

Supplementary Materials

Predicting Ultra-High-Performance Concrete Compressive Strength Using Tabular Generative Adversarial Networks

Afshin Marani ¹, Armin Jamali ² and Moncef L. Nehdi ^{1,*}

¹ Department of Civil and Environmental Engineering, Western University, London, Ontario, Canada, N6A 5B9; amarani@uwo.ca

² Department of Civil Engineering, K.N. Toosi University of Technology, Tehran, Iran, 1969764499; armin.jamali69@gmail.com

* Correspondence: mnehdi@uwo.ca ; Tel: (519) 661-2111 Ext. 88308; Fax: (51) 661-3779

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The original UHPC dataset used for developing machine learning models is presented herein. The dataset incorporates 911 data examples of mixture proportions, along with 16 data attributes. **Table S1** presents the input variables of the dataset as well as their designation and units. **Table S2** reports the final dataset used in the original article.

Table S1. Variables considered in final dataset extracted from literature.

Variable	Designation	Unit	Variable	Designation	Unit
Cement	C	kg/m ³	Fine aggregate	Sand	kg/m ³
Silica fume	SF	kg/m ³	Coarse aggregate	Gravel	kg/m ³
Slag	S	kg/m ³	Fiber	Fi	kg/m ³
Fly ash	FA	kg/m ³	Superplasticizer	SP	kg/m ³
Quartz powder	QP	kg/m ³	Temperature	T	°C
Limestone powder	LP	kg/m ³	Relative humidity	RH	%
Nano silica	NS	kg/m ³	Age	Age	days
Water	W	kg/m ³	Compressive strength	f'_c	MPa

Table S2. Final dataset used for machine learning modeling.

Index	C	S	SF	LP	QP	FA	NS	W	Sand	Gravel	Fi	SP	RH	T	Age	f'_c
0	450	0	50	0	0	0	0	90	797	1195	0	18.00	95	20	28	131
1	630	0	70	0	0	0	0	126	715	1073	0	18.00	95	20	28	135
2	810	0	90	0	0	0	0	162	616	923	0	18.00	95	20	28	137
3	810	0	90	0	0	0	0	162	616	923	0	18.00	95	20	28	137
6	630	180	90	0	0	0	0	126	616	923	0	18.00	95	20	28	150
7	630	180	90	0	0	0	0	144	616	923	0	18.00	95	20	28	142
9	630	180	90	0	0	0	0	144	616	923	0	18.00	95	20	28	142
10	450	180	90	180	0	0	0	144	616	923	0	18.00	95	20	28	150
11	270	180	90	360	0	0	0	144	616	923	0	18.00	95	20	28	130
12	450	0	50	0	0	0	0	90	797	1195	0	18.00	95	20	56	139
13	630	0	70	0	0	0	0	126	715	1073	0	18.00	95	20	56	146
14	810	0	90	0	0	0	0	162	616	923	0	18.00	95	20	56	150
15	810	0	90	0	0	0	0	162	616	923	0	18.00	95	20	56	150
16	630	180	90	0	0	0	0	162	616	923	0	18.00	95	20	56	141
17	450	360	90	0	0	0	0	162	616	923	0	18.00	95	20	56	133
18	630	180	90	0	0	0	0	126	616	923	0	18.00	95	20	56	159
19	630	180	90	0	0	0	0	144	616	923	0	18.00	95	20	56	160
20	630	180	90	0	0	0	0	162	616	923	0	18.00	95	20	56	141
21	630	180	90	0	0	0	0	144	616	923	0	18.00	95	20	56	160
22	450	180	90	180	0	0	0	144	616	923	0	18.00	95	20	56	161

23	270	180	90	360	0	0	0	144	616	923	0	18.00	95	20	56	139
24	450	0	50	0	0	0	0	90	797	1195	0	18.00	95	20	90	151
25	630	0	70	0	0	0	0	126	715	1073	0	18.00	95	20	90	160
26	810	0	90	0	0	0	0	162	616	923	0	18.00	95	20	90	170
27	810	0	90	0	0	0	0	162	616	923	0	18.00	95	20	90	170
28	630	180	90	0	0	0	0	162	616	923	0	18.00	95	20	90	169
30	630	180	90	0	0	0	0	126	616	923	0	18.00	95	20	90	168
31	630	180	90	0	0	0	0	144	616	923	0	18.00	95	20	90	172
32	630	180	90	0	0	0	0	162	616	923	0	18.00	95	20	90	169
33	630	180	90	0	0	0	0	144	616	923	0	18.00	95	20	90	172
34	450	180	90	180	0	0	0	144	616	923	0	18.00	95	20	90	176
35	270	180	90	360	0	0	0	144	616	923	0	18.00	95	20	90	150
36	450	0	50	0	0	0	0	90	797	1195	0	18.00	95	20	180	159
37	630	0	70	0	0	0	0	126	715	1073	0	18.00	95	20	180	167
38	810	0	90	0	0	0	0	162	616	923	0	18.00	95	20	180	174
39	810	0	90	0	0	0	0	162	616	923	0	18.00	95	20	180	174
40	630	180	90	0	0	0	0	162	616	923	0	18.00	95	20	180	170
42	630	180	90	0	0	0	0	126	616	923	0	18.00	95	20	180	168
43	630	180	90	0	0	0	0	144	616	923	0	18.00	95	20	180	175
44	630	180	90	0	0	0	0	162	616	923	0	18.00	95	20	180	170
45	630	180	90	0	0	0	0	144	616	923	0	18.00	95	20	180	175
46	450	180	90	180	0	0	0	144	616	923	0	18.00	95	20	180	179
47	270	180	90	360	0	0	0	144	616	923	0	18.00	95	20	180	160
48	450	0	50	0	0	0	0	90	797	1195	0	18.00	95	20	365	161
49	630	0	70	0	0	0	0	126	715	1073	0	18.00	95	20	365	169
50	810	0	90	0	0	0	0	162	616	923	0	18.00	95	20	365	177
51	810	0	90	0	0	0	0	162	616	923	0	18.00	95	20	365	177
52	630	180	90	0	0	0	0	162	616	923	0	18.00	95	20	365	174
54	630	180	90	0	0	0	0	126	616	923	0	18.00	95	20	365	168
55	630	180	90	0	0	0	0	144	616	923	0	18.00	95	20	365	178
56	630	180	90	0	0	0	0	162	616	923	0	18.00	95	20	365	174
57	630	180	90	0	0	0	0	144	616	923	0	18.00	95	20	365	178
58	450	180	90	180	0	0	0	144	616	923	0	18.00	95	20	365	183
59	270	180	90	360	0	0	0	144	616	923	0	18.00	95	20	365	164
60	874.9	0	43.7	0	0	0	0	202.1	1273.4	0	0	45.90	100	21	7	85.91
61	612.4	0	43.7	262.5	0	0	0	202.1	1273.4	0	0	45.90	100	21	7	78.52
62	699.9	0	43.7	0	175	0	0	202.1	1273.4	0	0	45.90	100	21	7	85.91
63	874.9	0	43.7	0	0	0	0	202.1	1273.4	0	39	45.90	100	21	7	106.71
64	612.4	0	43.7	262.5	0	0	0	202.1	1273.4	0	39	45.90	100	21	7	89.93
65	699.9	0	43.7	0	175	0	0	202.1	1273.4	0	39	45.90	100	21	7	99.33
66	874.9	0	43.7	0	0	0	0	202.1	1273.4	0	78	45.90	100	21	7	108.73
67	612.4	0	43.7	262.5	0	0	0	202.1	1273.4	0	78	45.90	100	21	7	92.62
68	699.9	0	43.7	0	175	0	0	202.1	1273.4	0	78	45.90	100	21	7	102.01
69	874.9	0	43.7	0	0	0	0	202.1	1273.4	0	117	45.90	100	21	7	110.74
70	612.4	0	43.7	262.5	0	0	0	202.1	1273.4	0	117	45.90	100	21	7	100
71	699.9	0	43.7	0	175	0	0	202.1	1273.4	0	117	45.90	100	21	7	108.73
72	874.9	0	43.7	0	0	0	0	202.1	1273.4	0	156	45.90	100	21	7	120.81
73	612.4	0	43.7	262.5	0	0	0	202.1	1273.4	0	156	45.90	100	21	7	105.37
74	699.9	0	43.7	0	175	0	0	202.1	1273.4	0	156	45.90	100	21	7	114.77
76	612.4	0	43.7	262.5	0	0	0	202.1	1273.4	0	195	45.90	100	21	7	114.09
77	699.9	0	43.7	0	175	0	0	202.1	1273.4	0	195	45.90	100	21	7	122.82
78	874.9	0	43.7	0	0	0	0	202.1	1273.4	0	0	45.90	100	21	28	100.67
79	612.4	0	43.7	262.5	0	0	0	202.1	1273.4	0	0	45.90	100	21	28	88.59
81	874.9	0	43.7	0	0	0	0	202.1	1273.4	0	39	45.90	100	21	28	115.44
82	612.4	0	43.7	262.5	0	0	0	202.1	1273.4	0	39	45.90	100	21	28	100.67
83	699.9	0	43.7	0	175	0	0	202.1	1273.4	0	39	45.90	100	21	28	106.71
84	874.9	0	43.7	0	0	0	0	202.1	1273.4	0	78	45.90	100	21	28	124.83
85	612.4	0	43.7	262.5	0	0	0	202.1	1273.4	0	78	45.90	100	21	28	114.09
86	699.9	0	43.7	0	175	0	0	202.1	1273.4	0	78	45.90	100	21	28	120.81
87	874.9	0	43.7	0	0	0	0	202.1	1273.4	0	117	45.90	100	21	28	132.22
88	612.4	0	43.7	262.5	0	0	0	202.1	1273.4	0	117	45.90	100	21	28	126.17
89	699.9	0	43.7	0	175	0	0	202.1	1273.4	0	117	45.90	100	21	28	130.2
90	874.9	0	43.7	0	0	0	0	202.1	1273.4	0	156	45.90	100	21	28	146.31

91	612.4	0	43.7	262.5	0	0	0	202.1	1273.4	0	156	45.90	100	21	28	134.23
92	699.9	0	43.7	0	175	0	0	202.1	1273.4	0	156	45.90	100	21	28	139.6
93	874.9	0	43.7	0	0	0	0	202.1	1273.4	0	195	45.90	100	21	28	155.71
94	612.4	0	43.7	262.5	0	0	0	202.1	1273.4	0	195	45.90	100	21	28	141.61
95	699.9	0	43.7	0	175	0	0	202.1	1273.4	0	195	45.90	100	21	28	148.32
96	729	0	124	0	397	0	0	170	833	0	156	30.00	100	23	28	166.1
97	401	0	124	0	397	328	0	170	833	0	156	30.00	100	23	28	124.7
98	401	328	124	0	397	0	0	170	833	0	156	30.00	100	23	28	139.4
100	439.5	0	0	263.7	175.9	0	0	175.8	1273.4	0	0	43.90	100	21	3	49.61
101	435.1	0	0	263.7	175.9	0	4.4	175.8	1273.4	0	0	43.90	100	21	3	50.87
102	430.7	0	0	263.7	175.9	0	8.8	175.8	1273.4	0	0	43.90	100	21	3	54.96
103	426.3	0	0	263.7	175.9	0	13.2	175.8	1273.4	0	0	43.90	100	21	3	56.85
104	421.9	0	0	263.7	175.9	0	17.6	175.8	1273.4	0	0	43.90	100	21	3	57.17
105	417.5	0	0	263.7	175.9	0	22	175.8	1273.4	0	0	43.90	100	21	3	55.91
107	435.1	0	0	263.7	175.9	0	4.4	175.8	1273.4	0	195	43.90	100	21	3	70.35
108	430.7	0	0	263.7	175.9	0	8.8	175.8	1273.4	0	195	43.90	100	21	3	72.84
109	426.3	0	0	263.7	175.9	0	13.2	175.8	1273.4	0	195	43.90	100	21	3	78.44
110	421.9	0	0	263.7	175.9	0	17.6	175.8	1273.4	0	195	43.90	100	21	3	79.69
111	417.5	0	0	263.7	175.9	0	22	175.8	1273.4	0	195	43.90	100	21	3	77.82
114	430.7	0	0	263.7	175.9	0	8.8	175.8	1273.4	0	0	43.90	100	21	7	65.98
115	426.3	0	0	263.7	175.9	0	13.2	175.8	1273.4	0	0	43.90	100	21	7	68.82
116	421.9	0	0	263.7	175.9	0	17.6	175.8	1273.4	0	0	43.90	100	21	7	69.13
117	417.5	0	0	263.7	175.9	0	22	175.8	1273.4	0	0	43.90	100	21	7	65.35
118	439.5	0	0	263.7	175.9	0	0	175.8	1273.4	0	195	43.90	100	21	7	90.89
119	435.1	0	0	263.7	175.9	0	4.4	175.8	1273.4	0	195	43.90	100	21	7	94.63
120	430.7	0	0	263.7	175.9	0	8.8	175.8	1273.4	0	195	43.90	100	21	7	96.5
121	426.3	0	0	263.7	175.9	0	13.2	175.8	1273.4	0	195	43.90	100	21	7	100.86
122	421.9	0	0	263.7	175.9	0	17.6	175.8	1273.4	0	195	43.90	100	21	7	103.35
123	417.5	0	0	263.7	175.9	0	22	175.8	1273.4	0	195	43.90	100	21	7	98.99
125	435.1	0	0	263.7	175.9	0	4.4	175.8	1273.4	0	0	43.90	100	21	28	77.01
126	430.7	0	0	263.7	175.9	0	8.8	175.8	1273.4	0	0	43.90	100	21	28	81.1
127	426.3	0	0	263.7	175.9	0	13.2	175.8	1273.4	0	0	43.90	100	21	28	88.66
128	421.9	0	0	263.7	175.9	0	17.6	175.8	1273.4	0	0	43.90	100	21	28	91.18
129	417.5	0	0	263.7	175.9	0	22	175.8	1273.4	0	0	43.90	100	21	28	86.46
130	439.5	0	0	263.7	175.9	0	0	175.8	1273.4	0	195	43.90	100	21	28	113.93
131	435.1	0	0	263.7	175.9	0	4.4	175.8	1273.4	0	195	43.90	100	21	28	120.16
132	430.7	0	0	263.7	175.9	0	8.8	175.8	1273.4	0	195	43.90	100	21	28	126.38
136	594.2	0	0	265.3	0	0	24.8	176.9	1282.3	0	0	44.20	100	21	28	98.89
137	594.2	0	0	265.3	0	0	24.8	176.9	1282.3	0	156	44.20	100	21	28	139.44
138	594.2	0	0	265.3	0	0	24.8	176.9	1282.3	0	156	44.20	100	21	28	141.67
139	594.2	0	0	265.3	0	0	24.8	176.9	1282.3	0	156	44.20	100	21	28	129.44
140	594.2	0	0	265.3	0	0	24.8	176.9	1282.3	0	156	44.20	100	21	28	124.44
141	594.2	0	0	265.3	0	0	24.8	176.9	1282.3	0	156	44.20	100	21	28	120.56
142	594.2	0	0	265.3	0	0	24.8	176.9	1282.3	0	156	44.20	100	21	28	129.01
143	594.2	0	0	265.3	0	0	24.8	176.9	1282.3	0	156	44.20	100	21	28	132.96
144	594.2	0	0	265.3	0	0	24.8	176.9	1282.3	0	156	44.20	100	21	28	129.58
145	594.2	0	0	265.3	0	0	24.8	176.9	1282.3	0	156	44.20	100	21	28	136.34
146	594.2	0	0	265.3	0	0	24.8	176.9	1282.3	0	0	44.20	100	21	7	86.11
147	594.2	0	0	265.3	0	0	24.8	176.9	1282.3	0	156	44.20	100	21	7	113.89
148	594.2	0	0	265.3	0	0	24.8	176.9	1282.3	0	156	44.20	100	21	7	117.22
149	594.2	0	0	265.3	0	0	24.8	176.9	1282.3	0	156	44.20	100	21	7	114.44
150	594.2	0	0	265.3	0	0	24.8	176.9	1282.3	0	156	44.20	100	21	7	112.22
151	594.2	0	0	265.3	0	0	24.8	176.9	1282.3	0	156	44.20	100	21	7	111.11
153	753	0	188	0	0	183	0	180.72	1129	0	0	27.00	100	20	28	166
154	745	0	186	0	0	181	0	171.35	1118	0	0	27.00	100	20	28	162
156	778	0	194	0	0	189	0	178.94	0	1167	0	28.00	100	20	28	181
157	758	0	190	0	0	184	0	166.76	0	1138	0	27.00	100	20	28	155
158	745	0	186	0	0	181	0	171.35	0	1118	0	27.00	100	20	28	159
159	890	0	0	0	0	0	0	178	1231	0	0	30.20	100	21	1	59
160	890	0	0	0	0	0	0	178	1231	0	0	30.20	100	21	1	70.7
161	845.5	0	44.5	0	0	0	0	178	1231	0	0	30.20	100	21	1	73.2
162	801	0	89	0	0	0	0	178	1231	0	0	30.20	100	21	1	75.7
163	756.5	0	133.5	0	0	0	0	178	1231	0	0	30.20	100	21	1	70.5

164	712	0	178	0	0	0	0	178	1231	0	0	30.20	100	21	1	62.1
165	845.5	0	44.5	0	0	0	0	178	1231	0	0	30.20	100	21	1	77.8
166	712	0	0	0	0	178	0	178	1231	0	0	30.20	100	21	1	53.7
169	667.5	0	44.5	0	0	178	0	178	1231	0	0	30.20	100	21	1	52.8
170	1009	0	0	0	0	0	0	201.8	1231	0	0	34.20	100	21	1	72.8
171	1009	0	0	0	0	0	0	201.8	1231	0	0	34.20	100	21	1	73.2
172	958.55	0	50.45	0	0	0	0	201.8	1231	0	0	34.20	100	21	1	80.1
173	756.75	0	50.45	0	0	201.8	0	201.8	1231	0	0	34.20	100	21	1	53.1
174	890	0	0	0	0	0	0	178	1231	0	0	30.20	100	21	7	95.7
175	890	0	0	0	0	0	0	178	1231	0	0	30.20	100	21	7	97.4
176	845.5	0	44.5	0	0	0	0	178	1231	0	0	30.20	100	21	7	105.7
177	801	0	89	0	0	0	0	178	1231	0	0	30.20	100	21	7	102.6
178	756.5	0	133.5	0	0	0	0	178	1231	0	0	30.20	100	21	7	96.8
179	712	0	178	0	0	0	0	178	1231	0	0	30.20	100	21	7	95.9
180	845.5	0	44.5	0	0	0	0	178	1231	0	0	30.20	100	21	7	106.1
181	712	0	0	0	0	178	0	178	1231	0	0	30.20	100	21	7	99.2
182	623	0	0	0	0	267	0	178	1231	0	0	30.20	100	21	7	101.2
183	534	0	0	0	0	356	0	178	1231	0	0	30.20	100	21	7	75.8
184	667.5	0	44.5	0	0	178	0	178	1231	0	0	30.20	100	21	7	92.8
185	1009	0	0	0	0	0	0	201.8	1231	0	0	34.20	100	21	7	102.8
186	1009	0	0	0	0	0	0	201.8	1231	0	0	34.20	100	21	7	102.3
187	958.55	0	50.45	0	0	0	0	201.8	1231	0	0	34.20	100	21	7	102.8
188	756.75	0	50.45	0	0	201.8	0	201.8	1231	0	0	34.20	100	21	7	101.5
189	890	0	0	0	0	0	0	178	1231	0	0	30.20	100	21	28	106.3
190	890	0	0	0	0	0	0	178	1231	0	0	30.20	100	21	28	113.2
191	845.5	0	44.5	0	0	0	0	178	1231	0	0	30.20	100	21	28	117.2
192	801	0	89	0	0	0	0	178	1231	0	0	30.20	100	21	28	118.6
193	756.5	0	133.5	0	0	0	0	178	1231	0	0	30.20	100	21	28	118
194	712	0	178	0	0	0	0	178	1231	0	0	30.20	100	21	28	111
195	845.5	0	44.5	0	0	0	0	178	1231	0	0	30.20	100	21	28	116.6
196	712	0	0	0	0	178	0	178	1231	0	0	30.20	100	21	28	109.9
197	623	0	0	0	0	267	0	178	1231	0	0	30.20	100	21	28	114.8
198	534	0	0	0	0	356	0	178	1231	0	0	30.20	100	21	28	102.6
199	667.5	0	44.5	0	0	178	0	178	1231	0	0	30.20	100	21	28	112.8
200	1009	0	0	0	0	0	0	201.8	1231	0	0	34.20	100	21	28	113.8
201	1009	0	0	0	0	0	0	201.8	1231	0	0	34.20	100	21	28	115.2
202	958.55	0	50.45	0	0	0	0	201.8	1231	0	0	34.20	100	21	28	115.4
203	756.75	0	50.45	0	0	201.8	0	201.8	1231	0	0	34.20	100	21	28	114.5
205	1151.11	0	211.89	0	0	0	0	272.6	1231	0	0	46.20	100	90	28	159.7
206	1151.11	0	211.89	0	0	0	0	272.6	1231	0	0	46.20	100	90	28	165.8
207	1151.11	0	211.89	0	0	0	0	272.6	1231	0	0	46.20	100	90	28	163.9
209	1151.11	0	211.89	0	0	0	0	272.6	1231	0	234	46.20	100	90	28	170.6
210	1151.11	0	211.89	0	0	0	0	272.6	1231	0	234	46.20	100	90	28	179
211	1151.11	0	211.89	0	0	0	0	272.6	1231	0	234	46.20	100	90	28	177
212	890	0	0	0	0	0	0	178	1231	0	0	30.20	100	21	56	108.8
213	890	0	0	0	0	0	0	178	1231	0	0	30.20	100	21	56	113.8
214	845.5	0	44.5	0	0	0	0	178	1231	0	0	30.20	100	21	56	120.1
215	801	0	89	0	0	0	0	178	1231	0	0	30.20	100	21	56	127.4
216	756.5	0	133.5	0	0	0	0	178	1231	0	0	30.20	100	21	56	120.1
217	712	0	178	0	0	0	0	178	1231	0	0	30.20	100	21	56	117.2
218	845.5	0	44.5	0	0	0	0	178	1231	0	0	30.20	100	21	56	124.1
219	712	0	0	0	0	178	0	178	1231	0	0	30.20	100	21	56	110.3
220	623	0	0	0	0	267	0	178	1231	0	0	30.20	100	21	56	117.2
221	534	0	0	0	0	356	0	178	1231	0	0	30.20	100	21	56	110.9
222	667.5	0	44.5	0	0	178	0	178	1231	0	0	30.20	100	21	56	113.8
223	1009	0	0	0	0	0	0	201.8	1231	0	0	34.20	100	21	56	126.2
224	1009	0	0	0	0	0	0	201.8	1231	0	0	34.20	100	21	56	129.3
225	958.55	0	50.45	0	0	0	0	201.8	1231	0	0	34.20	100	21	56	129
226	756.75	0	50.45	0	0	201.8	0	201.8	1231	0	0	34.20	100	21	56	131.7
227	890	0	0	0	0	0	0	178	1231	0	0	30.20	100	21	90	114.1
228	890	0	0	0	0	0	0	178	1231	0	0	30.20	100	21	90	118.1
229	845.5	0	44.5	0	0	0	0	178	1231	0	0	30.20	100	21	90	125.4
230	801	0	89	0	0	0	0	178	1231	0	0	30.20	100	21	90	127.6

231	756.5	0	133.5	0	0	0	0	178	1231	0	0	30.20	100	21	90	120.9
232	712	0	178	0	0	0	0	178	1231	0	0	30.20	100	21	90	118.6
233	845.5	0	44.5	0	0	0	0	178	1231	0	0	30.20	100	21	90	126.2
234	712	0	0	0	0	178	0	178	1231	0	0	30.20	100	21	90	117.5
235	623	0	0	0	0	267	0	178	1231	0	0	30.20	100	21	90	119.3
236	534	0	0	0	0	356	0	178	1231	0	0	30.20	100	21	90	119.1
237	667.5	0	44.5	0	0	178	0	178	1231	0	0	30.20	100	21	90	119.7
238	1009	0	0	0	0	0	0	201.8	1231	0	0	34.20	100	21	90	139.3
239	1009	0	0	0	0	0	0	201.8	1231	0	0	34.20	100	21	90	149.7
240	958.55	0	50.45	0	0	0	0	201.8	1231	0	0	34.20	100	21	90	155.2
241	756.75	0	50.45	0	0	201.8	0	201.8	1231	0	0	34.20	100	21	90	152.1
242	472	315	262	0	0	0	0	178	1049	0	0	21.00	100	20	7	94.3
243	472	315	262	0	0	0	0	178	1049	0	156	21.00	100	20	7	114.9
244	472	315	262	0	0	0	0	178	1049	0	156	21.00	100	20	7	120.9
245	472	315	262	0	0	0	0	178	1049	0	156	21.00	100	20	7	108.3
248	472	315	262	0	0	0	0	178	1049	0	0	21.00	100	20	28	97.8
249	472	315	262	0	0	0	0	178	1049	0	156	21.00	100	20	28	134.4
250	472	315	262	0	0	0	0	178	1049	0	156	21.00	100	20	28	143.5
251	472	315	262	0	0	0	0	178	1049	0	156	21.00	100	20	28	127.4
252	472	315	262	0	0	0	0	178	1049	0	156	21.00	100	20	28	122.9
253	472	315	262	0	0	0	0	178	1049	0	156	21.00	100	20	28	120.4
257	850	0	137.5	0	0	112.5	0	176	1100	0	234	8.00	100	23	28	162.1
259	850	0	137.5	0	0	112.5	0	176	1100	0	234	8.00	100	23	28	162.8
260	700	0	50	0	0	150	0	180	1104	0	0	30.00	100	20	1	57.9
261	700	0	50	0	0	150	0	180	1104	0	39	30.00	100	20	1	64.5
262	700	0	50	0	0	150	0	180	1104	0	78	30.00	100	20	1	73.8
263	700	0	50	0	0	150	0	180	1104	0	117	30.00	100	20	1	83.2
264	700	0	50	0	0	150	0	180	1104	0	156	30.00	100	20	1	88.8
265	700	0	50	0	0	150	0	180	1104	0	195	30.00	100	20	1	89.7
266	700	0	50	0	0	150	0	180	1104	0	0	30.00	100	20	7	94.4
267	700	0	50	0	0	150	0	180	1104	0	39	30.00	100	20	7	96.3
268	700	0	50	0	0	150	0	180	1104	0	78	30.00	100	20	7	102.8
269	700	0	50	0	0	150	0	180	1104	0	117	30.00	100	20	7	115.9
270	700	0	50	0	0	150	0	180	1104	0	156	30.00	100	20	7	120.6
271	700	0	50	0	0	150	0	180	1104	0	195	30.00	100	20	7	125.2
272	700	0	50	0	0	150	0	180	1104	0	0	30.00	100	20	28	105.6
274	700	0	50	0	0	150	0	180	1104	0	78	30.00	100	20	28	138.3
275	700	0	50	0	0	150	0	180	1104	0	117	30.00	100	20	28	149.5
276	700	0	50	0	0	150	0	180	1104	0	156	30.00	100	20	28	153.3
277	700	0	50	0	0	150	0	180	1104	0	195	30.00	100	20	28	156.1
279	741	0	185	64.75	194.25	0	0	185	815	0	156	9.00	65	30	1	76
280	741	0	185	129.5	129.5	0	0	185	815	0	156	9.00	65	30	1	78
281	741	0	185	194.25	64.75	0	0	185	815	0	156	9.00	65	30	1	82
282	741	0	185	259	0	0	0	185	815	0	0	9.00	65	30	1	82
283	741	0	185	0	259	0	0	185	815	0	156	9.00	65	30	3	117
284	741	0	185	64.75	194.25	0	0	185	815	0	156	9.00	65	30	3	118
285	741	0	185	129.5	129.5	0	0	185	815	0	156	9.00	65	30	3	111
286	741	0	185	194.25	64.75	0	0	185	815	0	156	9.00	65	30	3	116
287	741	0	185	259	0	0	0	185	815	0	0	9.00	65	30	3	115
288	741	0	185	0	259	0	0	185	815	0	156	9.00	65	30	7	144
289	741	0	185	64.75	194.25	0	0	185	815	0	156	9.00	65	30	7	142
291	741	0	185	194.25	64.75	0	0	185	815	0	156	9.00	65	30	7	138
294	741	0	185	64.75	194.25	0	0	185	815	0	156	9.00	65	30	28	159
295	741	0	185	129.5	129.5	0	0	185	815	0	156	9.00	65	30	28	160
296	741	0	185	194.25	64.75	0	0	185	815	0	156	9.00	65	30	28	158
297	741	0	185	259	0	0	0	185	815	0	0	9.00	65	30	28	155
298	741	0	185	0	259	0	0	185	815	0	156	9.00	65	30	90	165
299	741	0	185	64.75	194.25	0	0	185	815	0	156	9.00	65	30	90	171
300	741	0	185	129.5	129.5	0	0	185	815	0	156	9.00	65	30	90	167
301	741	0	185	194.25	64.75	0	0	185	815	0	156	9.00	65	30	90	168
305	890	0	222	0	0	0	0	222	799	0	117	29.70	100	23	28	130.3
306	933	0	233	0	0	0	0	168	1026	0	0	37.60	100	23	28	101.4
307	933	0	233	0	0	0	0	168	1026	0	0	37.60	100	23	28	116.2

310	850	0	260	0	212	0	0	170	850	0	156	45.00	100	23	28	170.4
311	850	0	260	0	212	0	0	170	850	0	156	45.00	100	23	28	184
312	950	0	234	0	95	0	0	215	1030	0	234	12.70	100	23	28	158.1
313	950	0	234	0	95	0	0	215	1030	0	234	12.70	100	23	28	168.6
315	850	0	260	0	212	0	0	170	850	0	156	45.00	100	23	28	180.8
316	850	0	260	0	212	0	0	170	850	0	156	45.00	100	23	28	192.2
317	850	0	260	0	212	0	0	170	850	0	156	45.00	100	23	28	206.6
318	850	0	260	0	212	0	0	170	850	0	156	45.00	100	23	28	185.2
319	850	0	260	0	212	0	0	170	850	0	156	45.00	100	23	28	198.5
321	850	0	260	0	212	0	0	170	850	0	156	45.00	100	23	28	188.2
322	850	0	260	0	212	0	0	170	850	0	156	45.00	100	23	28	202.2
324	850	0	260	0	212	0	0	170	850	0	156	45.00	100	23	28	193.5
325	850	0	260	0	212	0	0	170	850	0	156	45.00	100	23	28	203.9
327	850	0	260	0	212	0	0	170	850	0	156	45.00	100	23	28	197.9
330	850	0	260	0	212	0	0	170	850	0	156	45.00	100	23	28	201.2
333	850	0	260	0	212	0	0	170	850	0	156	45.00	100	23	28	206.2
336	850	0	260	0	212	0	0	170	850	0	156	45.00	100	23	28	205.6
339	850	0	260	0	212	0	0	170	850	0	156	45.00	100	23	28	199.9
342	850	0	260	0	212	0	0	170	850	0	156	45.00	100	23	28	195.2
345	850	0	260	0	212	0	0	170	850	0	156	45.00	100	23	28	190.2
346	850	0	260	0	212	0	0	170	850	0	156	45.00	100	23	28	208.2
348	850	0	260	0	212	0	0	170	850	0	156	45.00	100	23	28	181
349	850	0	260	0	212	0	0	170	850	0	156	45.00	100	23	28	192.2
350	850	0	260	0	212	0	0	170	850	0	156	45.00	100	23	28	206.78
351	850	0	260	0	212	0	0	170	850	0	156	45.00	100	23	28	182.4
352	850	0	260	0	212	0	0	170	850	0	156	45.00	100	23	28	194.9
353	850	0	260	0	212	0	0	170	850	0	156	45.00	100	23	28	207.8
354	850	0	260	0	212	0	0	170	850	0	156	45.00	100	23	28	186.1
355	850	0	260	0	212	0	0	170	850	0	156	45.00	100	23	28	196.9
357	850	0	260	0	212	0	0	170	850	0	156	45.00	100	23	28	186.8
358	850	0	260	0	212	0	0	170	850	0	156	45.00	100	23	28	197.6
360	850	0	260	0	212	0	0	170	850	0	156	45.00	100	23	28	187.5
361	850	0	260	0	212	0	0	170	850	0	156	45.00	100	23	28	200
363	850	0	260	0	212	0	0	170	850	0	156	45.00	100	23	28	173.2
364	850	0	260	0	212	0	0	170	850	0	156	45.00	100	23	28	184.4
365	850	0	260	0	212	0	0	170	850	0	156	45.00	100	23	28	196.9
367	850	0	260	0	212	0	0	170	850	0	156	45.00	100	23	28	181
368	850	0	260	0	212	0	0	170	850	0	156	45.00	100	23	28	191.2
370	850	0	260	0	212	0	0	170	850	0	156	45.00	100	23	28	176.6
371	850	0	260	0	212	0	0	170	850	0	156	45.00	100	23	28	182.4
373	850	0	260	0	212	0	0	170	850	0	156	45.00	100	23	28	172.9
374	850	0	260	0	212	0	0	170	850	0	156	45.00	100	23	28	181.7
376	850	0	260	0	212	0	0	170	850	0	156	45.00	100	23	28	171.2
377	850	0	260	0	212	0	0	170	850	0	156	45.00	100	23	28	180.3
380	850	0	260	0	212	0	0	170	850	0	156	45.00	100	23	28	174.6
381	788.5	0	197.1	0	0	0	0	160.3	1104	0	156	50.00	50	23	28	187.1
382	788.5	0	197.1	0	0	0	0	160.3	1104	0	156	50.00	50	23	28	192.3
383	788.5	0	197.1	0	0	0	0	160.3	1104	0	156	50.00	50	23	28	204.4
384	833	0	208	0	0	0	0	208	1125	0	0	25.00	100	23	28	147
385	825	0	206	0	0	0	0	206	1114	0	78	25.00	100	23	28	145.5
386	817	0	204	0	0	0	0	204	1102	0	156	25.00	100	23	28	147.5
387	808	0	202	0	0	0	0	202	1091	0	234	24.00	100	23	28	165.7
388	800	0	200	0	200	0	0	200	880	0	0	9.60	60	20	7	101.5
389	800	0	100	0	200	0	0	200	980	0	0	9.60	60	20	7	111.4
390	800	0	200	0	100	0	0	200	980	0	0	9.60	60	20	7	108.6
391	800	0	200	0	0	0	0	200	1080	0	0	14.40	60	20	7	111
394	800	0	200	0	200	0	0	200	880	0	0	9.60	60	20	28	141.3
395	800	0	100	0	200	0	0	200	980	0	0	9.60	60	20	28	147.3
396	800	0	200	0	100	0	0	200	980	0	0	9.60	60	20	28	146.5
397	800	0	200	0	0	0	0	200	1080	0	0	14.40	60	20	28	159.2
400	800	0	200	0	200	0	0	200	880	0	0	9.60	60	20	90	163.3
401	800	0	100	0	200	0	0	200	980	0	0	9.60	60	20	90	166.4
402	800	0	200	0	100	0	0	200	980	0	0	9.60	60	20	90	175.9

404	800	0	100	0	200	0	0	200	980	0	0	9.60	60	20	90	141.1
406	950	0	255	0	0	0	0	189	873	0	0	31.00	100	23	7	104.2
407	941.5	0	255	0	0	0	9.5	189	873	0	0	31.00	100	23	7	109.8
408	932	0	255	0	0	0	19	189	873	0	0	31.00	100	23	7	112.6
409	921.5	0	255	0	0	0	28.5	189	873	0	0	31.00	100	23	7	119.4
410	912	0	255	0	0	0	38	189	873	0	0	31.00	100	23	7	114.3
411	950	0	255	0	0	0	0	189	873	0	0	31.00	100	23	28	132.5
412	941.5	0	255	0	0	0	9.5	189	873	0	0	31.00	100	23	28	135.8
413	932	0	255	0	0	0	19	189	873	0	0	31.00	100	23	28	137
414	921.5	0	255	0	0	0	28.5	189	873	0	0	31.00	100	23	28	143.2
415	912	0	255	0	0	0	38	189	873	0	0	31.00	100	23	28	139.2
416	950	0	255	0	0	0	0	189	873	0	0	31.00	100	23	90	138.7
417	941.5	0	255	0	0	0	9.5	189	873	0	0	31.00	100	23	90	139.8
418	932	0	255	0	0	0	19	189	873	0	0	31.00	100	23	90	141.5
419	921.5	0	255	0	0	0	28.5	189	873	0	0	31.00	100	23	90	147.7
420	912	0	255	0	0	0	38	189	873	0	0	31.00	100	23	90	140.4
421	800	0	0	0	0	0	0	160	1471.3	0	0	21.60	100	23	1	92.2
422	796	0	0	0	0	0	4	160	1461.1	0	0	25.20	100	23	1	82.8
423	792	0	0	0	0	0	8	160	1450.8	0	0	28.80	100	23	1	78.9
424	784	0	0	0	0	0	16	160	1430.2	0	0	36.00	100	23	1	77.9
425	776	0	0	0	0	0	24	160	1409.7	0	0	43.20	100	23	1	75.6
426	720	0	80	0	0	0	0	160	1422.9	0	0	29.60	100	23	1	81.8
427	716	0	80	0	0	0	4	160	1411.6	0	0	33.60	100	23	1	77.8
428	712	0	80	0	0	0	8	160	1400.3	0	0	37.60	100	23	1	69.4
429	704	0	80	0	0	0	16	160	1379.8	0	0	44.80	100	23	1	61.5
430	696	0	80	0	0	0	24	160	1359.2	0	0	52.00	100	23	1	56.7
431	800	0	0	0	0	0	0	160	1471.3	0	0	21.60	100	23	3	103.9
432	796	0	0	0	0	0	4	160	1461.1	0	0	25.20	100	23	3	100.2
433	792	0	0	0	0	0	8	160	1450.8	0	0	28.80	100	23	3	99.3
434	784	0	0	0	0	0	16	160	1430.2	0	0	36.00	100	23	3	95.4
435	776	0	0	0	0	0	24	160	1409.7	0	0	43.20	100	23	3	94.5
436	720	0	80	0	0	0	0	160	1422.9	0	0	29.60	100	23	3	91.2
437	716	0	80	0	0	0	4	160	1411.6	0	0	33.60	100	23	3	87.9
438	712	0	80	0	0	0	8	160	1400.3	0	0	37.60	100	23	3	86.3
439	704	0	80	0	0	0	16	160	1379.8	0	0	44.80	100	23	3	85.3
440	696	0	80	0	0	0	24	160	1359.2	0	0	52.00	100	23	3	84.3
441	800	0	0	0	0	0	0	160	1471.3	0	0	21.60	100	23	7	108
442	796	0	0	0	0	0	4	160	1461.1	0	0	25.20	100	23	7	108.7
443	792	0	0	0	0	0	8	160	1450.8	0	0	28.80	100	23	7	109
444	784	0	0	0	0	0	16	160	1430.2	0	0	36.00	100	23	7	109.2
445	776	0	0	0	0	0	24	160	1409.7	0	0	43.20	100	23	7	106.9
446	720	0	80	0	0	0	0	160	1422.9	0	0	29.60	100	23	7	104.3
447	716	0	80	0	0	0	4	160	1411.6	0	0	33.60	100	23	7	105.1
448	712	0	80	0	0	0	8	160	1400.3	0	0	37.60	100	23	7	106.2
449	704	0	80	0	0	0	16	160	1379.8	0	0	44.80	100	23	7	107.1
450	696	0	80	0	0	0	24	160	1359.2	0	0	52.00	100	23	7	102.2
451	800	0	0	0	0	0	0	160	1471.3	0	0	21.60	100	23	14	112.4
452	796	0	0	0	0	0	4	160	1461.1	0	0	25.20	100	23	14	113.1
453	792	0	0	0	0	0	8	160	1450.8	0	0	28.80	100	23	14	114.3
454	784	0	0	0	0	0	16	160	1430.2	0	0	36.00	100	23	14	115.6
455	776	0	0	0	0	0	24	160	1409.7	0	0	43.20	100	23	14	111.5
456	720	0	80	0	0	0	0	160	1422.9	0	0	29.60	100	23	14	116.2
457	716	0	80	0	0	0	4	160	1411.6	0	0	33.60	100	23	14	118.5
458	712	0	80	0	0	0	8	160	1400.3	0	0	37.60	100	23	14	123
459	704	0	80	0	0	0	16	160	1379.8	0	0	44.80	100	23	14	126
460	696	0	80	0	0	0	24	160	1359.2	0	0	52.00	100	23	14	119.2
461	800	0	0	0	0	0	0	160	1471.3	0	0	21.60	100	23	28	115.4
462	796	0	0	0	0	0	4	160	1461.1	0	0	25.20	100	23	28	116.8
463	792	0	0	0	0	0	8	160	1450.8	0	0	28.80	100	23	28	120.9
464	784	0	0	0	0	0	16	160	1430.2	0	0	36.00	100	23	28	123.4
465	776	0	0	0	0	0	24	160	1409.7	0	0	43.20	100	23	28	119.1
466	720	0	80	0	0	0	0	160	1422.9	0	0	29.60	100	23	28	120.7
467	716	0	80	0	0	0	4	160	1411.6	0	0	33.60	100	23	28	125

468	712	0	80	0	0	0	8	160	1400.3	0	0	37.60	100	23	28	130.1
469	704	0	80	0	0	0	16	160	1379.8	0	0	44.80	100	23	28	131.8
470	696	0	80	0	0	0	24	160	1359.2	0	0	52.00	100	23	28	127.3
471	800	0	0	0	0	0	0	160	1471.3	0	0	21.60	100	23	56	119.3
472	796	0	0	0	0	0	4	160	1461.1	0	0	25.20	100	23	56	120.9
473	792	0	0	0	0	0	8	160	1450.8	0	0	28.80	100	23	56	123.4
474	784	0	0	0	0	0	16	160	1430.2	0	0	36.00	100	23	56	126
475	776	0	0	0	0	0	24	160	1409.7	0	0	43.20	100	23	56	122.3
476	720	0	80	0	0	0	0	160	1422.9	0	0	29.60	100	23	56	124.2
477	716	0	80	0	0	0	4	160	1411.6	0	0	33.60	100	23	56	128.8
478	712	0	80	0	0	0	8	160	1400.3	0	0	37.60	100	23	56	134.8
479	704	0	80	0	0	0	16	160	1379.8	0	0	44.80	100	23	56	137.4
480	696	0	80	0	0	0	24	160	1359.2	0	0	52.00	100	23	56	131.8
481	800	0	0	0	0	0	0	160	1471.3	0	0	21.60	100	23	90	124.1
482	796	0	0	0	0	0	4	160	1461.1	0	0	25.20	100	23	90	125.7
483	792	0	0	0	0	0	8	160	1450.8	0	0	28.80	100	23	90	130.6
484	784	0	0	0	0	0	16	160	1430.2	0	0	36.00	100	23	90	133.3
485	776	0	0	0	0	0	24	160	1409.7	0	0	43.20	100	23	90	129.9
486	720	0	80	0	0	0	0	160	1422.9	0	0	29.60	100	23	90	130.3
487	716	0	80	0	0	0	4	160	1411.6	0	0	33.60	100	23	90	132.8
488	712	0	80	0	0	0	8	160	1400.3	0	0	37.60	100	23	90	137.9
489	704	0	80	0	0	0	16	160	1379.8	0	0	44.80	100	23	90	141.6
490	696	0	80	0	0	0	24	160	1359.2	0	0	52.00	100	23	90	138.3
491	550	0	0	0	0	0	0	192.5	678	1017	0	1.10	100	21	3	32.5
492	545.875	0	0	0	0	0	4.125	192.5	674	1011	0	4.40	100	21	3	35.3
493	541.75	0	0	0	0	0	8.25	192.5	671	1007	0	6.60	100	21	3	39.5
494	545.875	0	0	0	0	0	4.125	192.5	674	1011	0	4.40	100	21	3	37.1
495	541.75	0	0	0	0	0	8.25	192.5	671	1007	0	6.60	100	21	3	39.1
496	550	0	0	0	0	0	0	165	705	1057	0	3.85	100	21	3	45
497	545.875	0	0	0	0	0	4.125	165	702	1052	0	6.60	100	21	3	46.4
498	541.75	0	0	0	0	0	8.25	165	699	1049	0	8.25	100	21	3	51.6
499	545.875	0	0	0	0	0	4.125	165	702	1052	0	6.60	100	21	3	45.4
500	541.75	0	0	0	0	0	8.25	165	699	1049	0	8.25	100	21	3	42.2
501	550	0	0	0	0	0	0	137.5	732	1098	0	6.60	100	21	3	58.9
502	545.875	0	0	0	0	0	4.125	137.5	728	1092	0	9.90	100	21	3	59.8
503	541.75	0	0	0	0	0	8.25	137.5	725	1087	0	12.65	100	21	3	63.3
504	545.875	0	0	0	0	0	4.125	137.5	728	1092	0	9.90	100	21	3	56.1
505	541.75	0	0	0	0	0	8.25	137.5	725	1087	0	12.65	100	21	3	53.1
506	550	0	0	0	0	0	0	192.5	678	1017	0	1.10	100	21	7	40.9
507	545.875	0	0	0	0	0	4.125	192.5	674	1011	0	4.40	100	21	7	44.9
508	541.75	0	0	0	0	0	8.25	192.5	671	1007	0	6.60	100	21	7	51.3
509	545.875	0	0	0	0	0	4.125	192.5	674	1011	0	4.40	100	21	7	45.7
510	541.75	0	0	0	0	0	8.25	192.5	671	1007	0	6.60	100	21	7	49.3
511	550	0	0	0	0	0	0	165	705	1057	0	3.85	100	21	7	57.2
512	545.875	0	0	0	0	0	4.125	165	702	1052	0	6.60	100	21	7	59.7
513	541.75	0	0	0	0	0	8.25	165	699	1049	0	8.25	100	21	7	60.1
514	545.875	0	0	0	0	0	4.125	165	702	1052	0	6.60	100	21	7	52.5
515	541.75	0	0	0	0	0	8.25	165	699	1049	0	8.25	100	21	7	50.1
516	550	0	0	0	0	0	0	137.5	732	1098	0	6.60	100	21	7	71.6
517	545.875	0	0	0	0	0	4.125	137.5	728	1092	0	9.90	100	21	7	76
518	541.75	0	0	0	0	0	8.25	137.5	725	1087	0	12.65	100	21	7	75
519	545.875	0	0	0	0	0	4.125	137.5	728	1092	0	9.90	100	21	7	69
520	541.75	0	0	0	0	0	8.25	137.5	725	1087	0	12.65	100	21	7	67.8
522	545.875	0	0	0	0	0	4.125	192.5	674	1011	0	4.40	100	21	28	53.4
523	541.75	0	0	0	0	0	8.25	192.5	671	1007	0	6.60	100	21	28	61.8
524	545.875	0	0	0	0	0	4.125	192.5	674	1011	0	4.40	100	21	28	54.5
525	541.75	0	0	0	0	0	8.25	192.5	671	1007	0	6.60	100	21	28	61
526	550	0	0	0	0	0	0	165	705	1057	0	3.85	100	21	28	67.2
527	545.875	0	0	0	0	0	4.125	165	702	1052	0	6.60	100	21	28	64.4
528	541.75	0	0	0	0	0	8.25	165	699	1049	0	8.25	100	21	28	72.6
529	545.875	0	0	0	0	0	4.125	165	702	1052	0	6.60	100	21	28	64.2
530	541.75	0	0	0	0	0	8.25	165	699	1049	0	8.25	100	21	28	62.9
531	550	0	0	0	0	0	0	137.5	732	1098	0	6.60	100	21	28	85.5

532	545.875	0	0	0	0	0	4.125	137.5	728	1092	0	9.90	100	21	28	86.7
533	541.75	0	0	0	0	0	8.25	137.5	725	1087	0	12.65	100	21	28	85
534	545.875	0	0	0	0	0	4.125	137.5	728	1092	0	9.90	100	21	28	83.6
535	541.75	0	0	0	0	0	8.25	137.5	725	1087	0	12.65	100	21	28	84.7
537	545.875	0	0	0	0	0	4.125	192.5	674	1011	0	4.40	100	21	90	62
538	541.75	0	0	0	0	0	8.25	192.5	671	1007	0	6.60	100	21	90	65.9
539	545.875	0	0	0	0	0	4.125	192.5	674	1011	0	4.40	100	21	90	58.4
540	541.75	0	0	0	0	0	8.25	192.5	671	1007	0	6.60	100	21	90	65.3
541	550	0	0	0	0	0	0	165	705	1057	0	3.85	100	21	90	74.3
542	545.875	0	0	0	0	0	4.125	165	702	1052	0	6.60	100	21	90	75.1
543	541.75	0	0	0	0	0	8.25	165	699	1049	0	8.25	100	21	90	76.9
544	545.875	0	0	0	0	0	4.125	165	702	1052	0	6.60	100	21	90	71.9
545	541.75	0	0	0	0	0	8.25	165	699	1049	0	8.25	100	21	90	70.8
546	550	0	0	0	0	0	0	137.5	732	1098	0	6.60	100	21	90	93.8
547	545.875	0	0	0	0	0	4.125	137.5	728	1092	0	9.90	100	21	90	95
548	541.75	0	0	0	0	0	8.25	137.5	725	1087	0	12.65	100	21	90	91.2
549	545.875	0	0	0	0	0	4.125	137.5	728	1092	0	9.90	100	21	90	90
550	541.75	0	0	0	0	0	8.25	137.5	725	1087	0	12.65	100	21	90	92.6
551	950	0	200	0	350	0	0	230	570	0	234	53.00	100	20	28	140.7
552	931	0	200	0	350	0	19	230	570	0	234	53.00	100	20	28	150.6
553	902.5	0	200	0	350	0	47.5	230	570	0	234	53.00	100	20	28	148.4
554	950	0	200	0	350	0	0	230	690	0	234	53.00	100	20	28	144.7
555	931	0	200	0	350	0	19	230	690	0	234	53.00	100	20	28	155.4
556	902.5	0	200	0	350	0	47.5	230	690	0	234	53.00	100	20	28	142.4
557	950	0	200	0	350	0	0	230	810	0	234	53.00	100	20	28	144.5
559	902.5	0	200	0	350	0	47.5	230	810	0	234	53.00	100	20	28	137.2
560	863	0	216	0	0	0	0	177	923	0	0	32.37	100	20	7	88.9
561	647	216	216	0	0	0	0	177	923	0	0	32.37	100	20	7	86.7
563	432	216	216	0	0	216	0	177	923	0	0	32.40	100	20	7	79.2
564	829	0	216	0	0	0	34.5	177	923	0	0	32.39	100	20	7	91.1
565	852	0	216	0	0	0	10.8	177	923	0	0	32.36	100	20	7	101.9
566	863	0	216	0	0	0	0	177	923	0	156	32.37	100	20	7	103.7
567	647	216	216	0	0	0	0	177	923	0	156	32.37	100	20	7	118.1
568	647	0	216	0	0	216	0	177	923	0	156	32.37	100	20	7	118.7
569	432	216	216	0	0	216	0	177	923	0	156	32.40	100	20	7	117.6
570	829	0	216	0	0	0	34.5	177	923	0	156	32.39	100	20	7	118.7
571	852	0	216	0	0	0	10.8	177	923	0	156	32.36	100	20	7	122.6
572	863	0	216	0	0	0	0	177	923	0	0	32.37	100	20	28	104.1
573	647	216	216	0	0	0	0	177	923	0	0	32.37	100	20	28	109
574	647	0	216	0	0	216	0	177	923	0	0	32.37	100	20	28	109
575	432	216	216	0	0	216	0	177	923	0	0	32.40	100	20	28	103
576	829	0	216	0	0	0	34.5	177	923	0	0	32.39	100	20	28	113.9
577	852	0	216	0	0	0	10.8	177	923	0	0	32.36	100	20	28	113.3
578	863	0	216	0	0	0	0	177	923	0	156	32.37	100	20	28	142.1
579	647	216	216	0	0	0	0	177	923	0	156	32.37	100	20	28	157.2
580	647	0	216	0	0	216	0	177	923	0	156	32.37	100	20	28	156
581	432	216	216	0	0	216	0	177	923	0	156	32.40	100	20	28	154.4
582	829	0	216	0	0	0	34.5	177	923	0	156	32.39	100	20	28	156
583	852	0	216	0	0	0	10.8	177	923	0	156	32.36	100	20	28	154.4
584	900	0	220	0	0	0	0	163	1005	0	156	40.00	100	23	7	124.1
585	900	0	165	0	0	55	0	163	1021	0	156	40.00	100	23	7	115.5
586	900	0	110	0	0	110	0	163	1036	0	156	40.00	100	23	7	113.5
587	810	0	220	0	0	90	0	163	1002	0	156	40.00	100	23	7	116
588	720	0	220	0	0	180	0	163	998	0	156	40.00	100	23	7	116.5
589	630	0	220	0	0	270	0	163	994	0	156	40.00	100	23	7	110
590	900	0	220	0	0	0	0	163	1005	0	156	40.00	100	23	14	132.9
591	900	0	165	0	0	55	0	163	1021	0	156	40.00	100	23	14	123
592	900	0	110	0	0	110	0	163	1036	0	156	40.00	100	23	14	122
593	810	0	220	0	0	90	0	163	1002	0	156	40.00	100	23	14	125.3
594	720	0	220	0	0	180	0	163	998	0	156	40.00	100	23	14	125.1
595	630	0	220	0	0	270	0	163	994	0	156	40.00	100	23	14	124.5
596	900	0	220	0	0	0	0	163	1005	0	156	40.00	100	23	28	143
597	900	0	165	0	0	55	0	163	1021	0	156	40.00	100	23	28	138.8

598	900	0	110	0	0	110	0	163	1036	0	156	40.00	100	23	28	138.2
599	810	0	220	0	0	90	0	163	1002	0	156	40.00	100	23	28	140.4
600	720	0	220	0	0	180	0	163	998	0	156	40.00	100	23	28	132.2
601	630	0	220	0	0	270	0	163	994	0	156	40.00	100	23	28	130.6
602	900	0	220	0	0	0	0	163	1005	0	156	40.00	100	23	56	161.6
603	900	0	165	0	0	55	0	163	1021	0	156	40.00	100	23	56	154.8
604	900	0	110	0	0	110	0	163	1036	0	156	40.00	100	23	56	152.4
605	810	0	220	0	0	90	0	163	1002	0	156	40.00	100	23	56	157.2
606	720	0	220	0	0	180	0	163	998	0	156	40.00	100	23	56	153.7
607	630	0	220	0	0	270	0	163	994	0	156	40.00	100	23	56	151
615	666.4	35.1	210.5	0	259.6	0	0	164.2	820.8	0	156	17.50	100	90	28	144.7
616	631.4	70.1	210.5	0	259.6	0	0	164.2	820.8	0	156	17.50	100	90	28	159.1
617	596.3	105.2	210.5	0	259.6	0	0	164.2	820.8	0	156	17.50	100	90	28	147.4
618	561.2	140.3	210.5	0	259.6	0	0	164.2	820.8	0	156	17.50	100	90	28	139.6
619	526.1	175.4	210.5	0	259.6	0	0	164.2	820.8	0	156	17.50	100	90	28	130.6
620	701.5	0	210.5	0	259.6	0	0	164.2	820.8	0	156	17.50	100	200	28	161.9
621	666.4	35.1	210.5	0	259.6	0	0	164.2	820.8	0	156	17.50	100	200	28	170.1
622	631.4	70.1	210.5	0	259.6	0	0	164.2	820.8	0	156	17.50	100	200	28	175.9
624	561.2	140.3	210.5	0	259.6	0	0	164.2	820.8	0	156	17.50	100	200	28	179.1
626	620.2	0	114.2	0	0	164.9	0	161.9	1277.5	0	156	36.00	100	20	1	91.1
627	558.1	62	114.2	0	0	164.9	0	161.9	1276.6	0	156	36.00	100	20	1	77.9
630	620.2	0	114.2	0	0	164.9	0	161.9	1277.5	0	156	36.00	100	20	3	113.8
631	558.1	62	114.2	0	0	164.9	0	161.9	1276.6	0	156	36.00	100	20	3	102.7
634	620.2	0	114.2	0	0	164.9	0	161.9	1277.5	0	156	36.00	100	20	7	134.2
635	558.1	62	114.2	0	0	164.9	0	161.9	1276.6	0	156	36.00	100	20	7	130.5
636	496.1	124	114.2	0	0	164.9	0	161.9	1275.9	0	156	36.00	100	20	7	129.8
637	434.1	186	114.2	0	0	164.9	0	161.9	1275	0	156	36.00	100	20	7	121.7
639	558.1	62	114.2	0	0	164.9	0	161.9	1276.6	0	156	36.00	100	20	14	160.5
640	496.1	124	114.2	0	0	164.9	0	161.9	1275.9	0	156	36.00	100	20	14	162
641	434.1	186	114.2	0	0	164.9	0	161.9	1275	0	156	36.00	100	20	14	153.9
643	558.1	62	114.2	0	0	164.9	0	161.9	1276.6	0	156	36.00	100	20	28	170.7
644	496.1	124	114.2	0	0	164.9	0	161.9	1275.9	0	156	36.00	100	20	28	175.8
645	434.1	186	114.2	0	0	164.9	0	161.9	1275	0	156	36.00	100	20	28	168.4
646	863.2	0	215.8	0	0	0	0	177	1079	0	0	21.60	100	20	1	36.1
647	857.8	0	215.8	0	0	0	5.4	177	1079	0	0	21.60	100	20	1	42.2
648	852.4	0	215.8	0	0	0	10.8	177	1079	0	0	21.60	100	20	1	47.7
649	847	0	215.8	0	0	0	16.2	177	1079	0	0	21.60	100	20	1	53.1
650	841.6	0	215.8	0	0	0	21.6	177	1079	0	0	21.60	100	20	1	53.1
651	863.2	0	215.8	0	0	0	0	177	1079	0	0	21.60	100	20	3	75.6
652	857.8	0	215.8	0	0	0	5.4	177	1079	0	0	21.60	100	20	3	81.7
653	852.4	0	215.8	0	0	0	10.8	177	1079	0	0	21.60	100	20	3	85.1
654	847	0	215.8	0	0	0	16.2	177	1079	0	0	21.60	100	20	3	87.8
655	841.6	0	215.8	0	0	0	21.6	177	1079	0	0	21.60	100	20	3	81.7
656	863.2	0	215.8	0	0	0	0	177	1079	0	0	21.60	100	20	7	83.7
657	857.8	0	215.8	0	0	0	5.4	177	1079	0	0	21.60	100	20	7	92.6
658	852.4	0	215.8	0	0	0	10.8	177	1079	0	0	21.60	100	20	7	102.1
659	847	0	215.8	0	0	0	16.2	177	1079	0	0	21.60	100	20	7	105.5
660	841.6	0	215.8	0	0	0	21.6	177	1079	0	0	21.60	100	20	7	102.8
661	863.2	0	215.8	0	0	0	0	177	1079	0	0	21.60	100	20	28	103.5
662	857.8	0	215.8	0	0	0	5.4	177	1079	0	0	21.60	100	20	28	108.3
663	852.4	0	215.8	0	0	0	10.8	177	1079	0	0	21.60	100	20	28	113.7
664	847	0	215.8	0	0	0	16.2	177	1079	0	0	21.60	100	20	28	112.3
665	841.6	0	215.8	0	0	0	21.6	177	1079	0	0	21.60	100	20	28	110.3
666	863.2	0	215.8	0	0	0	0	177	1079	0	0	21.60	100	20	90	119.8
667	857.8	0	215.8	0	0	0	5.4	177	1079	0	0	21.60	100	20	90	128
668	852.4	0	215.8	0	0	0	10.8	177	1079	0	0	21.60	100	20	90	130.7
669	847	0	215.8	0	0	0	16.2	177	1079	0	0	21.60	100	20	90	123.2
670	841.6	0	215.8	0	0	0	21.6	177	1079	0	0	21.60	100	20	90	117.8
671	750	0	144	0	0	200	0	182	990	0	0	38.00	100	20	3	82.3
672	675	75	144	0	0	200	0	182	990	0	0	38.00	100	20	3	68.9
673	600	150	144	0	0	200	0	182	990	0	0	36.00	100	20	3	64.5
674	525	225	144	0	0	200	0	182	990	0	0	36.00	100	20	3	60.7
675	450	300	144	0	0	200	0	182	990	0	0	34.00	100	20	3	53

676	375	375	144	0	0	200	0	182	990	0	0	30.00	100	20	3	48.1
677	750	0	144	0	0	200	0	182	990	0	0	38.00	100	20	7	100.1
678	675	75	144	0	0	200	0	182	990	0	0	38.00	100	20	7	90
679	600	150	144	0	0	200	0	182	990	0	0	36.00	100	20	7	84.3
680	525	225	144	0	0	200	0	182	990	0	0	36.00	100	20	7	82.3
681	450	300	144	0	0	200	0	182	990	0	0	34.00	100	20	7	78
682	375	375	144	0	0	200	0	182	990	0	0	30.00	100	20	7	70.3
683	750	0	144	0	0	200	0	182	990	0	0	38.00	100	20	28	121.8
684	675	75	144	0	0	200	0	182	990	0	0	38.00	100	20	28	125.2
685	600	150	144	0	0	200	0	182	990	0	0	36.00	100	20	28	127.6
686	525	225	144	0	0	200	0	182	990	0	0	36.00	100	20	28	127.1
687	450	300	144	0	0	200	0	182	990	0	0	34.00	100	20	28	122.3
688	375	375	144	0	0	200	0	182	990	0	0	30.00	100	20	28	116
689	960	0	240	0	0	0	0	234	793.7	0	0	45.00	100	23	7	107.6
690	960	0	240	0	0	0	0	234	787.1	0	19.5	45.00	100	23	7	119.3
691	960	0	240	0	0	0	0	234	780.5	0	39	45.00	100	23	7	121.8
692	960	0	240	0	0	0	0	234	773.8	0	58.5	45.00	100	23	7	124.2
693	960	0	240	0	0	0	0	234	767.2	0	78	45.00	100	23	7	126.9
694	960	0	240	0	0	0	0	234	754	0	117	45.00	100	23	7	129.2
695	960	0	240	0	0	0	0	234	740.7	0	156	45.00	100	23	7	136.6
696	960	0	240	0	0	0	0	234	786.4	0	19.5	45.00	100	23	7	118.1
697	960	0	240	0	0	0	0	234	779.2	0	39	45.00	100	23	7	120.2
698	960	0	240	0	0	0	0	234	771.9	0	58.5	45.00	100	23	7	122.6
699	960	0	240	0	0	0	0	234	764.7	0	78	45.00	100	23	7	127.4
700	960	0	240	0	0	0	0	234	720.7	0	117	57.00	100	23	7	130
701	960	0	240	0	0	0	0	234	706.2	0	156	57.00	100	23	7	132.4
702	960	0	240	0	0	0	0	234	793.7	0	0	45.00	100	23	28	136.6
703	960	0	240	0	0	0	0	234	787.1	0	19.5	45.00	100	23	28	148.7
704	960	0	240	0	0	0	0	234	780.5	0	39	45.00	100	23	28	150.1
705	960	0	240	0	0	0	0	234	773.8	0	58.5	45.00	100	23	28	152.5
706	960	0	240	0	0	0	0	234	767.2	0	78	45.00	100	23	28	154.8
707	960	0	240	0	0	0	0	234	754	0	117	45.00	100	23	28	160.6
708	960	0	240	0	0	0	0	234	740.7	0	156	45.00	100	23	28	162.8
709	960	0	240	0	0	0	0	234	786.4	0	19.5	45.00	100	23	28	144.5
710	960	0	240	0	0	0	0	234	779.2	0	39	45.00	100	23	28	148.6
711	960	0	240	0	0	0	0	234	771.9	0	58.5	45.00	100	23	28	151.8
712	960	0	240	0	0	0	0	234	764.7	0	78	45.00	100	23	28	154.8
713	960	0	240	0	0	0	0	234	720.7	0	117	57.00	100	23	28	156.2
714	960	0	240	0	0	0	0	234	706.2	0	156	57.00	100	23	28	160.1
715	960	0	240	0	0	0	0	234	793.7	0	0	45.00	100	23	56	150.1
716	960	0	240	0	0	0	0	234	787.1	0	19.5	45.00	100	23	56	163.1
717	960	0	240	0	0	0	0	234	780.5	0	39	45.00	100	23	56	166.2
718	960	0	240	0	0	0	0	234	773.8	0	58.5	45.00	100	23	56	167.6
719	960	0	240	0	0	0	0	234	767.2	0	78	45.00	100	23	56	170.7
720	960	0	240	0	0	0	0	234	754	0	117	45.00	100	23	56	172.7
721	960	0	240	0	0	0	0	234	740.7	0	156	45.00	100	23	56	173.2
722	960	0	240	0	0	0	0	234	786.4	0	19.5	45.00	100	23	56	160.9
723	960	0	240	0	0	0	0	234	779.2	0	39	45.00	100	23	56	163.3
724	960	0	240	0	0	0	0	234	771.9	0	58.5	45.00	100	23	56	164.7
725	960	0	240	0	0	0	0	234	764.7	0	78	45.00	100	23	56	164.9
726	960	0	240	0	0	0	0	234	720.7	0	117	57.00	100	23	56	165.5
727	960	0	240	0	0	0	0	234	706.2	0	156	57.00	100	23	56	166.7
728	960	0	240	0	0	0	0	234	793.7	0	0	45.00	100	23	90	156.1
729	960	0	240	0	0	0	0	234	787.1	0	19.5	45.00	100	23	90	167.8
730	960	0	240	0	0	0	0	234	780.5	0	39	45.00	100	23	90	169.4
731	960	0	240	0	0	0	0	234	773.8	0	58.5	45.00	100	23	90	170.5
732	960	0	240	0	0	0	0	234	767.2	0	78	45.00	100	23	90	173.6
733	960	0	240	0	0	0	0	234	754	0	117	45.00	100	23	90	176.8
734	960	0	240	0	0	0	0	234	740.7	0	156	45.00	100	23	90	180.3
735	960	0	240	0	0	0	0	234	786.4	0	19.5	45.00	100	23	90	165.1
736	960	0	240	0	0	0	0	234	779.2	0	39	45.00	100	23	90	167.7
737	960	0	240	0	0	0	0	234	771.9	0	58.5	45.00	100	23	90	167.9
738	960	0	240	0	0	0	0	234	764.7	0	78	45.00	100	23	90	169.1

739	960	0	240	0	0	0	0	234	720.7	0	117	57.00	100	23	90	170.9
740	960	0	240	0	0	0	0	234	706.2	0	156	57.00	100	23	90	172.5
741	960	0	240	0	0	0	0	234	793.7	0	0	45.00	100	23	180	161.3
742	960	0	240	0	0	0	0	234	787.1	0	19.5	45.00	100	23	180	169.8
743	960	0	240	0	0	0	0	234	780.5	0	39	45.00	100	23	180	170.9
744	960	0	240	0	0	0	0	234	773.8	0	58.5	45.00	100	23	180	172.3
745	960	0	240	0	0	0	0	234	767.2	0	78	45.00	100	23	180	175.2
746	960	0	240	0	0	0	0	234	754	0	117	45.00	100	23	180	178.1
747	960	0	240	0	0	0	0	234	740.7	0	156	45.00	100	23	180	182.4
748	960	0	240	0	0	0	0	234	786.4	0	19.5	45.00	100	23	180	167.9
749	960	0	240	0	0	0	0	234	779.2	0	39	45.00	100	23	180	169.1
750	960	0	240	0	0	0	0	234	771.9	0	58.5	45.00	100	23	180	170.3
751	960	0	240	0	0	0	0	234	764.7	0	78	45.00	100	23	180	172.5
752	960	0	240	0	0	0	0	234	720.7	0	117	57.00	100	23	180	174.2
753	960	0	240	0	0	0	0	234	706.2	0	156	57.00	100	23	180	177.2
754	472	315	262	0	0	0	0	178	1049	0	0	21.00	100	23	7	94.5
755	472	315	262	0	0	0	0	178	1049	0	156	21.00	100	23	7	115
756	472	315	262	0	0	0	0	178	1049	0	156	21.00	100	23	7	120.9
757	472	315	262	0	0	0	0	178	1049	0	156	21.00	100	23	7	108.8
760	472	315	262	0	0	0	0	178	1049	0	0	21.00	100	23	28	98.3
761	472	315	262	0	0	0	0	178	1049	0	156	21.00	100	23	28	134.3
762	472	315	262	0	0	0	0	178	1049	0	156	21.00	100	23	28	143.5
763	472	315	262	0	0	0	0	178	1049	0	156	21.00	100	23	28	127.6
764	472	315	262	0	0	0	0	178	1049	0	156	21.00	100	23	28	123.4
765	472	315	262	0	0	0	0	178	1049	0	156	21.00	100	23	28	120.5
766	680	0	120	0	0	0	0	160	1462	0	0	9.59	100	23	7	63.7
767	640	0	160	0	0	0	0	160	1446.4	0	0	9.60	100	23	7	57.4
768	600	0	200	0	0	0	0	160	1434	0	0	9.60	100	23	7	60.5
769	680	0	120	0	0	0	0	144	1502.8	0	0	9.59	100	23	7	68.49
770	680	0	120	0	0	0	0	176	1421.2	0	0	9.59	100	23	7	55.32
771	680	0	120	0	0	0	0	160	1462	0	0	11.22	100	23	7	63.22
772	680	0	120	0	0	0	0	160	1468.8	0	0	8.02	100	23	7	58.83
773	765	0	135	0	0	0	0	180	1315.8	0	0	10.79	100	23	7	66.8
774	720	0	180	0	0	0	0	180	1303.2	0	0	10.80	100	23	7	69.2
775	675	0	225	0	0	0	0	180	1289.25	0	0	10.80	100	23	7	64.5
776	720	0	180	0	0	0	0	162	1353.6	0	0	10.80	100	23	7	72
777	720	0	180	0	0	0	0	198	1260	0	0	10.80	100	23	7	64.1
778	720	0	180	0	0	0	0	180	1296	0	0	12.60	100	23	7	70.24
779	720	0	180	0	0	0	0	180	1310.4	0	0	9.00	100	23	7	67.61
780	850	0	150	0	0	0	0	200	1173	0	0	11.99	100	23	7	72.3
781	800	0	200	0	0	0	0	200	1160	0	0	12.00	100	23	7	73.1
782	750	0	250	0	0	0	0	200	1140	0	0	12.00	100	23	7	67.6
783	850	0	150	0	0	0	0	180	1224	0	0	11.99	100	23	7	74.63
784	850	0	150	0	0	0	0	220	1122	0	0	11.99	100	23	7	67.61
785	850	0	150	0	0	0	0	200	1173	0	0	14.03	100	23	7	72.88
786	850	0	150	0	0	0	0	200	1181.5	0	0	10.03	100	23	7	69.37
787	680	0	120	0	0	0	0	160	1462	0	0	9.59	100	23	28	118.7
788	640	0	160	0	0	0	0	160	1446.4	0	0	9.60	100	23	28	113.2
790	680	0	120	0	0	0	0	144	1502.8	0	0	9.59	100	23	28	122.93
791	680	0	120	0	0	0	0	176	1421.2	0	0	9.59	100	23	28	108.88
792	680	0	120	0	0	0	0	160	1462	0	0	11.22	100	23	28	122.05
793	680	0	120	0	0	0	0	160	1468.8	0	0	8.02	100	23	28	111.51
794	765	0	135	0	0	0	0	180	1315.8	0	0	10.79	100	23	28	122.6
795	720	0	180	0	0	0	0	180	1303.2	0	0	10.80	100	23	28	124.2
796	675	0	225	0	0	0	0	180	1289.25	0	0	10.80	100	23	28	123.4
797	720	0	180	0	0	0	0	162	1353.6	0	0	10.80	100	23	28	128.2
798	720	0	180	0	0	0	0	198	1260	0	0	10.80	100	23	28	122.05
799	720	0	180	0	0	0	0	180	1296	0	0	12.60	100	23	28	127.32
800	720	0	180	0	0	0	0	180	1310.4	0	0	9.00	100	23	28	125.56
801	850	0	150	0	0	0	0	200	1173	0	0	11.99	100	23	28	128.1
802	800	0	200	0	0	0	0	200	1160	0	0	12.00	100	23	28	126.6
803	750	0	250	0	0	0	0	200	1140	0	0	12.00	100	23	28	125
804	850	0	150	0	0	0	0	180	1224	0	0	11.99	100	23	28	132.59

805	850	0	150	0	0	0	0	220	1122	0	0	11.99	100	23	28	122.93
806	850	0	150	0	0	0	0	200	1173	0	0	14.03	100	23	28	129.95
807	850	0	150	0	0	0	0	200	1181.5	0	0	10.03	100	23	28	127.32
808	729	0	182	0	0	0	0	182	920	230	156	27.00	100	20	28	148
809	365	365	183	0	0	0	0	183	920	230	156	17.00	100	20	28	151
810	480	0	171	0	0	206	0	171	920	230	156	33.00	100	20	28	157
813	480	0	171	0	0	206	0	171	920	230	156	33.00	100	210	28	172
814	863	0	216	0	0	0	0	177	1079	0	0	21.60	100	23	1	35.68
815	858	0	216	0	0	0	5.4	177	1079	0	0	21.60	100	23	1	42.39
816	852	0	216	0	0	0	10.8	177	1079	0	0	21.60	100	23	1	48.2
817	847	0	216	0	0	0	16.2	177	1079	0	0	21.60	100	23	1	53.38
818	842	0	216	0	0	0	21.6	177	1079	0	0	21.60	100	23	1	53.08
819	863	0	216	0	0	0	0	177	1079	0	0	21.60	100	23	3	75.05
820	858	0	216	0	0	0	5.4	177	1079	0	0	21.60	100	23	3	82.07
821	852	0	216	0	0	0	10.8	177	1079	0	0	21.60	100	23	3	85.12
822	847	0	216	0	0	0	16.2	177	1079	0	0	21.60	100	23	3	87.88
823	842	0	216	0	0	0	21.6	177	1079	0	0	21.60	100	23	3	82.09
824	863	0	216	0	0	0	0	177	1079	0	0	21.60	100	23	7	92.48
825	858	0	216	0	0	0	5.4	177	1079	0	0	21.60	100	23	7	92.79
826	852	0	216	0	0	0	10.8	177	1079	0	0	21.60	100	23	7	101.64
827	847	0	216	0	0	0	16.2	177	1079	0	0	21.60	100	23	7	106.22
828	842	0	216	0	0	0	21.6	177	1079	0	0	21.60	100	23	7	103.18
829	863	0	216	0	0	0	0	177	1079	0	0	21.60	100	23	28	103.81
830	858	0	216	0	0	0	5.4	177	1079	0	0	21.60	100	23	28	108.09
831	852	0	216	0	0	0	10.8	177	1079	0	0	21.60	100	23	28	113.58
832	847	0	216	0	0	0	16.2	177	1079	0	0	21.60	100	23	28	112.68
833	842	0	216	0	0	0	21.6	177	1079	0	0	21.60	100	23	28	110.25
834	863	0	216	0	0	0	0	177	1079	0	0	21.60	100	23	28	119.41
835	858	0	216	0	0	0	5.4	177	1079	0	0	21.60	100	23	28	128.26
836	852	0	216	0	0	0	10.8	177	1079	0	0	21.60	100	23	28	129.79
837	847	0	216	0	0	0	16.2	177	1079	0	0	21.60	100	23	28	124
838	842	0	216	0	0	0	21.6	177	1079	0	0	21.60	100	23	28	117.62
839	1251.2	0	291.3	0	0	0	0	201.4	407.8	0	0	28.20	100	23	1	82.81
840	825.8	0	192.3	486.2	0	0	0	201.4	444.4	0	0	10.50	100	23	1	70.14
841	575.6	0	134	772.2	0	0	0	201.4	455.7	0	0	5.10	100	23	1	33.49
842	325.3	0	75.7	1058.2	0	0	0	201.4	455.4	0	0	5.20	100	23	1	28.51
843	1251.2	0	291.3	0	0	0	0	201.4	407.8	0	0	28.20	100	23	3	112.692
844	825.8	0	192.3	486.2	0	0	0	201.4	444.4	0	0	10.50	100	23	3	116.31
846	325.3	0	75.7	1058.2	0	0	0	201.4	455.4	0	0	5.20	100	23	3	54.32
847	1251.2	0	291.3	0	0	0	0	201.4	407.8	0	0	28.20	100	23	7	124.94
850	325.3	0	75.7	1058.2	0	0	0	201.4	455.4	0	0	5.20	100	23	7	75.62
851	1251.2	0	291.3	0	0	0	0	201.4	407.8	0	0	28.20	100	23	14	140.83
852	825.8	0	192.3	486.2	0	0	0	201.4	444.4	0	0	10.50	100	23	14	148.52
853	575.6	0	134	772.2	0	0	0	201.4	455.7	0	0	5.10	100	23	14	142.64
854	325.3	0	75.7	1058.2	0	0	0	201.4	455.4	0	0	5.20	100	23	14	97.84
855	1251.2	0	291.3	0	0	0	0	201.4	407.8	0	0	28.20	100	23	28	147.27
856	825.8	0	192.3	486.2	0	0	0	201.4	444.4	0	0	10.50	100	23	28	167.18
857	575.6	0	134	772.2	0	0	0	201.4	455.7	0	0	5.10	100	23	28	155.87
858	325.3	0	75.7	1058.2	0	0	0	201.4	455.4	0	0	5.20	100	23	28	113.34
859	1251.2	0	291.3	0	0	0	0	201.4	407.8	0	0	28.20	100	23	56	156.53
861	575.6	0	134	772.2	0	0	0	201.4	455.7	0	0	5.10	100	23	56	171
862	325.3	0	75.7	1058.2	0	0	0	201.4	455.4	0	0	5.20	100	23	56	123.05
863	788.5	0	433.7	0	0	0	0	160.3	867.4	0	0	52.60	100	23	28	195.2
864	788.5	0	433.7	0	0	0	0	160.3	867.4	0	156	52.60	100	23	28	220.2
865	788.5	0	433.7	0	0	0	0	160.3	867.4	0	156	52.60	100	23	28	209.6
866	788.5	0	433.7	0	0	0	0	160.3	867.4	0	156	52.60	100	23	28	201.4
867	788.5	0	433.7	0	0	0	0	160.3	867.4	0	156	52.60	100	23	28	218.4
869	788.5	0	433.7	0	0	0	0	160.3	867.4	0	156	52.60	100	23	28	218.5
870	788.5	0	433.7	0	0	0	0	160.3	867.4	0	156	52.60	100	23	28	205.1
871	788.5	0	433.7	0	0	0	0	160.3	867.4	0	39	52.60	100	23	28	209.4
872	788.5	0	433.7	0	0	0	0	160.3	867.4	0	78	52.60	100	23	28	199.6
873	788.5	0	433.7	0	0	0	0	160.3	867.4	0	117	52.60	100	23	28	209.7
874	788.5	0	433.7	0	0	0	0	160.3	867.4	0	39	52.60	100	23	28	198.6

875	788.5	0	433.7	0	0	0	0	160.3	867.4	0	78	52.60	100	23	28	208.4
876	788.5	0	433.7	0	0	0	0	160.3	867.4	0	117	52.60	100	23	28	220.5
877	788.5	0	433.7	0	0	0	0	160.3	867.4	0	39	52.60	100	23	28	211.2
878	788.5	0	433.7	0	0	0	0	160.3	867.4	0	78	52.60	100	23	28	186.7
879	788.5	0	433.7	0	0	0	0	160.3	867.4	0	117	52.60	100	23	28	218.1
880	946	0	71	47	0	166	0	166	344	516	0	35.76	98	23	3	120.77
881	784	0	157	235	0	0	0	171	330	493	0	39.66	98	23	3	102.73
882	937	0	70	47	0	164	0	164	340	511	78	36.82	98	23	3	108.74
883	777	0	155	233	0	0	0	169	326	490	78	40.64	98	23	3	101.09
884	946	0	71	47	0	166	0	166	344	516	0	35.76	98	23	14	131.69
885	784	0	157	235	0	0	0	171	330	493	0	39.66	98	23	14	118.03
886	937	0	70	47	0	164	0	164	340	511	78	36.82	98	23	14	123.5
887	777	0	155	233	0	0	0	169	326	490	78	40.64	98	23	14	110.93
888	946	0	71	47	0	166	0	166	344	516	0	35.76	98	23	28	144.81
889	784	0	157	235	0	0	0	171	330	493	0	39.66	98	23	28	127.87
890	937	0	70	47	0	164	0	164	340	511	78	36.82	98	23	28	150.82
891	777	0	155	233	0	0	0	169	326	490	78	40.64	98	23	28	134.43
892	946	0	71	47	0	166	0	166	344	516	0	35.76	98	23	90	160.66
893	784	0	157	235	0	0	0	171	330	493	0	39.66	98	23	90	150.82
894	937	0	70	47	0	164	0	164	340	511	78	36.82	98	23	90	166.67
895	777	0	155	233	0	0	0	169	326	490	78	40.64	98	23	90	151.91
898	792	0	264	0	0	0	0	173	1056	0	156	21.10	100	20	3	102.86
899	784	0	261	0	0	0	0	171	1045	0	234	20.90	100	20	3	106
900	809	0	270	0	0	0	0	177	1079	0	0	21.60	100	20	7	92.77
901	800	0	267	0	0	0	0	175	1067	0	78	21.30	100	20	7	110.42
902	792	0	264	0	0	0	0	173	1056	0	156	21.10	100	20	7	123.66
903	784	0	261	0	0	0	0	171	1045	0	234	20.90	100	20	7	128.07
904	809	0	270	0	0	0	0	177	1079	0	0	21.60	100	20	28	106
905	800	0	267	0	0	0	0	175	1067	0	78	21.30	100	20	28	129.96
906	792	0	264	0	0	0	0	173	1056	0	156	21.10	100	20	28	150.13
907	784	0	261	0	0	0	0	171	1045	0	234	20.90	100	20	28	158.32
909	800	0	267	0	0	0	0	175	1067	0	78	21.30	100	20	90	148.87
910	792	0	264	0	0	0	0	173	1056	0	156	21.10	100	20	90	161.47
911	784	0	261	0	0	0	0	171	1045	0	234	20.90	100	20	90	166.51

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