	16.0	0.71	2.87	0.0	0.0	22.535	4.438	0.0	0.0	0.0	0
6.48	16.0	0.74	2.92	0.0	0.0	21.622	4.625	0.0	0.0	0.0	0
6.50	15.0	0.71	2.83	0.0	0.0	21.127	4.733	0.0	0.0	0.0	0
6.52	16.0	0.7	2.93	0.0	0.0	22.857	4.375	0.0	0.0	0.0	0
6.54	17.0	0.74	3.08	0.0	0.0	22.973	4.353	0.0	0.0	0.0	0
6.56	17.0	0.79	3.08	0.0	0.0	21.519	4.647	0.0	0.0	0.0	0
6.58	18.0	0.78	3.06	0.0	0.0	23.077	4.333	0.0	0.0	0.0	0
6.60	18.0	0.74	3.01	0.0	0.0	24.324	4.111	0.0	0.0	0.0	0
6.62	17.0	0.79	2.99	0.0	0.0	21.519	4.647	0.0	0.0	0.0	0

6.64	16.0	0.83	2.97	0.0	0.0	19.277	5.188	0.0	0.0	0.0	0
6.66	15.0	0.84	2.93	0.0	0.0	17.857	5.6	0.0	0.0	0.0	0
6.68	15.0	0.81	2.91	0.0	0.0	18.519	5.4	0.0	0.0	0.0	0
6.70	15.0	0.81	2.89	0.0	0.0	18.519	5.4	0.0	0.0	0.0	0
6.72	17.0	0.82	3.07	0.0	0.0	20.732	4.824	0.0	0.0	0.0	0
6.74	21.0	0.74	3.33	0.0	0.0	28.378	3.524	0.0	0.0	0.0	0
6.76	23.0	0.65	3.11	0.0	0.0	35.385	2.826	0.0	0.0	0.0	0
6.78	20.0	0.54	2.40	0.0	0.0	37.037	2.7	0.0	0.0	0.0	0
6.80	16.0	0.6	2.16	0.0	0.0	26.667	3.75	0.0	0.0	0.0	0
6.82	14.0	0.67	2.09	0.0	0.0	20.896	4.786	0.0	0.0	0.0	0
6.84	11.0	0.65	2.42	0.0	0.0	16.923	5.909	0.0	0.0	0.0	0
6.86	10.0	0.62	2.46	0.0	0.0	16.129	6.2	0.0	0.0	0.0	0
6.88	10.0	0.6	2.54	0.0	0.0	16.667	6.0	0.0	0.0	0.0	0
6.90	13.0	0.57	2.55	0.0	0.0	22.807	4.385	0.0	0.0	0.0	0
6.92	13.0	0.51	2.57	0.0	0.0	25.49	3.923	0.0	0.0	0.0	0
6.94	12.0	0.46	2.61	0.0	0.0	26.087	3.833	0.0	0.0	0.0	0
6.96	12.0	0.42	2.68	0.0	0.0	28.571	3.5	0.0	0.0	0.0	0
6.98	12.0	0.39	2.77	0.0	0.0	30.769	3.25	0.0	0.0	0.0	0
7.00	12.0	0.36	2.84	0.0	0.0	33.333	3.0	0.0	0.0	0.0	0
7.02	13.0	0.36	2.93	0.0	0.0	36.111	2.769	0.0	0.0	0.0	0
7.04	13.0	0.37	3.04	0.0	0.0	35.135	2.846	0.0	0.0	0.0	0
7.06	14.0	0.35	3.15	0.0	0.0	40.0	2.5	0.0	0.0	0.0	0
7.08	16.0	0.36	3.27	0.0	0.0	44.444	2.25	0.0	0.0	0.0	0
7.10	17.0	0.36	3.35	0.0	0.0	47.222	2.118	0.0	0.0	0.0	0
7.12	18.0	0.38	3.38	0.0	0.0	47.368	2.111	0.0	0.0	0.0	0
7.14	18.0	0.43	3.41	0.0	0.0	41.86	2.389	0.0	0.0	0.0	0
7.16	19.0	0.48	3.34	0.0	0.0	39.583	2.526	0.0	0.0	0.0	0
7.18	18.0	0.56	2.81	0.0	0.0	32.143	3.111	0.0	0.0	0.0	0
7.20	17.0	0.61	2.38	0.0	0.0	27.869	3.588	0.0	0.0	0.0	0
7.22	16.0	0.72	2.35	0.0	0.0	22.222	4.5	0.0	0.0	0.0	0
7.24	15.0	0.82	2.45	0.0	0.0	18.293	5.467	0.0	0.0	0.0	0
7.26	14.0	0.86	2.45	0.0	0.0	16.279	6.143	0.0	0.0	0.0	0
7.28	14.0	0.87	2.46	0.0	0.0	16.092	6.214	0.0	0.0	0.0	0
7.30	13.0	0.86	2.51	0.0	0.0	15.116	6.615	0.0	0.0	0.0	0
7.32	12.0	0.81	2.53	0.0	0.0	14.815	6.75	0.0	0.0	0.0	0
7.34	12.0	0.71	2.57	0.0	0.0	16.901	5.917	0.0	0.0	0.0	0
7.36	12.0	0.6	2.61	0.0	0.0	20.0	5.0	0.0	0.0	0.0	0
7.38	12.0	0.52	2.66	0.0	0.0	23.077	4.333	0.0	0.0	0.0	0
7.40	12.0	0.44	2.77	0.0	0.0	27.273	3.667	0.0	0.0	0.0	0
7.42	13.0	0.38	2.91	0.0	0.0	34.211	2.923	0.0	0.0	0.0	0
7.44	14.0	0.35	3.04	0.0	0.0	40.0	2.5	0.0	0.0	0.0	0
7.46	14.0	0.33	3.11	0.0	0.0	42.424	2.357	0.0	0.0	0.0	0
7.48	14.0	0.34	3.15	0.0	0.0	41.176	2.429	0.0	0.0	0.0	0
7.50	14.0	0.37	3.16	0.0	0.0	37.838	2.643	0.0	0.0	0.0	0
7.52	13.0	0.37	3.18	0.0	0.0	35.135	2.846	0.0	0.0	0.0	0
7.54	13.0	0.37	3.14	0.0	0.0	35.135	2.846	0.0	0.0	0.0	0
7.56	11.0	0.38	3.08	0.0	0.0	28.947	3.455	0.0	0.0	0.0	0
7.58	11.0	0.39	3.03	0.0	0.0	28.205	3.545	0.0	0.0	0.0	0
7.60	10.0	0.39	2.99	0.0	0.0	25.641	3.9	0.0	0.0	0.0	0
7.62	10.0	0.39	2.95	0.0	0.0	25.641	3.9	0.0	0.0	0.0	0
7.64	9.0	0.37	2.91	0.0	0.0	24.324	4.111	0.0	0.0	0.0	0
7.66	9.0	0.36	2.93	0.0	0.0	25.0	4.0	0.0	0.0	0.0	0
7.68	9.0	0.35	2.95	0.0	0.0	25.714	3.889	0.0	0.0	0.0	0
7.70	9.0	0.32	2.96	0.0	0.0	28.125	3.556	0.0	0.0	0.0	0
7.72	9.0	0.3	2.95	0.0	0.0	30.0	3.333	0.0	0.0	0.0	0
7.74	9.0	0.32	2.92	0.0	0.0	28.125	3.556	0.0	0.0	0.0	0
7.76	9.0	0.29	2.92	0.0	0.0	31.034	3.222	0.0	0.0	0.0	0
7.78	10.0	0.29	2.99	0.0	0.0	34.483	2.9	0.0	0.0	0.0	0
7.80	12.0	0.25	3.12	0.0	0.0	48.0	2.083	0.0	0.0	0.0	0
7.82	12.0	0.25	2.95	0.0	0.0	48.0	2.083	0.0	0.0	0.0	0
7.84	13.0	0.29	3.00	0.0	0.0	44.828	2.231	0.0	0.0	0.0	0
7.86	12.0	0.31	2.96	0.0	0.0	38.71	2.583	0.0	0.0	0.0	0
7.88	15.0	0.38	2.83	0.0	0.0	39.474	2.533	0.0	0.0	0.0	0
7.90	16.0	0.41	2.93	0.0	0.0	39.024	2.563	0.0	0.0	0.0	0
7.92	17.0	0.46	3.11	0.0	0.0	36.957	2.706	0.0	0.0	0.0	0
7.94	16.0	0.46	2.45	0.0	0.0	34.783	2.875	0.0	0.0	0.0	0
7.96	17.0	0.51	2.46	0.0	0.0	33.333	3.0	0.0	0.0	0.0	0
7.98	19.0	0.51	2.24	0.0	0.0	37.255	2.684	0.0	0.0	0.0	0
8.00	20.0	0.51	2.72	0.0	0.0	39.216	2.55	0.0	0.0	0.0	0
8.02	18.0	0.52	3.07	0.0	0.0	34.615	2.889	0.0	0.0	0.0	0

8.04	17.0	0.46	2.58	0.0	0.0	36.957	2.706	0.0	0.0	0.0	0
8.06	15.0	0.53	2.70	0.0	0.0	28.302	3.533	0.0	0.0	0.0	0
8.08	14.0	0.55	2.96	0.0	0.0	25.455	3.929	0.0	0.0	0.0	0
8.10	13.0	0.52	3.06	0.0	0.0	25.0	4.0	0.0	0.0	0.0	0
8.12	13.0	0.53	3.12	0.0	0.0	24.528	4.077	0.0	0.0	0.0	0
8.14	13.0	0.49	3.38	0.0	0.0	26.531	3.769	0.0	0.0	0.0	0
8.16	15.0	0.44	3.16	0.0	0.0	34.091	2.933	0.0	0.0	0.0	0
8.18	15.0	0.45	3.49	0.0	0.0	33.333	3.0	0.0	0.0	0.0	0
8.20	14.0	0.39	2.84	0.0	0.0	35.897	2.786	0.0	0.0	0.0	0
8.22	14.0	0.45	3.04	0.0	0.0	31.111	3.214	0.0	0.0	0.0	0
8.24	15.0	0.43	3.45	0.0	0.0	34.884	2.867	0.0	0.0	0.0	0
8.26	14.0	0.41	3.46	0.0	0.0	34.146	2.929	0.0	0.0	0.0	0
8.28	16.0	0.42	3.48	0.0	0.0	38.095	2.625	0.0	0.0	0.0	0
8.30	19.0	0.43	3.73	0.0	0.0	44.186	2.263	0.0	0.0	0.0	0
8.32	21.0	0.39	3.72	0.0	0.0	53.846	1.857	0.0	0.0	0.0	0
8.34	20.0	0.41	3.25	0.0	0.0	48.78	2.05	0.0	0.0	0.0	0
8.36	21.0	0.49	3.35	0.0	0.0	42.857	2.333	0.0	0.0	0.0	0
8.38	26.0	0.5	4.58	0.0	0.0	52.0	1.923	0.0	0.0	0.0	0
8.40	27.0	0.44	2.31	0.0	0.0	61.364	1.63	0.0	0.0	0.0	0
8.42	20.0	0.55	1.10	0.0	0.0	36.364	2.75	0.0	0.0	0.0	0
8.44	16.0	0.6	1.26	0.0	0.0	26.667	3.75	0.0	0.0	0.0	0
8.46	13.0	0.6	1.83	0.0	0.0	21.667	4.615	0.0	0.0	0.0	0
8.48	13.0	0.56	2.40	0.0	0.0	23.214	4.308	0.0	0.0	0.0	0
8.50	12.0	0.56	2.89	0.0	0.0	21.429	4.667	0.0	0.0	0.0	0
8.52	13.0	0.49	3.26	0.0	0.0	26.531	3.769	0.0	0.0	0.0	0
8.54	15.0	0.47	3.73	0.0	0.0	31.915	3.133	0.0	0.0	0.0	0
8.56	17.0	0.39	3.95	0.0	0.0	43.59	2.294	0.0	0.0	0.0	0
8.58	18.0	0.33	3.57	0.0	0.0	54.545	1.833	0.0	0.0	0.0	0
8.60	16.0	0.4	3.37	0.0	0.0	40.0	2.5	0.0	0.0	0.0	0
8.62	17.0	0.39	3.58	0.0	0.0	43.59	2.294	0.0	0.0	0.0	0
8.64	19.0	0.39	3.67	0.0	0.0	48.718	2.053	0.0	0.0	0.0	0
8.66	17.0	0.42	2.69	0.0	0.0	40.476	2.471	0.0	0.0	0.0	0
8.68	16.0	0.51	2.85	0.0	0.0	31.373	3.188	0.0	0.0	0.0	0
8.70	15.0	0.52	2.85	0.0	0.0	28.846	3.467	0.0	0.0	0.0	0
8.72	13.0	0.49	2.81	0.0	0.0	26.531	3.769	0.0	0.0	0.0	0
8.74	12.0	0.47	2.77	0.0	0.0	25.532	3.917	0.0	0.0	0.0	0
8.76	10.0	0.47	2.85	0.0	0.0	21.277	4.7	0.0	0.0	0.0	0
8.78	10.0	0.43	2.95	0.0	0.0	23.256	4.3	0.0	0.0	0.0	0
8.80	10.0	0.38	3.10	0.0	0.0	26.316	3.8	0.0	0.0	0.0	0
8.82	10.0	0.33	3.18	0.0	0.0	30.303	3.3	0.0	0.0	0.0	0
8.84	10.0	0.31	3.16	0.0	0.0	32.258	3.1	0.0	0.0	0.0	0
8.86	11.0	0.35	2.51	0.0	0.0	31.429	3.182	0.0	0.0	0.0	0
8.88	10.0	0.35	2.55	0.0	0.0	28.571	3.5	0.0	0.0	0.0	0
8.90	10.0	0.35	2.68	0.0	0.0	28.571	3.5	0.0	0.0	0.0	0
8.92	11.0	0.34	2.74	0.0	0.0	32.353	3.091	0.0	0.0	0.0	0
8.94	11.0	0.36	2.81	0.0	0.0	30.556	3.273	0.0	0.0	0.0	0
8.96	11.0	0.36	2.85	0.0	0.0	30.556	3.273	0.0	0.0	0.0	0
8.98	12.0	0.36	2.89	0.0	0.0	33.333	3.0	0.0	0.0	0.0	0
9.00	10.0	0.36	2.87	0.0	0.0	27.778	3.6	0.0	0.0	0.0	0
9.02	9.0	0.33	2.77	0.0	0.0	27.273	3.667	0.0	0.0	0.0	0
9.04	8.0	0.34	2.73	0.0	0.0	23.529	4.25	0.0	0.0	0.0	0
9.06	8.0	0.31	2.78	0.0	0.0	25.806	3.875	0.0	0.0	0.0	0
9.08	8.0	0.27	2.78	0.0	0.0	29.63	3.375	0.0	0.0	0.0	0
9.10	9.0	0.28	2.81	0.0	0.0	32.143	3.111	0.0	0.0	0.0	0
9.12	9.0	0.27	2.83	0.0	0.0	33.333	3.0	0.0	0.0	0.0	0
9.14	9.0	0.26	2.83	0.0	0.0	34.615	2.889	0.0	0.0	0.0	0
9.16	8.0	0.26	2.84	0.0	0.0	30.769	3.25	0.0	0.0	0.0	0
9.18	8.0	0.23	2.84	0.0	0.0	34.783	2.875	0.0	0.0	0.0	0
9.20	8.0	0.24	2.84	0.0	0.0	33.333	3.0	0.0	0.0	0.0	0
9.22	8.0	0.23	2.91	0.0	0.0	34.783	2.875	0.0	0.0	0.0	0
9.24	9.0	0.22	3.01	0.0	0.0	40.909	2.444	0.0	0.0	0.0	0
9.26	10.0	0.22	3.07	0.0	0.0	45.455	2.2	0.0	0.0	0.0	0
9.28	10.0	0.23	3.08	0.0	0.0	43.478	2.3	0.0	0.0	0.0	0
9.30	10.0	0.24	3.07	0.0	0.0	41.667	2.4	0.0	0.0	0.0	0
9.32	10.0	0.26	3.03	0.0	0.0	38.462	2.6	0.0	0.0	0.0	0
9.34	9.0	0.26	2.93	0.0	0.0	34.615	2.889	0.0	0.0	0.0	0
9.36	9.0	0.3	2.88	0.0	0.0	30.0	3.333	0.0	0.0	0.0	0
9.38	8.0	0.36	2.88	0.0	0.0	22.222	4.5	0.0	0.0	0.0	0
9.40	9.0	0.35	2.96	0.0	0.0	25.714	3.889	0.0	0.0	0.0	0
9.42	10.0	0.33	2.99	0.0	0.0	30.303	3.3	0.0	0.0	0.0	0

9.44	9.0	0.32	2.87	0.0	0.0	28.125	3.556	0.0	0.0	0.0	0
9.46	9.0	0.35	2.74	0.0	0.0	25.714	3.889	0.0	0.0	0.0	0
9.48	11.0	0.28	3.07	0.0	0.0	39.286	2.545	0.0	0.0	0.0	0
9.50	11.0	0.23	2.26	0.0	0.0	47.826	2.091	0.0	0.0	0.0	0
9.52	9.0	0.25	1.45	0.0	0.0	36.0	2.778	0.0	0.0	0.0	0
9.54	7.0	0.28	1.31	0.0	0.0	25.0	4.0	0.0	0.0	0.0	0
9.56	5.0	0.24	1.35	0.0	0.0	20.833	4.8	0.0	0.0	0.0	0
9.58	5.0	0.2	1.44	0.0	0.0	25.0	4.0	0.0	0.0	0.0	0
9.60	5.0	0.16	1.47	0.0	0.0	31.25	3.2	0.0	0.0	0.0	0
9.62	5.0	0.14	1.48	0.0	0.0	35.714	2.8	0.0	0.0	0.0	0
9.64	5.0	0.14	1.50	0.0	0.0	35.714	2.8	0.0	0.0	0.0	0
9.66	4.0	0.14	1.48	0.0	0.0	28.571	3.5	0.0	0.0	0.0	0
9.68	4.0	0.13	1.50	0.0	0.0	30.769	3.25	0.0	0.0	0.0	0
9.70	4.0	0.11	1.56	0.0	0.0	36.364	2.75	0.0	0.0	0.0	0
9.72	5.0	0.1	1.62	0.0	0.0	50.0	2.0	0.0	0.0	0.0	0
9.74	5.0	0.11	1.64	0.0	0.0	45.455	2.2	0.0	0.0	0.0	0
9.76	5.0	0.12	1.69	0.0	0.0	41.667	2.4	0.0	0.0	0.0	0
9.78	6.0	0.12	1.71	0.0	0.0	50.0	2.0	0.0	0.0	0.0	0
9.80	6.0	0.13	1.74	0.0	0.0	46.154	2.167	0.0	0.0	0.0	0
9.82	6.0	0.14	1.78	0.0	0.0	42.857	2.333	0.0	0.0	0.0	0
9.84	6.0	0.13	1.78	0.0	0.0	46.154	2.167	0.0	0.0	0.0	0
9.86	6.0	0.18	1.89	0.0	0.0	33.333	3.0	0.0	0.0	0.0	0
9.88	6.0	0.18	1.89	0.0	0.0	33.333	3.0	0.0	0.0	0.0	0
9.90	6.0	0.19	1.94	0.0	0.0	31.579	3.167	0.0	0.0	0.0	0
9.92	7.0	0.16	2.11	0.0	0.0	43.75	2.286	0.0	0.0	0.0	0
9.94	8.0	0.15	2.31	0.0	0.0	53.333	1.875	0.0	0.0	0.0	0
9.96	9.0	0.16	2.26	0.0	0.0	56.25	1.778	0.0	0.0	0.0	0
9.98	10.0	0.17	2.19	0.0	0.0	58.824	1.7	0.0	0.0	0.0	0
10.00	10.0	0.19	2.04	0.0	0.0	52.632	1.9	0.0	0.0	0.0	0
10.02	9.0	0.22	2.12	0.0	0.0	40.909	2.444	0.0	0.0	0.0	0
10.04	9.0	0.22	2.12	0.0	0.0	40.909	2.444	0.0	0.0	0.0	0
10.06	8.0	0.24	2.12	0.0	0.0	33.333	3.0	0.0	0.0	0.0	0
10.08	8.0	0.25	2.19	0.0	0.0	32.0	3.125	0.0	0.0	0.0	0
10.10	8.0	0.25	2.21	0.0	0.0	32.0	3.125	0.0	0.0	0.0	0
10.12	8.0	0.26	2.26	0.0	0.0	30.769	3.25	0.0	0.0	0.0	0
10.14	8.0	0.25	2.28	0.0	0.0	32.0	3.125	0.0	0.0	0.0	0
10.16	8.0	0.25	2.28	0.0	0.0	32.0	3.125	0.0	0.0	0.0	0
10.18	8.0	0.25	2.30	0.0	0.0	32.0	3.125	0.0	0.0	0.0	0
10.20	8.0	0.25	2.31	0.0	0.0	32.0	3.125	0.0	0.0	0.0	0
10.22	8.0	0.26	2.34	0.0	0.0	30.769	3.25	0.0	0.0	0.0	0
10.24	8.0	0.27	2.38	0.0	0.0	29.63	3.375	0.0	0.0	0.0	0
10.26	9.0	0.28	2.40	0.0	0.0	32.143	3.111	0.0	0.0	0.0	0
10.28	9.0	0.3	2.42	0.0	0.0	30.0	3.333	0.0	0.0	0.0	0
10.30	9.0	0.31	2.46	0.0	0.0	29.032	3.444	0.0	0.0	0.0	0
10.32	9.0	0.31	2.49	0.0	0.0	29.032	3.444	0.0	0.0	0.0	0
10.34	9.0	0.32	2.51	0.0	0.0	28.125	3.556	0.0	0.0	0.0	0
10.36	9.0	0.33	2.55	0.0	0.0	27.273	3.667	0.0	0.0	0.0	0
10.38	10.0	0.34	2.58	0.0	0.0	29.412	3.4	0.0	0.0	0.0	0
10.40	10.0	0.34	2.61	0.0	0.0	29.412	3.4	0.0	0.0	0.0	0
10.42	10.0	0.35	2.66	0.0	0.0	28.571	3.5	0.0	0.0	0.0	0
10.44	11.0	0.34	2.70	0.0	0.0	32.353	3.091	0.0	0.0	0.0	0
10.46	11.0	0.36	2.73	0.0	0.0	30.556	3.273	0.0	0.0	0.0	0
10.48	11.0	0.36	2.73	0.0	0.0	30.556	3.273	0.0	0.0	0.0	0
10.50	11.0	0.41	2.73	0.0	0.0	26.829	3.727	0.0	0.0	0.0	0
10.52	11.0	0.45	2.73	0.0	0.0	24.444	4.091	0.0	0.0	0.0	0
10.54	10.0	0.46	2.73	0.0	0.0	21.739	4.6	0.0	0.0	0.0	0
10.56	11.0	0.47	2.73	0.0	0.0	23.404	4.273	0.0	0.0	0.0	0
10.58	11.0	0.47	2.74	0.0	0.0	23.404	4.273	0.0	0.0	0.0	0
10.60	12.0	0.48	2.83	0.0	0.0	25.0	4.0	0.0	0.0	0.0	0
10.62	14.0	0.48	2.95	0.0	0.0	29.167	3.429	0.0	0.0	0.0	0
10.64	15.0	0.49	3.04	0.0	0.0	30.612	3.267	0.0	0.0	0.0	0
10.66	15.0	0.48	2.93	0.0	0.0	31.25	3.2	0.0	0.0	0.0	0
10.68	14.0	0.48	2.81	0.0	0.0	29.167	3.429	0.0	0.0	0.0	0
10.70	14.0	0.51	2.87	0.0	0.0	27.451	3.643	0.0	0.0	0.0	0
10.72	14.0	0.49	2.93	0.0	0.0	28.571	3.5	0.0	0.0	0.0	0
10.74	14.0	0.48	2.95	0.0	0.0	29.167	3.429	0.0	0.0	0.0	0
10.76	14.0	0.47	2.93	0.0	0.0	29.787	3.357	0.0	0.0	0.0	0
10.78	14.0	0.43	2.99	0.0	0.0	32.558	3.071	0.0	0.0	0.0	0
10.80	15.0	0.42	3.03	0.0	0.0	35.714	2.8	0.0	0.0	0.0	0
10.82	17.0	0.47	1.01	0.0	0.0	36.17	2.765	0.0	0.0	0.0	0

10.84	13.0	0.43	0.97	0.0	0.0	30.233	3.308	0.0	0.0	0.0	0
10.86	11.0	0.41	1.40	0.0	0.0	26.829	3.727	0.0	0.0	0.0	0
10.88	11.0	0.35	1.86	0.0	0.0	31.429	3.182	0.0	0.0	0.0	0
10.90	11.0	0.31	1.92	0.0	0.0	35.484	2.818	0.0	0.0	0.0	0
10.92	11.0	0.33	1.90	0.0	0.0	33.333	3.0	0.0	0.0	0.0	0
10.94	11.0	0.33	1.92	0.0	0.0	33.333	3.0	0.0	0.0	0.0	0
10.96	11.0	0.33	1.92	0.0	0.0	33.333	3.0	0.0	0.0	0.0	0
10.98	10.0	0.33	1.90	0.0	0.0	30.303	3.3	0.0	0.0	0.0	0
11.00	9.0	0.29	1.93	0.0	0.0	31.034	3.222	0.0	0.0	0.0	0
11.02	10.0	0.25	2.15	0.0	0.0	40.0	2.5	0.0	0.0	0.0	0
11.04	10.0	0.22	2.39	0.0	0.0	45.455	2.2	0.0	0.0	0.0	0
11.06	10.0	0.22	2.31	0.0	0.0	45.455	2.2	0.0	0.0	0.0	0
11.08	10.0	0.27	2.35	0.0	0.0	37.037	2.7	0.0	0.0	0.0	0
11.10	10.0	0.25	2.53	0.0	0.0	40.0	2.5	0.0	0.0	0.0	0
11.12	11.0	0.24	2.57	0.0	0.0	45.833	2.182	0.0	0.0	0.0	0
11.14	10.0	0.25	2.42	0.0	0.0	40.0	2.5	0.0	0.0	0.0	0
11.16	9.0	0.26	2.76	0.0	0.0	34.615	2.889	0.0	0.0	0.0	0
11.18	9.0	0.24	2.78	0.0	0.0	37.5	2.667	0.0	0.0	0.0	0
11.20	9.0	0.24	2.78	0.0	0.0	37.5	2.667	0.0	0.0	0.0	0
11.22	9.0	0.24	2.77	0.0	0.0	37.5	2.667	0.0	0.0	0.0	0
11.24	9.0	0.25	2.78	0.0	0.0	36.0	2.778	0.0	0.0	0.0	0
11.26	9.0	0.27	2.77	0.0	0.0	33.333	3.0	0.0	0.0	0.0	0
11.28	9.0	0.29	2.77	0.0	0.0	31.034	3.222	0.0	0.0	0.0	0
11.30	9.0	0.29	2.77	0.0	0.0	31.034	3.222	0.0	0.0	0.0	0
11.32	9.0	0.29	2.77	0.0	0.0	31.034	3.222	0.0	0.0	0.0	0
11.34	9.0	0.3	2.77	0.0	0.0	30.0	3.333	0.0	0.0	0.0	0
11.36	9.0	0.29	2.81	0.0	0.0	31.034	3.222	0.0	0.0	0.0	0
11.38	9.0	0.28	2.87	0.0	0.0	32.143	3.111	0.0	0.0	0.0	0
11.40	9.0	0.26	2.87	0.0	0.0	34.615	2.889	0.0	0.0	0.0	0
11.42	9.0	0.25	2.84	0.0	0.0	36.0	2.778	0.0	0.0	0.0	0
11.44	8.0	0.24	2.83	0.0	0.0	33.333	3.0	0.0	0.0	0.0	0
11.46	8.0	0.2	2.87	0.0	0.0	40.0	2.5	0.0	0.0	0.0	0
11.48	8.0	0.18	2.93	0.0	0.0	44.444	2.25	0.0	0.0	0.0	0
11.50	8.0	0.17	2.95	0.0	0.0	47.059	2.125	0.0	0.0	0.0	0
11.52	8.0	0.16	2.97	0.0	0.0	50.0	2.0	0.0	0.0	0.0	0
11.54	8.0	0.16	3.03	0.0	0.0	50.0	2.0	0.0	0.0	0.0	0
11.56	8.0	0.15	3.10	0.0	0.0	53.333	1.875	0.0	0.0	0.0	0
11.58	8.0	0.14	3.12	0.0	0.0	57.143	1.75	0.0	0.0	0.0	0
11.60	8.0	0.14	3.15	0.0	0.0	57.143	1.75	0.0	0.0	0.0	0
11.62	8.0	0.15	3.18	0.0	0.0	53.333	1.875	0.0	0.0	0.0	0
11.64	8.0	0.16	3.22	0.0	0.0	50.0	2.0	0.0	0.0	0.0	0
11.66	9.0	0.16	3.26	0.0	0.0	56.25	1.778	0.0	0.0	0.0	0
11.68	9.0	0.17	3.29	0.0	0.0	52.941	1.889	0.0	0.0	0.0	0
11.70	9.0	0.18	3.30	0.0	0.0	50.0	2.0	0.0	0.0	0.0	0
11.72	9.0	0.2	3.31	0.0	0.0	45.0	2.222	0.0	0.0	0.0	0
11.74	9.0	0.2	3.31	0.0	0.0	45.0	2.222	0.0	0.0	0.0	0
11.76	9.0	0.2	3.34	0.0	0.0	45.0	2.222	0.0	0.0	0.0	0
11.78	9.0	0.21	3.37	0.0	0.0	42.857	2.333	0.0	0.0	0.0	0
11.80	10.0	0.26	3.65	0.0	0.0	38.462	2.6	0.0	0.0	0.0	0
11.82	10.0	0.27	3.64	0.0	0.0	37.037	2.7	0.0	0.0	0.0	0
11.84	9.0	0.27	3.65	0.0	0.0	33.333	3.0	0.0	0.0	0.0	0
11.86	9.0	0.27	3.67	0.0	0.0	33.333	3.0	0.0	0.0	0.0	0
11.88	10.0	0.26	3.71	0.0	0.0	38.462	2.6	0.0	0.0	0.0	0
11.90	10.0	0.25	3.72	0.0	0.0	40.0	2.5	0.0	0.0	0.0	0
11.92	10.0	0.25	3.75	0.0	0.0	40.0	2.5	0.0	0.0	0.0	0
11.94	10.0	0.25	3.77	0.0	0.0	40.0	2.5	0.0	0.0	0.0	0
11.96	10.0	0.24	3.79	0.0	0.0	41.667	2.4	0.0	0.0	0.0	0
11.98	11.0	0.25	3.82	0.0	0.0	44.0	2.273	0.0	0.0	0.0	0
12.00	11.0	0.25	3.91	0.0	0.0	44.0	2.273	0.0	0.0	0.0	0
12.02	12.0	0.26	3.94	0.0	0.0	46.154	2.167	0.0	0.0	0.0	0
12.04	12.0	0.28	3.91	0.0	0.0	42.857	2.333	0.0	0.0	0.0	0
12.06	12.0	0.31	3.91	0.0	0.0	38.71	2.583	0.0	0.0	0.0	0
12.08	12.0	0.34	3.94	0.0	0.0	35.294	2.833	0.0	0.0	0.0	0
12.10	12.0	0.38	3.94	0.0	0.0	31.579	3.167	0.0	0.0	0.0	0
12.12	13.0	0.41	3.95	0.0	0.0	31.707	3.154	0.0	0.0	0.0	0
12.14	13.0	0.45	3.94	0.0	0.0	28.889	3.462	0.0	0.0	0.0	0
12.16	13.0	0.5	3.94	0.0	0.0	26.0	3.846	0.0	0.0	0.0	0
12.18	13.0	0.52	3.94	0.0	0.0	25.0	4.0	0.0	0.0	0.0	0
12.20	13.0	0.56	4.02	0.0	0.0	23.214	4.308	0.0	0.0	0.0	0
12.22	14.0	0.56	4.03	0.0	0.0	25.0	4.0	0.0	0.0	0.0	0

12.24	14.0	0.58	4.02	0.0	0.0	24.138	4.143	0.0	0.0	0.0	0
12.26	14.0	0.6	3.99	0.0	0.0	23.333	4.286	0.0	0.0	0.0	0
12.28	14.0	0.62	3.98	0.0	0.0	22.581	4.429	0.0	0.0	0.0	0
12.30	13.0	0.64	3.94	0.0	0.0	20.313	4.923	0.0	0.0	0.0	0
12.32	13.0	0.64	3.88	0.0	0.0	20.313	4.923	0.0	0.0	0.0	0
12.34	13.0	0.64	3.86	0.0	0.0	20.313	4.923	0.0	0.0	0.0	0
12.36	13.0	0.64	3.83	0.0	0.0	20.313	4.923	0.0	0.0	0.0	0
12.38	12.0	0.64	3.82	0.0	0.0	18.75	5.333	0.0	0.0	0.0	0
12.40	12.0	0.61	3.82	0.0	0.0	19.672	5.083	0.0	0.0	0.0	0
12.42	12.0	0.58	3.84	0.0	0.0	20.69	4.833	0.0	0.0	0.0	0
12.44	13.0	0.55	3.87	0.0	0.0	23.636	4.231	0.0	0.0	0.0	0
12.46	13.0	0.53	3.92	0.0	0.0	24.528	4.077	0.0	0.0	0.0	0
12.48	14.0	0.51	3.96	0.0	0.0	27.451	3.643	0.0	0.0	0.0	0
12.50	14.0	0.5	3.99	0.0	0.0	28.0	3.571	0.0	0.0	0.0	0
12.52	15.0	0.51	4.01	0.0	0.0	29.412	3.4	0.0	0.0	0.0	0
12.54	15.0	0.53	4.20	0.0	0.0	28.302	3.533	0.0	0.0	0.0	0
12.56	15.0	0.57	4.18	0.0	0.0	26.316	3.8	0.0	0.0	0.0	0
12.58	15.0	0.63	4.17	0.0	0.0	23.81	4.2	0.0	0.0	0.0	0
12.60	16.0	0.67	4.15	0.0	0.0	23.881	4.188	0.0	0.0	0.0	0
12.62	15.0	0.73	4.13	0.0	0.0	20.548	4.867	0.0	0.0	0.0	0
12.64	15.0	0.78	4.10	0.0	0.0	19.231	5.2	0.0	0.0	0.0	0
12.66	15.0	0.79	4.09	0.0	0.0	18.987	5.267	0.0	0.0	0.0	0
12.68	14.0	0.8	4.15	0.0	0.0	17.5	5.714	0.0	0.0	0.0	0
12.70	15.0	0.76	3.95	0.0	0.0	19.737	5.067	0.0	0.0	0.0	0
12.72	14.0	0.75	3.88	0.0	0.0	18.667	5.357	0.0	0.0	0.0	0
12.74	14.0	0.75	3.86	0.0	0.0	18.667	5.357	0.0	0.0	0.0	0
12.76	14.0	0.67	3.77	0.0	0.0	20.896	4.786	0.0	0.0	0.0	0
12.78	14.0	0.72	4.28	0.0	0.0	19.444	5.143	0.0	0.0	0.0	0
12.80	14.0	0.74	4.25	0.0	0.0	18.919	5.286	0.0	0.0	0.0	0
12.82	14.0	0.74	4.25	0.0	0.0	18.919	5.286	0.0	0.0	0.0	0
12.84	14.0	0.71	4.22	0.0	0.0	19.718	5.071	0.0	0.0	0.0	0
12.86	14.0	0.69	4.17	0.0	0.0	20.29	4.929	0.0	0.0	0.0	0
12.88	14.0	0.7	4.15	0.0	0.0	20.0	5.0	0.0	0.0	0.0	0
12.90	15.0	0.7	4.14	0.0	0.0	21.429	4.667	0.0	0.0	0.0	0
12.92	15.0	0.7	4.11	0.0	0.0	21.429	4.667	0.0	0.0	0.0	0
12.94	15.0	0.69	4.06	0.0	0.0	21.739	4.6	0.0	0.0	0.0	0
12.96	15.0	0.7	4.03	0.0	0.0	21.429	4.667	0.0	0.0	0.0	0
12.98	15.0	0.71	4.03	0.0	0.0	21.127	4.733	0.0	0.0	0.0	0
13.00	15.0	0.69	4.01	0.0	0.0	21.739	4.6	0.0	0.0	0.0	0
13.02	15.0	0.67	3.91	0.0	0.0	22.388	4.467	0.0	0.0	0.0	0
13.04	15.0	0.68	3.79	0.0	0.0	22.059	4.533	0.0	0.0	0.0	0
13.06	14.0	0.7	3.73	0.0	0.0	20.0	5.0	0.0	0.0	0.0	0
13.08	14.0	0.71	3.71	0.0	0.0	19.718	5.071	0.0	0.0	0.0	0
13.10	14.0	0.7	3.69	0.0	0.0	20.0	5.0	0.0	0.0	0.0	0
13.12	13.0	0.69	3.69	0.0	0.0	18.841	5.308	0.0	0.0	0.0	0
13.14	13.0	0.69	3.73	0.0	0.0	18.841	5.308	0.0	0.0	0.0	0
13.16	13.0	0.65	3.76	0.0	0.0	20.0	5.0	0.0	0.0	0.0	0
13.18	14.0	0.62	3.94	0.0	0.0	22.581	4.429	0.0	0.0	0.0	0
13.20	14.0	0.57	3.94	0.0	0.0	24.561	4.071	0.0	0.0	0.0	0
13.22	14.0	0.54	3.95	0.0	0.0	25.926	3.857	0.0	0.0	0.0	0
13.24	14.0	0.51	3.99	0.0	0.0	27.451	3.643	0.0	0.0	0.0	0
13.26	14.0	0.5	4.01	0.0	0.0	28.0	3.571	0.0	0.0	0.0	0
13.28	13.0	0.48	3.98	0.0	0.0	27.083	3.692	0.0	0.0	0.0	0
13.30	13.0	0.48	3.95	0.0	0.0	27.083	3.692	0.0	0.0	0.0	0
13.32	13.0	0.48	3.94	0.0	0.0	27.083	3.692	0.0	0.0	0.0	0
13.34	13.0	0.49	3.95	0.0	0.0	26.531	3.769	0.0	0.0	0.0	0
13.36	13.0	0.48	3.99	0.0	0.0	27.083	3.692	0.0	0.0	0.0	0
13.38	13.0	0.46	4.01	0.0	0.0	28.261	3.538	0.0	0.0	0.0	0
13.40	13.0	0.47	3.96	0.0	0.0	27.66	3.615	0.0	0.0	0.0	0
13.42	13.0	0.48	3.99	0.0	0.0	27.083	3.692	0.0	0.0	0.0	0
13.44	13.0	0.47	3.98	0.0	0.0	27.66	3.615	0.0	0.0	0.0	0
13.46	13.0	0.48	3.96	0.0	0.0	27.083	3.692	0.0	0.0	0.0	0
13.48	13.0	0.46	3.96	0.0	0.0	28.261	3.538	0.0	0.0	0.0	0
13.50	13.0	0.46	3.95	0.0	0.0	28.261	3.538	0.0	0.0	0.0	0
13.52	13.0	0.5	3.91	0.0	0.0	26.0	3.846	0.0	0.0	0.0	0
13.54	13.0	0.52	3.90	0.0	0.0	25.0	4.0	0.0	0.0	0.0	0
13.56	13.0	0.5	3.92	0.0	0.0	26.0	3.846	0.0	0.0	0.0	0
13.58	13.0	0.48	3.99	0.0	0.0	27.083	3.692	0.0	0.0	0.0	0
13.60	13.0	0.46	4.03	0.0	0.0	28.261	3.538	0.0	0.0	0.0	0
13.62	13.0	0.46	4.05	0.0	0.0	28.261	3.538	0.0	0.0	0.0	0

13.64	12.0	0.45	4.06	0.0	0.0	26.667	3.75	0.0	0.0	0.0	0
13.66	12.0	0.4	4.05	0.0	0.0	30.0	3.333	0.0	0.0	0.0	0
13.68	12.0	0.39	4.02	0.0	0.0	30.769	3.25	0.0	0.0	0.0	0
13.70	12.0	0.41	4.02	0.0	0.0	29.268	3.417	0.0	0.0	0.0	0
13.72	12.0	0.44	4.03	0.0	0.0	27.273	3.667	0.0	0.0	0.0	0
13.74	12.0	0.48	4.39	0.0	0.0	25.0	4.0	0.0	0.0	0.0	0
13.76	12.0	0.49	4.37	0.0	0.0	24.49	4.083	0.0	0.0	0.0	0
13.78	12.0	0.52	4.34	0.0	0.0	23.077	4.333	0.0	0.0	0.0	0
13.80	12.0	0.53	4.32	0.0	0.0	22.642	4.417	0.0	0.0	0.0	0
13.82	12.0	0.56	4.29	0.0	0.0	21.429	4.667	0.0	0.0	0.0	0
13.84	12.0	0.6	4.26	0.0	0.0	20.0	5.0	0.0	0.0	0.0	0
13.86	12.0	0.63	4.28	0.0	0.0	19.048	5.25	0.0	0.0	0.0	0
13.88	12.0	0.65	4.29	0.0	0.0	18.462	5.417	0.0	0.0	0.0	0
13.90	12.0	0.67	4.30	0.0	0.0	17.91	5.583	0.0	0.0	0.0	0
13.92	12.0	0.68	4.32	0.0	0.0	17.647	5.667	0.0	0.0	0.0	0
13.94	13.0	0.68	4.32	0.0	0.0	19.118	5.231	0.0	0.0	0.0	0
13.96	13.0	0.68	4.32	0.0	0.0	19.118	5.231	0.0	0.0	0.0	0
13.98	14.0	0.71	4.33	0.0	0.0	19.718	5.071	0.0	0.0	0.0	0
14.00	14.0	0.74	4.34	0.0	0.0	18.919	5.286	0.0	0.0	0.0	0
14.02	15.0	0.77	4.36	0.0	0.0	19.481	5.133	0.0	0.0	0.0	0
14.04	15.0	0.81	4.28	0.0	0.0	18.519	5.4	0.0	0.0	0.0	0
14.06	15.0	0.87	4.26	0.0	0.0	17.241	5.8	0.0	0.0	0.0	0
14.08	15.0	0.93	4.25	0.0	0.0	16.129	6.2	0.0	0.0	0.0	0
14.10	15.0	0.93	4.21	0.0	0.0	16.129	6.2	0.0	0.0	0.0	0
14.12	15.0	0.93	4.17	0.0	0.0	16.129	6.2	0.0	0.0	0.0	0
14.14	15.0	0.92	4.10	0.0	0.0	16.304	6.133	0.0	0.0	0.0	0
14.16	16.0	0.95	4.05	0.0	0.0	16.842	5.938	0.0	0.0	0.0	0
14.18	16.0	0.96	3.99	0.0	0.0	16.667	6.0	0.0	0.0	0.0	0
14.20	16.0	0.96	3.94	0.0	0.0	16.667	6.0	0.0	0.0	0.0	0
14.22	16.0	0.96	3.86	0.0	0.0	16.667	6.0	0.0	0.0	0.0	0
14.24	16.0	0.96	3.76	0.0	0.0	16.667	6.0	0.0	0.0	0.0	0
14.26	15.0	0.93	3.73	0.0	0.0	16.129	6.2	0.0	0.0	0.0	0
14.28	16.0	0.87	3.65	0.0	0.0	18.391	5.438	0.0	0.0	0.0	0
14.30	16.0	0.86	3.60	0.0	0.0	18.605	5.375	0.0	0.0	0.0	0
14.32	15.0	0.85	3.63	0.0	0.0	17.647	5.667	0.0	0.0	0.0	0
14.34	16.0	0.81	3.58	0.0	0.0	19.753	5.063	0.0	0.0	0.0	0
14.36	15.0	0.81	3.44	0.0	0.0	18.519	5.4	0.0	0.0	0.0	0
14.38	15.0	0.81	3.38	0.0	0.0	18.519	5.4	0.0	0.0	0.0	0
14.40	14.0	0.81	3.42	0.0	0.0	17.284	5.786	0.0	0.0	0.0	0
14.42	14.0	0.81	3.42	0.0	0.0	17.284	5.786	0.0	0.0	0.0	0
14.44	15.0	0.77	3.52	0.0	0.0	19.481	5.133	0.0	0.0	0.0	0
14.46	16.0	0.73	3.60	0.0	0.0	21.918	4.563	0.0	0.0	0.0	0
14.48	17.0	0.73	3.64	0.0	0.0	23.288	4.294	0.0	0.0	0.0	0
14.50	17.0	0.73	3.63	0.0	0.0	23.288	4.294	0.0	0.0	0.0	0
14.52	18.0	0.78	3.61	0.0	0.0	23.077	4.333	0.0	0.0	0.0	0
14.54	18.0	0.84	3.58	0.0	0.0	21.429	4.667	0.0	0.0	0.0	0
14.56	17.0	0.88	3.52	0.0	0.0	19.318	5.176	0.0	0.0	0.0	0
14.58	17.0	0.95	3.50	0.0	0.0	17.895	5.588	0.0	0.0	0.0	0
14.60	17.0	1.0	3.46	0.0	0.0	17.0	5.882	0.0	0.0	0.0	0
14.62	16.0	1.02	3.38	0.0	0.0	15.686	6.375	0.0	0.0	0.0	0
14.64	16.0	1.03	3.37	0.0	0.0	15.534	6.438	0.0	0.0	0.0	0
14.66	16.0	0.96	3.38	0.0	0.0	16.667	6.0	0.0	0.0	0.0	0
14.68	16.0	0.95	3.42	0.0	0.0	16.842	5.938	0.0	0.0	0.0	0
14.70	17.0	0.92	3.46	0.0	0.0	18.478	5.412	0.0	0.0	0.0	0
14.72	18.0	0.96	3.68	0.0	0.0	18.75	5.333	0.0	0.0	0.0	0
14.74	18.0	0.98	3.64	0.0	0.0	18.367	5.444	0.0	0.0	0.0	0
14.76	18.0	1.03	3.60	0.0	0.0	17.476	5.722	0.0	0.0	0.0	0
14.78	19.0	1.07	3.57	0.0	0.0	17.757	5.632	0.0	0.0	0.0	0
14.80	19.0	1.12	3.53	0.0	0.0	16.964	5.895	0.0	0.0	0.0	0
14.82	19.0	1.15	3.50	0.0	0.0	16.522	6.053	0.0	0.0	0.0	0
14.84	19.0	1.16	3.48	0.0	0.0	16.379	6.105	0.0	0.0	0.0	0
14.86	19.0	1.17	3.45	0.0	0.0	16.239	6.158	0.0	0.0	0.0	0
14.88	19.0	1.18	3.42	0.0	0.0	16.102	6.211	0.0	0.0	0.0	0
14.90	19.0	1.16	3.38	0.0	0.0	16.379	6.105	0.0	0.0	0.0	0
14.92	18.0	1.12	3.30	0.0	0.0	16.071	6.222	0.0	0.0	0.0	0
14.94	17.0	1.1	3.25	0.0	0.0	15.455	6.471	0.0	0.0	0.0	0
14.96	16.0	1.11	3.19	0.0	0.0	14.414	6.938	0.0	0.0	0.0	0
14.98	16.0	1.12	3.37	0.0	0.0	14.286	7.0	0.0	0.0	0.0	0
15.00	16.0	1.07	3.76	0.0	0.0	14.953	6.688	0.0	0.0	0.0	0

NATURA LITOLOGICA (Robertson 1986)

Profondità (m)	Litologia: Robertson 1986
0.02	Stima non eseguibile
0.04	Stima non eseguibile
0.06	Limi sabbiosi e Limi argillosi
0.08	Sabbie - Sabbie limose
0.10	Sabbie - Sabbie limose
0.12	Sabbie - Sabbie limose
0.14	Sabbie limose - Limi argillosi
0.16	Sabbie limose - Limi argillosi
0.18	Limi sabbiosi e Limi argillosi
0.20	Limi sabbiosi e Limi argillosi
0.22	Limi argillosi e Argille limose
0.24	Limi argillosi e Argille limose
0.26	Limi argillosi e Argille limose
0.28	Argille limose - Argille
0.30	Argille
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0.44	Argille limose - Argille
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0.54	Argille limose - Argille
0.56	Argille limose - Argille
0.58	Argille limose - Argille
0.60	Argille limose - Argille
0.62	Argille limose - Argille
0.64	Argille limose - Argille
0.66	Limi argillosi e Argille limose
0.68	Limi argillosi e Argille limose
0.70	Limi argillosi e Argille limose
0.72	Limi sabbiosi e Limi argillosi
0.74	Limi sabbiosi e Limi argillosi
0.76	Limi sabbiosi e Limi argillosi
0.78	Limi sabbiosi e Limi argillosi
0.80	Limi sabbiosi e Limi argillosi
0.82	Limi sabbiosi e Limi argillosi
0.84	Limi sabbiosi e Limi argillosi
0.86	Limi argillosi e Argille limose
0.88	Limi argillosi e Argille limose
0.90	Argille limose - Argille
0.92	Argille
0.94	Argille
0.96	Argille
0.98	Argille
1.00	Limi argillosi e Argille limose
1.02	Limi argillosi e Argille limose
1.04	Limi sabbiosi e Limi argillosi
1.06	Limi sabbiosi e Limi argillosi
1.08	Limi sabbiosi e Limi argillosi
1.10	Limi sabbiosi e Limi argillosi
1.12	Sabbie limose - Limi argillosi
1.14	Sabbie limose - Limi argillosi
1.16	Sabbie - Sabbie limose
1.18	Sabbie - Sabbie limose
1.20	Sabbie - Sabbie limose
1.22	Sabbie - Sabbie limose
1.24	Sabbie - Sabbie limose
1.26	Sabbie - Sabbie limose
1.28	Sabbie limose - Limi argillosi
1.30	Sabbie limose - Limi argillosi
1.32	Sabbie limose - Limi argillosi
1.34	Limi sabbiosi e Limi argillosi

1.36	Limi argillosi e Argille limose
1.38	Limi argillosi e Argille limose
1.40	Limi argillosi e Argille limose
1.42	Argille limose - Argille
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5.26	Limi argillosi e Argille limose
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6.96	Argille limose - Argille
6.98	Argille limose - Argille
7.00	Argille limose - Argille
7.02	Limi argillosi e Argille limose
7.04	Argille limose - Argille
7.06	Limi argillosi e Argille limose
7.08	Limi argillosi e Argille limose
7.10	Limi argillosi e Argille limose
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7.42	Argille limose - Argille
7.44	Limi argillosi e Argille limose
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8.34	Limi sabbiosi e Limi argillosi

8.36	Limi argillosi e Argille limose
8.38	Limi sabbiosi e Limi argillosi
8.40	Limi sabbiosi e Limi argillosi
8.42	Limi argillosi e Argille limose
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STIMA PARAMETRI GEOTECNICI

Nr:	Numero progressivo strato
Prof:	Profondità strato (m)
Tipo:	C: Coesivo. I: Incoerente. CI: Coesivo-Incoerente
Cu:	Coesione non drenata (Kg/cm ²)
Eu:	Modulo di defomazione non drenato (Kg/cm ²)
Mo:	Modulo Edometrico (Kg/cm ²)
G:	Modulo di deformazione a taglio (Kg/cm ²)
OCR:	Grado di sovraconsolidazione
Puv:	Peso unità di volume (t/m ³)
PuvS:	Peso unità di volume saturo (t/m ³)
Dr:	Densità relativa (%)
Fi:	Angolo di resistenza al taglio (°)

Ey:		Modulo di Young (Kg/cm ²)											Vs
Vs:		Velocità onde di taglio (m/s)											
Nr.	Prof.	Tipo	Cu	Eu	Mo	G	OCR	Puv	PuvS	Dr	Fi	Ey	
1	0.04												
2	0.06	CI	0.8	562.4	48.4	146.5	<0.5	1.9	2.0	100.0	45.0	37.5	110.70
3	0.16	I	--	--	80.4	318.9	<0.5	1.9	2.2	100.0	45.0	134.0	195.93
4	0.26	CI	1.2	861.2	46.0	190.2	<0.5	2.0	2.1	100.0	42.0	57.5	177.00
5	0.64	C	0.7	502.2	48.1	137.2	>9	1.9	2.0	--	--	--	154.31
6	0.88	C	1.6	1191.5	63.8	232.3	>9	2.1	2.1	--	--	--	197.20
7	0.98	C	1.1	810.8	43.6	184.1	>9	2.0	2.1	--	--	--	190.35
8	1.10	C	2.2	1673.7	89.7	285.9	>9	2.1	2.2	--	--	--	221.04
9	1.32	CI	3.7	2783.1	148.9	389.8	0.6	2.2	2.3	96.4	38.3	186.1	302.01
10	1.40	CI	1.7	1274.2	68.5	242.6	1.1	2.1	2.1	66.6	33.8	85.6	252.53
11	5.24	C	0.8	599.2	47.6	155.8	>9	1.9	2.0	--	--	--	220.88
12	5.32	C	0.7	485.1	48.2	138.9	3.2	1.9	2.0	--	--	--	223.04
13	5.42	C	0.6	411.6	46.6	126.5	4.2	1.9	2.0	--	--	--	217.31
14	5.46	C	0.9	606.4	47.2	158.1	4.0	1.9	2.0	--	--	--	232.46
15	5.68	C	0.7	473.0	48.1	137.1	4.6	1.9	2.0	--	--	--	223.37
16	5.76	C	0.9	633.5	46.3	162.3	3.8	1.9	2.0	--	--	--	235.50
17	5.80	C	0.7	473.9	48.1	137.3	3.7	1.9	2.0	--	--	--	224.35
18	5.82	C	0.7	492.5	48.3	140.4	3.3	1.9	2.0	--	--	--	225.94
19	6.74	C	0.7	526.7	48.4	146.2	5.0	1.9	2.0	--	--	--	230.59
20	6.78	C	1.1	770.2	43.0	182.5	4.4	2.0	2.1	--	--	--	248.27
21	7.00	C	0.6	423.7	47.1	129.6	3.9	1.9	2.0	--	--	--	224.79
22	7.02	C	0.7	450.5	47.8	134.2	2.6	1.9	2.0	--	--	--	227.59
23	7.04	C	0.7	450.5	47.8	134.2	2.6	1.9	2.0	--	--	--	227.65
24	7.18	C	0.9	605.6	47.0	158.9	3.0	1.9	2.0	--	--	--	239.62
25	7.42	C	0.7	468.3	48.1	137.3	4.8	1.9	2.0	--	--	--	230.15
26	7.50	C	0.7	486.4	48.3	140.4	2.4	1.9	2.0	--	--	--	232.23
27	7.78	C	0.5	338.5	43.7	114.8	2.3	1.8	1.9	--	--	--	219.34
28	8.04	C	0.8	548.4	48.2	150.6	2.7	1.9	2.0	--	--	--	238.54
29	8.14	C	0.7	474.9	48.2	138.9	3.5	1.9	2.0	--	--	--	233.48
30	8.20	C	0.7	493.4	48.4	142.0	2.8	1.9	2.0	--	--	--	235.26
31	8.22	C	0.7	483.9	48.3	140.4	2.9	1.9	2.0	--	--	--	234.63
32	8.42	C	1.0	704.7	42.2	174.1	2.8	2.0	2.0	--	--	--	250.45
33	8.54	C	0.7	470.4	48.2	138.4	3.4	1.9	2.0	--	--	--	234.52
34	8.66	C	0.9	607.4	46.8	160.0	2.4	1.9	2.0	--	--	--	245.22
35	9.24	C	0.5	335.1	43.8	115.0	2.0	1.8	1.9	--	--	--	223.37
36	9.28	C	0.5	330.2	43.5	114.3	1.3	1.8	1.9	--	--	--	223.79
37	9.48	C	0.5	307.3	42.2	110.1	1.7	1.8	1.9	--	--	--	221.61
38	9.50	C	0.6	366.9	45.4	121.2	1.3	1.9	1.9	--	--	--	228.30
39	9.92	C	0.3	162.6	29.8	80.0	0.9	1.7	1.8	--	--	--	202.37
40	10.00	C	0.5	299.7	41.8	109.0	0.9	1.8	1.9	--	--	--	222.45
41	10.78	C	0.5	344.7	44.5	117.7	1.9	1.8	1.9	--	--	--	228.66
42	10.82	C	0.8	550.1	48.0	152.4	2.3	1.9	2.0	--	--	--	247.94
43	11.02	C	0.5	354.6	45.1	119.8	1.7	1.8	1.9	--	--	--	231.21
44	11.06	C	0.5	324.2	43.5	114.3	1.1	1.8	1.9	--	--	--	228.30
45	11.10	C	0.5	324.1	43.5	114.3	1.3	1.8	1.9	--	--	--	228.38
46	11.12	C	0.6	361.5	45.4	121.2	1.2	1.9	1.9	--	--	--	232.42
47	11.54	C	0.4	276.9	40.6	105.5	1.2	1.8	1.9	--	--	--	223.51
48	11.62	C	0.4	247.6	38.4	99.8	0.7	1.8	1.9	--	--	--	220.36
49	11.64	C	0.4	247.5	38.4	99.8	0.8	1.8	1.9	--	--	--	220.47
50	11.70	C	0.5	284.9	41.2	107.2	0.8	1.8	1.9	--	--	--	225.30
51	11.96	C	0.5	304.5	42.5	111.1	1.1	1.8	1.9	--	--	--	228.01
52	12.06	C	0.6	381.3	46.3	125.2	1.3	1.9	1.9	--	--	--	236.62
53	15.00	C	0.7	483.0	48.4	143.2	3.1	1.9	2.0	--	--	--	250.25

Indice

1.PROVA ...CPTU N°6	8
2.PROVA ... CPTU N°1	32
3.PROVA ... CPTU N°2	56
4.PROVA ... CPTU N°3	80
5.PROVA ... CPTU N°4	104
6.PROVA ... CPTU N°7	128
7.PROVA ...CPTU N°8	152
8.PROVA ...CPTU N°9	176
9.PROVA ...CPTU N°10	201
10.PROVA ...CPTU N°5	224
Indice	250